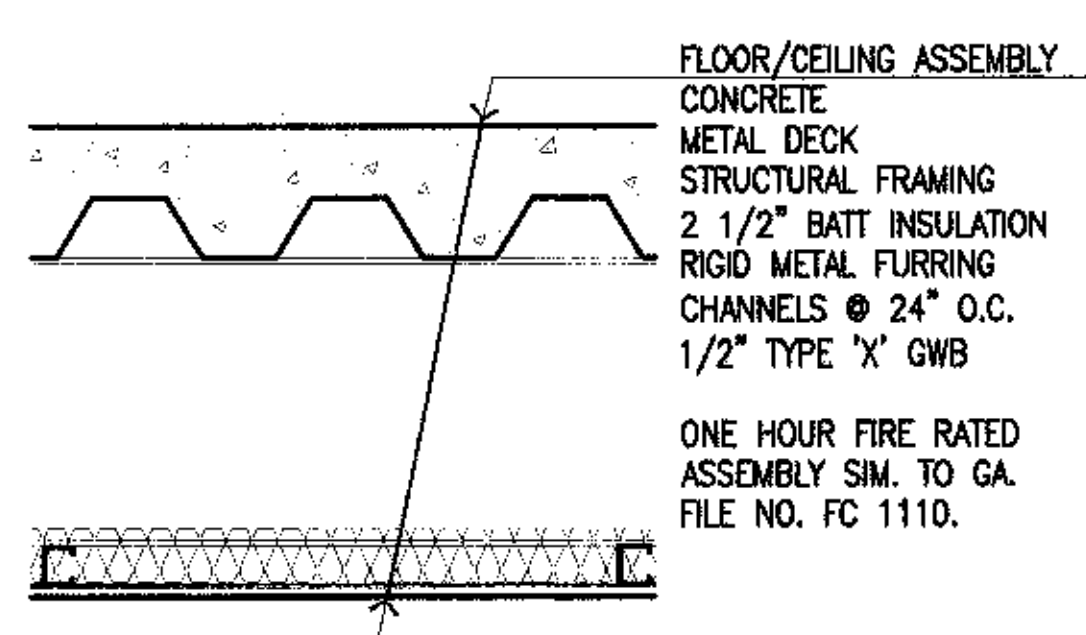




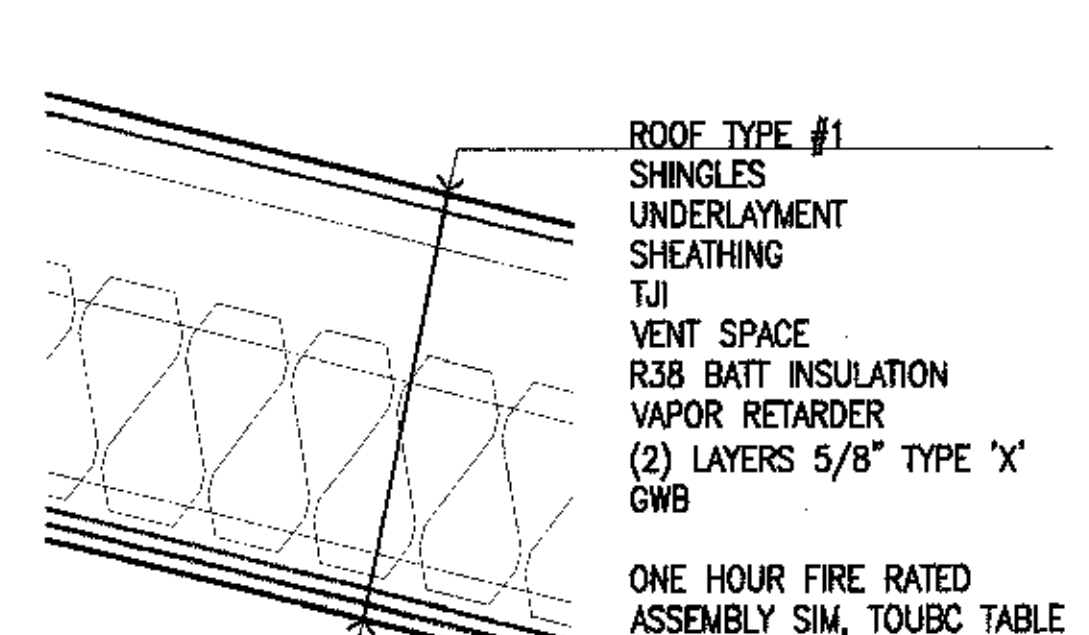
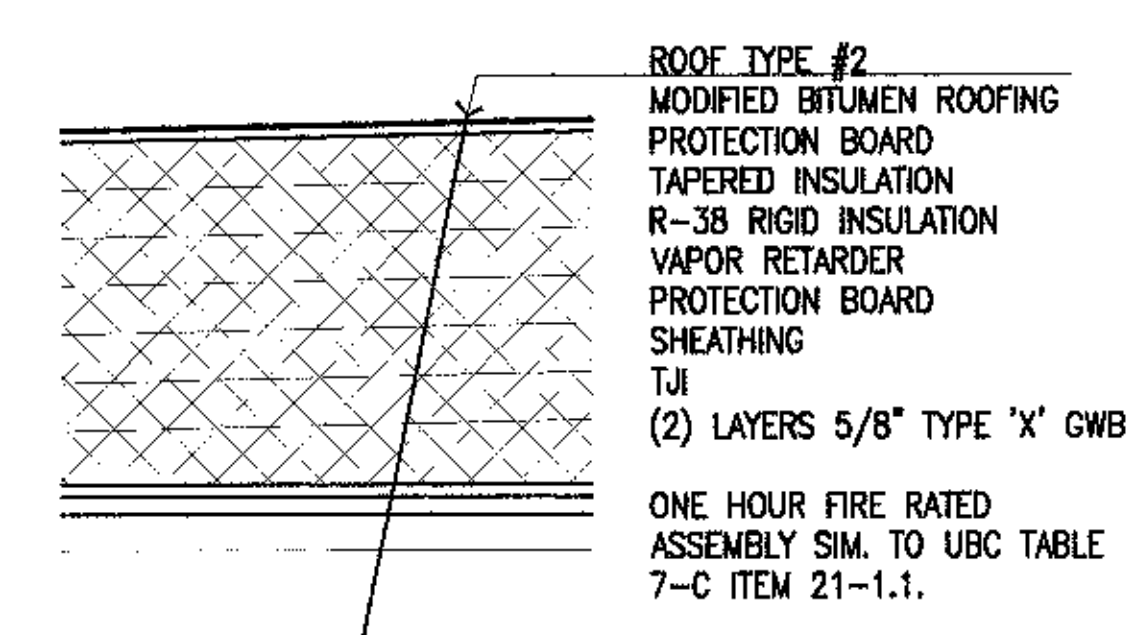
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 GENERAL NOTES, EXTERIOR WALL TYPES AND FIRE RATED ASSEMBLIES

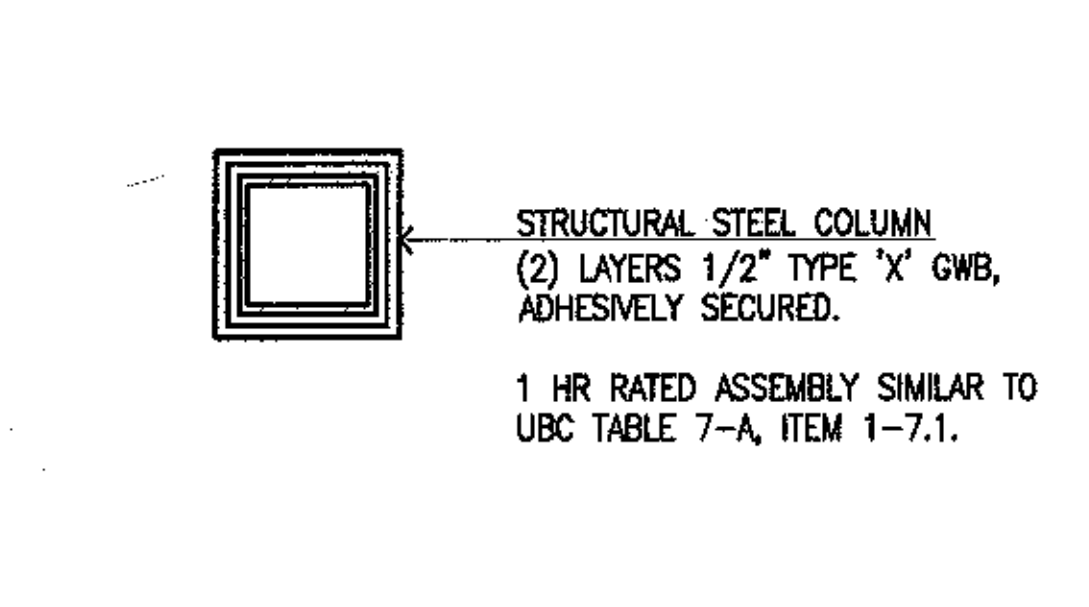
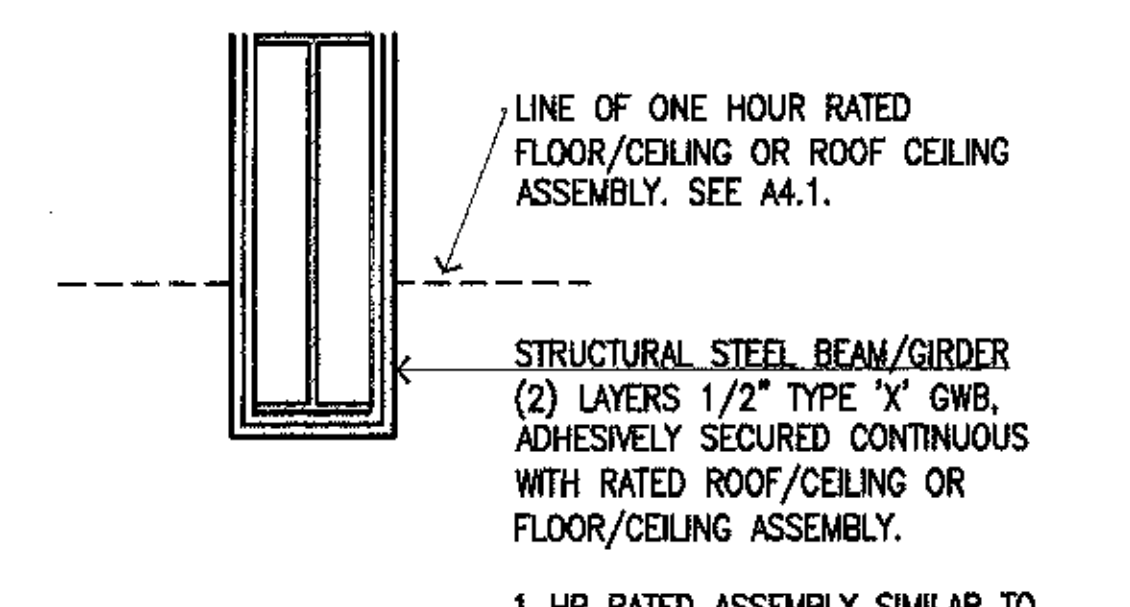
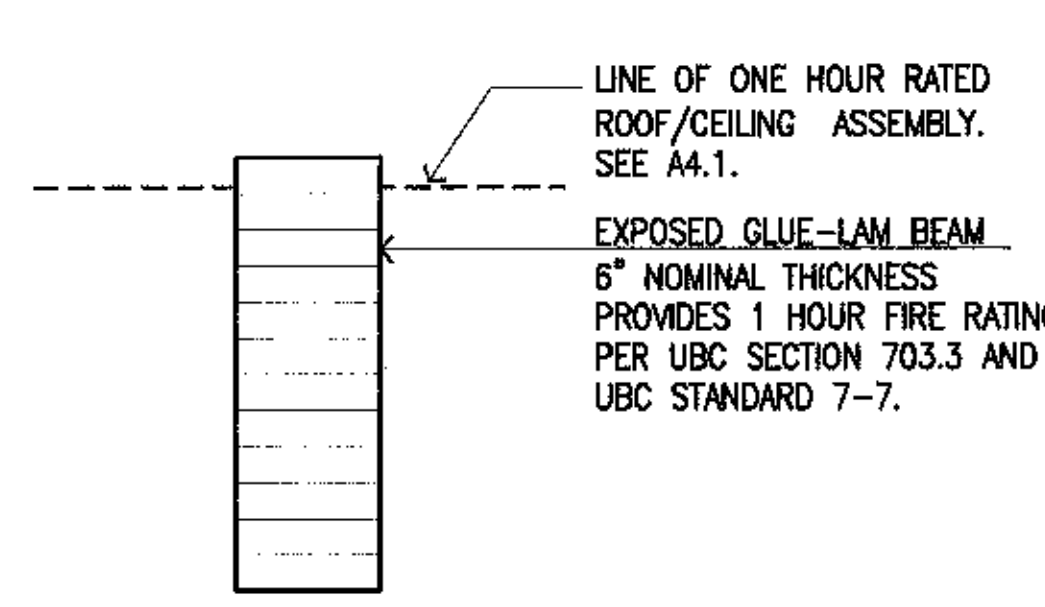
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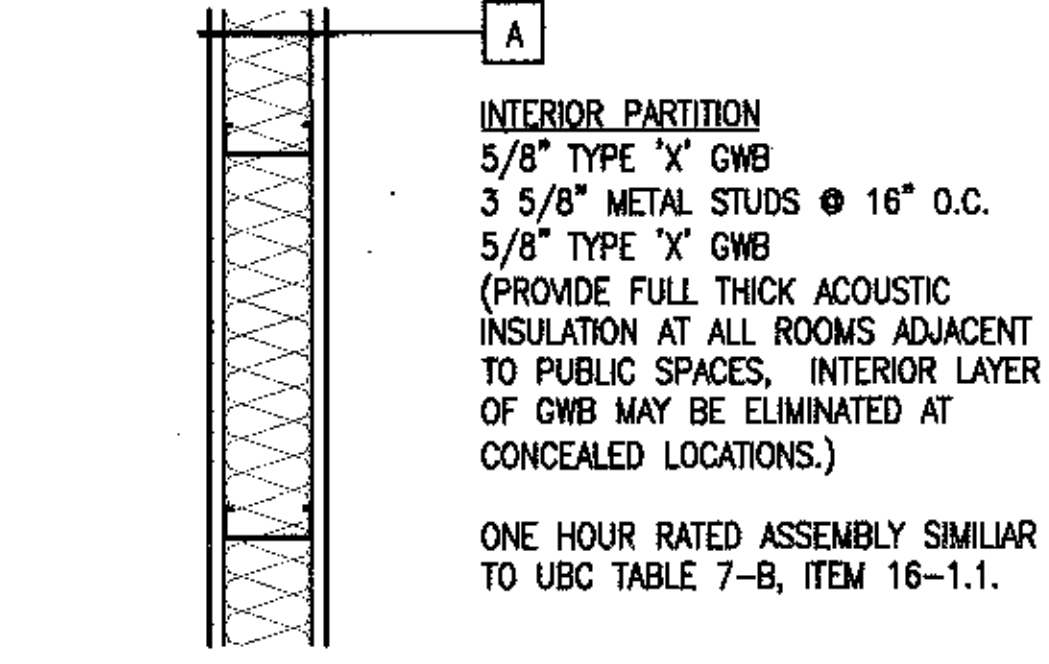
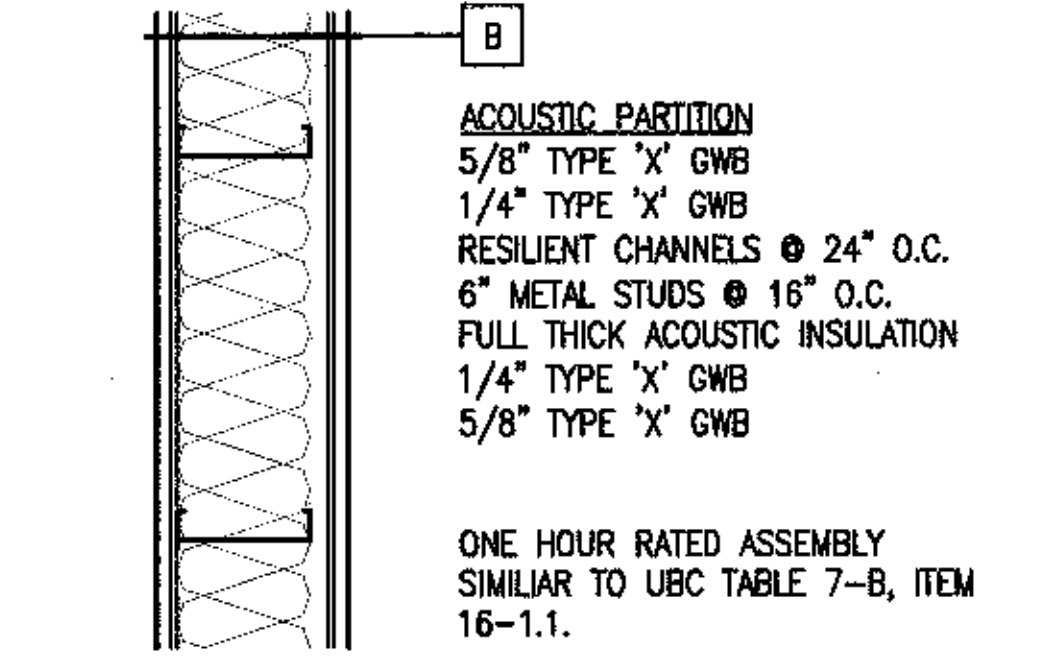
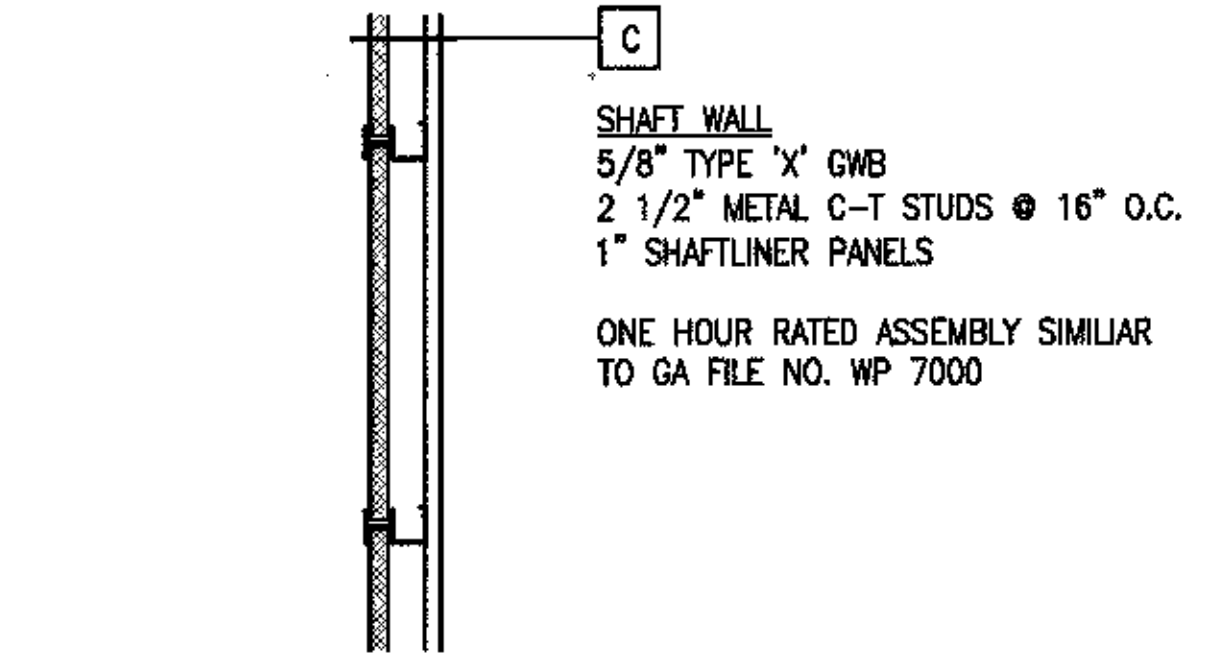
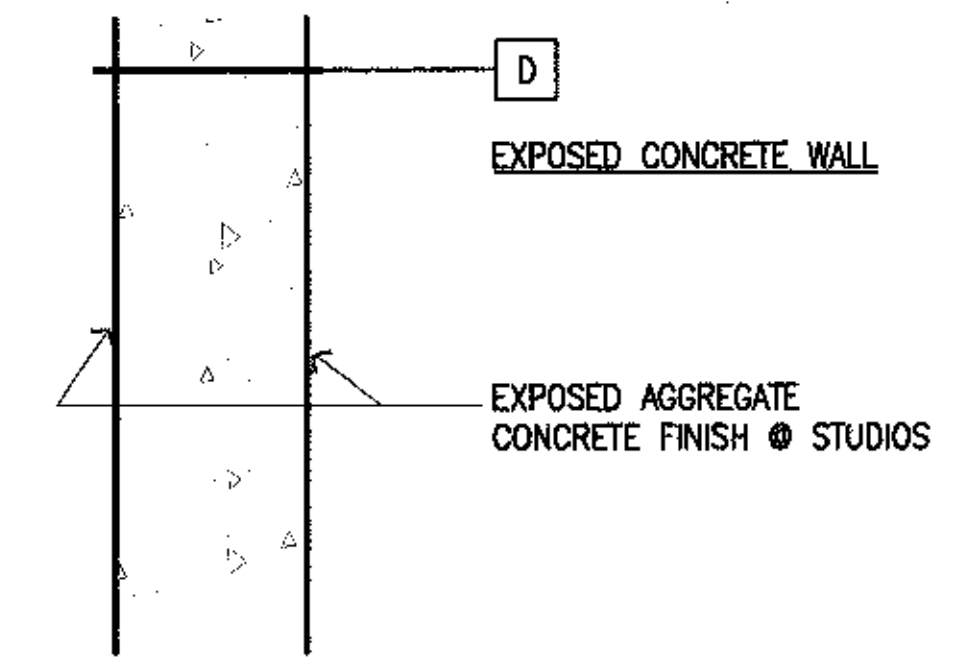
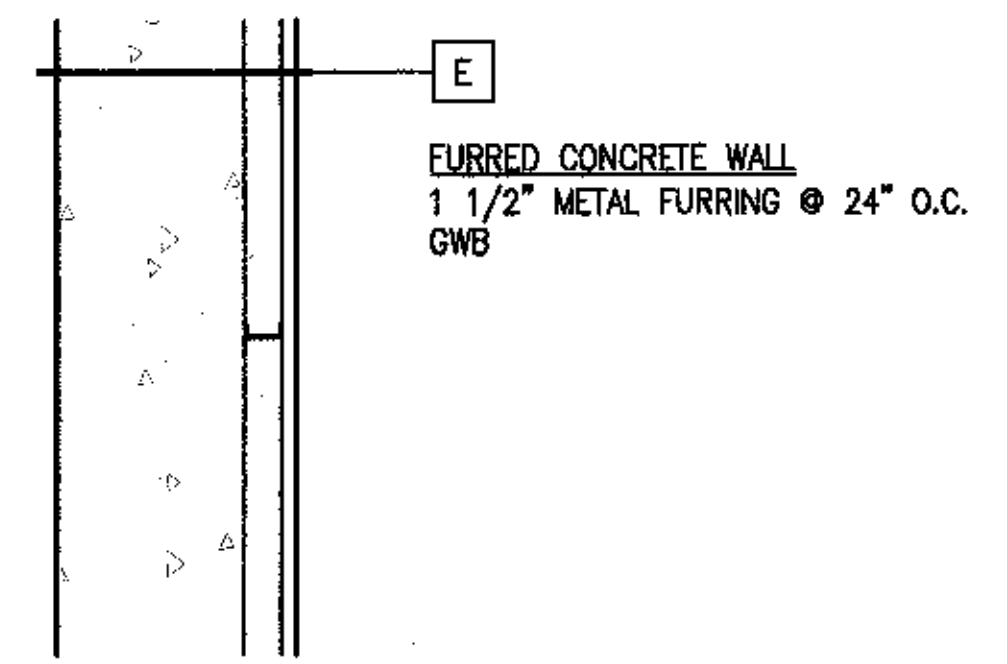
5 Fire Rated Floor/Ceiling Assemblies
 SCALE: 1-1/2" = 1'-0"



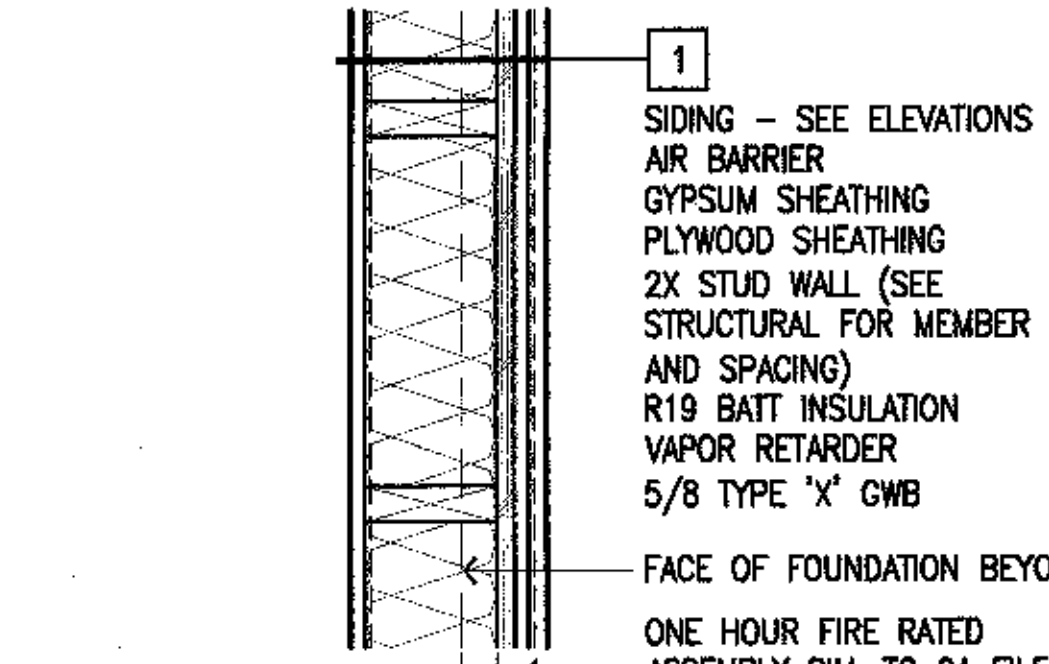
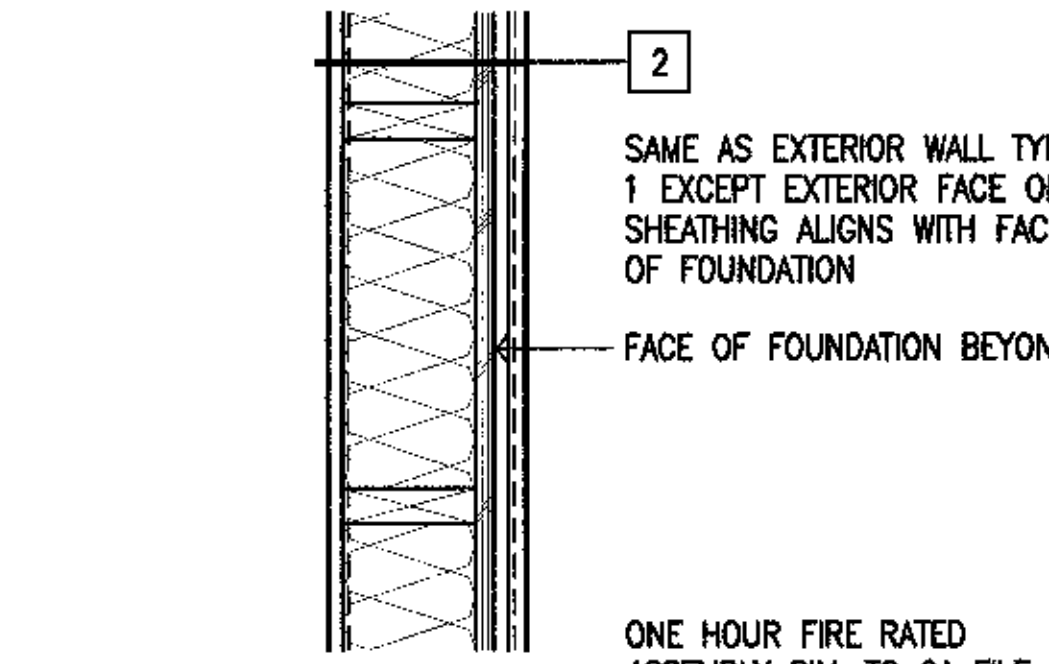
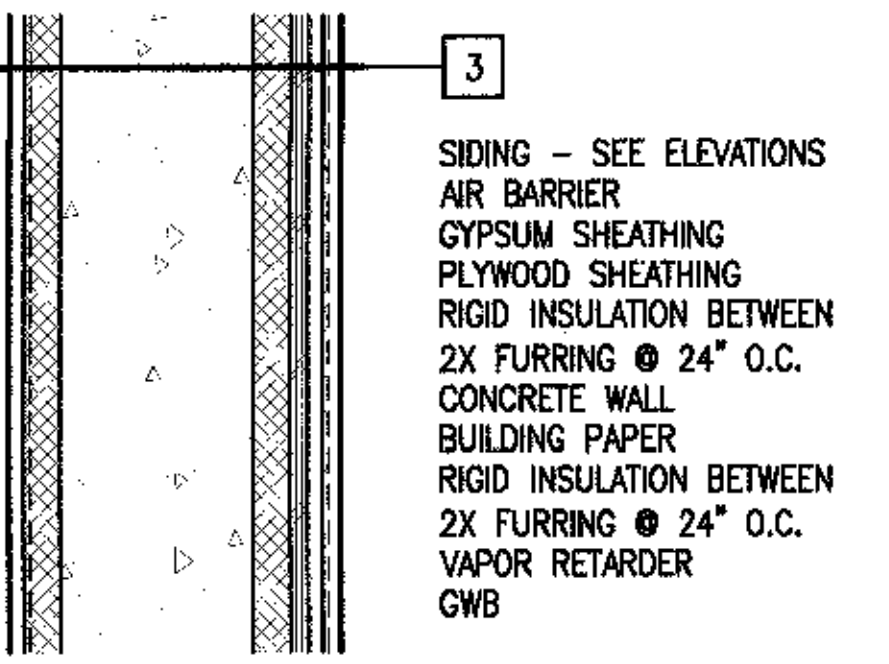
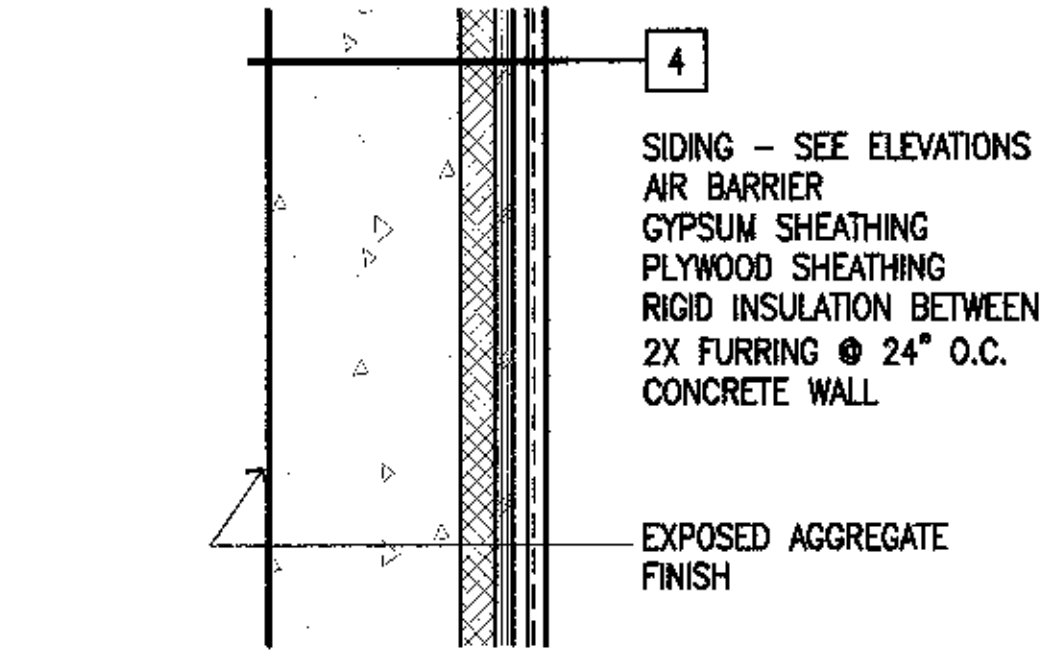
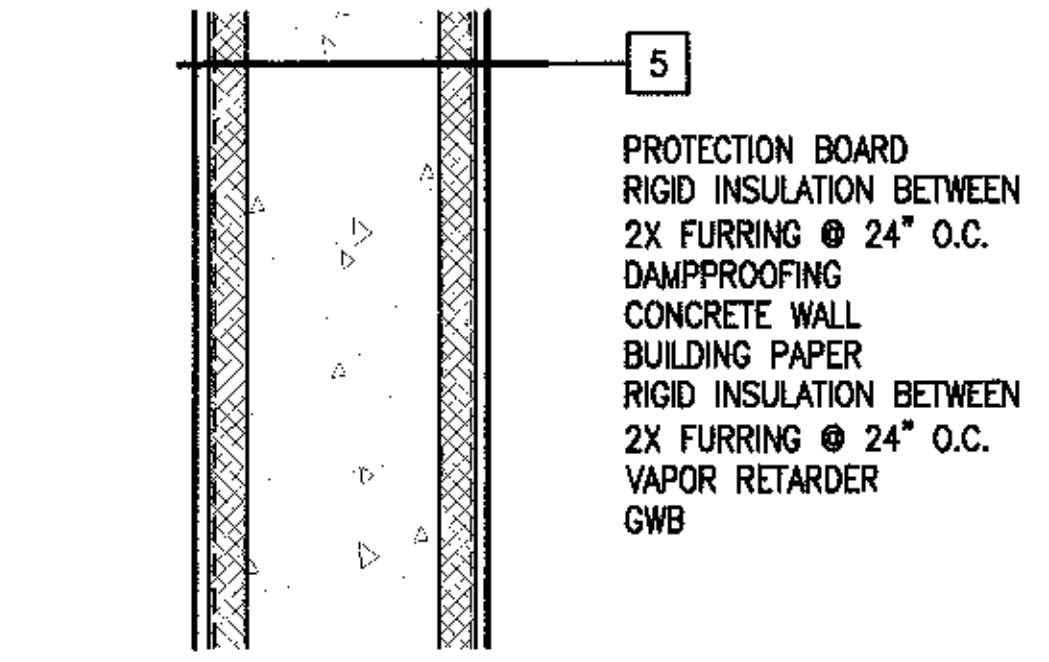
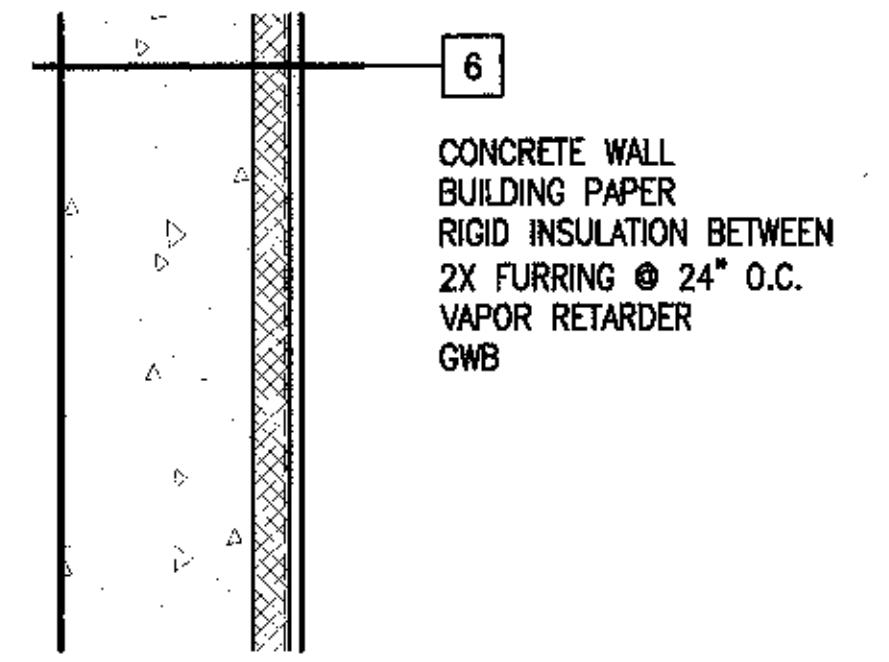
4 Fire Rated Roof/Ceiling Assemblies
 SCALE: 1-1/2" = 1'-0"



3 Fire Rated Structural Assemblies
 SCALE: 1-1/2" = 1'-0"



2 Interior Partition Types
 SCALE: 1-1/2" = 1'-0"



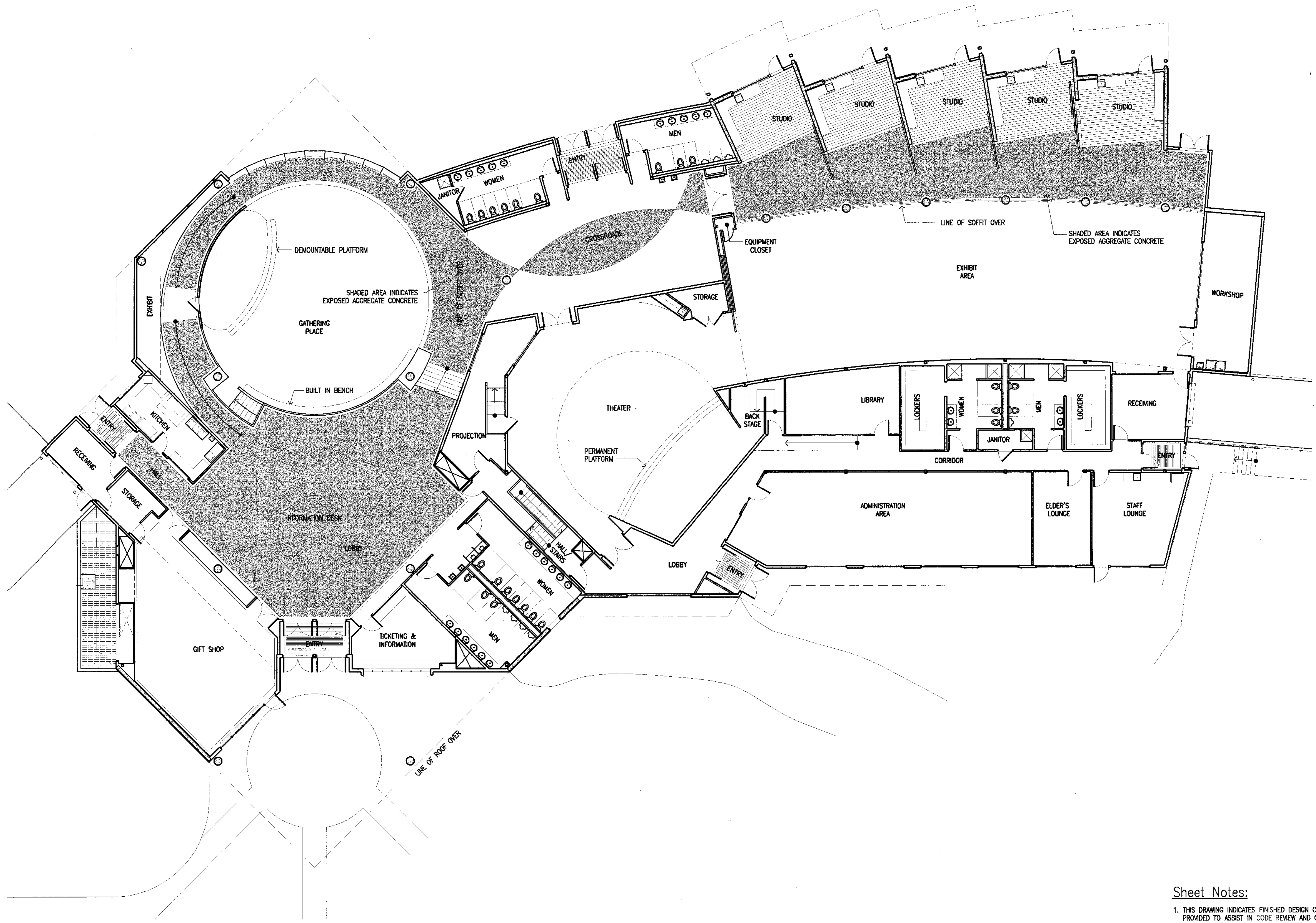
1 Exterior Wall Types
 SCALE: 1-1/2" = 1'-0"

- Symbol Legend:**
- DETAIL SYMBOL: XX - DETAIL NUMBER, X.XX - SHEET WHERE DETAIL IS DRAWN
 - SECTION CUT: XX - SECTION NUMBER, X.XX - SHEET WHERE SECTION IS DRAWN
 - ELEVATION SYMBOL: XX - ELEVATION NUMBER, X.XX - SHEET WHERE ELEVATION IS DRAWN
 - INTERIOR ELEVATION SYMBOL: XX - ELEVATION NUMBER, X.XX - SHEET WHERE ELEVATION IS DRAWN, X - VIEW
 - PARTITION TYPE: X - SEE SHEET A0.1 FOR SCHEDULE OF WALL AND PARTITION TYPES, Y - WALL TYPE ABOVE, X - WALL TYPE BELOW
 - ROOM NAME & NUMBER: ROOM NAME - ROOM NAME, XXXX - ROOM NUMBER
 - DOOR NUMBER: XXXX
 - GRID BUG: XX - COLUMN GRID DESIGNATION
 - WINDOW BUG: XX - WINDOW TYPE
 - ROOF PITCH: 12
 - MATCH LINE: [Symbol]
 - REVISION BUG: XXX - REVISION NUMBER

- Architectural General Notes:**
- DIMENSIONAL HIERARCHY:
 - AS SPECIFICALLY NOTED
 - TO NEAREST ORDLINE
 - TO FACE OF CONCRETE
 - TO FACE OF STUD
 - CLEAR TO FACE OF FINISH
 - ALL HARDWARE TO COMPLY WITH THE ADA ACCESSIBILITY GUIDELINES CHAPTER 4.13 AND UFAS CHAPTER 23.70 FOR ACCESSIBILITY.
 - EXIT HARDWARE TO OPEN FROM THE INSIDE WITH ONE MOTION, NO SPECIAL KNOWLEDGE OR EFFORT, NO THUMB TURNS OR SEPERATE DEADBOLTS.
 - THE FLOOR OR LANDING AT DOORS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE THRESHOLD OF THE DOORWAY (PER ADA REQUIREMENTS).
 - PROVIDE FIRE BLOCKING AND DRAFT STOPS IN ACCORDANCE WITH SECTION 708 OF THE UNIFORM BUILDING CODE.
 - REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN DRAWINGS.
 - PROVIDE METAL 'J' TRIM AND SEALANT AT JUNCTION OF GWB AND DISSIMILAR MATERIALS, TYPICAL.
 - THE INSIDE FACE OF ALL INTERIOR PARTITIONS AT TOILET ROOMS, RECEIVING ROOMS, AND PROJECTION ROOM TO BE BACKED BY 1/2" PLYWOOD FOR EQUIPMENT AND FIXTURE SUPPORT AND DURABILITY.
 - PROVIDE MOISTURE RESISTANT (MR) GWB AT ALL TOILET ROOMS, JANITOR CLOSETS, AND THE KITCHEN. REFER TO DRAWING A0.2 FOR EXTENT OF MR GWB THIS PHASE.



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1 Floor Plan
 SCALE: 1/8"=1'-0"

ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 DIAGRAMMATIC FLOOR PLAN

Revisions

CONFORMED DRAWINGS

Date 04/17/98
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 Checked RRR
 Job No. 95023

Sheet No.

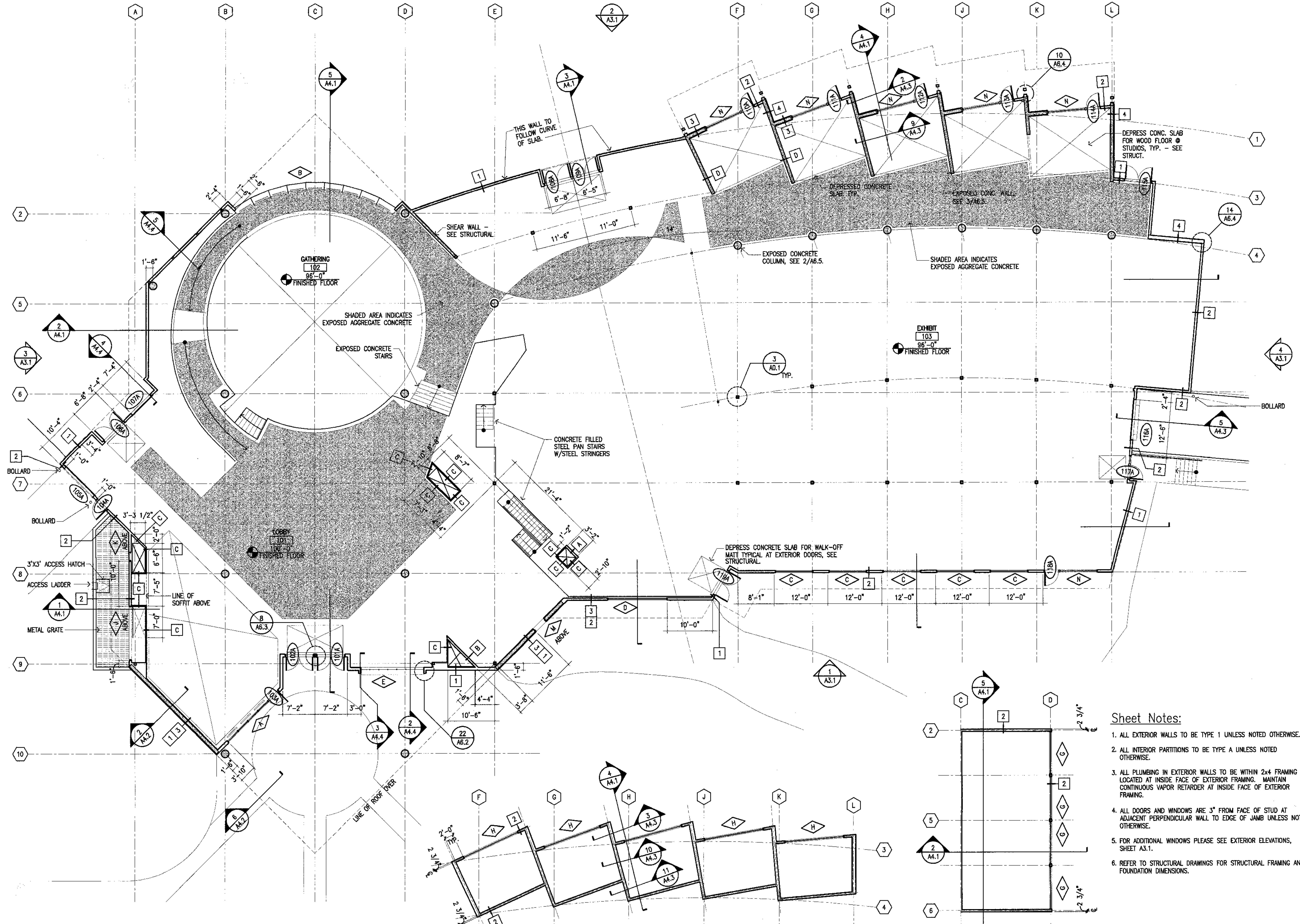
A1.1

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Sheet Notes:
 1. THIS DRAWING INDICATES FINISHED DESIGN CONCEPT AND IS PROVIDED TO ASSIST IN CODE REVIEW AND CONTRACTOR COORDINATION. MUCH OF THE INFORMATION CONTAINED WITHIN THIS DRAWING IS DIAGRAMMATIC IN NATURE AND CONSISTS OF WORK THAT WILL BE CONTAINED IN THE NEXT PHASE OF THE PROJECT.



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3 Floor Plan
 SCALE: 1/8"=1'-0"

2 Clerestory @ Studios
 SCALE: 1/8"=1'-0"

1 Clerestory @ Gathering Place
 SCALE: 1/8"=1'-0"

Sheet Notes:

1. ALL EXTERIOR WALLS TO BE TYPE 1 UNLESS NOTED OTHERWISE.
2. ALL INTERIOR PARTITIONS TO BE TYPE A UNLESS NOTED OTHERWISE.
3. ALL PLUMBING IN EXTERIOR WALLS TO BE WITHIN 2x4 FRAMING LOCATED AT INSIDE FACE OF EXTERIOR FRAMING. MAINTAIN CONTINUOUS VAPOR RETARDER AT INSIDE FACE OF EXTERIOR FRAMING.
4. ALL DOORS AND WINDOWS ARE 3" FROM FACE OF STUD AT ADJACENT PERPENDICULAR WALL TO EDGE OF JAMB UNLESS NOTED OTHERWISE.
5. FOR ADDITIONAL WINDOWS PLEASE SEE EXTERIOR ELEVATIONS, SHEET A3.1.
6. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL FRAMING AND FOUNDATION DIMENSIONS.

ALASKA NATIVE HERITAGE CENTER
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 ANCHORAGE, ALASKA
 FLOOR PLAN

Revisions

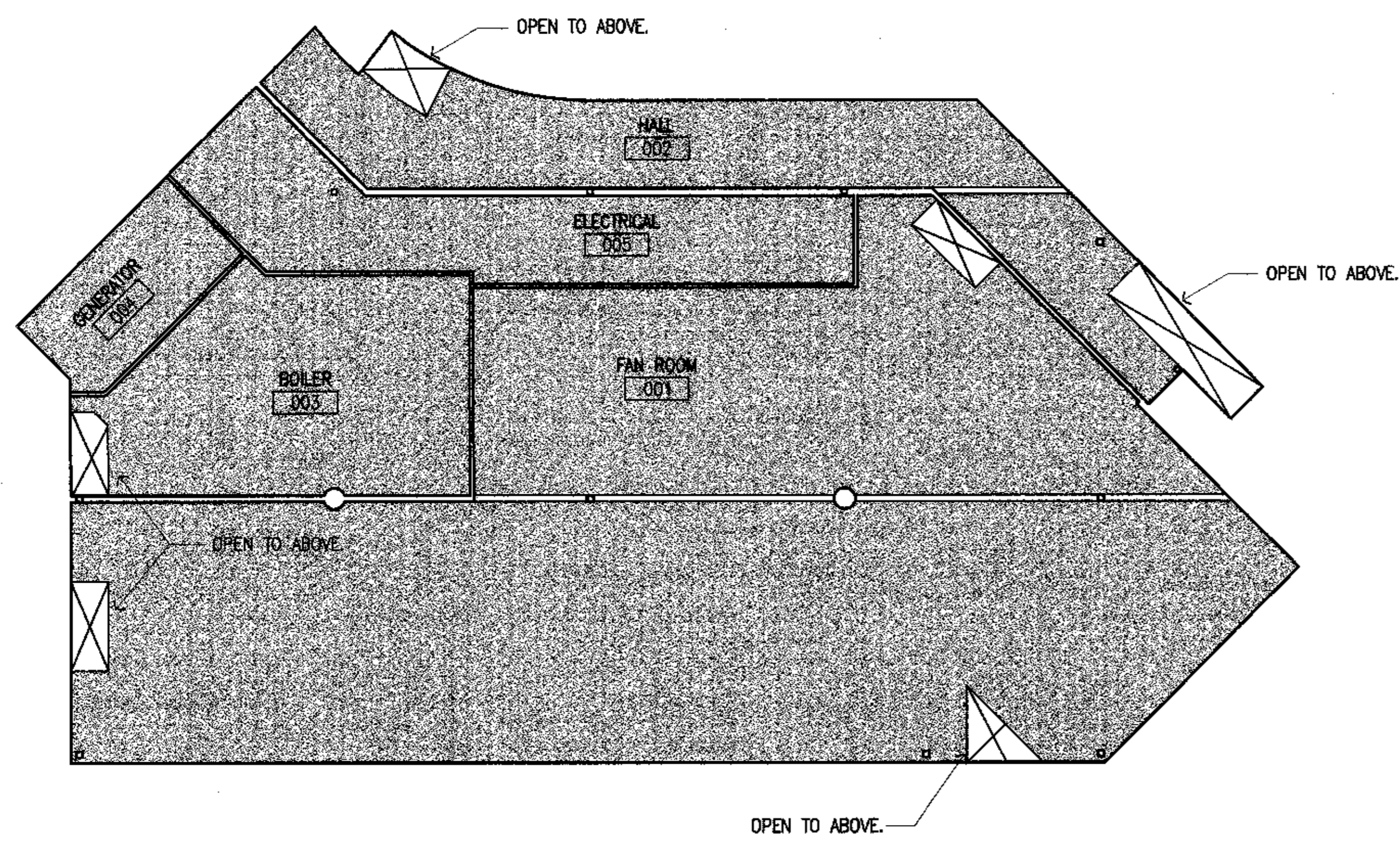
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Sheet No.

A1.2

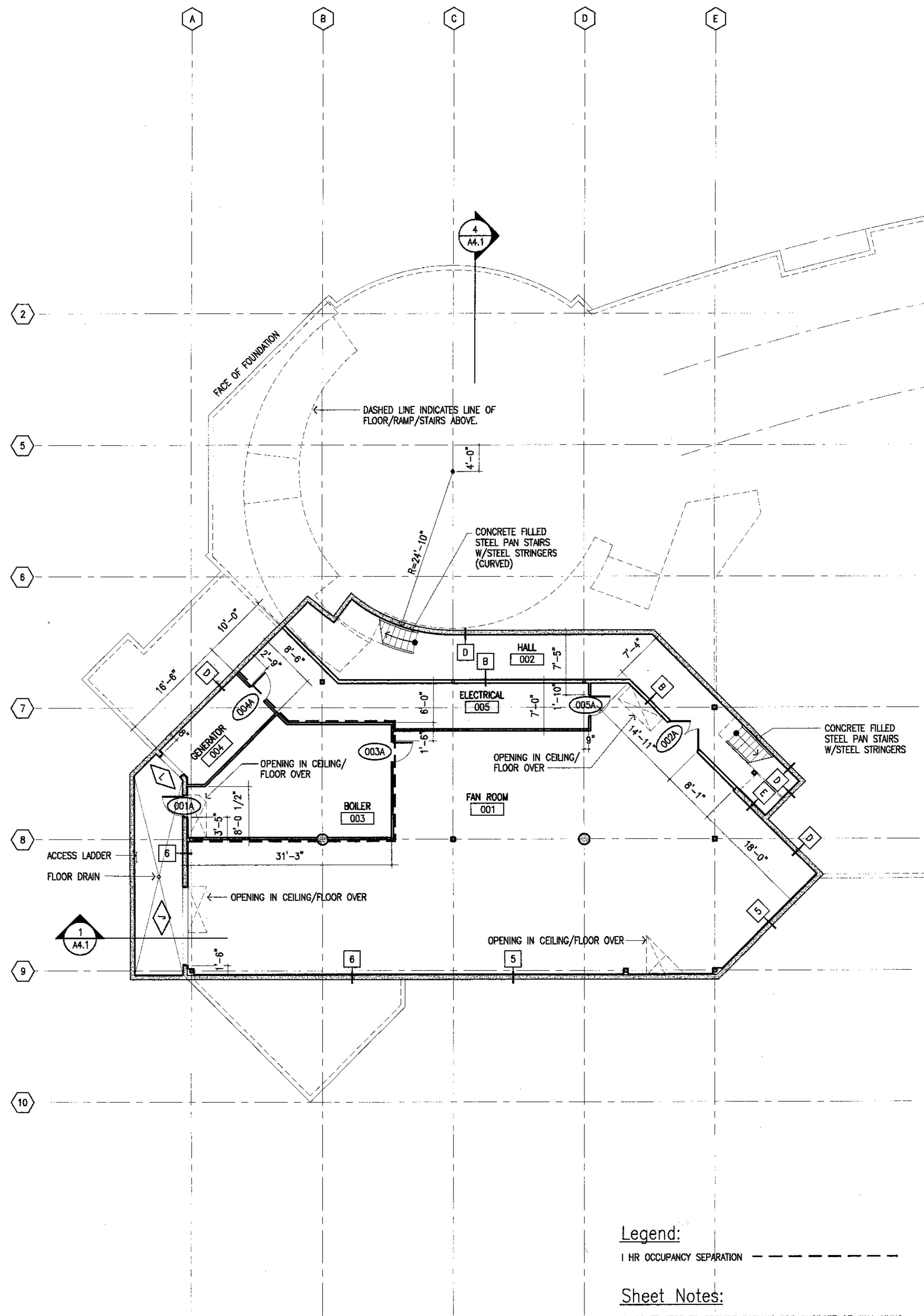
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Legend:

- GWB TO UNDERSIDE OF SLOPED STRUCTURE.
- GWB TO UNDERSIDE OF LEVEL STRUCTURE.
- 4" T&G SOFFIT.
- KERF-CUT ROUGH SAWN PLYWOOD.

2 Reflected Ceiling Plan
SCALE: 1/8"=1'-0"

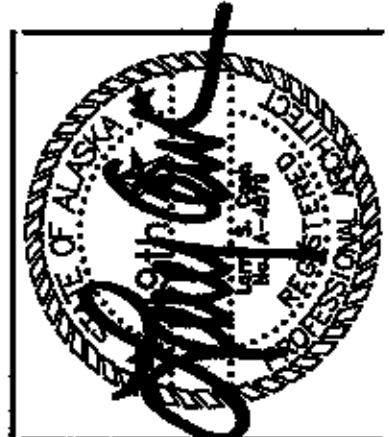


Legend:

- 1 HR OCCUPANCY SEPARATION - - - - -

Sheet Notes:
1. CONTRACTOR TO PROVIDE BACKING FOR SUPPORT OF WALL HUNG EQUIPMENT TO ALL MECHANICAL ROOM PARTITIONS.

1 Floor Plan
SCALE: 1/8"=1'-0"



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MECHANICAL ROOM FLOOR & REFLECTED CEILING PLANS

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 REFLECTED CEILING PLAN

Revisions

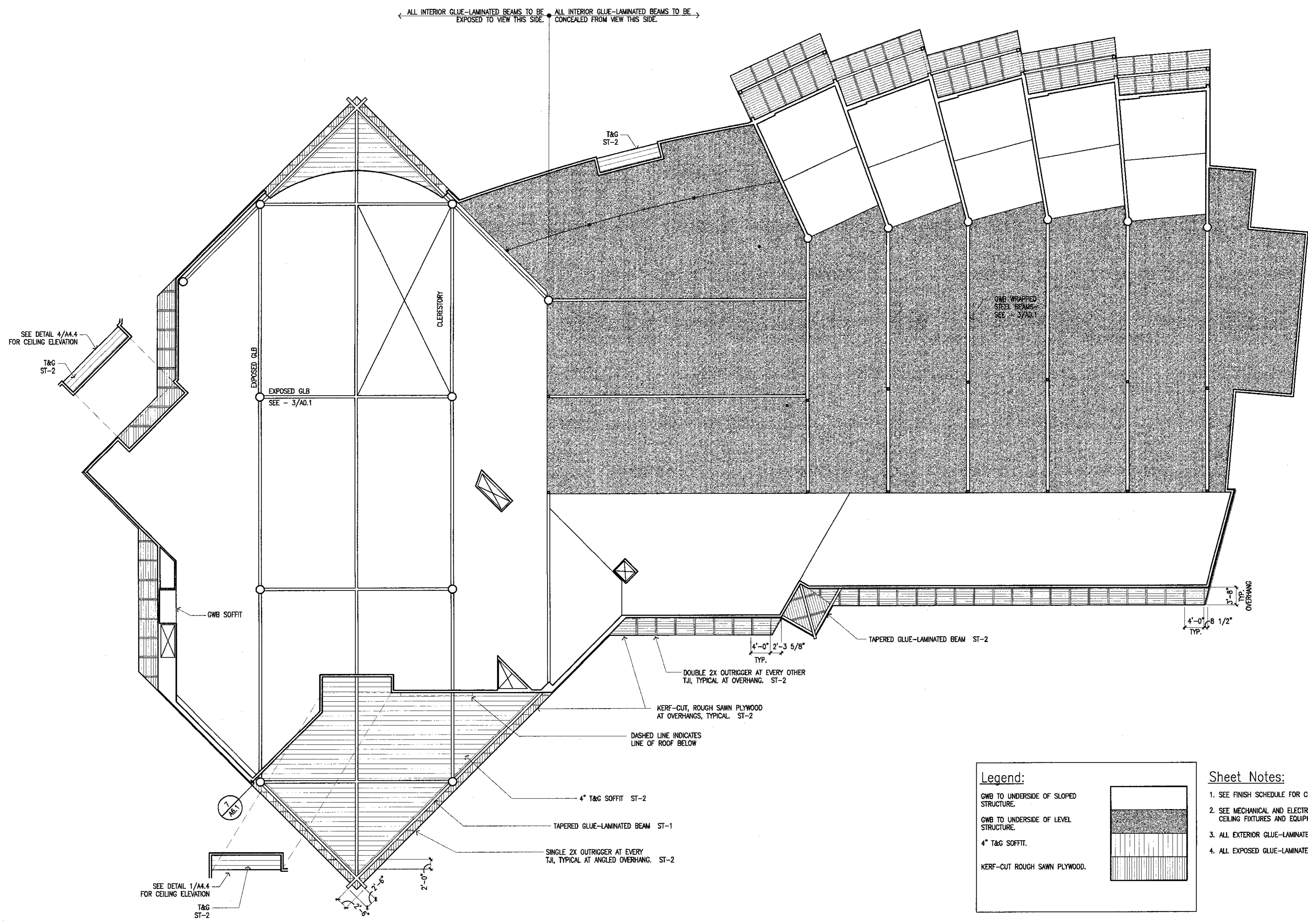
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1 Reflected Ceiling Plan
 SCALE: 1/8"=1'-0"

V:\B0731\Phase2\Draws\A1.4\A1.4.dwg Thu Apr 16 15:10:13 1998



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ALASKA NATIVE HERITAGE CENTER
 ANHC
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ROOF PLAN

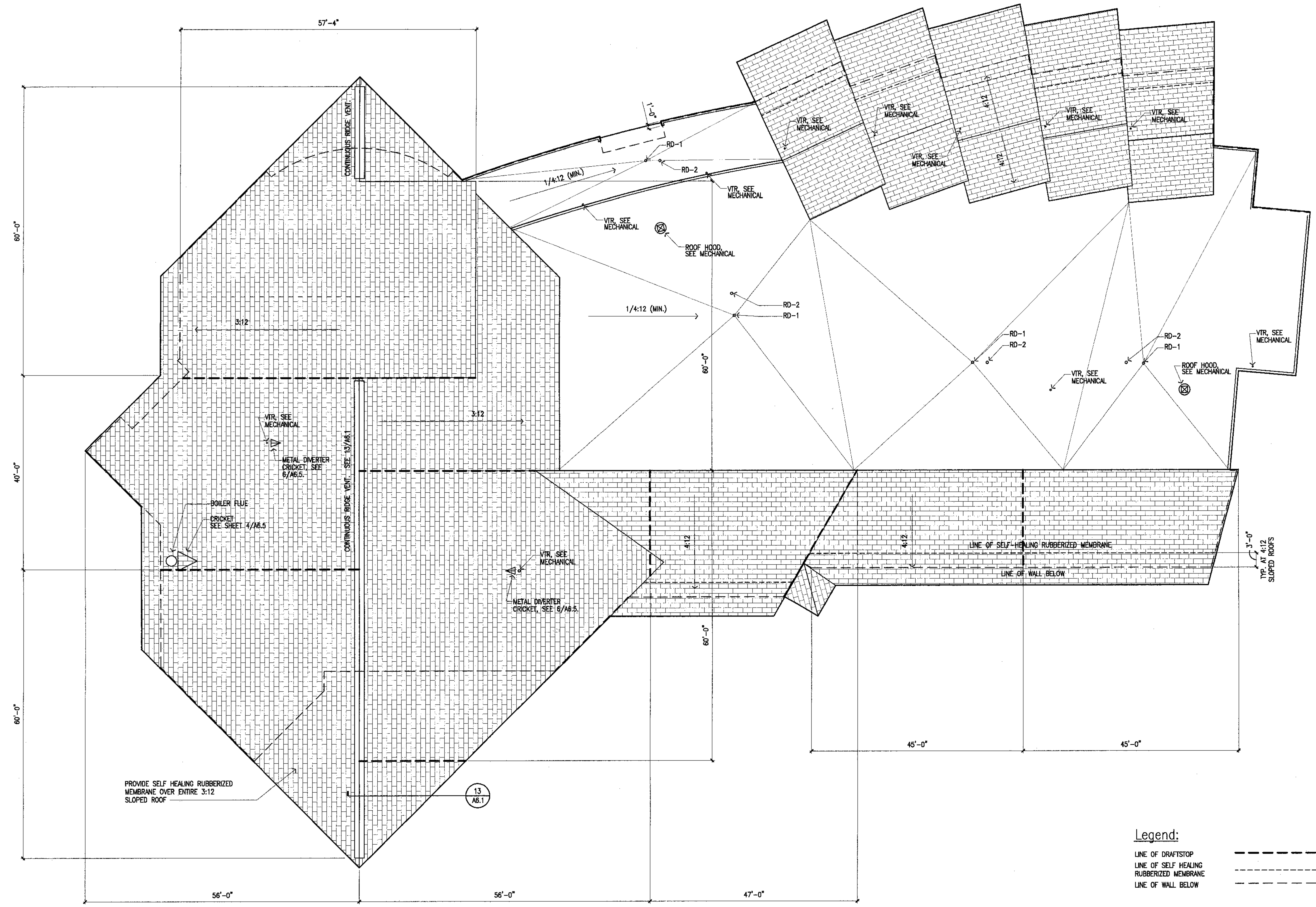
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 Job No. 95023

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Legend:
 LINE OF DRAFTSTOP ———
 LINE OF SELF HEALING RUBBERIZED MEMBRANE - - - - -
 LINE OF WALL BELOW - - - - -

Sheet Notes:
 1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS AND EQUIPMENT.
 2. DIMENSIONS OF DRAFT STOPS ARE APPROXIMATE. LOCATE DRAFTSTOP AT TJI NEAREST DIMENSION INDICATED.

1 Roof Plan
 SCALE: 1/8"=1'-0"

DRAWING PREPARED BY: FWP, MLT, PMD, RRR



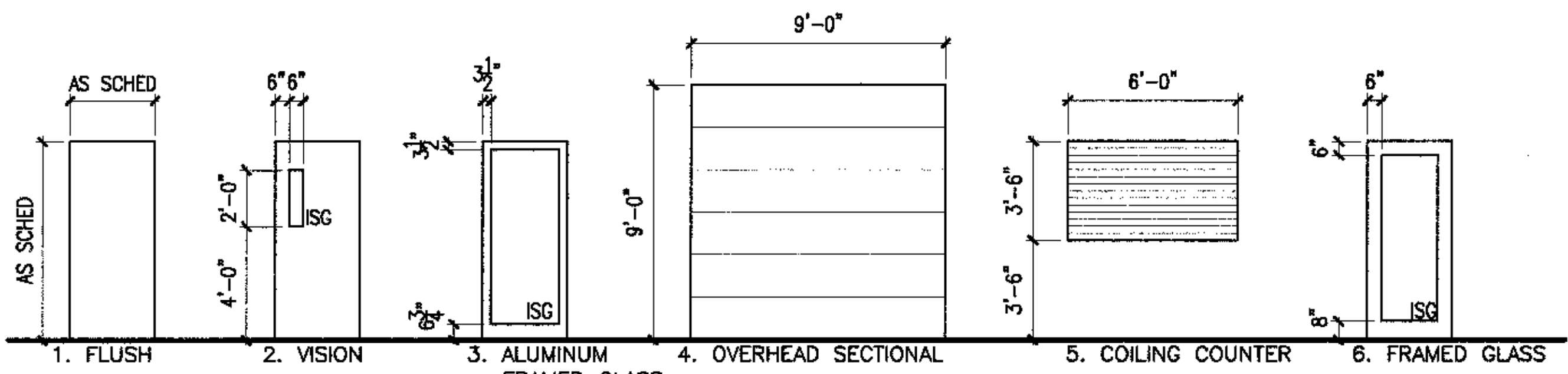
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 OPENING SCHEDULES

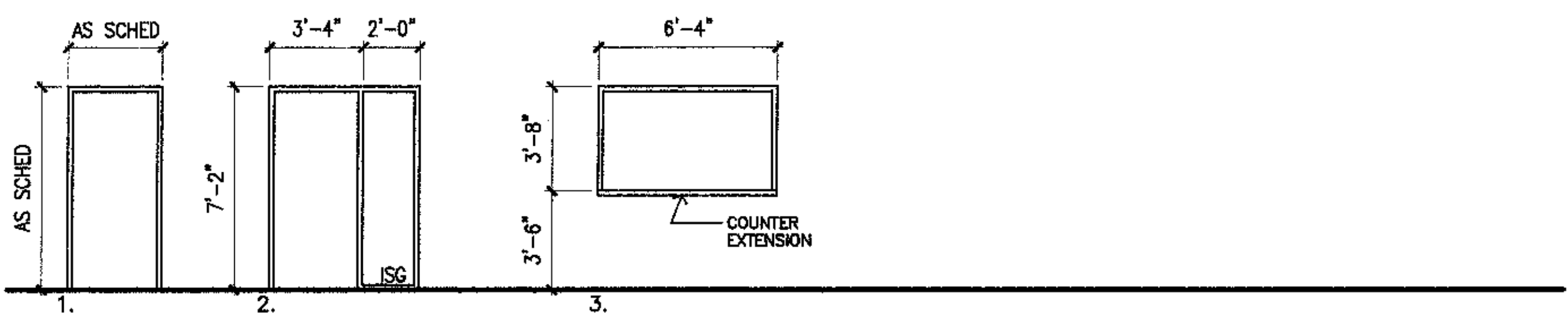
| OPNG. NO. | SIZE W x H x T | DOOR | | FRAME | | GLAZ'G | LABEL | HOWR. | HEAD | JAMB | SILL | REMARKS | | |
|-----------|-----------------------|------|-------|-------|-------|--------|-------|-------|------|--------|---------|----------|---------|--|
| | | TYPE | MAT'L | TYPE | MAT'L | | | | | | | | | |
| 001A | 3'-0"x7'-0"x1 3/4" | 1 | IHM | P | 1 | IHM | P | --- | HW1 | 2/A6.3 | 2/A6.3 | 1/A6.3 | | |
| 002A | PR 3'-0"x7'-0"x1 3/4" | 1 | IHM | P | 1 | IHM | P | --- | HW2 | 5/A6.3 | 5/A6.3 | - | | |
| 003A | 3'-0"x7'-0"x1 3/4" | 1 | IHM | P | 1 | IHM | P | --- | HW3 | 5/A6.3 | 5/A6.3 | - | | |
| 004A | 3'-0"x7'-0"x1 3/4" | 1 | IHM | P | 1 | IHM | P | --- | HW3 | 5/A6.3 | 5/A6.3 | - | | |
| 005A | 3'-0"x7'-0"x1 3/4" | 1 | IHM | P | 1 | IHM | P | --- | HW3 | 5/A6.3 | 5/A6.3 | - | | |
| 101A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | INS | --- | HW4 | 9/A6.3 | 7,8/A6.3 | 6/A6.3 | |
| 102A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | INS | --- | HW5 | 9/A6.3 | 7,8/A6.3 | 6/A6.3 | |
| 103A | 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | --- | --- | --- | INS | --- | HW6 | - | 4/A6.3 | 3/A6.3 | |
| 104A | 3'-0"x7'-0"x1-3/4" | 2 | IHM | P | 1 | IHM | P | INS | BO | HW7 | 13/A6.3 | 12/A6.3 | 11/A6.3 | |
| 105A | 9'-0"x9'-0" | 4 | --- | P | --- | --- | --- | --- | --- | HW8 | 18/A6.3 | 17/A6.3 | 18/A6.3 | |
| 106A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | --- | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 | |
| 107A | 6'-0"x3'-8" | 5 | AL | FF | 3 | AL | FF | --- | --- | HW9 | 23/A6.3 | 22/A6.3 | 21/A6.3 | |
| 108A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | INS | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 | |
| 109A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | INS | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 | |
| 110A | 3'-0"x7'-0"x1-3/4" | 6 | WD | ST | 1 | WD | ST | INS | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 111A | 3'-0"x7'-0"x1-3/4" | 8 | WD | ST | 1 | WD | ST | INS | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 112A | 3'-0"x7'-0"x1-3/4" | 6 | WD | ST | 1 | WD | ST | INS | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 113A | 3'-0"x7'-0"x1-3/4" | 6 | WD | ST | 1 | WD | ST | INS | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 114A | 3'-0"x7'-0"x1-3/4" | 6 | WD | ST | 1 | WD | ST | INS | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 115A | PR 3'-0"x7'-0"x1-3/4" | 1 | IHM | P | 1 | IHM | P | --- | --- | HW11 | 13/A6.3 | 12/A6.3 | 11/A6.3 | |
| 116A | 9'-0"x9'-0" | 4 | --- | P | --- | --- | --- | --- | --- | HW8 | 18/A6.3 | 17/A6.3 | 19/A6.3 | |
| 117A | 3'-0"x7'-0"x1-3/4" | 6 | IHM | P | 2 | IHM | P | INS | --- | HW12 | 13/A6.3 | 12/A6.3 | 11/A6.3 | |
| 118A | 3'-0"x7'-0"x1-3/4" | 3 | WD | ST | 1 | WD | ST | INS | --- | HW12 | 28/A6.3 | 27/A6.3 | 26/A6.3 | |
| 119A | PR 3'-0"x7'-0"x1-3/4" | 3 | IHM | P | 1 | IHM | P | INS | --- | HW13 | 9/A6.3 | 7/A6.3 | 6/A6.3 | |

Abbreviations:
 AL ALUMINUM
 FF FACTORY FINISH
 G GLASS
 HM HOLLOW METAL
 IHM INSULATED HOLLOW METAL
 ISG INSULATED SAFETY GLASS
 P PAINT
 PR PAIR
 SG SAFETY GLASS
 ST STAIN

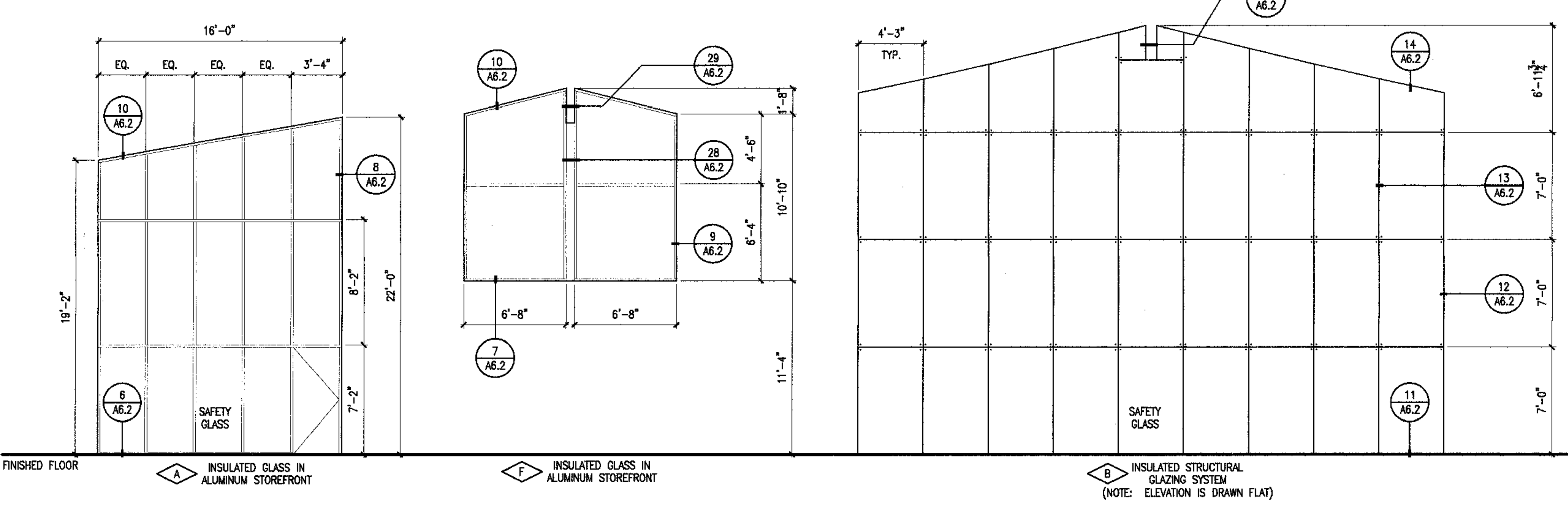
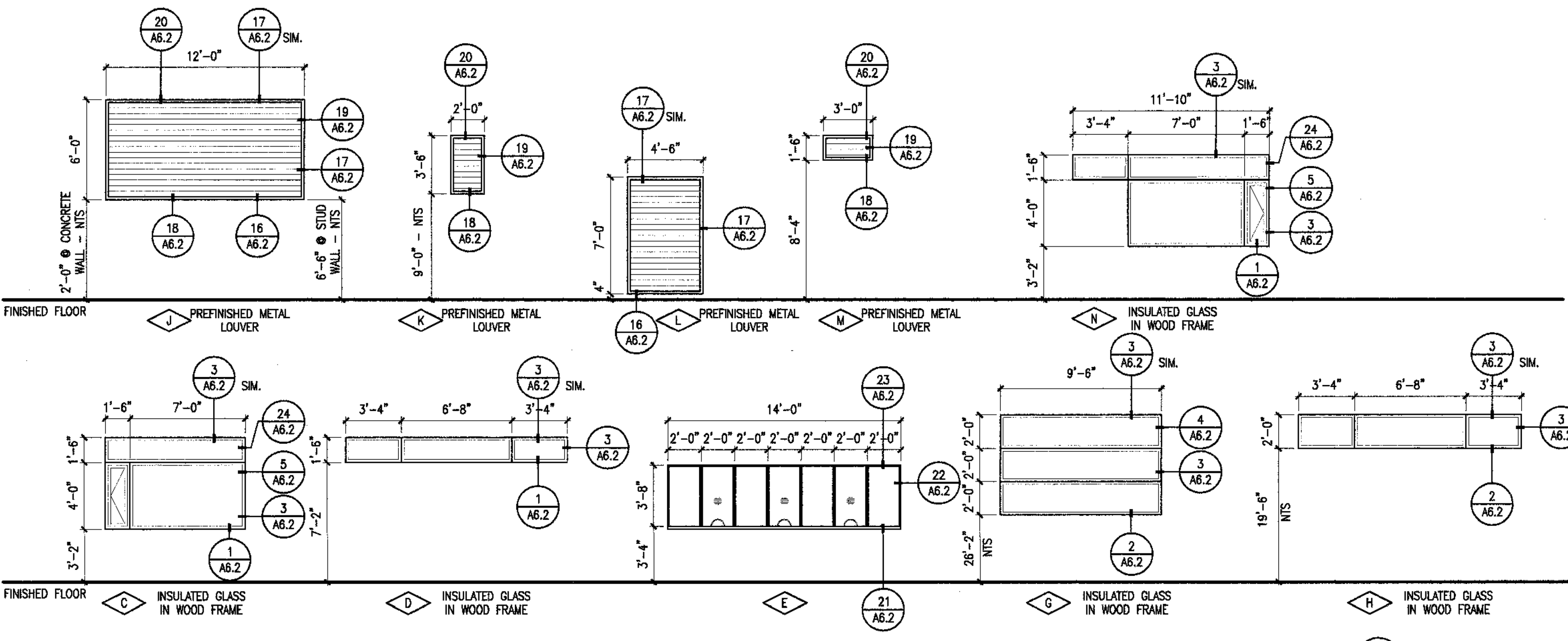
Sheet Notes:
 1. ALL DOORS, WINDOWS, AND LOUVERS ARE ORIENTED AS SEEN FROM THE EXTERIOR. PLEASE SEE EXTERIOR ELEVATIONS, SHEET A3.1, FOR ADDITIONAL WINDOW ORIENTATION INFORMATION.
 2. ALL GLAZING WITHIN 18" OF THE FLOOR AND WITHIN A 24" ARC OF DOORS (INCLUDING GLAZING WITHIN DOORS THEMSELVES) TO BE SAFETY GLAZING. PLEASE SEE THIS SHEET AND EXTERIOR ELEVATIONS, SHEET A3.1, FOR EXACT LOCATIONS.



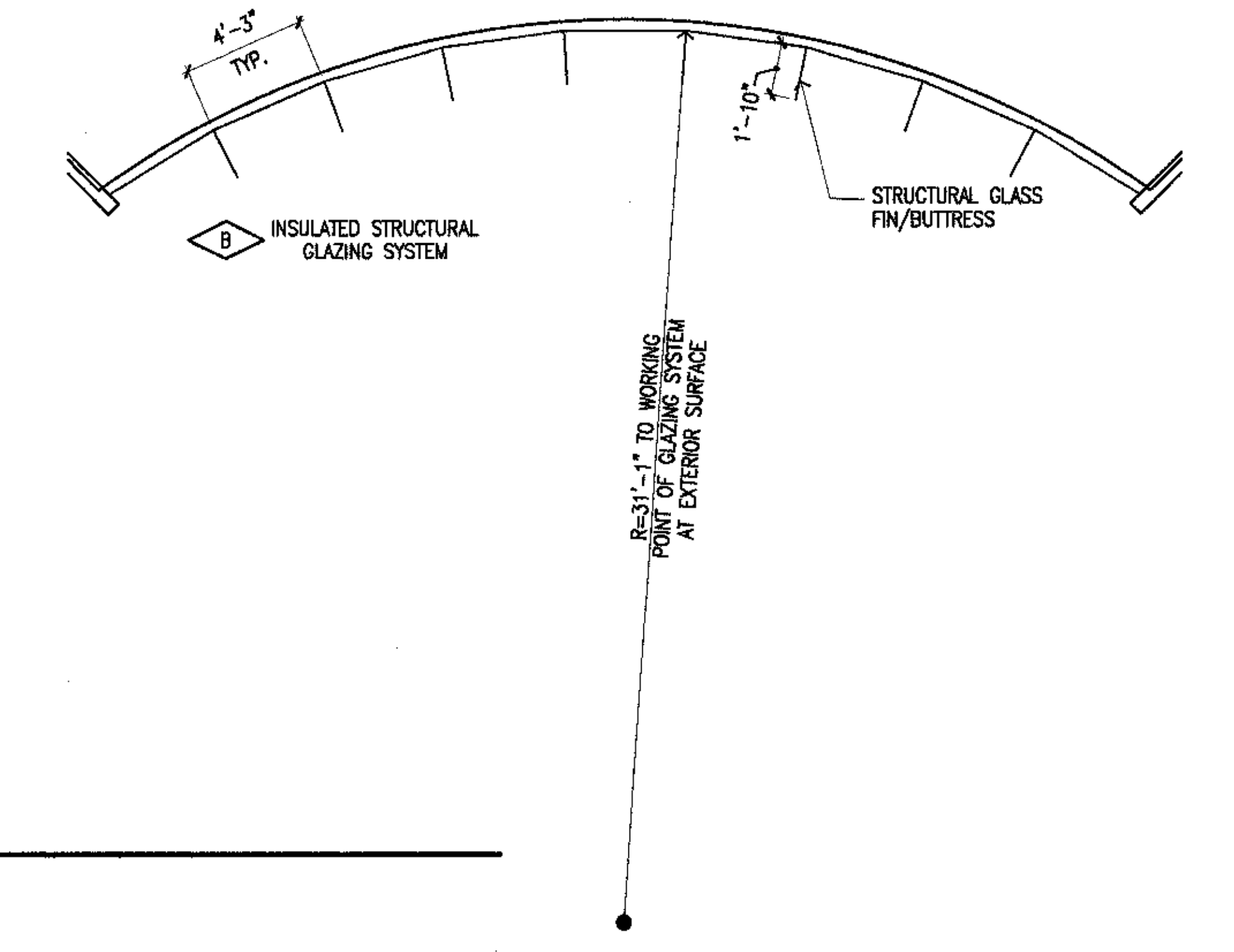
3 Door Types
 SCALE: NTS



2 Frame Types
 SCALE: NTS



1 Window and Louver Types
 SCALE: NTS



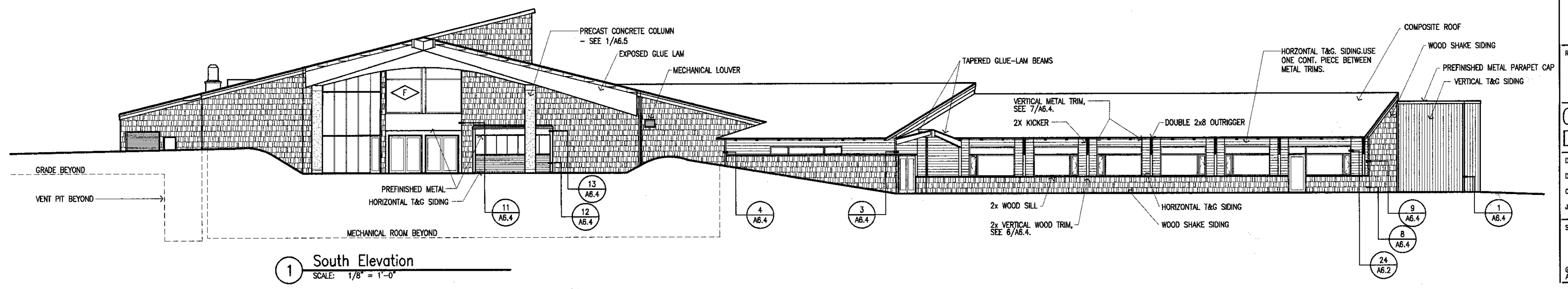
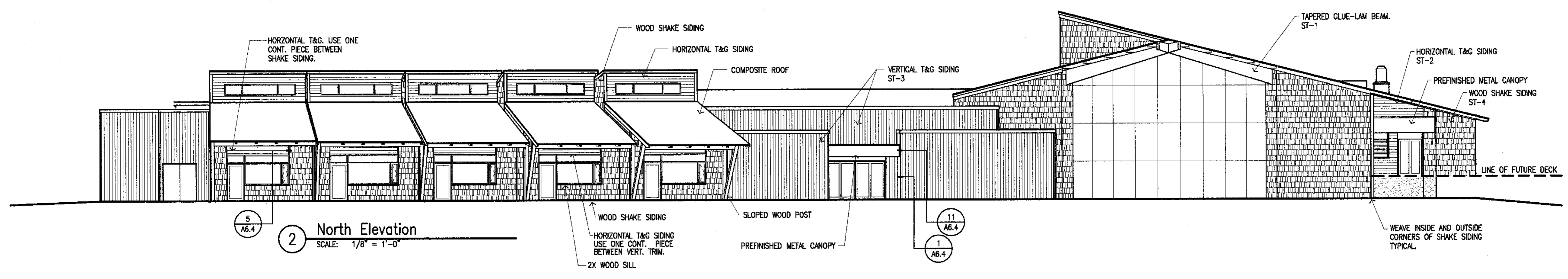
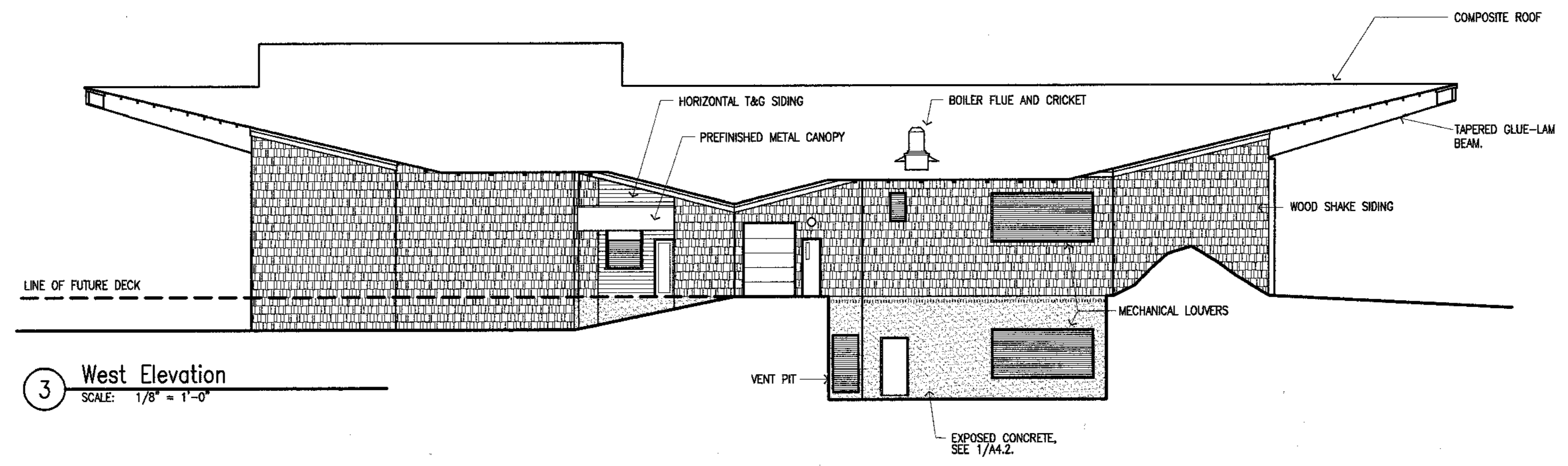
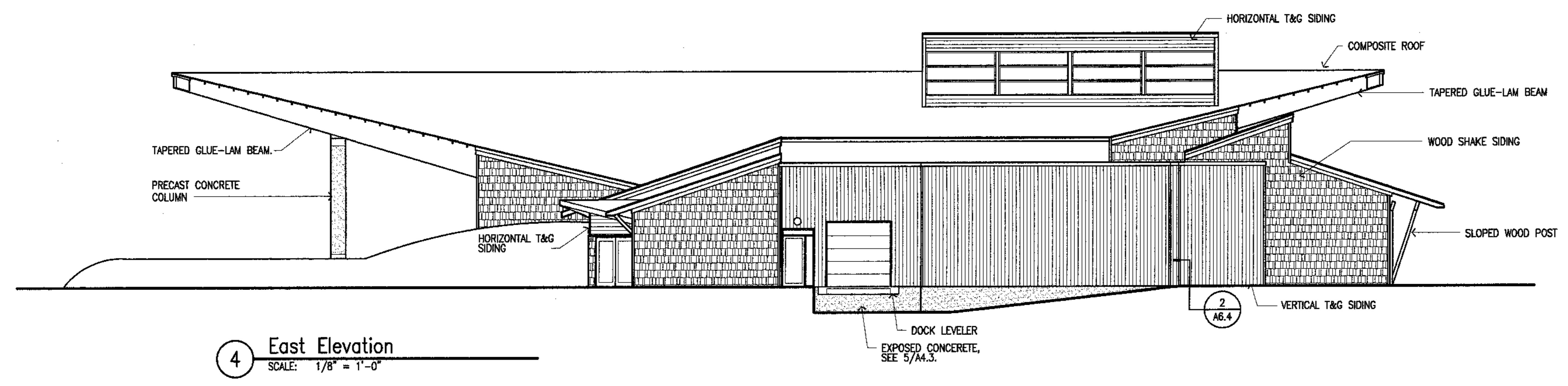
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Sheet Notes:

- SEE FLOOR PLANS AND OPENING SCHEDULE FOR INFORMATION ON EXTERIOR OPENINGS.
- COLOR LEGEND:**
 ST-1 EXPOSED GLUE LAM BEAMS
 EXPOSED WOOD STRUCTURE, TYP.
 ST-2 HORIZONTAL T&G
 T&G SOFFITS
 PLYWOOD SOFFITS
 WOOD TRIM
 ST-3 VERTICAL T&G
 ST-4 WOOD SHAKE SIDING



ALASKA NATIVE HERITAGE CENTER
 ANHC
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 EXTERIOR ELEVATIONS

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ALASKA NATIVE HERITAGE CENTER
 ANHC
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 BUILDING SECTIONS

Revisions

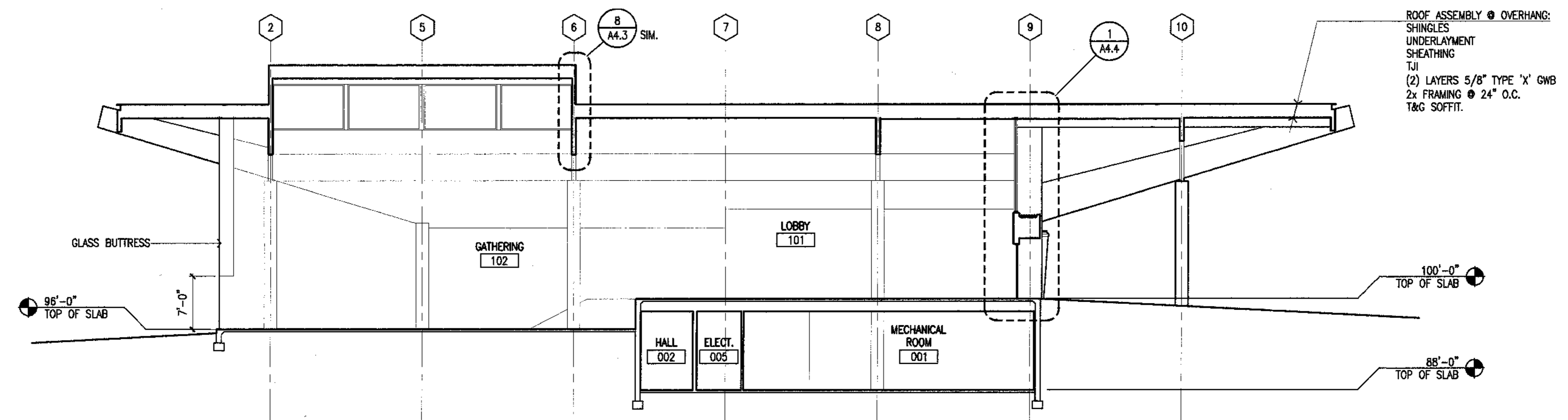
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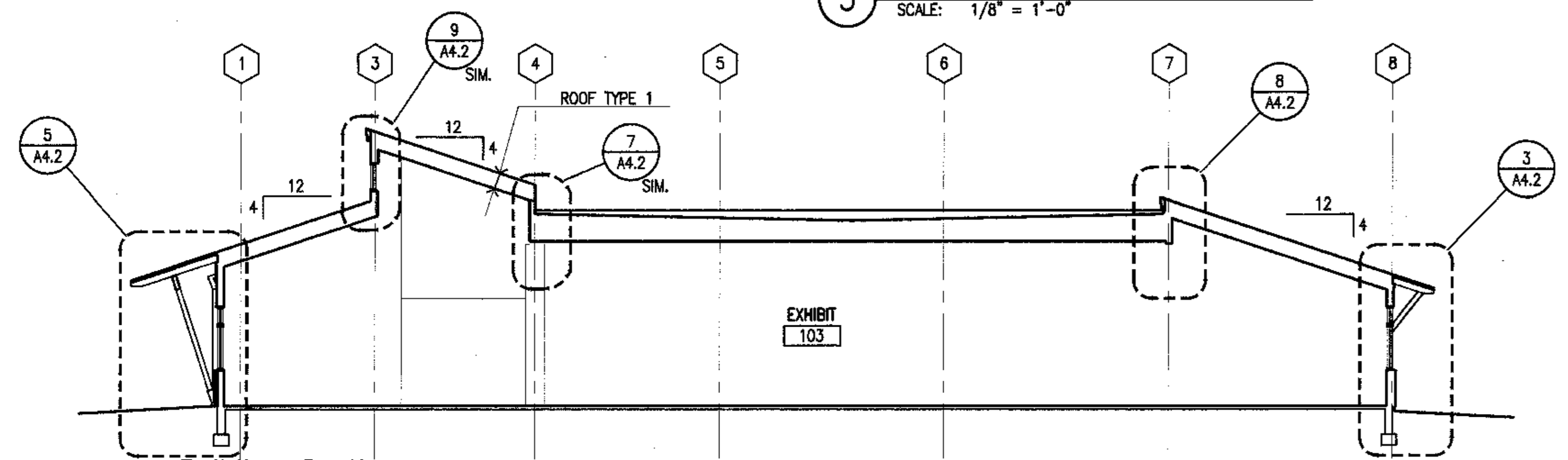
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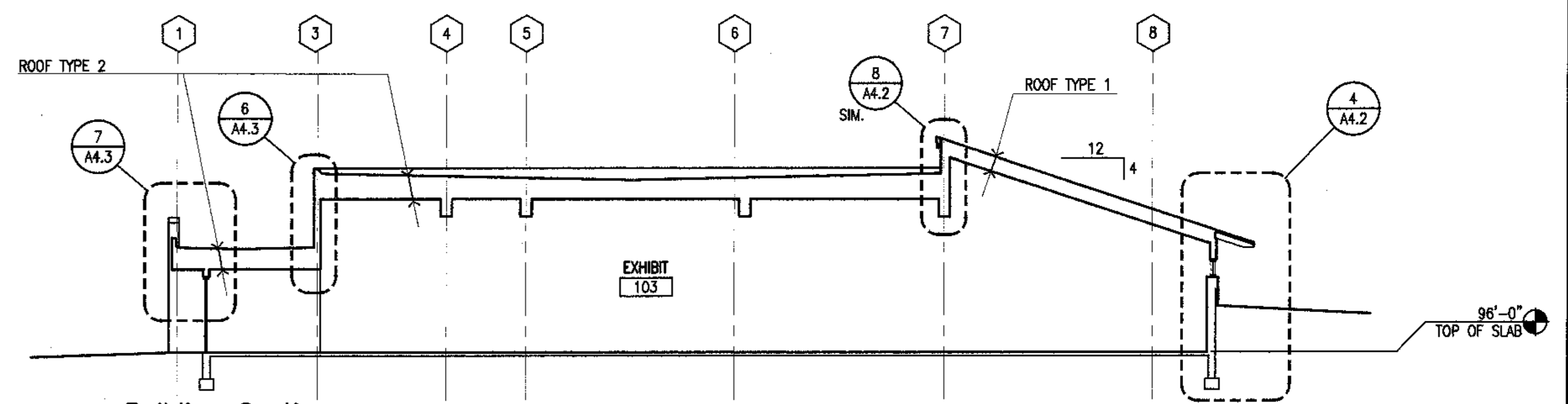
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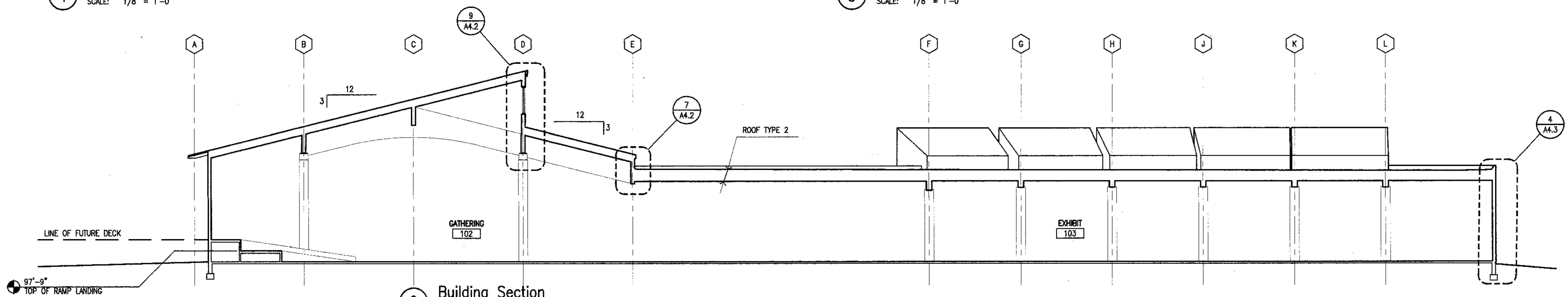
5 Building Section
 SCALE: 1/8" = 1'-0"



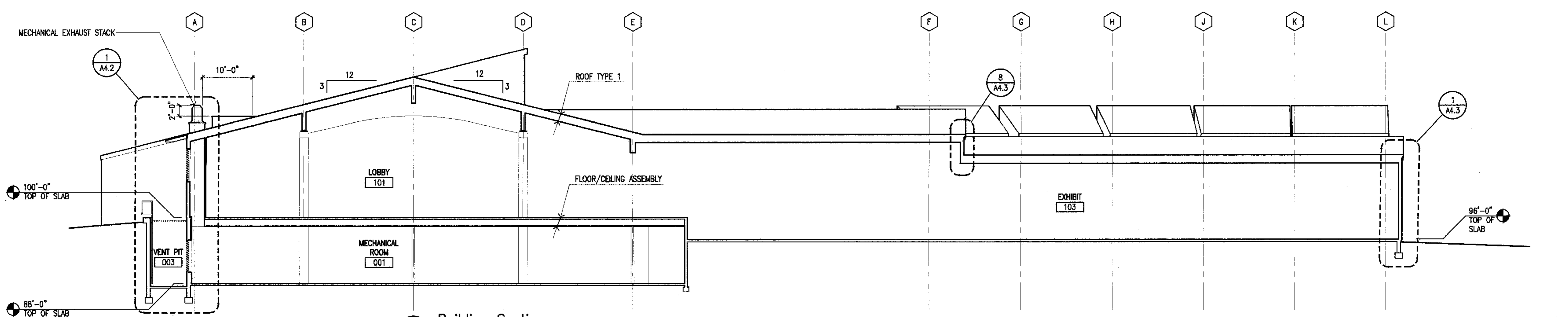
4 Building Section
 SCALE: 1/8" = 1'-0"



3 Building Section
 SCALE: 1/8" = 1'-0"

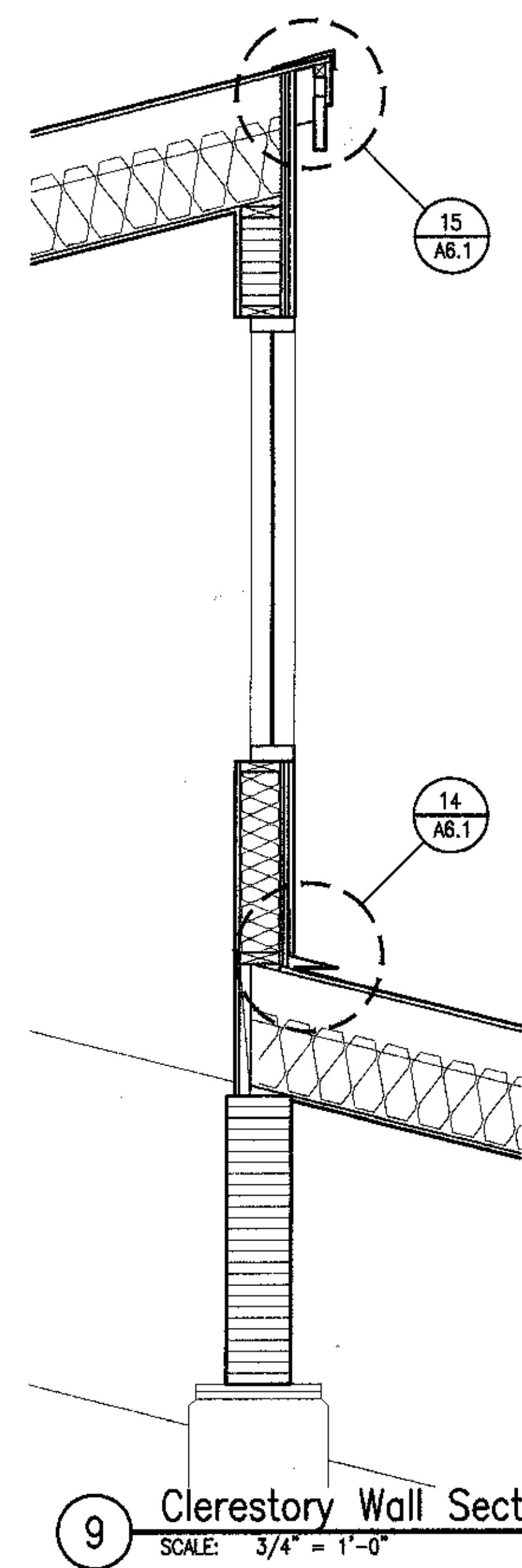


2 Building Section
 SCALE: 1/8" = 1'-0"

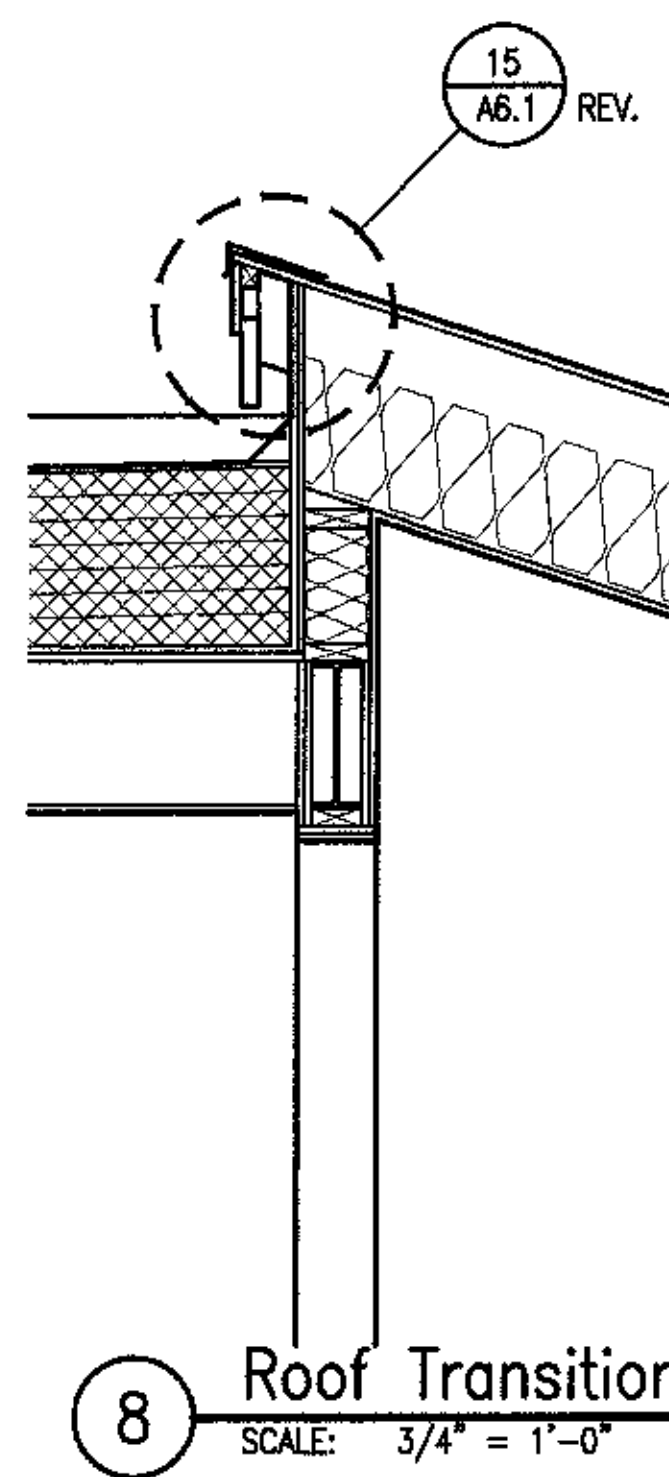


1 Building Section
 SCALE: 1/8" = 1'-0"

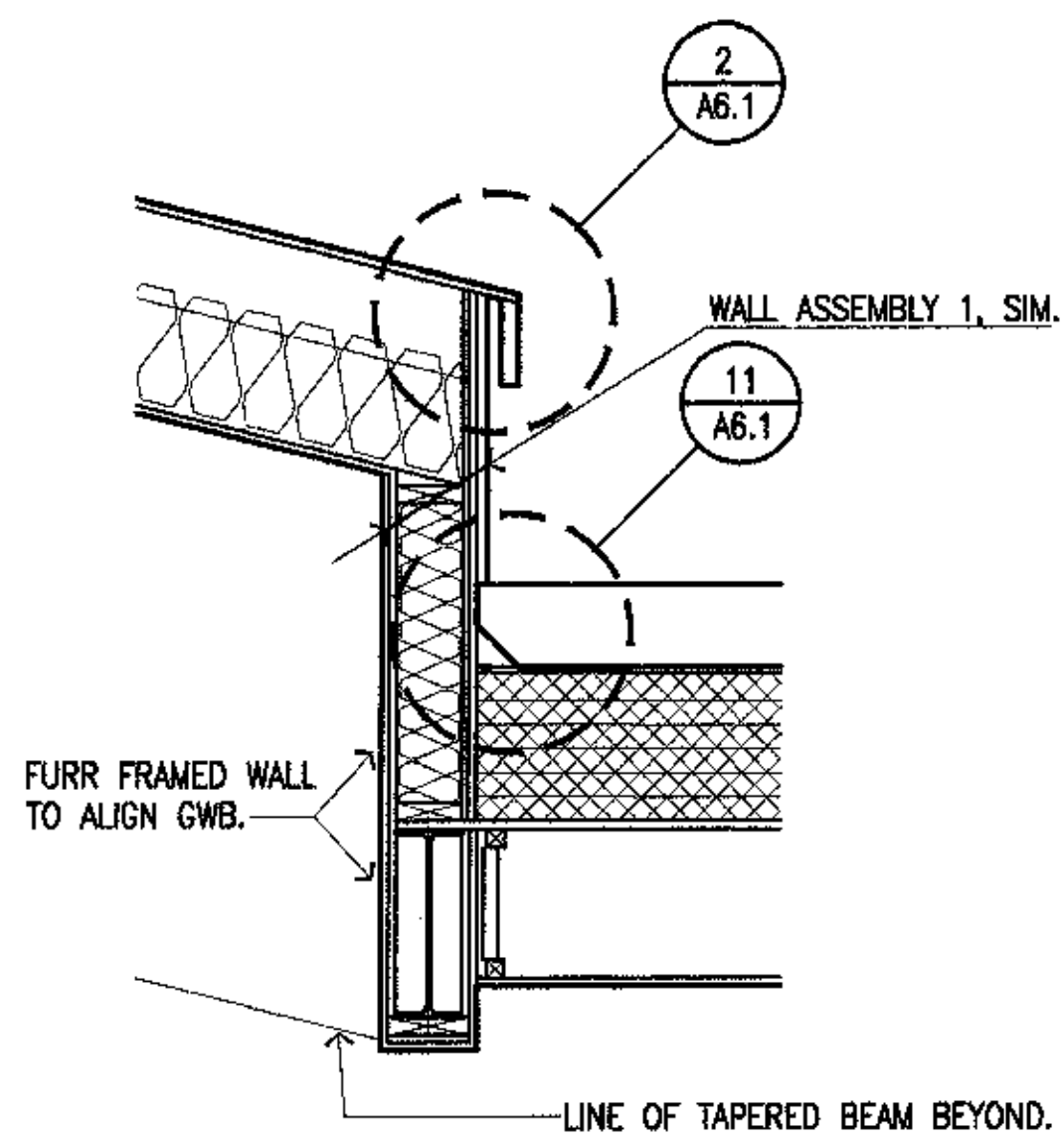
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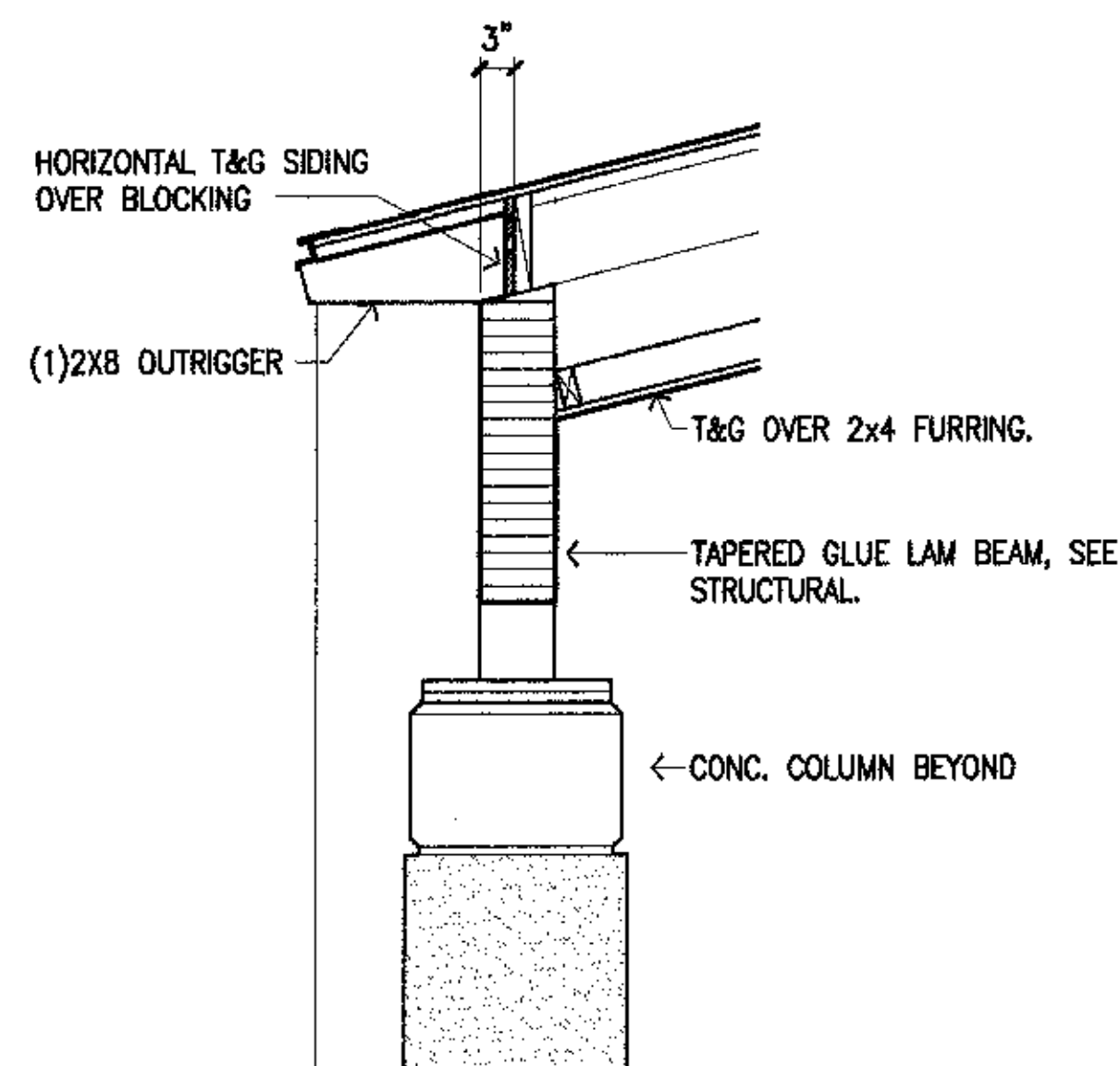
9 Clerestory Wall Section
SCALE: 3/4" = 1'-0"



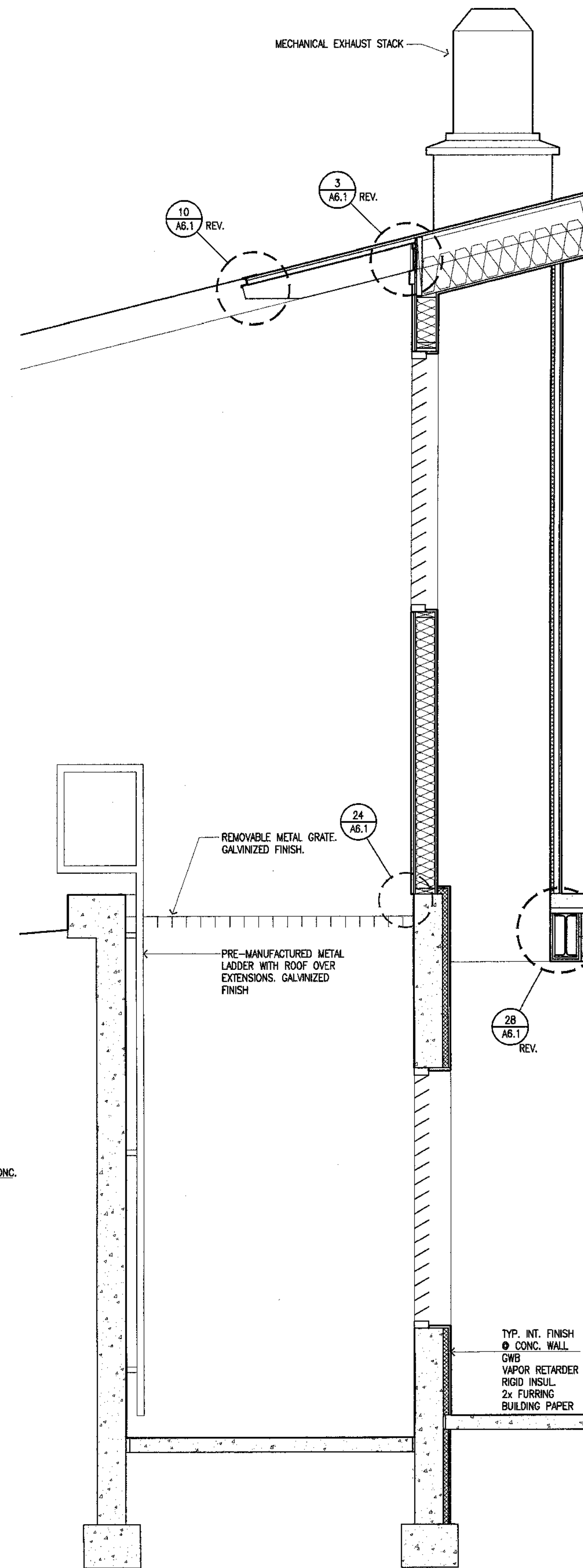
8 Roof Transition Section
SCALE: 3/4" = 1'-0"



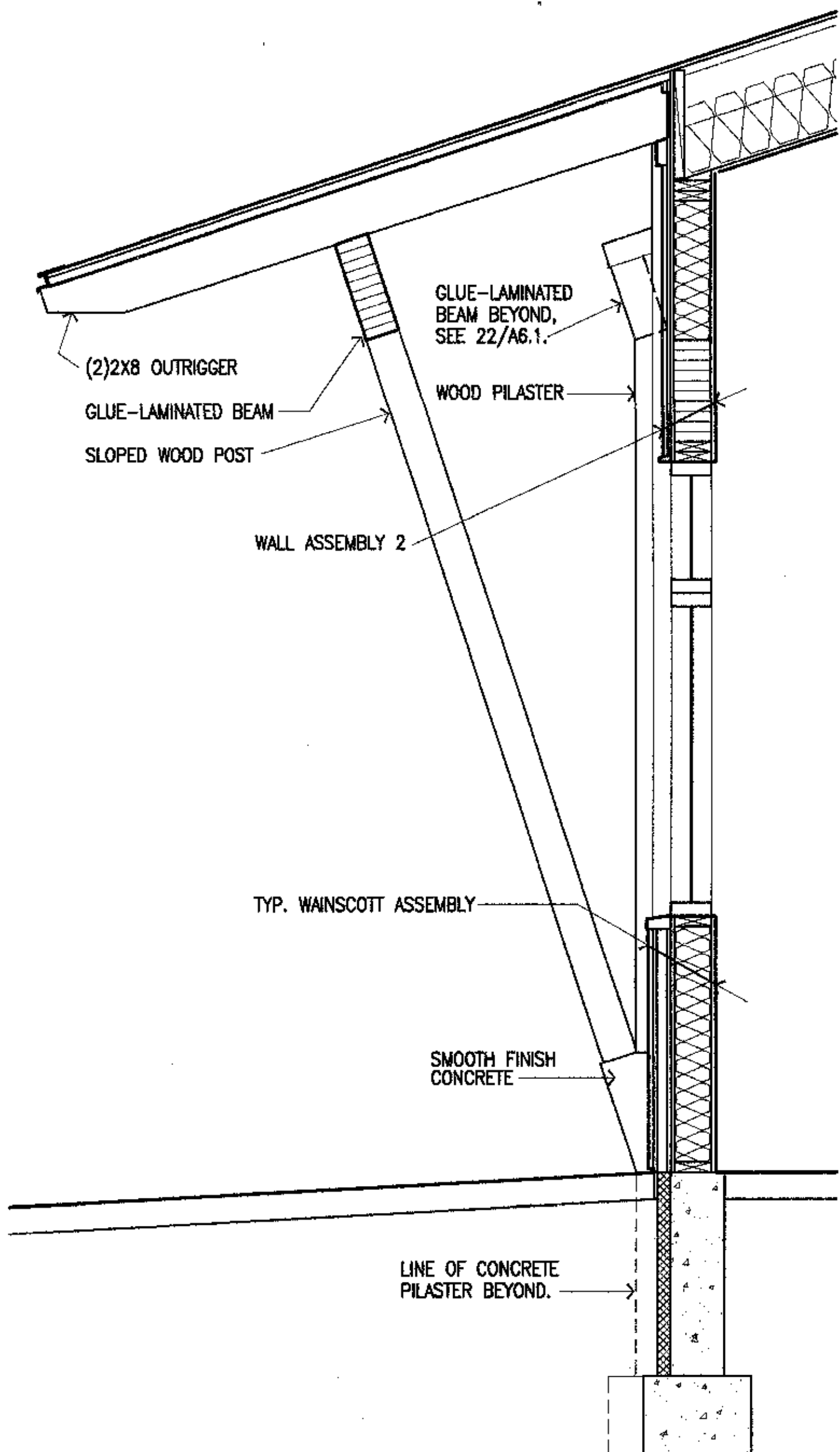
7 Roof Transition Section
SCALE: 3/4" = 1'-0"



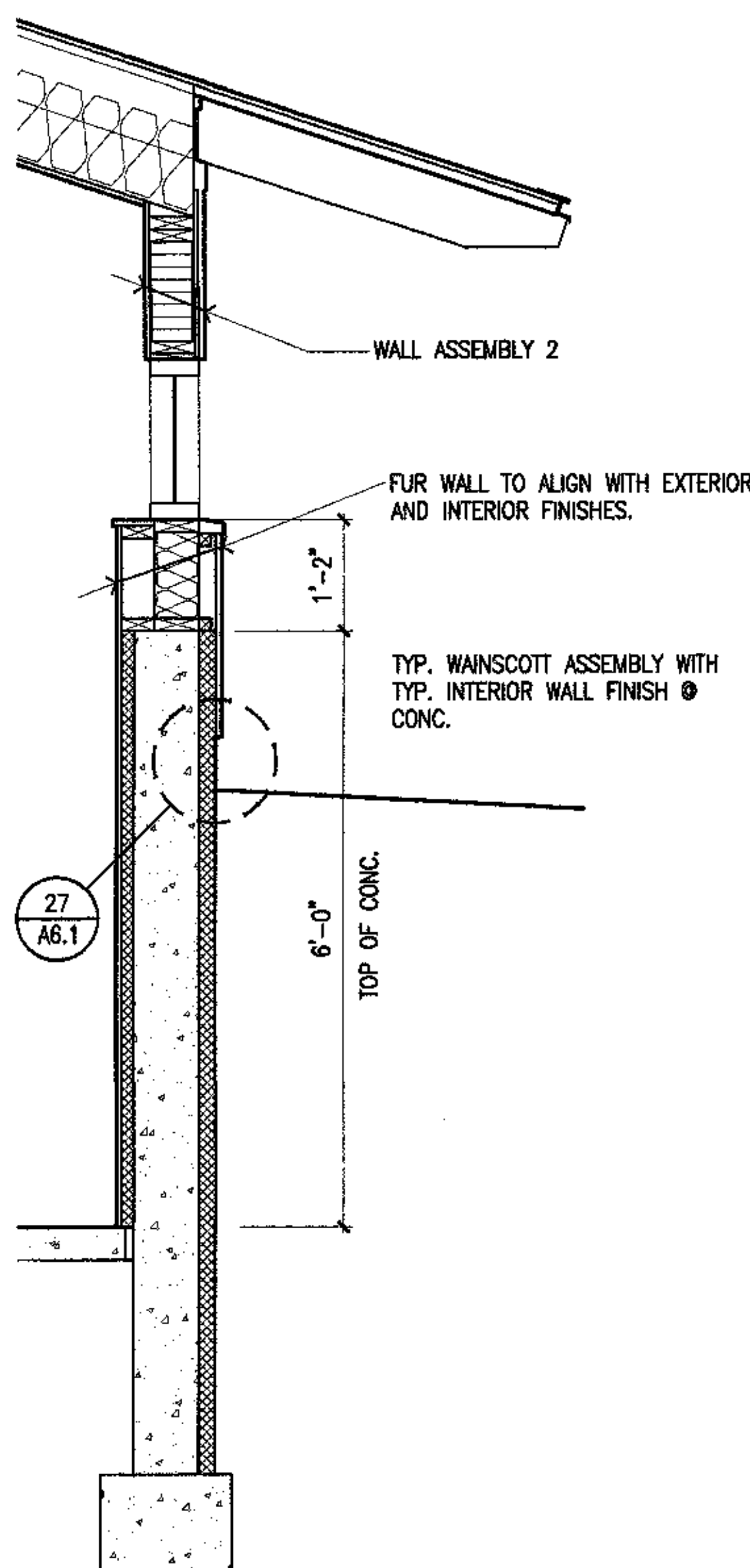
6 Partial Wall Section @ Roof
SCALE: 3/4" = 1'-0"



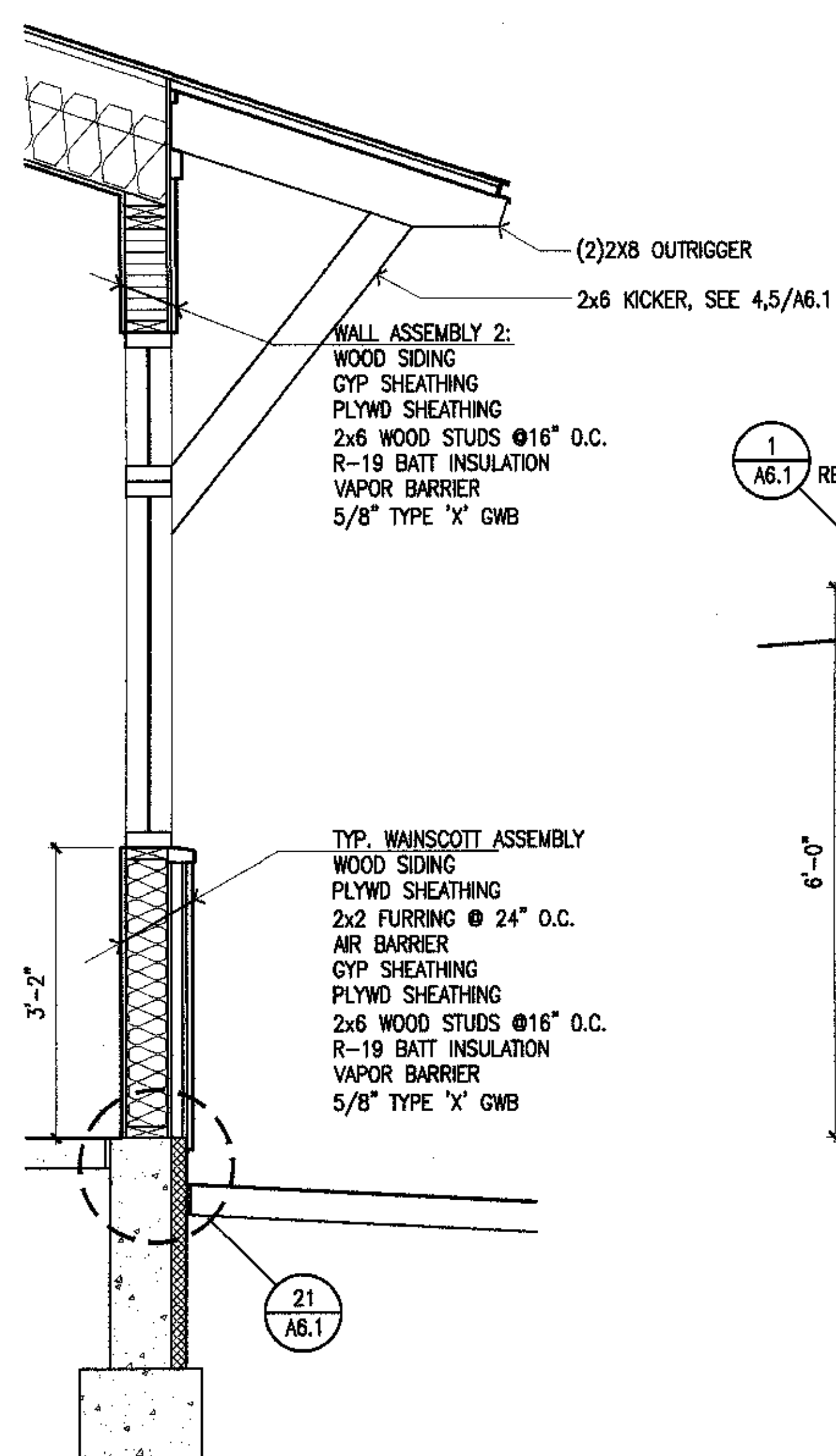
1 Exterior Wall Section
SCALE: 3/4" = 1'-0"



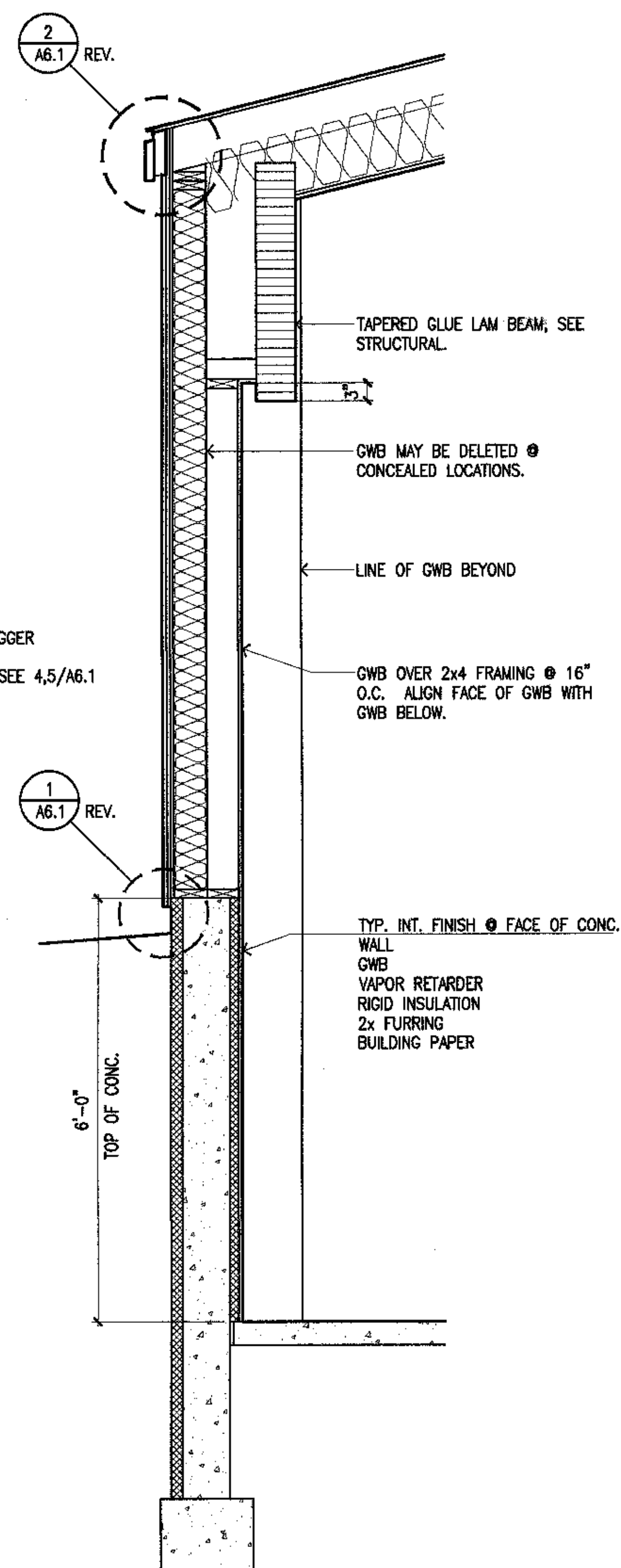
5 Exterior Wall Section
SCALE: 3/4" = 1'-0"



4 Exterior Wall Section
SCALE: 3/4" = 1'-0"



3 Exterior Wall Section
SCALE: 3/4" = 1'-0"



2 Exterior Wall Section
SCALE: 3/4" = 1'-0"



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ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
WALL SECTIONS

| Revisions | |
|-----------|--|
| | |
| | |
| | |

CONFORMED DRAWINGS
Date: 04/17/98
Drawn: FWP, PMD
Checked: RRR
Job No.: 95023
Sheet No.: A4.2
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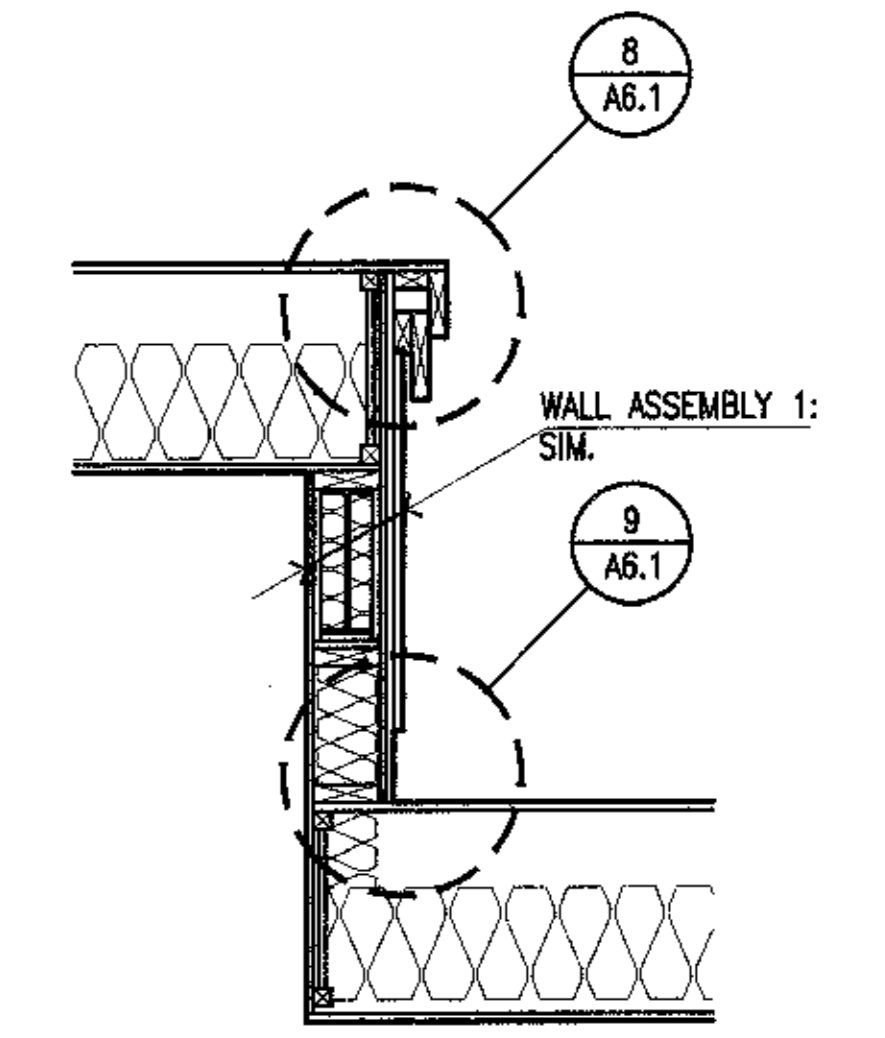
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 WALL SECTIONS

Revisions

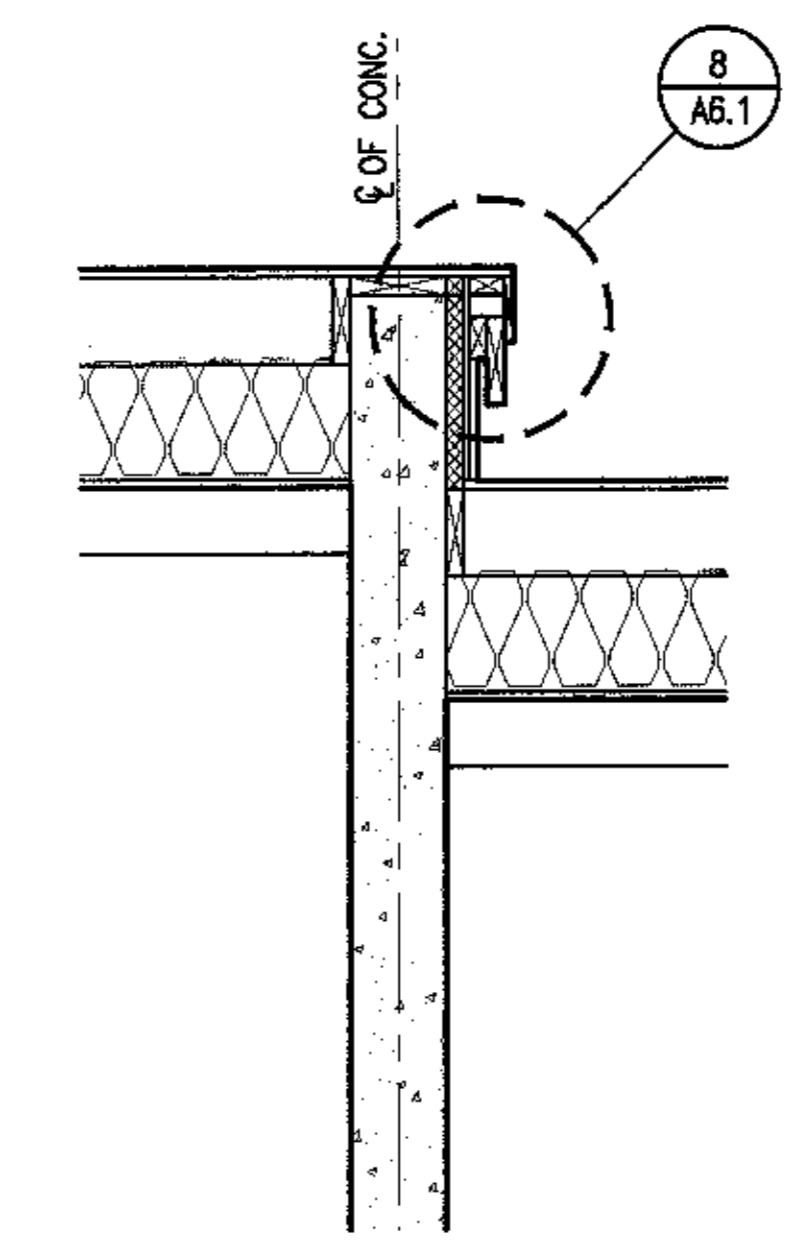
CONFORMED DRAWINGS

Date 04/17/98
 Drawn FWP, MLT, PMD
 Checked RRR
 Job No. 95023
 Sheet No.

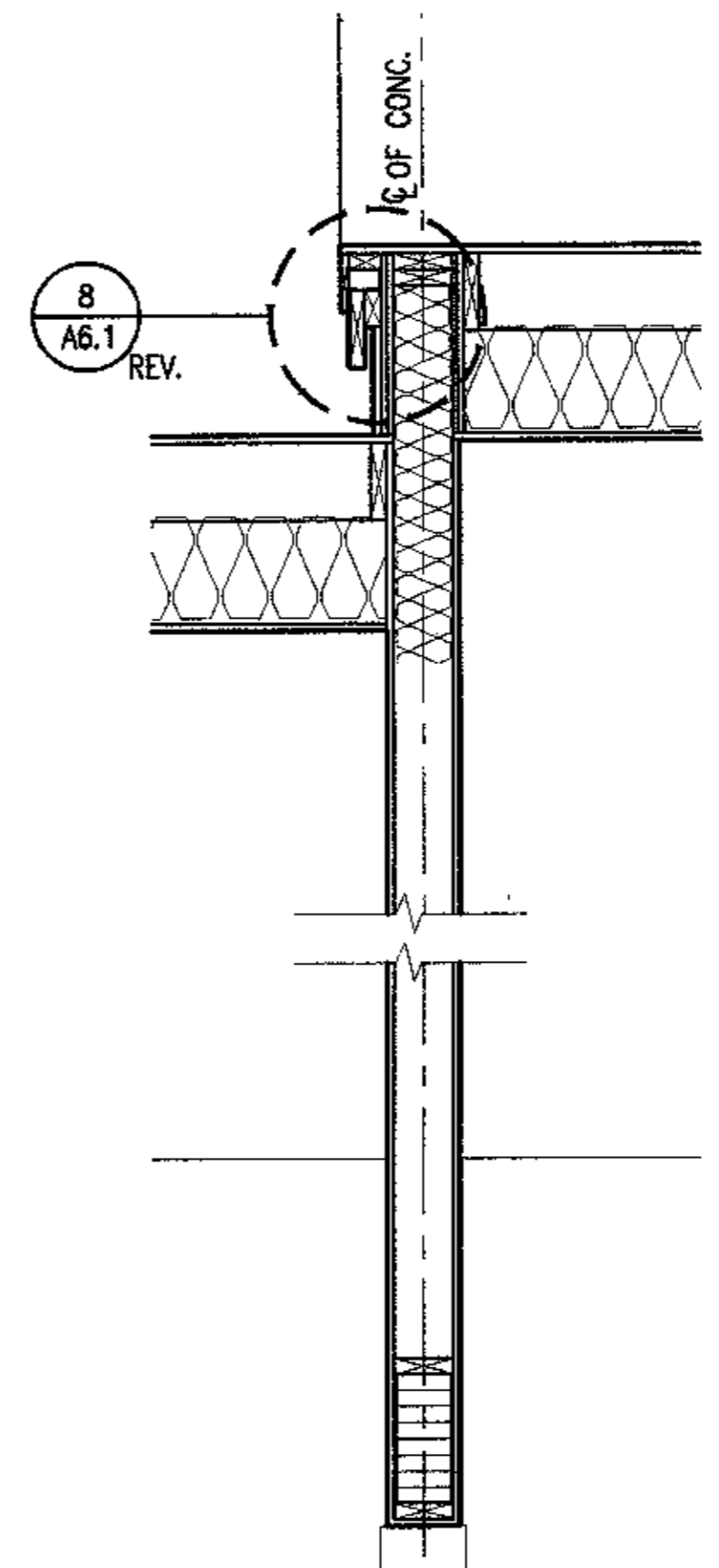
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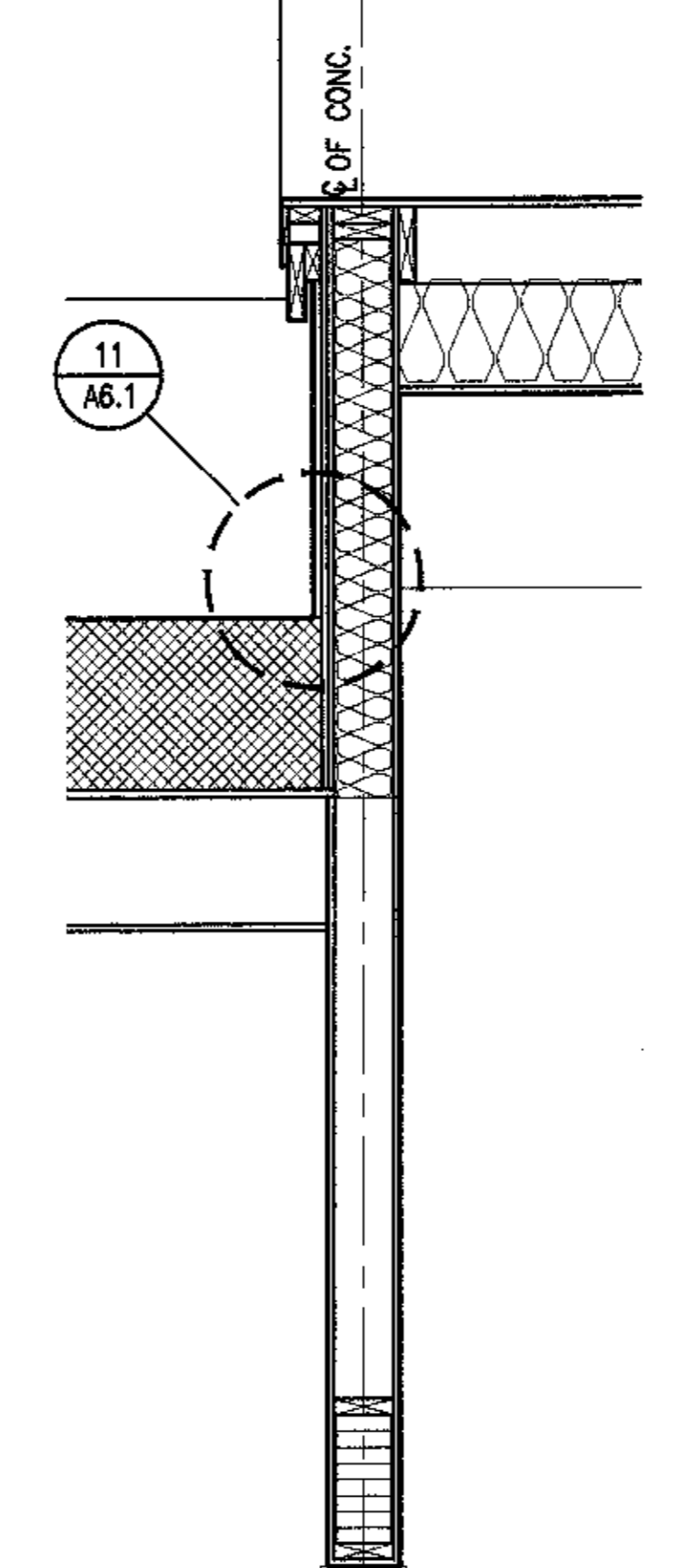
8 Roof Transition Section
 SCALE: 3/4" = 1'-0"



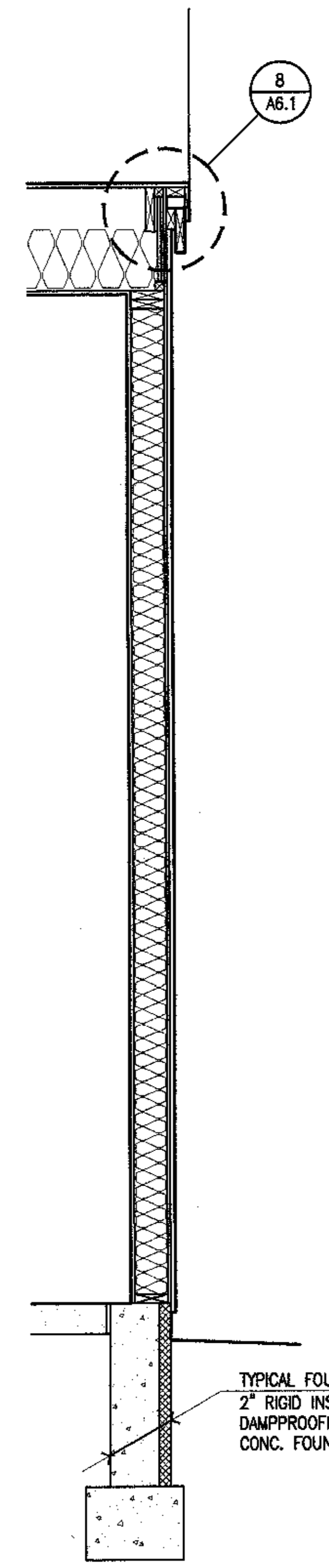
9 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



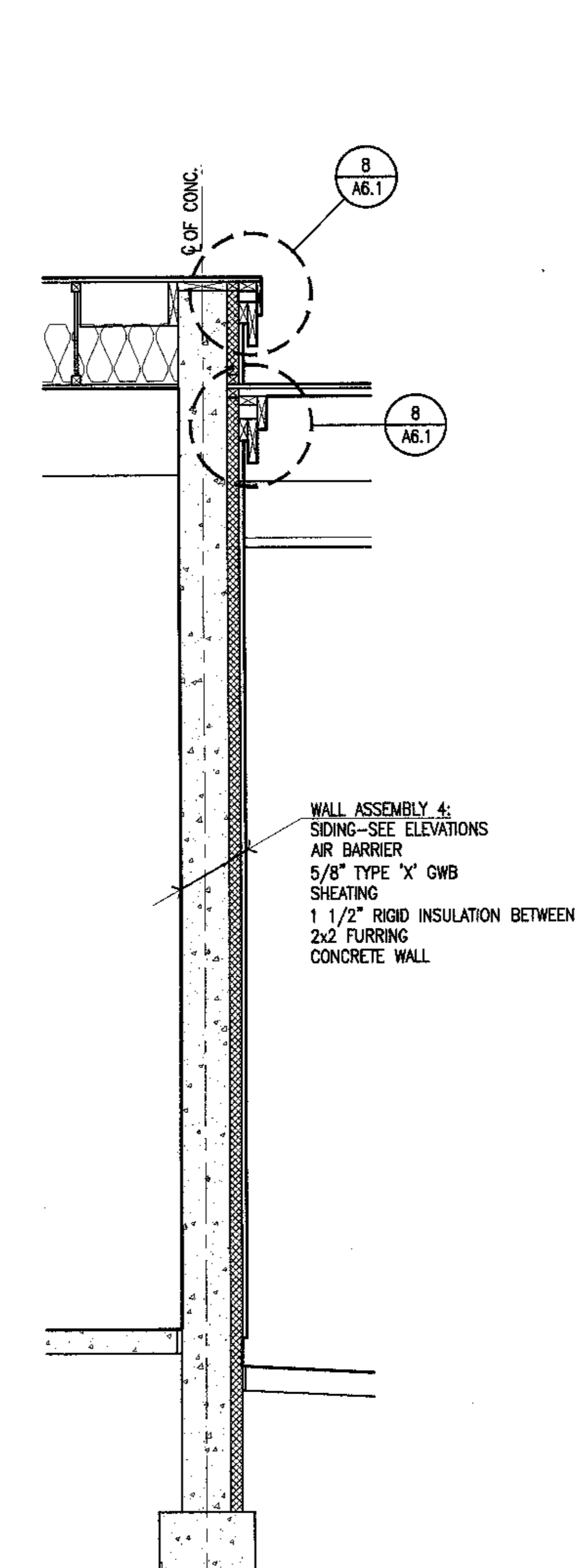
10 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



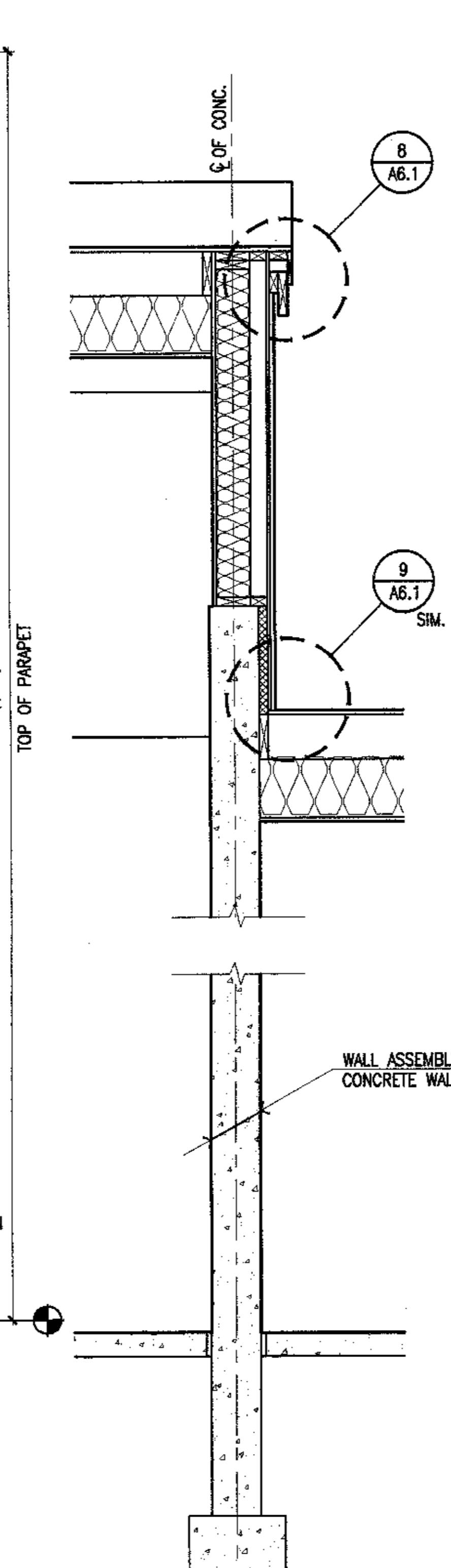
11 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



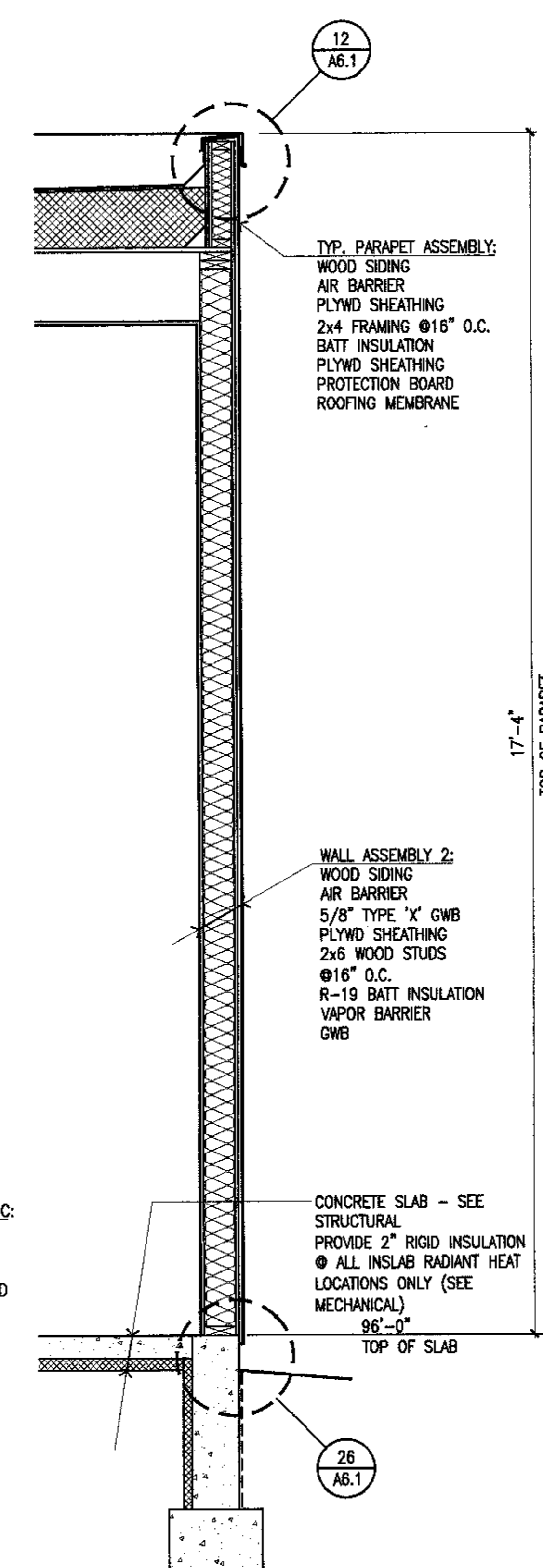
1 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



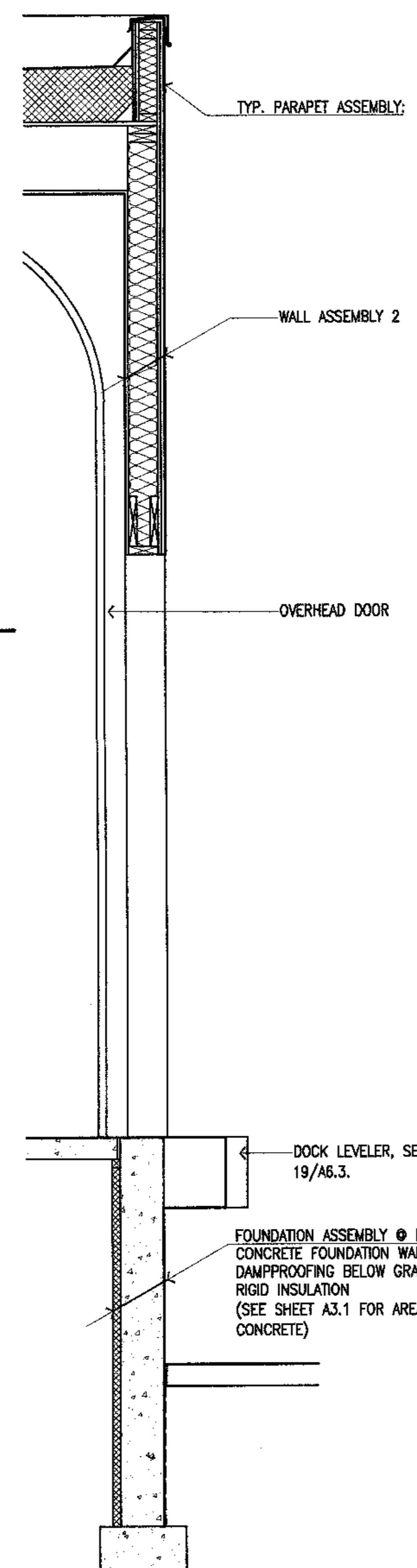
2 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



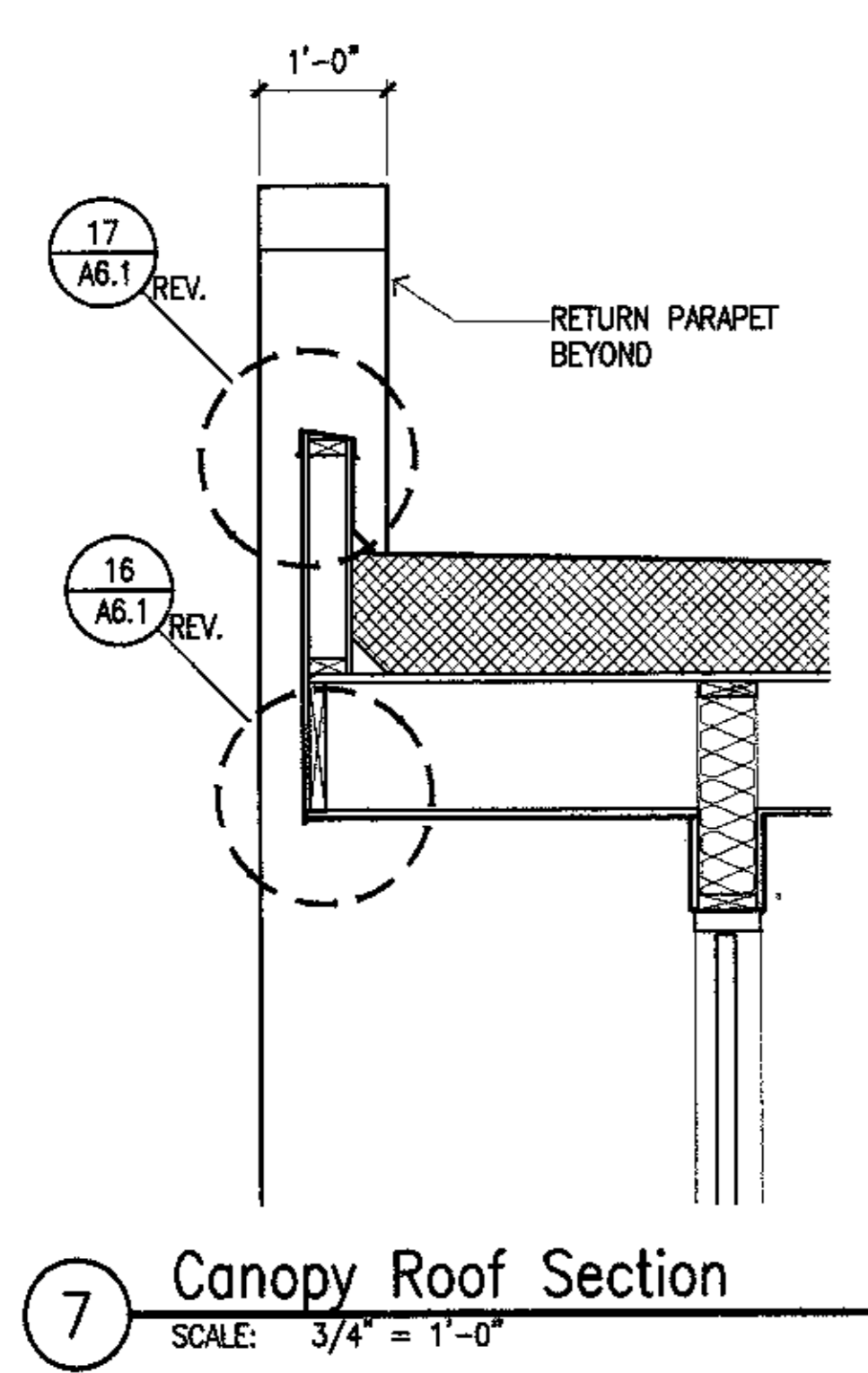
3 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



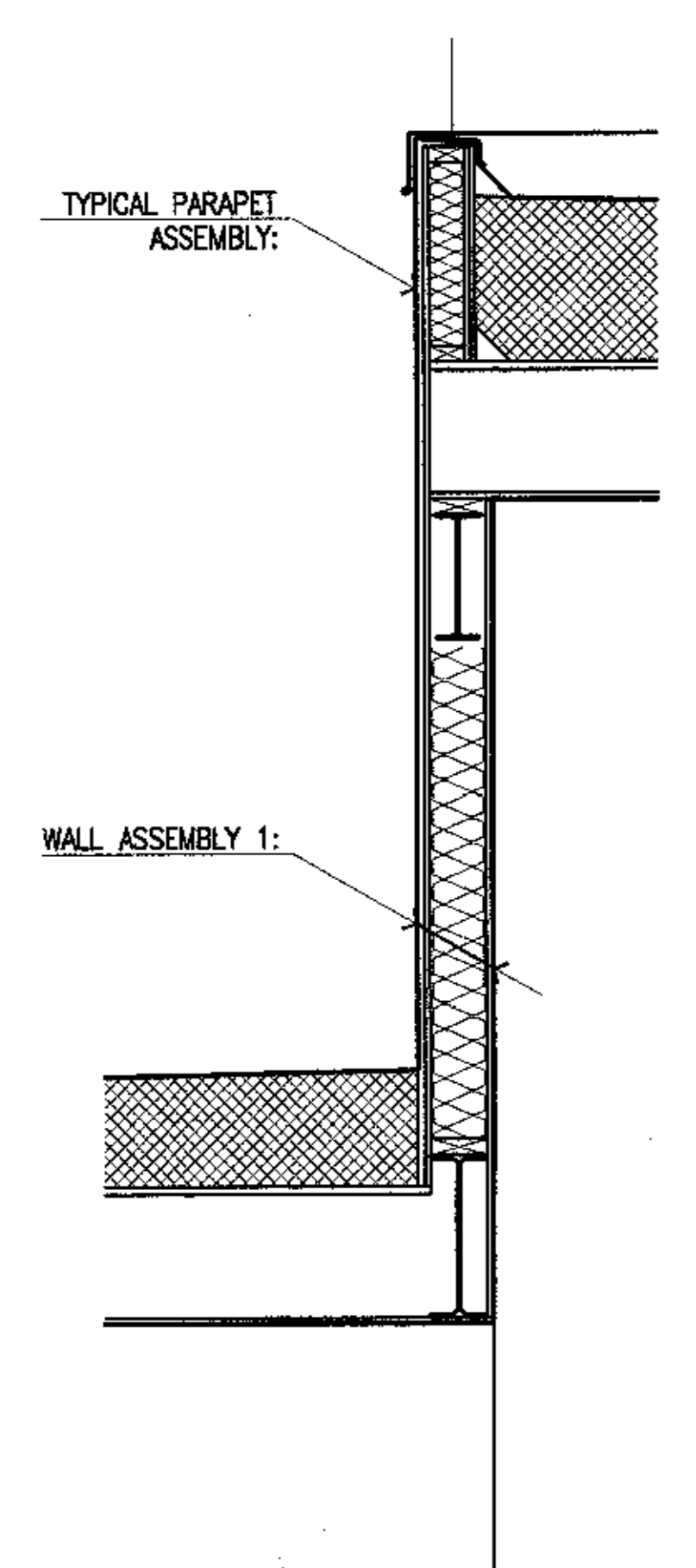
4 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



5 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



7 Canopy Roof Section
 SCALE: 3/4" = 1'-0"



6 Roof Transition Section
 SCALE: 3/4" = 1'-0"



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 WALL SECTIONS

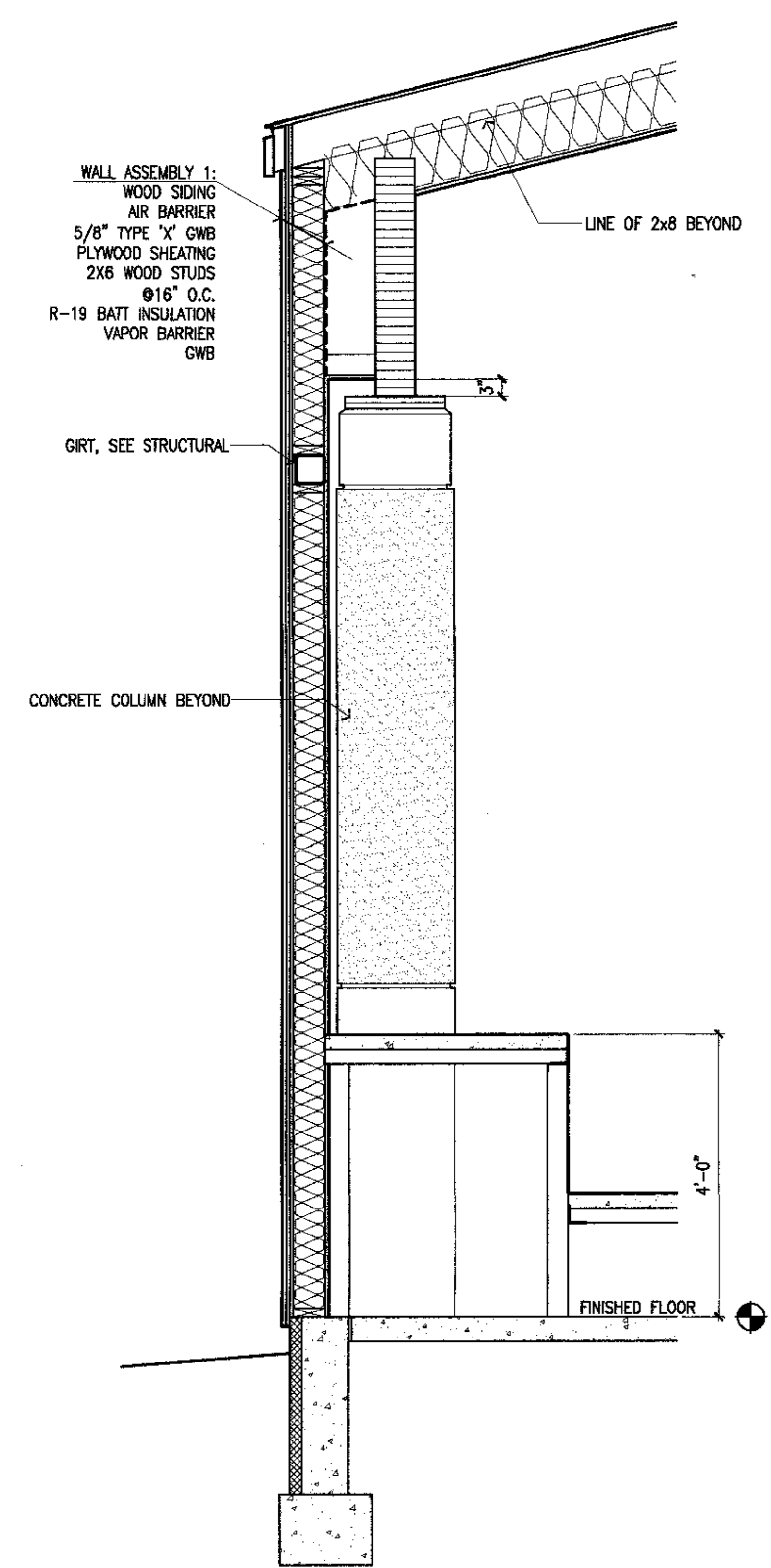
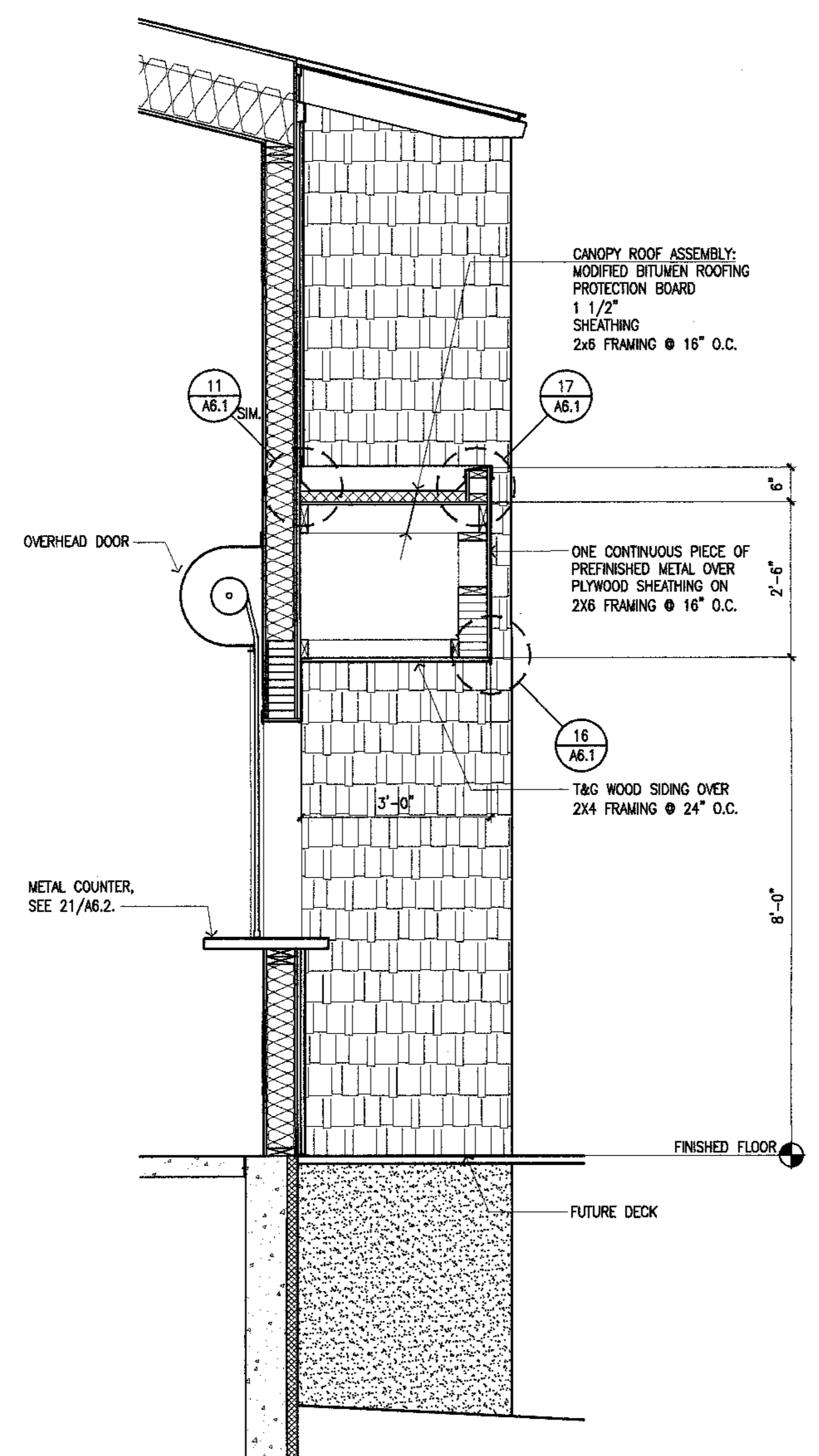
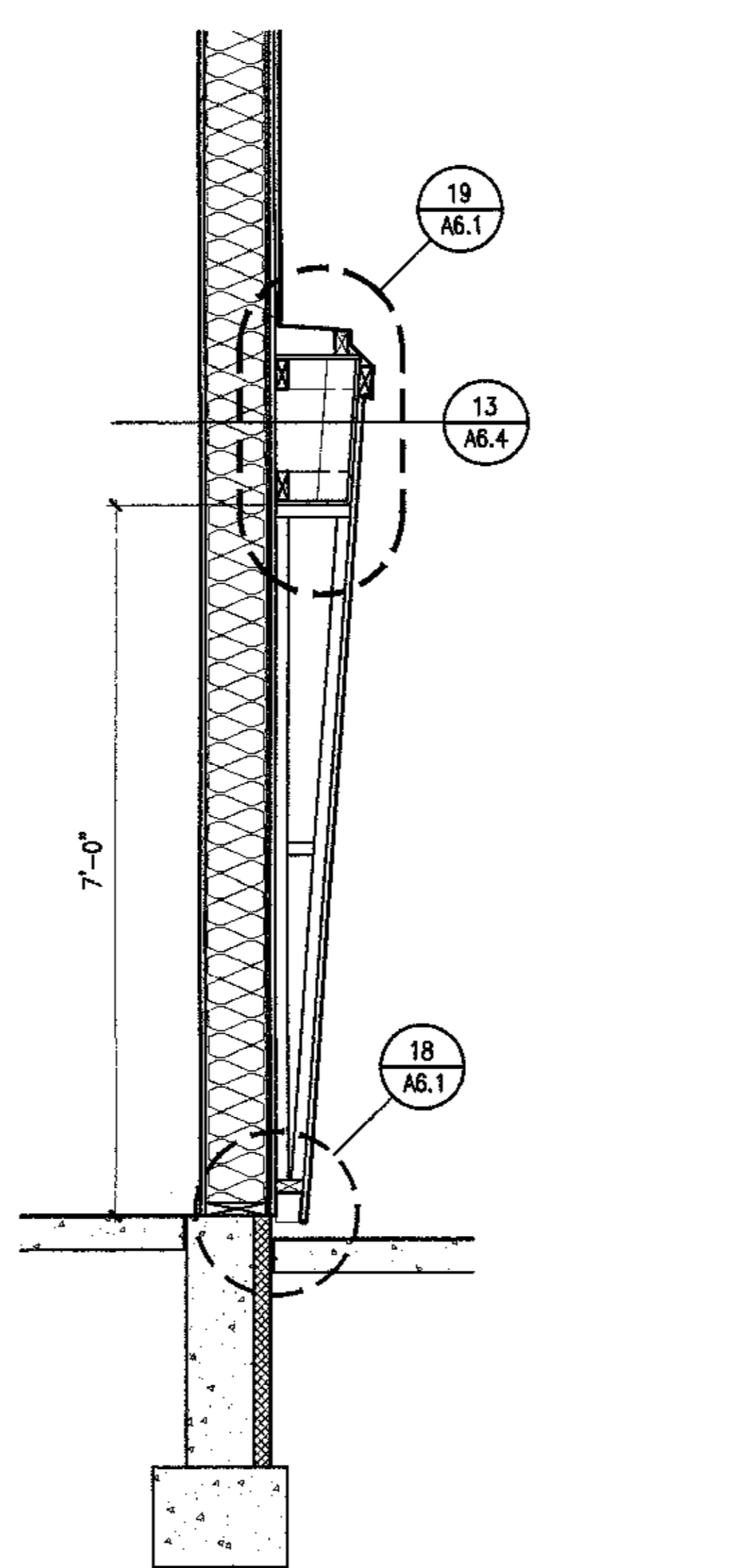
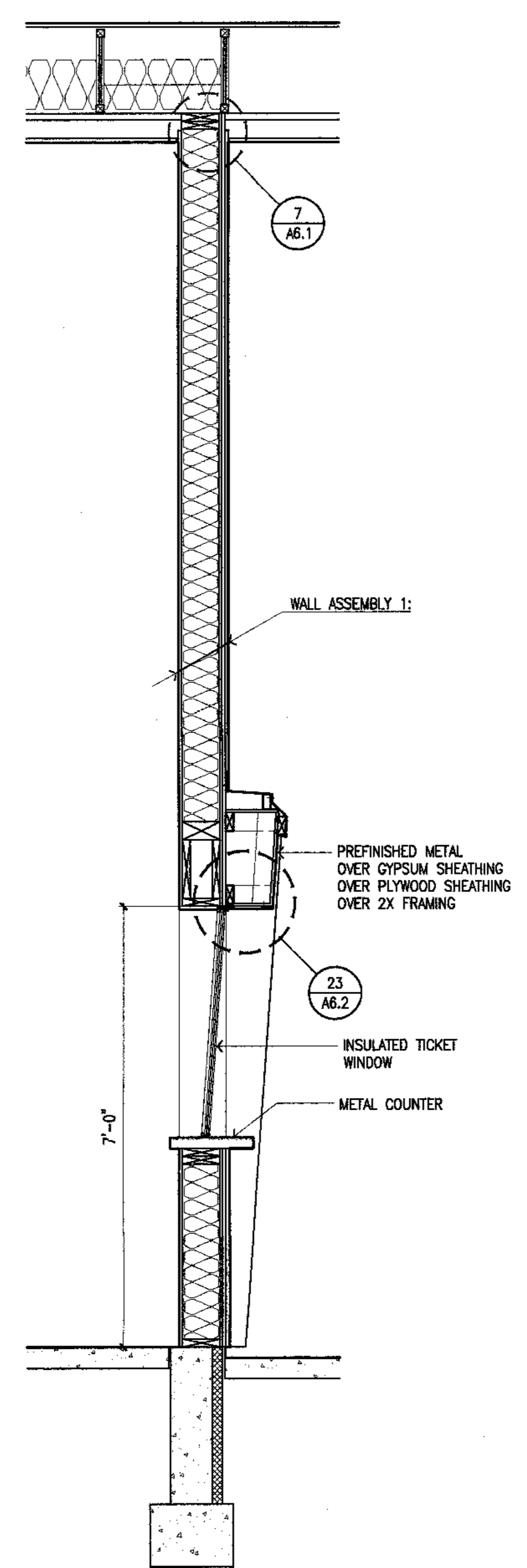
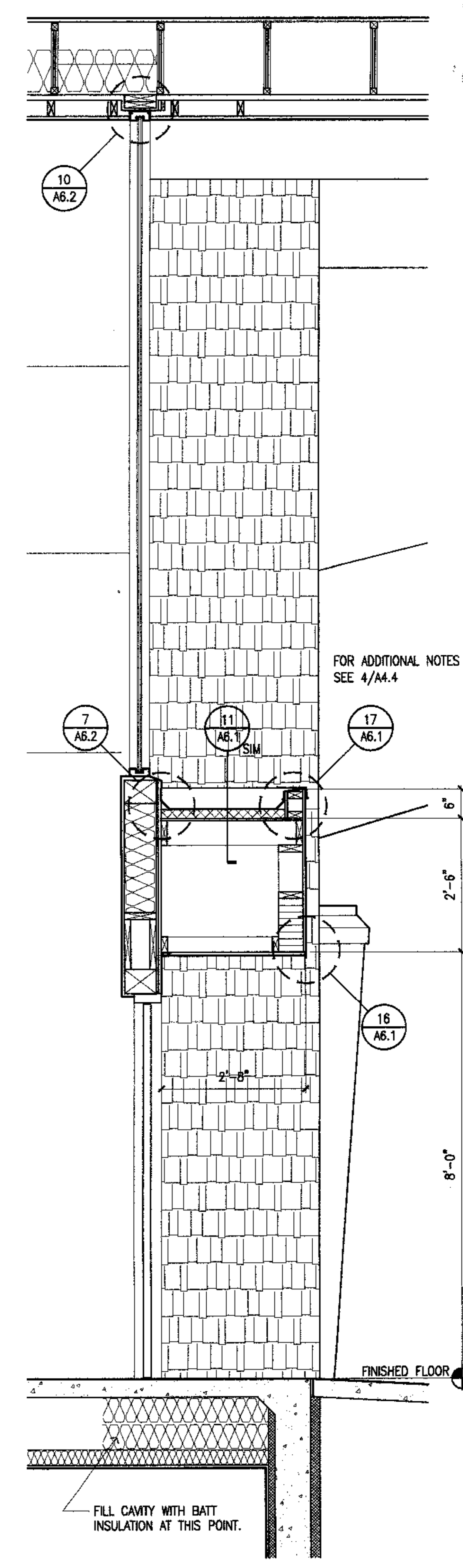
Revisions

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Date 04/17/98
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 Job No. 95023

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5 Exterior Wall Section
 SCALE: 3/4" = 1'-0"

4 Kitchen Counter Section
 SCALE: 3/4" = 1'-0"

3 Ticket Counter Section
 SCALE: 3/4" = 1'-0"

2 Ticket Counter Section
 SCALE: 3/4" = 1'-0"

1 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



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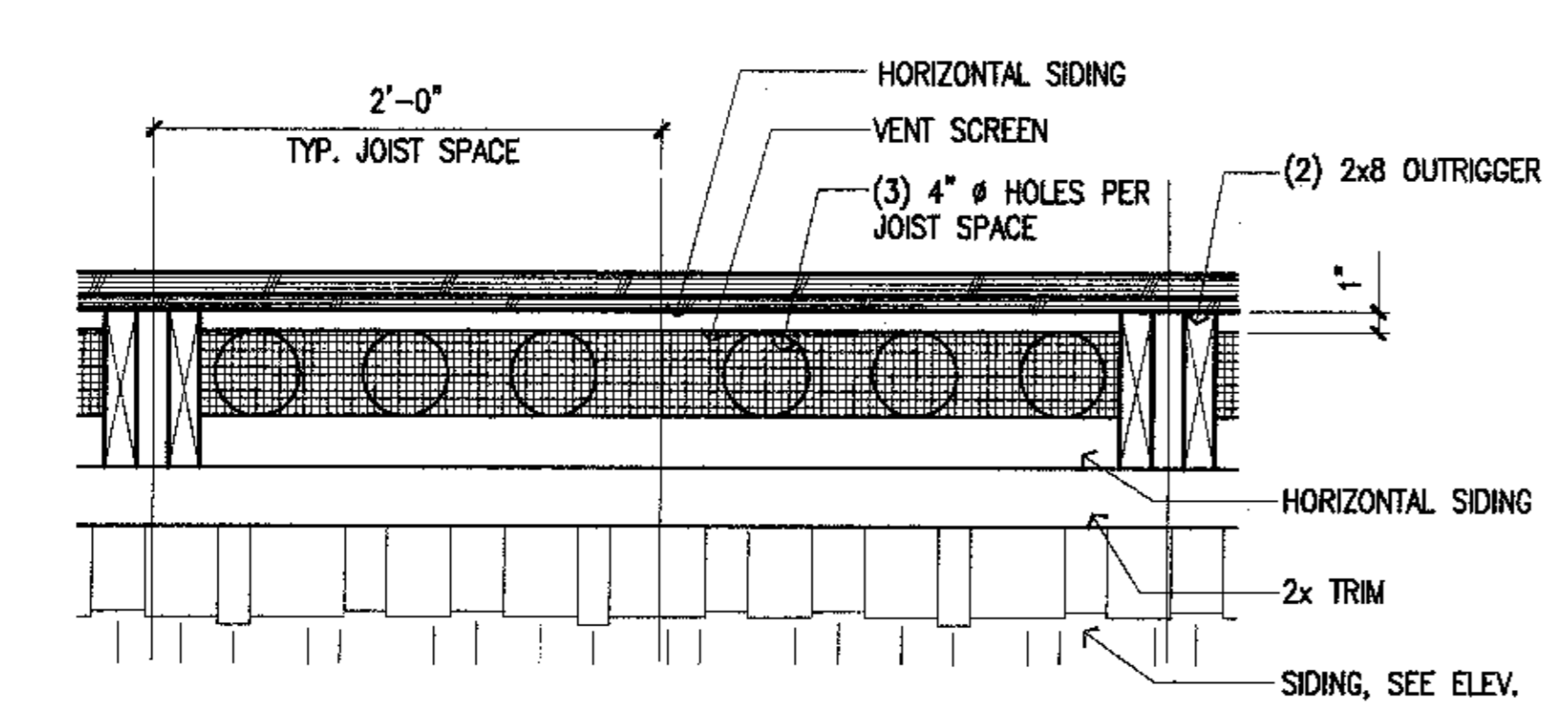
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 EXTERIOR DETAILS

Revisions

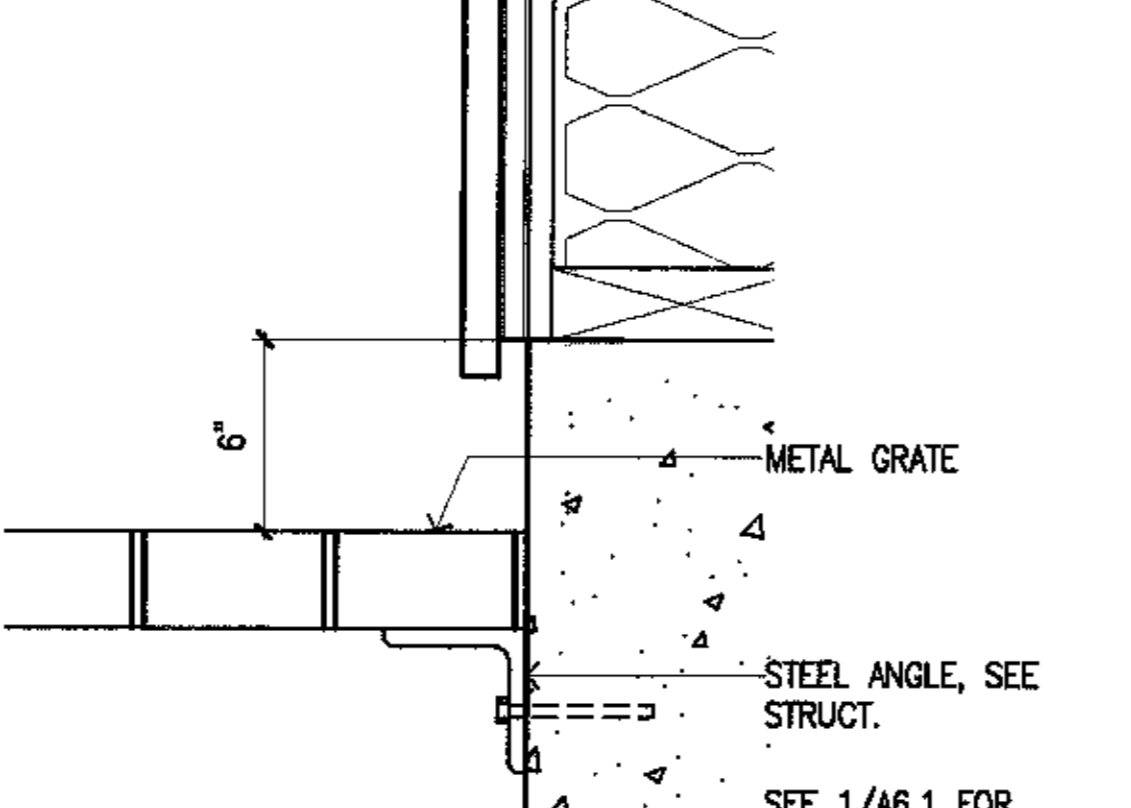
CONFORMED DRAWINGS

Date 04/17/98
 Drawn PMD, FWP
 Checked RRR
 Job No. 95023
 Sheet No.

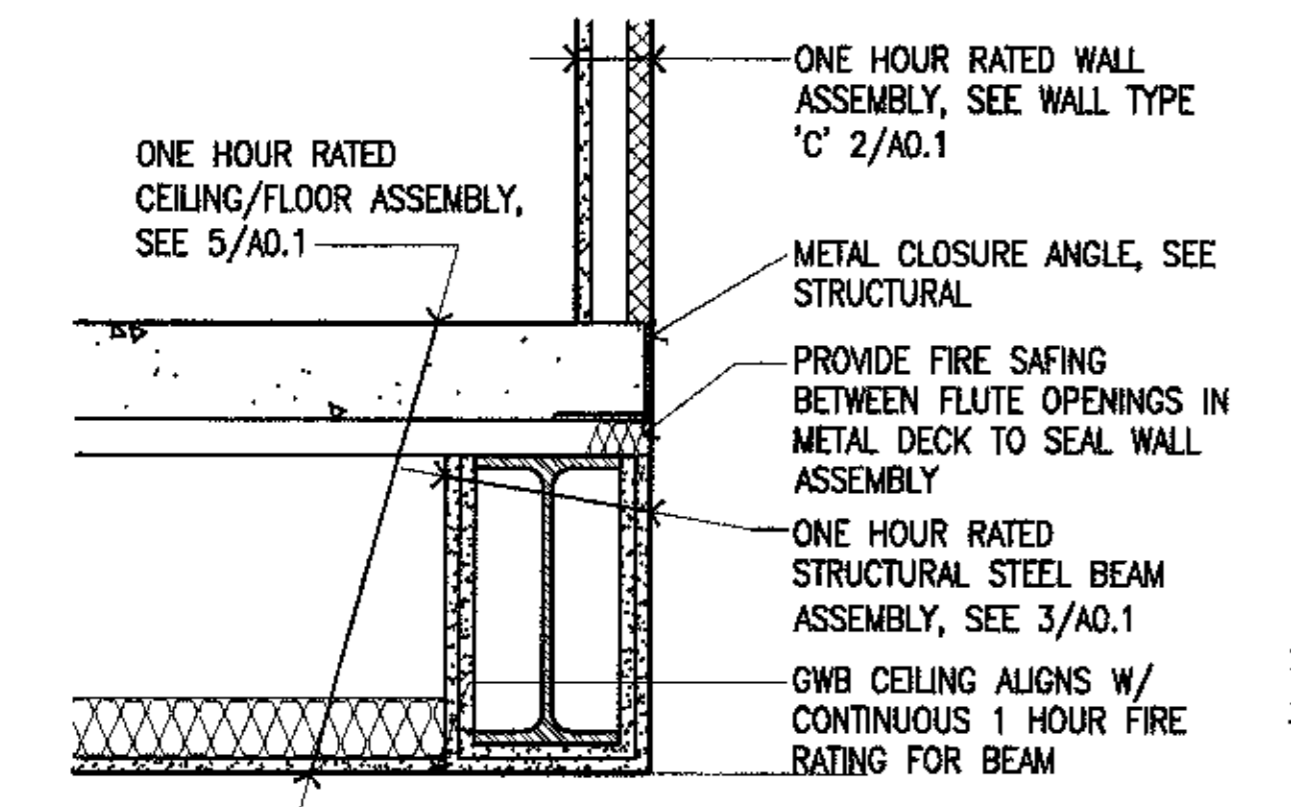
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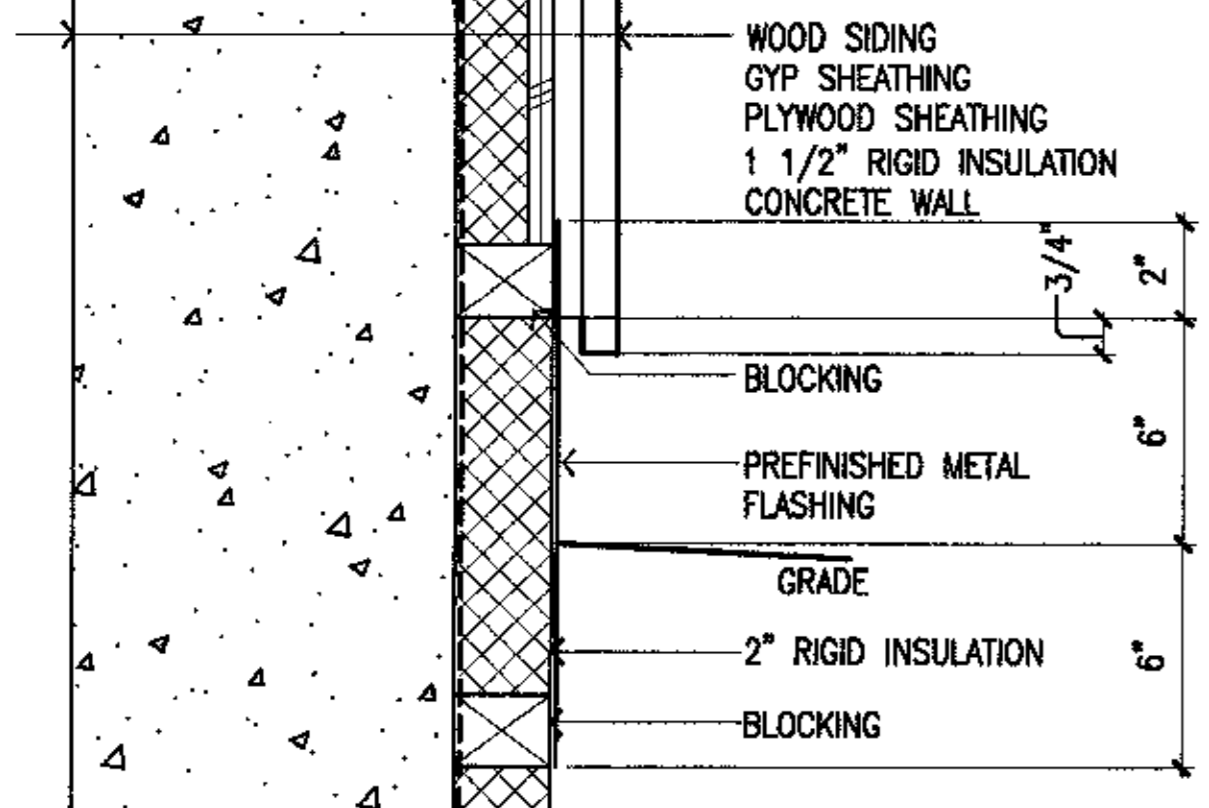
25 ELEVATION BETWEEN OUTRIGGERS
 SCALE: 1 1/2"=1'-0"



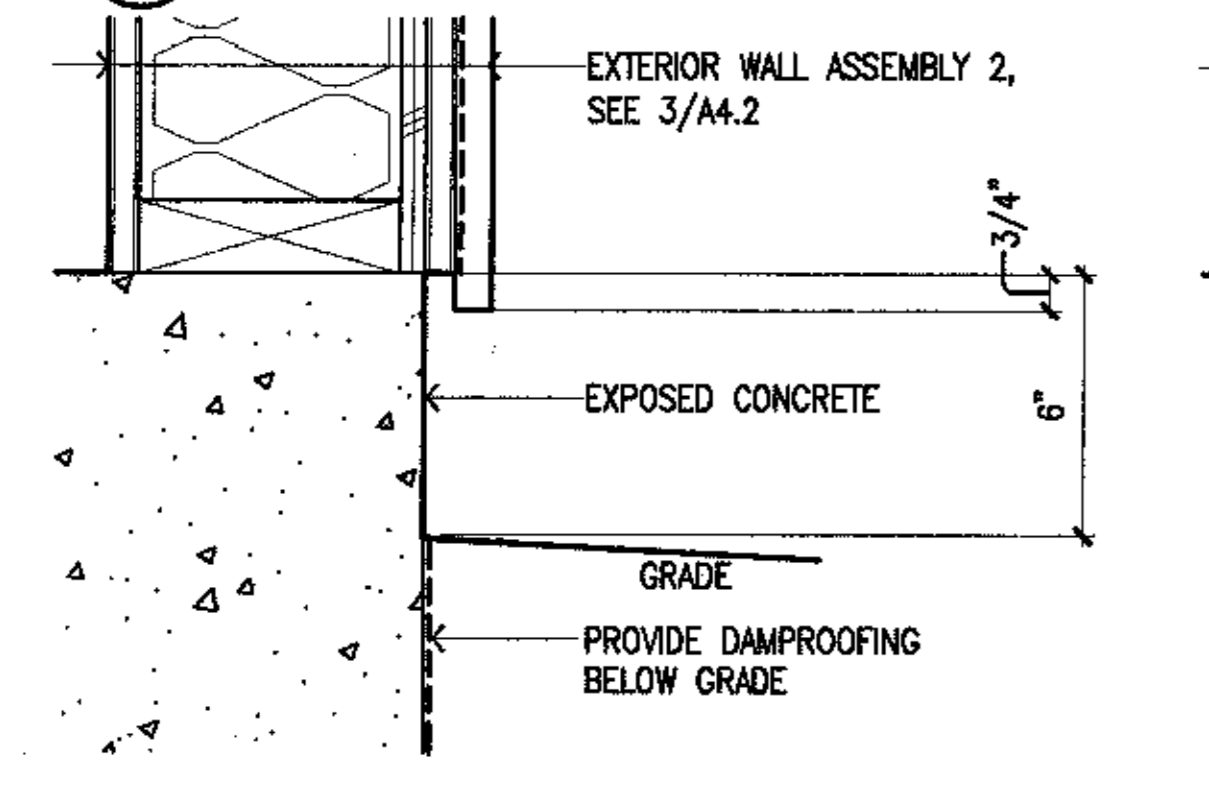
24 GRATE DETAIL
 SCALE: 3"=1'-0"



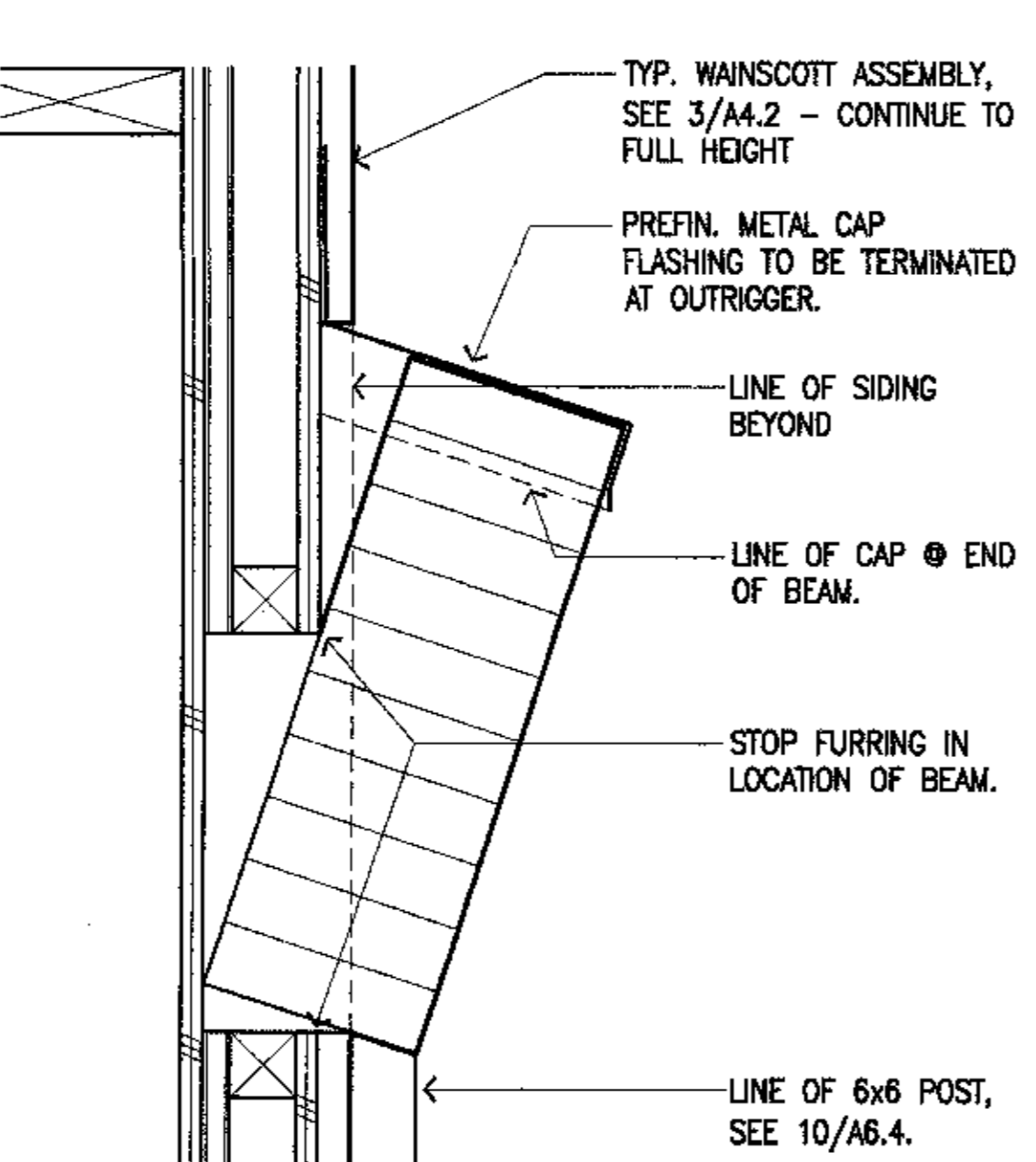
28 SHAFTWALL/CEILING
 SCALE: 1 1/2"=1'-0"



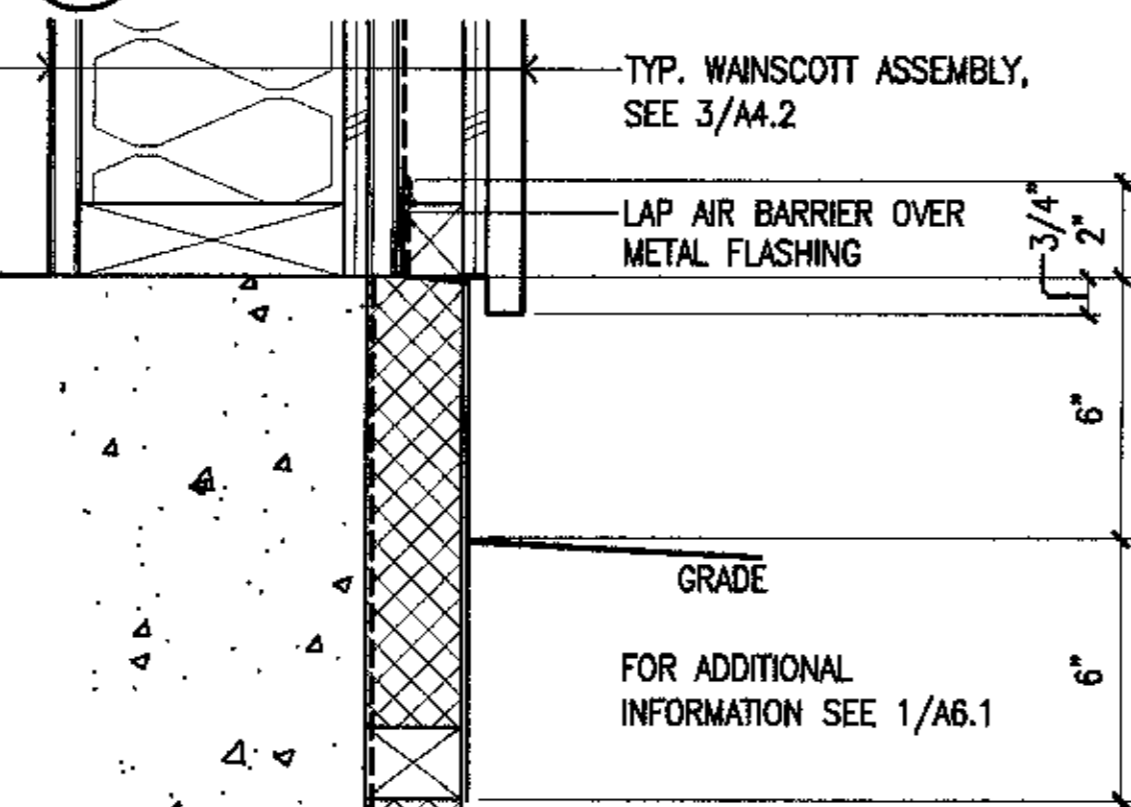
27 CONCRETE WALL @ GRADE
 SCALE: 3"=1'-0"



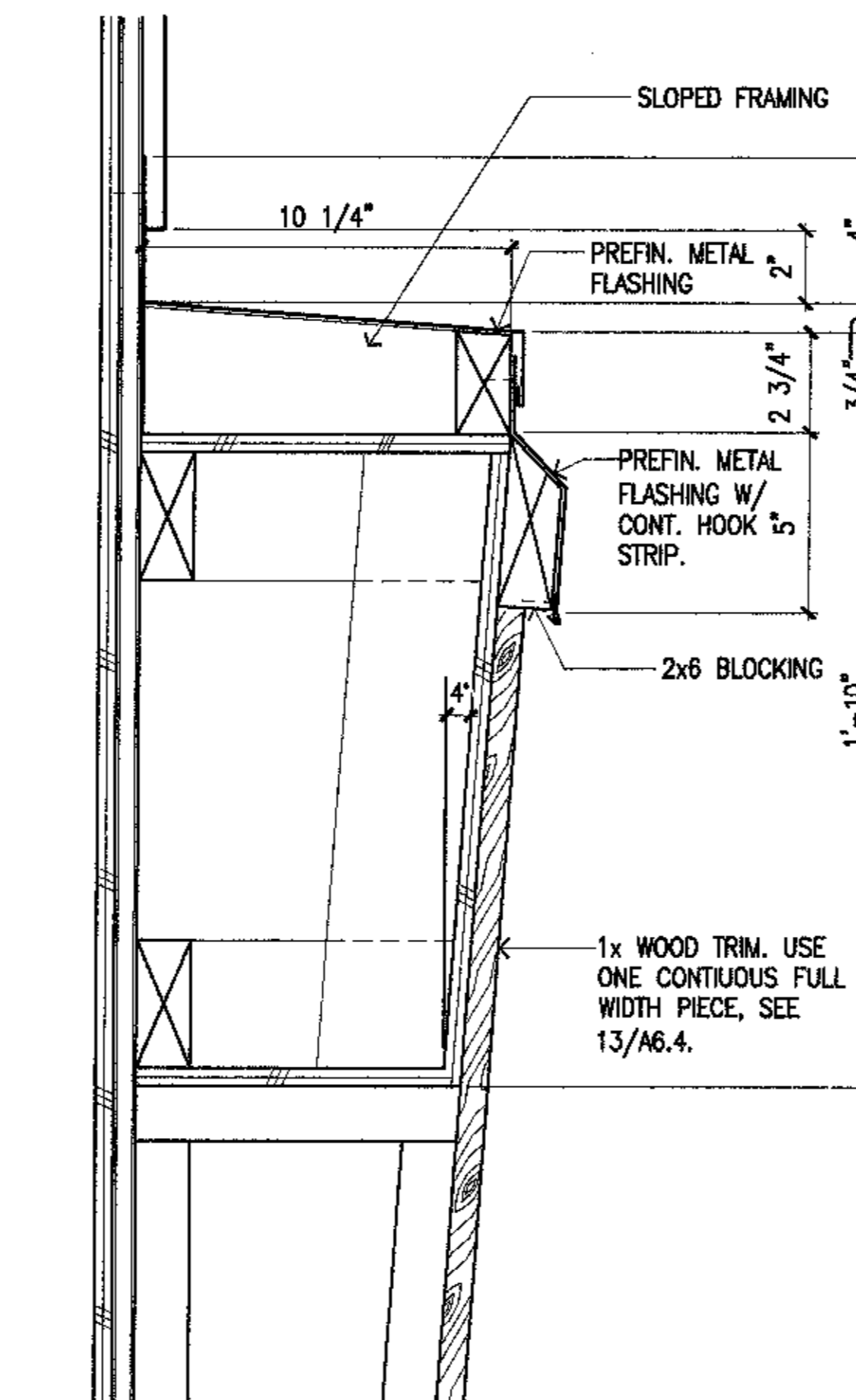
26 TYP. SILL DETAIL @ EXPOSED CONC.
 SCALE: 3"=1'-0"



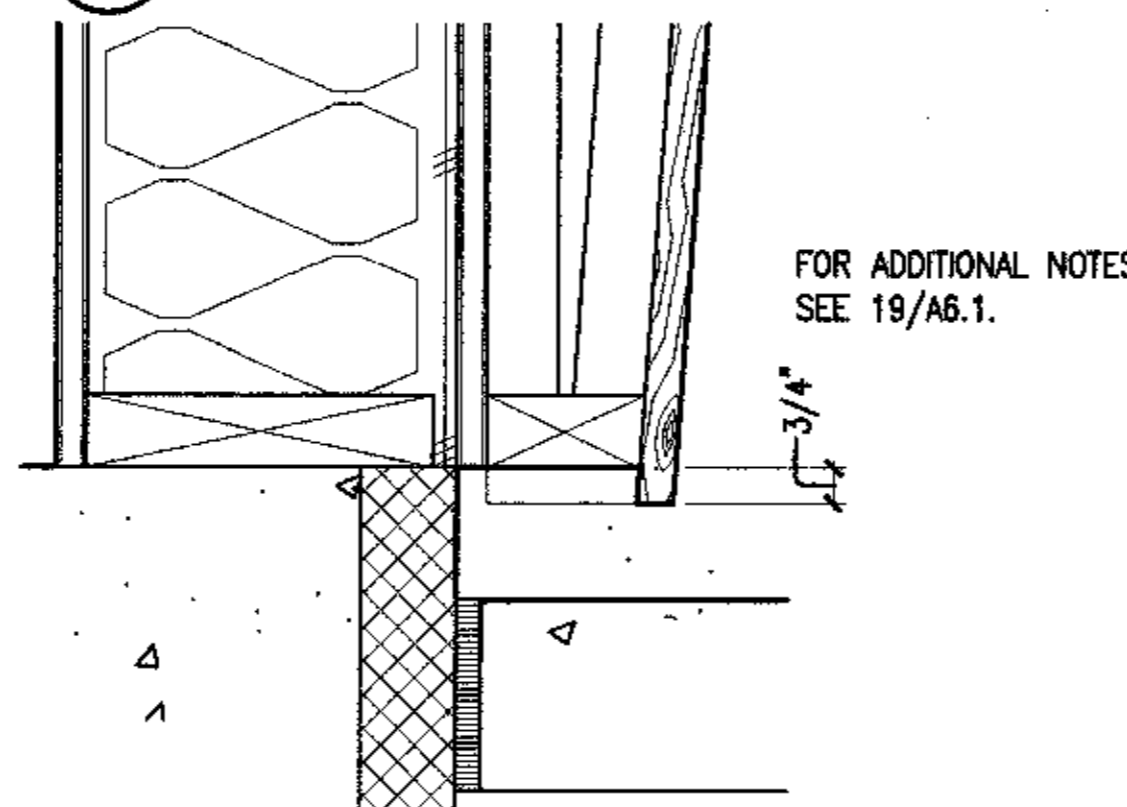
22 BEAM @ STUDIO WALL
 SCALE: 3"=1'-0"



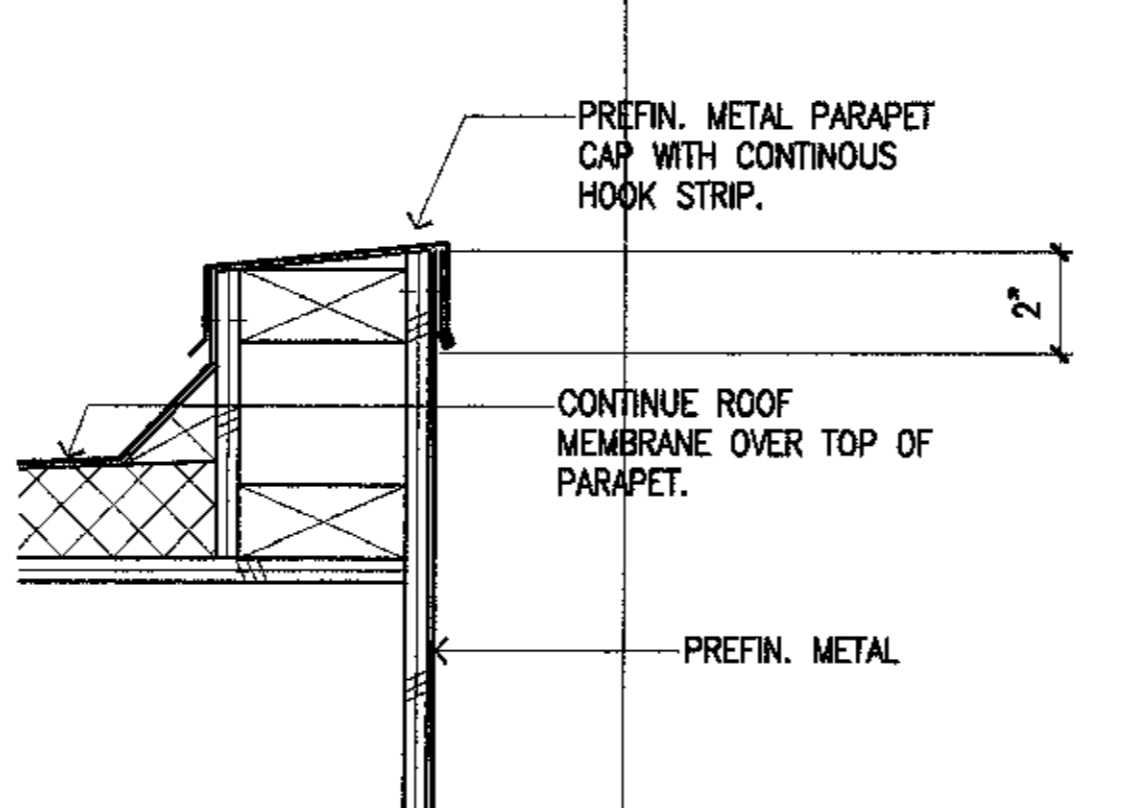
21 TYP. SILL DETAIL @ WAINSCOTT
 SCALE: 3"=1'-0"



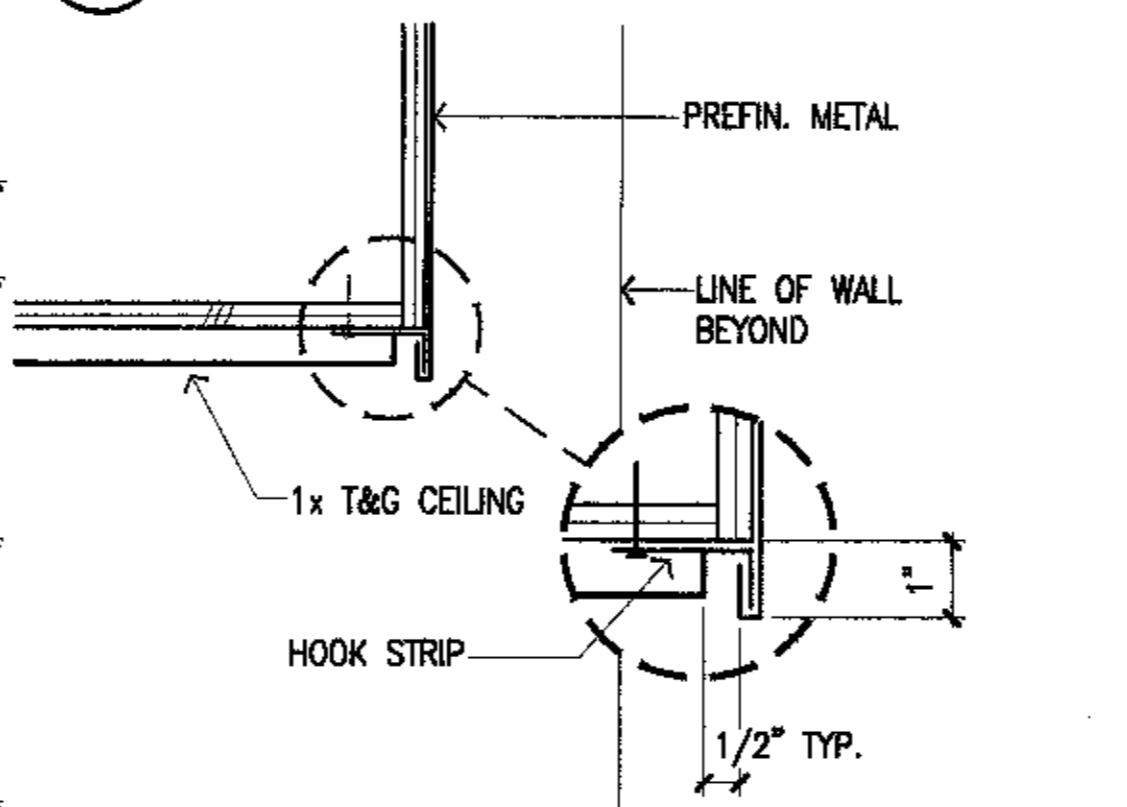
19 TICKET WINDOW WING
 SCALE: 3"=1'-0"



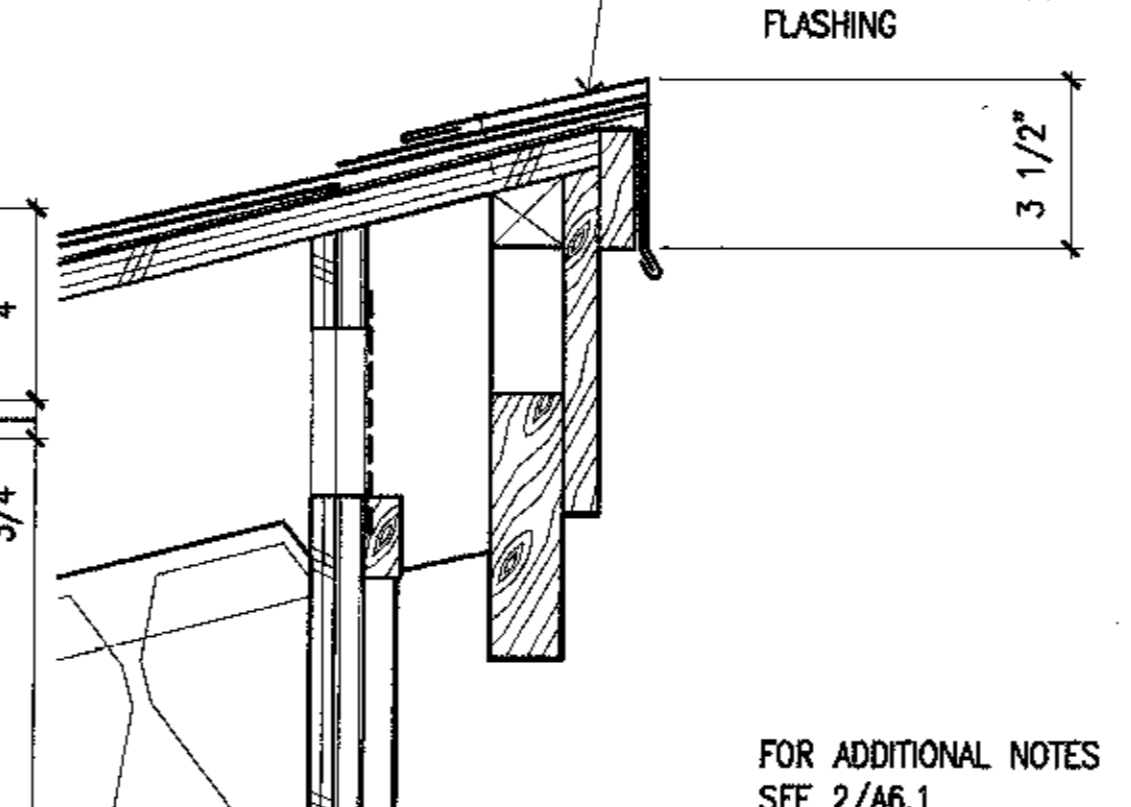
18 TICKET WINDOW WING
 SCALE: 3"=1'-0"



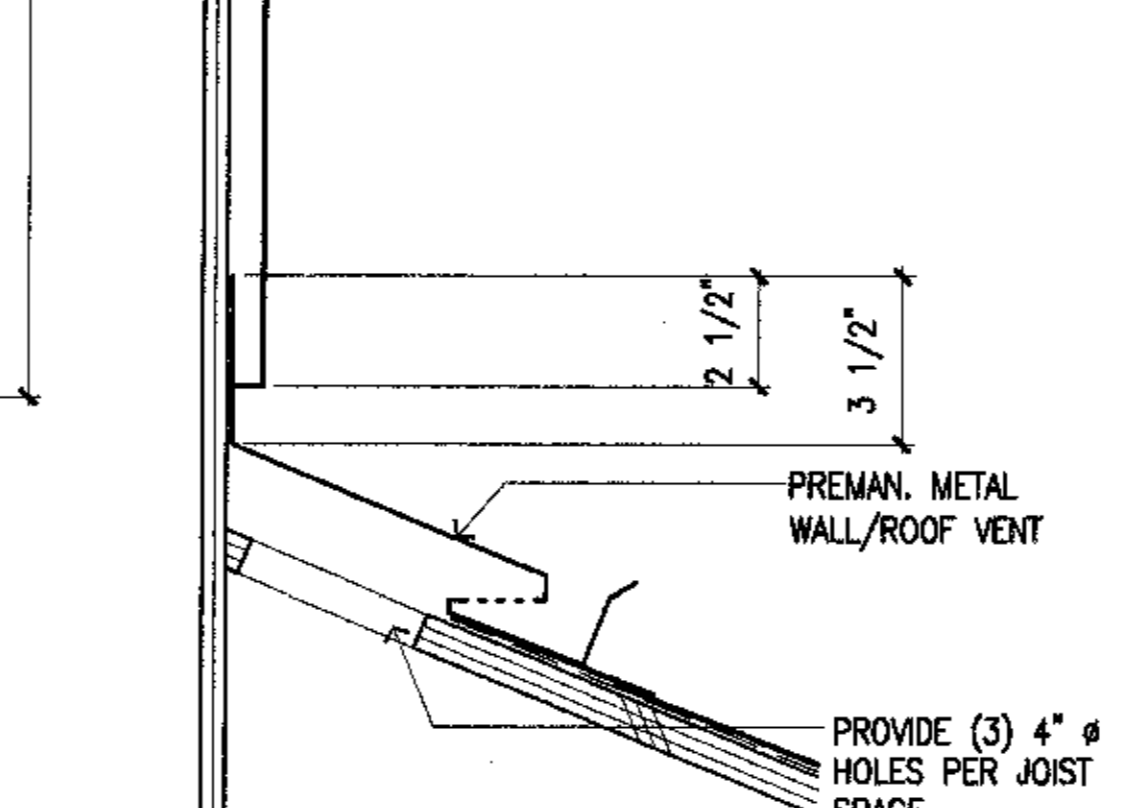
17 ENTRY CANOPY PARAPET
 SCALE: 3"=1'-0"



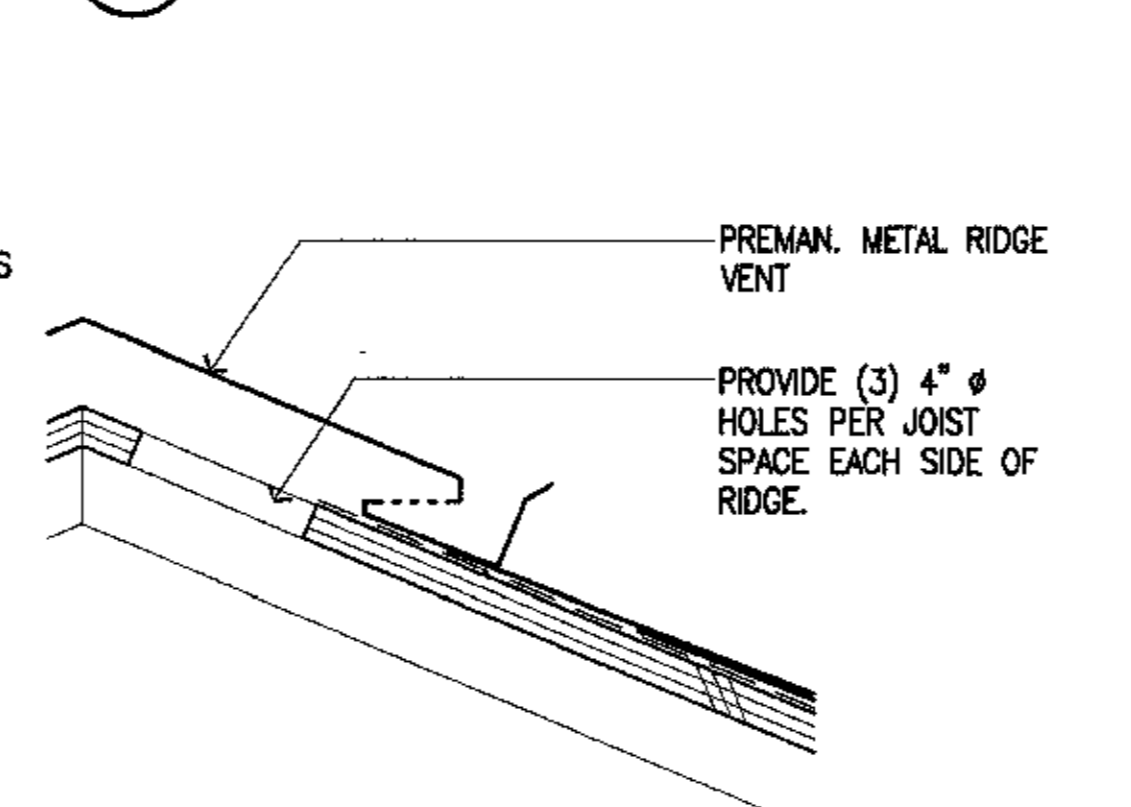
16 ENTRY CANOPY DRIP
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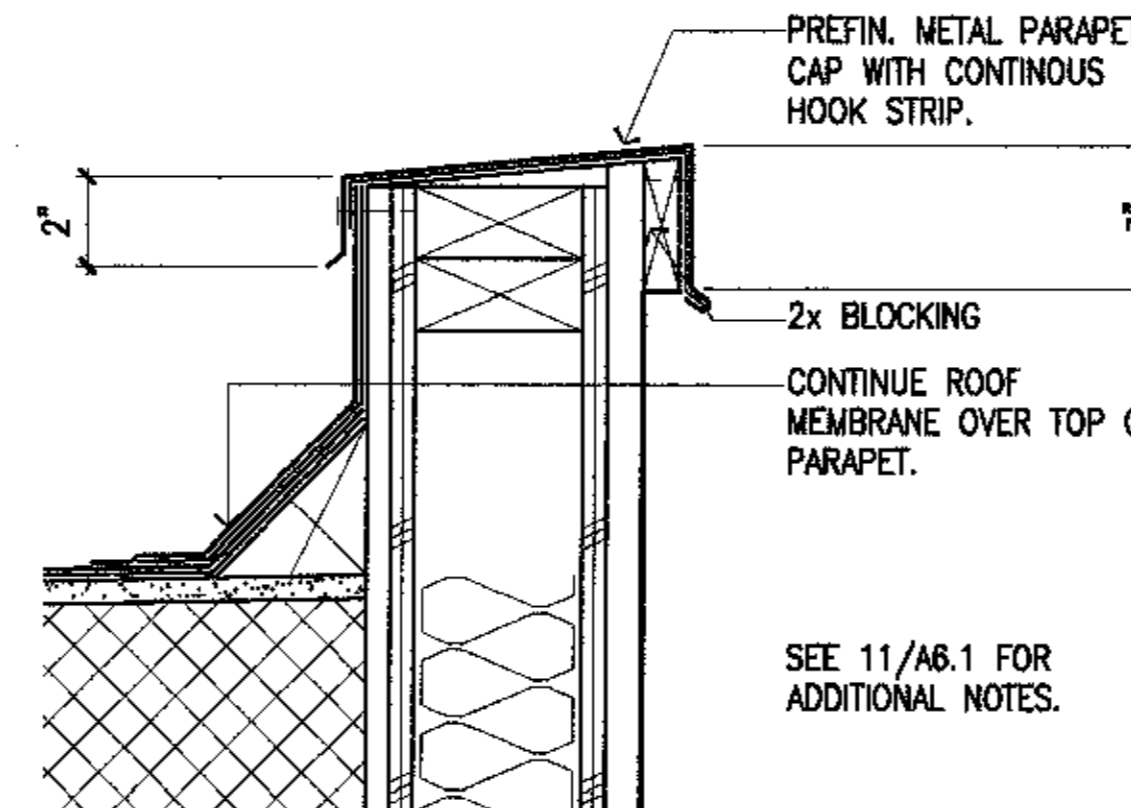
15 PEAK DETAIL
 SCALE: 3"=1'-0"



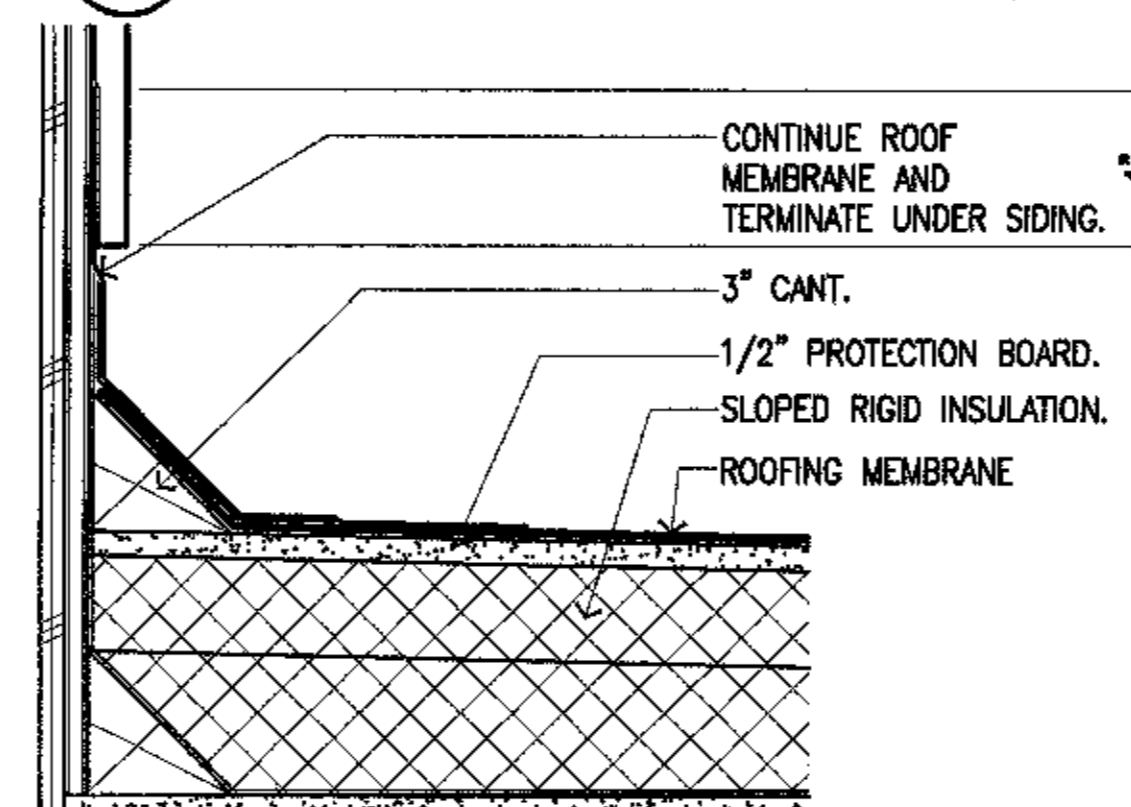
14 ROOF/WALL VENT
 SCALE: 3"=1'-0"



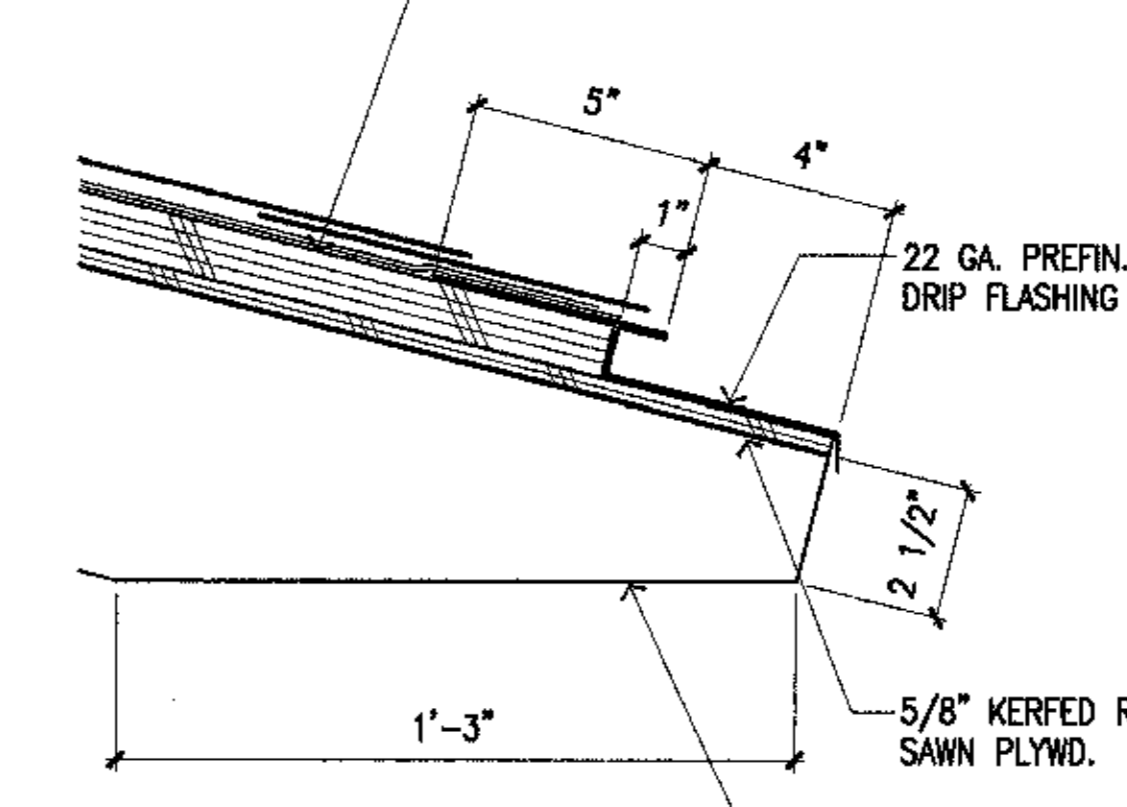
13 RIDGE VENT
 SCALE: 3"=1'-0"



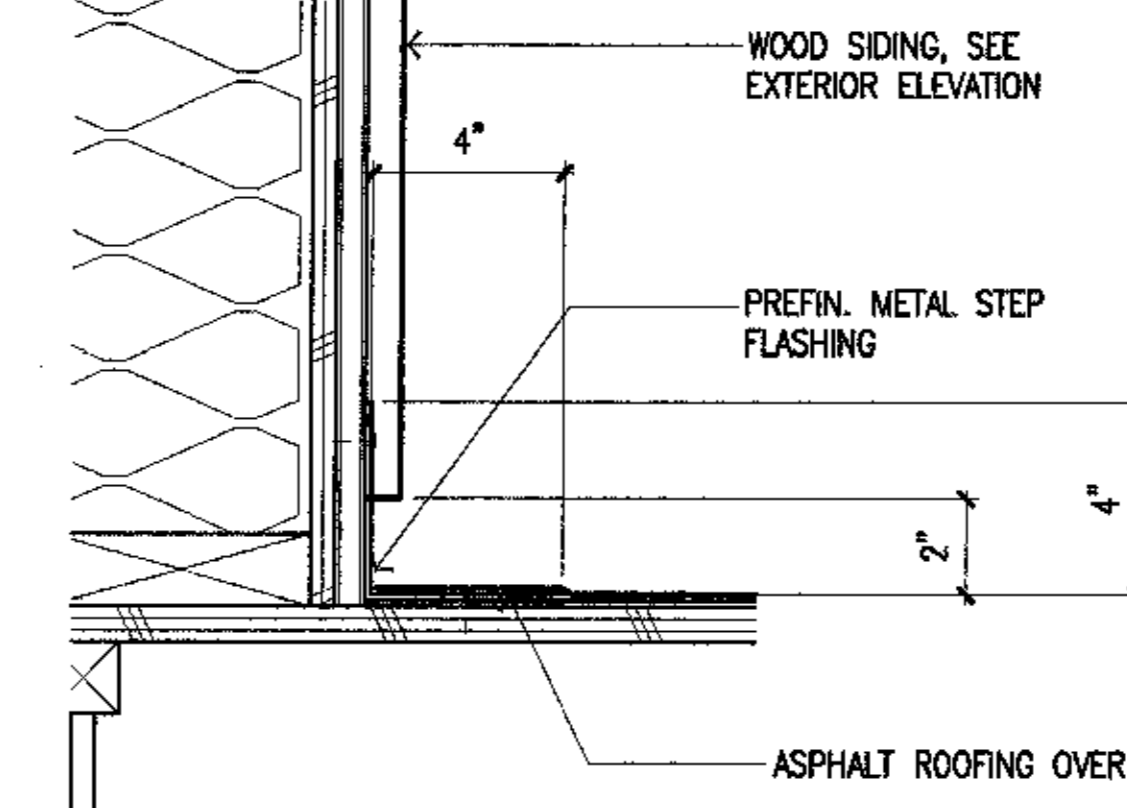
12 TYP. PARAPET
 SCALE: 3"=1'-0"



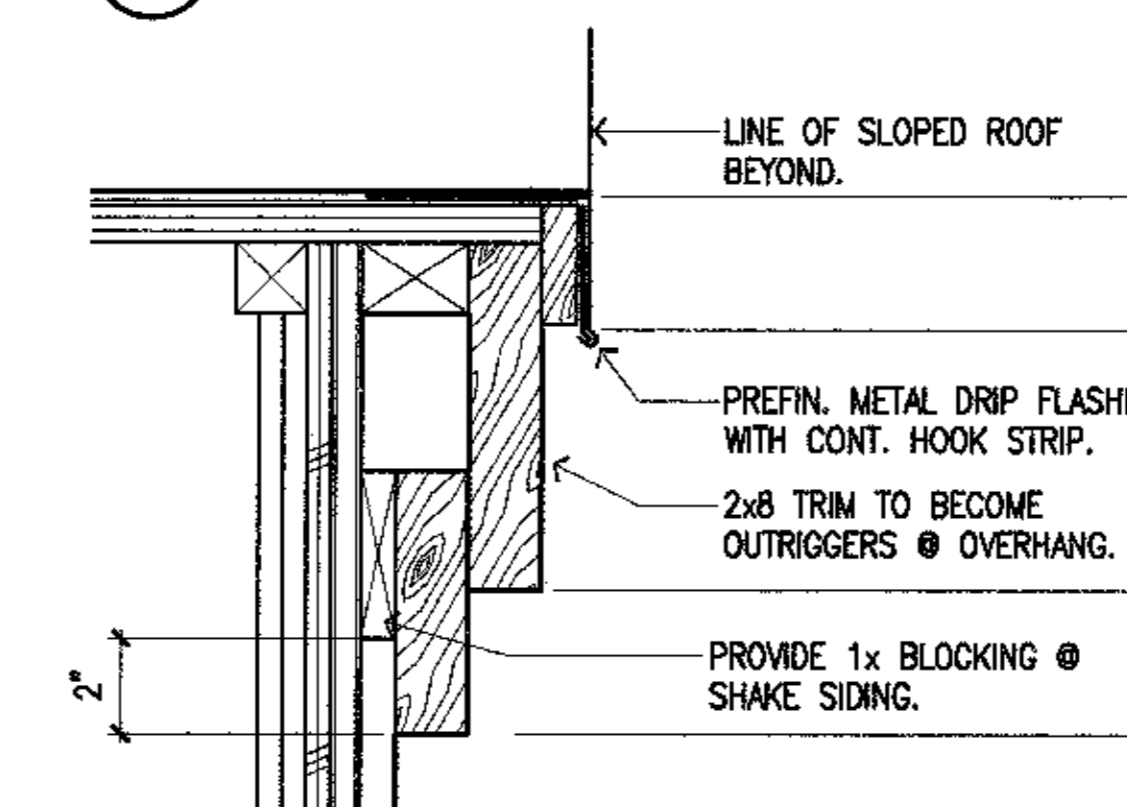
11 FLASHING @ FLAT ROOF/WALL
 SCALE: 3"=1'-0"



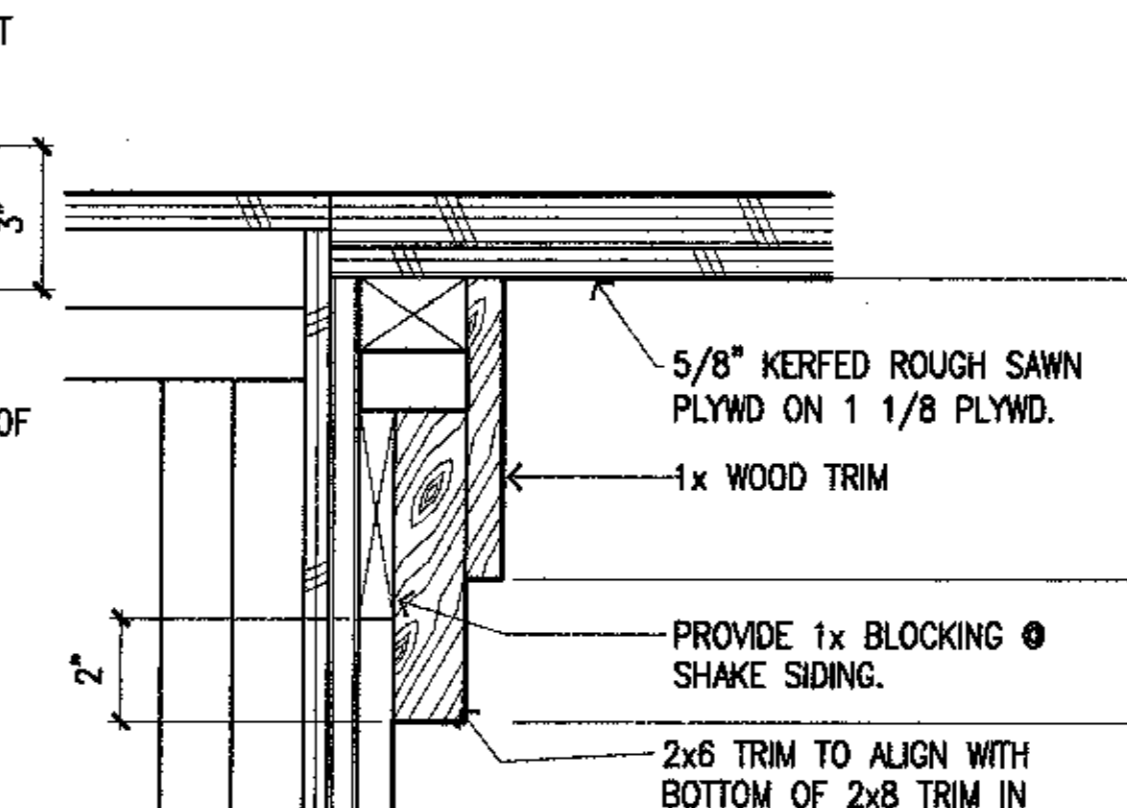
10 EAVE
 SCALE: 3"=1'-0"



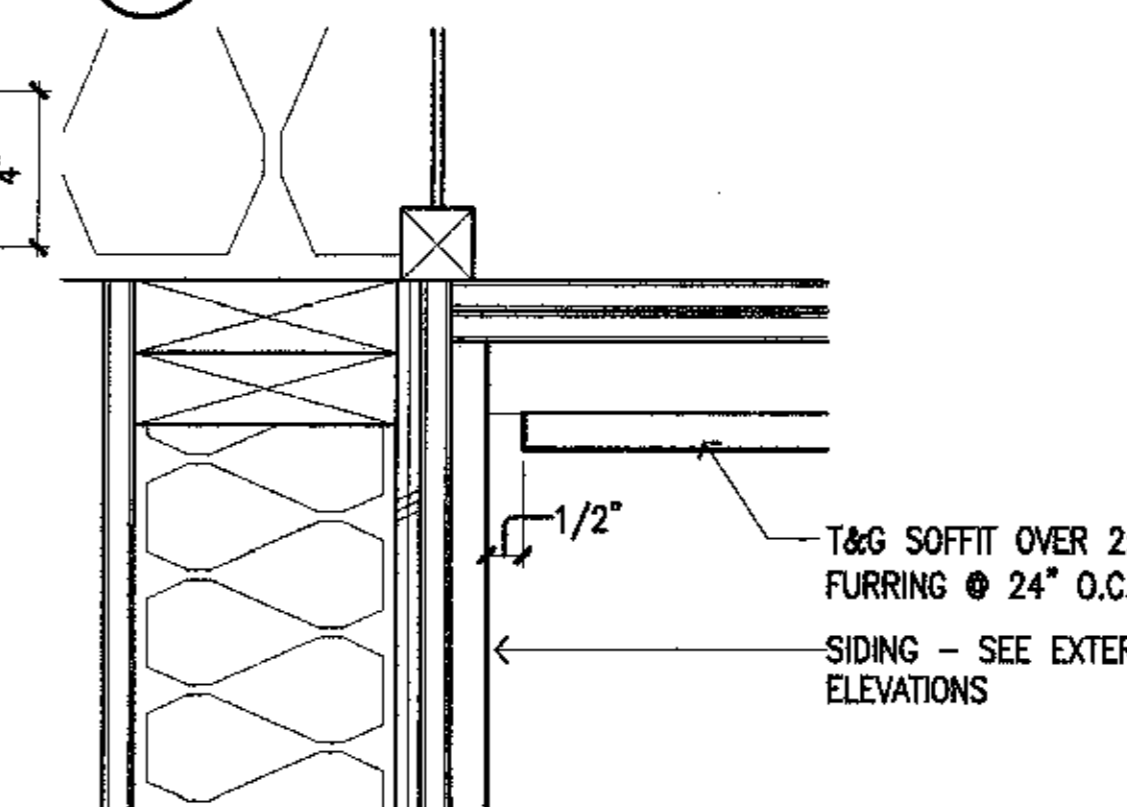
9 FLASHING @ SLOPED ROOF/WALL
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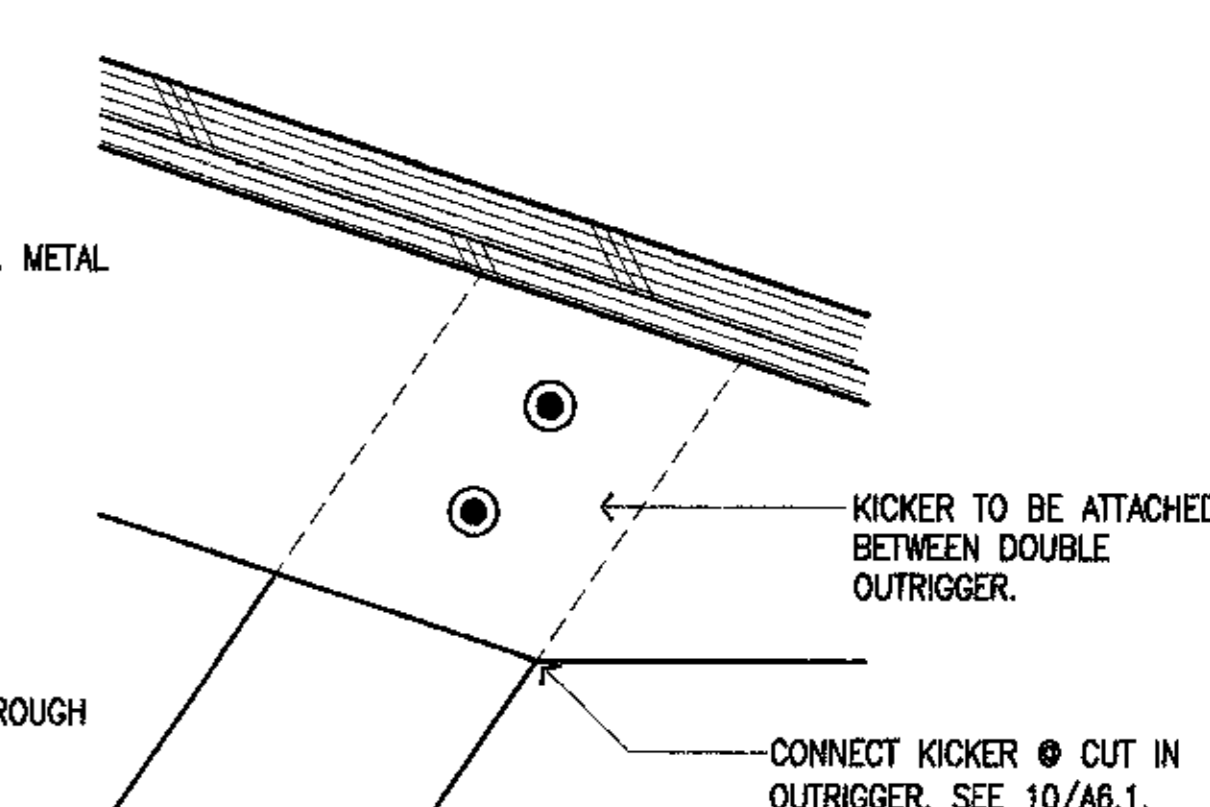
8 TRIM @ ROOF
 SCALE: 3"=1'-0"



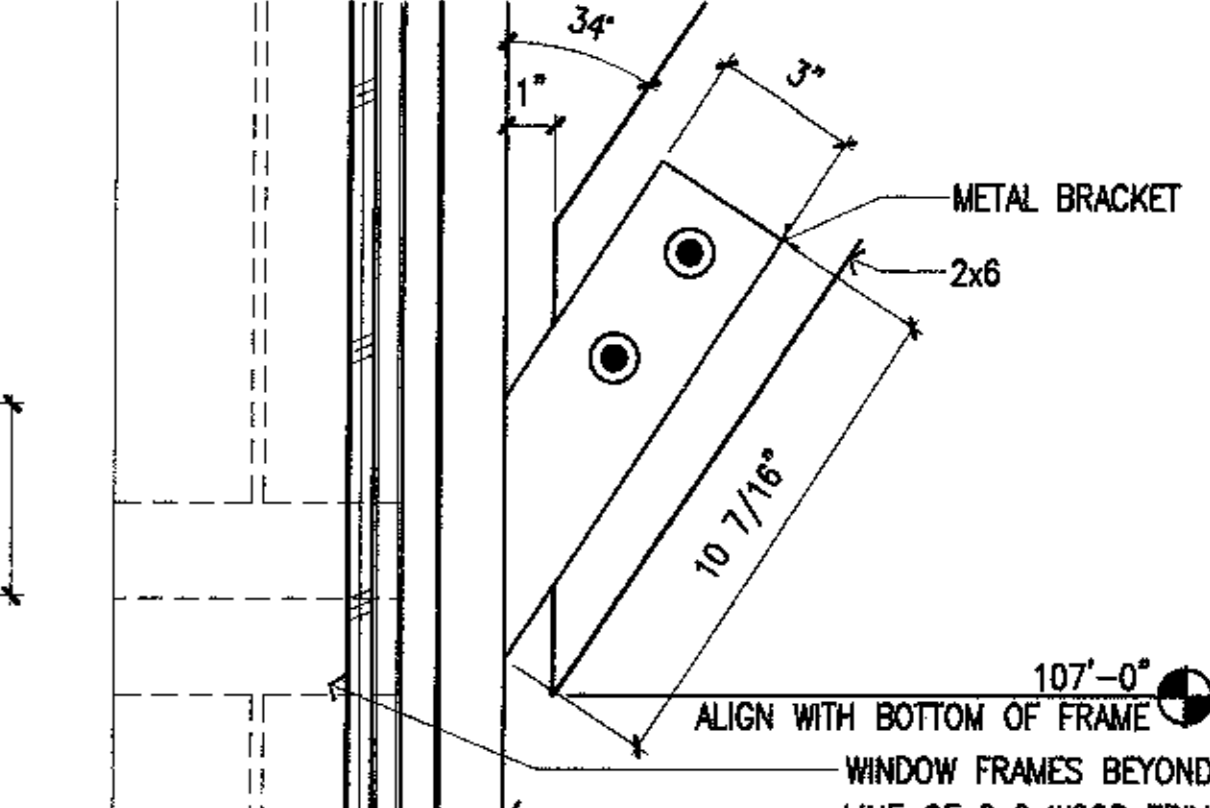
7 WALL/CEILING @ EAVE
 SCALE: 3"=1'-0"



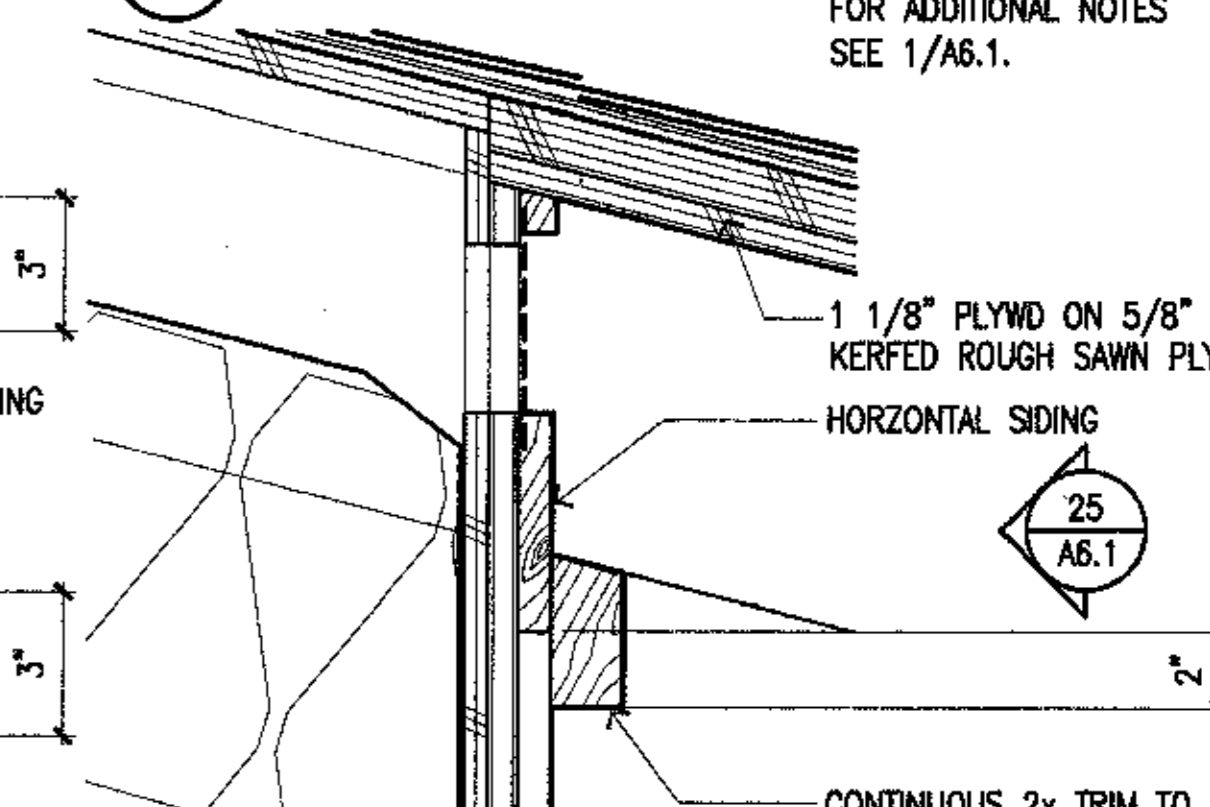
6 WALL/CEILING
 SCALE: 3"=1'-0"



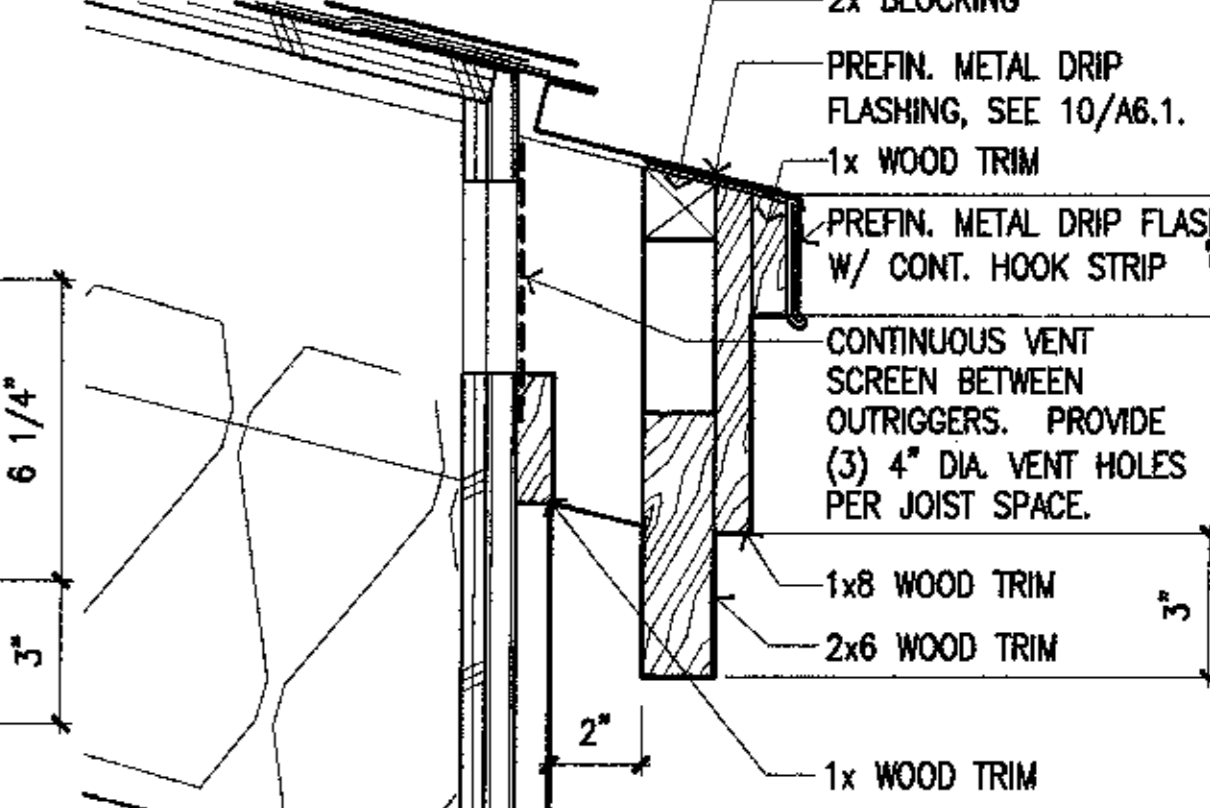
5 KICKER @ OUTRIGGER
 SCALE: 3"=1'-0"



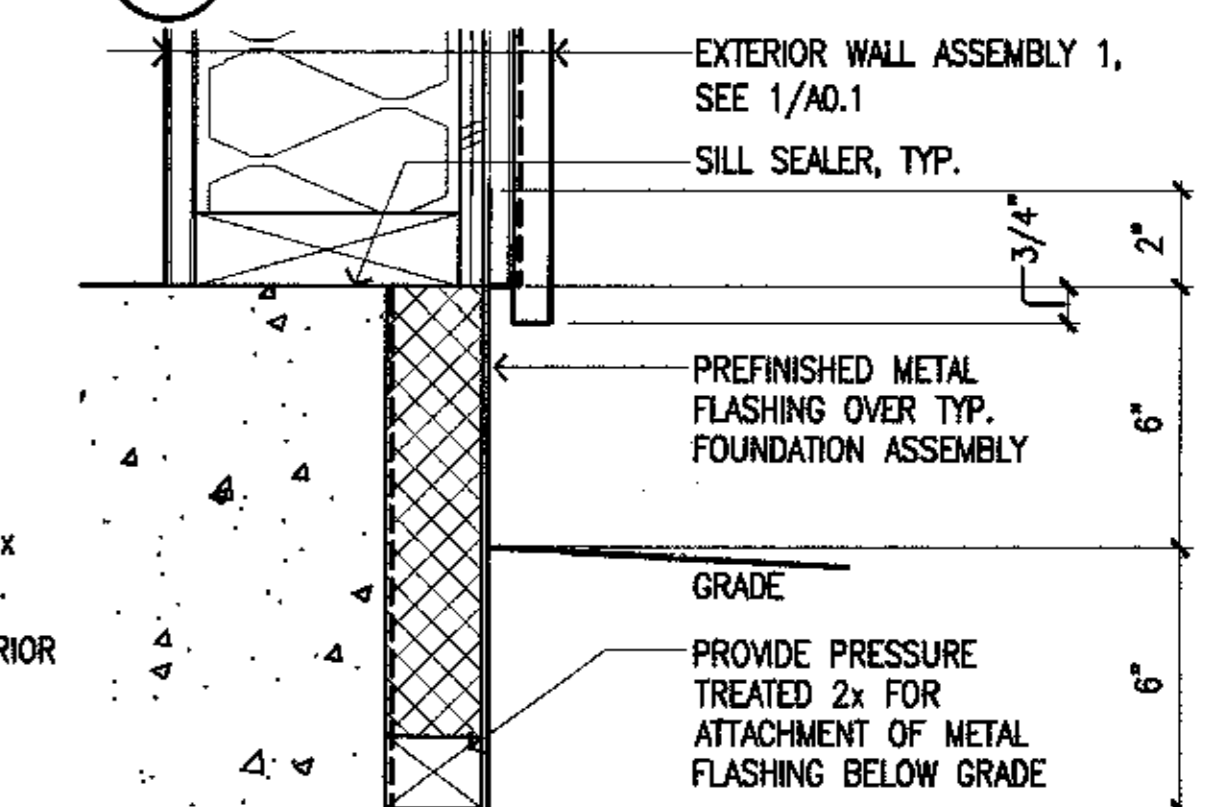
4 KICKER @ WALL
 SCALE: 3"=1'-0"



3 EAVE
 SCALE: 3"=1'-0"



2 EAVE
 SCALE: 3"=1'-0"



1 TYP. SILL DETAIL @ WALL TYPE 1
 SCALE: 3"=1'-0"



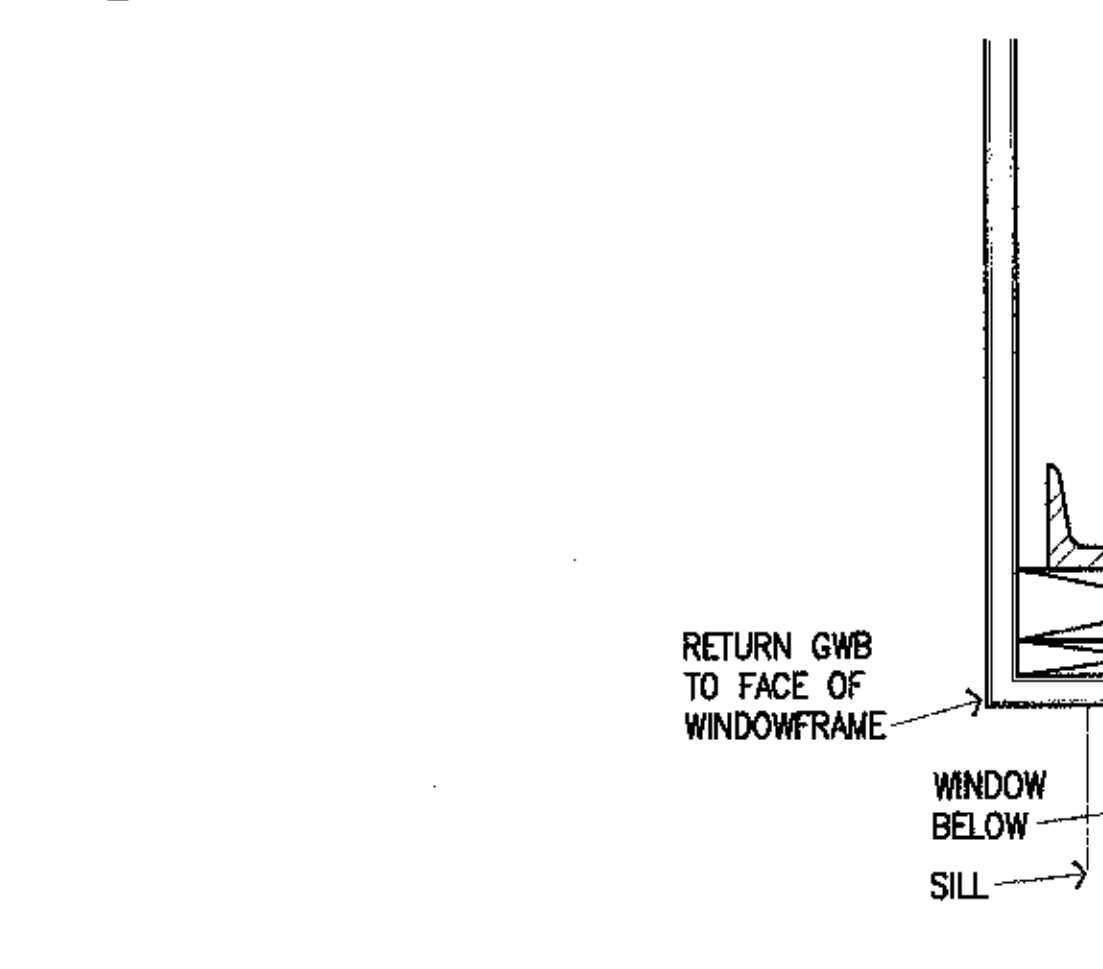
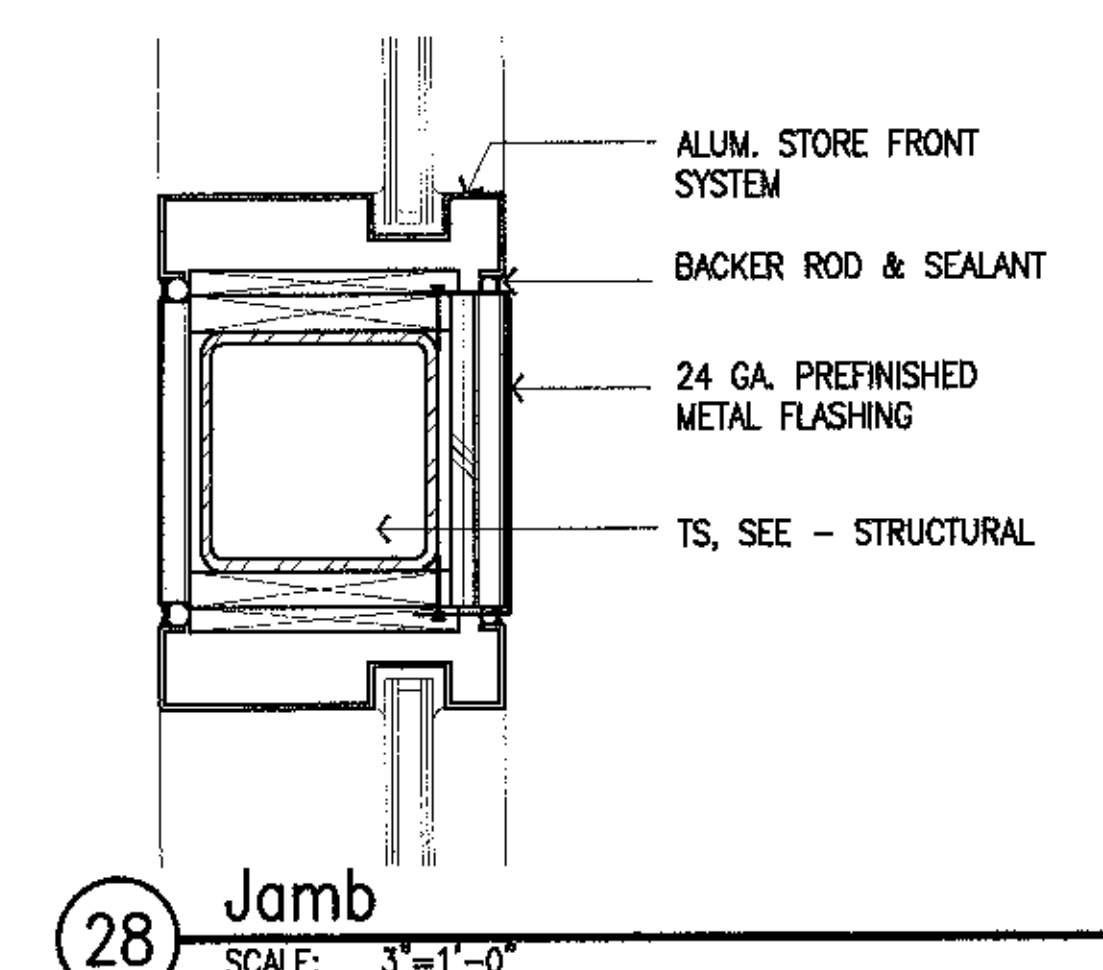
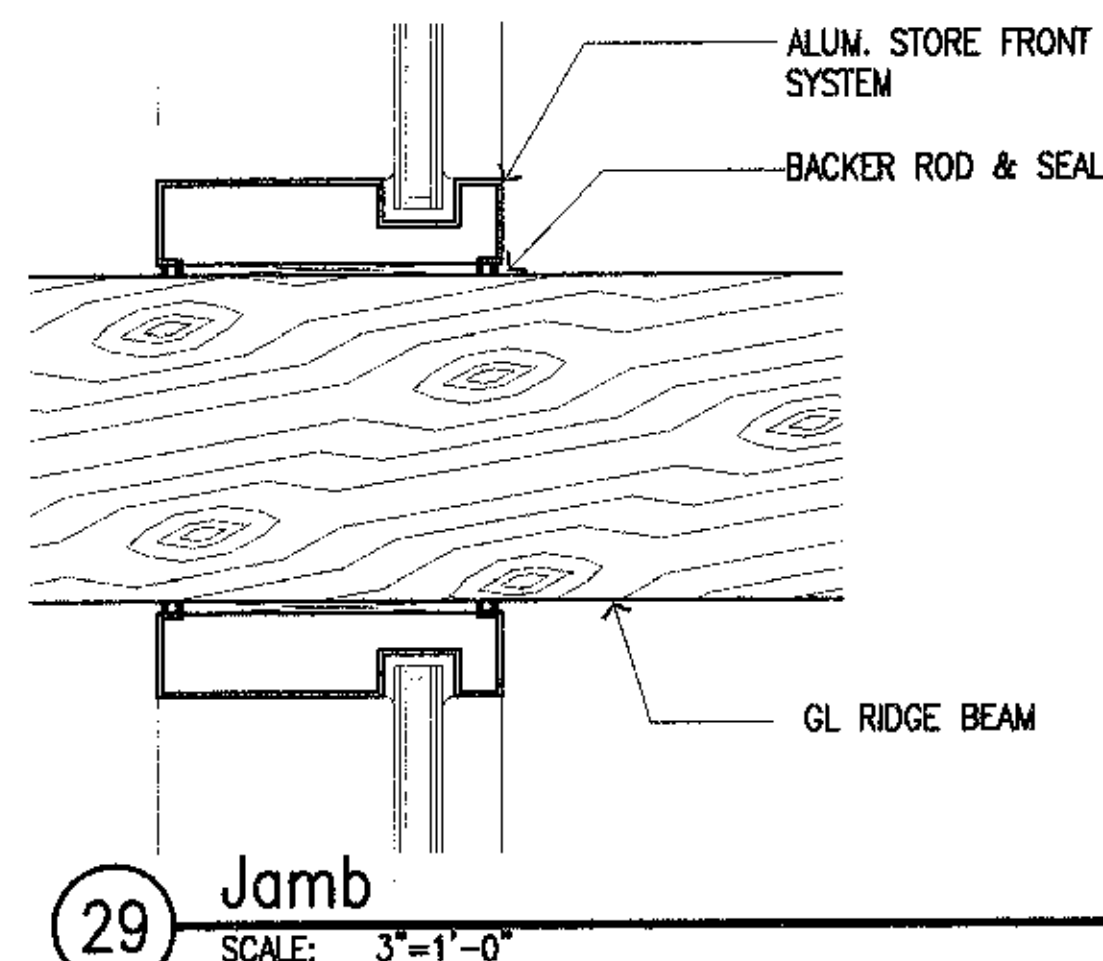
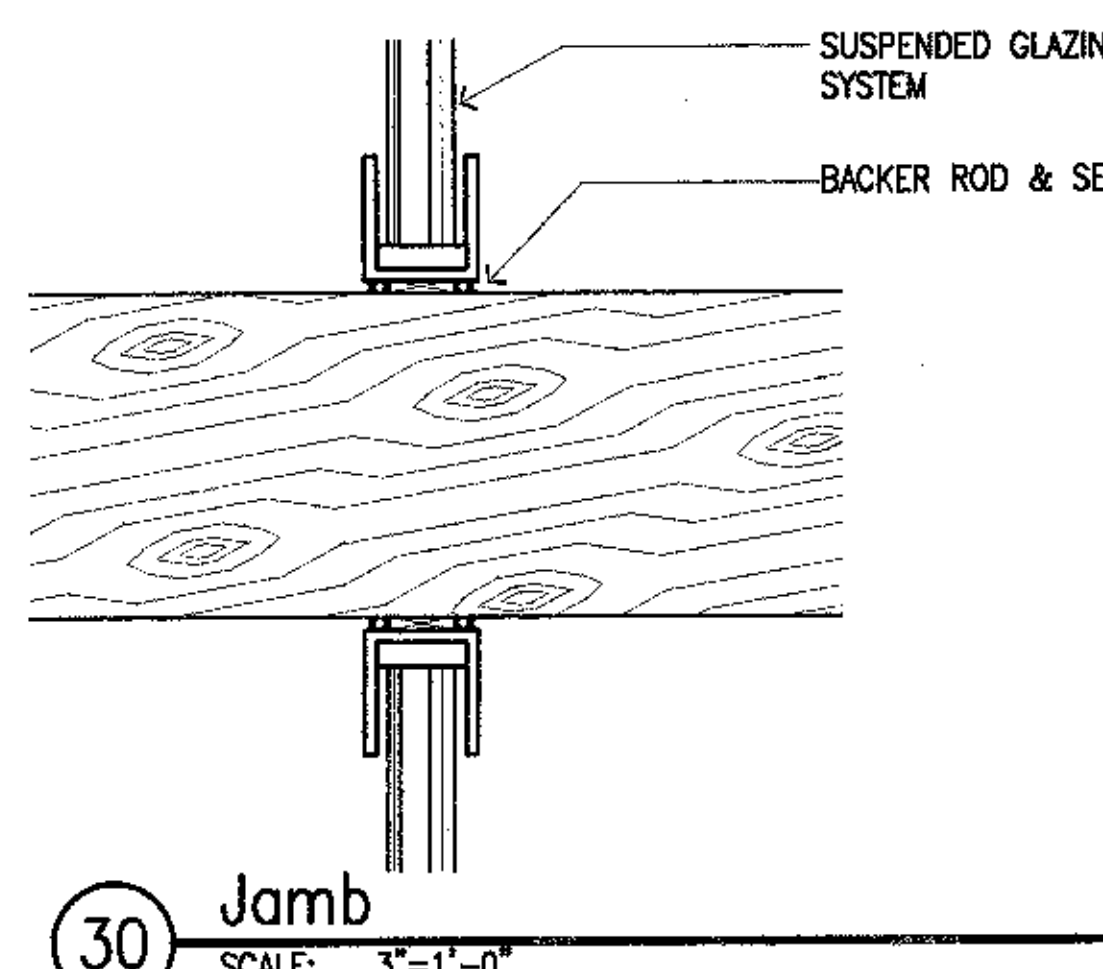
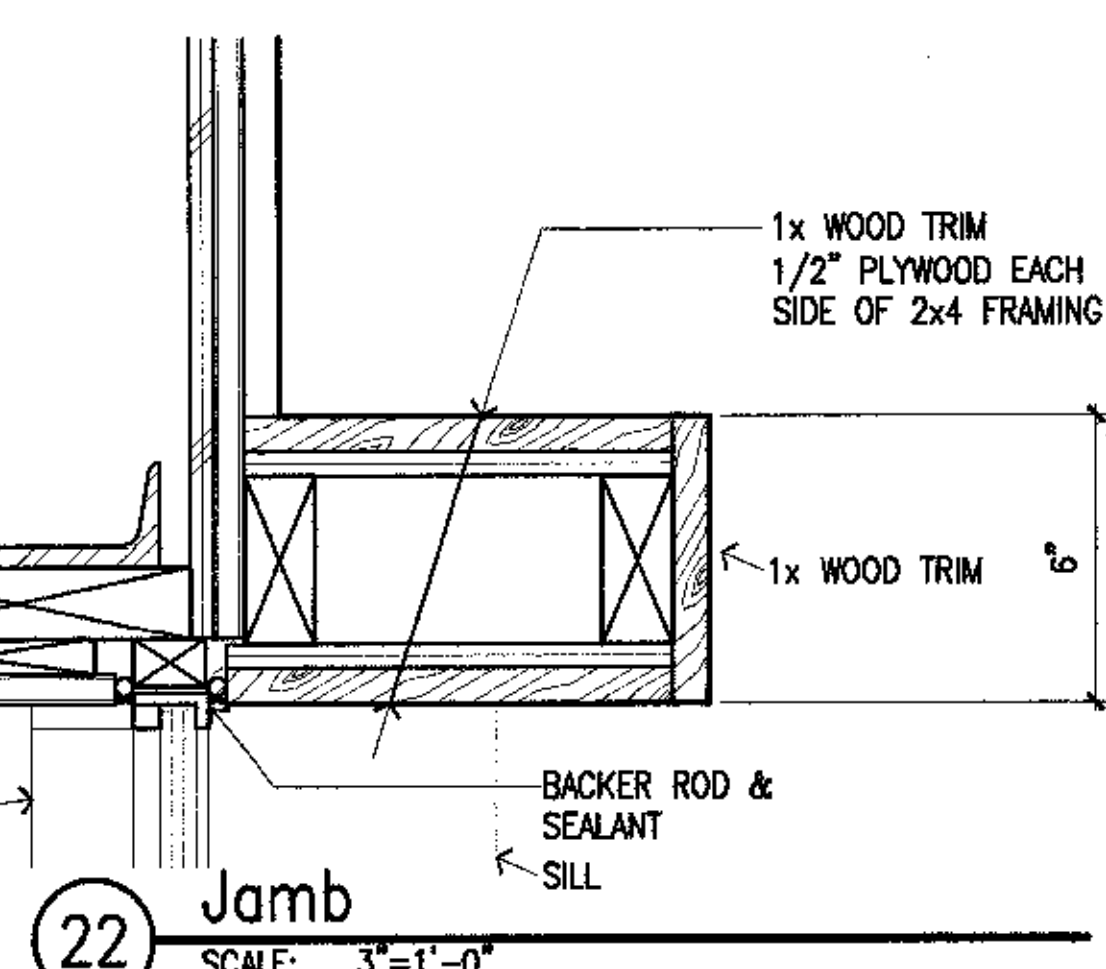
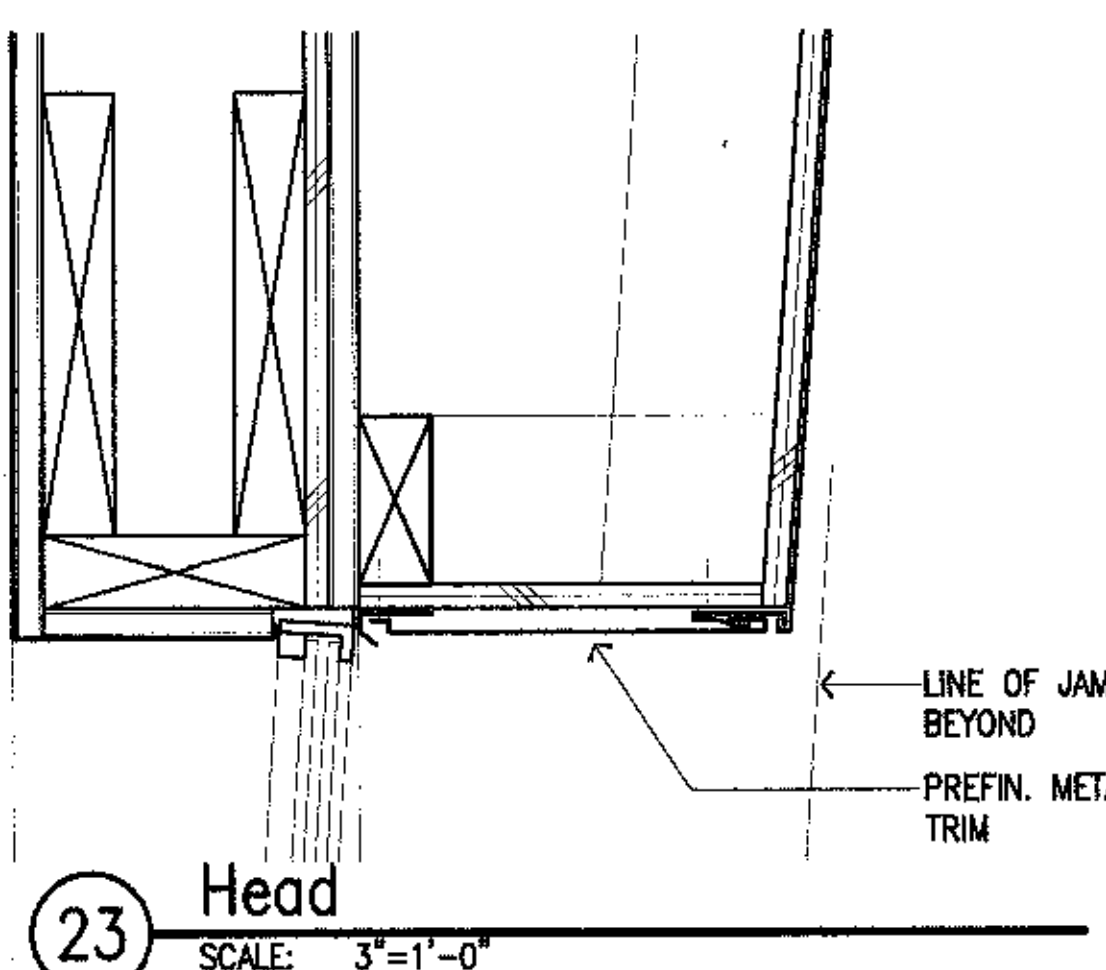
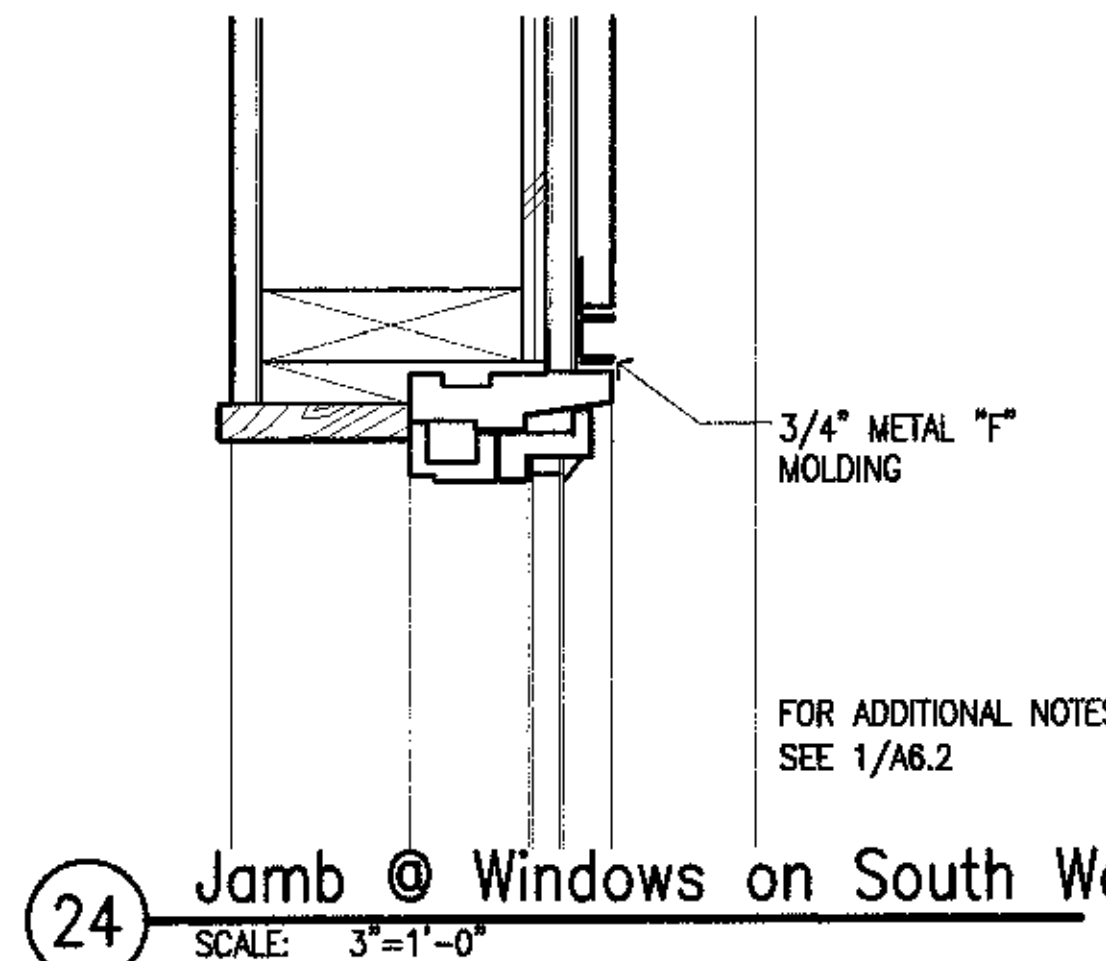
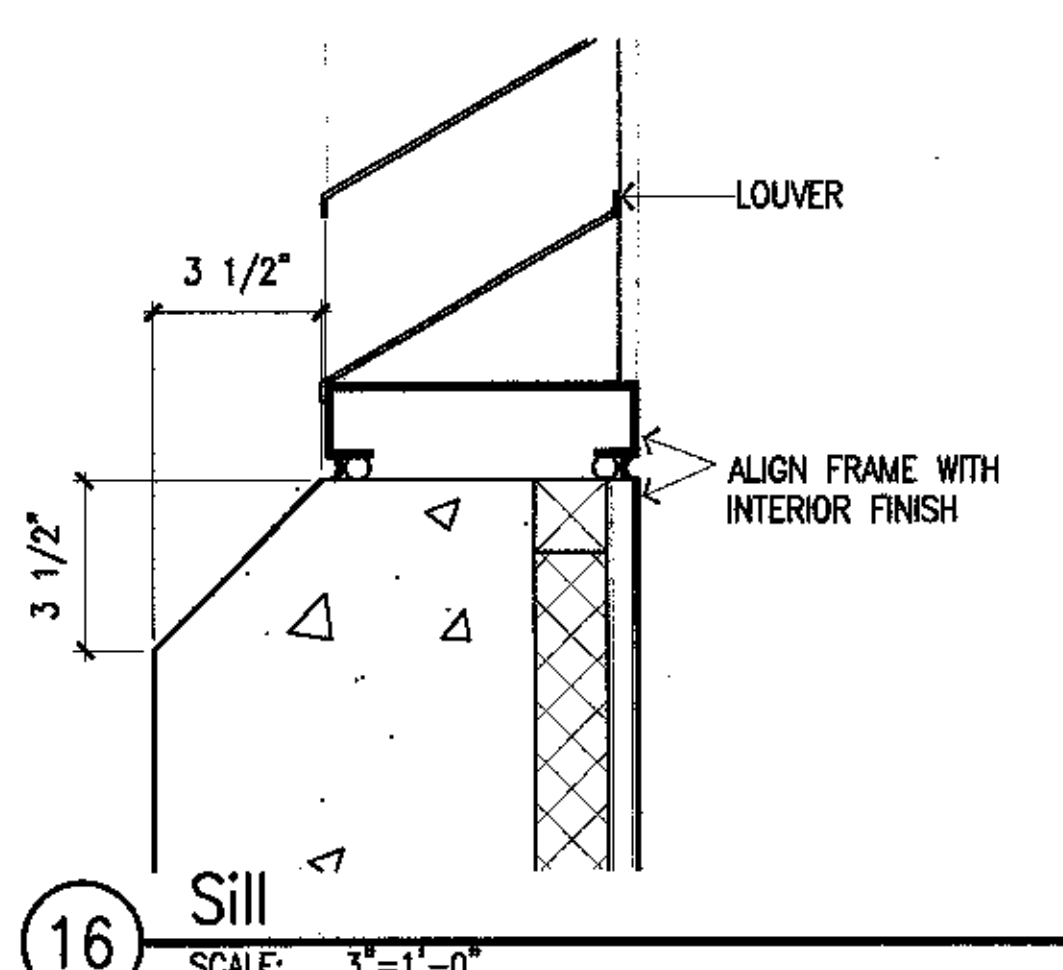
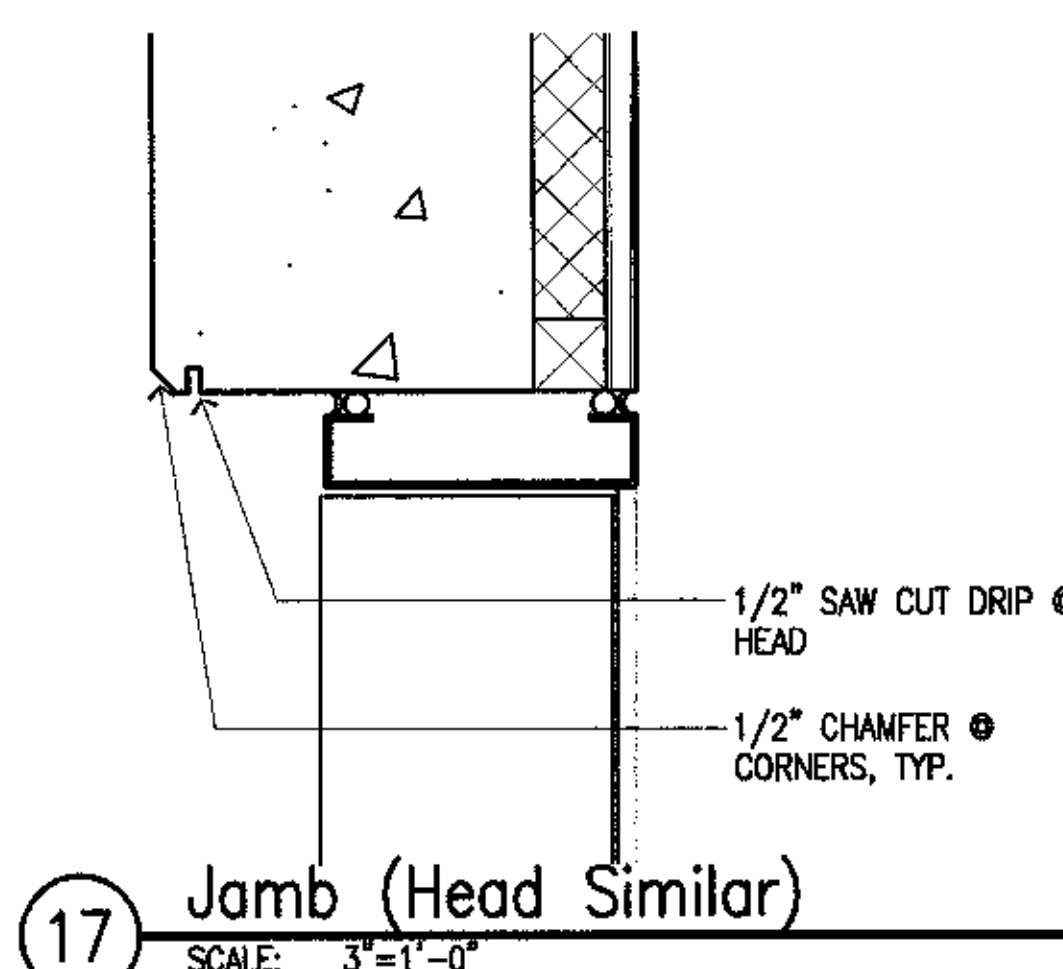
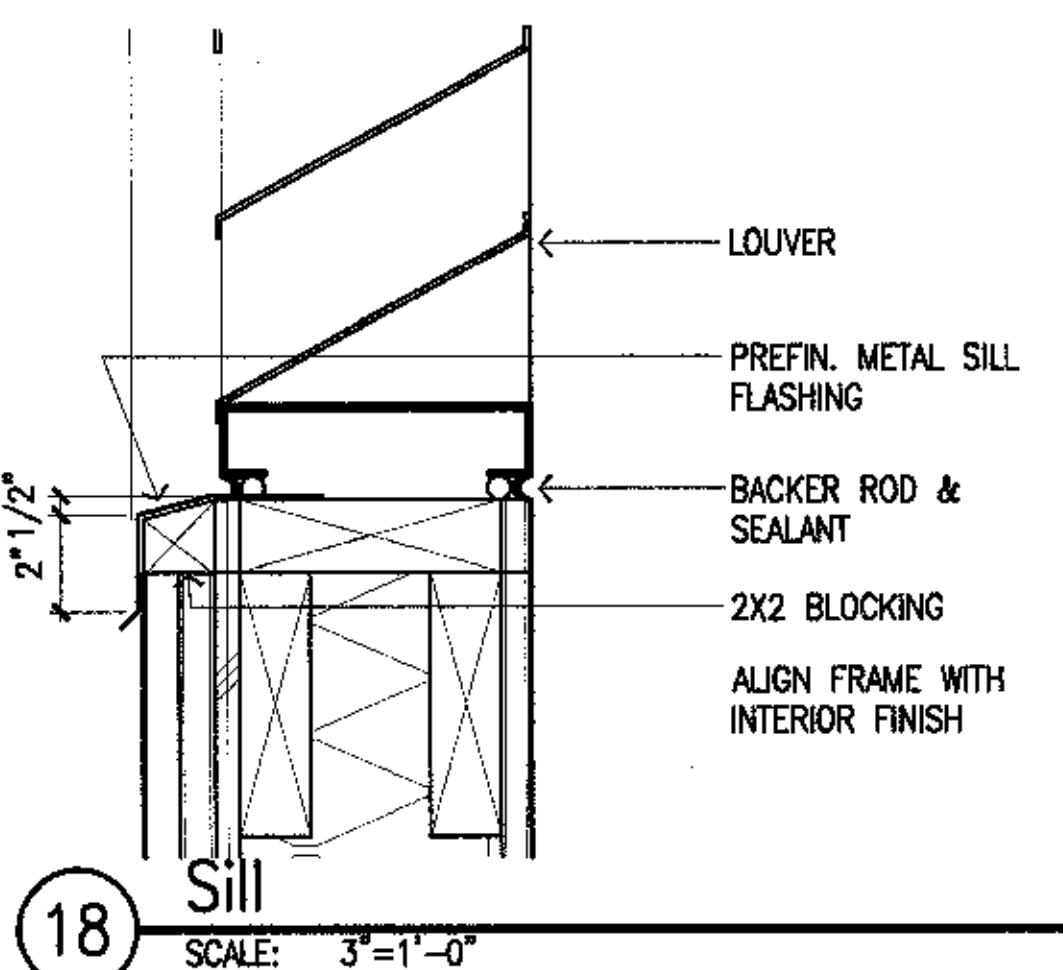
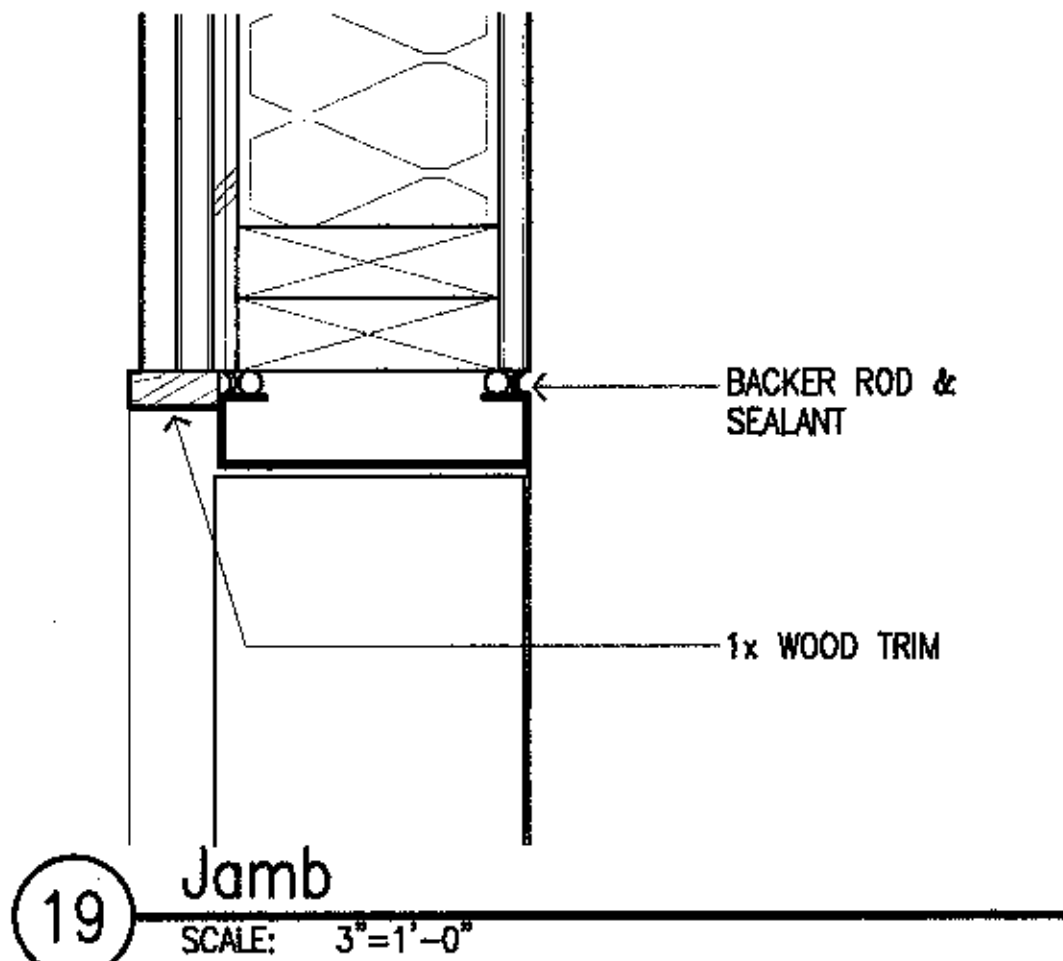
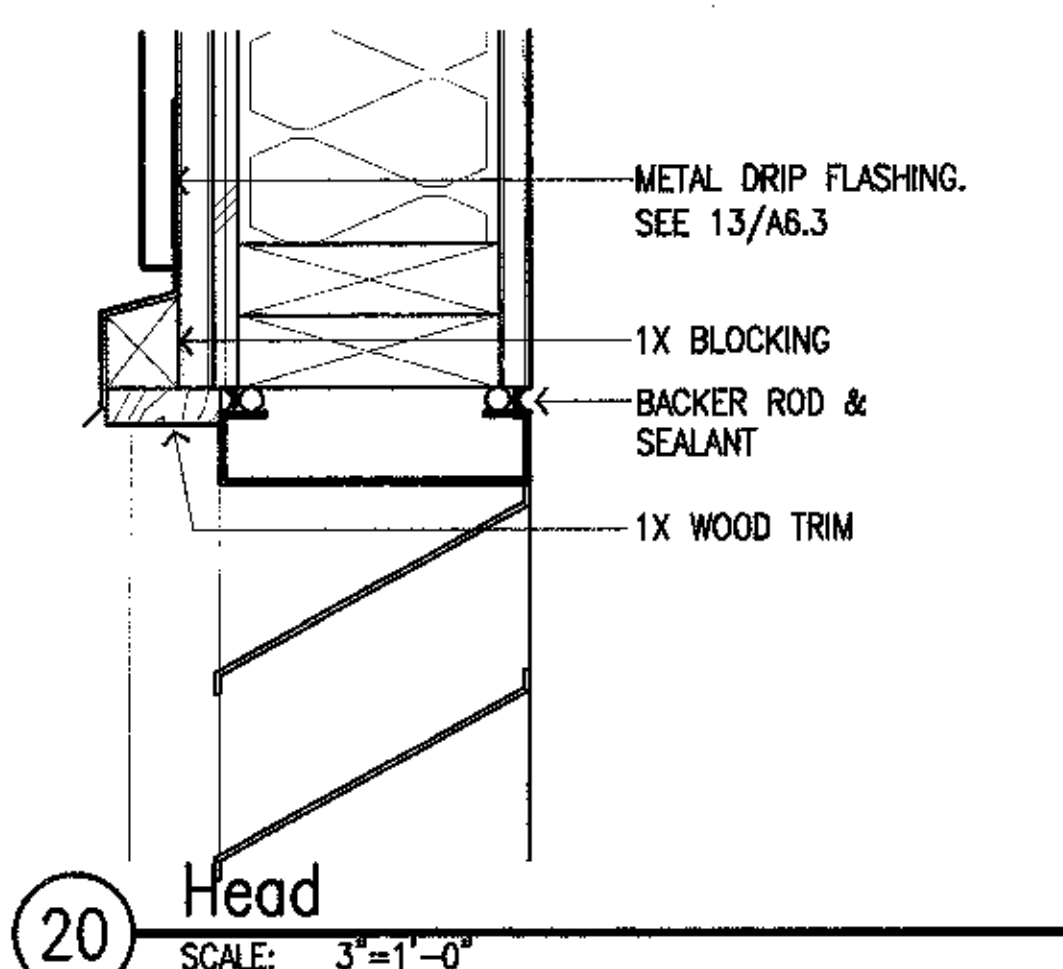
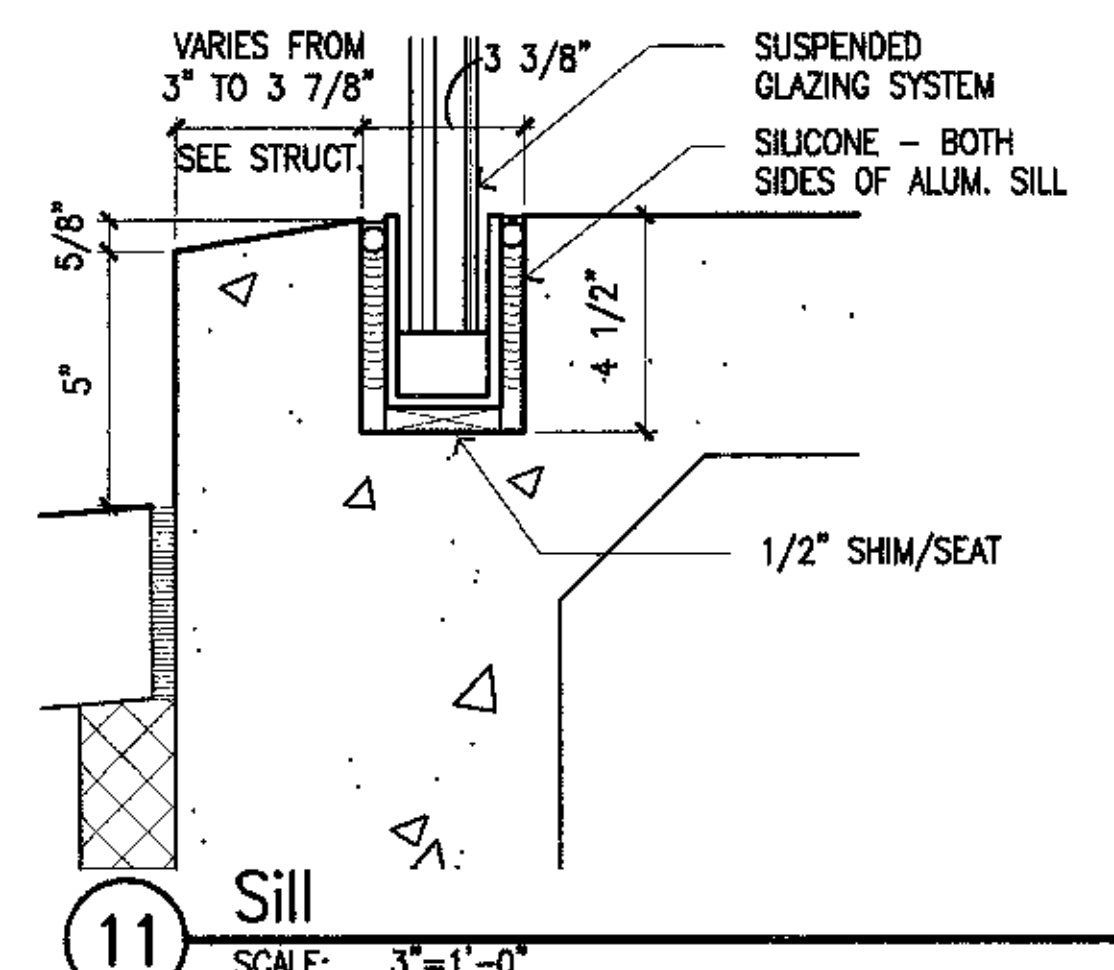
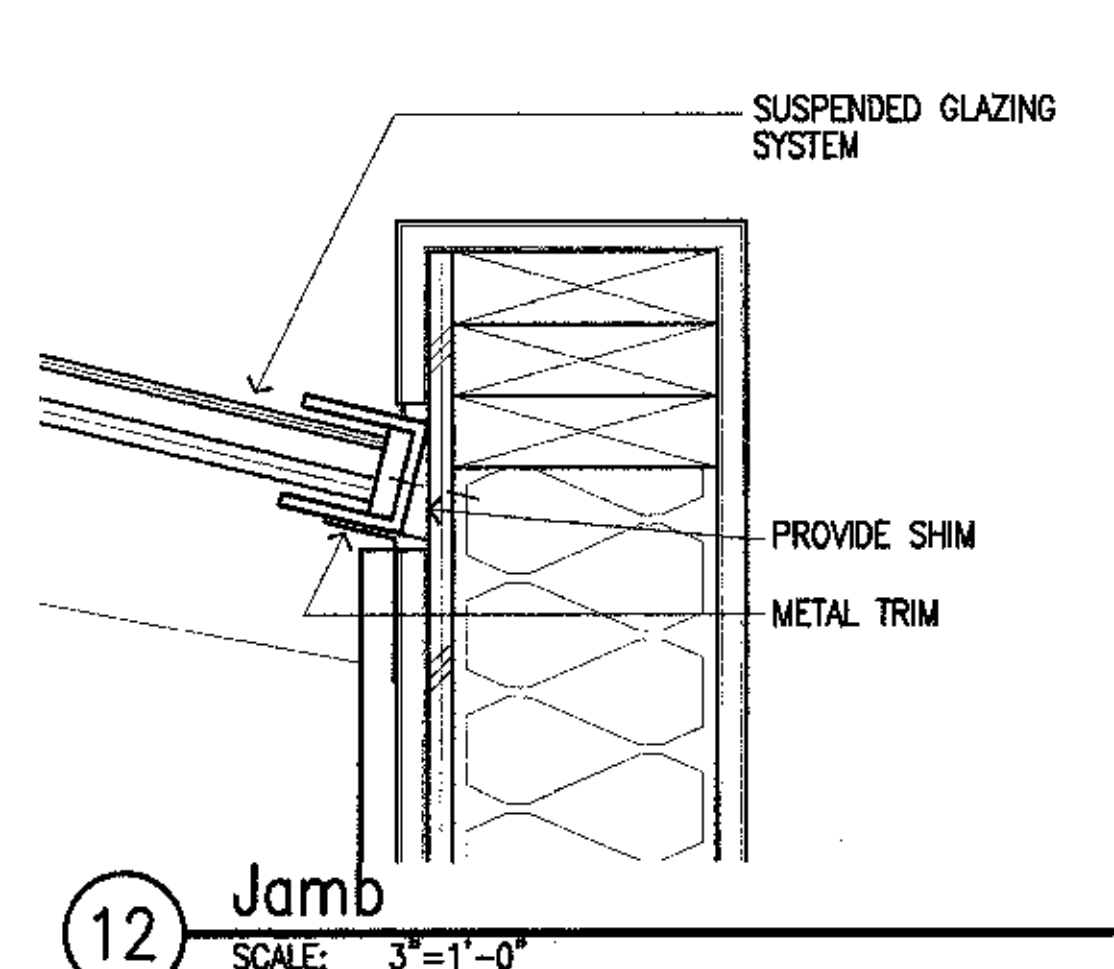
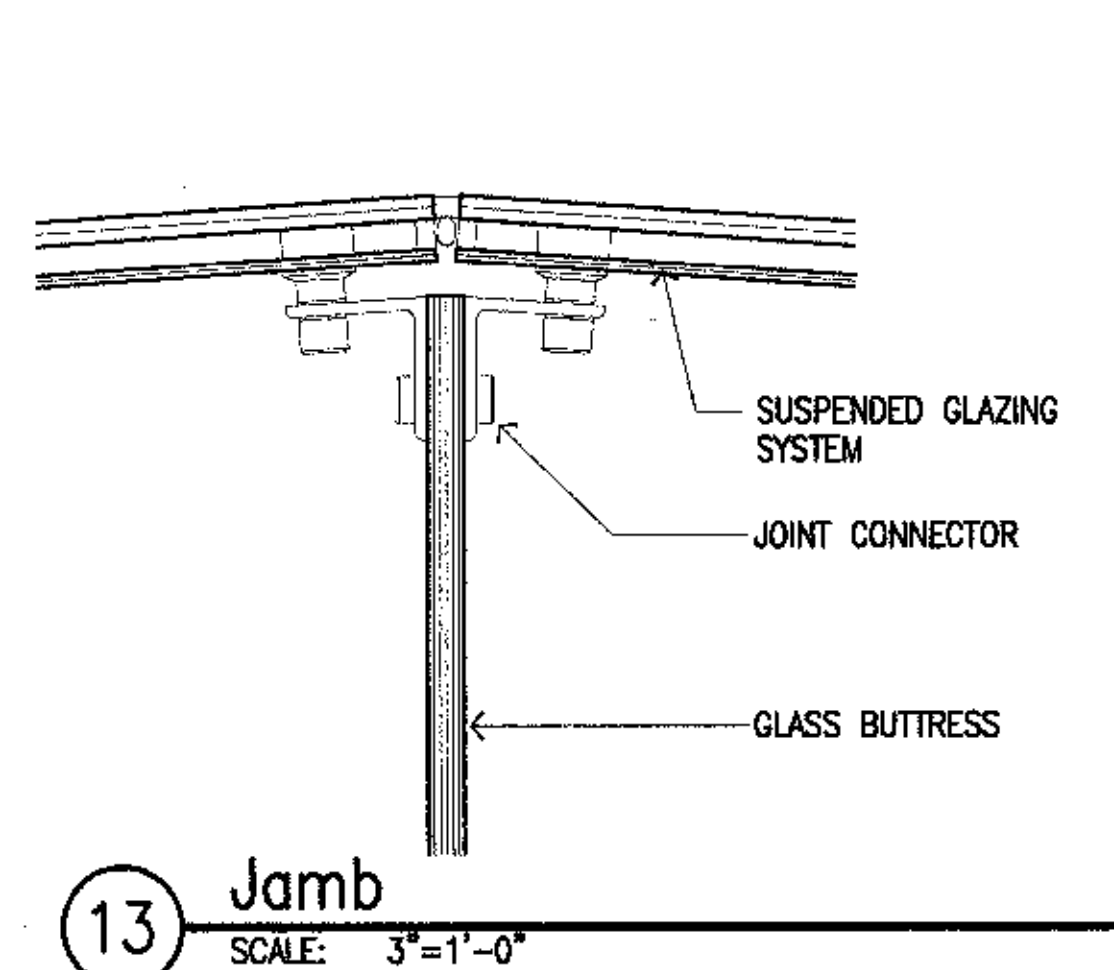
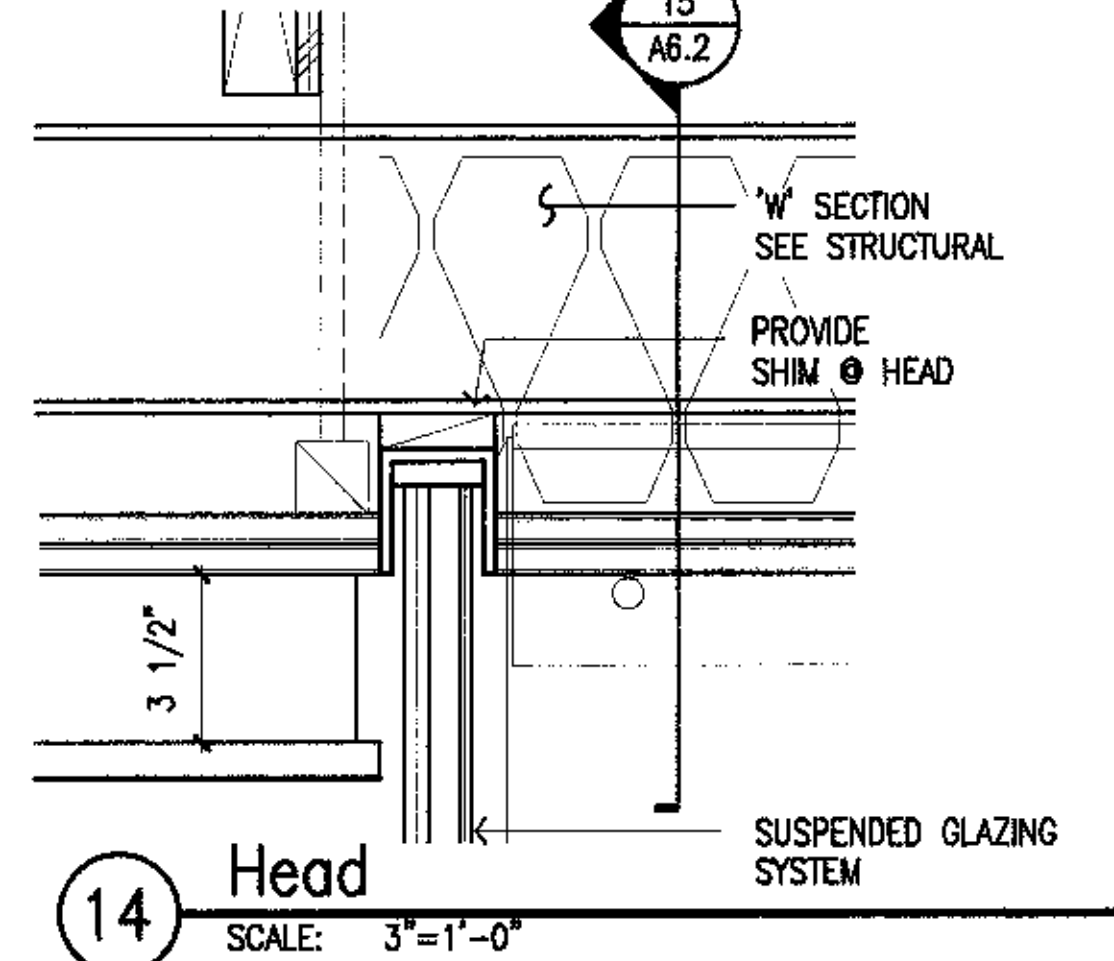
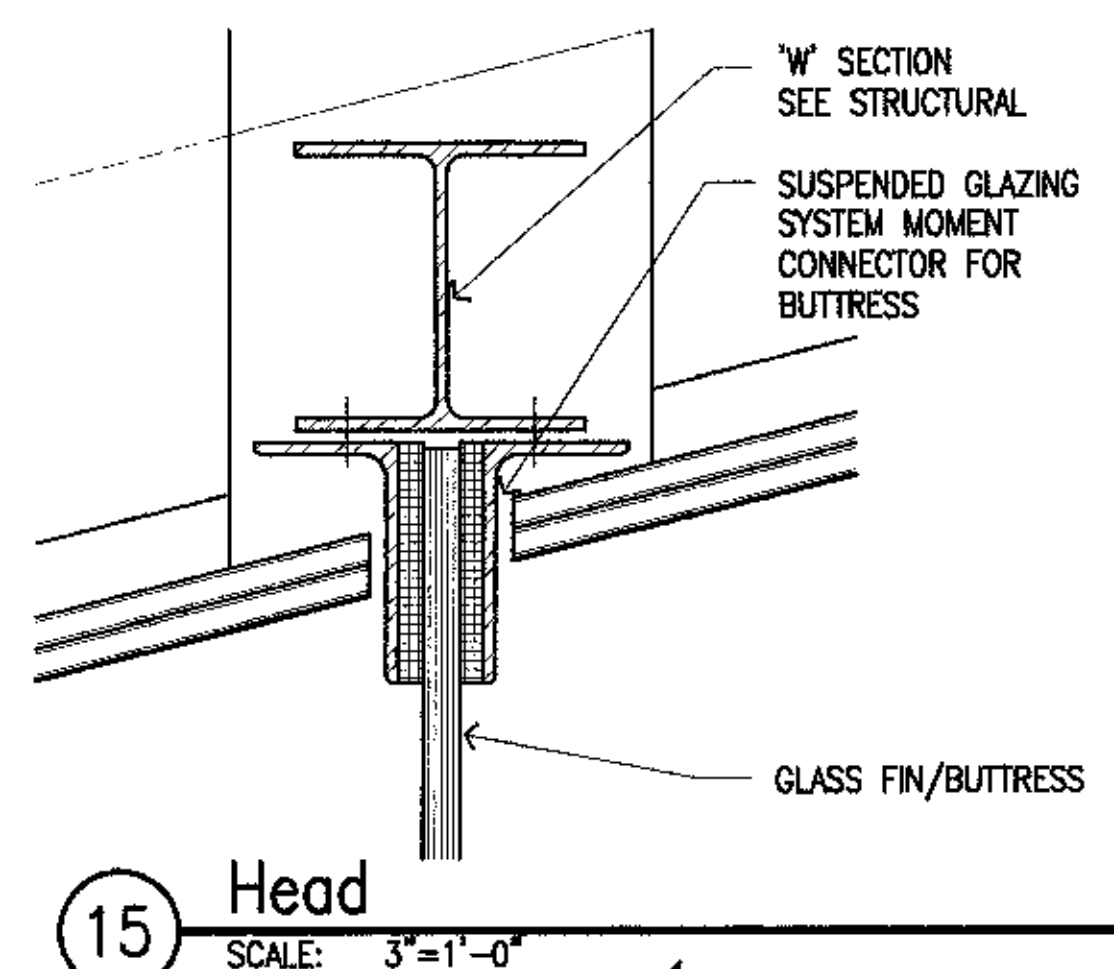
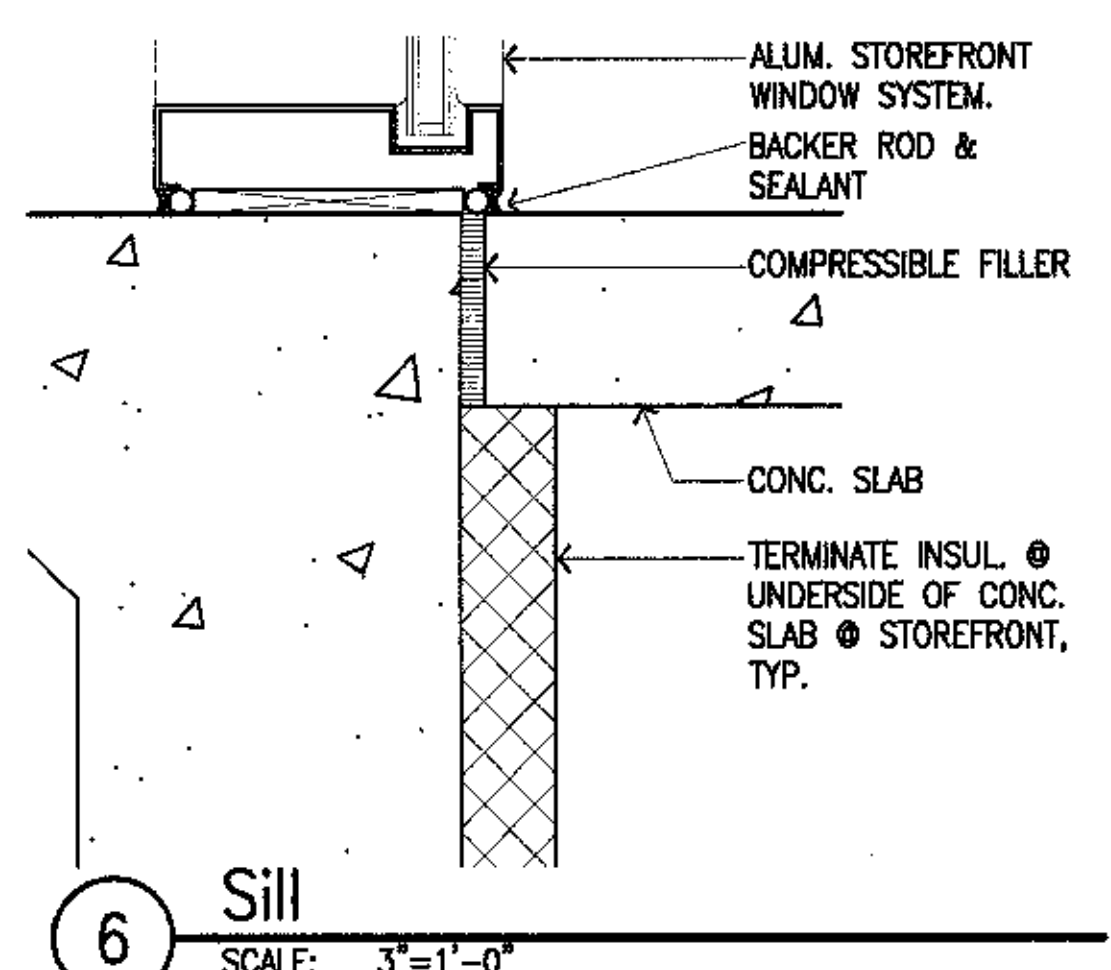
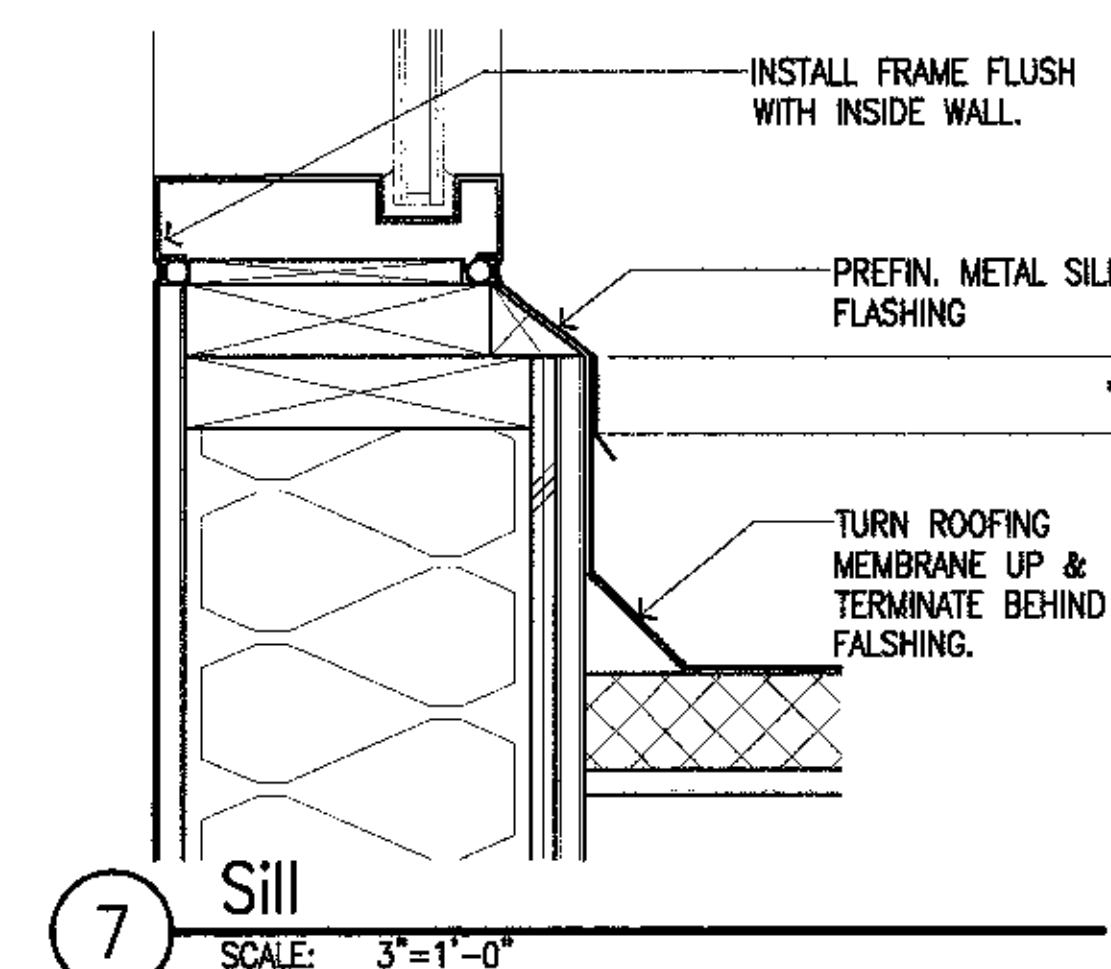
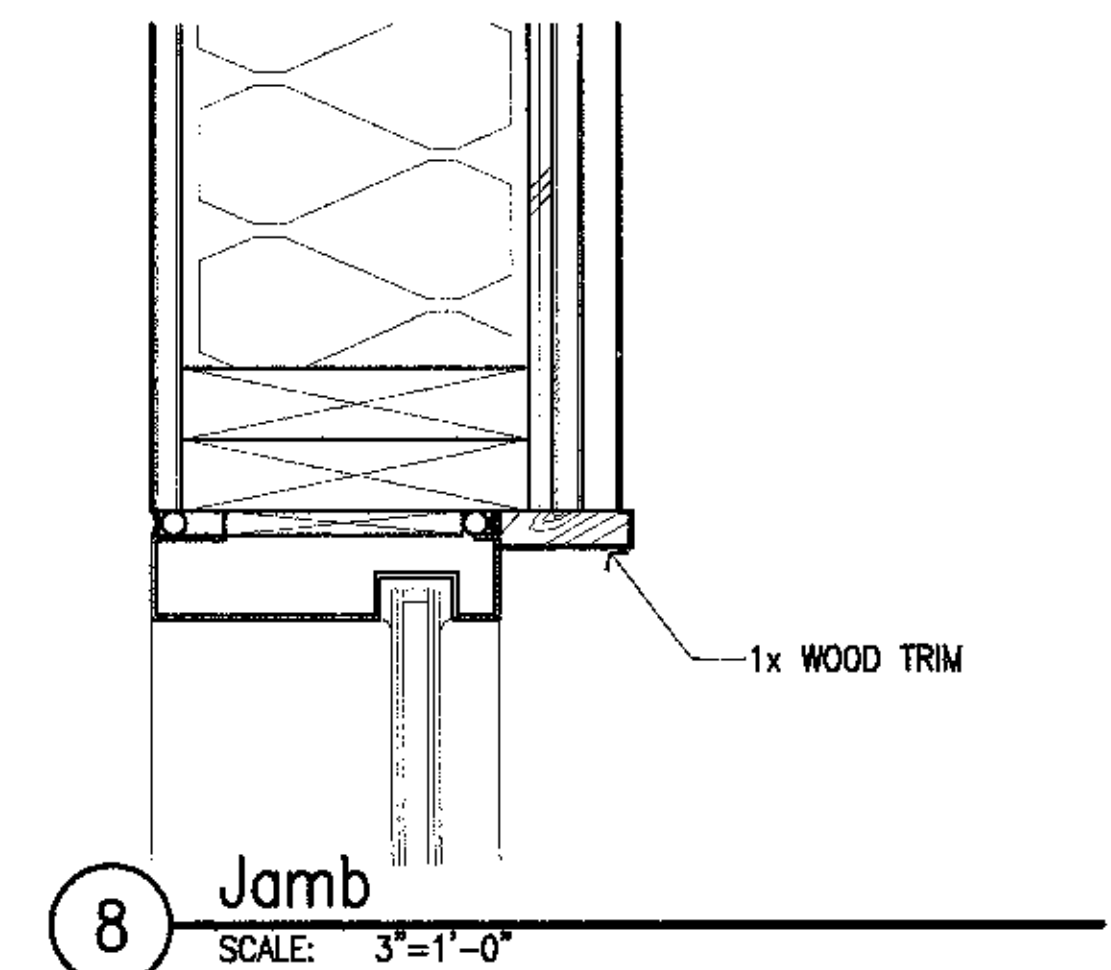
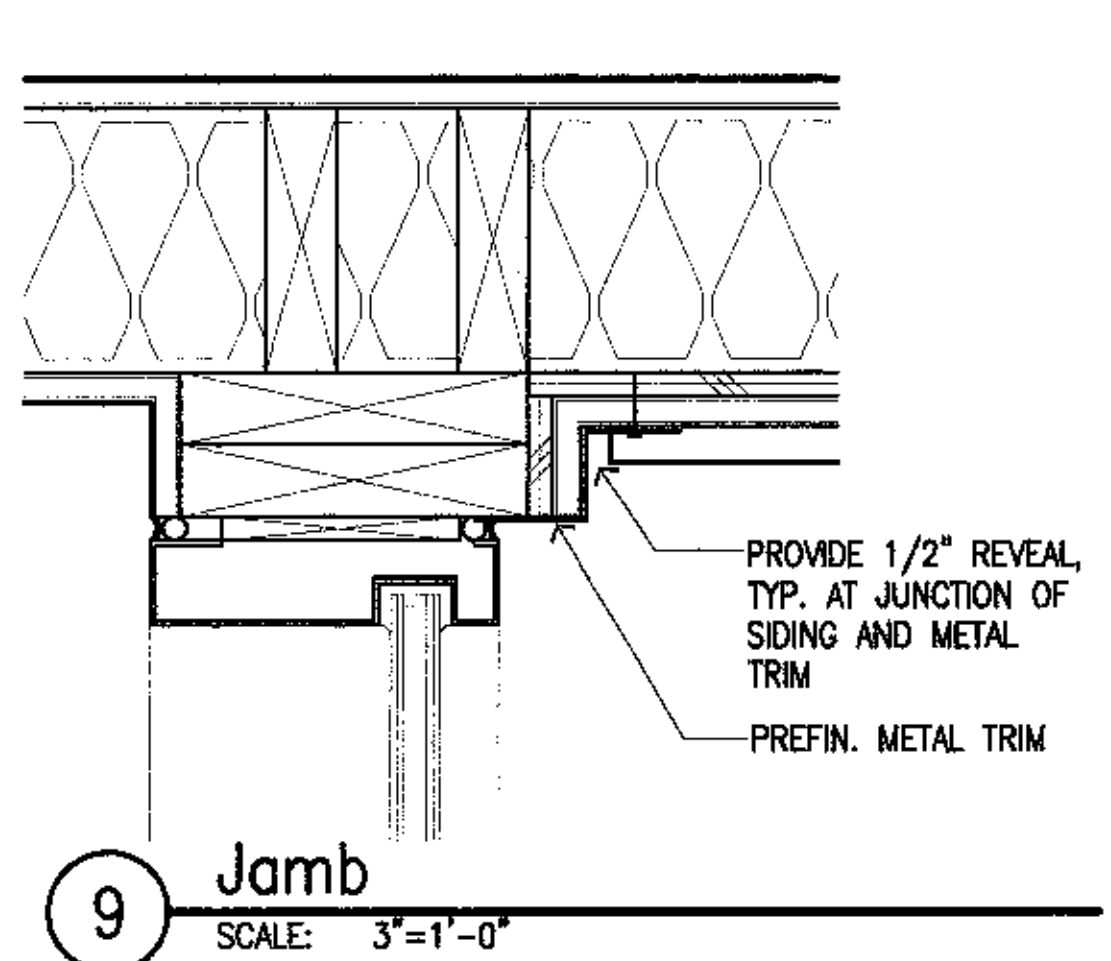
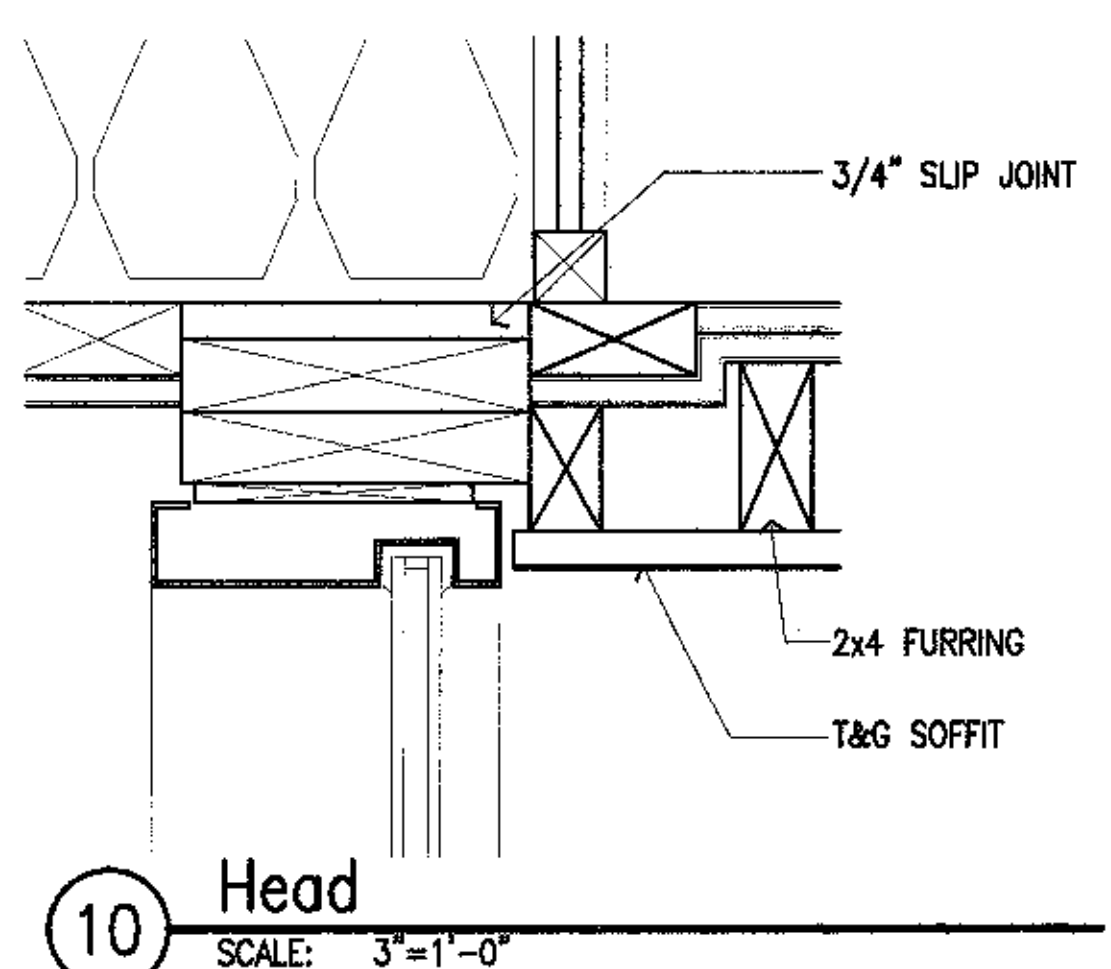
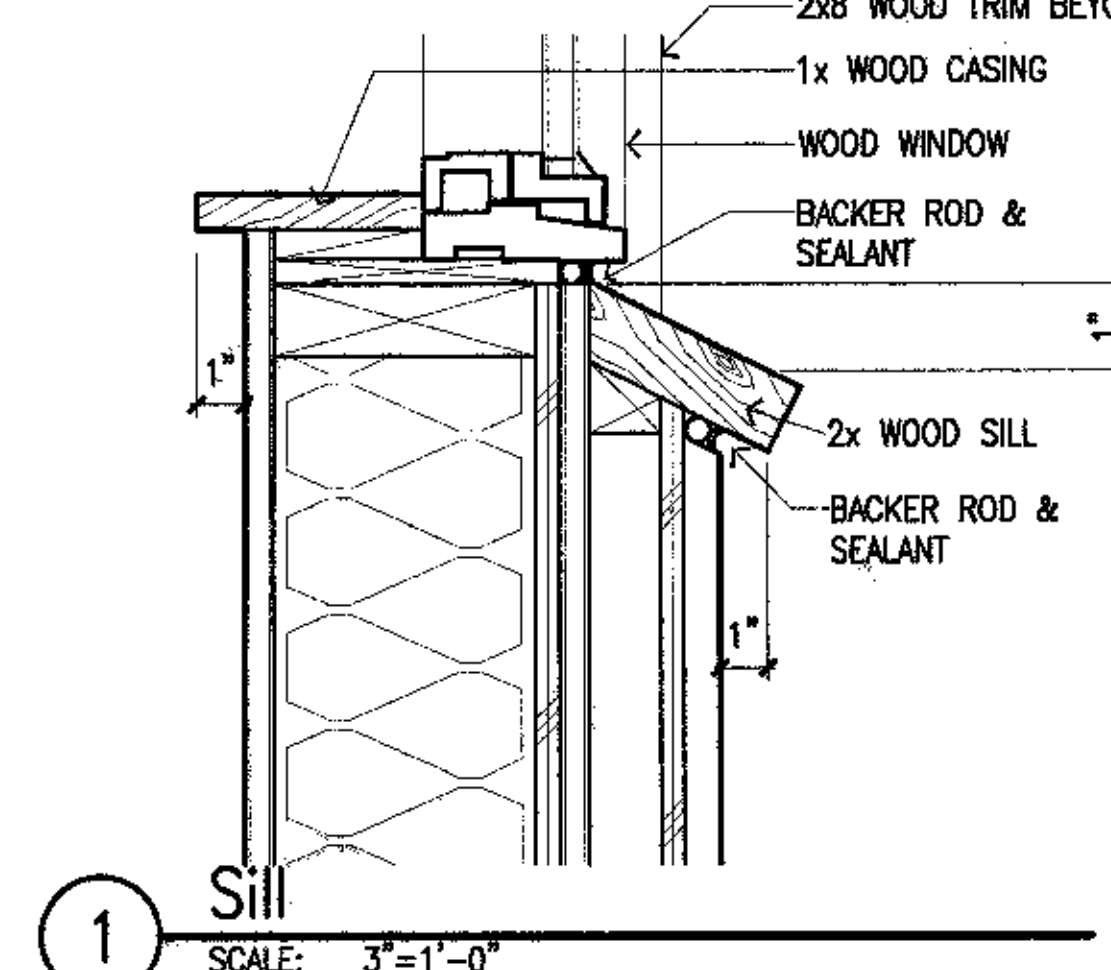
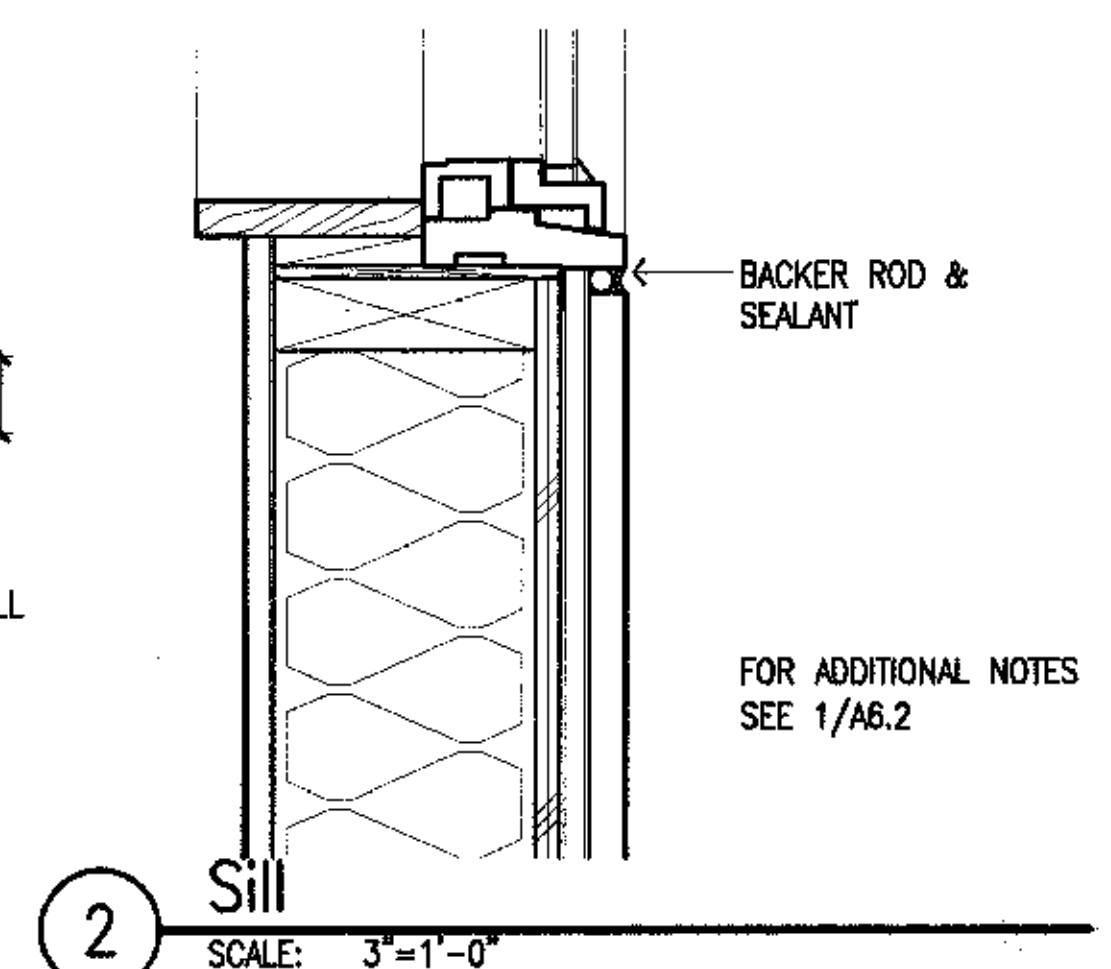
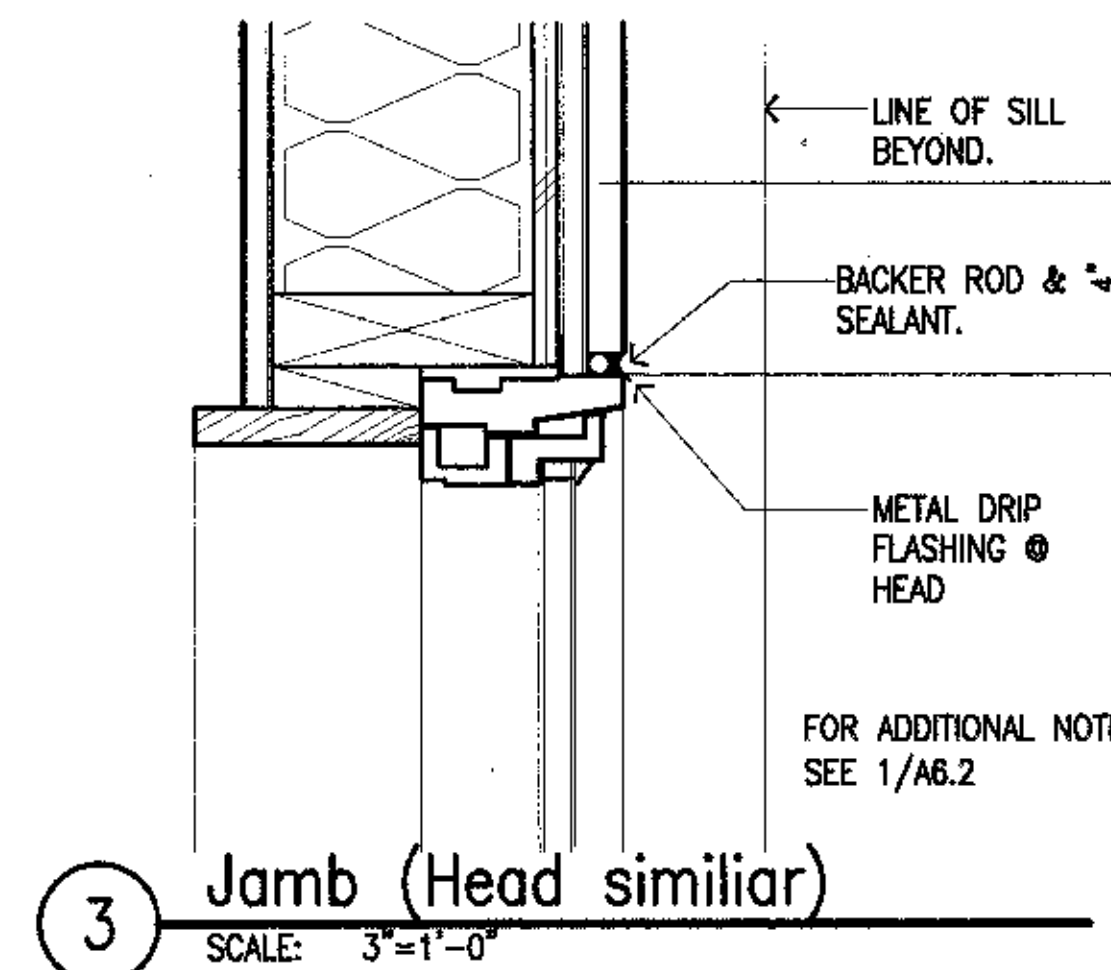
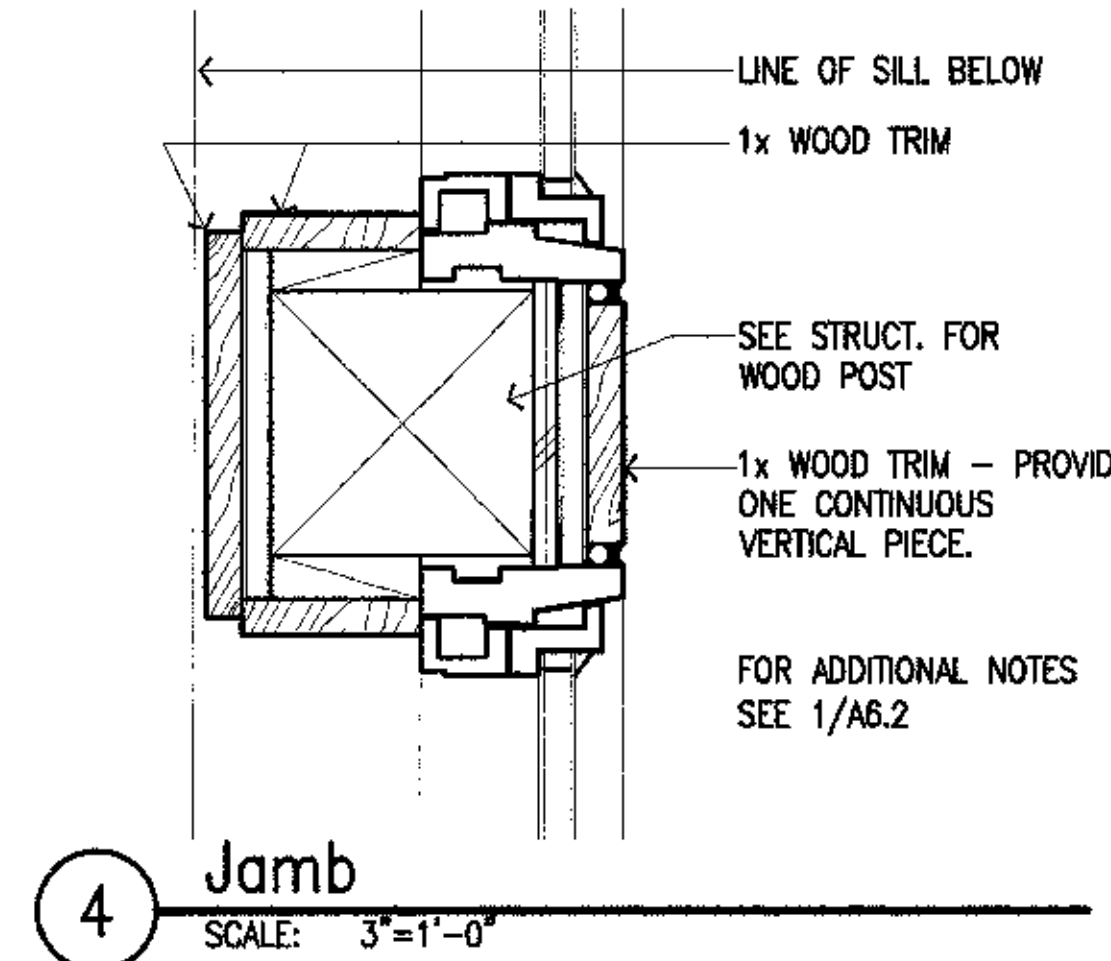
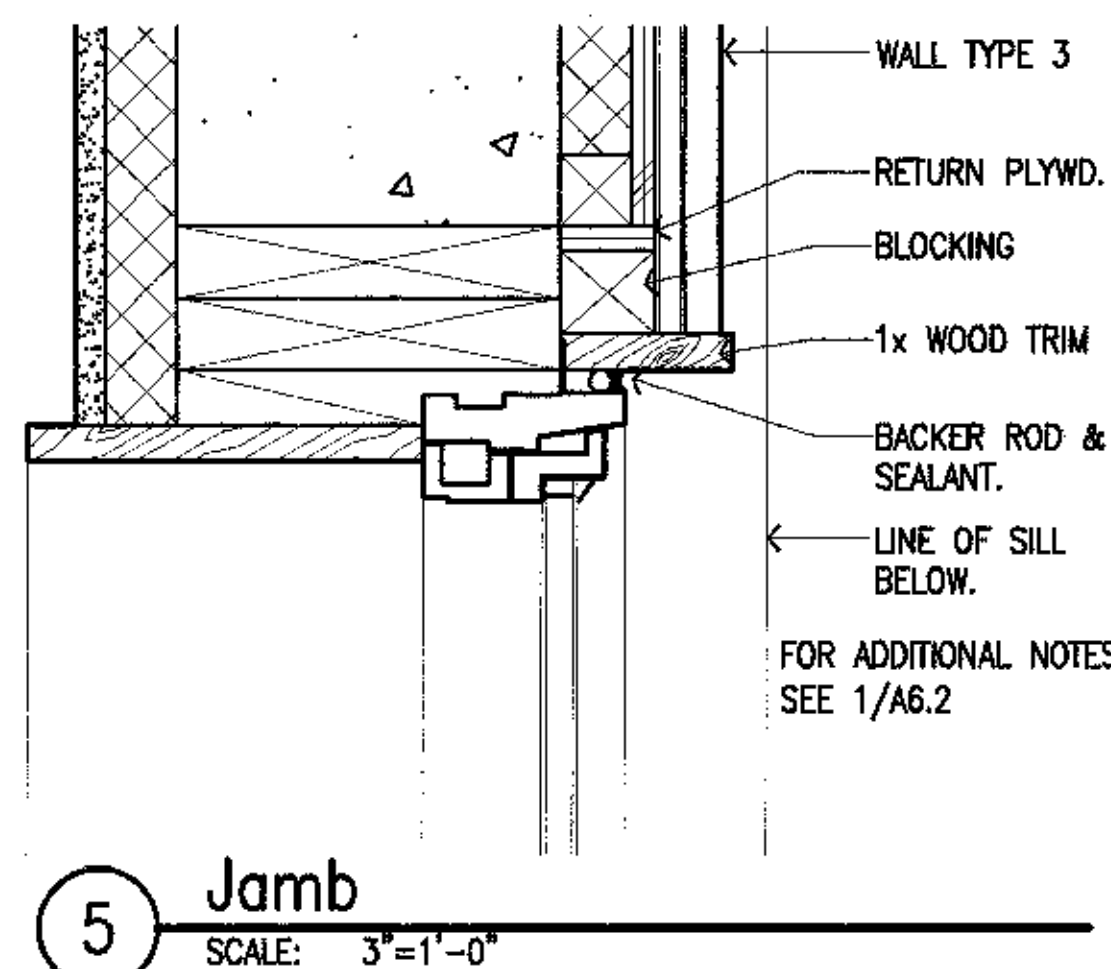
Revisions

CONFORMED DRAWINGS

Date 04/17/98
 Drawn M.T. FWP
 Checked RRR
 Job No. 95023

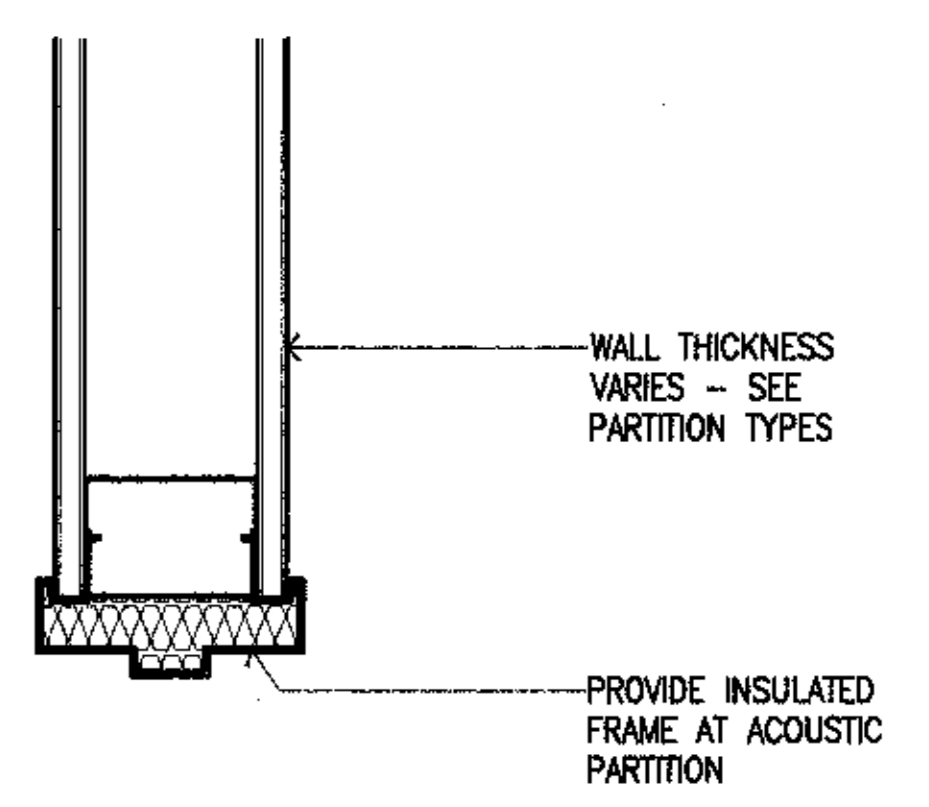
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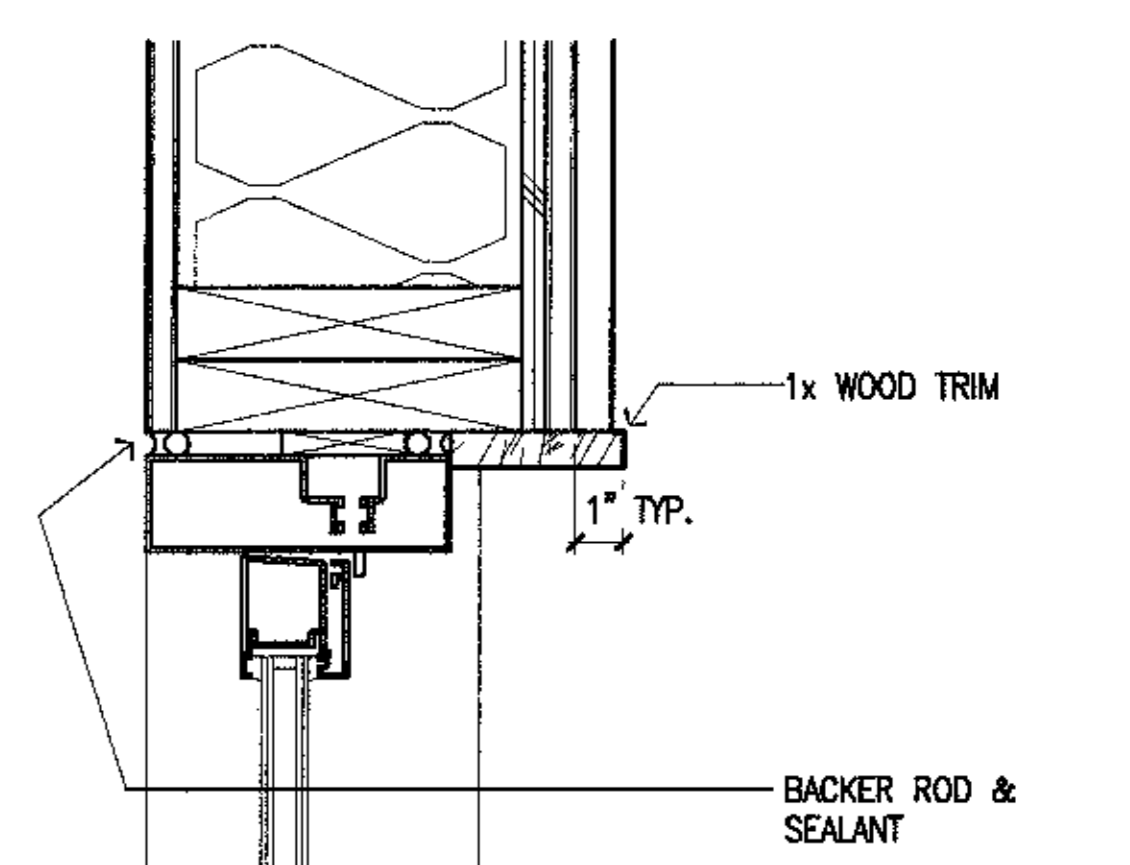




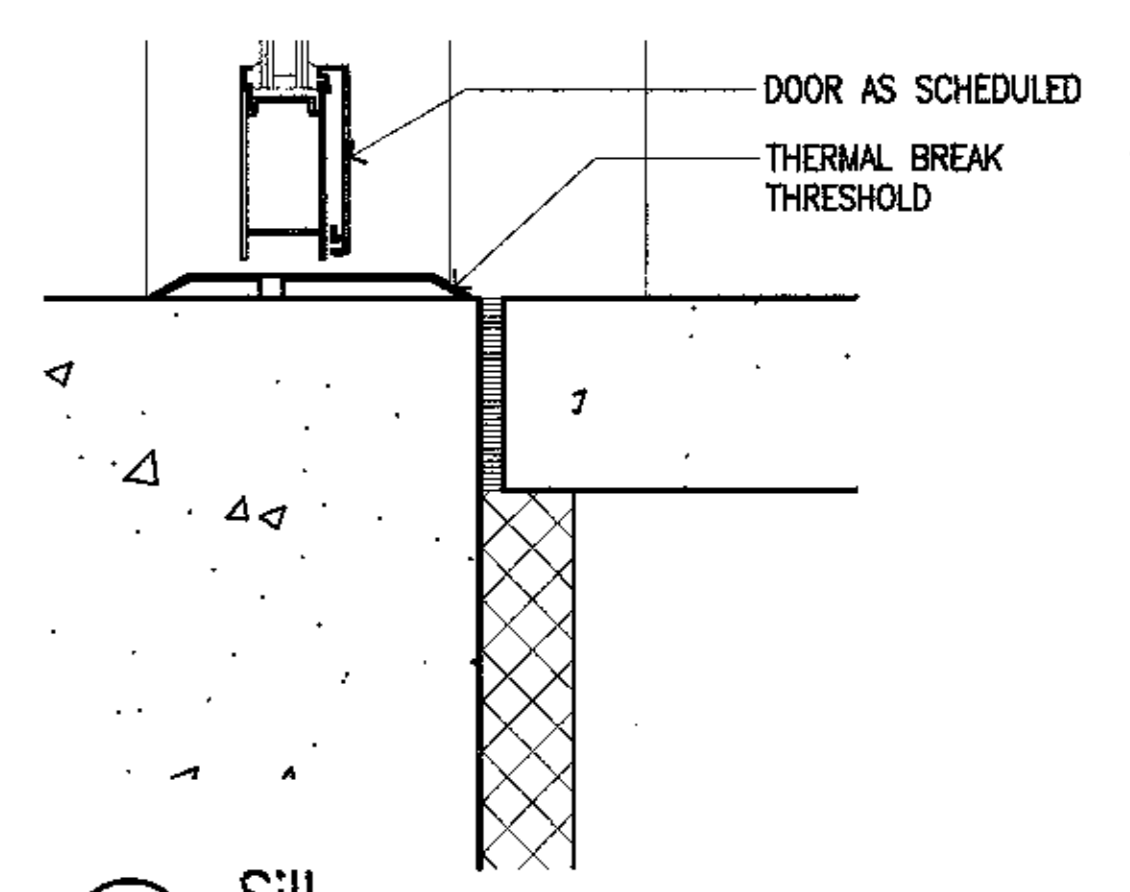
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 Anchorage, Alaska 99501
 909 W. 6th Avenue, Suite 600
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 Fax 807/270-8180
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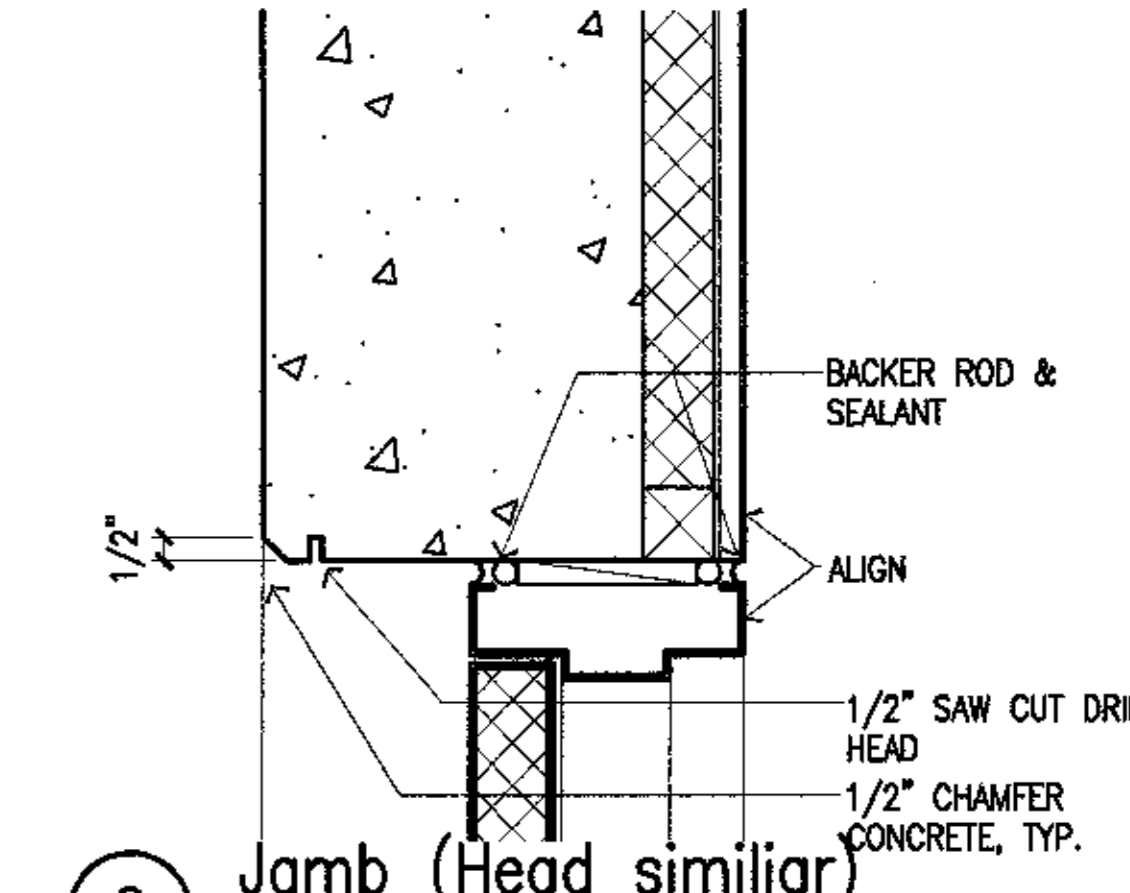
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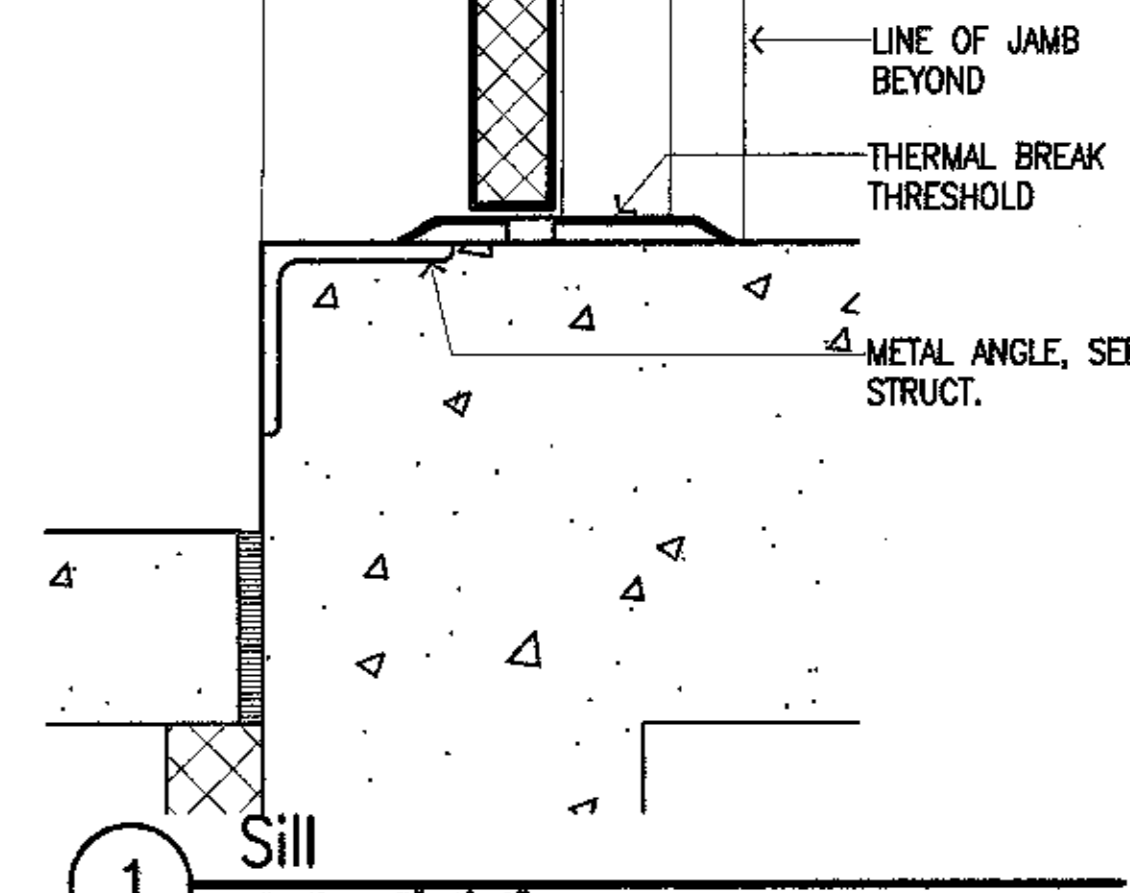
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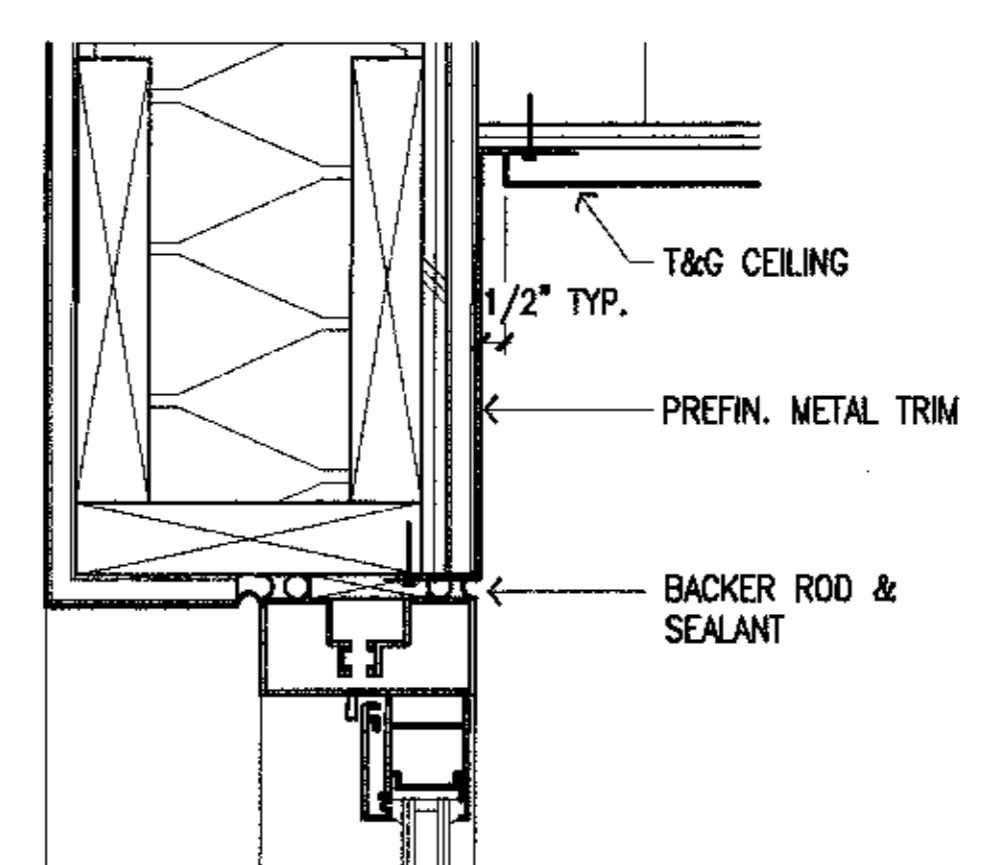
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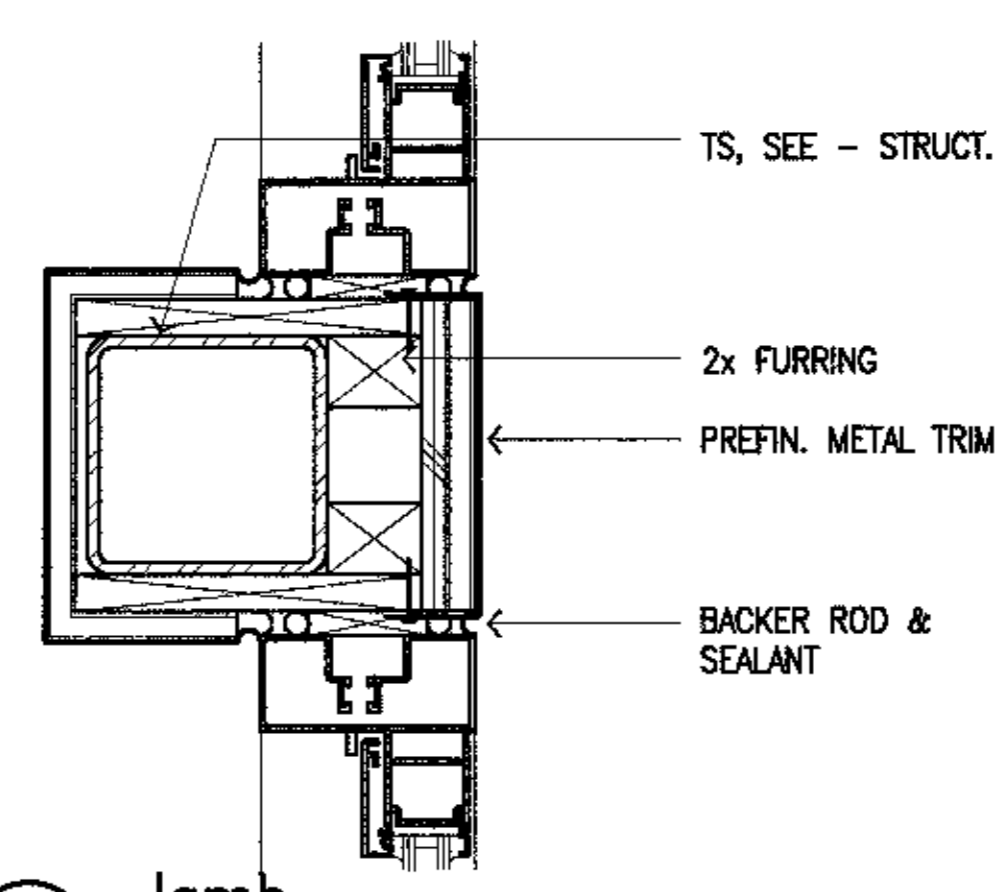
2 Jamb (Head similar)
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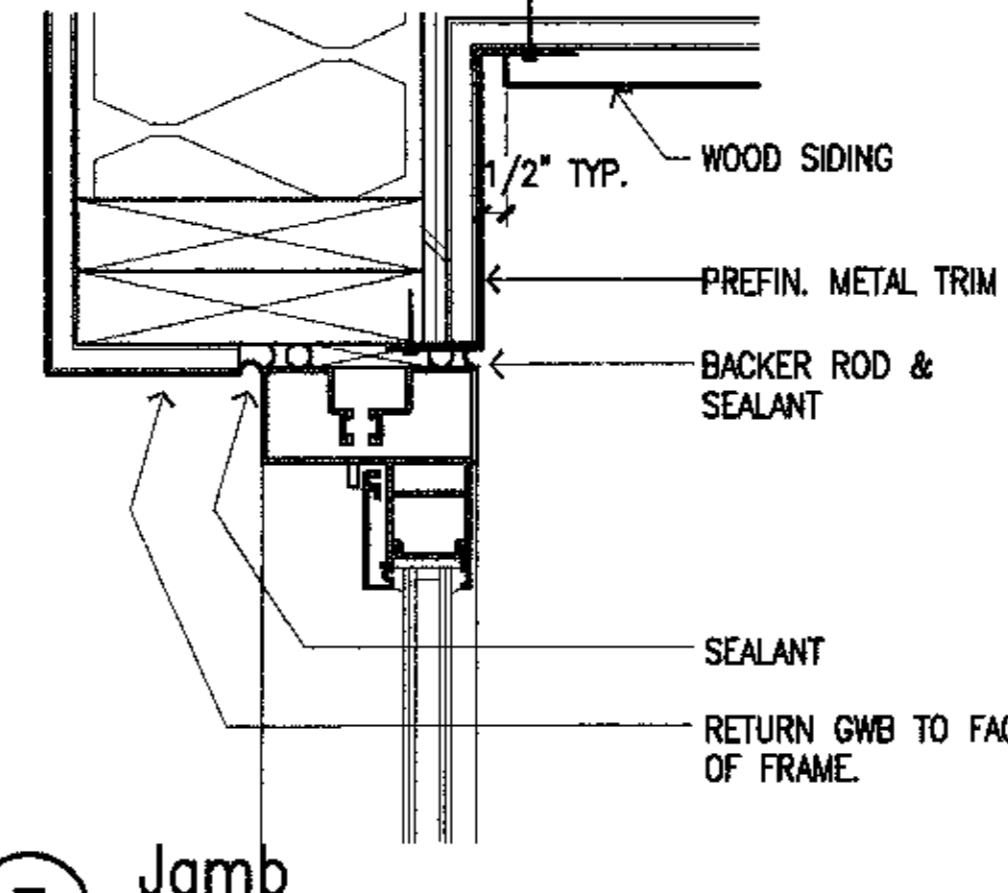
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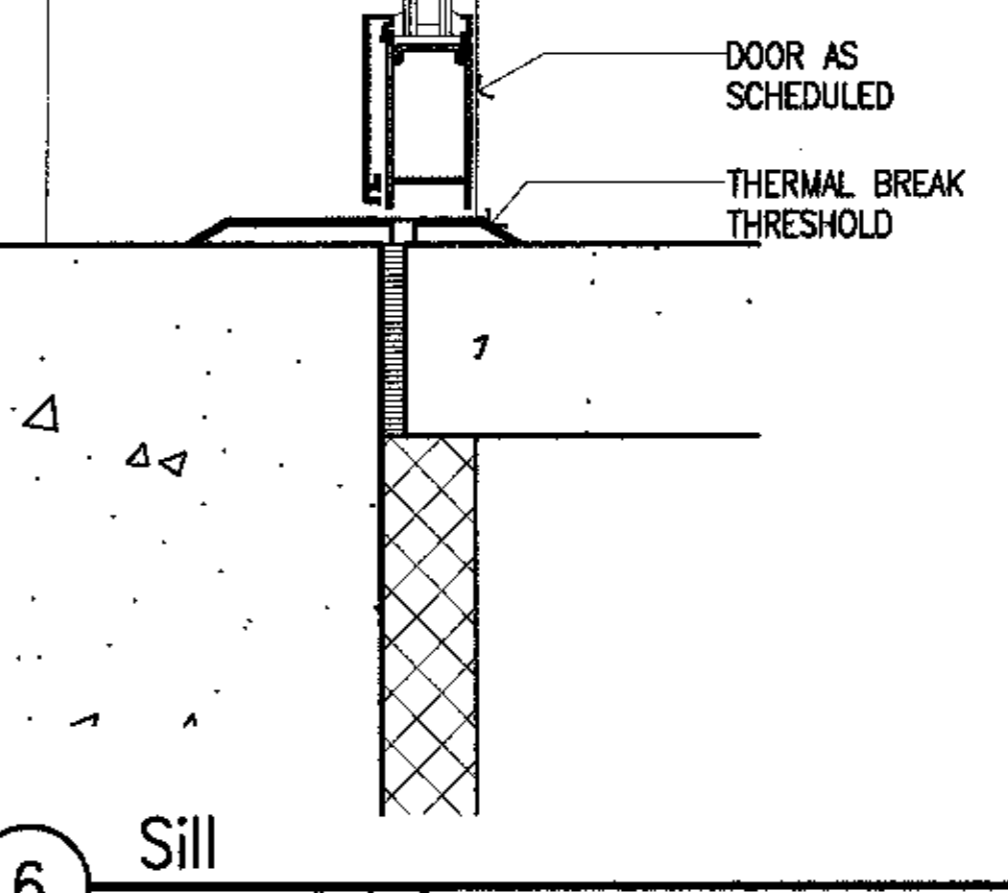
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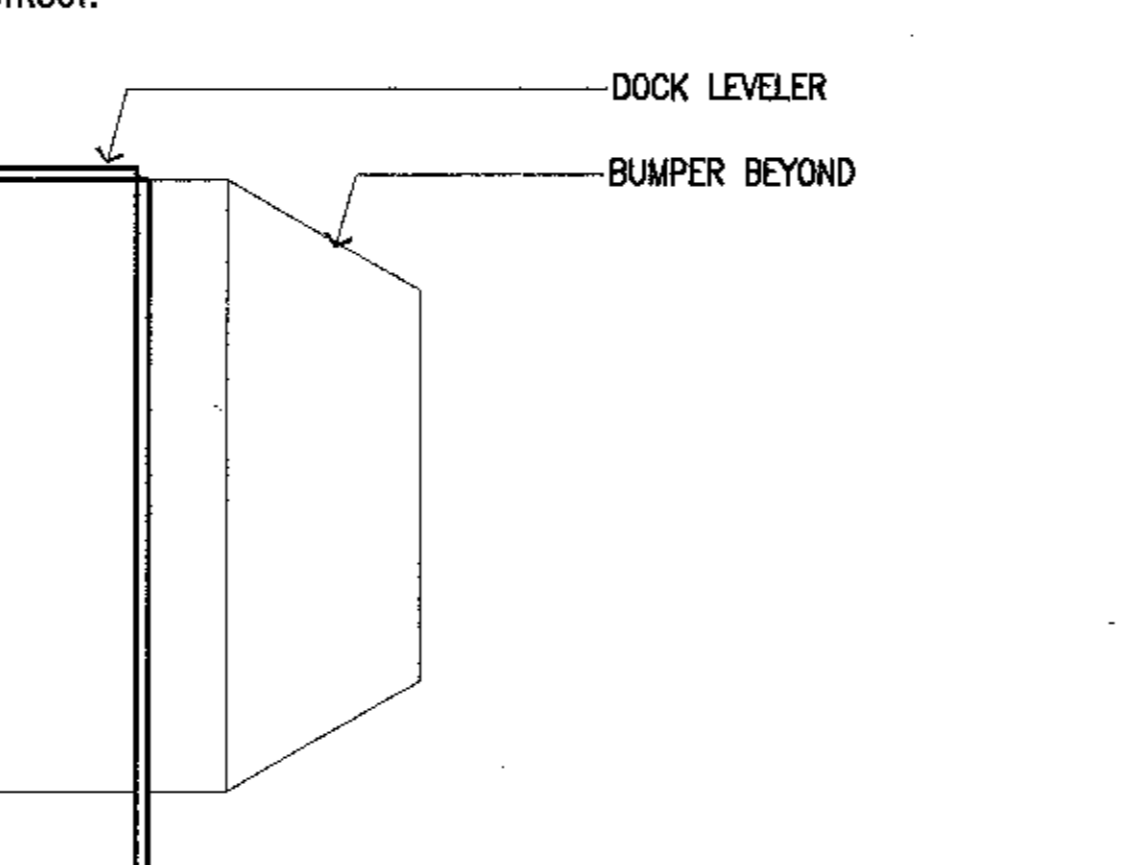
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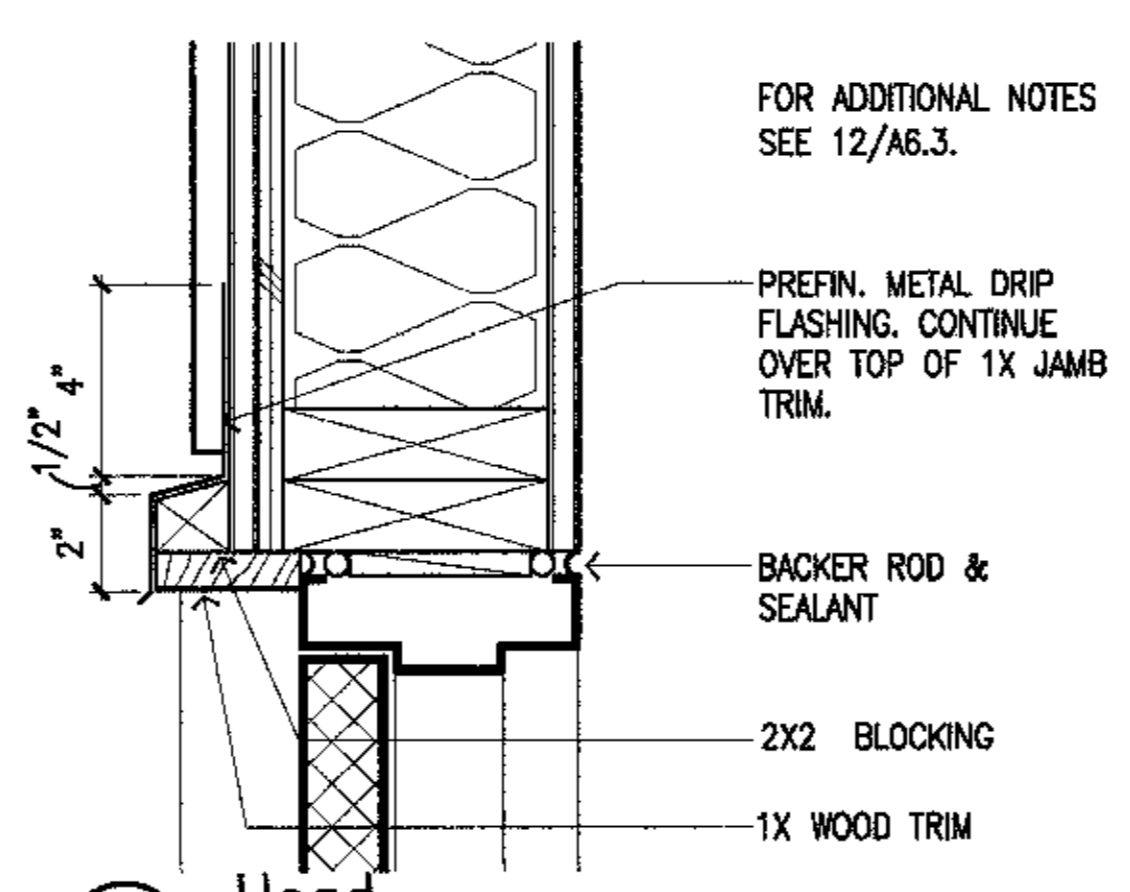
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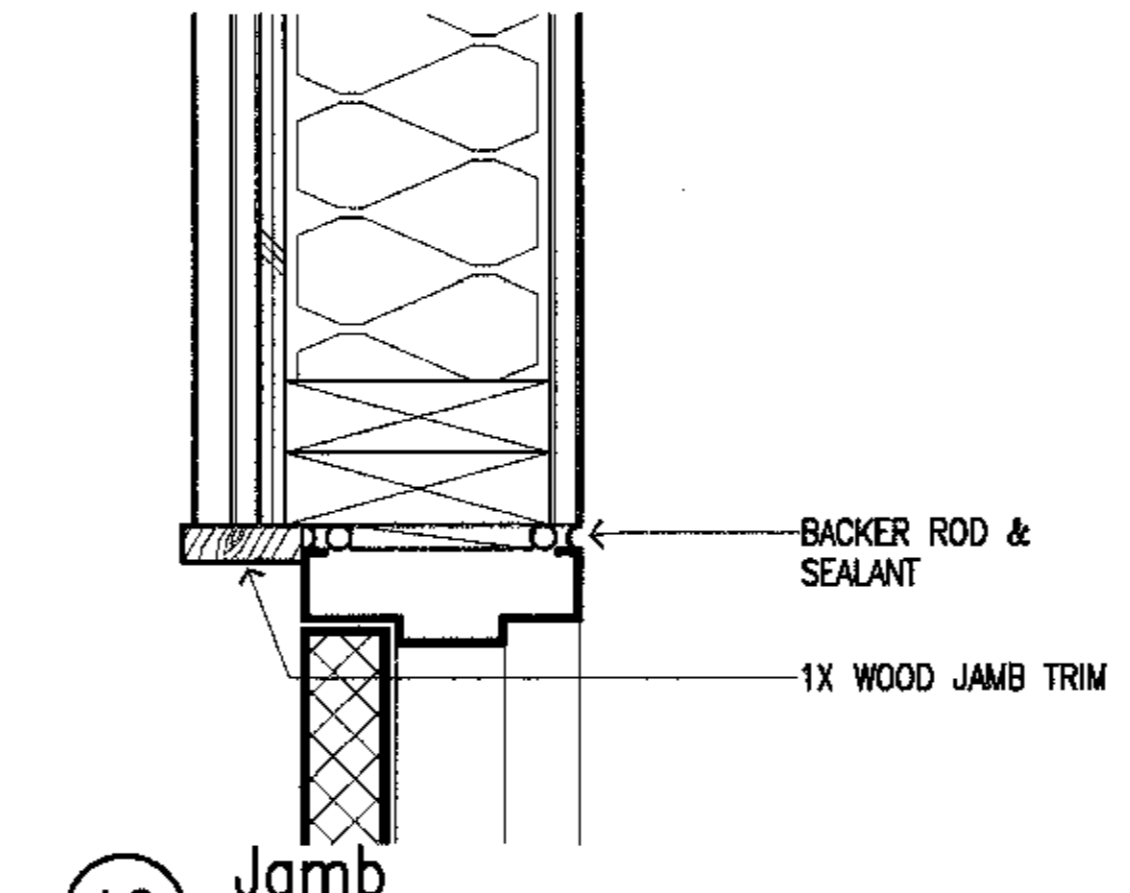
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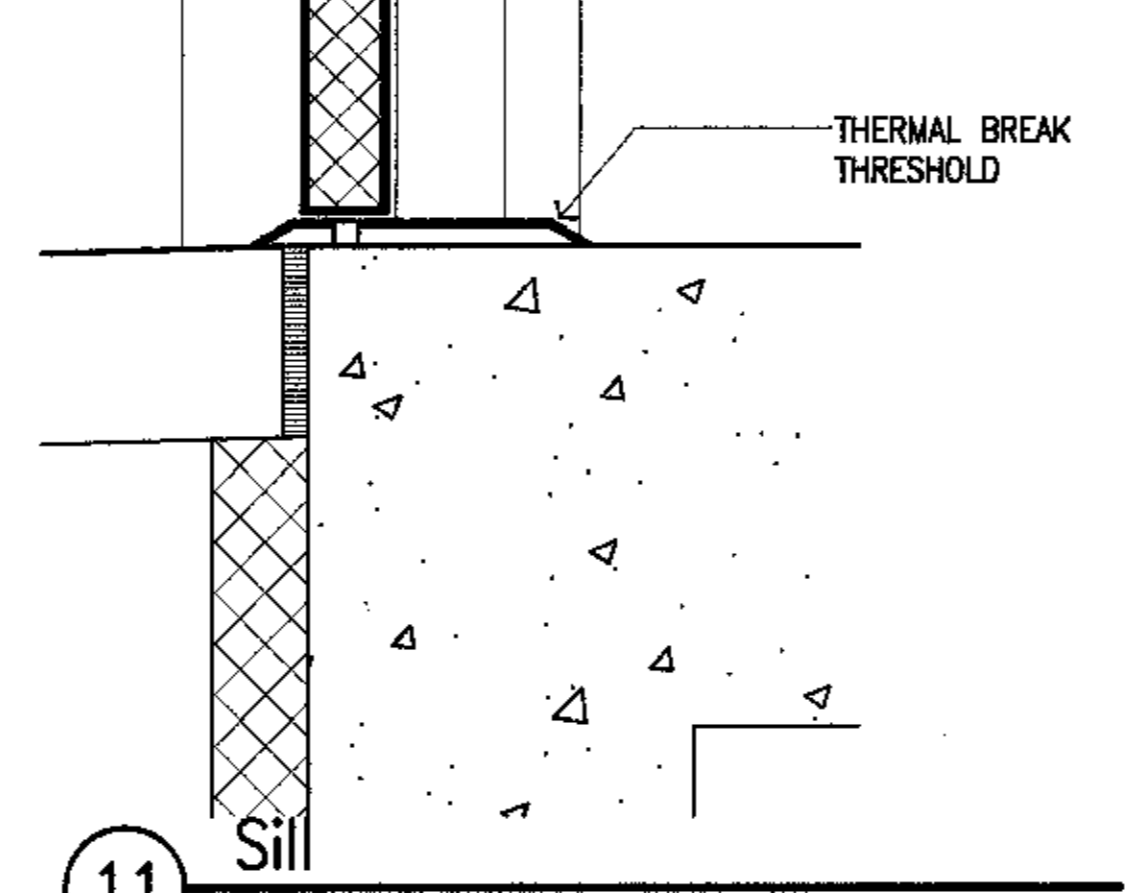
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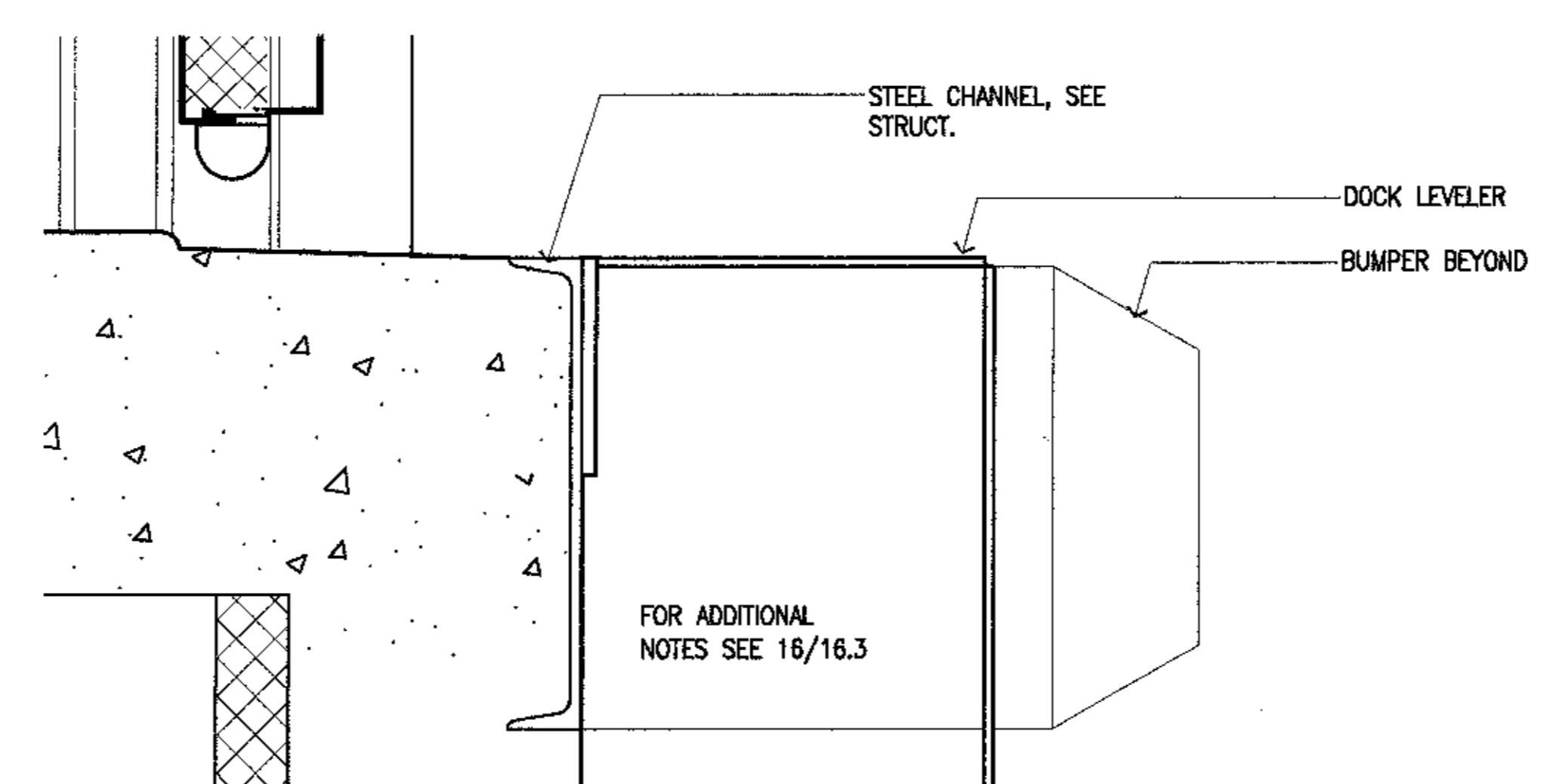
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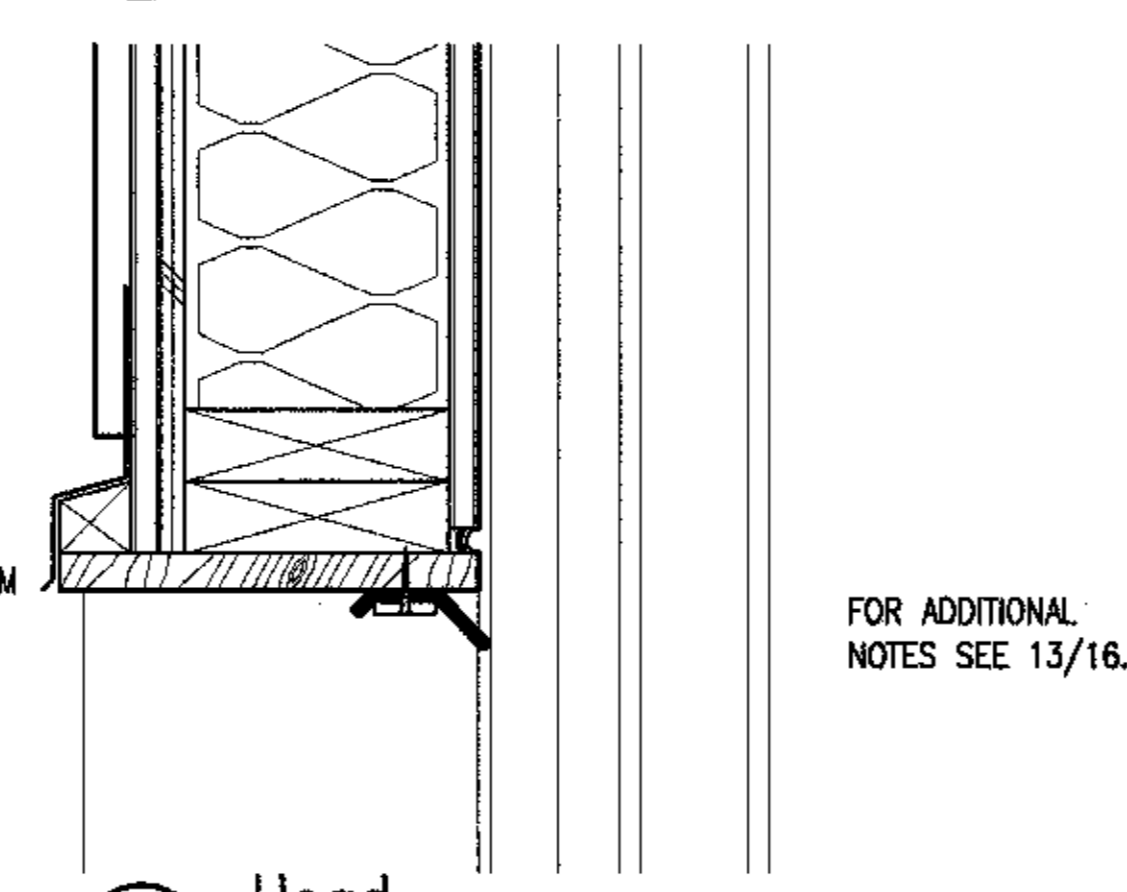
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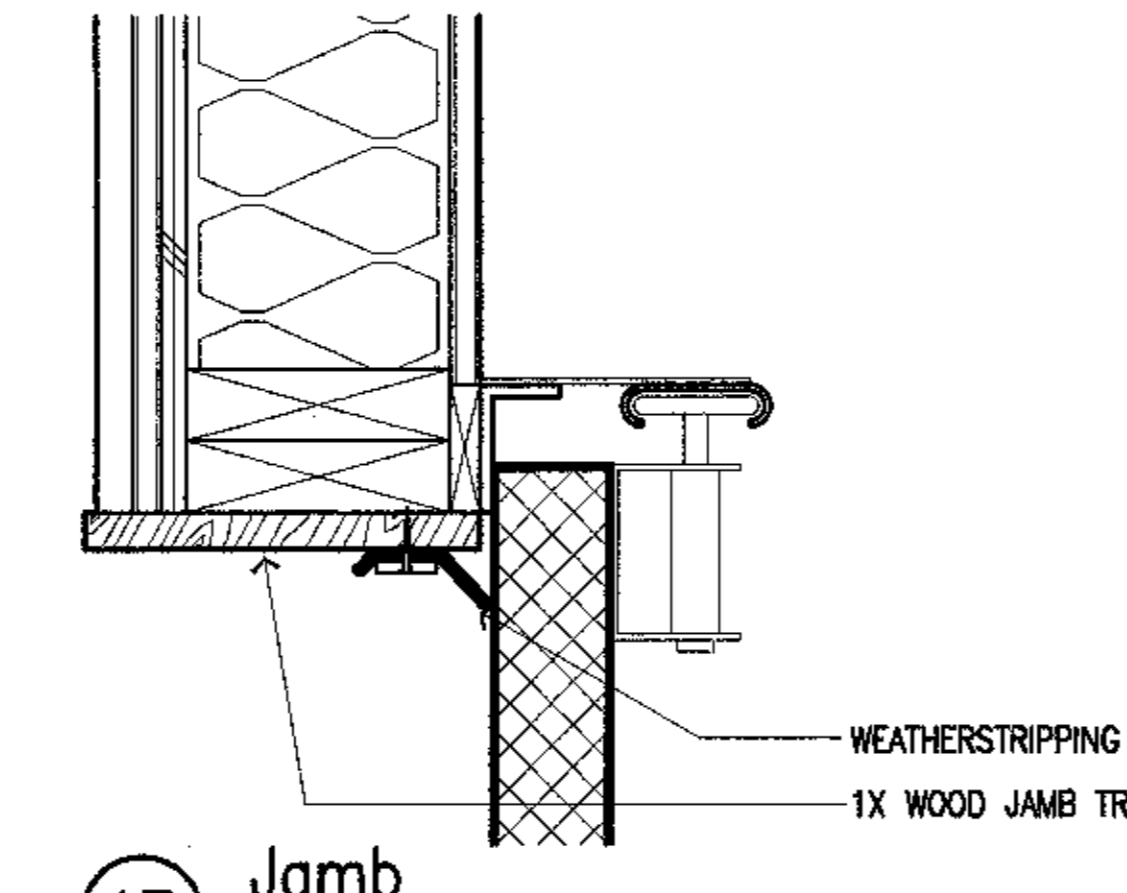
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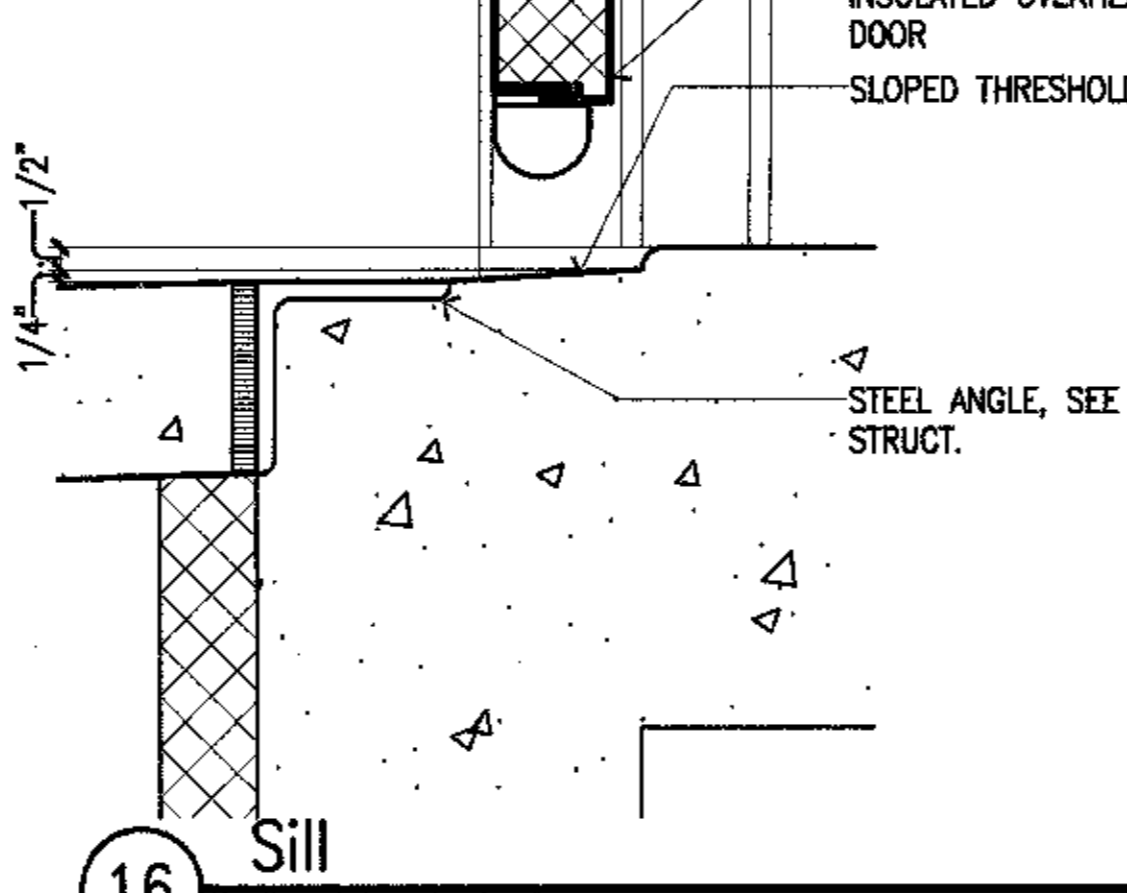
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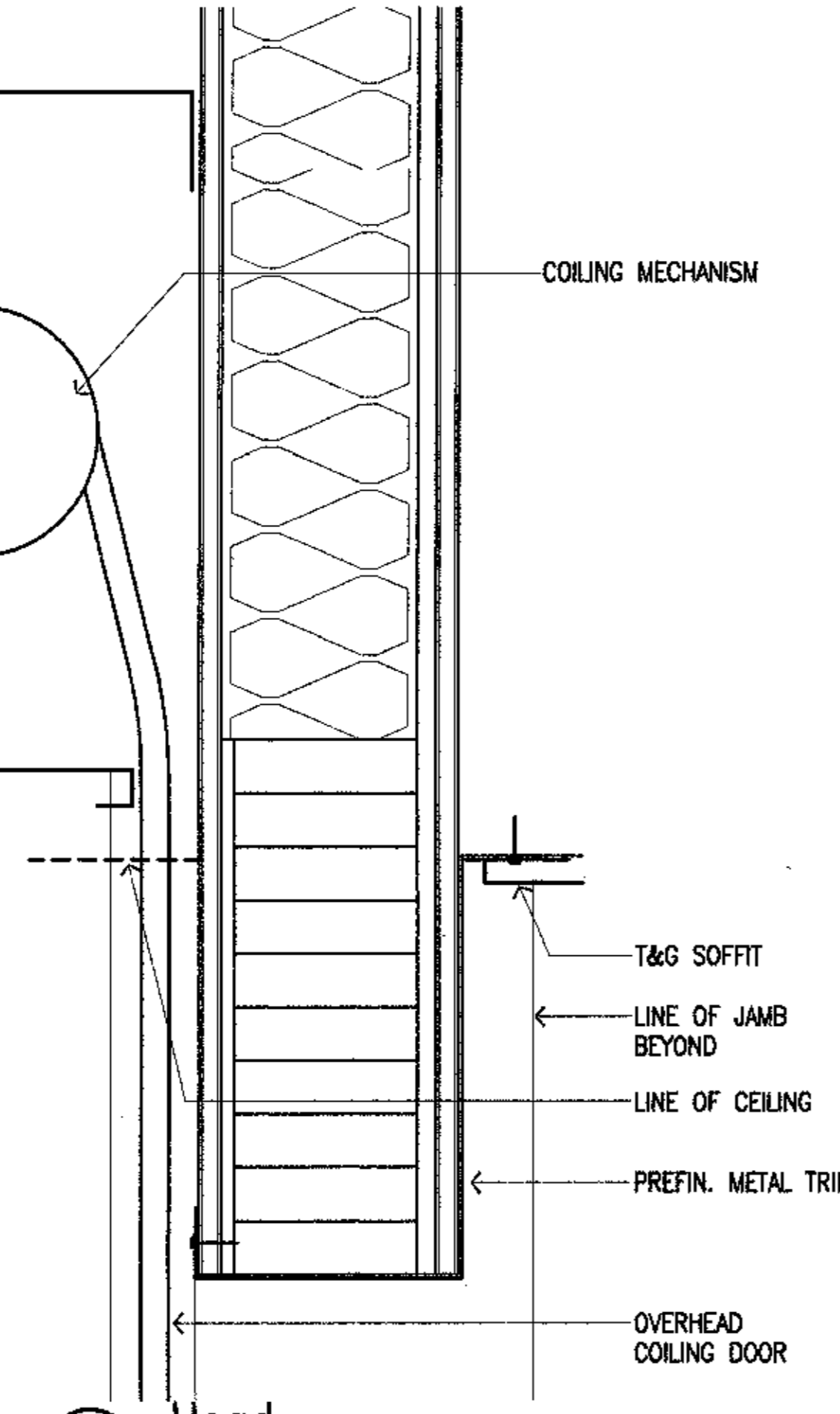
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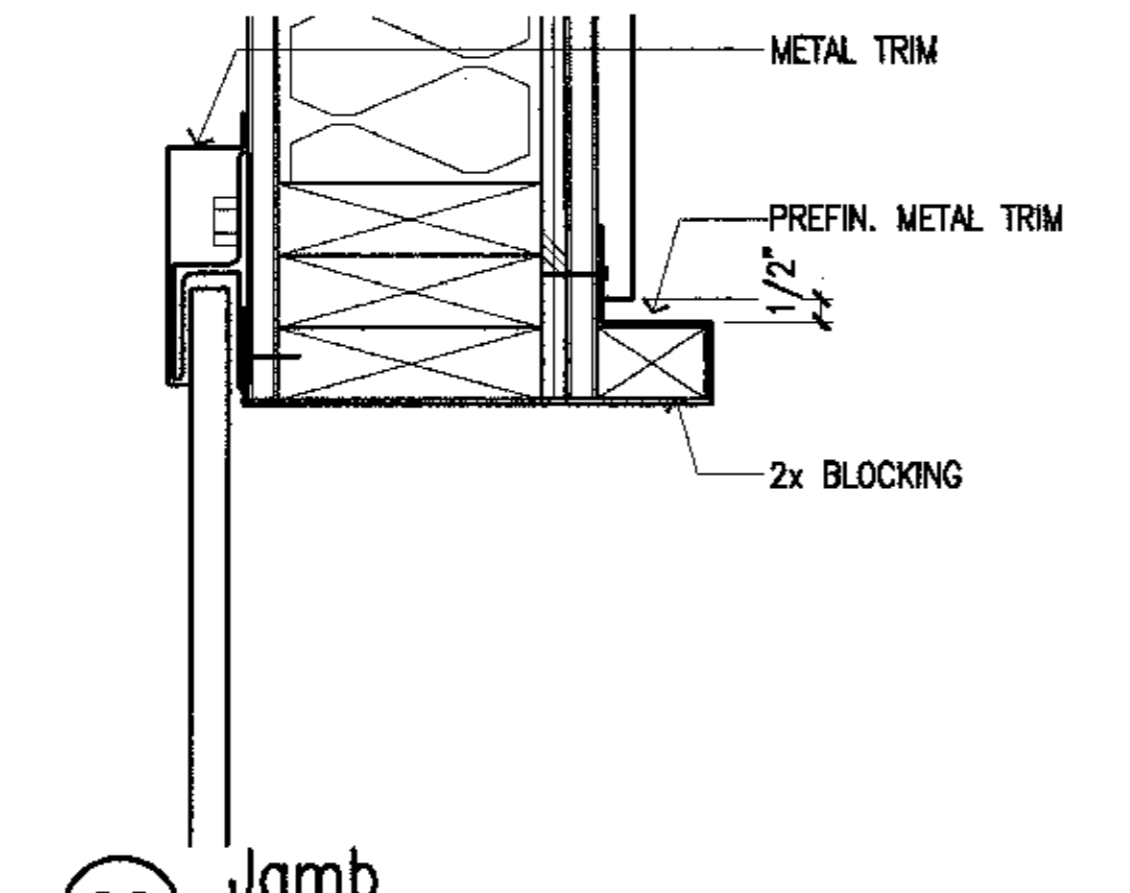
17 Jamb
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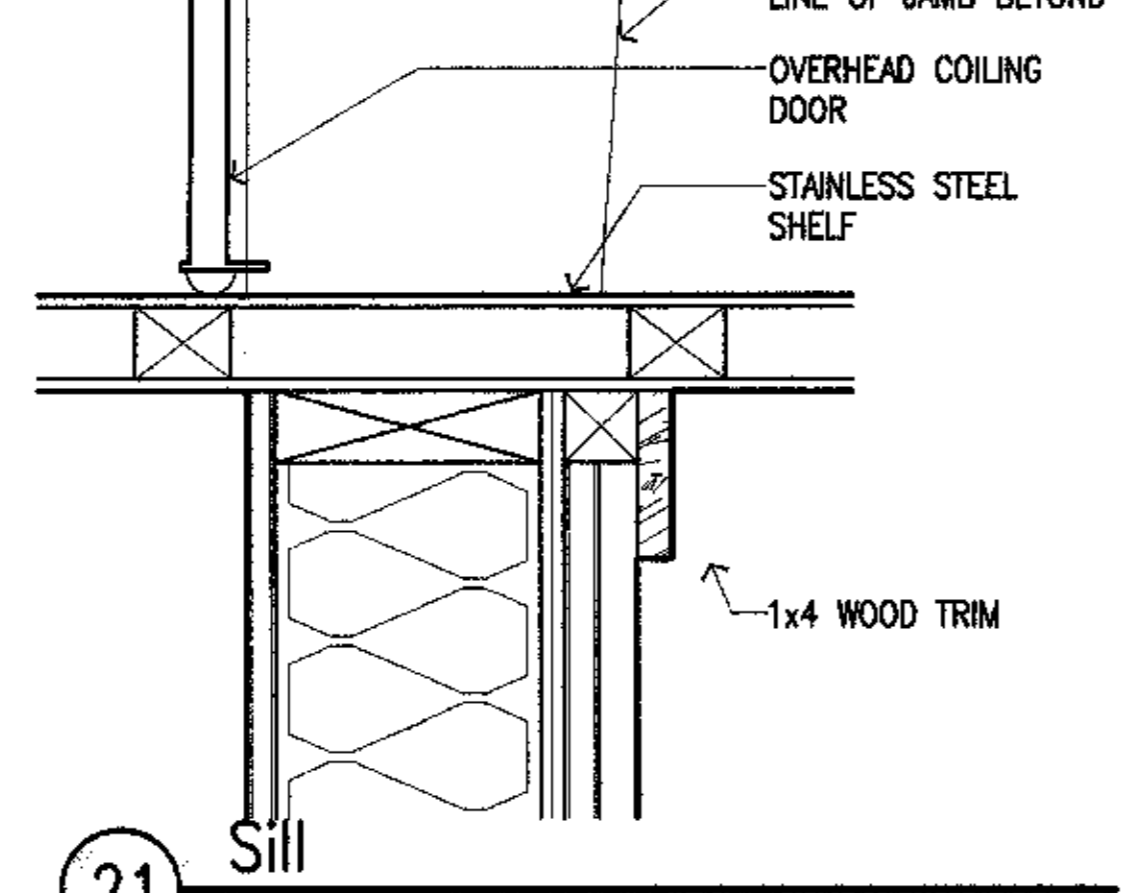
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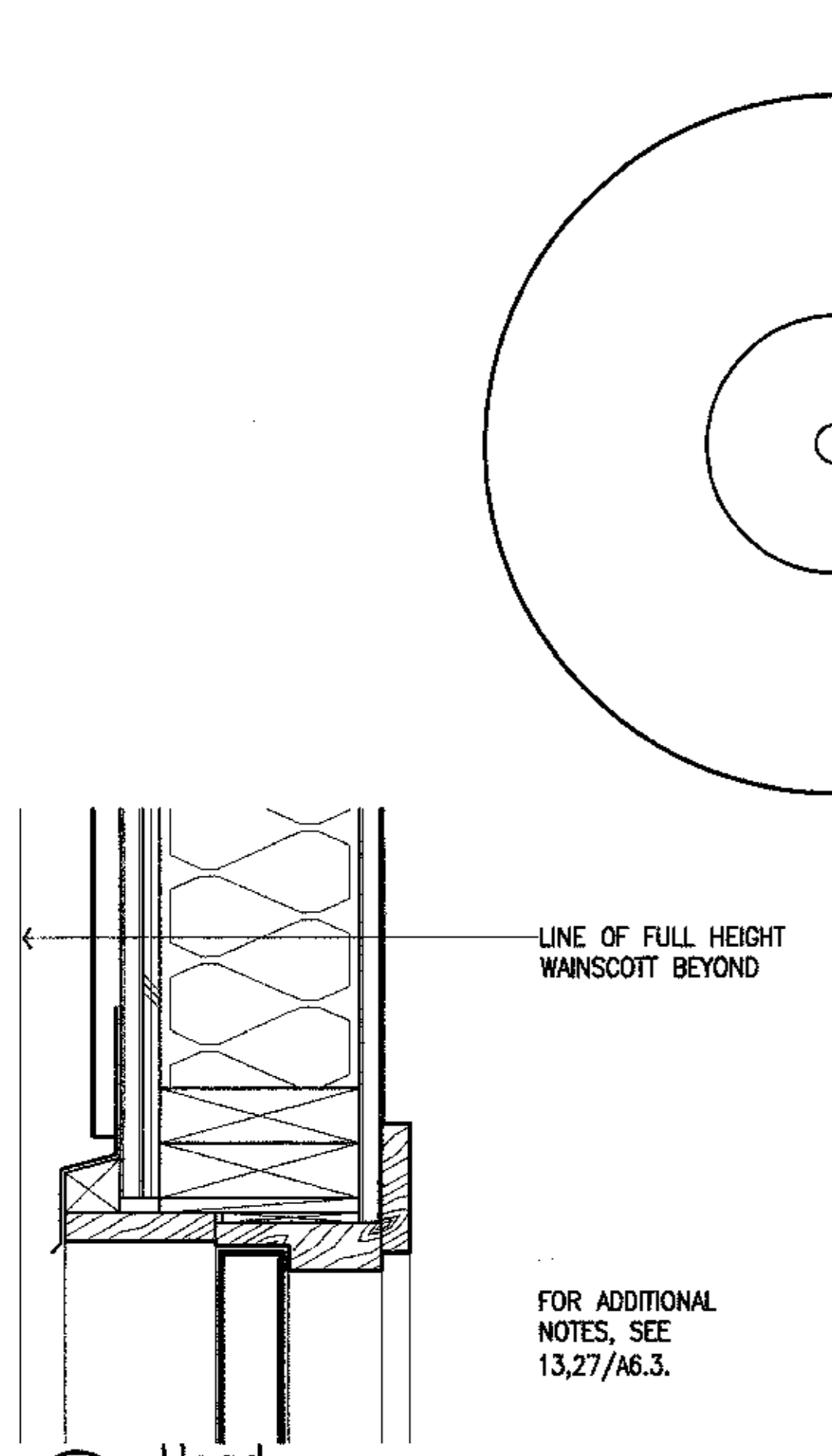
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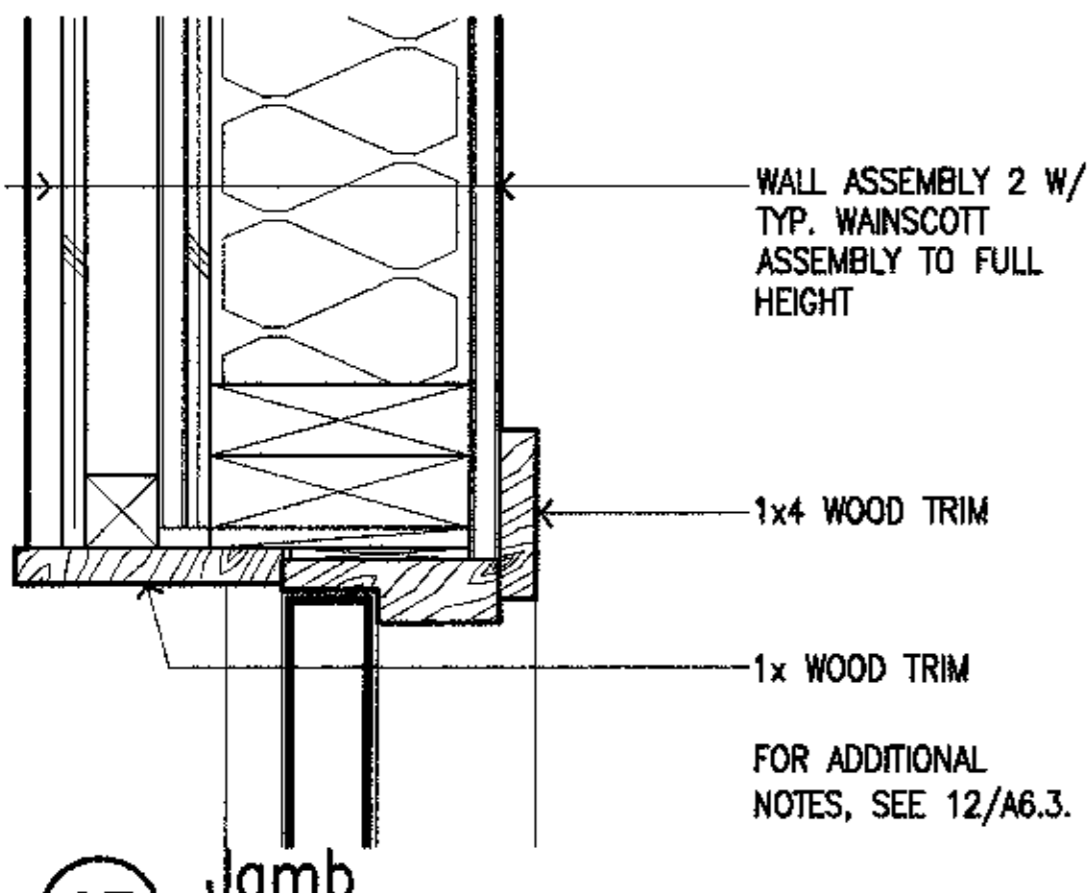
22 Jamb
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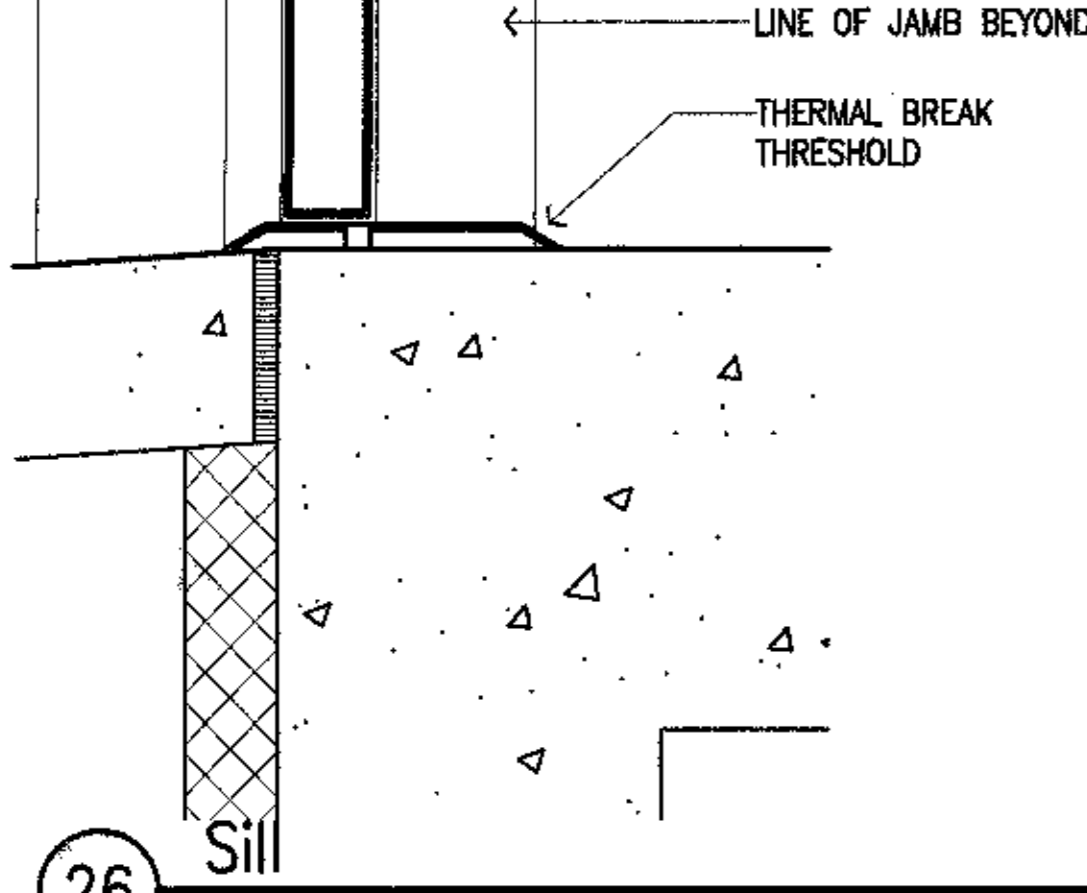
21 Sill
 SCALE: 3"=1'-0"



28 Head
 SCALE: 3"=1'-0"



27 Jamb
 SCALE: 3"=1'-0"



26 Sill
 SCALE: 3"=1'-0"

ALASKA NATIVE HERITAGE CENTER
 ANHC ANCHORAGE, ALASKA
 OPENING DETAILS

Revisions

CONFORMED DRAWINGS

Date 04/17/98
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 EXTERIOR DETAILS

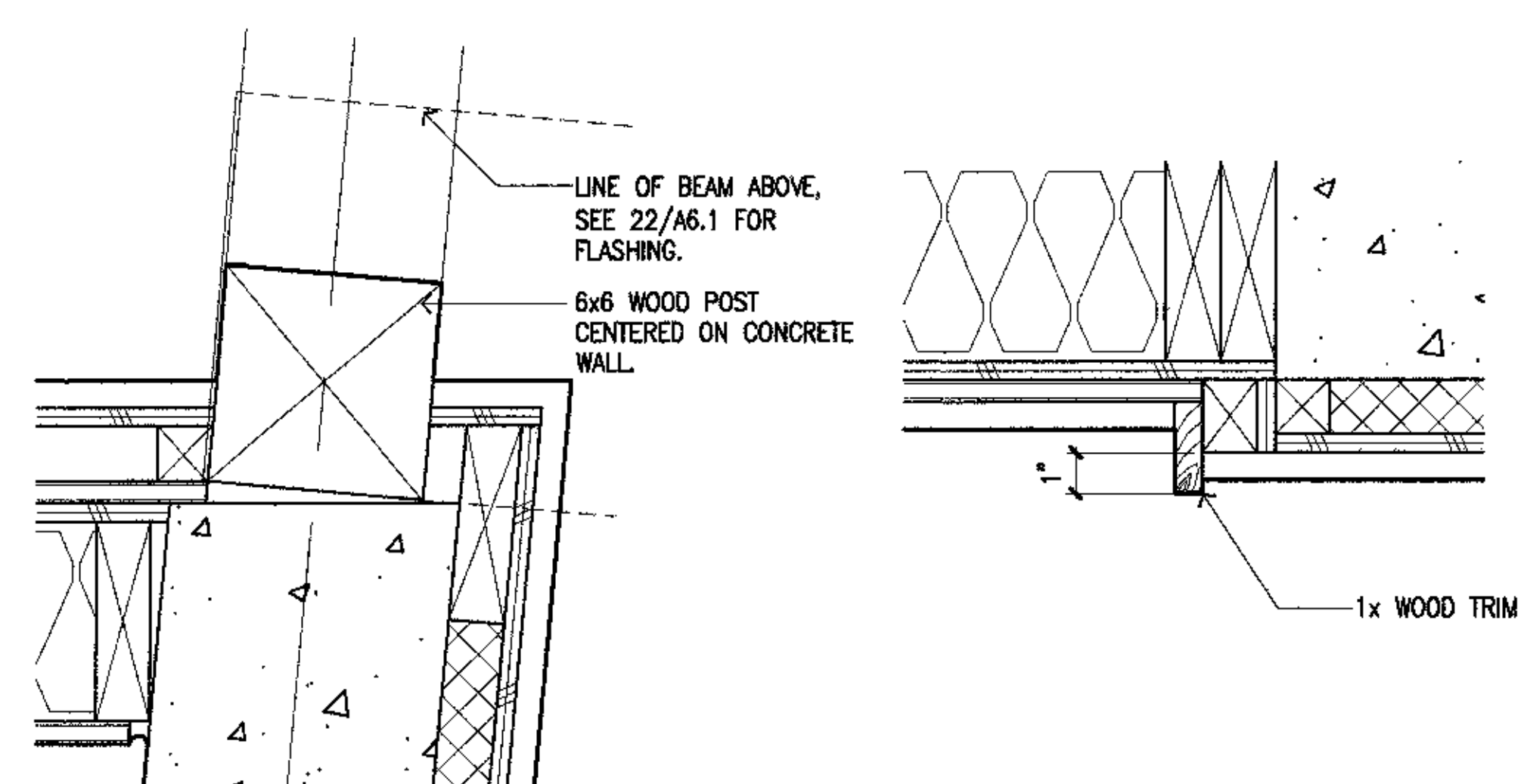
Revisions

CONFORMED DRAWINGS

Date 04/17/98
 Drawn MLT, FWP
 Checked RRR
 Job No. 95023

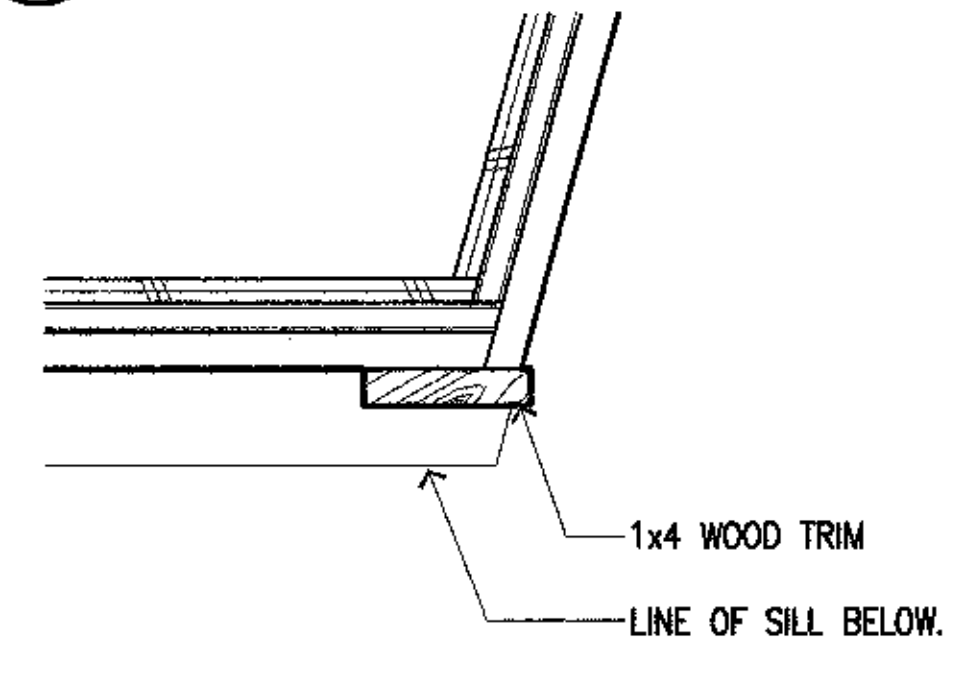
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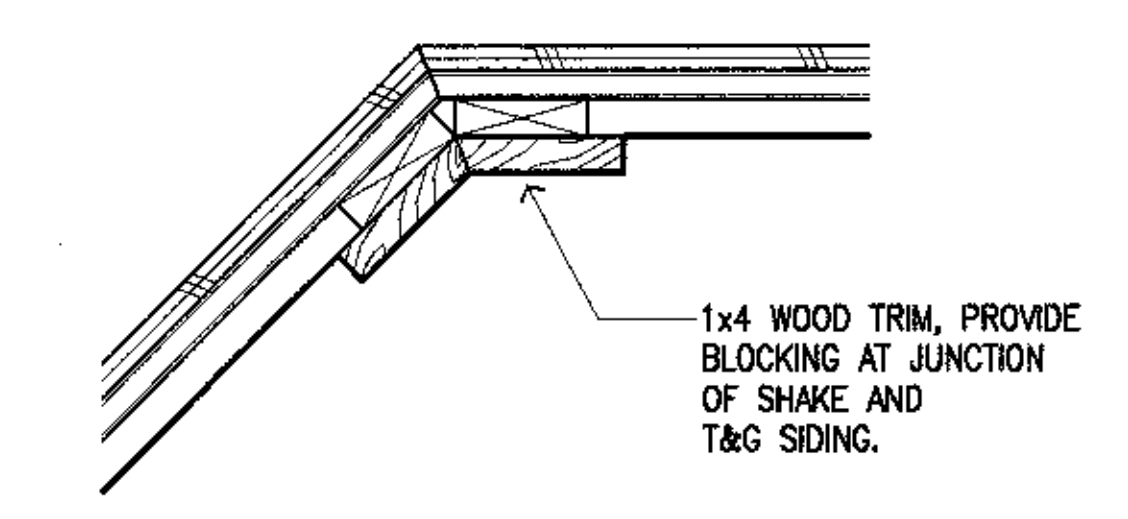


5 TRIM DETAIL
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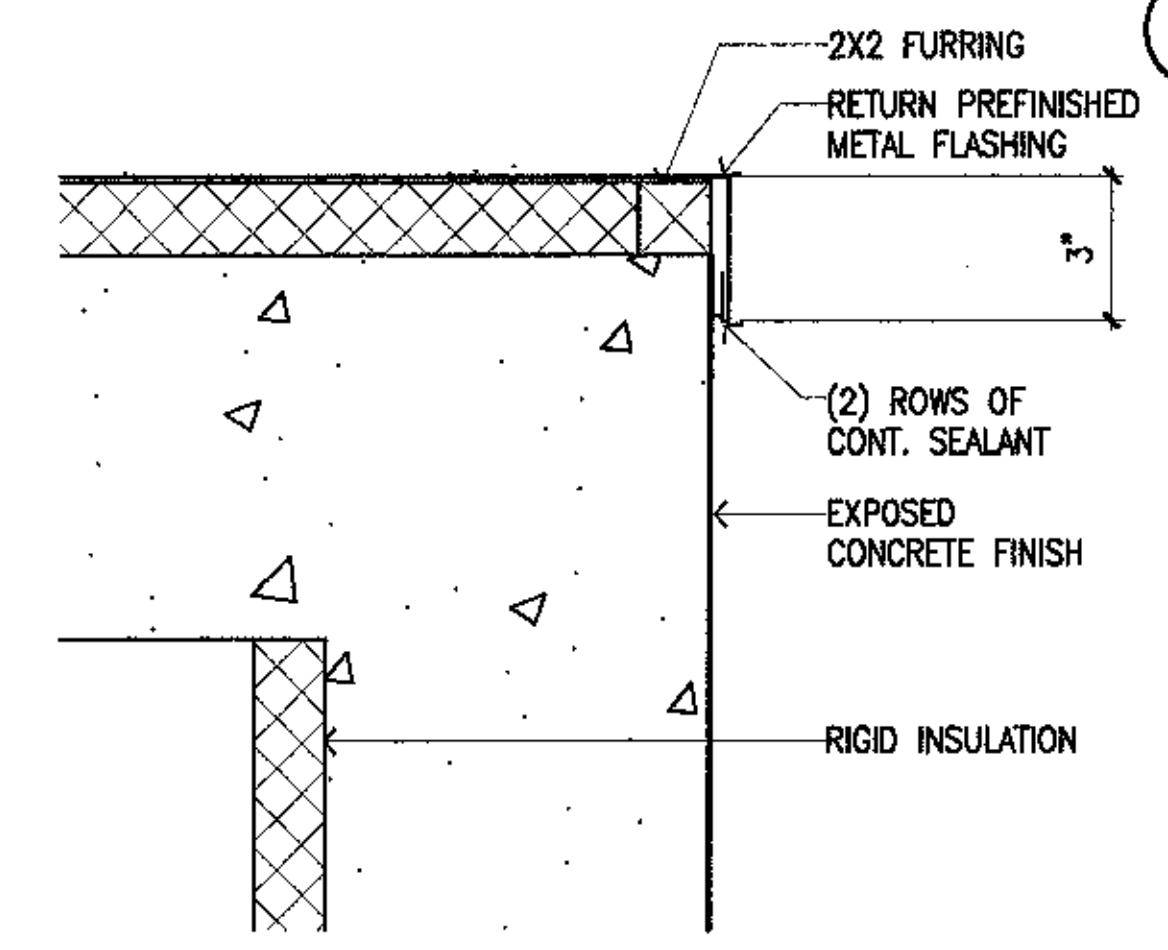
10 CORNER @ POST
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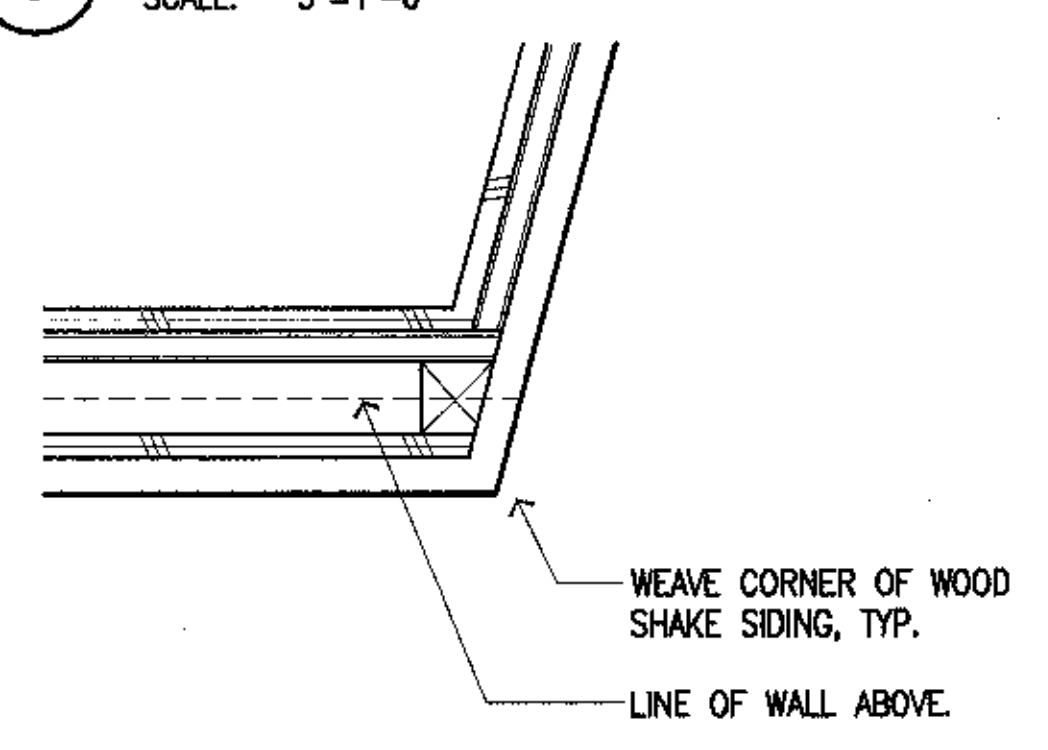
9 CORNER ABOVE SILL
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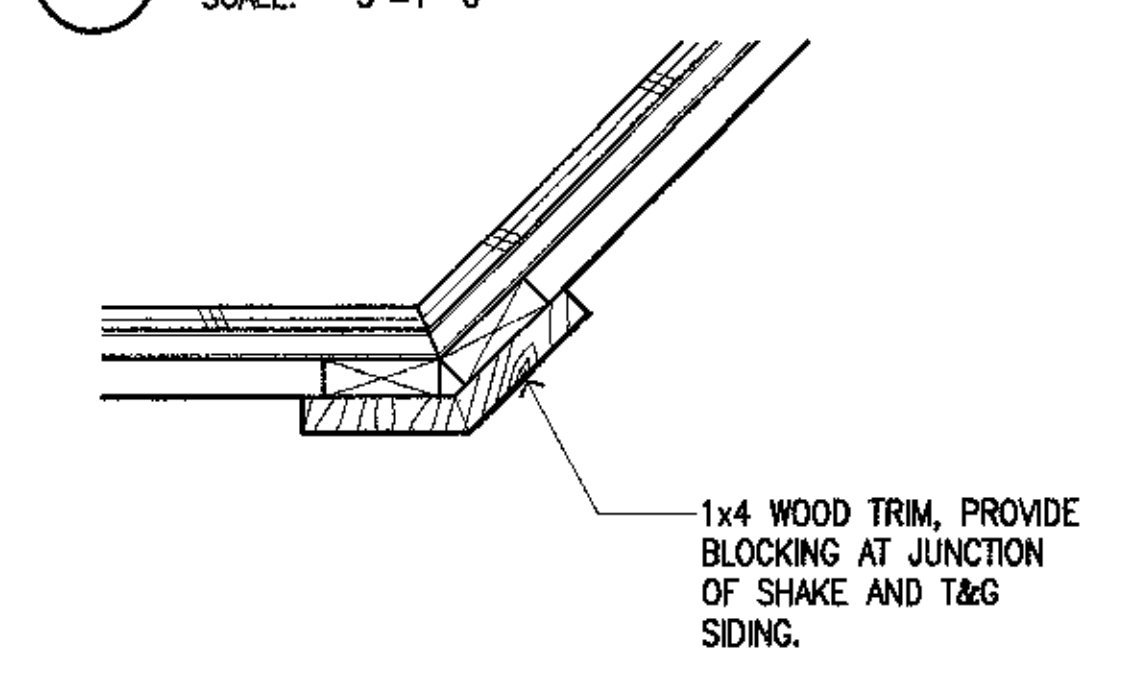
4 INSIDE CORNER
 SCALE: 3"=1'-0"



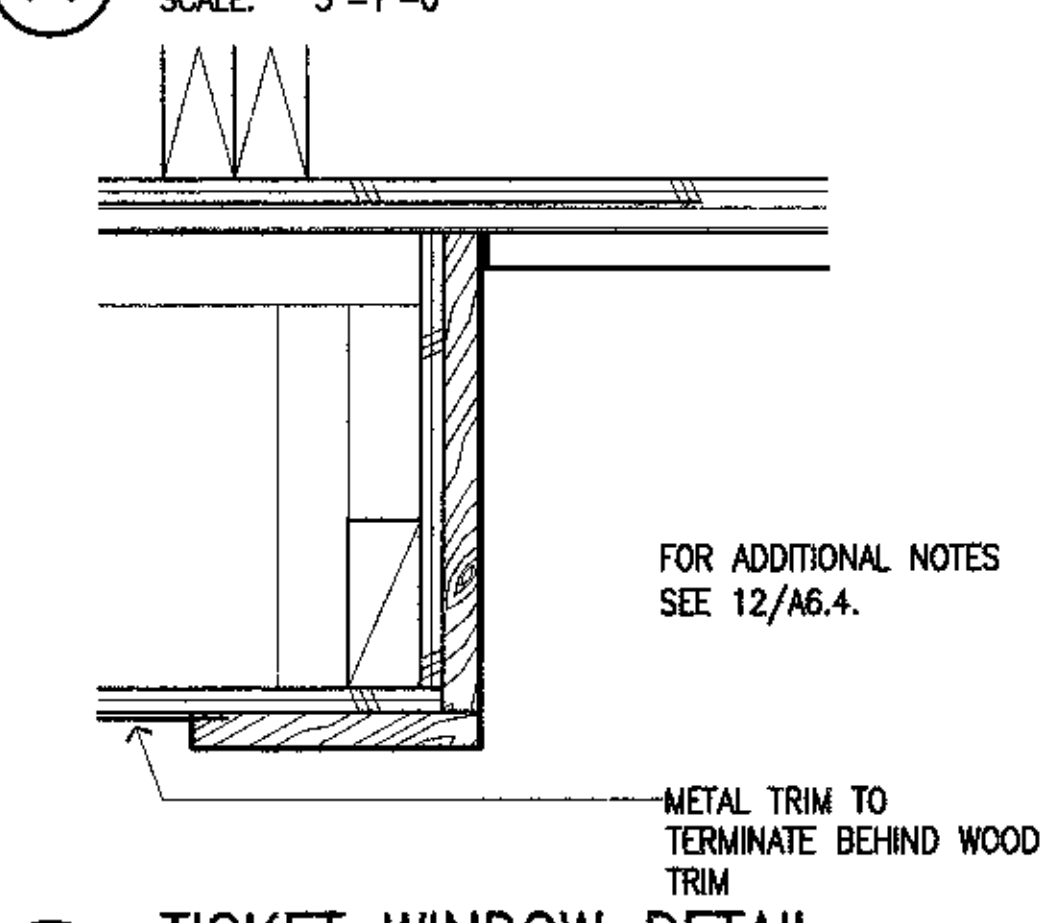
14 CORNER @ FOUNDATION
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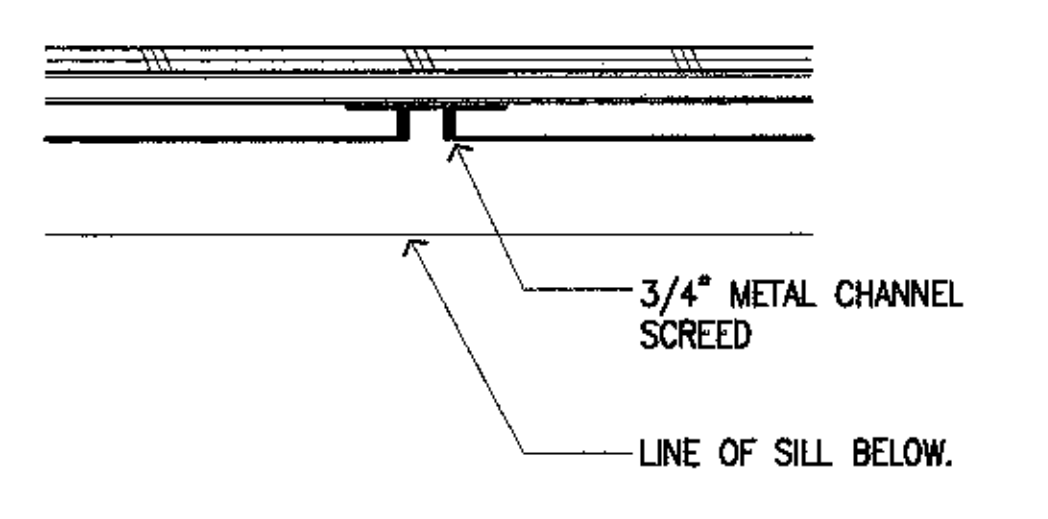
8 CORNER BELOW SILL
 SCALE: 3"=1'-0"



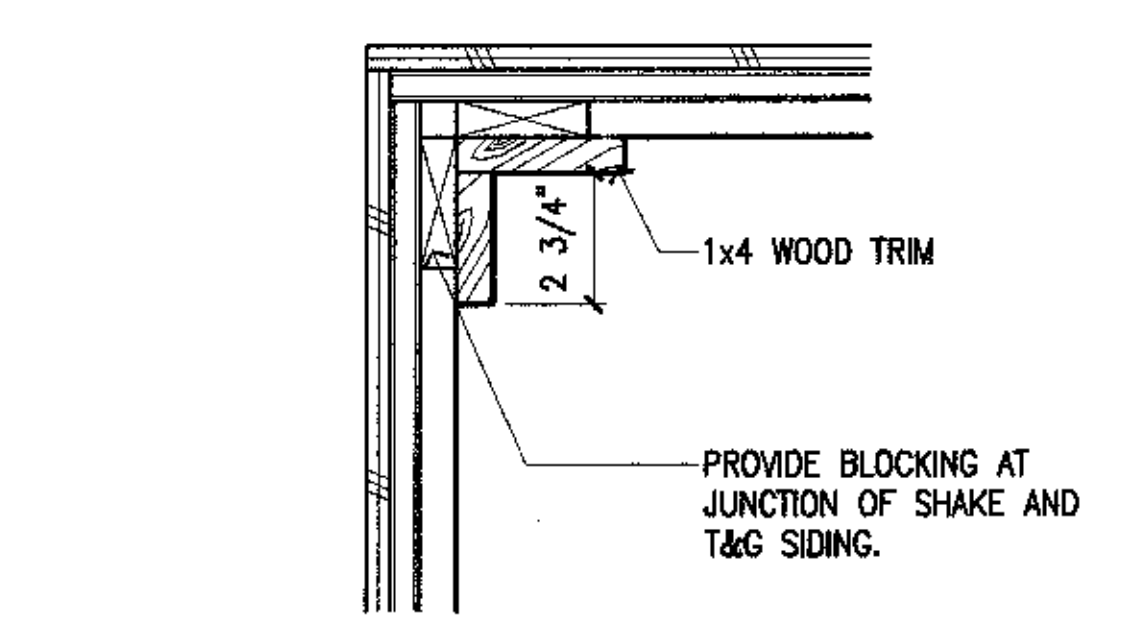
3 OUTSIDE CORNER
 SCALE: 3"=1'-0"



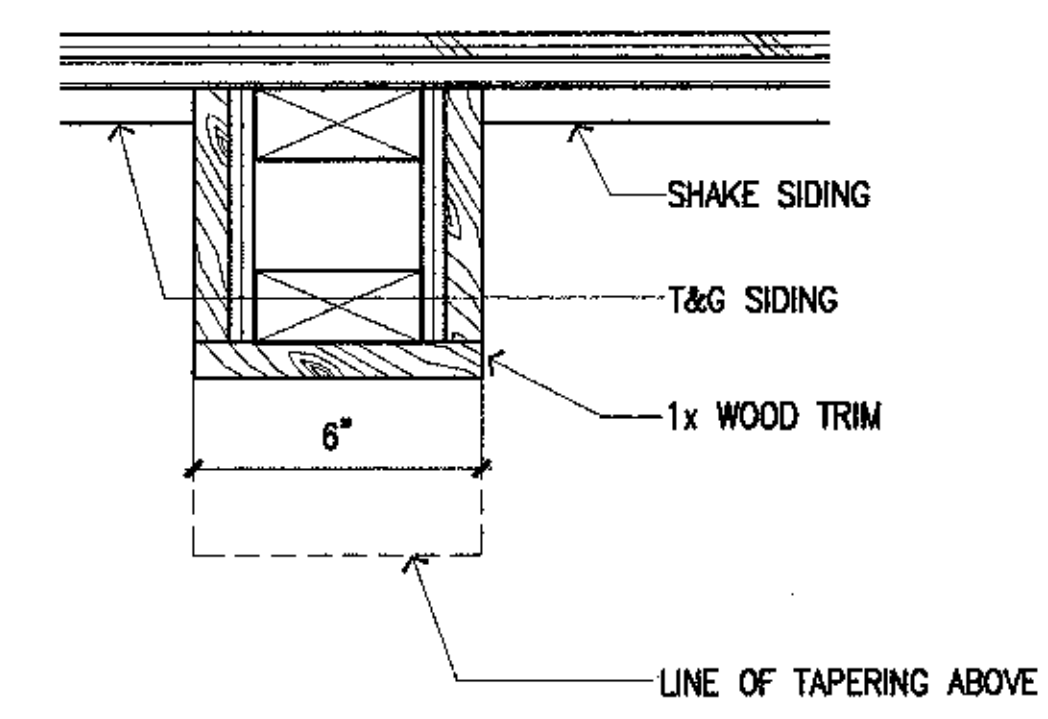
13 TICKET WINDOW DETAIL
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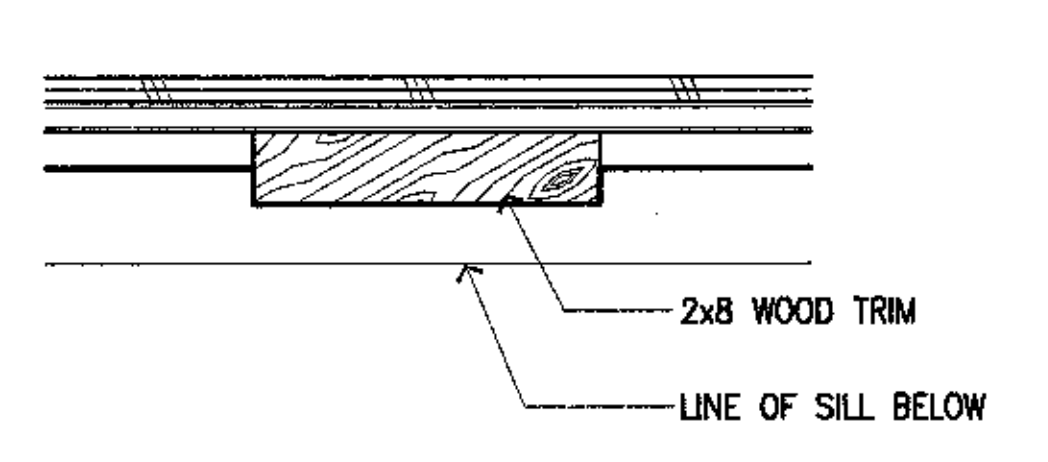
7 TRIM DETAIL
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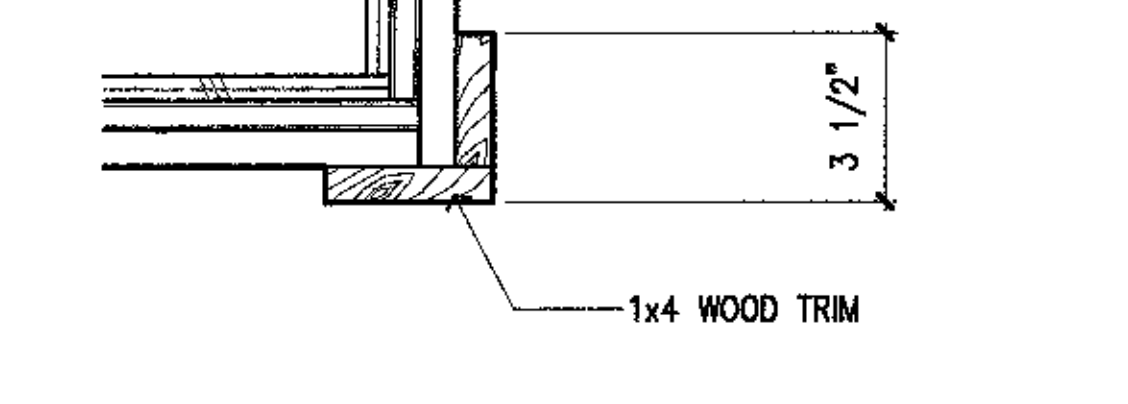
2 INSIDE CORNER
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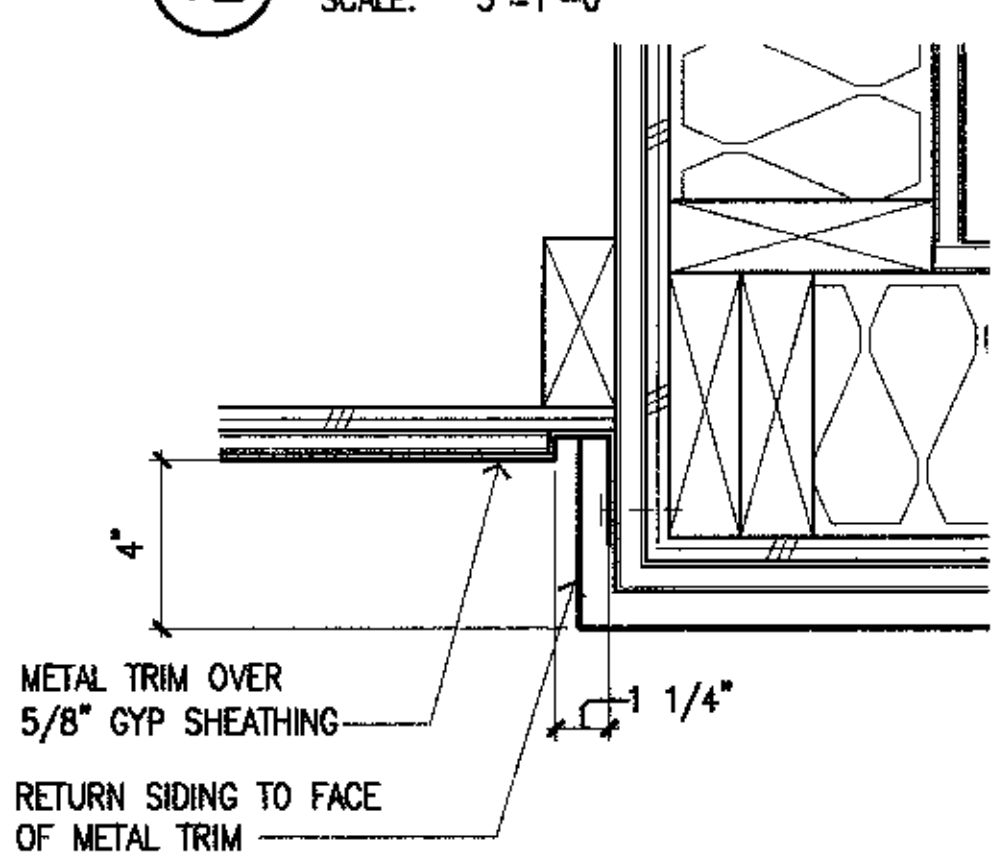
12 TICKET WINDOW DETAIL
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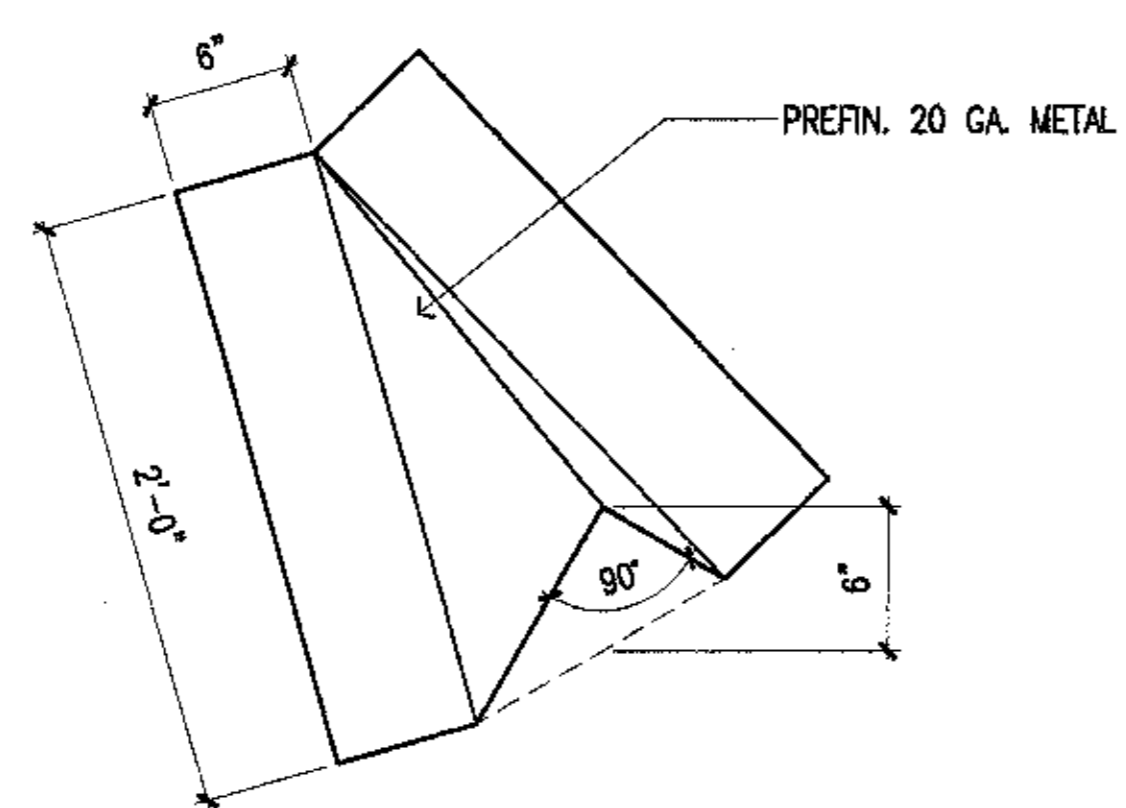
6 TRIM DETAIL
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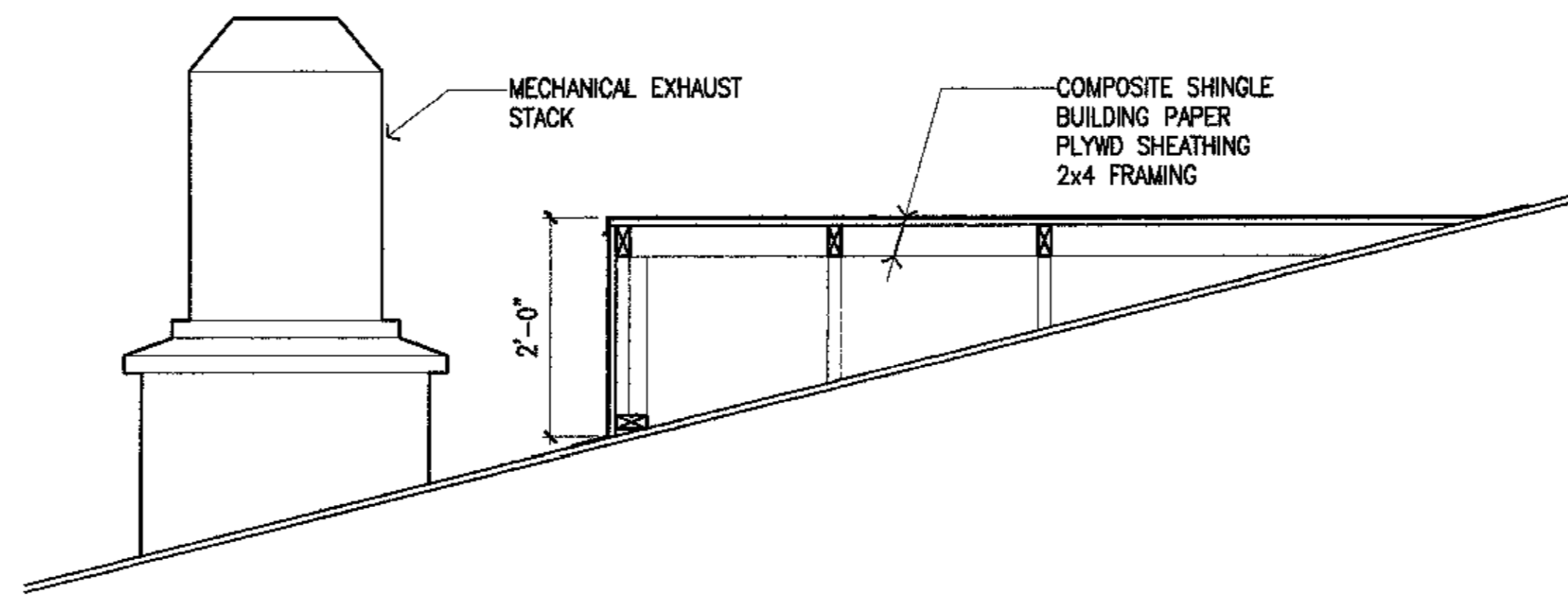
1 OUTSIDE CORNER
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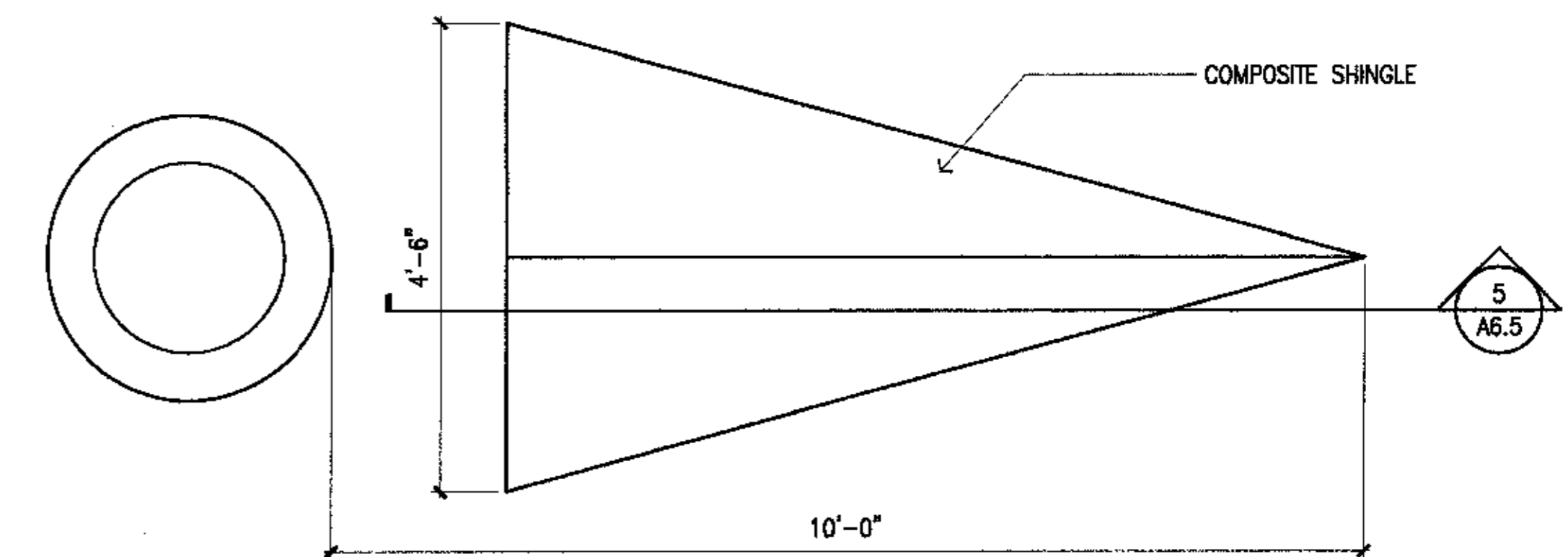
11 TRIM @ ENTRY CANOPY
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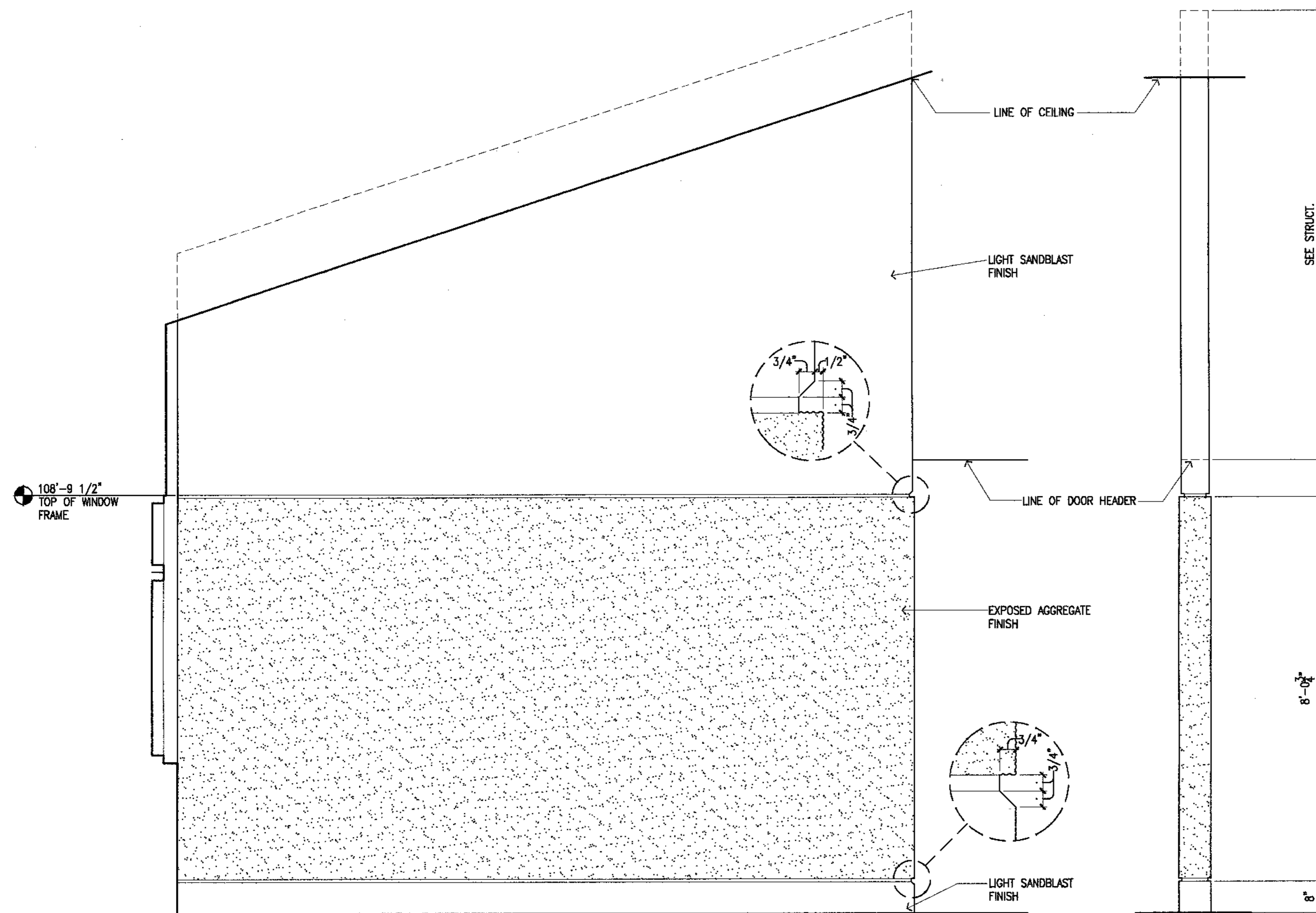
6 Metal Diverter Cricket
SCALE: 3/4" = 1'-0"



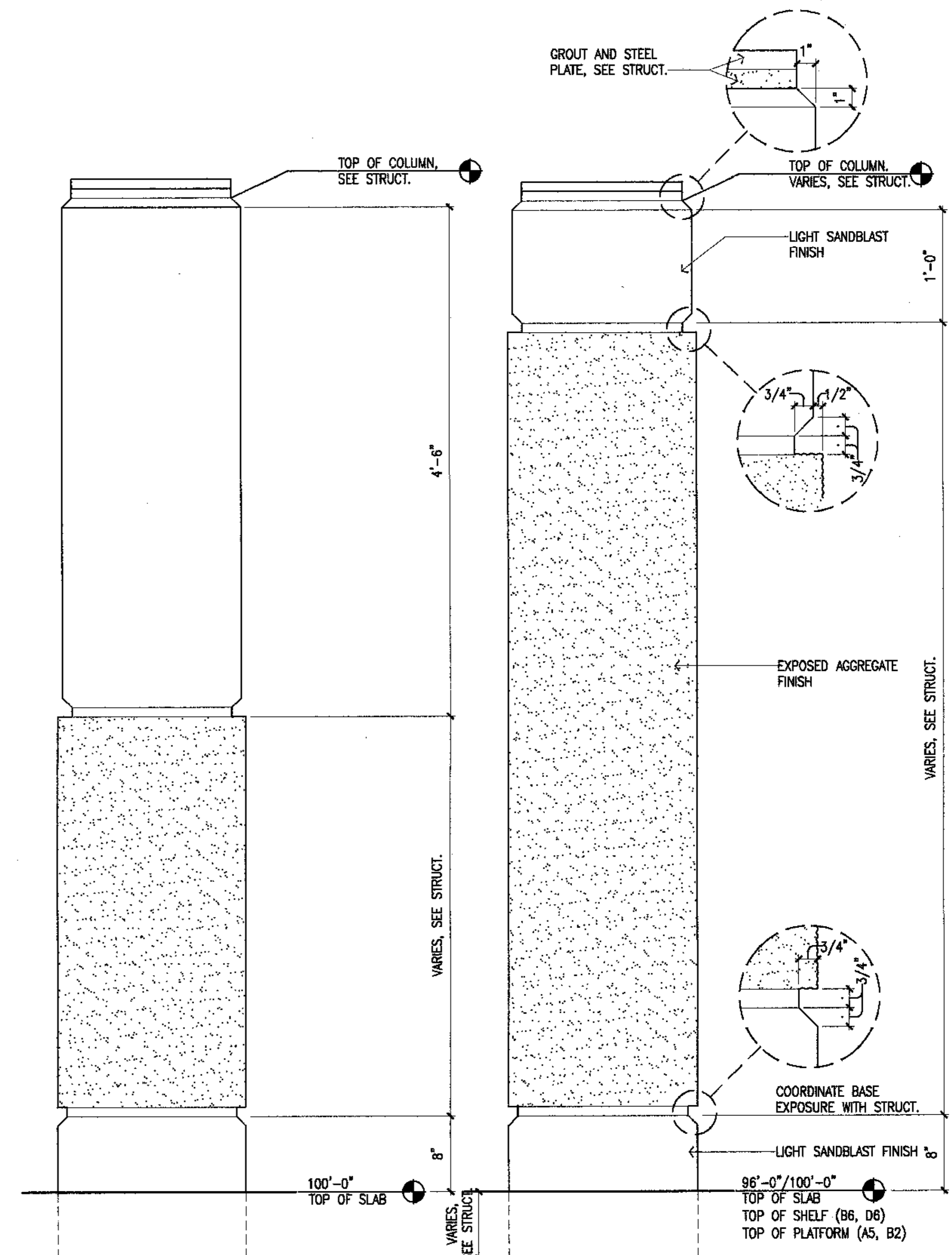
5 Diverter Cricket Section
SCALE: 3/4" = 1'-0"



4 Diverter Cricket Plan
SCALE: 3/4" = 1'-0"



3 Wall @ Studios
SCALE: 3/4" = 1'-0"



2 Columns @ Exhibition
SCALE: 1 1/2" = 1'-0"

1 Typical Column
SCALE: 1 1/2" = 1'-0"



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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
DETAILS

Revisions

CONFORMED DRAWINGS

Date 04/17/98
Drawn PMD
Checked RRR
Job No. 95023
Sheet No.

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GENERAL WATER & SEWER NOTES

- 1U. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH "ALASKA NATIVE HERITAGE CENTER" SPECIFICATIONS.
- 2U. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. UTILITY LOCATES SHALL BE OBTAINED PRIOR TO START OF CONSTRUCTION. EXERCISE CAUTION DURING EXCAVATION.
- 3U. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON RED-LINED PLANS FOR SUBMITTAL WITH AS-BUILT PLANS.
- 4U. CONTRACTOR TO VERIFY INVERTS AND LOCATIONS OF ALL CONNECTION POINTS PRIOR TO LAYING ANY PIPE. DISCREPANCIES FROM THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S REPRESENTATIVE.
- 5U. STATIONING IS ALONG CENTERLINE OF PIPE. ELEVATIONS ARE TO PIPE INVERT, UNLESS OTHERWISE INDICATED.
- 6U. MAINTAIN MINIMUM TEN-FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SEWER AND WATER LINES AND SERVICES AT ANY POINT. MAINTAIN MINIMUM HORIZONTAL SEPARATION DISTANCES BETWEEN SURFACE OR SUBSURFACE DRINKING WATER SOURCES AND POTENTIAL SOURCES OF CONTAMINATION PER ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION 1993 DRINKING WATER REGULATIONS.
- 7U. ALL WATER MAINS SHALL BE CLASS 52, DUCTILE IRON PIPE UNLESS NOTED OTHERWISE.
- 8U. PIPE BEDDING SHALL BE CLASS C, PER MASS. TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY.
- 9U. NO PIPE LENGTH LESS THAN 8'-0" SHALL BE INCORPORATED IN THE SYSTEM EXCEPT THOSE NECESSARY FOR FIRE HYDRANTS OR GATE VALVE LOCATIONS.
- 10U. ALL DUCTILE IRON PIPE AND FITTINGS INSTALLED SHALL BE WRAPPED WITH A LAYER OF POLYETHYLENE ENCASMENT MATERIAL EIGHT (8) MILS THICK AND CONFORMING TO THE LATEST EDITIONS OF ANS/AWWA A21.5/C105, THE POLYETHYLENE ENCASMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE METHODS DESCRIBED IN THE LATEST EDITIONS OF ANS/AWWA A21.5/C105 AND THE DUCTILE IRON PIPE RESEARCH ASSOCIATION'S "A GUIDE FOR THE INSTALLATION OF DUCTILE IRON PIPE".
- 11U. THRUST BLOCKS SHALL BE PROVIDED ON ALL WATERLINE TEES, BENDS, AND SUBROUTS PER DETAIL 4/06.1, UNLESS AWWA APPROVED RESTRAINED JOINTS ARE INSTALLED.
- 12U. THE CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO EXISTING CONDITIONS.
- 13U. PROVIDE TIE-RODS OR RESTRAINED JOINT PIPE ON ALL WATER SERVICE LINES CONNECTING TO SPRINKLER SYSTEMS.
- 14U. ALL SEWER MAINS SHALL BE CLASS 50, DUCTILE IRON PIPE, UNLESS NOTED OTHERWISE.
- 15U. SANITARY SEWER SERVICE LINE TO SERVE ALASKA NATIVE HERITAGE CENTER, THE 6 INCH SERVICE LINE SHALL HAVE A MINIMUM SLOPE OF ONE PERCENT.

ABBREVIATIONS

| | |
|--------|---|
| AC | ASPHALT CEMENT |
| B.C. | BRASS CAP |
| BOE | BOTTOM OF EXCAVATION |
| CL | CLASS |
| CMF | CORRUGATED METAL PIPE |
| CO | CLEAR CUT |
| C.O. | COORDINATE |
| CPEP | CORRUGATED POLYETHYLENE PIPE |
| D.I.P. | DUCTILE IRON PIPE |
| EL | ELEVATION |
| FES | FLARED END SECTION |
| FF | FINISH FLOOR |
| FG | FINISH GRADE |
| FL | FLOW LINE |
| G | GAS |
| G.B. | GRADE BREAK |
| G.C. | GENERAL CONTRACTOR |
| G.V. | GATE VALVE |
| HDPE | HIGH DENSITY POLYETHYLENE |
| HP | HIGH PRESSURE |
| INV. | PIPE INVERT |
| LP | LOW POINT |
| LT | LEFT |
| MASS | MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS |
| ME | MATCH EXISTING |
| MIN. | MINIMUM |
| MPOC | MID POINT OF CURVE |
| MOA | MUNICIPALITY OF ANCHORAGE |
| N.L.C. | NOT IN CONTRACT |
| O.H.E. | OVERHEAD ELECTRIC |
| P.C. | POINT OF CURVE |
| P.C.C. | PORTLAND CEMENT CONCRETE |
| PCMP | PRECOATED CORRUGATED METAL PIPE |
| PERF | PERFORATED |
| PL | PROPERTY LINE |
| PL | POINT OF TANGENT |
| PV | POINT OF VERTICAL CURVE |
| P.V.M | PAVEMENT |
| PVT | POINT OF TANGENT |
| R | RADIUS |
| RT | RIGHT |
| S | SEWER |
| SD | STORM DRAIN |
| SD | SLOPE OF PIPE INVERT |
| SSCO | SANITARY SEWER CLEANOUT |
| STA | STATION |
| TC | TOP OF CONCRETE |
| TCBC | TOP CENTER BACK OF CURB |
| TC | TOP OF CURB |
| TYP. | TYPICAL |
| W | WATER |
| WS | WATER SURFACE ELEVATION |

LEGEND

| EXISTING | | NEW | |
|----------|---|--------|---|
| ---- | PROPERTY LINE | ---- | PROPERTY LINE |
| ---- | ADJACENT PROPERTY LINE | ---- | ADJACENT PROPERTY LINE |
| ---- | EASEMENT LINE | ---- | EASEMENT LINE |
| ---- | EDGE OF PAVEMENT | ---- | EDGE OF PAVEMENT |
| ---- | PAVEMENT | ---- | PAVEMENT |
| ---- | GRAVEL ROAD | ---- | GRAVEL ROAD |
| ---- | CENTERLINE OF ROADWAY | ---- | CENTERLINE OF ROADWAY |
| ---- | FENCE | ---- | FENCE |
| ---- | CURB & GUTTER (WITH TYPE) | ---- | CURB & GUTTER (WITH TYPE) |
| ---- | CONCRETE PAD | ---- | CONCRETE PAD |
| ---- | SANITARY SEWER LINE | ---- | SANITARY SEWER LINE |
| ○ | SANITARY SEWER MANHOLE | ○ | SANITARY SEWER MANHOLE |
| ○ | FIRE HYDRANT | ○ | FIRE HYDRANT |
| M | WATER VALVE | M | WATER VALVE |
| + | LIGHT POLE | + | LIGHT POLE |
| ○ TB-1 | TEST BORING | ○ TB-1 | TEST BORING |
| ○ TP-2 | TEST PIT | ○ TP-2 | TEST PIT |
| ○ | SPOT ELEVATION | 101.52 | SPOT ELEVATION |
| --- | SURFACE GRADE | 2% | SURFACE GRADE |
| --- | CONTOUR LINE | 103 | CONTOUR LINE |
| ○ | SURVEY MONUMENTATION | ○ | SURVEY MONUMENTATION |
| --- | GAS LINE | --- | GAS LINE |
| -U/E- | UNDERGROUND ELECTRIC LINE | --- | UNDERGROUND ELECTRIC LINE |
| --- | WATER LINE | --- | WATER LINE |
| --- | STORM DRAIN MANHOLE | --- | STORM DRAIN MANHOLE |
| --- | STORM DRAIN LINE | --- | STORM DRAIN LINE |
| --- | COORDINATE POINT | --- | COORDINATE POINT |
| --- | UNDERGROUND TELEPHONE | --- | UNDERGROUND TELEPHONE |
| --- | CULVERT | --- | CULVERT |
| --- | SURVEY CONTROL LINE | --- | SURVEY CONTROL LINE |
| --- | CATCHBASIN/CATCHBASIN MANHOLE (IN CURB) | --- | CATCHBASIN/CATCHBASIN MANHOLE (IN CURB) |
| --- | CATCHBASIN/CATCHBASIN MANHOLE (FIELD INLET) | --- | CATCHBASIN/CATCHBASIN MANHOLE (FIELD INLET) |
| --- | OVERHEAD ELECTRIC | --- | OVERHEAD ELECTRIC |
| --- | BUILDING GRAVEL PAD LIMIT | --- | BUILDING GRAVEL PAD LIMIT |
| --- | SITE GRAVEL PAD LIMIT | --- | SITE GRAVEL PAD LIMIT |
| --- | EDGE OF POND | --- | EDGE OF POND |
| --- | RIP/RAP OUTFALL | --- | RIP/RAP OUTFALL |

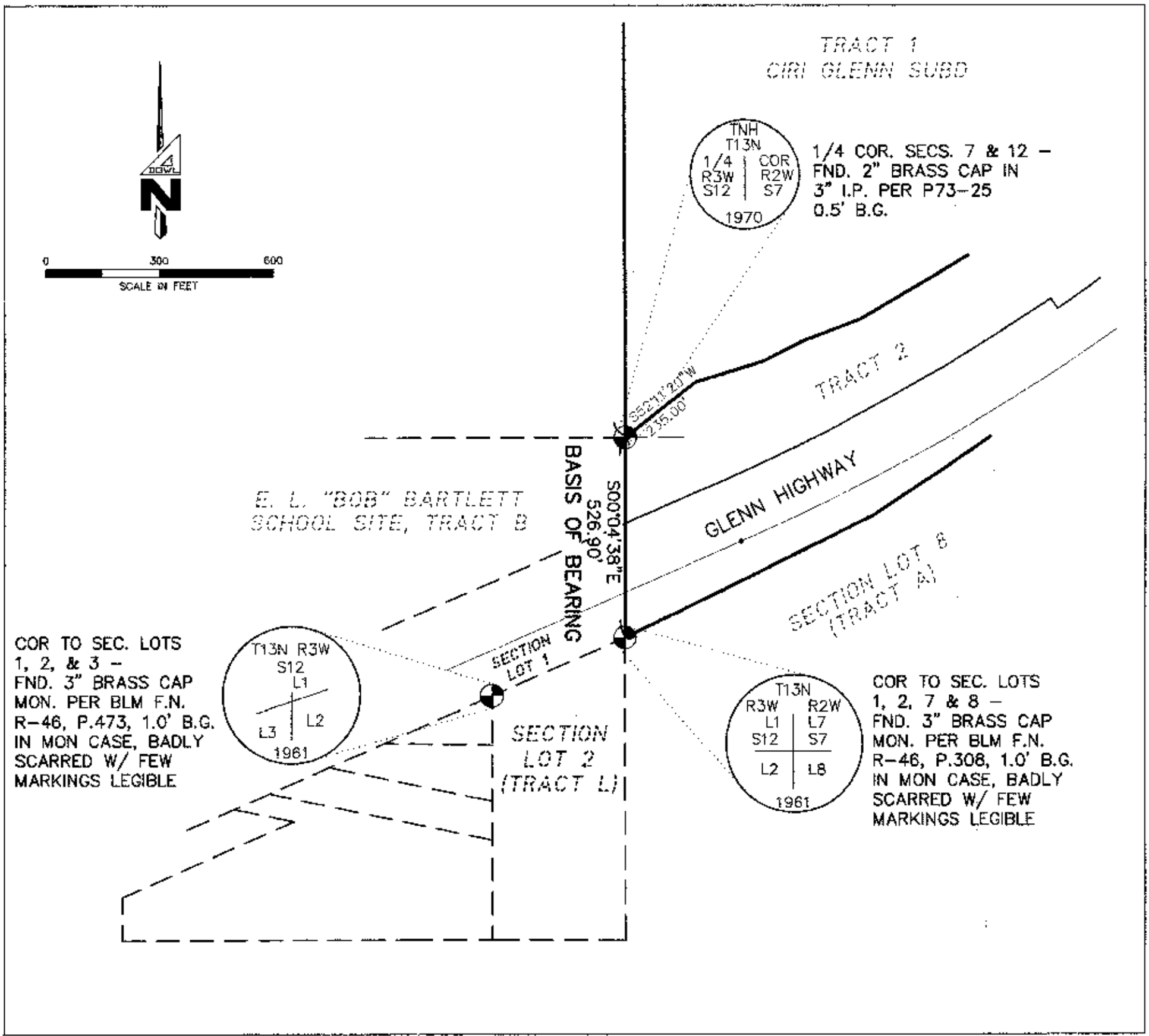
GENERAL NOTES

- 1G. EXISTING GROUND CONTOURS AROUND THE BUILDING AND PARKING AREAS ARE BASED ON DESIGN CONTOURS FROM PREVIOUS PHASE WORK. EXISTING GROUND CONTOURS BEYOND THE BUILDING, POND, BERMS, AND PARKING AREAS ARE BASED ON AERIAL TOPOGRAPHY. THE AERIAL TOPOGRAPHY IS AT TWO FOOT CONTOUR INTERVAL. THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID.
- 2G. SITE SOILS CONDITIONS ARE REPORTED IN THE SUBSURFACE INVESTIGATION REPORT DATED JANUARY 8, 1996 PREPARED BY DOWL ENGINEERS. SOIL BORING LOGS REFLECT THE MATERIAL AT THE BORE HOLE LOCATION ONLY. ANY INTERPRETATION OF MATERIAL BETWEEN THE BORINGS IS AT THE CONTRACTOR'S RISK. SOIL BORING LOCATIONS ARE SHOWN ON THE SITE PLAN. SOIL CONDITIONS WITHIN THE BUILDING, PARKING, AND POND HAVE BEEN MODIFIED DUE TO PREVIOUS PHASE WORK.
- 3G. ALL EXCAVATION SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.
- 4G. ELEVATIONS SHOWN ARE AT PIPE INVERT, FINISH GRADE, CURB AND GUTTER FLOW LINE, OR FINISH PAVEMENT SURFACE UNLESS INDICATED OTHERWISE.
- 5G. ALL COORDINATE VALUES ARE TO SURVEY CONTROL LINE INTERSECTION, OR SURVEY CONTROL MONUMENT UNLESS INDICATED OTHERWISE.
- 6G. DIMENSIONS ARE TO EDGE OF A.C. PAVEMENT, BACK OF CURB, CENTER OF PAINT STRIPE, HORIZONTAL CONTROL LINE, EDGE OF GRAVEL PAD, OR CENTER OF CULVERT UNLESS INDICATED OTHERWISE.
- 7G. THE LIMITS OF CLEARING WILL BE FLAGGED BY STRIPPING RIBBONS, PLACING STAKES, OR OTHERWISE IDENTIFYING THE BOUNDARY OF THE AREA TO BE CLEARED. WHEN THE CLEARING LIMITS HAVE BEEN STAKED, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE TO SCHEDULE AN INSPECTION OF THE CLEARING LIMITS. THE CONTRACTOR SHALL NOT CUT DOWN ANY TREES UNTIL APPROVAL OF THE CLEARING LIMITS HAS BEEN OBTAINED FROM THE OWNER'S REPRESENTATIVE.
- 8G. THE CONTRACTOR SHALL NOTIFY ALASKA DEPARTMENT OF CONSERVATION (ADEC) PRIOR TO CONSTRUCTION, AT 269-7500, FOR THE PURPOSES OF STORM WATER POLLUTION PREVENTION DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE CONTROLS TO LIMIT SEDIMENT DISCHARGE FROM THE SITE DURING CONSTRUCTION DUE TO SOIL EROSION. THESE CONTROLS SHALL INCLUDE THE GRASS LINED DITCHES AND SILTATION FENCE. ADDITIONAL CONTROLS MAY BE REQUIRED IF THE MEASURES SHOWN PROVE INADEQUATE. CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- 9G. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. UTILITY LOCATES SHALL BE OBTAINED PRIOR TO START OF CONSTRUCTION. EXERCISE CAUTION DURING EXCAVATION. CONTRACTOR SHALL NOTIFY FORT RICHARDSON FOR ELECTRICAL LOCATES.
- 10G. THE CONTRACTOR SHALL FOLLOW ALL MUNICIPALITY OF ANCHORAGE REGULATIONS FOR NOISE, HOURS OF OPERATIONS AND DUST CONTROL.
- 11G. SEE GENERAL WATER AND SEWER NOTES FOR ADDITIONAL INFORMATION.
- 12G. UNIT PRICE SHALL INCLUDE COSTS FOR EXCAVATING AND DISPOSAL OF ORGANICS BELOW THE LIMITS SHOWN ON THE PLANS AND COST FOR SUPPLYING, PLACEMENT, AND COMPACTION TO 95% OF CLASSIFIED FILL (TYPE B), AS REQUIRED.
- 13G. ALL ANHC ACCESS DRIVE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, UTILITIES, AND PARKS" (M.A.S.S.), 1994 EDITION.
- 14G. IN PREPARATION TO AND IMMEDIATELY PRIOR TO PAVING, CONTRACTOR SHALL SAW CUT AND REMOVE AN ADDITIONAL 12" FROM EXISTING PAVEMENT EDGE. THE ENGINEER MAY REQUIRE MORE THAN A 12" ADDITIONAL CUT IF THE EXISTING PAVEMENT HAS BEEN LIFTED IN THE REMOVAL PROCESS, IF THE JOINT DOES NOT OCCUR ON UNDISTURBED MATERIAL, OR IF THE JOINT IS LOCATED WITHIN THE TRAVEL LANE. CUTS MAY BE MADE WITH A SAW OR AIR CHISEL.

COORDINATE TABLE (TO BE PROVIDED PRIOR TO CONSTRUCTION)

| PNT | NORTHING | EASTING | PNT | NORTHING | EASTING | PNT | NORTHING | EASTING | PNT | NORTHING | EASTING |
|-----|----------|---------|-----|----------|---------|-----|----------|---------|-----|----------|---------|
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SURVEY CONTROL DIAGRAM



SURVEY CONTROL

HORIZONTAL CONTROL
HORIZONTAL CONTROL FOR THIS PROJECT IS TWO BRASS CAP MONUMENTS, THE FIRST LOCATED AT THE SOUTHWEST CORNER OF TRACT 1, CIRI GLENN SUBDIVISION AND THE SECOND 526.90 FEET S00°04'38"E OF THIS ON THE SOUTHERLY RIGHT-OF-WAY OF THE GLENN HIGHWAY.

VERTICAL CONTROL
VERTICAL CONTROL FOR THIS PROJECT IS BASED ON MOA BENCH MARK GAAB 10 DESCRIBED AS FOLLOWS:
BEGINNING AT THE INTERSECTION OF MULDOON ROAD AND BOUNDARY AVENUE, THENCE WESTERLY 272 FEET ALONG BOUNDARY AVENUE, THENCE SOUTHERLY 60 FEET TO THE NW CORNER OF A 70'x 270' COMMERCIAL BUILDING OCCUPIED BY BI-LO STORE, THE BC IS SET VERTICALLY IN THE NORTH FACE 0.5 FEET EAST OF SAID NW CORNER.
ELEVATION = 252.18

BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION

Locate Call Center of Alaska
Anchorage Area: 278-3121
Statewide: 800-478-3121
who will notify subscribed utilities only.
Other utilities need to be contacted individually.



| NO. | DATE | REVISIONS |
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| | | |
| | | |

A DOWL ENGINEERS
Anchorage, Alaska 99503
4040 "B" Street
PHONE (907) 862-2000
FAX (907) 862-3543

NOTES, LEGEND, & ABBREVIATIONS
ALASKA NATIVE HERITAGE CENTER
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

DESIGNED BY KRH/JCC
CHECKED BY WPH
DRAWN BY GLB
DATE 04/17/98
W.O. NO. D545579
F.B. NO. 865,1108
LOCATION ANCHORAGE
1042/1142

HORZ. NA
VERT. NA

SHEET 1
C1.1

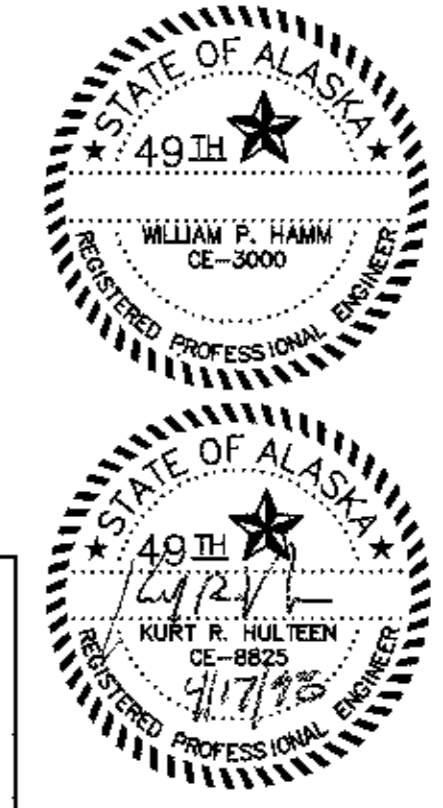
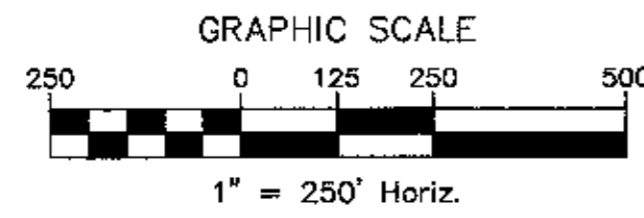
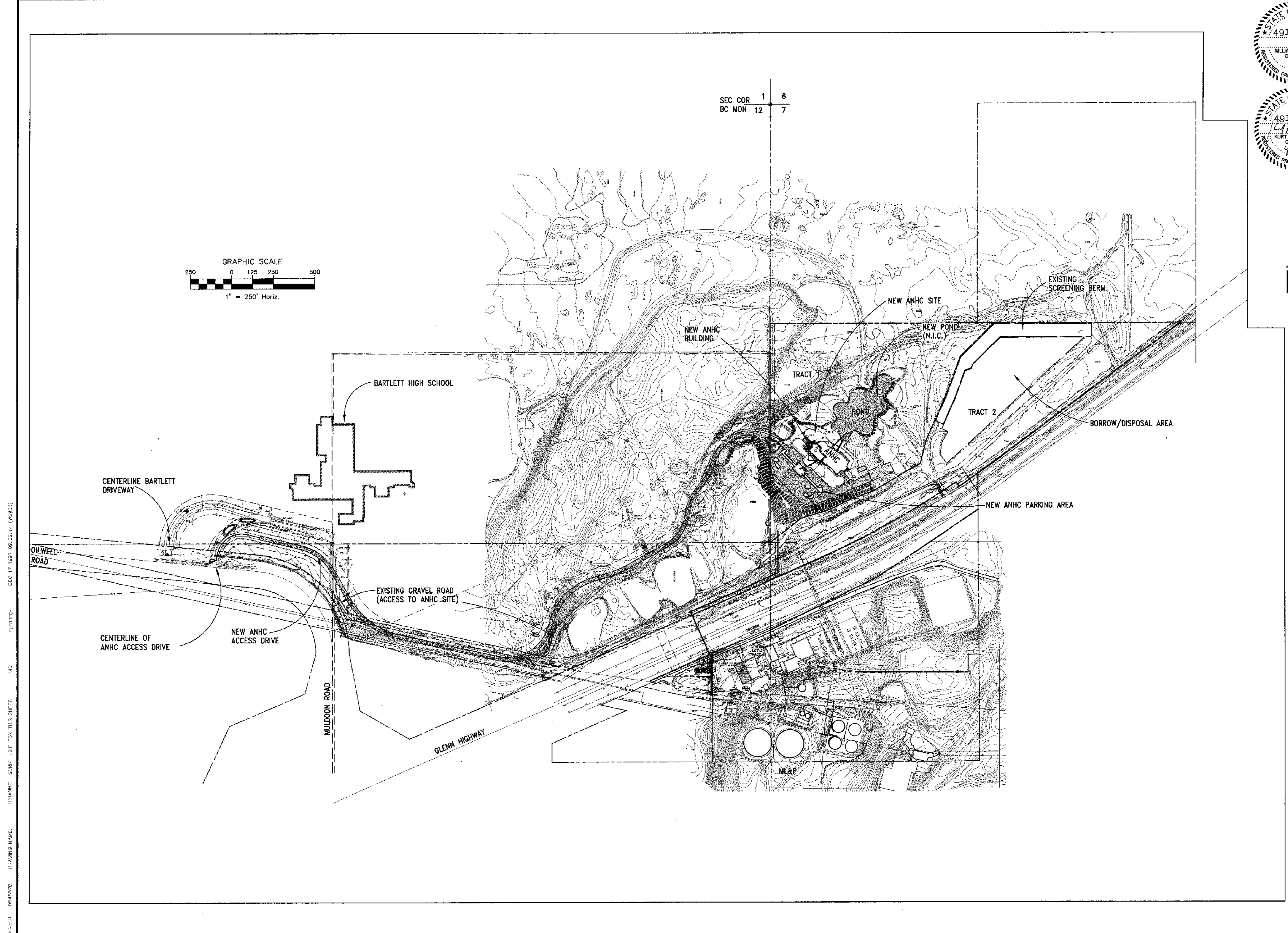
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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
NOTES, LEGEND, & ABBREVIATIONS

CONFORMED DRAWINGS

Date 04/17/98
Drawn GLB
Checked KRH
Job No. 95023
Sheet No.
C1.1
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SCALES INDICATED RELATE TO 30' X 42' FULL-SIZE DRAWINGS



| REV | DATE | DESCRIPTION |
|-----|------|-------------|
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| | | |

DOWL ENGINEERS
 Anchorage, Alaska 99503
 4040 75th Street
 Anchorage, Alaska 99503
 PHONE 907 662-2000
 FAX 907 662-2000

VICINITY MAP
ALASKA NATIVE HERITAGE CENTER
 TRACT 1, CRI GLENN SUBDIVISION, ANCHORAGE AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 04/17/98 |
| TWO NO. | 0545379 |
| F.B. NO. | 865,1109 |
| | 1180,1206 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| SCALE | |
| HORZ. | 1"=250' |
| VERT. | |
| SHEET | |
| C1.2 | |
| FILE NO. | 260-80 |

SCALES INDICATED RELATE TO FULL-SIZE DRAWINGS

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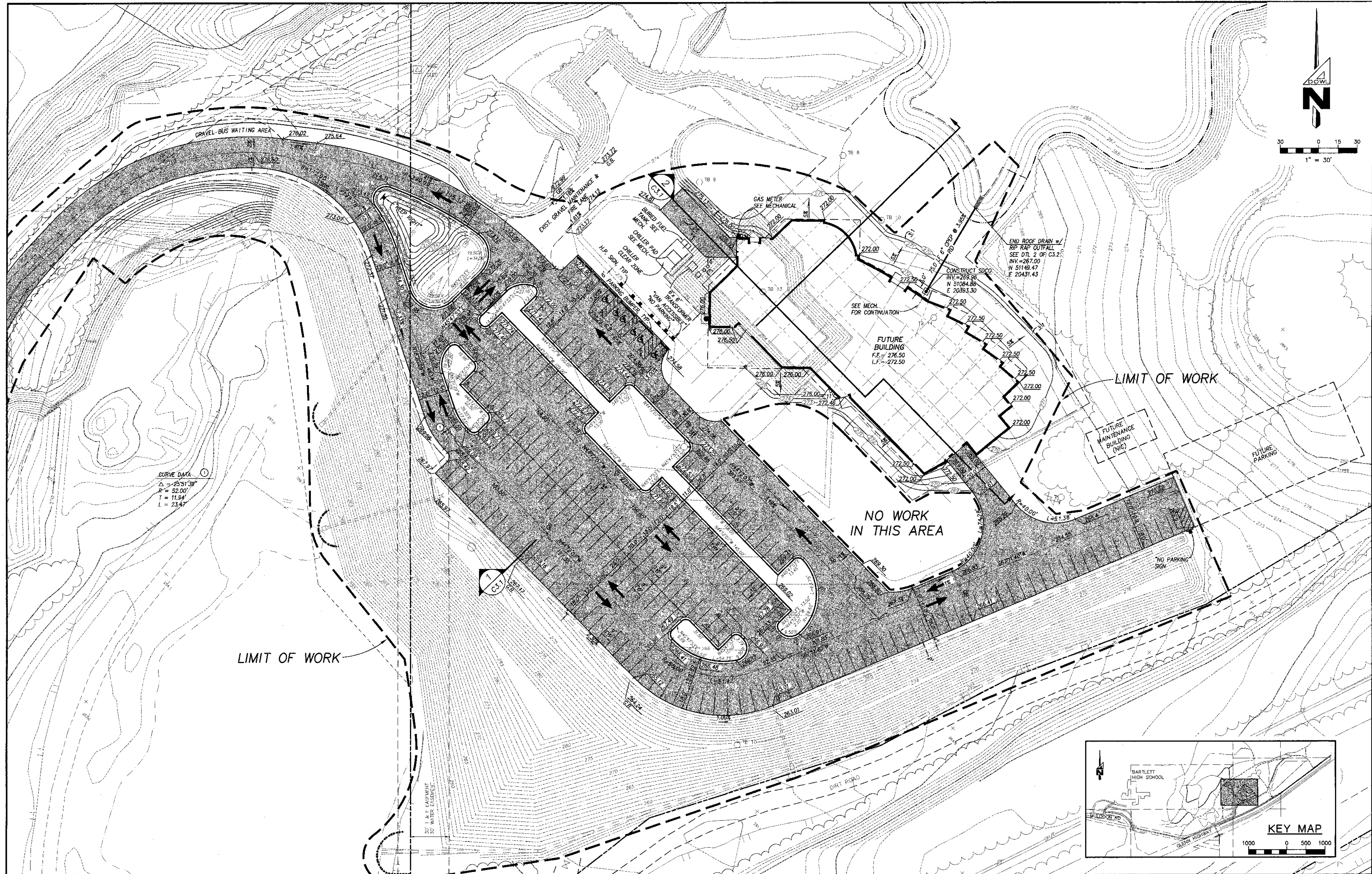
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 VICINITY MAP

Revisions

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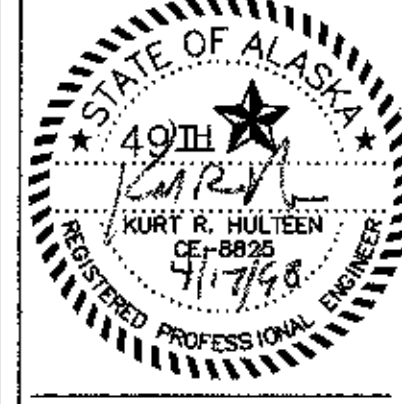
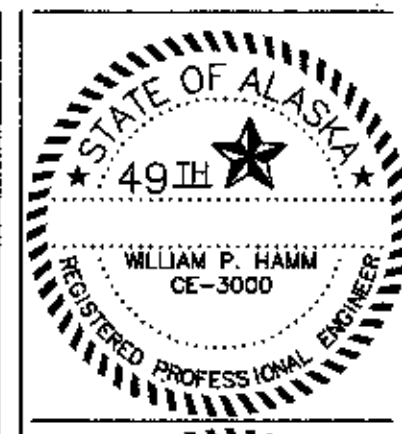
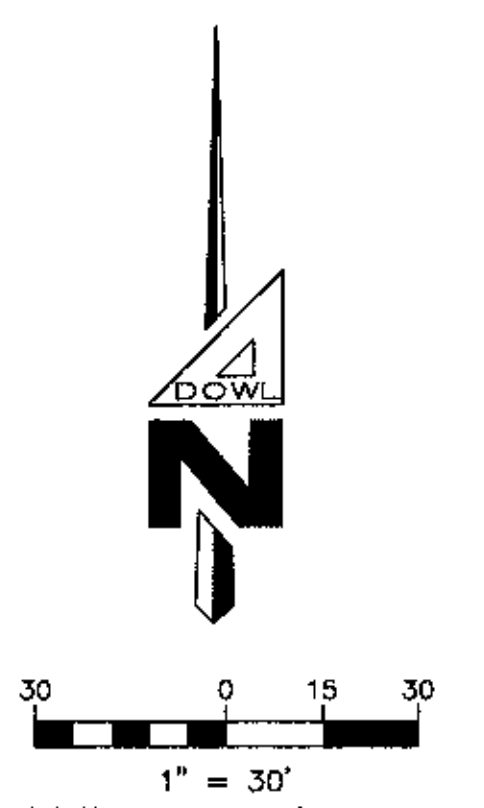
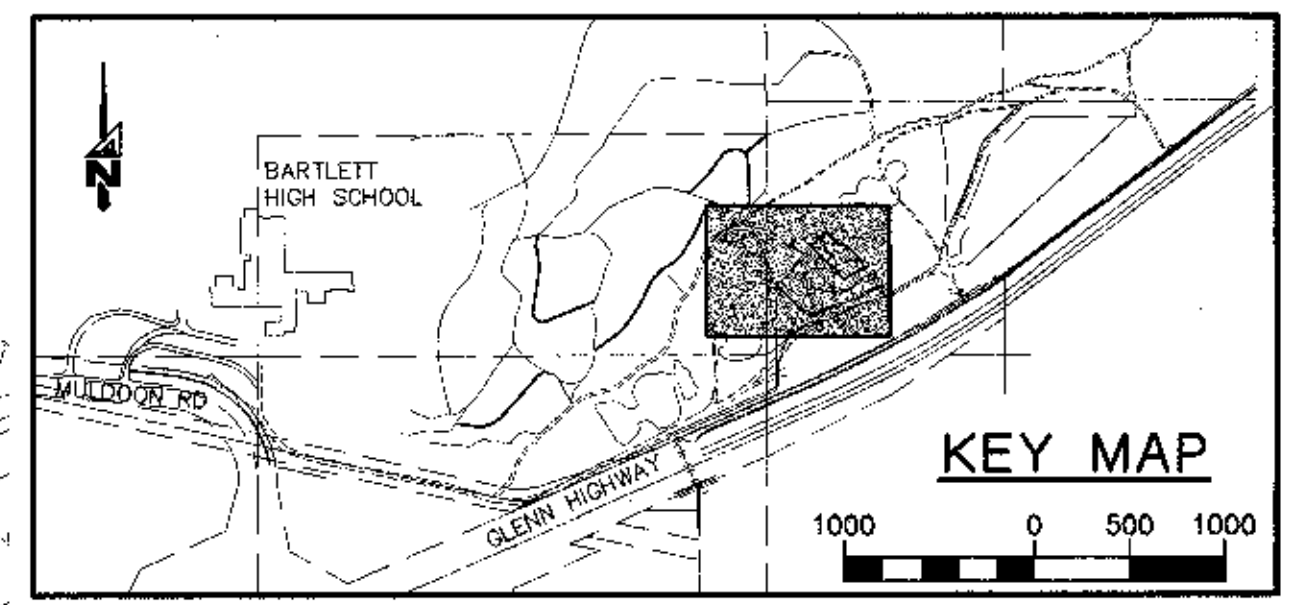
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 Sheet No.
C1.2
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CURVE DATA

| | |
|---|-----------|
| Δ | = 25.5139 |
| P | = 32.00 |
| T | = 11.94 |
| L | = 23.47 |



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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 SITE GRADING PLAN

Revisions

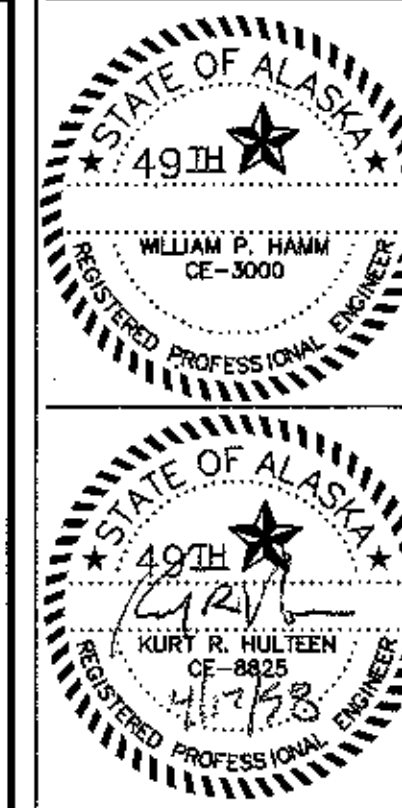
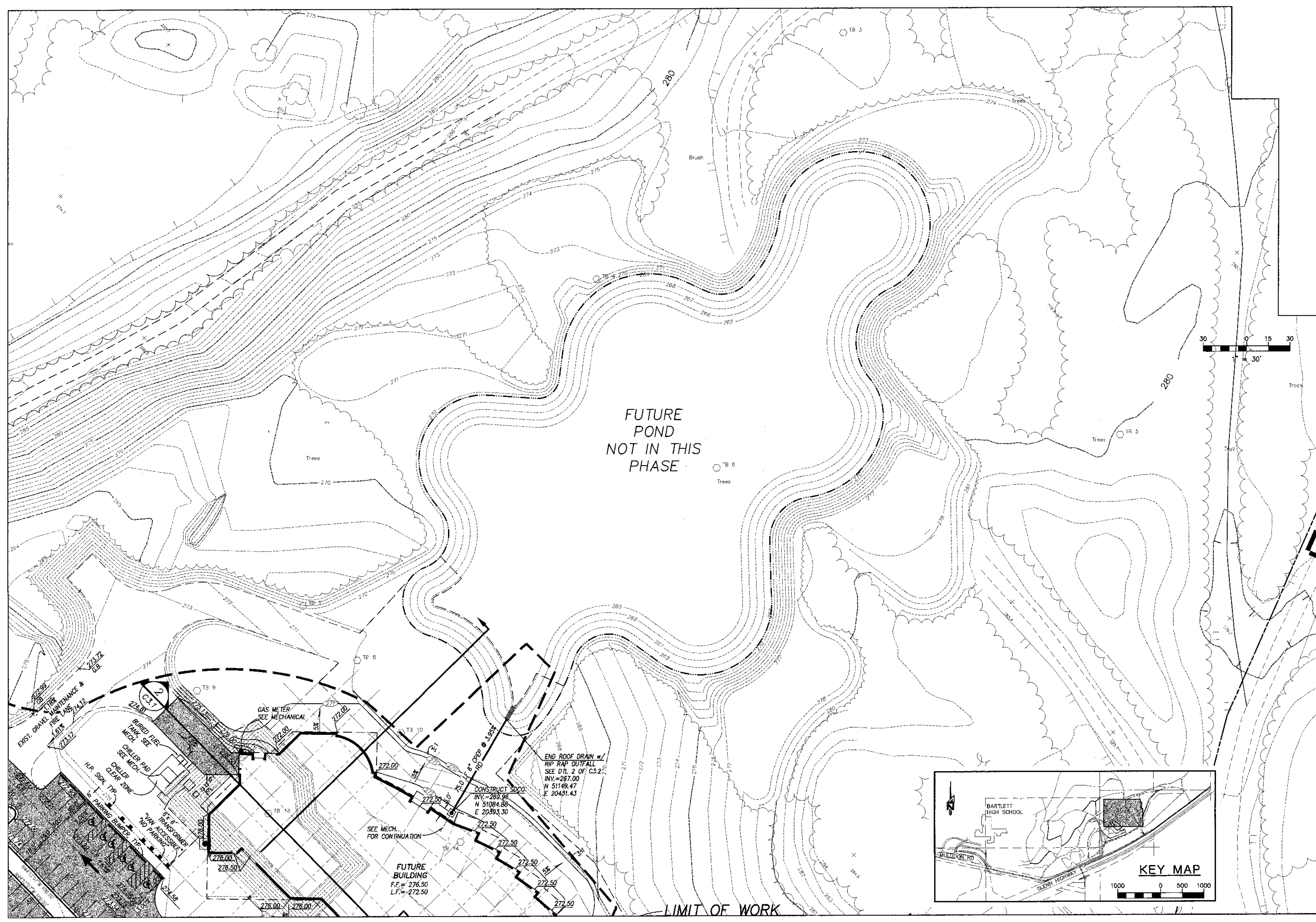
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Date 04/17/98
 Drawn GLB
 Checked KRH
 Job No. 95023

Sheet No. C2.1

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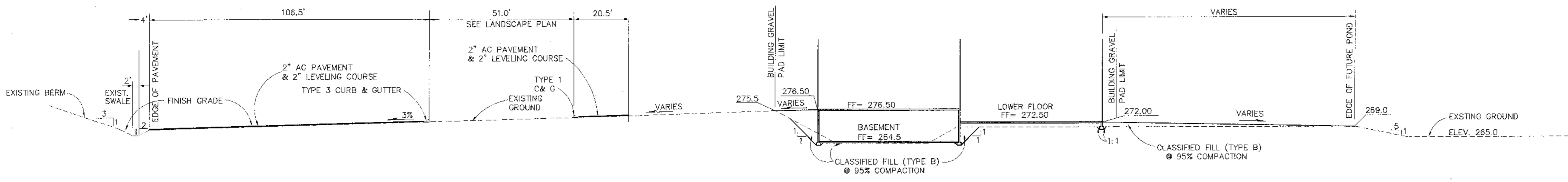


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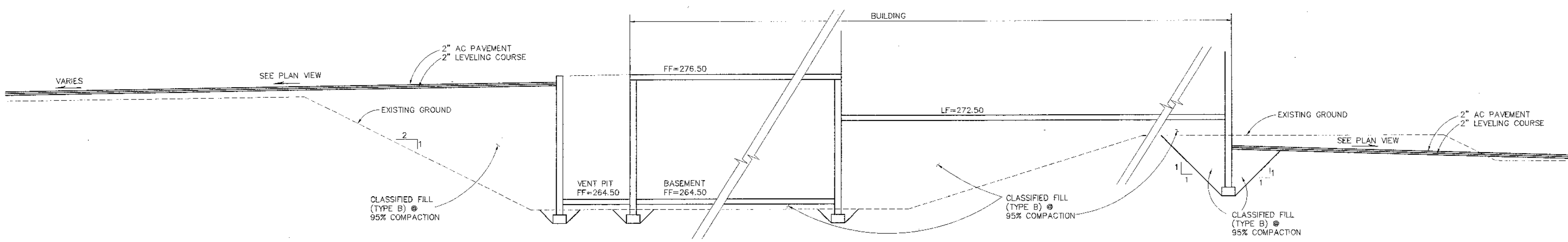
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 SITE GRADING PLAN

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| Revisions | |
| CONFORMED DRAWINGS | |
| Date | 04/17/98 |
| Drawn | CLB |
| Checked | KRH |
| Job No. | 95023 |
| Sheet No. | C2.2 |

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS



1 Site Section
C3.1 SCALE: NTS



2 Site Section
C3.1 SCALE: NTS

SITE SECTION NOTES

1. IF EXISTING SOILS QUALIFY AS CLASSIFIED MATERIAL THEY MAY BE INCORPORATED INTO THE WORK. CONTRACTOR SHALL VERIFY QUALITY OF EXISTING SOILS. IN ALL CASES, THE MINIMUM STRUCTURAL FILL SECTIONS SHOWN ON THE PLANS SHALL BE PROVIDED.
2. IN AREAS NOT REQUIRING UTILITY CONSTRUCTION, THE CONTRACTOR SHALL SHAPE AND RECOMPACT THE EXISTING SURFACE TO 95% MINIMUM DENSITY AS REQUIRED FOR PLACEMENT OF BUILDING SLAB AND FOOTINGS. ANY SOILS WHICH ARE DISTURBED, PUMPED, OR RUPTURED BY THE CONSTRUCTION ACTIVITY SHALL BE REDESIGNED OR REPLACED WITH CLASSIFIED MATERIAL.
3. ALL ORGANIC SOILS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH CLASSIFIED MATERIAL.
4. THE CONTRACTOR SHALL ADD CLASSIFIED FILL AS REQUIRED TO ESTABLISH TOP OF SUBBASE GRADE UNDER BUILDING SLAB AND UNDER ALL LEVELING COURSE.

ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
SITE SECTIONS AND DETAILS

Revisions

CONFORMED DRAWINGS

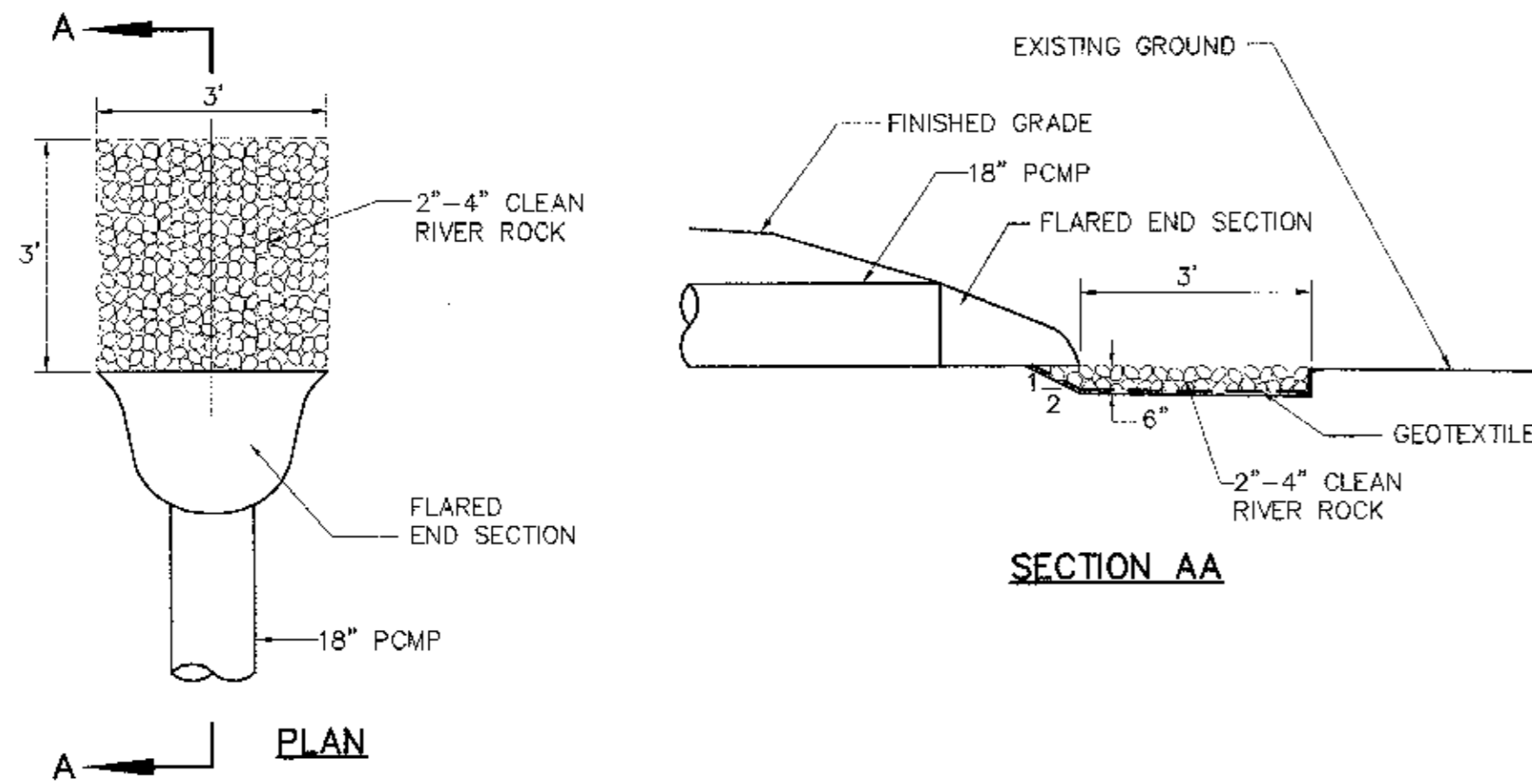
Date 04/17/98
Drawn GIB
Checked KRH
Job No. 95023

Sheet No.

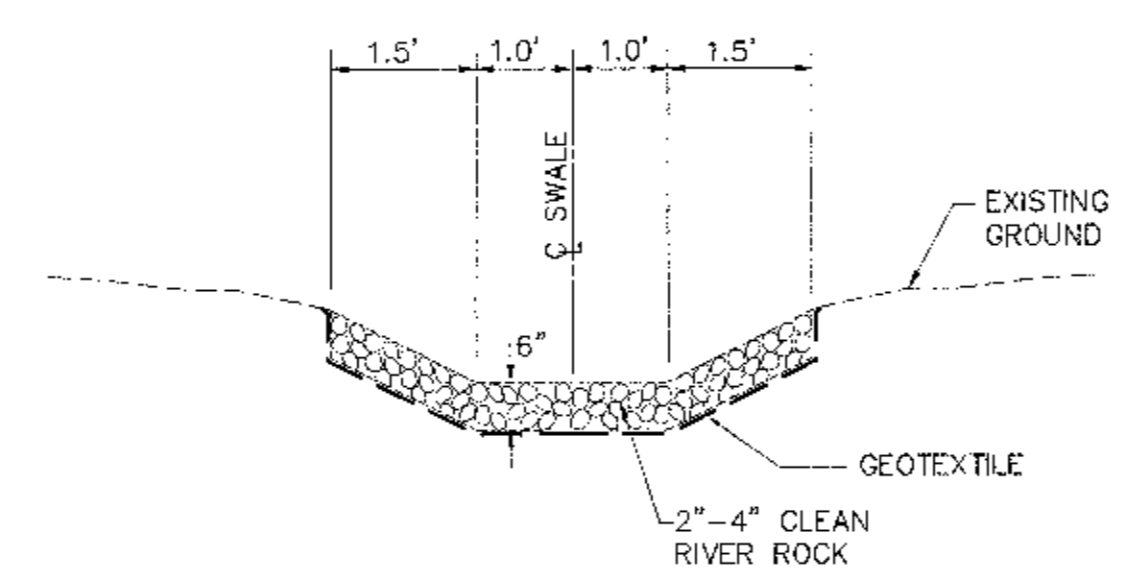
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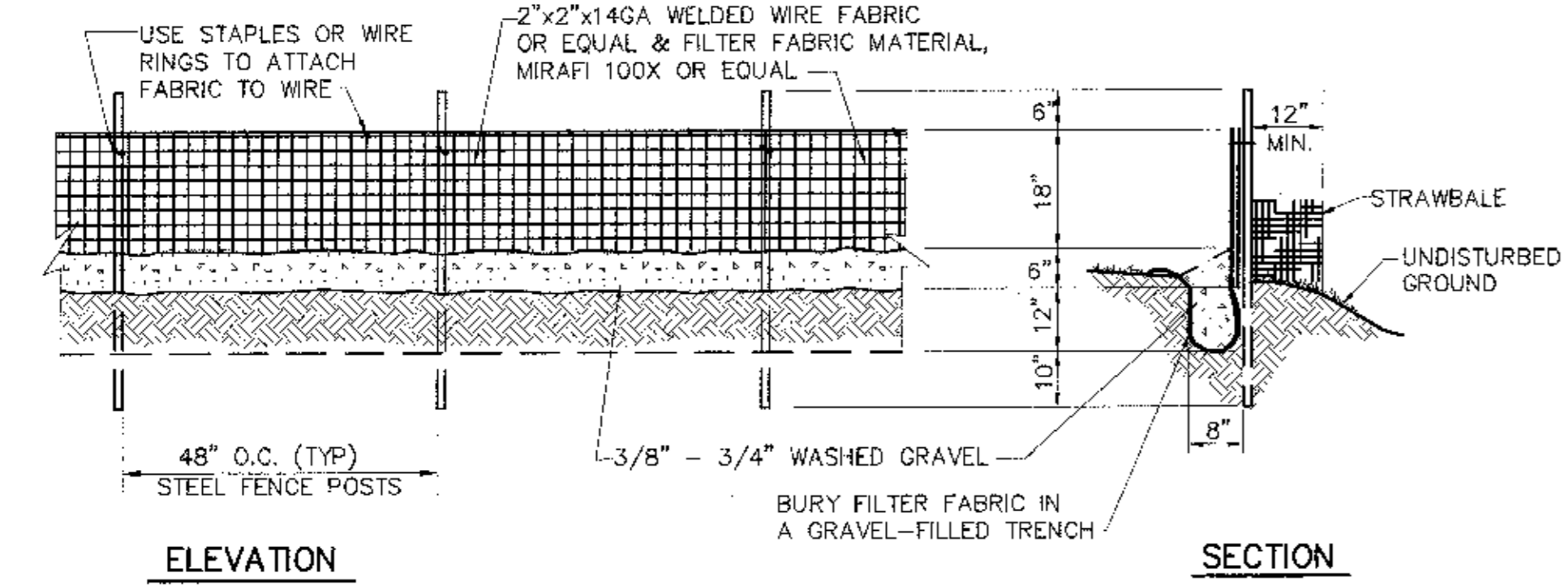
SCALES INDICATED RELATE TO
30" X 42" FULL-SIZE DRAWINGS



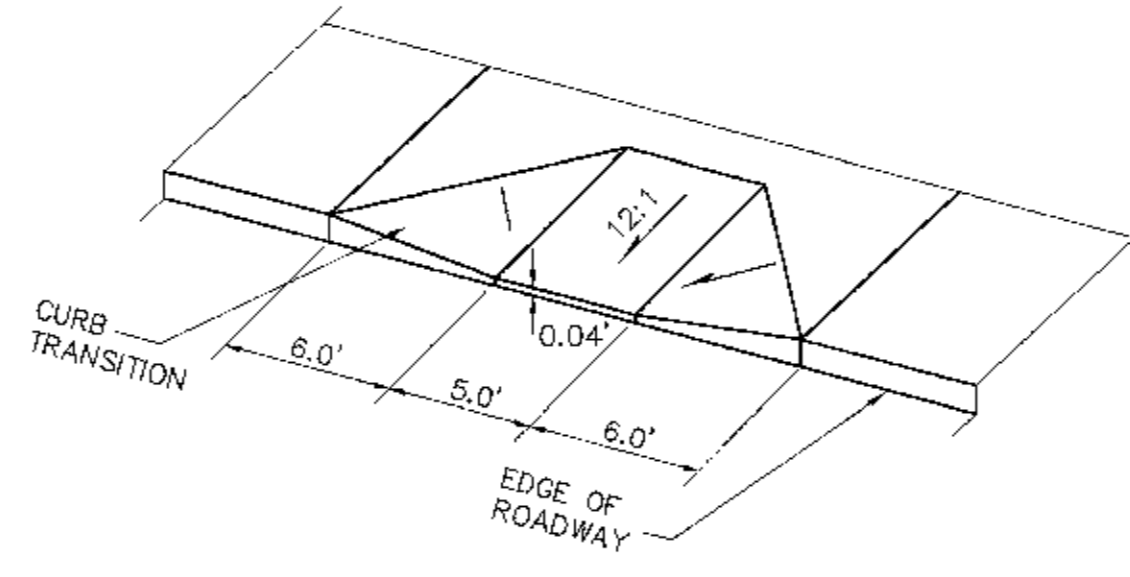
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SCALE: NTS



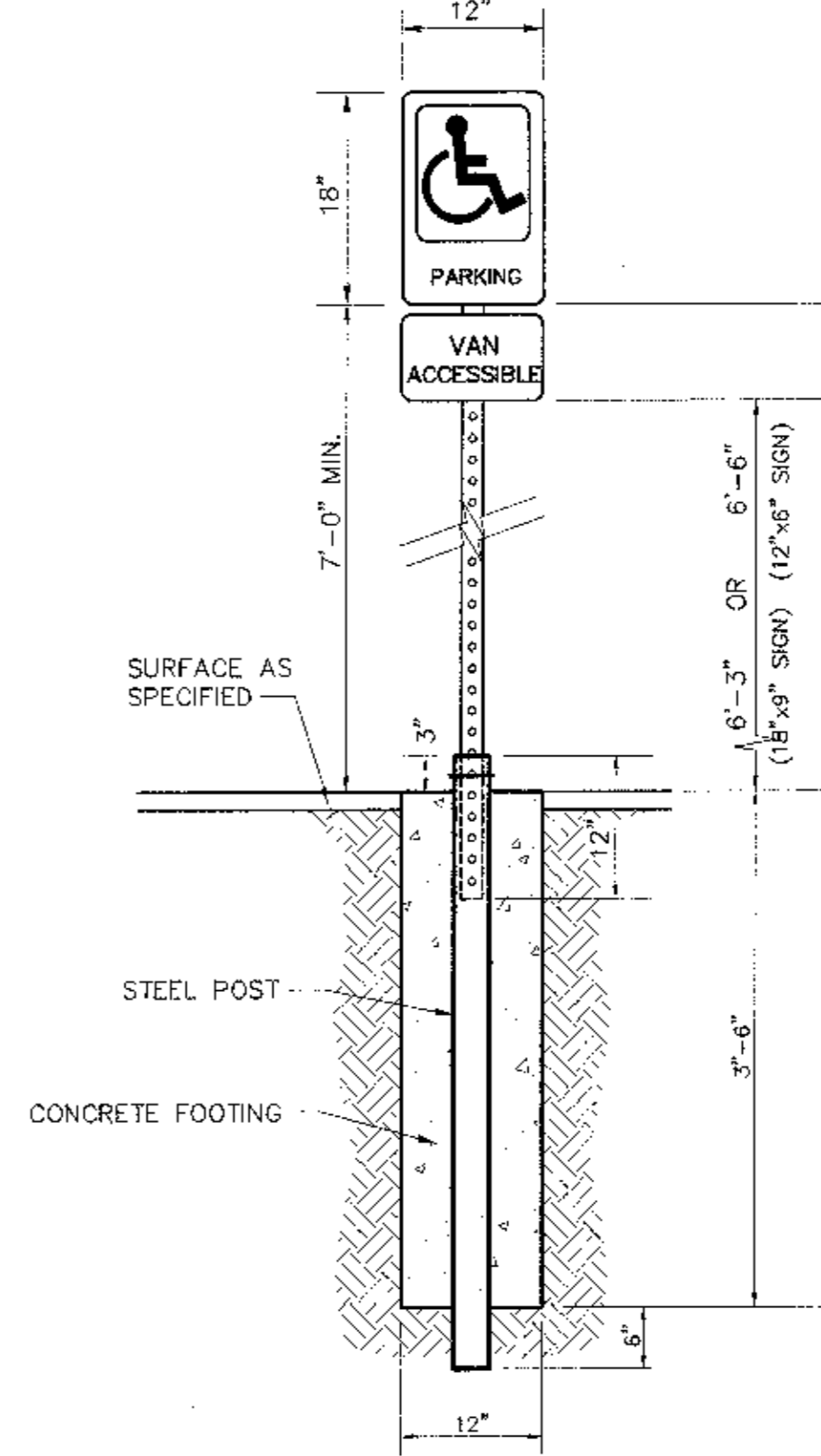
2 Rip/Rap Ditch Section
SCALE: NTS



3 Silt Fence Detail
SCALE: NTS



4 Handicap Ramp Detail
SCALE: NTS



5 Handicap Parking Sign Detail
SCALE: NTS

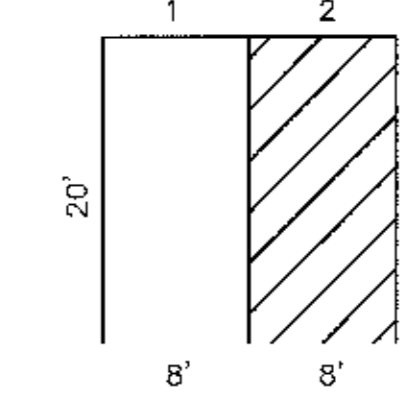
SIGNS CAN BE MOUNTED ON THE BUILDING PROVIDED THAT THEY ARE NOT OBSTRUCTED BY TREES, SHRUBBERY, ETC.

SIGNS SHALL NOT BE MOUNTED ON DOORS OR WINDOWS AND CAN NOT BE MORE THAN TEN FEET FROM THE EDGE OF THE PARKING STALL.

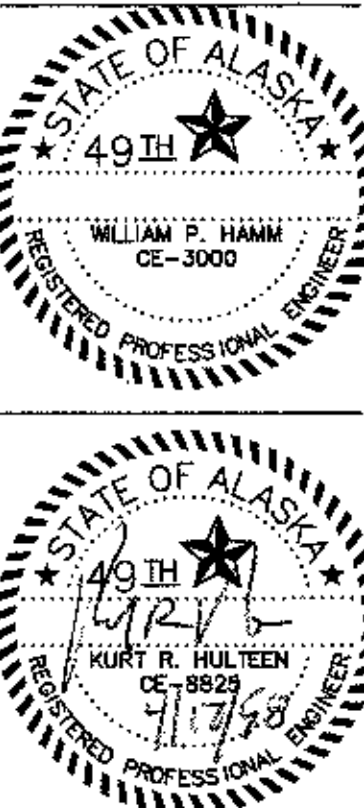
SIGN SHALL BE CENTERED BETWEEN PARKING SPACE STRIPING (1 IN DIAGRAM). MOUNTING HEIGHTS FOR BUILDING ARE SAME AS THOSE FOR POLE MOUNTING INDICATED ON THIS SHEET.

INSTALL A NO PARKING SIGN CENTERED AT THE FRONT OF THE 8 FOOT WIDE ACCESS AISLE (2 IN DIAGRAM).

ONE OUT OF EIGHT REQUIRED HANDICAP SPACES MUST BE VAN ACCESSIBLE.



APOWL
ENGINEERS
440 B STREET ANCHORAGE, ALASKA 99503



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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
SITE SECTIONS AND DETAILS

Revisions

CONFORMED DRAWINGS

Date 04/17/98
Drawn OLB
Checked KRH
Job No. 95023

Sheet No.

C3.2

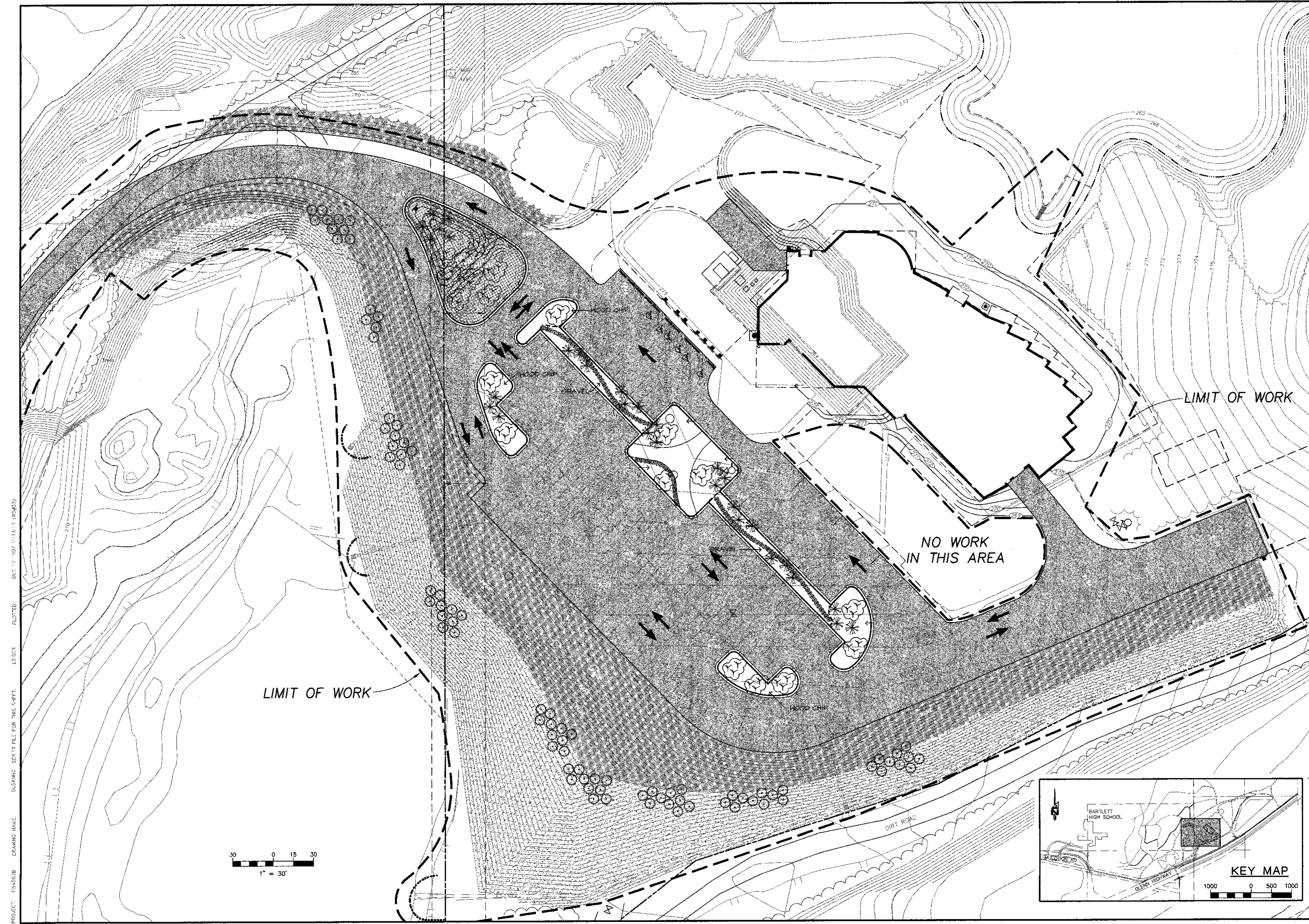
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SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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DOW. FILE No.

FILENAME: F54557B\UI\SANHC.DWG SHEET FILE: LS.SCR XREF: DS\ANHC_XREFBASE_XRI-MUP CREATED: DEC 12 1997 11:53:45 UPDATED: APR 16 1998 0:25:04 PLOTTED: APR 16 1998 10:27:06 (MS#59)



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| 4640 1st Street Anchorage, Alaska 99503 Phone 907.561.6624 Fax 907.561.6624 | PROJECT: DS4557B DRAWING: SANHC.DWG SHEET: LS.SCR DATE: 04/17/98 |
| | LANDSCAPE PLAN ALASKA NATIVE HERITAGE CENTER TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK. |
| | DESIGNED BY: KRH/DC CHECKED BY: WPH DRAWN BY: GLB DATE: 04/17/98 W.O. NO.: 054557B F.B. NO.: 865.1108 LOCATION: ANCHORAGE 1042/1142 |
| | HORIZ. SCALE: 1" = 30' VERT. SCALE: 1" = 30' SHEET: C4.1 FILE NO.: 260-80 |

SCALES INDICATED RELATE TO
30" X 42" FULL-SIZE DRAWINGS

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 909 W. 4th Avenue, Suite 500
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 Fax 907.575-0126
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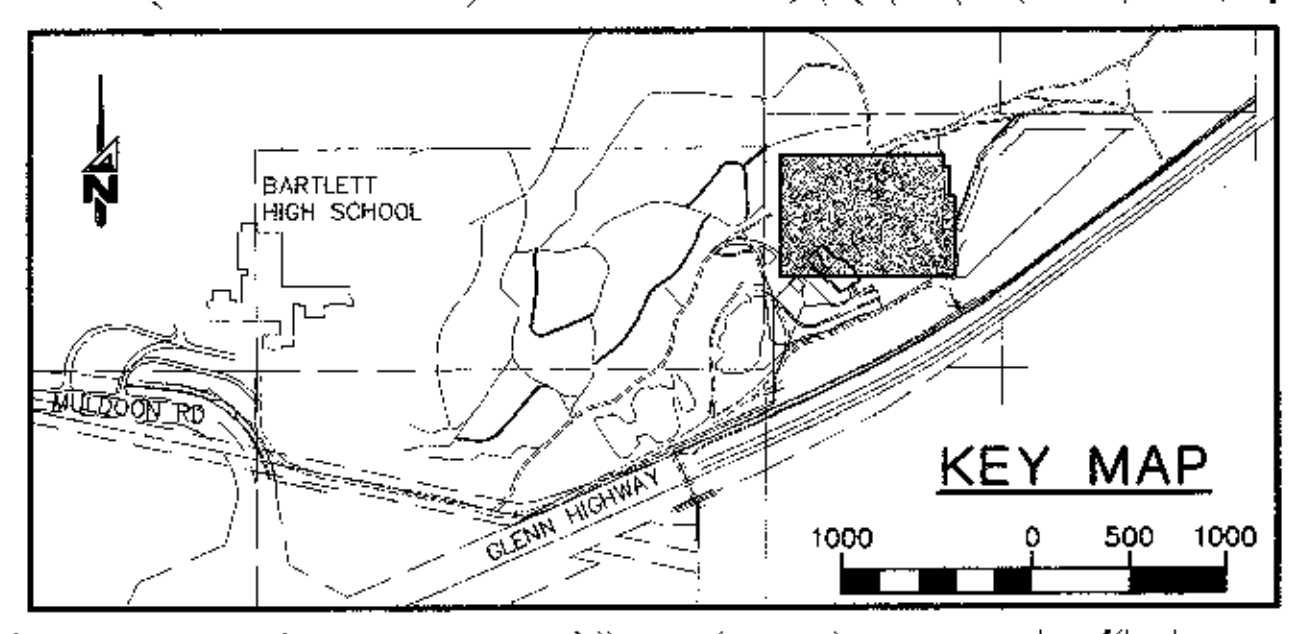
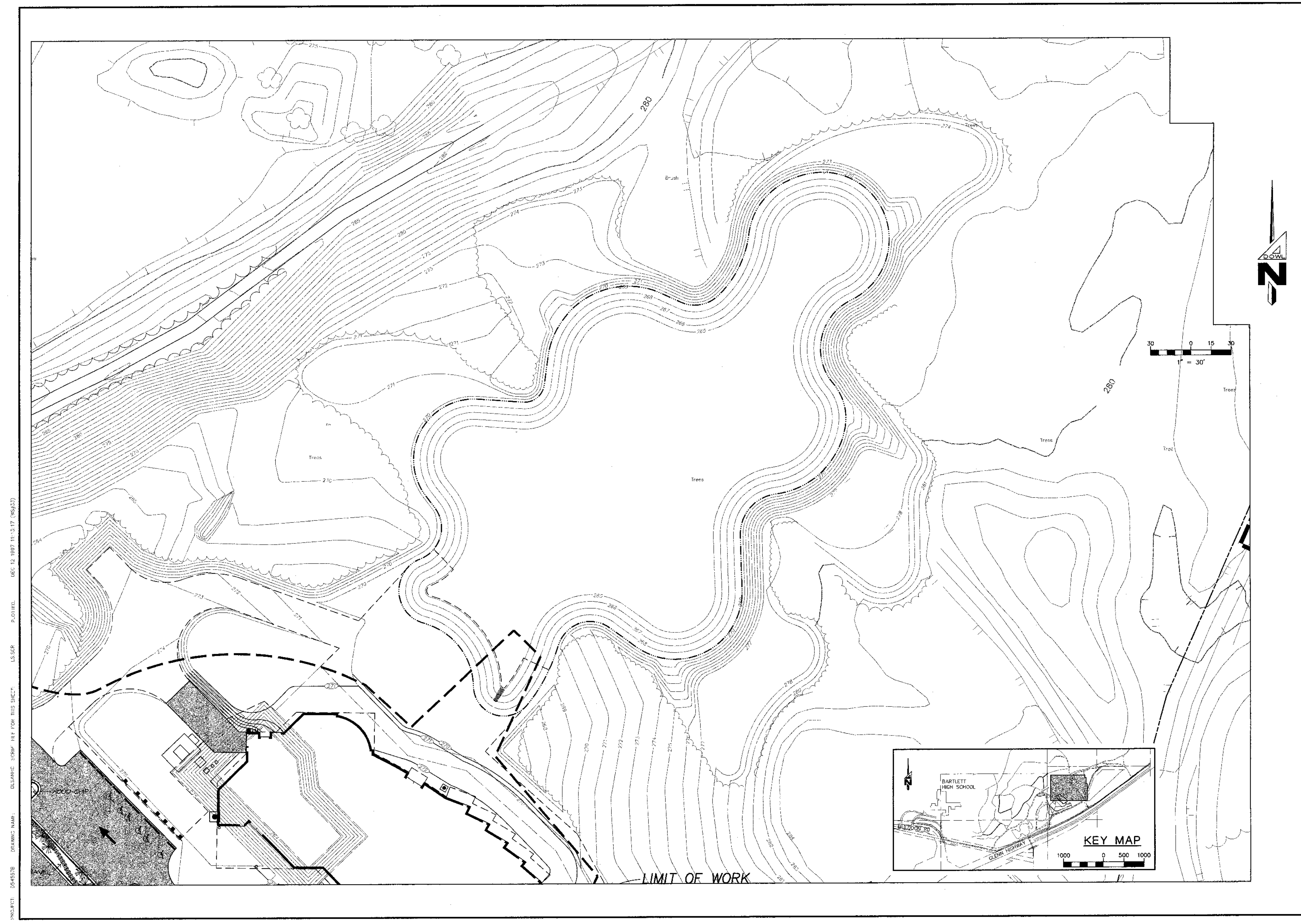
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 LANDSCAPE PLAN

Revisions

CONFORMED DRAWINGS

Date: 04/17/98
 Drawn: GLB
 Checked: KRH
 Job No.: 95023
 Sheet No.: **C4.1**
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FILENAME: D54557B DLSANIC.DWG SCRIPT FILE: LS.SCR XREF: D54557C.XREF XREF: XREF.FMP CREATED: DEC 12 1997 11:33:43 PLOTTED: APR 15 1998 10:27:36 (W5457B)



| <p>ADOWL ENGINEERS 1040 1ST Street Anchorage, Alaska 99503 Phone 487-4894</p> | | <p>DESIGNED BY: KRH/DC CHECKED BY: WPH DRAWN BY: GLB DATE: 04/17/98 W.O. NO.: D54557B F.B. NO.: 885, 1104 1180, 1208 LOCATION: ANCHORAGE 1042/1142</p> | <p>LANDSCAPE PLAN ALASKA NATIVE HERITAGE CENTER TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, AK.</p> | <p>SCALE: 1" = 30' SHEET: C4.2 FILE NO.: 260-80</p> | | | | | | | | | | | | | | | | | | | |
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| NO. | DATE | DESCRIPTION | BY | | | | | | | | | | | | | | | | | | | | |
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SCALES INDICATED RELATE TO 30 X 42 FULL-SIZE DRAWINGS

ALASKA NATIVE HERITAGE CENTER
 ANCHORAGE, ALASKA
 LANDSCAPE PLAN

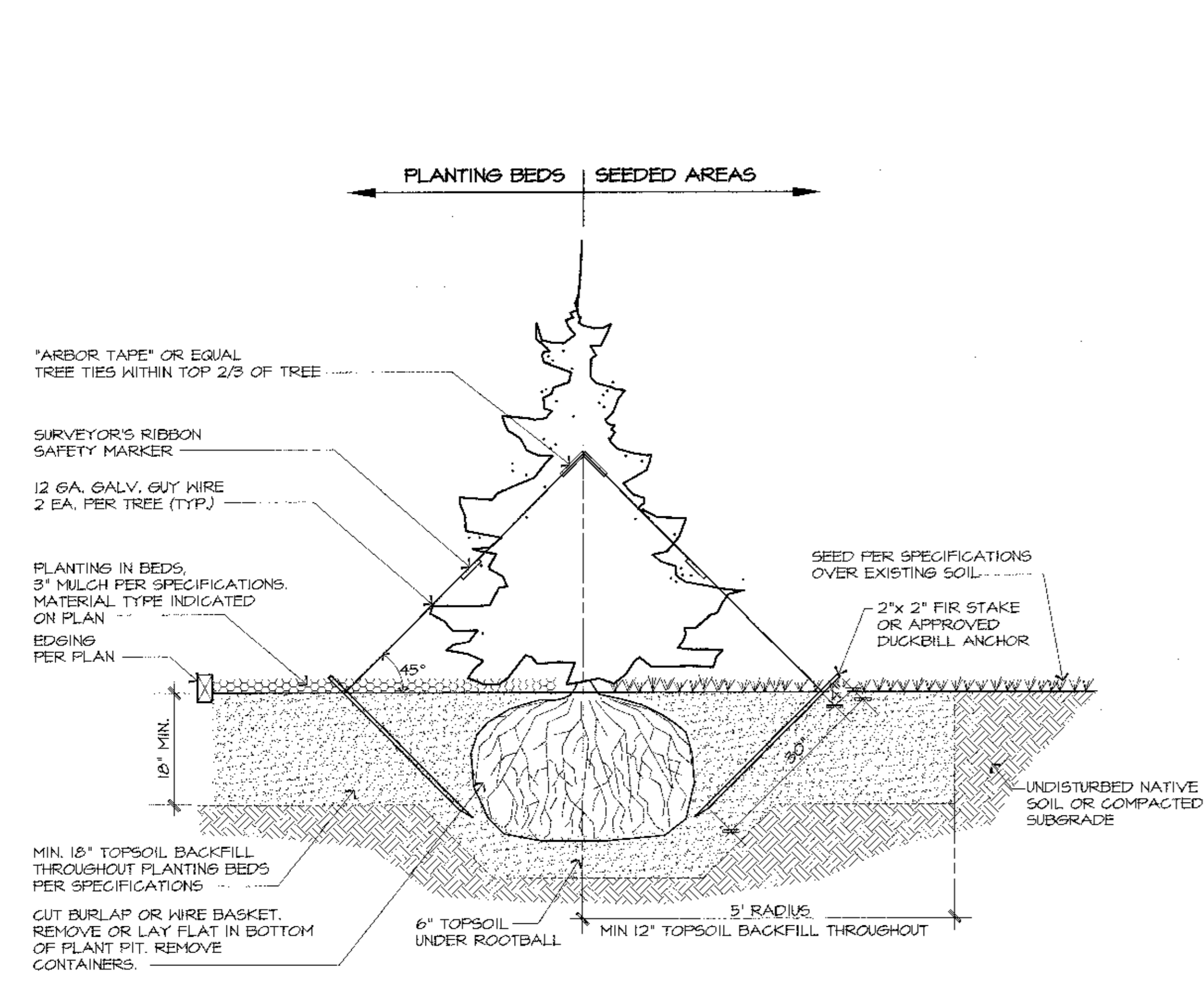
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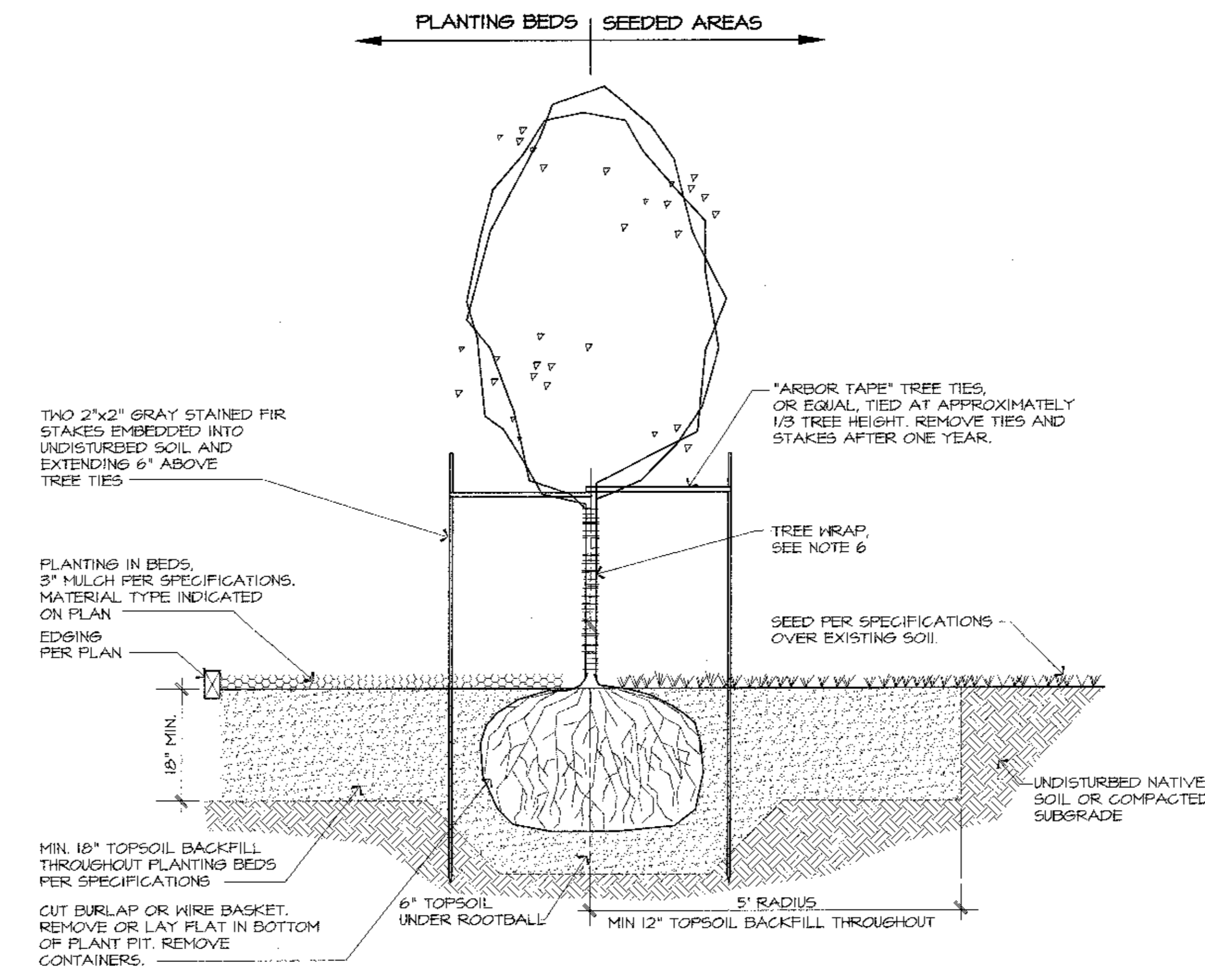
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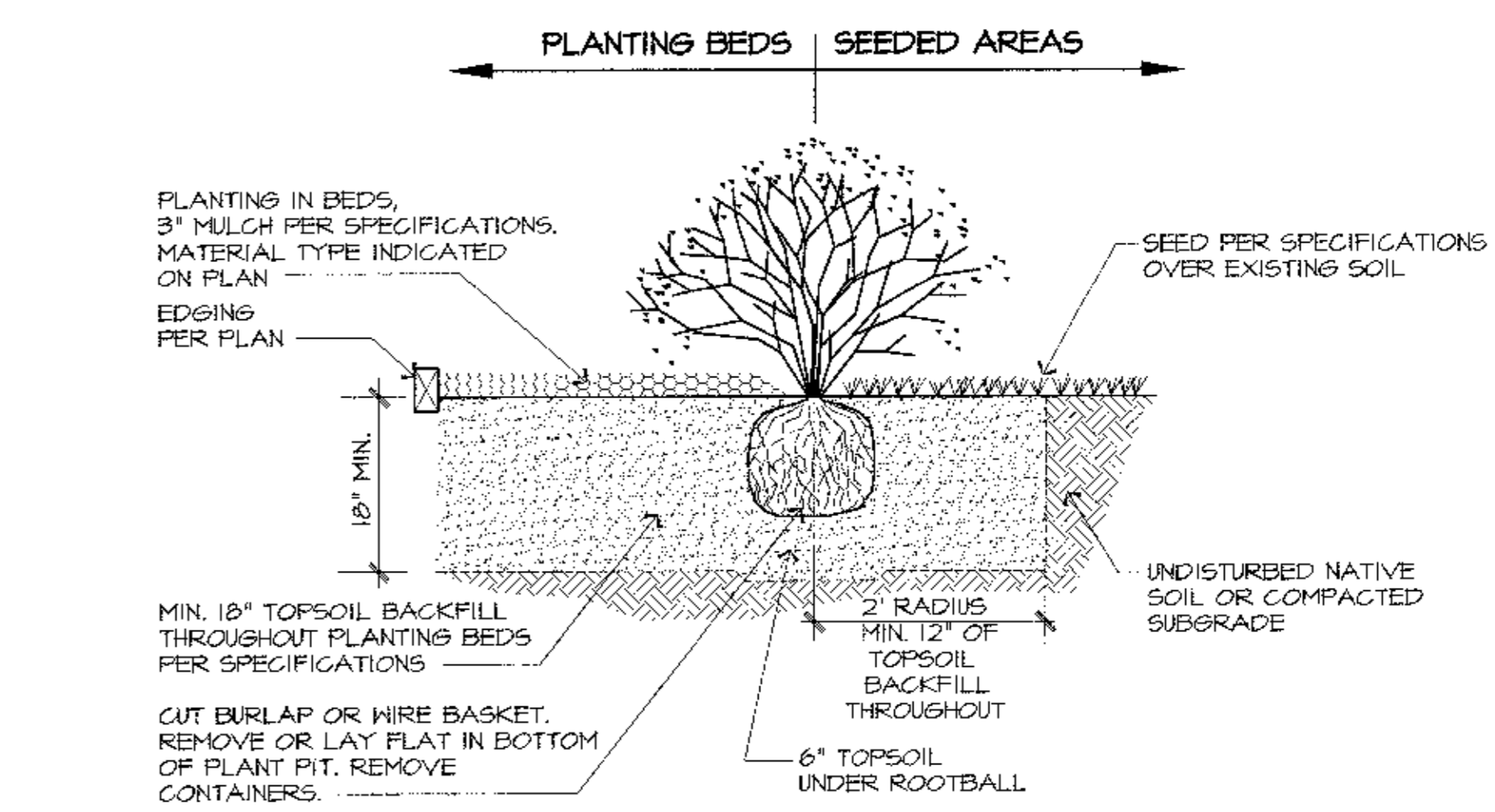
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 Fax 487-279-8188
 An Alaska Corporation



1 Coniferous Tree Planting
CS.1 SCALE: NTS



2 Deciduous Tree Planting
CS.1 SCALE: NTS



3 Shrub Planting
CS.1 SCALE: NTS

PLANT SCHEDULE

| SYMBOL | DESCRIPTION | SIZE | QUANTITY | NOTES |
|--------|---|-------------------|-----------|--|
| | COLORADO GREEN SPRUCE <i>Picea pungens</i> | 6-8' | 30 | 5:3 HEIGHT TO SPREAD RATIO |
| | QUAKING ASPEN <i>Populus tremuloides</i> | 1.5" CAL. | 85 | 10-15' HIGH |
| | PAPER BIRCH - Clump <i>Betula papyrifera</i> | 3" CAL. EACH STEM | 14 | NURSERY GROWN, MIN. 3 STEMS PER CLUMP, 15-18' HIGH |
| | Home's RUGOSA ROSE <i>Rosa rugosa</i> | 18-24" HIGH | 41 | 3" O.C. CONTAINER GROWN |
| | FIREWEED AND CLOVER SEED (over existing soil) | | 58,560 SF | SEED MIX NOTE 1. |
| | WILDFLOWER AND GRASS SEED (over existing soil) | | 50,525 SF | SEED MIX NOTE 2. |
| | DAISY AND CLOVER SEED (over existing soil) | | 4,715 SF | SEED MIX NOTE 3. |
| | WOOD CHIP WOOD CHIP MULCH | FINES | 7,710 SF | 3" DEPTH |
| | GRAVEL GRAVEL MULCH | 3/4" CRUSHED | 3,150 SF | 3" DEPTH OVER WEED BARRIER FABRIC PER SPECIFICATIONS |
| | ALUMINUM EDGING | 4" | 70 LF | PER SPECIFICATIONS |

GENERAL LANDSCAPE NOTES

- SHEARED SPRUCE ARE NOT ACCEPTABLE.
- THE LANDSCAPE CONTRACTOR SHALL RESTORE THE GRADES OF ALL BIOFILTRATION SHALES DISTURBED DURING PLANTING.
- ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z 601-1990.
- SEE SPECIFICATIONS FOR DETAILS AND RECOMMENDED TIE KNOT OF "ARBOR TAPE" TREE TIES. DO NOT TIE RIGIDLY, TREE MUST BE ABLE TO MOVE IN THE WIND.
- BACKFILL NEARLY PLANTED TREES AND SHRUBS TO SAME DEPTH AS GROWN IN NURSERY OR 1-2" HIGHER THAN THE SURROUNDING FINISH GRADE. THOROUGHLY WATER AS BACKFILLING TO PREVENT AIR POCKETS. DO NOT TAMP OR COMPACT. DO NOT FERTILIZE AT TIME OF INSTALLATION. DO NOT BURY STEM WHEN PLACING MULCHES. FILL MULCH 3-4" AWAY FROM TREE STEMS TO FORM A SHALLOW DEPRESSION.
- TREE WRAP STEM OF DECIDUOUS TREES FROM BASE OF STEM TO FIRST BRANCHING OF TREE AND SECURE WITH FLEXIBLE NURSERY TAPE. TREE WRAP TO BE OF COMMERCIAL GRADE MANUFACTURED FOR THIS PURPOSE.

MOA REVIEW NOTES

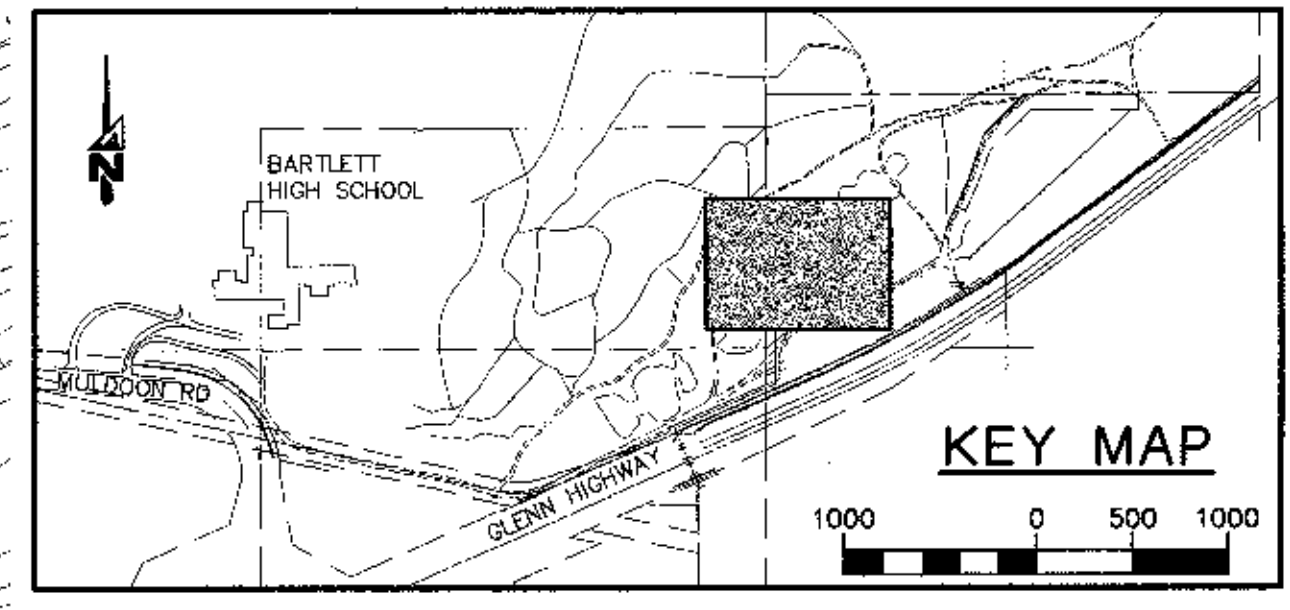
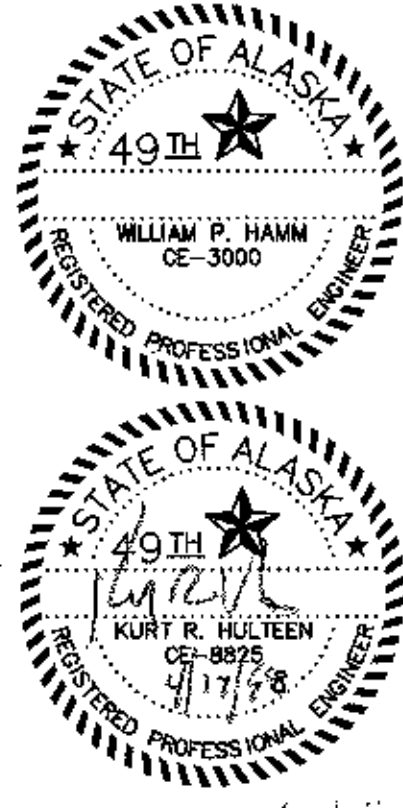
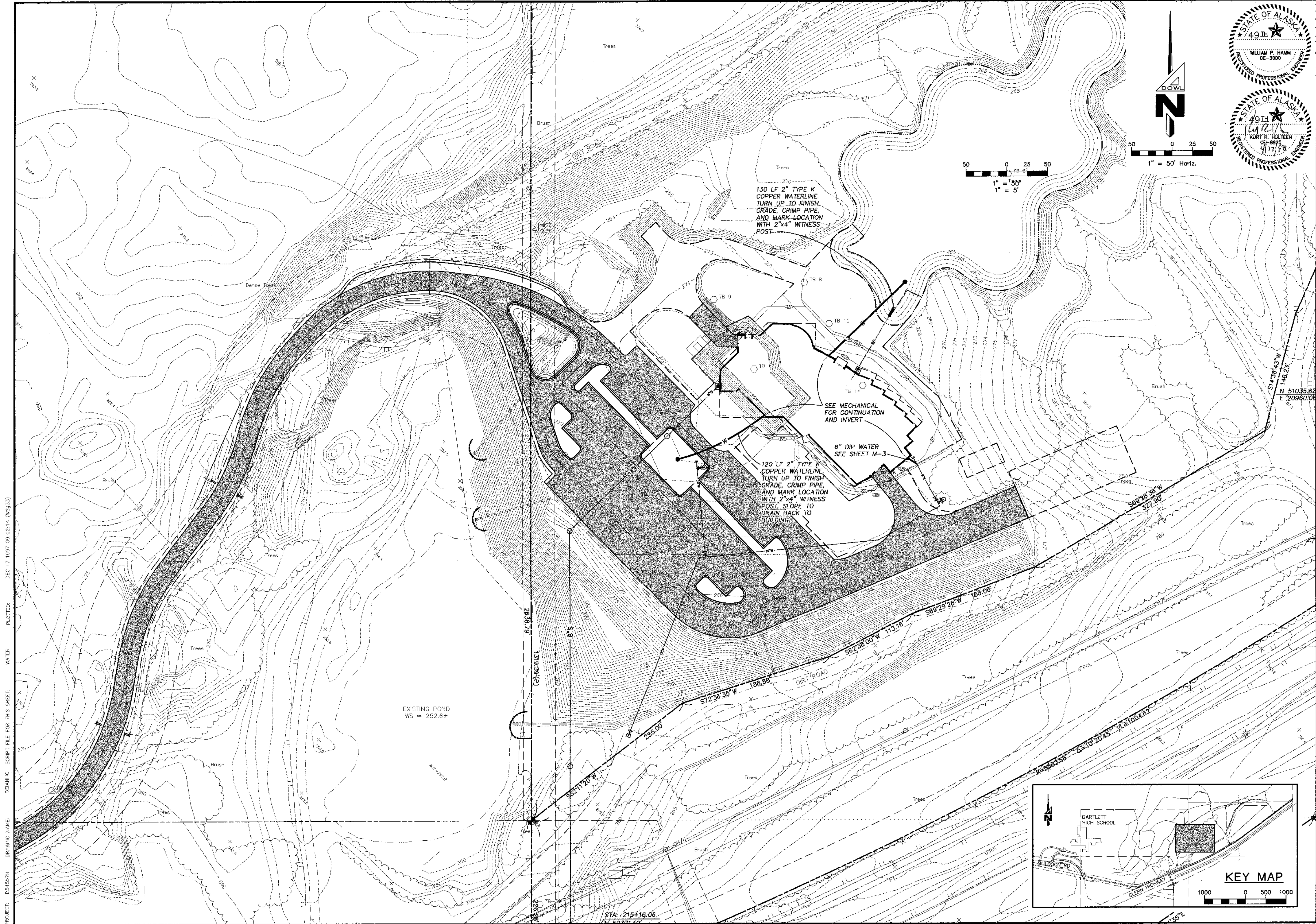
- 8,416.3 SF PARKING & APPURTENANT DRIVES
4,448 SF INTERIOR LANDSCAPING REQUIRED
14,850 SF INTERIOR LANDSCAPING PROVIDED
- DUMPSTER IS LOCATED WITHIN BUILDING

SEED MIX NOTES

- FIREWEED AND CLOVER**
10% FIREWEED *Epilobium angustifolium*
30% ALSIKE CLOVER var. Aurora
22 LBS / ACRE
45% PURE LIVE SEED
- WILDFLOWER AND GRASS MIX**
10% K-M WILDFLOWER MIX
30% ALPINE BLUEGRASS var. Gruening
22 LBS / ACRE
45% PURE LIVE SEED
- DAISY AND CLOVER MIX**
80% SHASTA DAISY *Glycyrrhiza maxim*
20% ALSIKE CLOVER var. Aurora
22 LBS / ACRE
45% PURE LIVE SEED

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

F-LEVEL: D:\455\B\US\ANHC.DWG SCRIPT FILE: WALK.SCR XREF: XREFBASE.XREF.MLP ORCAD: DEC 04 1997 12:23:58 UPDATED: APR 6 1998 09:26:23 PLOTTED: APR 6 1998 09:26:10 (WS#5)



| | |
|--|--|
| <p>DOWL ENGINEERS 4040 15th Street, Anchorage, Alaska 99503 Phone: 907-558-7777 FAX: 907-558-9800</p> | |
| <p>ALASKA NATIVE HERITAGE CENTER</p> <p>TRACT 1, CRI GLENN SUBDIVISION, ANCHORAGE AK.</p> | |
| <p>DESIGNED BY: KRH/DC CHECKED BY: WPH DRAWN BY: GLB DATE: 04/17/98 W.O. NO: 0545373 F.B. NO: 865,1108 1180,1208 LOCATION: ANCHORAGE 1042/1142</p> | |
| <p>HORIZ. SCALE: 1" = 50' VERT. SCALE: 1" = 5'</p> | |
| <p>SHEET: C6.1</p> | |
| <p>FILE NO: 260-80</p> | |

SCALES INDICATED RELATE TO FULL-SIZE DRAWINGS

PROJECT: ESHSD/4 DRAWING NAME: 03MANIC SCRIPT FILE FOR THIS SHEET: WATER PLOTTED: DEC 17 1997 09:02:11 (WS#2)

DOWL FILE No. 260-80

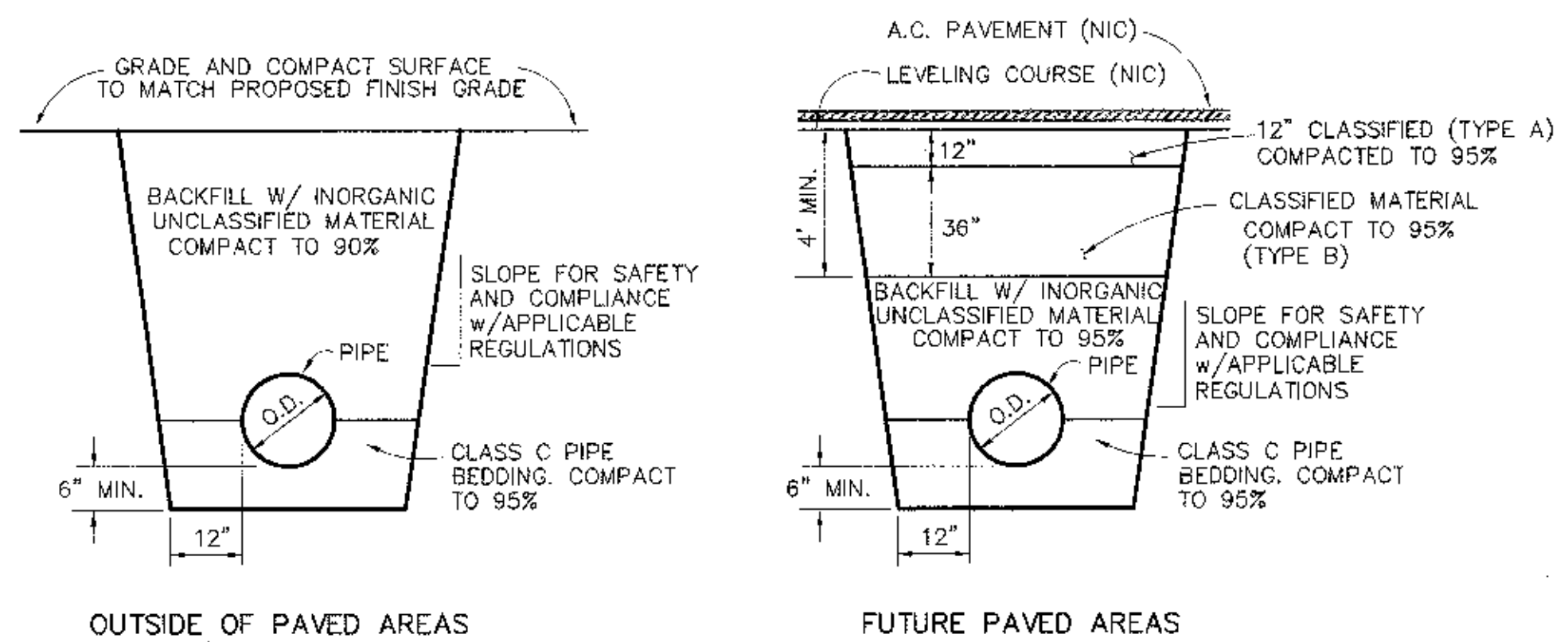
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An Alaska Corporation

ALASKA NATIVE HERITAGE CENTER
ANHC ANCHORAGE, ALASKA
WATER SERVICE PLAN

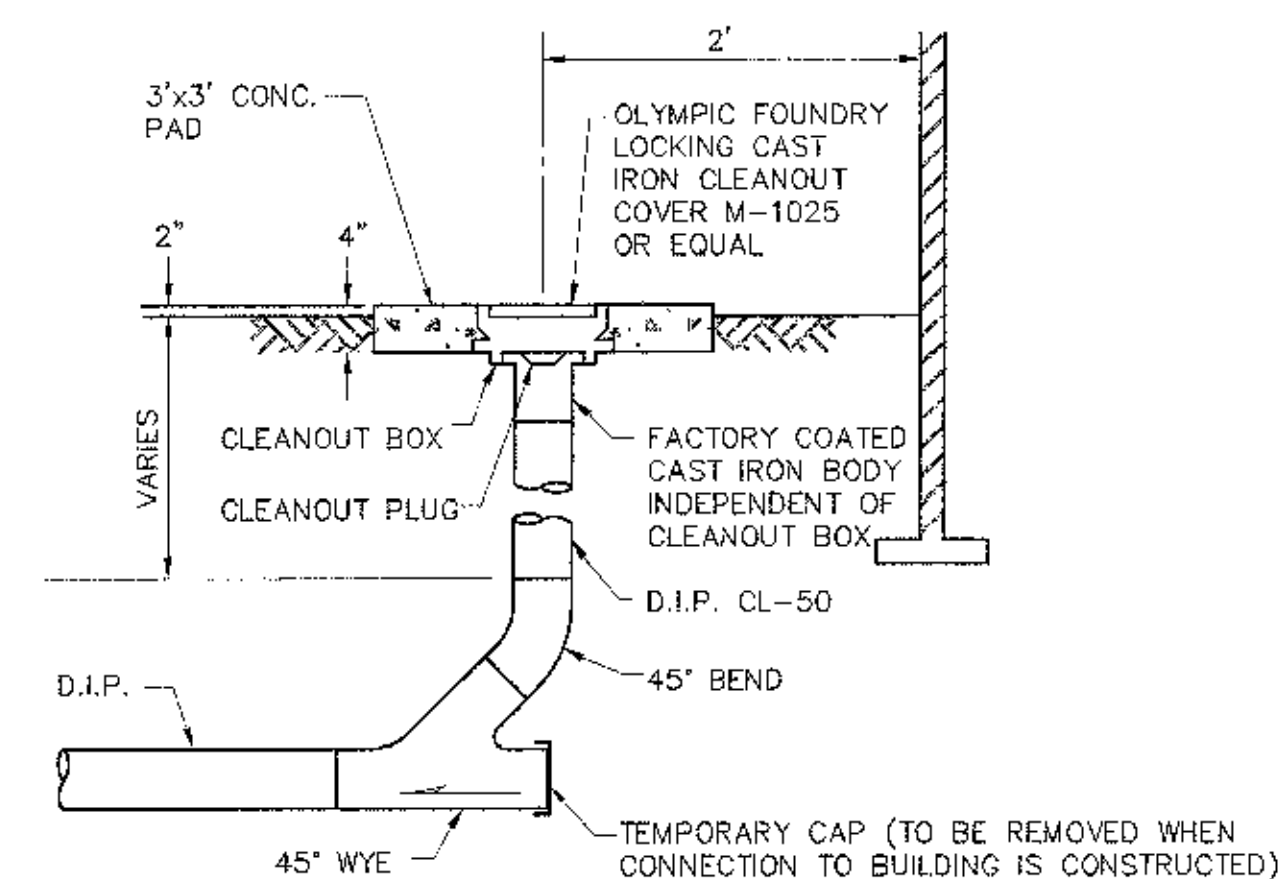
Revisions

CONFORMED DRAWINGS

Date: 04/17/98
Drawn: GLB
Checked: KRH
Job No.: 95023
Sheet No.: **C6.1**
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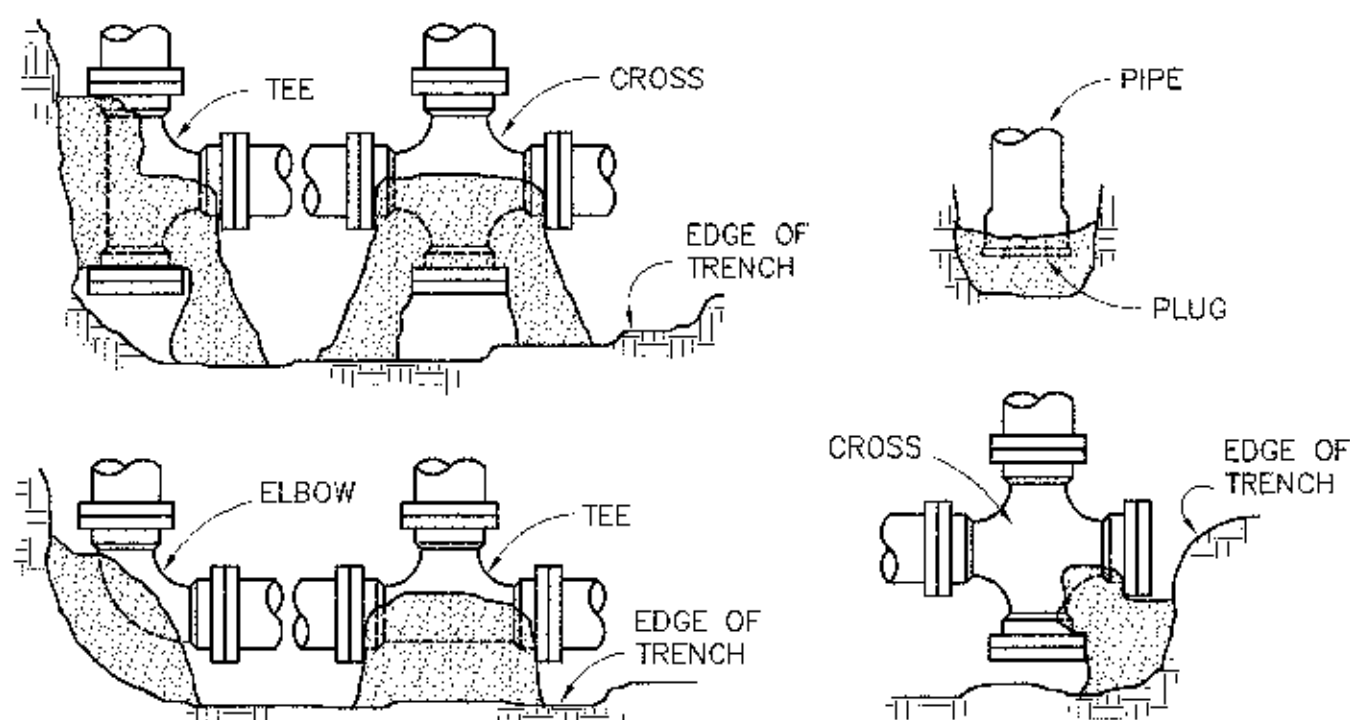
1 Typical Utility Trench Sections
SCALE: NTS



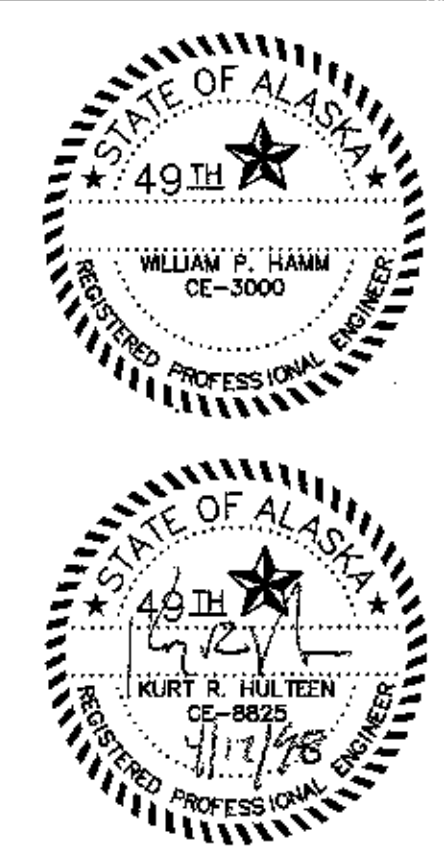
3 Sewer Service Cleanout
SCALE: NTS

BASE AREA TABLE

| PIPE SIZE | MIN. BASE AREA SQ. FT. | | |
|-----------|------------------------|------------------|------|
| | 90° BEND | 45° BEND OR LESS | PLUG |
| 6" | 2.0 | 1 | 2.0 |
| 8" | 2.5 | 1.5 | 2.5 |
| 10" | 4.5 | 2.5 | 4.5 |
| 12" | 6 | 3.5 | 6 |
| 14" | 8 | 4.5 | 8 |
| 16" | 10.5 | 6 | 10.5 |
| 24" | 24 | 13 | 24 |



2 Thrust Block Details and Standards
SCALE: NTS



| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

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UTILITY DETAILS
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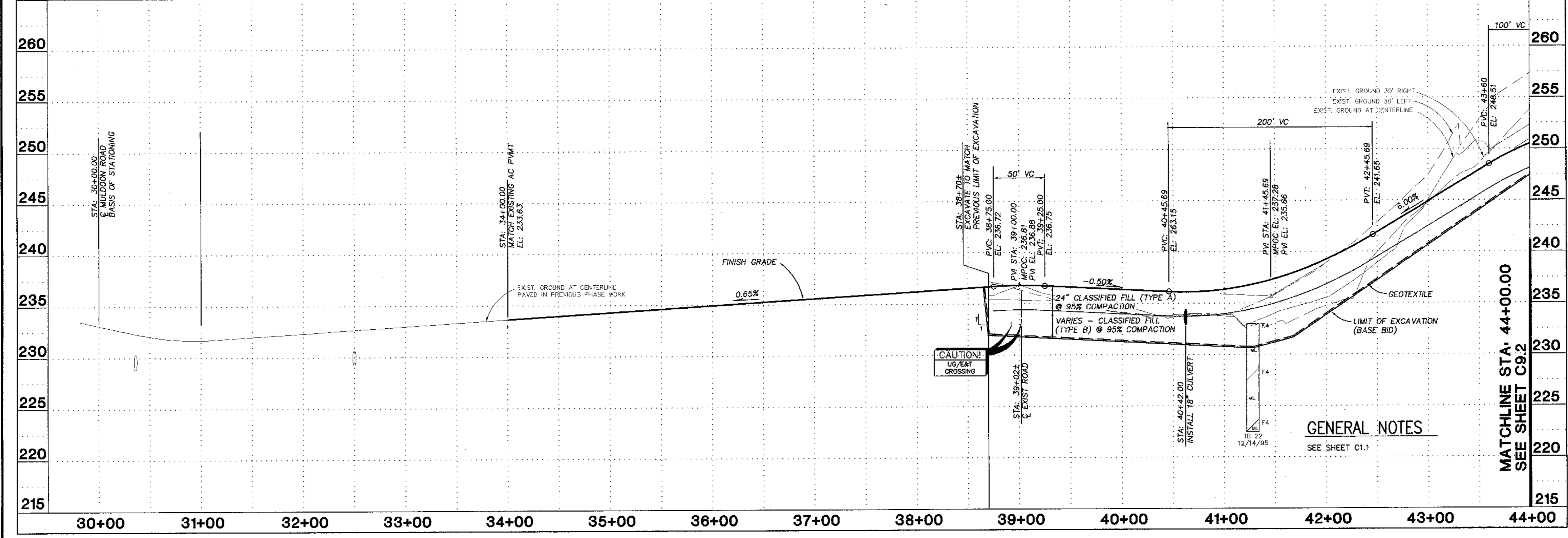
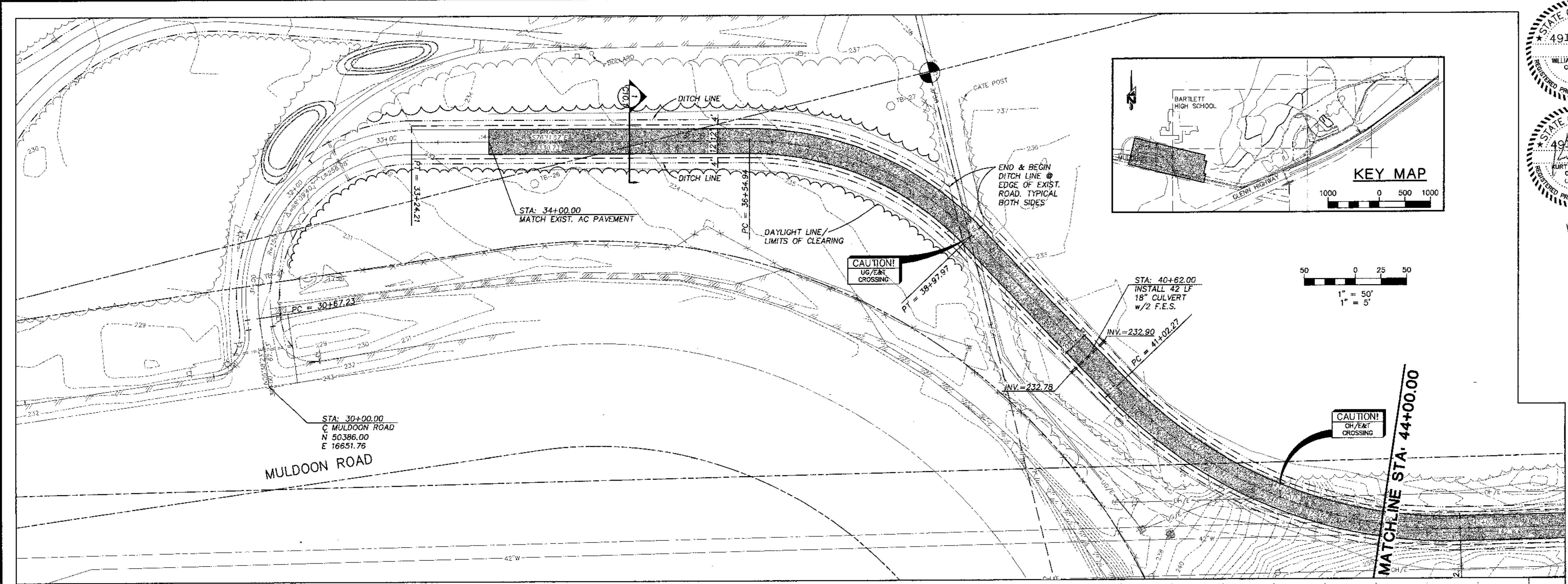
DESIGNED BY: KRH/DC
 CHECKED BY: WPH
 DRAWN BY: CLB
 DATE: 04/17/98
 W.O. NO.: D54557B
 F.B. NO.: 865,1108
 1180, 1209
 LOCATION: ANCHORAGE
 1042/1142

SCALE:
 HORZ.: AS SHOWN
 VERT.:
 SHEET:
C8.1
 NO. 260-80

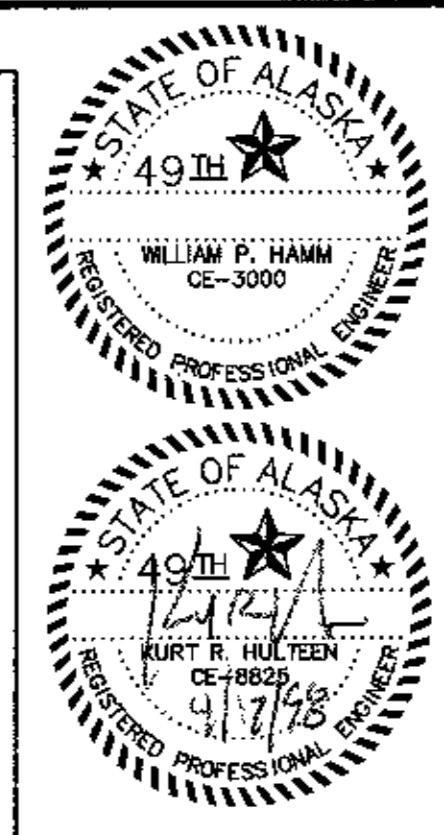
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SCALES INDICATED RELATE TO
 30" X 42" FULL-SIZE DRAWINGS

FILE NAME: D54557B\DSIANHC.DWG SCRIPT FILE: ACC.SCR DRAWING NAME: PROJECT: E34057B DRAWING NAME: PROJECT: E34057B SCRIPT FILE: ACC.SCR XREF: XREFBASE.XREFALP CIRCLED: DCC 04 1987 12:23:58 UPDATED: APR 16 1999 09:26:25 PLO ID: APR 16 1988 09:36:10 (W5#59)



PROJECT: E34057B DRAWING NAME: PROJECT: E34057B SCRIPT FILE: ACC.SCR XREF: XREFBASE.XREFALP CIRCLED: DCC 04 1987 12:23:58 UPDATED: APR 16 1999 09:26:25 PLO ID: APR 16 1988 09:36:10 (W5#59)



| NO. | DATE | DESCRIPTION | BY |
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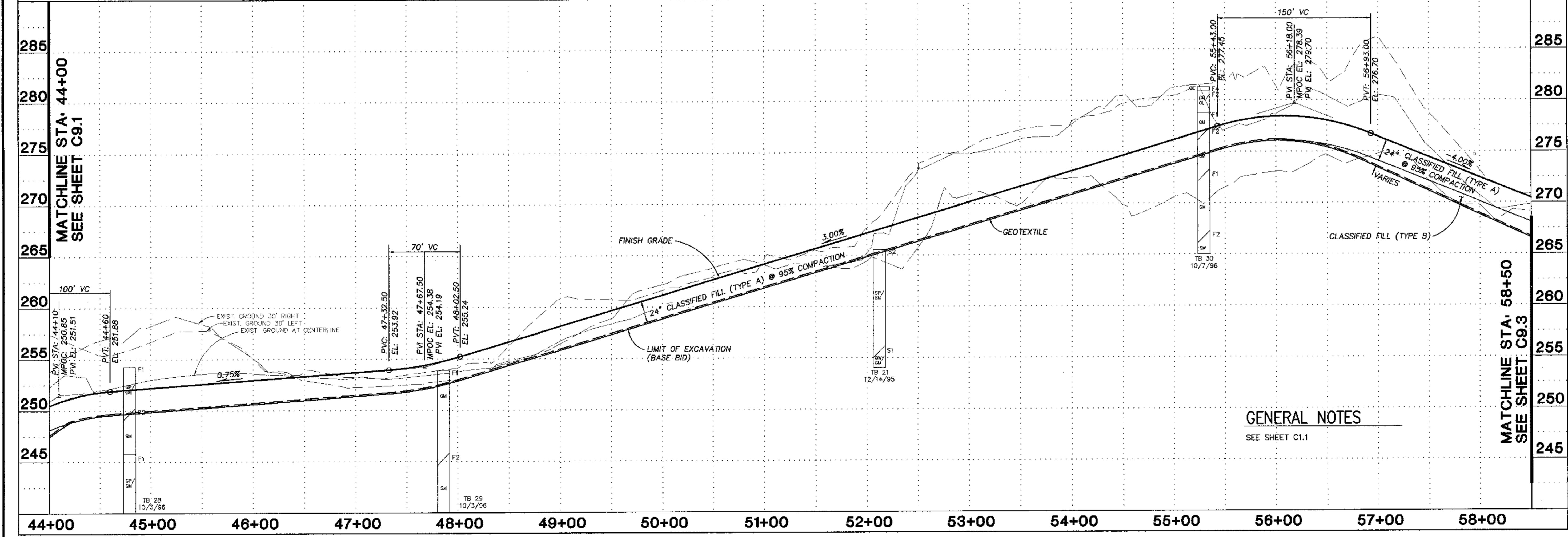
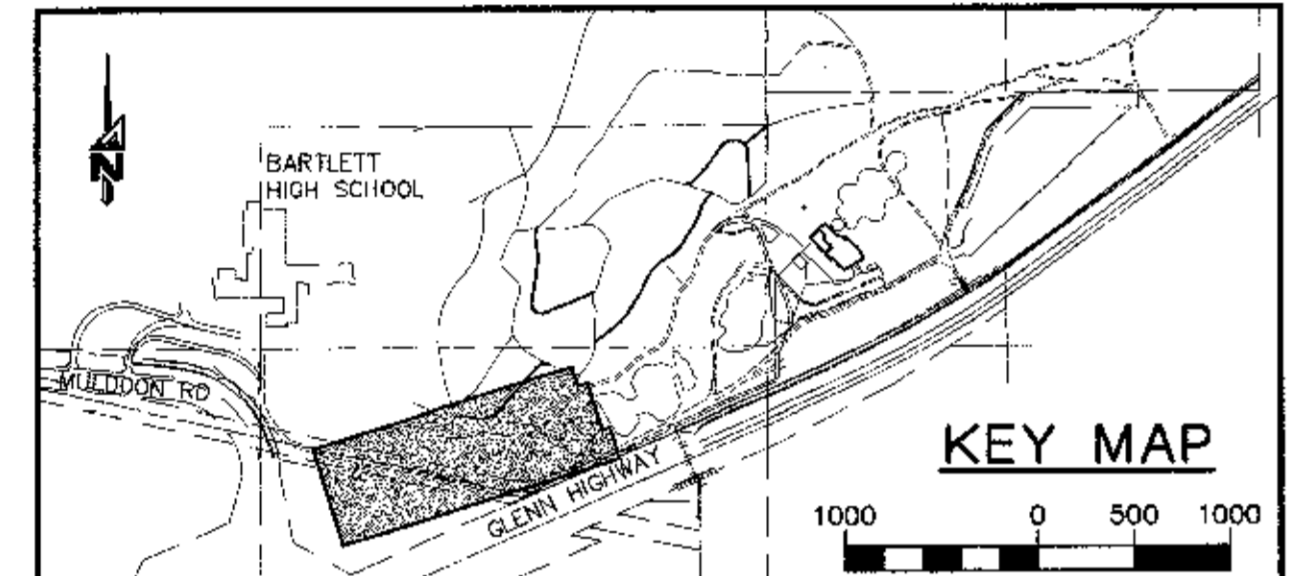
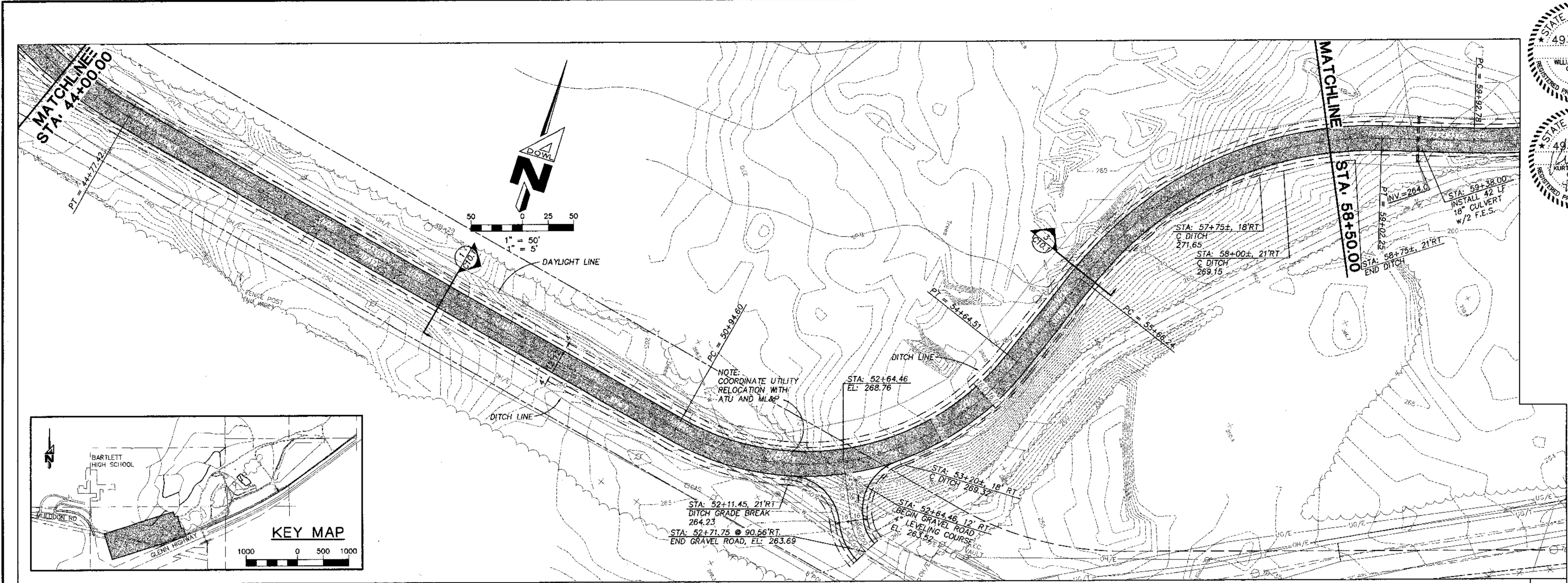
ACCESS DRIVE PLAN & PROFILE
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| | |
|--------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | CB |
| DATE | 04/17/98 |
| W.D. NO. | D54557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| HORIZ. SCALE | 1" = 50' |
| VERT. SCALE | 1" = 5' |
| SHEET | C9.1 |
| NO. | 260-80 |

CONFORMED DRAWINGS
 Date: 04/17/98
 Drawn: GLB
 Checked: KRH
 Job No.: 95023
 Sheet No.: C9.1
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SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS



GENERAL NOTES
SEE SHEET C1.1



| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | 054437B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| SCALE | |
| HORIZ. | 1" = 50' |
| VERT. | 1" = 5' |
| SHEET | |
| C9.2 | |
| FILE NO. | 260-80 |

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SCALES INDICATED RELATE TO
30" X 42" FULL-SIZE DRAWINGS

ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
ACCESS DRIVE PLAN & PROFILE

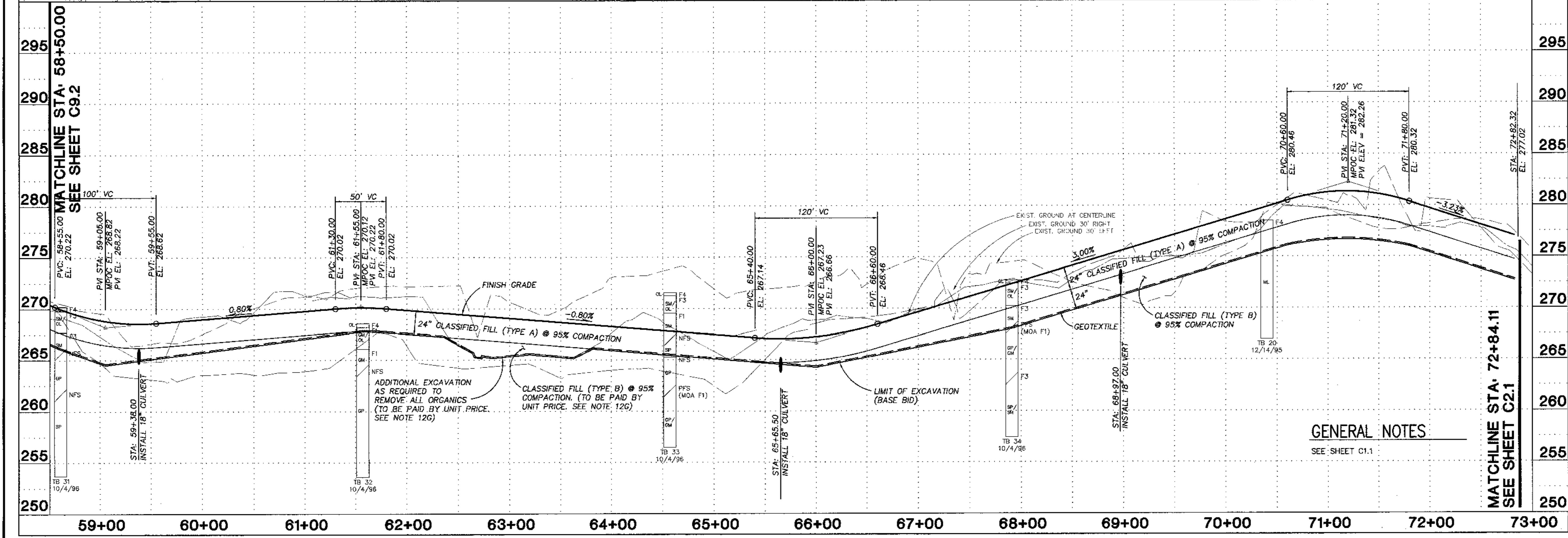
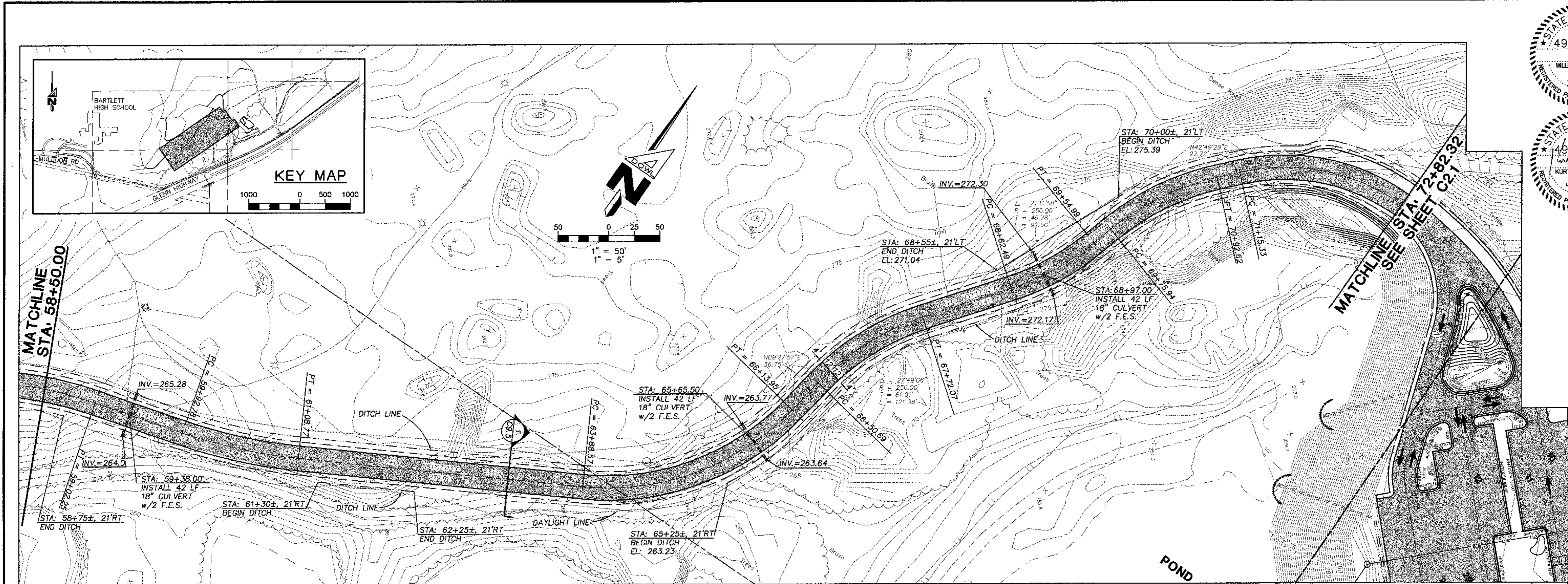
Revisions

CONFORMED DRAWINGS

Date: 04/17/98
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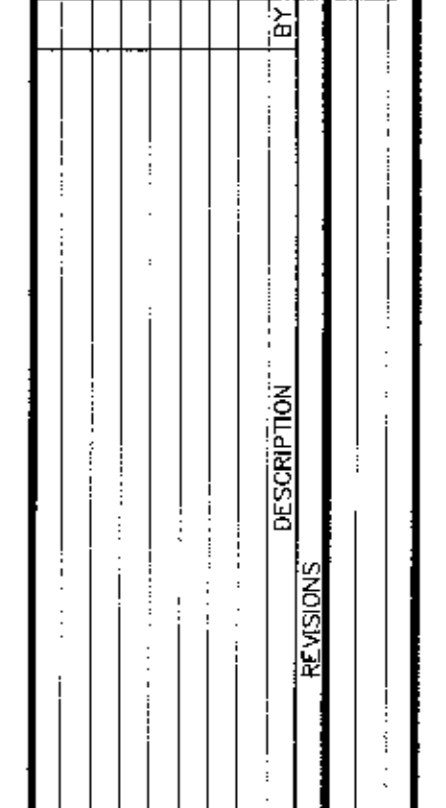
GENERAL NOTES
SEE SHEET C1.1

DESIGNED BY KRH/DC
CHECKED BY WPH
DRAWN BY GLB
DATE 04/17/98
W.D. NO. D54557B
F.B. NO. 180.1209
LOCATION ANCHORAGE 1042/1142

HORIZ. 1" = 50'
VERT. 1" = 5'

SHEET C9.3
260-80

SCALES INDICATED RELATE TO 30 X42 FULL-SIZE DRAWINGS



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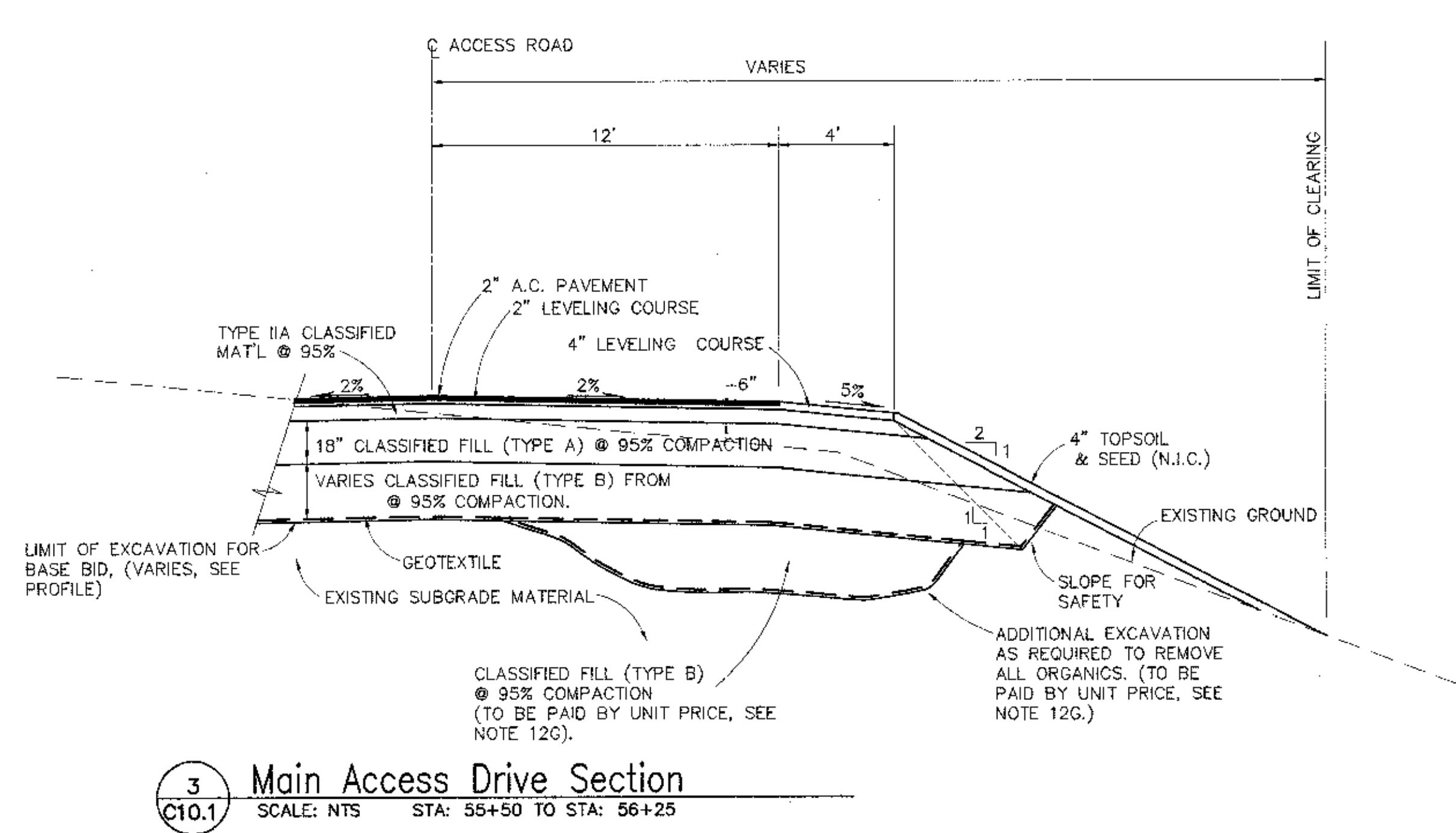
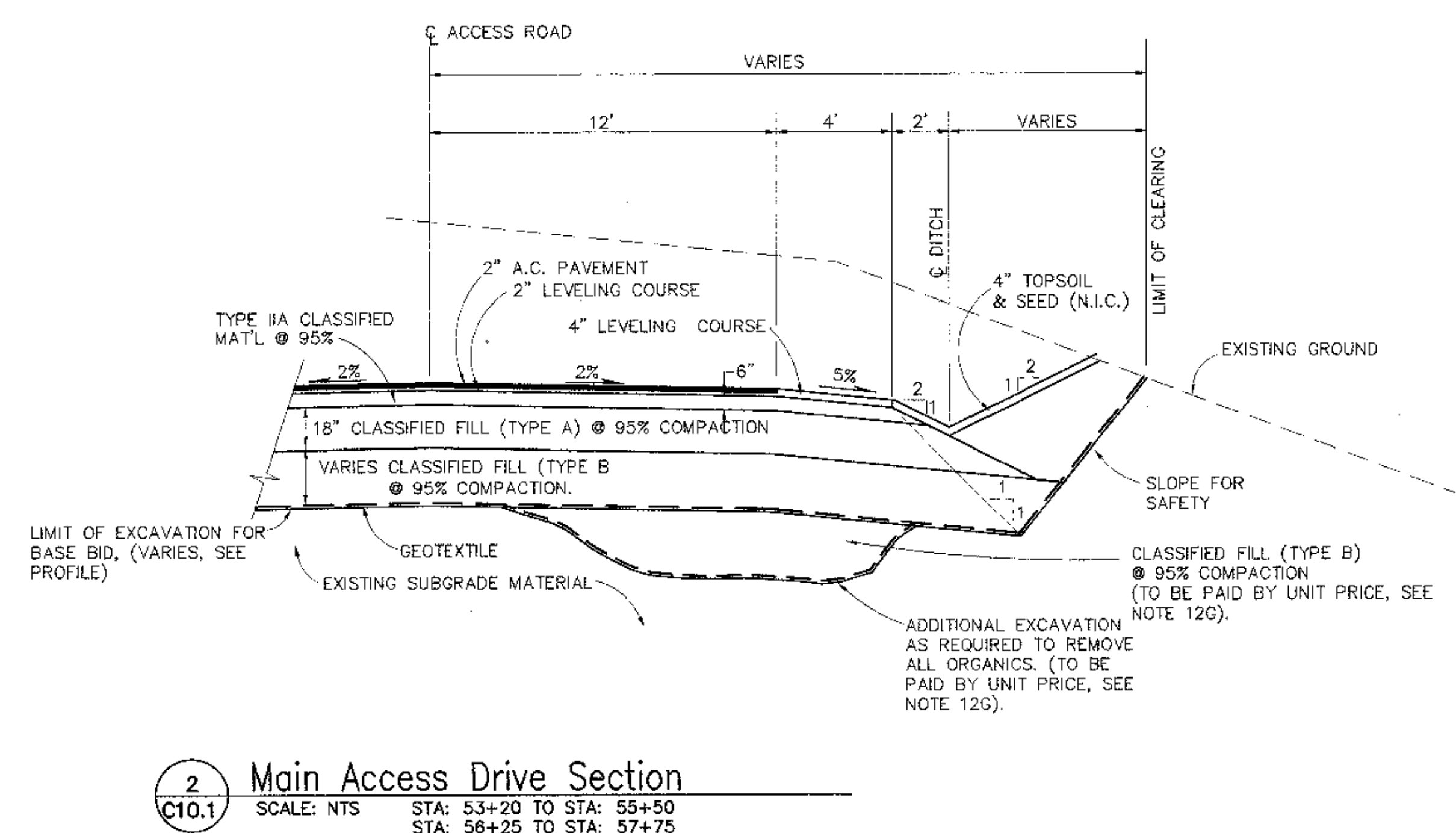
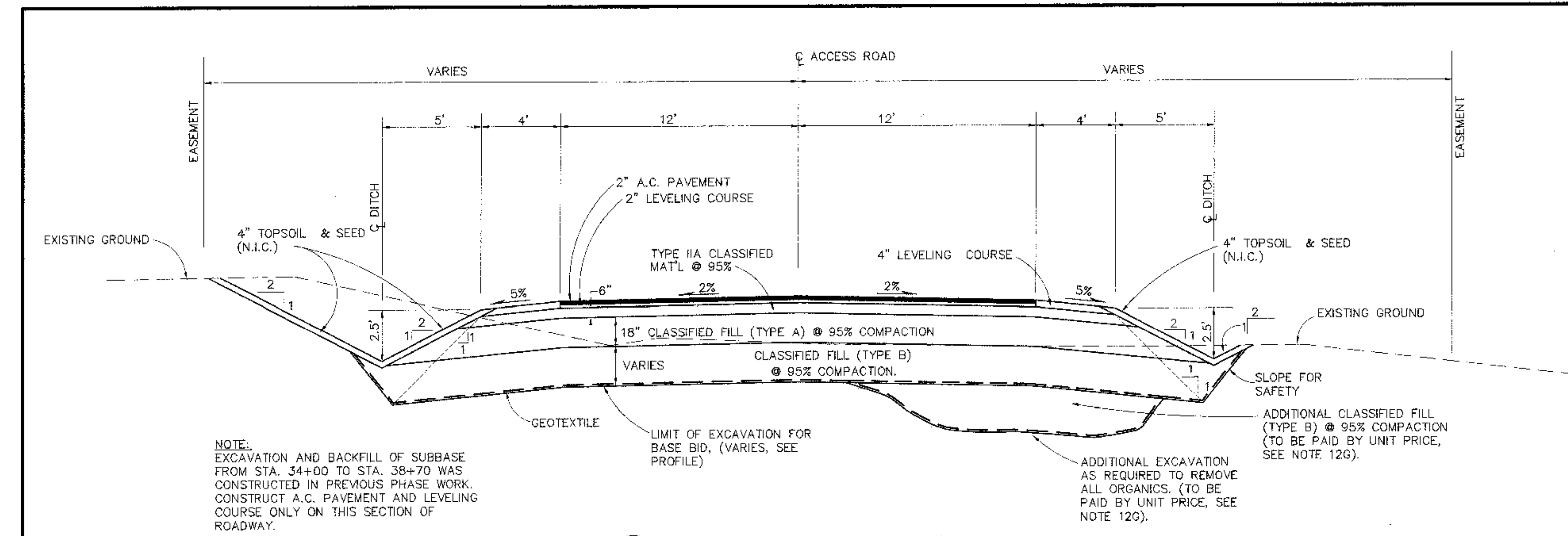
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ALASKA NATIVE HERITAGE CENTER
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ACCESS DRIVE PLAN & PROFILE



| NO. | DATE | DESCRIPTION | BY |
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4310 "B" Street
Anchorage, Alaska 99503
PHONE (907) 482-2000
FAX (907) 482-2000

ACCESS DRIVE SECTIONS AND DETAILS
ALASKA NATIVE HERITAGE CENTER
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| DESIGNED BY | KRH/DC |
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| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | DS4557B |
| F.B. NO. | 865,1108 |
| | 1180,1208 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| SCALE | |
| HORIZ. | AS SHOWN |
| VERT. | |
| SHEET | |
| | C10.1 |
| 260-80 | |

SCALE INDICATED RELATE TO
30"x42" FULL-SIZE DRAWINGS

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ALASKA NATIVE HERITAGE CENTER
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ACCESS DRIVE SECTIONS AND DETAILS

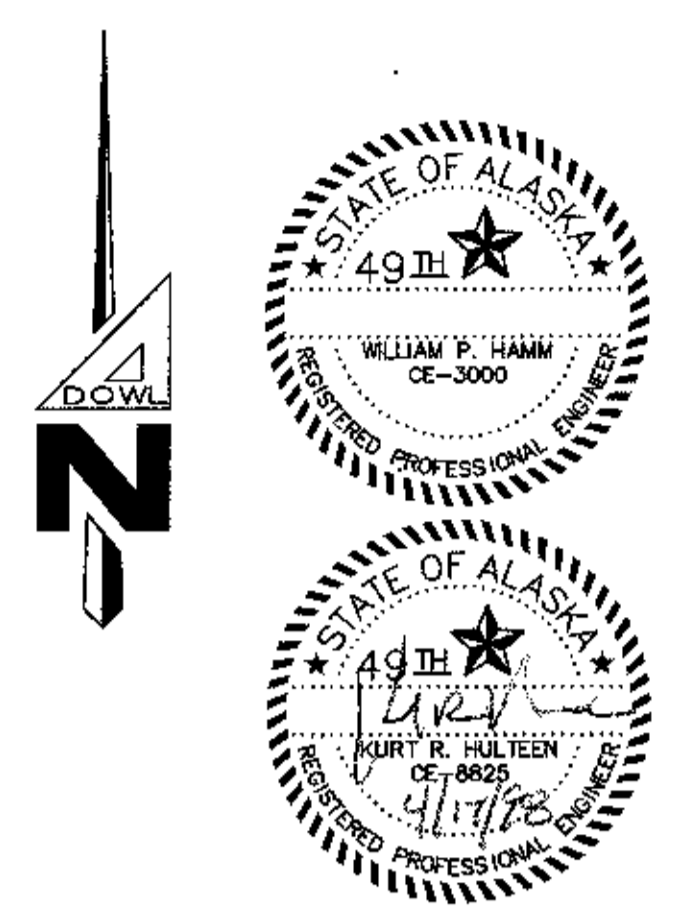
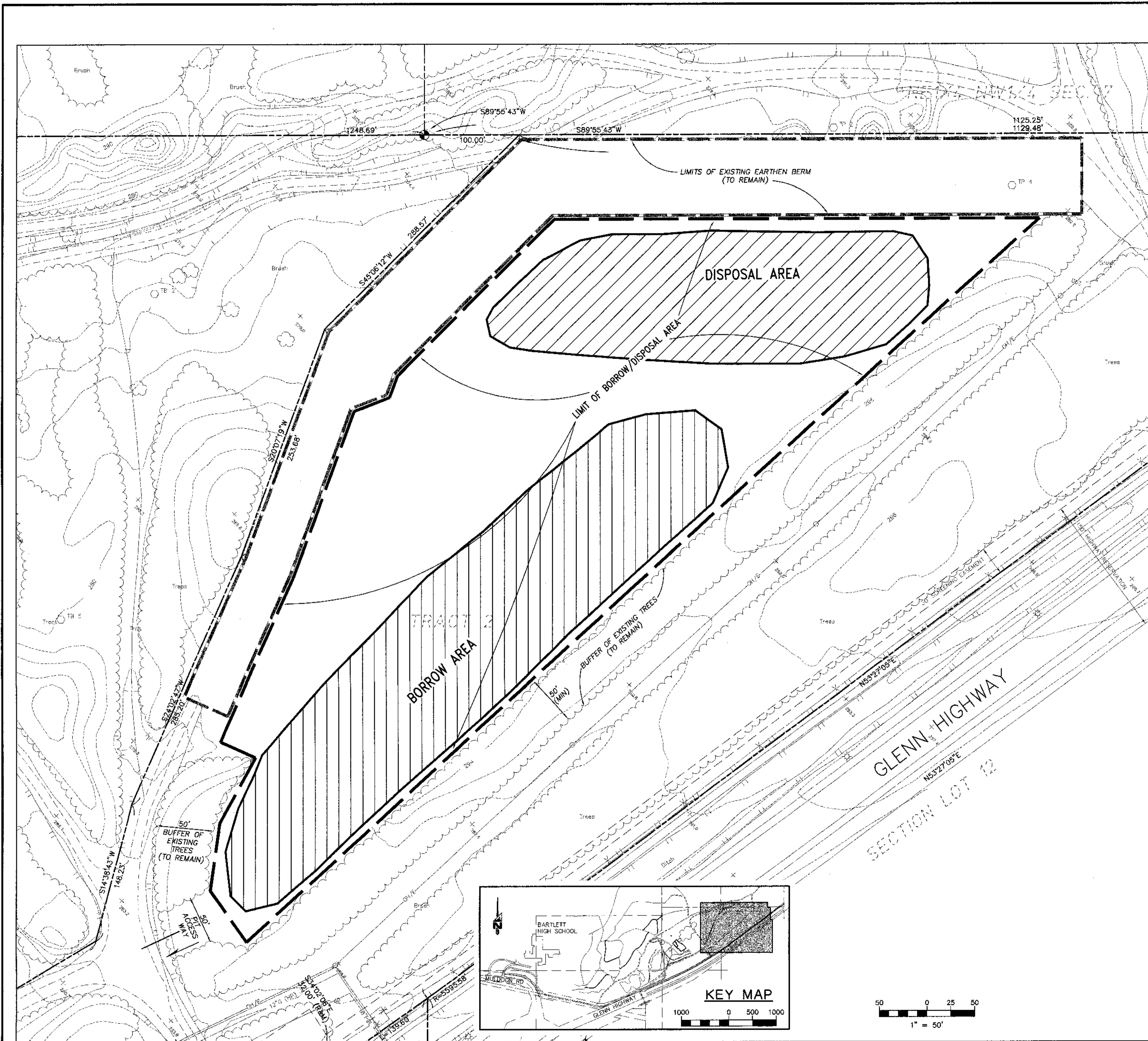
CONFORMED DRAWINGS

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| Drawn | GLB |
| Checked | KRH |
| Job No. | 95023 |
| Sheet No. | C10.1 |

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PROJECT: D-442078 DRAWING NAME: DOT/NHC SCRIPT FILE FOR THIS SHEET: PLOTTED: DEC 17 1997 11:59:25 (04/83)

FILENAME: D54557B\CSIAHHC.DWG SCRIPT FILE: HONROW.SCR XREF: XREFBASE.XREFMLP XREF: XREFBASE.XREFMLP CREATED: DEC 04 '99 / 12:23:58 UPDATED: APR 16 '98 09:26:25 PLOTTED: APR 16 '98 09:36:10 (W59919)



NOTES

- 1B. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A SOURCE OF BACKFILL MATERIAL FOR THE ALASKA NATIVE HERITAGE (ANHC) PROJECT. IF THE QUANTITY OF CLASSIFIED MATERIAL REQUIRED FOR THE WORK EXCEEDS THAT AVAILABLE FROM THE BORROW/DISPOSAL AREA, THE CONTRACTOR SHALL LOCATE, OBTAIN, DEVELOP, AND PROVIDE CLASSIFIED MATERIAL TO COMPLETE THE REQUIREMENTS OF THE WORK. THE CONTRACTOR MAY REQUEST PERMISSION TO PERFORM ADDITIONAL SOIL TESTING AT THE BORROW/DISPOSAL AREA TO DETERMINE QUALITY AND QUANTITY OF AVAILABLE CLASSIFIED MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE BORROW/DISPOSAL AREA PRIOR TO BIDDING TO OBSERVE EXISTING CONDITIONS. THE BORROW/DISPOSAL AREA WAS PARTIALLY DEVELOPED DURING THE PREVIOUS PHASE OF WORK.
- 2B. THE BORROW/DISPOSAL AREA HAS ALSO BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A DISPOSAL SITE FOR MATERIAL EXCAVATED FROM THE ANHC PROJECT THAT ARE UNSUITABLE AS BACKFILL OR SURPLUS TO CONSTRUCTION. DISPOSAL OF TREES, SHRUBS, STUMPS, AND ROOTS AT THE BORROW/DISPOSAL AREA IS NOT ALLOWED. THE CONTRACTOR SHALL REMOVE ALL TREES, SHRUBS, STUMPS, AND ROOTS TO A CONTRACTOR FURNISHED DISPOSAL SITE.
- 3B. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR THE SOLE USE OF THE ANHC PROJECT.
- 4B. THE CONTRACTOR SHALL OBTAIN A LAND USE PERMIT FROM COOK INLET REGION INC. (CIR) PRIOR TO WORK IN THE BORROW/DISPOSAL AREA. A DRAFT COPY OF THE LAND USE PERMIT IS INCLUDED IN THE SPECIFICATION. THE CONTRACTOR SHALL REVIEW THE PERMIT STIPULATIONS, SPECIAL CONDITIONS, AND FIELD OPERATIONS REQUIREMENTS IDENTIFIED IN THE DRAFT LAND USE PERMIT AND BE PREPARED TO COMPLY WITH THESE REQUIREMENTS IF INTENDING TO UTILIZE THE BORROW/DISPOSAL AREA. THE CONTRACTOR SHALL CONTACT WILLIAM TAI, SENIOR LAND MANAGEMENT OFFICER AT COOK INC. REGION, INC. AT 263-5107 TO FINALIZE THE PERMIT PRIOR TO BEGINNING WORK IN THE BORROW/DISPOSAL AREA.
- 5B. UTILIZATION OF THE BORROW/DISPOSAL AREA SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. BORROW/DISPOSAL AREA USE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO REMOVAL OF OVERBURDEN, EXCAVATION OF BORROW MATERIAL, AND DISPOSAL OF UNSUITABLE EXCAVATION FROM THE ANHC PROJECT. THE BORROW MATERIAL IS BEING PROVIDED TO THE ANHC PROJECT AT NO COST TO THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE ALL OTHER COSTS ASSOCIATED WITH THE USE OF THE BORROW/DISPOSAL AREA IN THEIR BID.
- 6B. THE CONTRACTOR SHALL SUBMIT A GRAVEL EXTRACTION AND DISPOSAL PLAN INDICATING HOW THE BORROW/DISPOSAL AREA WILL BE UTILIZED. RESTORATION OF THE BORROW/DISPOSAL AREA IS NOT REQUIRED BY THIS CONTRACT BECAUSE FUTURE PHASES OF THE ANHC PROJECT WILL REQUIRE USE OF THE BORROW/DISPOSAL AREA. THE EXTRACTION AND DISPOSAL PLAN SHALL INCORPORATE THE REQUIREMENT FOR FUTURE USE OF THE BORROW/DISPOSAL AREA FOR EXTRACTION AND DISPOSAL.
- 7B. THE CONTRACTOR SHALL COVER ANY ORGANIC MATERIAL DISPOSED OF AT THE BORROW/DISPOSAL AREA WITH A MINIM 4 FOOT LAYER OF SILTS, GRAVELS, OR SANDS CONTAIN TO PERCENT MAXIMUM ORGANIC MATERIALS.
- 8B. THE HORIZONTAL LIMITS OF THE BORROW/DISPOSAL AREA ARE SHOWN ON THE DRAWING.
- 9B. EXISTING GROUND CONTOURS HAVE BEEN REMOVED FROM THIS DRAWING BECAUSE THE ORIGINAL CONTOURS ARE NO LONGER VALID DUE TO WORK COMPLETED DURING THE SUMMER OF 1997. THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID.
- 10B. ALL EXCAVATION SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.

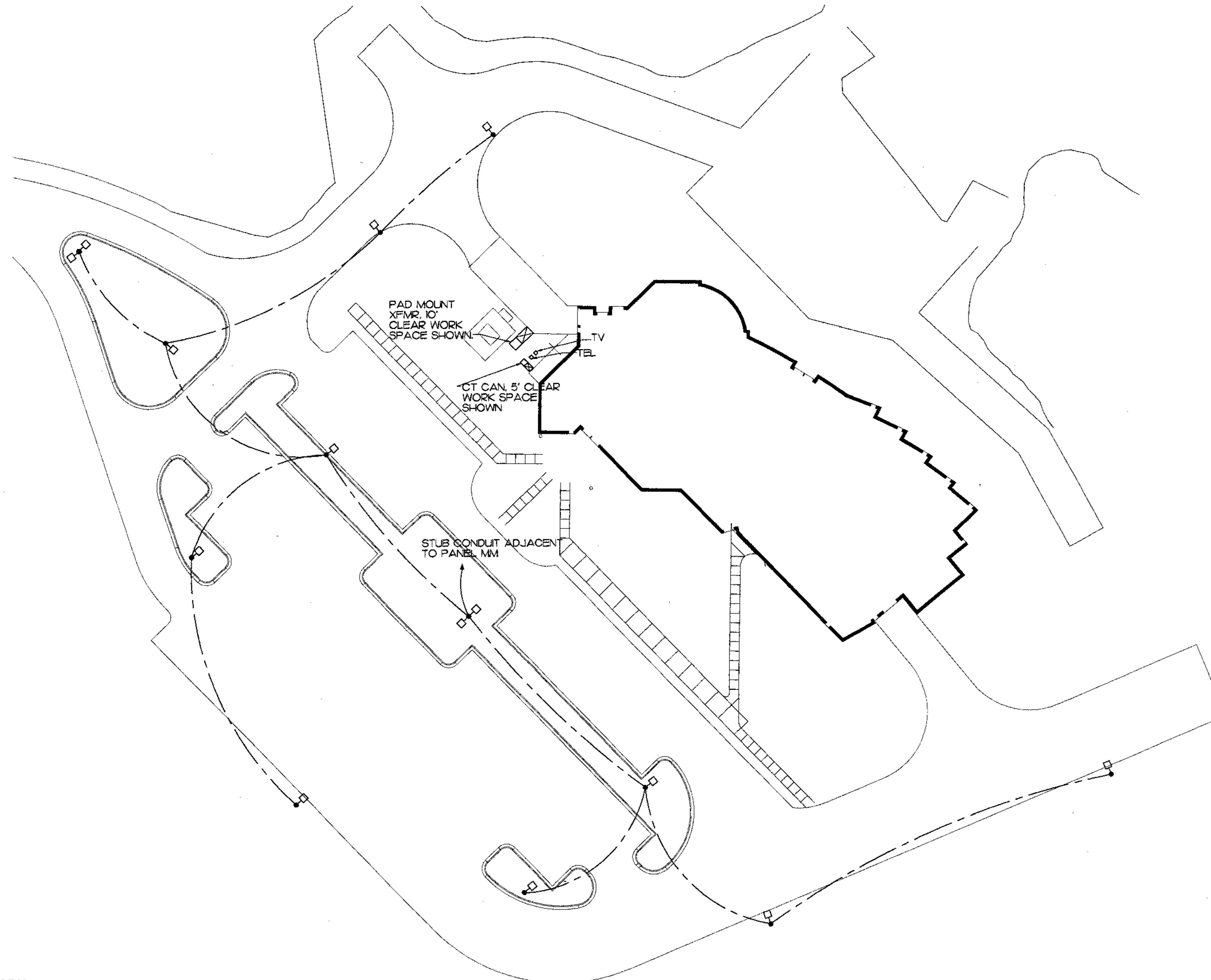
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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ALASKA NATIVE HERITAGE CENTER
 ANHC ANCHORAGE, ALASKA
 BORROW / DISPOSAL AREA SITE PLAN

| | |
|-----------|----------|
| Revisions | |
| Date | 04/17/98 |
| Drawn | GLB |
| Checked | KRH |
| Job No. | 95023 |
| Sheet No. | |

C11.1
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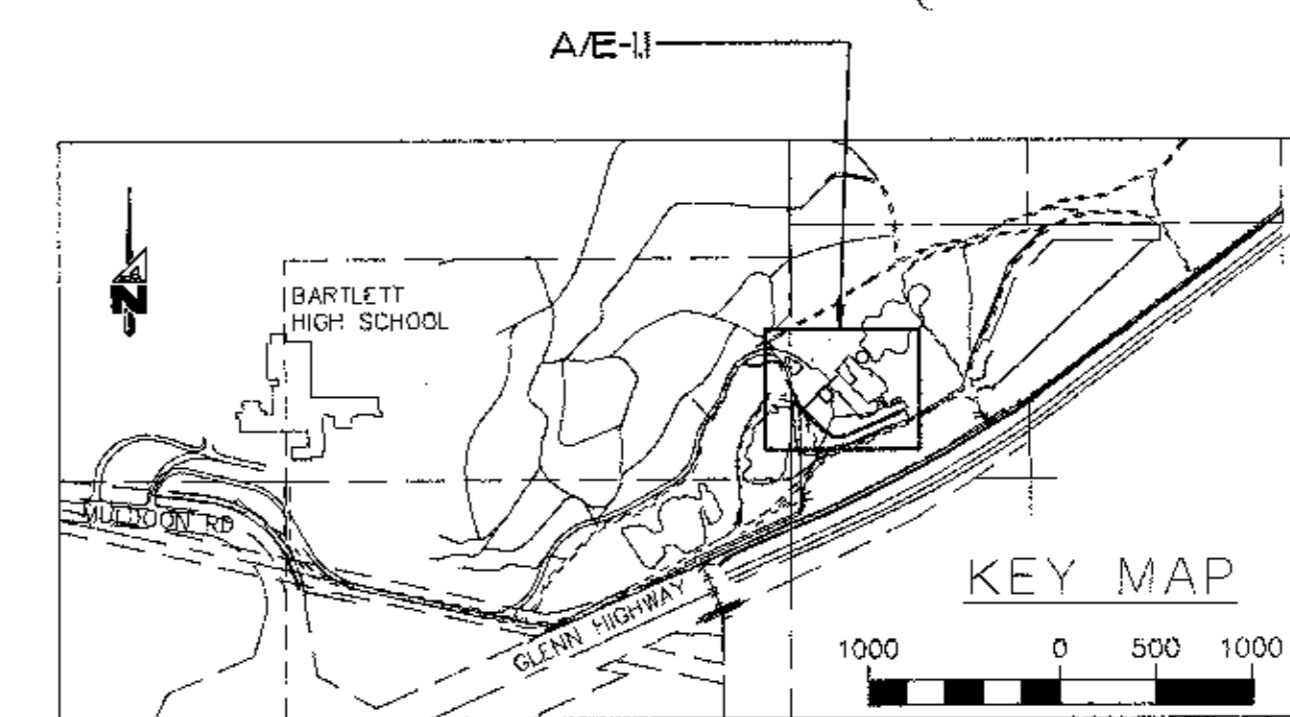
NOTES

1. ALL FIXTURES SHALL BE GE #DSMT40SOAIGMC3DB. POLES SHALL BE DARK BRONZE PAINTED SQUARE STRAIGHT ALUMINUM 30 FOOT MOUNTING HEIGHT.
2. CALCULATED MAINTAINED LIGHTING LEVEL IS 27 FC AVE. CALCULATED AVERAGE/MINIMUM UNIFORMITY RATIO IS 3.86. THESE VALUES ARE COMPLIANT WITH THE RECOMMENDATIONS OF THE IESNA AND MUNICIPAL REGULATIONS.
3. ALL CONDUIT SHALL BE 3/4" RSC.
4. CONDUIT ONLY SHALL BE INSTALLED DURING THIS PHASE. CONDUCTORS SHALL BE INSTALLED DURING SUBSEQUENT PHASE. PROVIDE PULL WIRE IN ALL EMPTY CONDUIT.

PARKING LOT LIGHTING PLAN
SCALE: 1" = 30'

| ABBR. | EXPLANATION | SYMBOL |
|--------|--|--------|
| NIC | NOT IN CONTRACT | |
| IGC | IN GENERAL CONSTRUCTION | |
| UON | UNLESS OTHERWISE NOTED | |
| A/100 | LIGHTING FIXTURE DESIGNATION - SEE SCHEDULE | |
| ETR | EXISTING TO REMAIN | |
| N.L. | NIGHT LIGHT | |
| WP | WATERPROOF | |
| E | EMERGENCY LIGHT, CIRCUIT, PANEL | |
| C | CONDUIT, CONCEALED. SIZE AS NOTED (TYP.) | |
| U | CONDUIT, UNDERGROUND OR UNDERFLOOR | |
| F | CONDUIT, EXPOSED | |
| FLEX | CONDUIT, FLEXIBLE | |
| | MULTI-OUTLET ASSEMBLY-RECEPTACLES AS INDICATED | |
| | HOMERUN TO PANEL/CIRCUITS AS NOTED | |
| | WIRE COUNT OF # 12 UON/SPECIFIED | |
| | CONDUIT UP | |
| | CONDUIT DOWN | |
| | PANELBOARD - SEE SCHEDULES | |
| | REFER TO INDICATED NOTE | |
| | TELEPHONE RECEPTACLE | |
| | TELEPHONE RECEPTACLE IN FLOOR BOX | |
| | DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE - NEMA 5-20R GFCI TYPE | |
| | ISOLATED GRD DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE IN FLOOR BOX | |
| | RECEPTACLE - NEMA CONFIGURATION AS NOTED | |
| | TELEVISION RECEPTACLE | |
| | JUNCTION BOX | |
| | SINGLE PHASE MOTOR - SIZE AS INDICATED | |
| | THREE PHASE MOTOR - SIZE AS INDICATED | |
| | MOTOR CONTROLLER | |
| | MOTOR DISCONNECT | |
| | COMBINATION STARTER/DISCONNECT | |
| XFMR | TRANSFORMER | |
| SW | SWITCH - SINGLE POLE | |
| | SWITCH - TWO POLE | |
| | SWITCH - THREE WAY | |
| | SWITCH - FOUR WAY | |
| | SWITCH - DIMMING TYPE | |
| | SWITCH - WITH PILOT LIGHT | |
| | SWITCH - THERMAL OVERLOAD | |
| | SWITCH - LOW VOLTAGE | |
| | SWITCH - WITH TIMER | |
| | PHOTOELECTRIC TYPE SMOKE DETECTOR | |
| | IONIZATION TYPE SMOKE DETECTOR | |
| | HEAT DETECTOR - F INDICATES FIXED TEMP ONLY | |
| | RESIDENTIAL TYPE SMOKE DETECTOR | |
| | DUCT MOUNTED SMOKE DETECTOR | |
| | FIRE ALARM HORN/STROBE | |
| | FIRE ALARM STROBE | |
| | WEATHERPROOF FIRE ALARM HORN | |
| | FIRE ALARM MANUAL STATION | |
| FACP | FIRE ALARM CONTROL PANEL | |
| T*STAT | THERMOSTAT | |
| | COMPUTER OUTLET | |
| | PUSHBUTTON SWITCH | |
| TTB/C | TELEPHONE TERMINAL BOARD/CABINET | |
| STBY | STANDBY CIRCUIT | |
| PC | PHOTOCELL | |
| TC | TIMELOCK | |
| | CLOCK | |
| | COMBINATION CLOCK/SPEAKER | |
| | MAGNETIC DOOR SWITCH | |
| | SECURITY ALARM PANEL | |
| | SOUND/CLOCK CONSOLE | |
| | CALL-IN SWITCH | |
| | SPEAKER ASSEMBLY - CEILING MOUNTED | |
| | WALL MOUNTED SPEAKER ASSEMBLY | |
| | BELL | |
| | COMBINATION SPEAKER/CALL-IN SWITCH | |
| CCTV | CLOSED-CIRCUIT TELEVISION CAMERA | |
| | EXIT SIGN - SELF POWERED | |
| | BATTERY-POWERED EMERGENCY LIGHT | |
| | LIGHTING FIXTURES - VARIOUS TYPES AS NOTED | |
| | SHADING INDICATES EMERGENCY LIGHTING FIXTURE | |
| | DIAGONAL LINE INDICATES STANDBY FIXTURE | |

THIS IS A STANDARD LEGEND, SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.



Plot Time: 07:34:04
Plot Date: 04/16/98
DWG Name: TRACER:5003_01_1.dwg

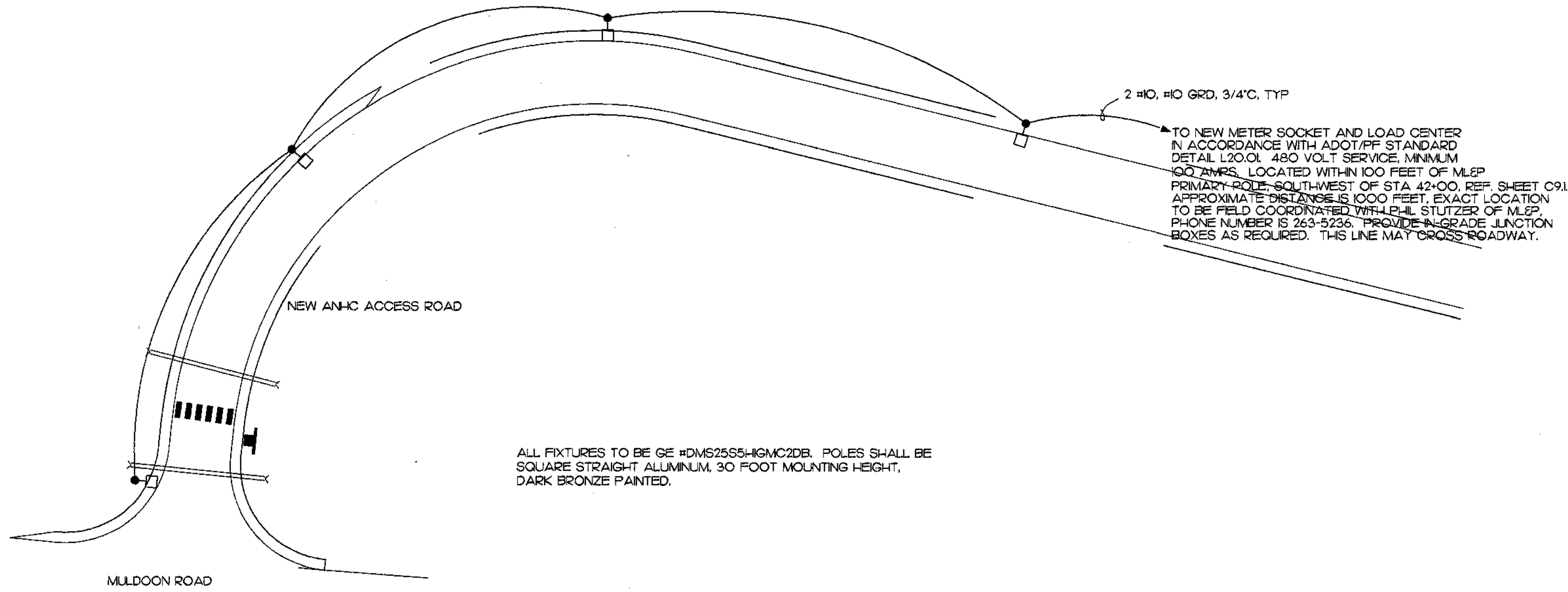
SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS
30' 0 30' 60' 120'
GRAPHIC SCALE: 1" = 30'

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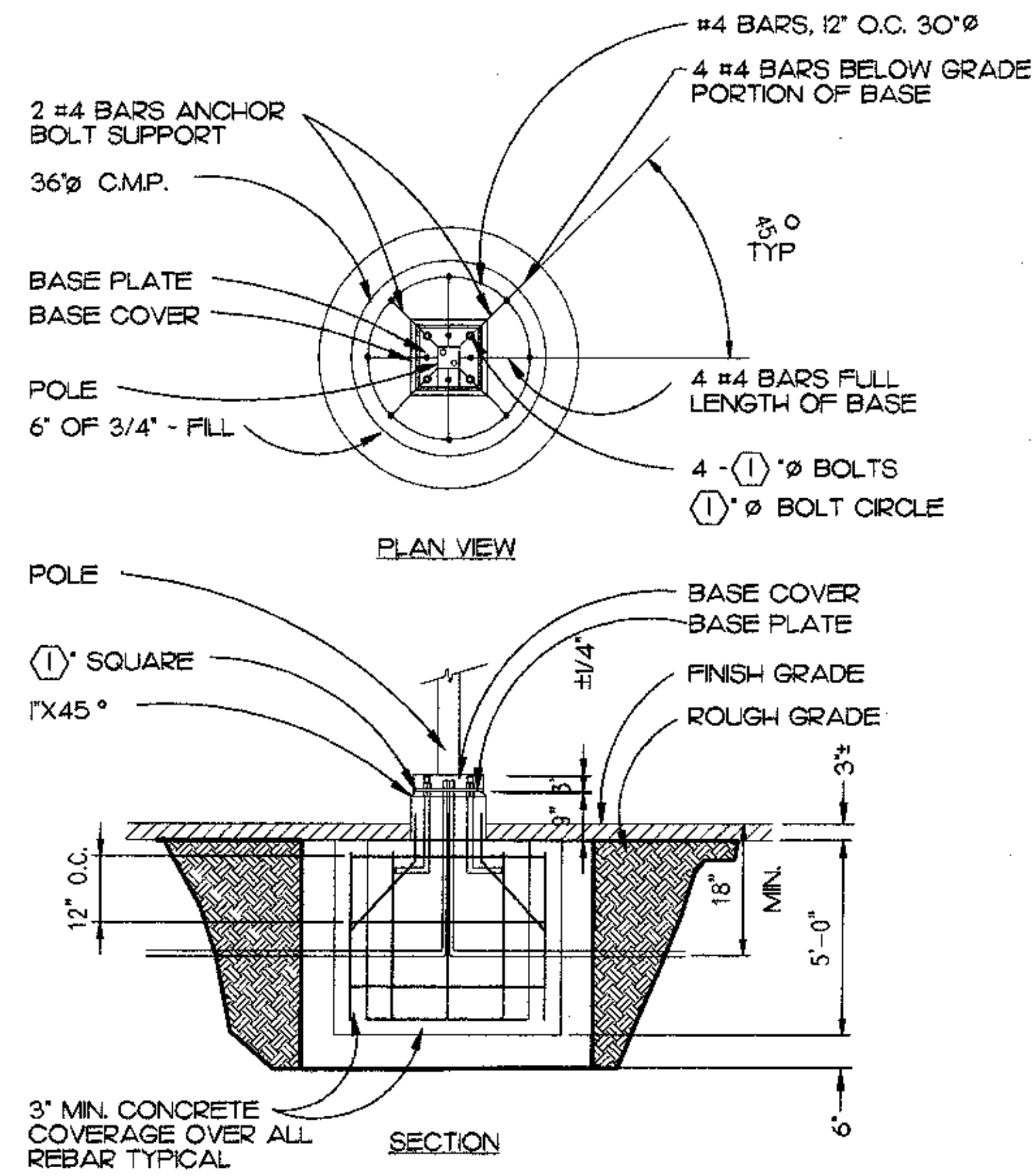
ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
PARKING LOT LIGHTING PLAN AND LEGEND

Revisions
CONFORMED DRAWINGS
Date: 4/17/98
Drawn: TLC
Checked: MJL
Job No.: 95023
Sheet No.:
E-1.1
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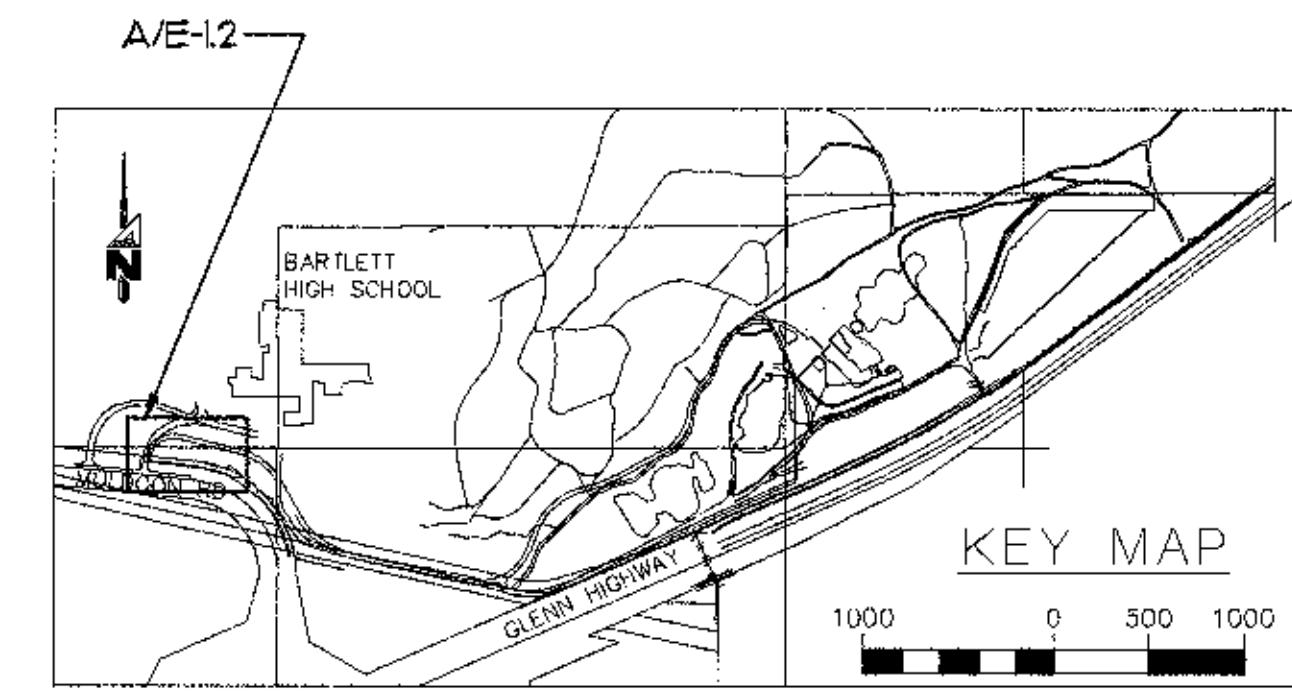
ALL FIXTURES TO BE GE #DMS25S5-HGMC2DB. POLES SHALL BE SQUARE STRAIGHT ALUMINUM, 30 FOOT MOUNTING HEIGHT, DARK BRONZE PAINTED.

ACCESS DRIVE LIGHTING PLAN
SCALE: 1" = 25'



- NOTE**
- VERIFY ANCHOR BOLT SIZE, BOLT CIRCLE, AND FOUNDATION SIZE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS. TOP OF FOUNDATION MINIMUM 2" LARGER THAN BASE PLATE.
 - THIS DETAIL APPLIES TO POLES ALONG ACCESS ROAD AND AT PARKING AREA AS SHOWN ON E-11.

B POLE BASE DETAIL
E-12 NTS



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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
ACCESS DRIVE LIGHTING DETAILS

Revisions

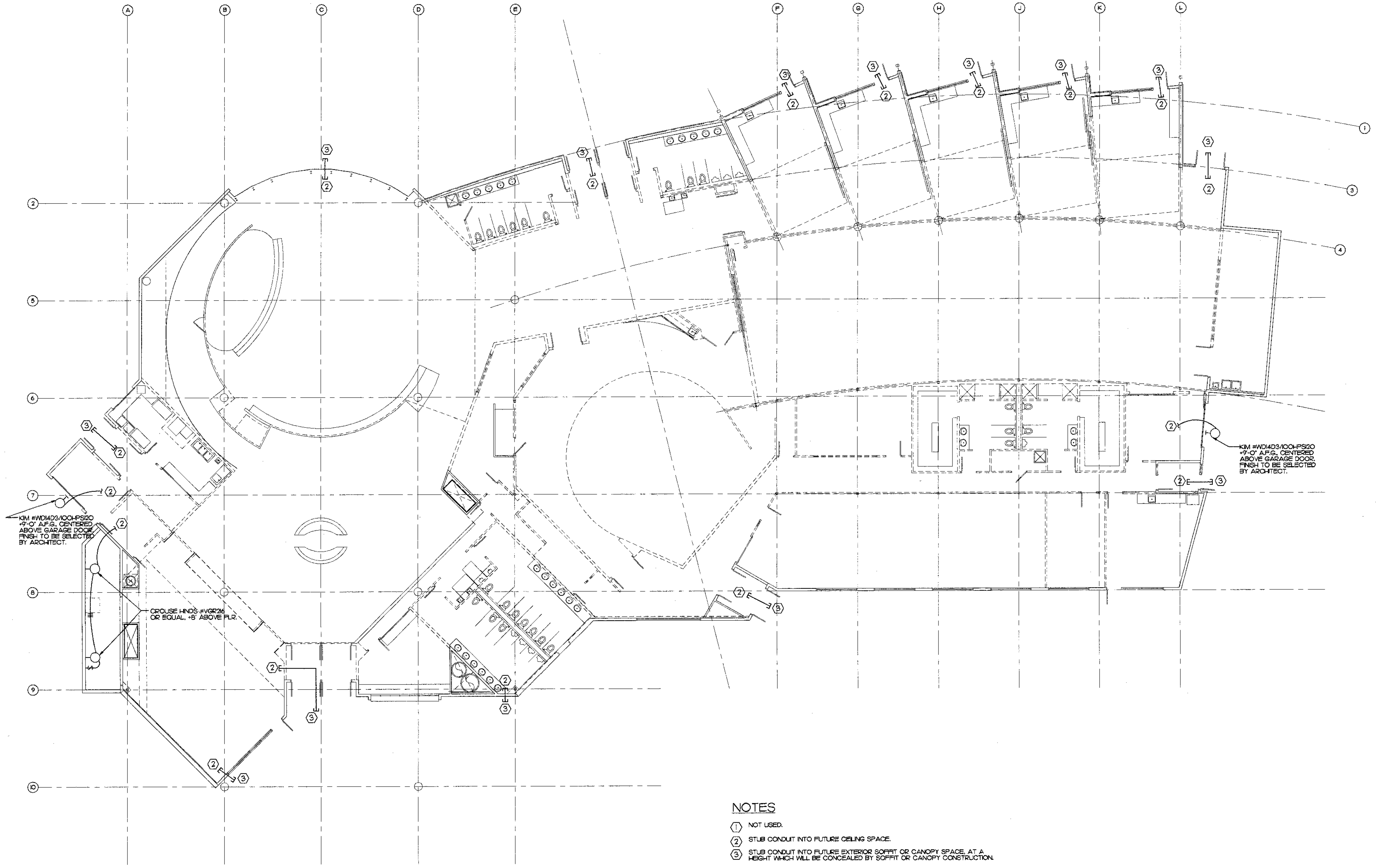
CONFORMED DRAWINGS

Date: 4/17/98
Drawn: DJM
Checked: REA
Job No.: 95023

Sheet No.

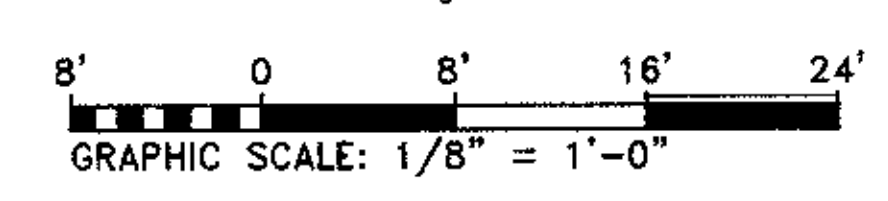
E-1.2

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- NOTES**
- ① NOT USED.
 - ② STUB CONDUIT INTO FUTURE CEILING SPACE.
 - ③ STUB CONDUIT INTO FUTURE EXTERIOR SOFFIT OR CANOPY SPACE, AT A HEIGHT WHICH WILL BE CONCEALED BY SOFFIT OR CANOPY CONSTRUCTION.

LIGHTING PLAN
 E-2 SCALE: 1/8" = 1'-0"



SCALES INDICATED RELATE TO
 30" X 42" FULL-SIZE DRAWINGS

Plot Time: 07:27:50
 Plot Date: 04/16/98
 DWG Name: TRACCT/5003_E2.dwg

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ALASKA NATIVE HERITAGE CENTER
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 LIGHTING PLAN

Revisions

CONFORMED DRAWINGS

Date 4/17/98
 Drawn TLC
 Checked DJM
 Job No. 95023

Sheet No.

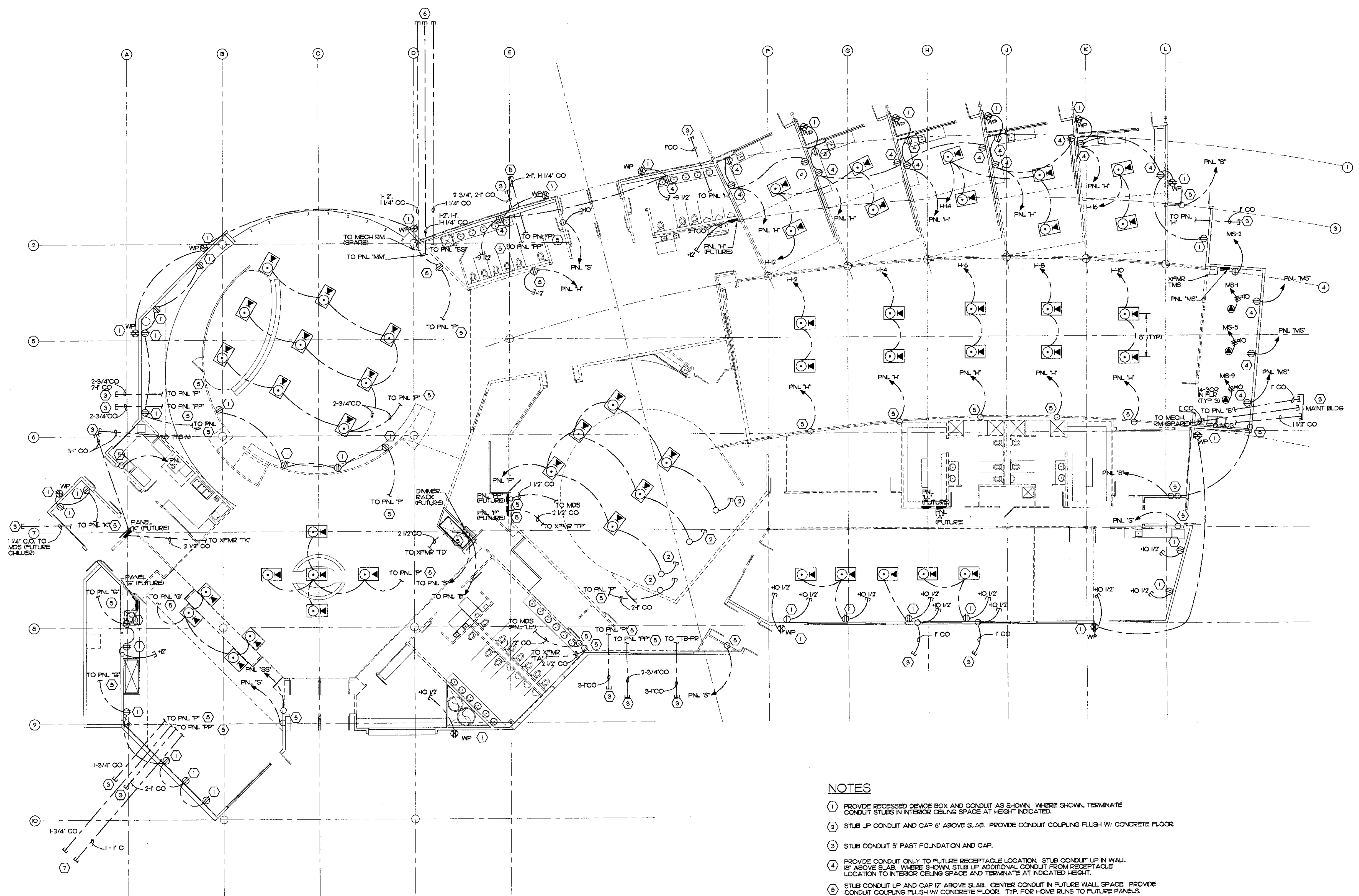
E-2

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NOTES

- ① PROVIDE RECESSED DEVICE BOX AND CONDUIT AS SHOWN. WHERE SHOWN, TERMINATE CONDUIT STUBS IN INTERIOR CEILING SPACE AT HEIGHT INDICATED.
- ② STUB UP CONDUIT AND CAP 6" ABOVE SLAB. PROVIDE CONDUIT COUPLING FLUSH W/ CONCRETE FLOOR.
- ③ STUB CONDUIT 5' PAST FOUNDATION AND CAP.
- ④ PROVIDE CONDUIT ONLY TO FUTURE RECEPTACLE LOCATION. STUB CONDUIT UP IN WALL 18" ABOVE SLAB. WHERE SHOWN, STUB UP ADDITIONAL CONDUIT FROM RECEPTACLE LOCATION TO INTERIOR CEILING SPACE AND TERMINATE AT INDICATED HEIGHT.
- ⑤ STUB CONDUIT UP AND CAP 12" ABOVE SLAB. CENTER CONDUIT IN FUTURE WALL SPACE. PROVIDE CONDUIT COUPLING FLUSH W/ CONCRETE FLOOR. TYP. FOR HOME RUNS TO FUTURE PANELS.
- ⑥ STUB OUT 60" AND CAP ADJACENT TO ROOF DRAIN.
- ⑦ STUB OUT 120" AND CAP IN ISLAND ADJACENT TO WATER LINE.

POWER PLAN
 E-3 SCALE 1/8" = 1'-0"

8' 0 8' 16' 24'
 GRAPHIC SCALE: 1/8" = 1'-0"

ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 POWER PLAN

Revisions

CONFORMED DRAWINGS

Date: 4/17/98
 Drawn: T.L.C.
 Checked: M.J.L.
 Job No.: 95023

Sheet No.

E-3

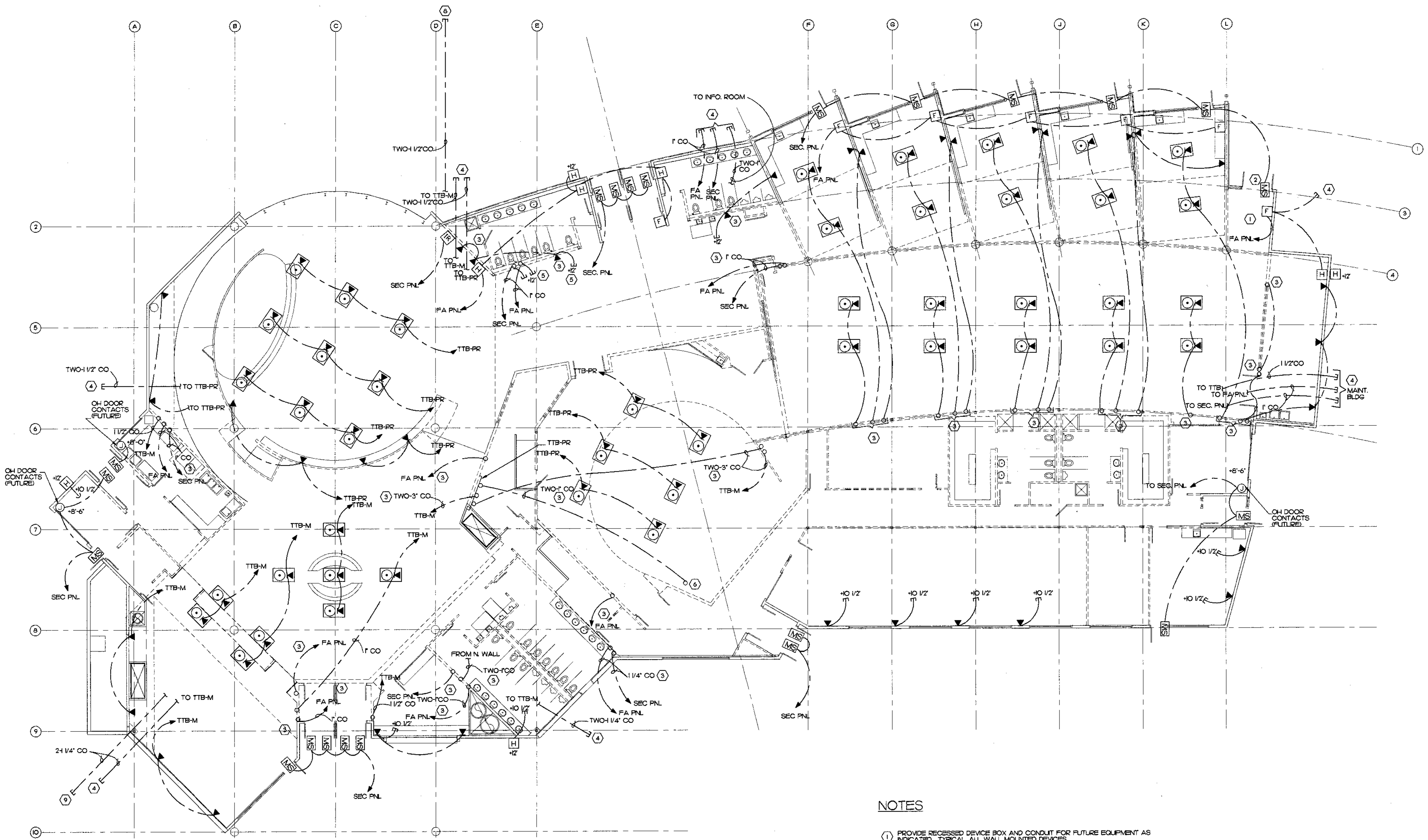
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Plot Time: 07:28:38
 Plot Date: 04/15/98
 DWG Name: TRACEY:35003_E3.dwg



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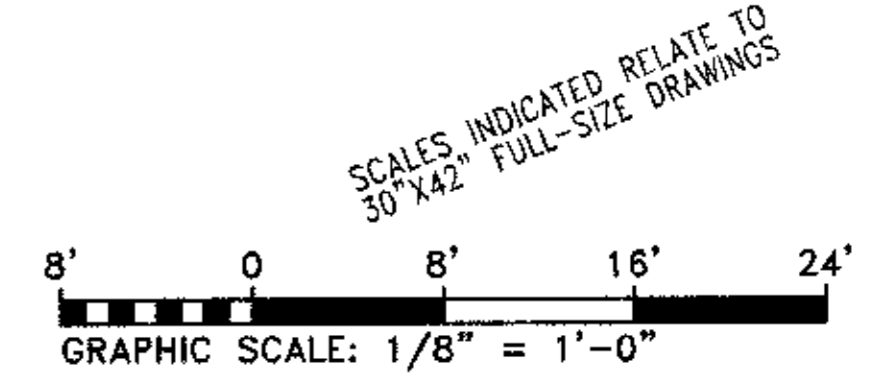
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NOTES

- ① PROVIDE RECESSED DEVICE BOX AND CONDUIT FOR FUTURE EQUIPMENT AS INDICATED. TYPICAL. ALL WALL MOUNTED DEVICES.
- ② PROVIDE CONDUIT TO TOP OF DOOR FRAME, LATCH SIDE OF DOOR. TYPICAL. ALL HINGED DOOR MAGNETIC CONTACT LOCATIONS.
- ③ STUB UP CONDUIT AT FUTURE WALL LOCATION AND CAP 12\"/>

SPECIAL SYSTEM PLAN
 SCALE: 1/8" = 1'-0"



Plot Time: 07:34:45
 Plot Date: 04/16/98
 DWG Name: TRACE\5003_1.dwg

ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 SPECIAL SYSTEMS PLAN

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E-4
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ALASKA NATIVE HERITAGE CENTER
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 ANCHORAGE, ALASKA
 MECHANICAL ROOM ELECTRICAL PLAN

Revisions

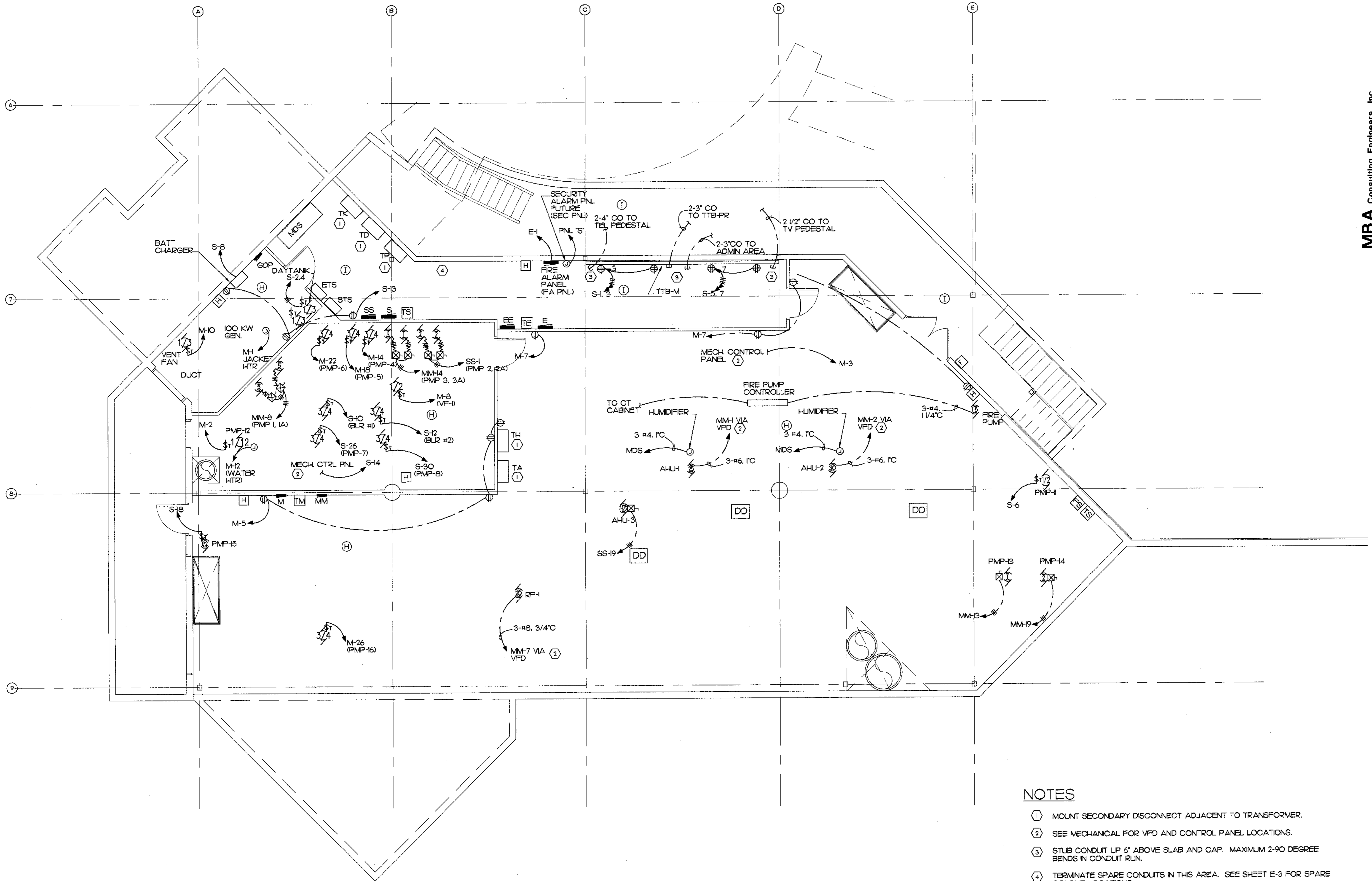
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Date: 4/17/98
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 Job No.: 95023

Sheet No.

E-5

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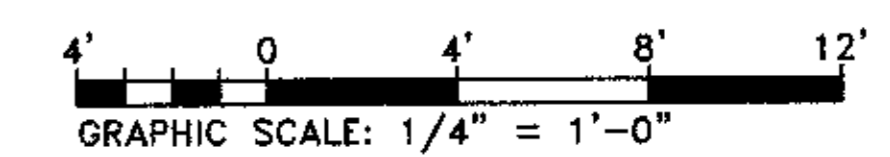


NOTES

- ① MOUNT SECONDARY DISCONNECT ADJACENT TO TRANSFORMER.
- ② SEE MECHANICAL FOR VFD AND CONTROL PANEL LOCATIONS.
- ③ STUB CONDUIT UP 6" ABOVE SLAB AND CAP. MAXIMUM 2-90 DEGREE BENDS IN CONDUIT RUN.
- ④ TERMINATE SPARE CONDUITS IN THIS AREA. SEE SHEET E-3 FOR SPARE CONDUIT LOCATIONS.

MECHANICAL ROOM ELECTRICAL PLAN
 E-5 SCALE: 1/4" = 1'-0"

SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS



Plot Time: 08:15:07
 Plot Date: 04/16/98
 DWG Name: TRACED:5003_ES.dwg

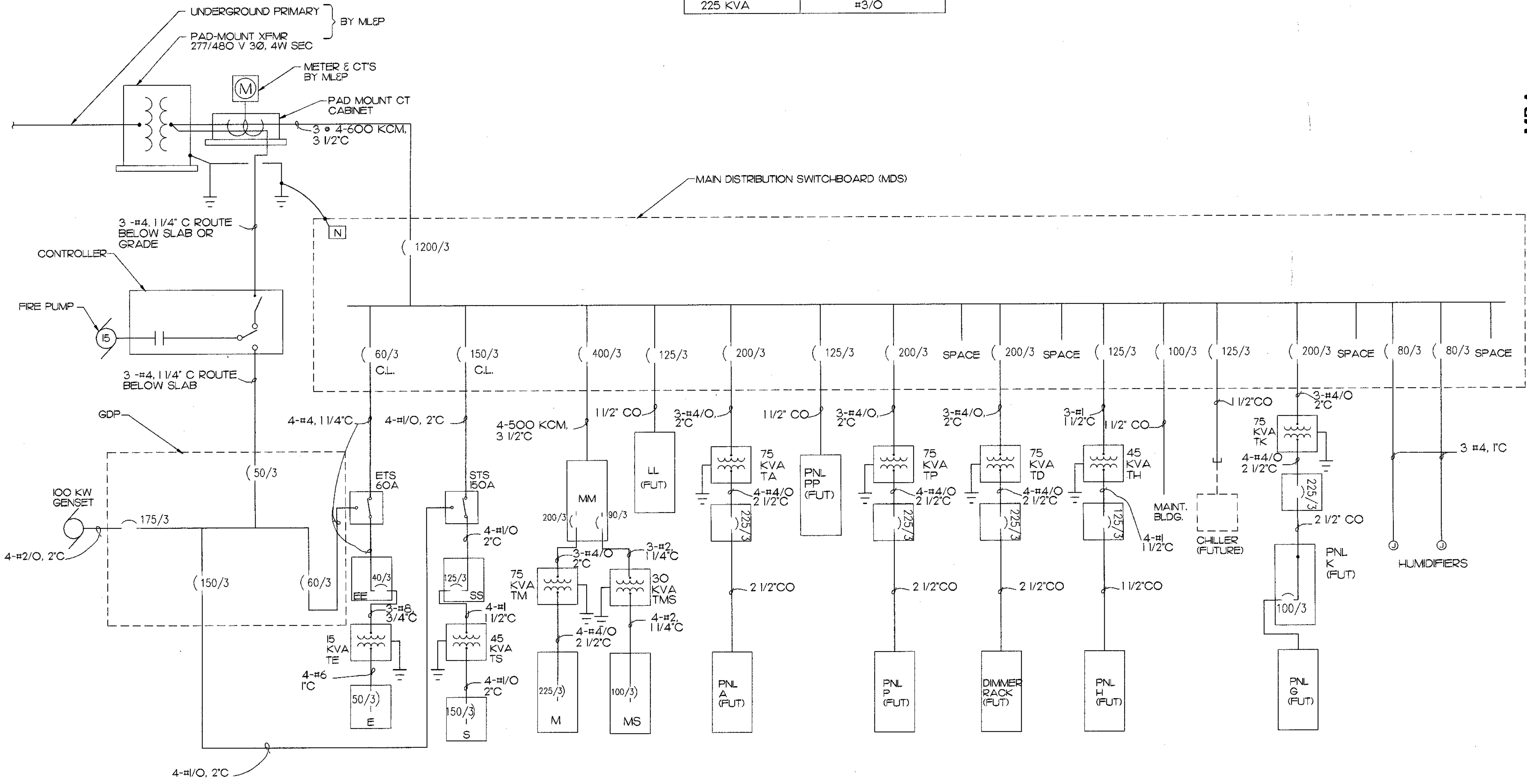


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| TRANSFORMER GROUNDING CONDUCTOR SCHEDULE | |
|--|--------------------|
| XFMR SIZE | GRD CONDUCTOR SIZE |
| 5 KVA | #8 |
| 30 KVA | #8 |
| 45 KVA | #6 |
| 75 KVA | #2 |
| 112.5 KVA | #1/0 |
| 225 KVA | #3/0 |

LOAD SUMMARY
 CONNECTED: 689 KVA, 827 AMPS
 NEC DEMAND: 645 KVA, 774 AMPS
 DEMAND & CONTINUOUS: 783 KVA, 941 AMPS
 SEE PANEL SCHEDULES FOR ADDITIONAL DETAIL



POWER ONE-LINE DIAGRAM
 E-6 NO SCALE

ALASKA NATIVE HERITAGE CENTER
 ANHC ANCHORAGE, ALASKA
 POWER ONE-LINE DIAGRAM

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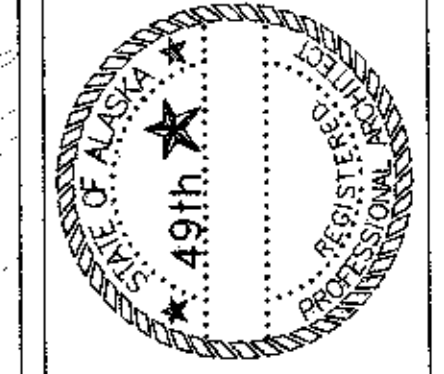
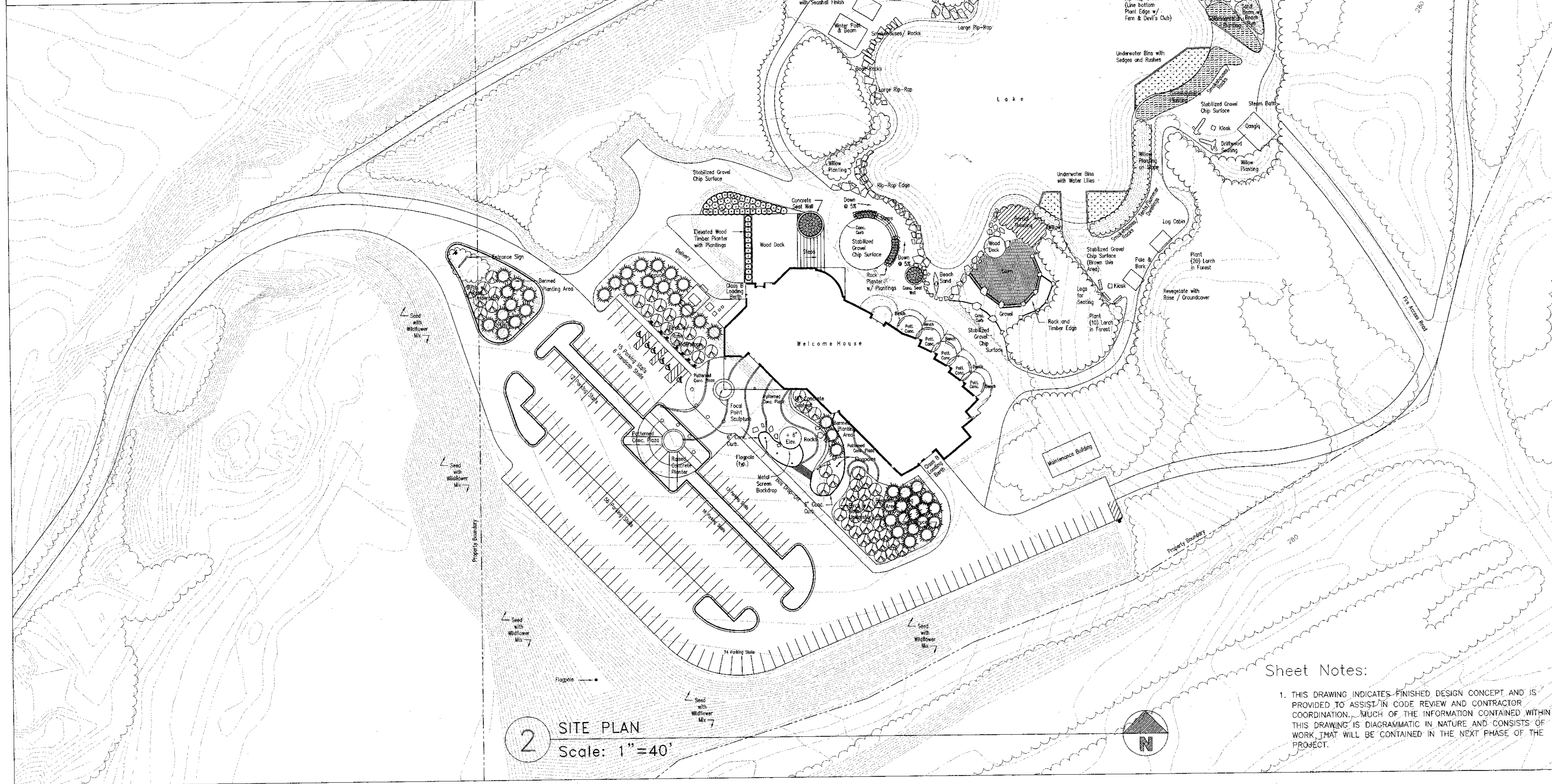
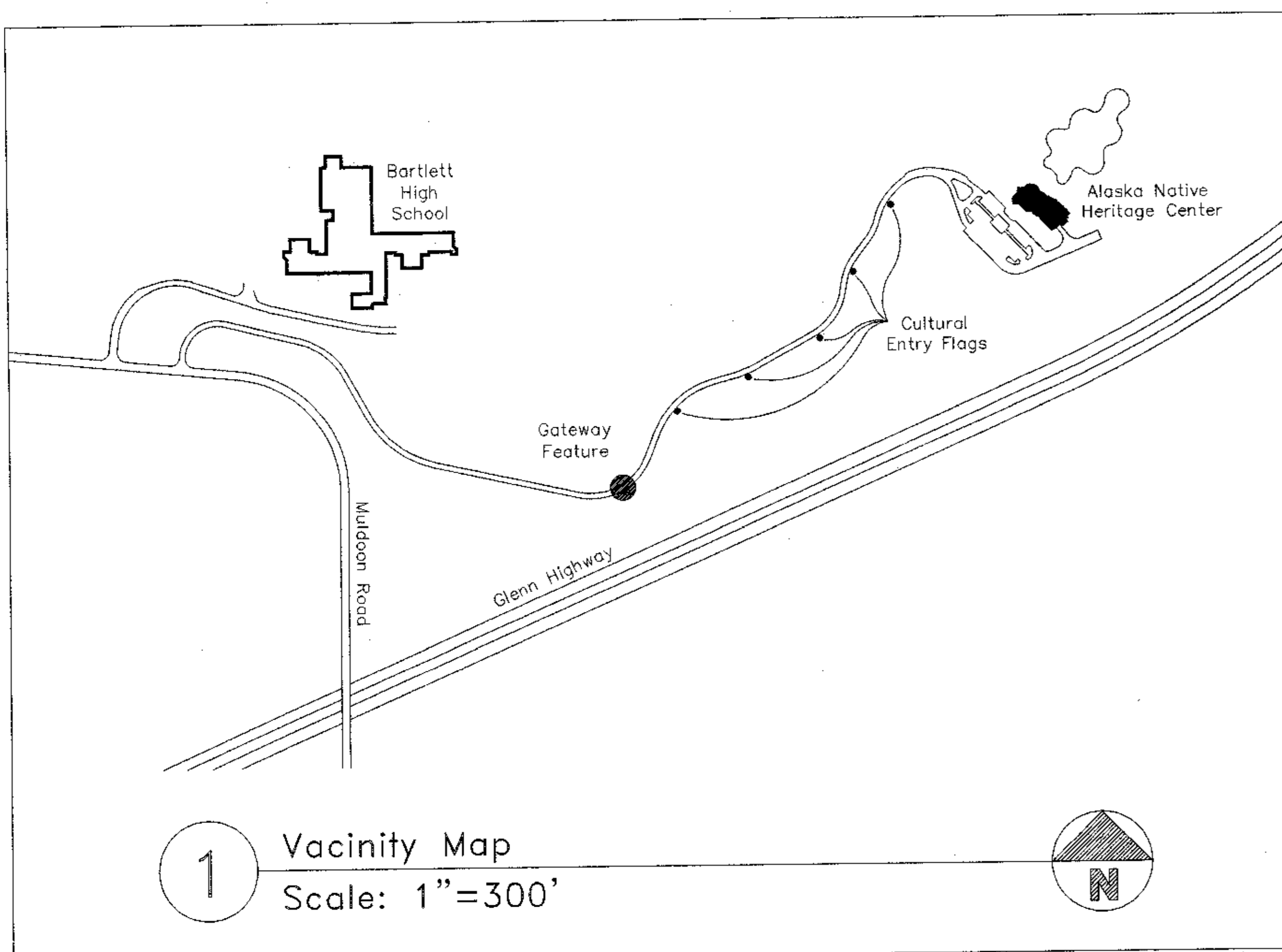
Sheet No.

E-6

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SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

Plot Time: 08:15:48
 Plot Date: 04/16/98
 DWG Name: TRACEY:5003_E6.dwg



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ALASKA NATIVE HERITAGE CENTER
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 SITE PLAN

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| | |
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| Date | 04/17/98 |
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| Checked | WDA |
| Job No. | 95023 |
| Sheet No. | L1 |

Sheet Notes:

1. THIS DRAWING INDICATES FINISHED DESIGN CONCEPT AND IS PROVIDED TO ASSIST IN CODE REVIEW AND CONTRACTOR COORDINATION. MUCH OF THE INFORMATION CONTAINED WITHIN THIS DRAWING IS DIAGRAMMATIC IN NATURE AND CONSISTS OF WORK THAT WILL BE CONTAINED IN THE NEXT PHASE OF THE PROJECT.

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ALASKA NATIVE HERITAGE CENTER
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 UNDERFLOOR PLUMBING AND HEATING PLANS

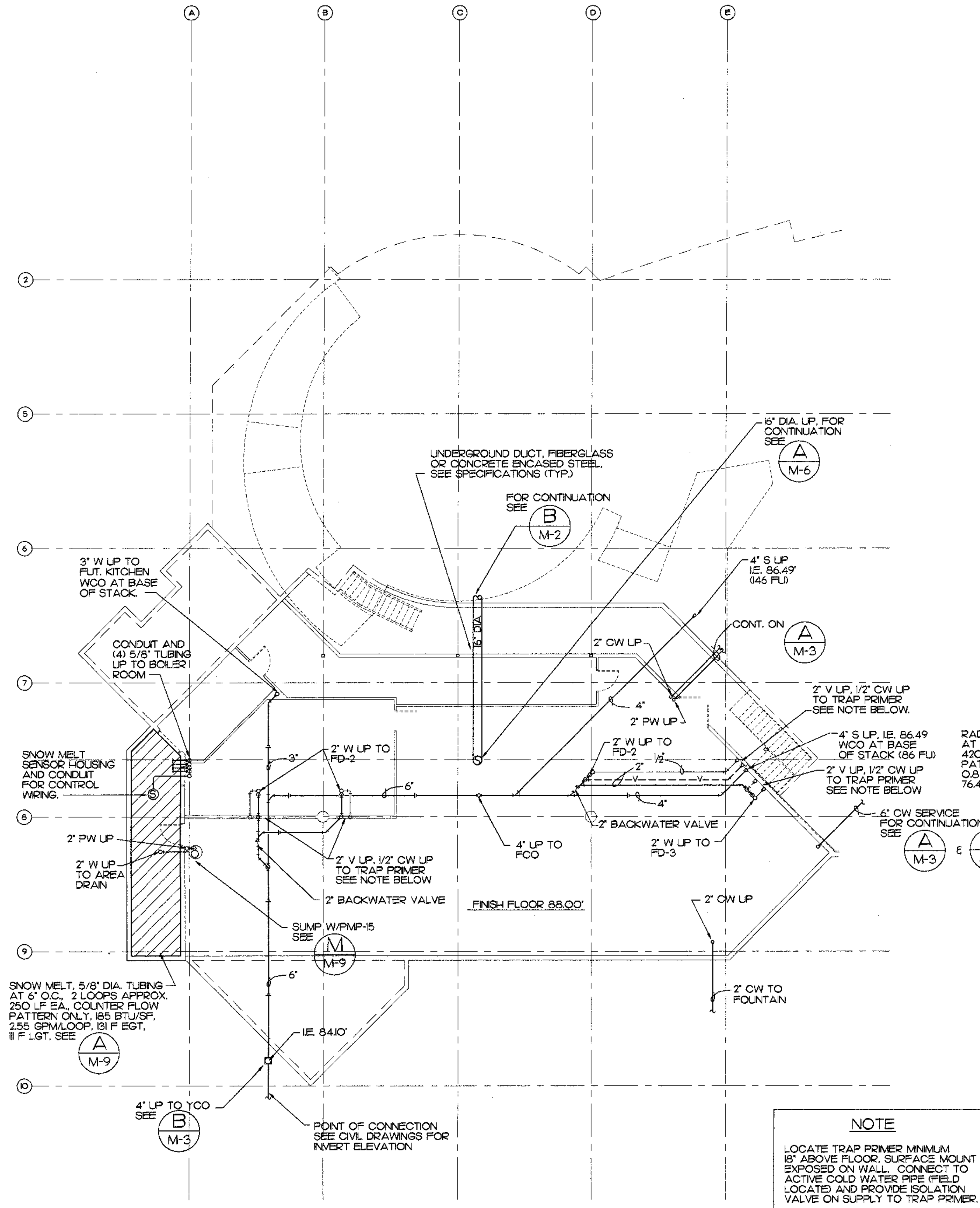
Revisions

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Date: 4/17/98
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 Checked: BSS/ATR
 Job No.: 95023

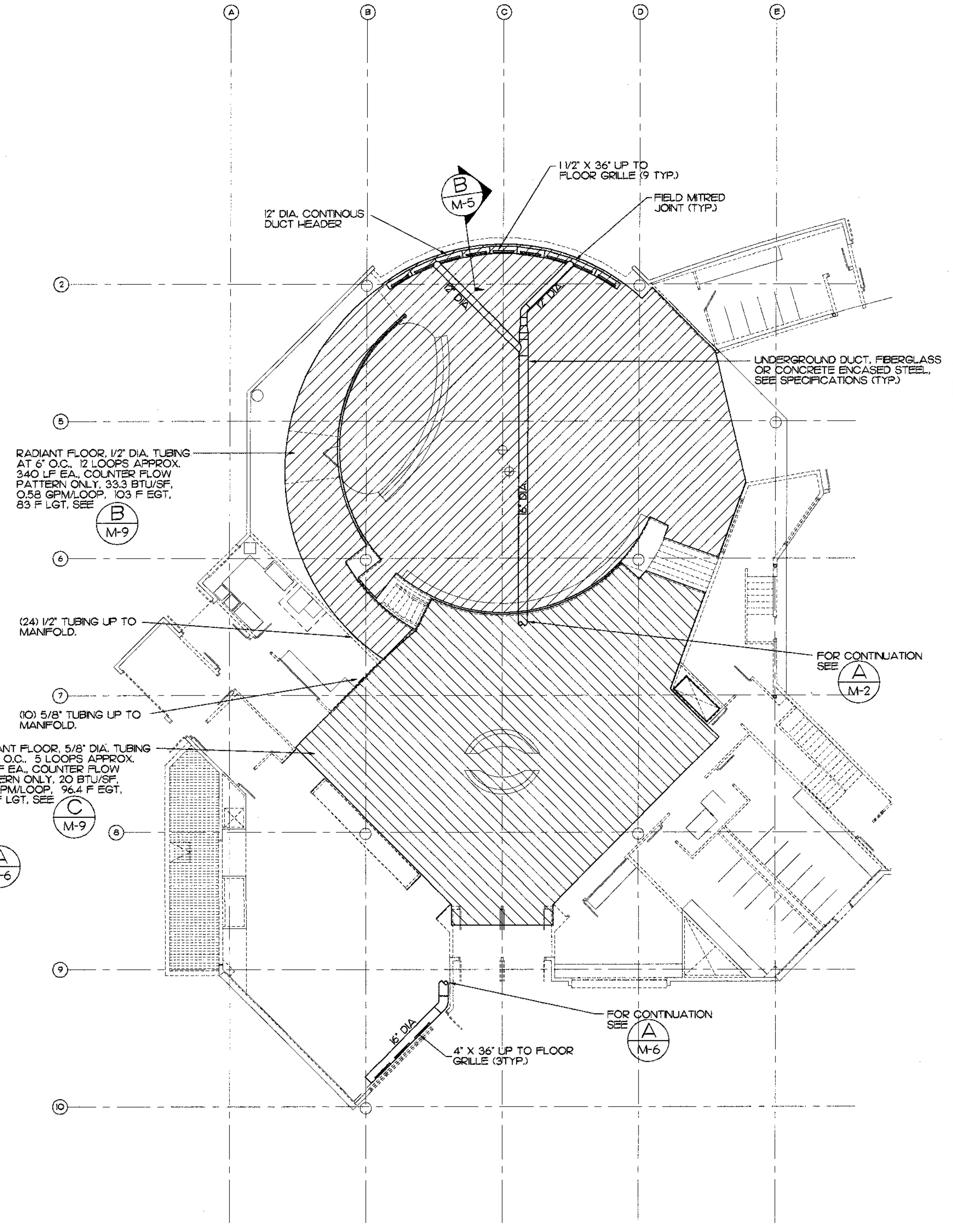
Sheet No.

M-2
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NOTE
 LOCATE TRAP PRIMER MINIMUM 18" ABOVE FLOOR. SURFACE MOUNT EXPOSED ON WALL. CONNECT TO ACTIVE COLD WATER PIPE FIELD (LOCATE) AND PROVIDE ISOLATION VALVE ON SUPPLY TO TRAP PRIMER.

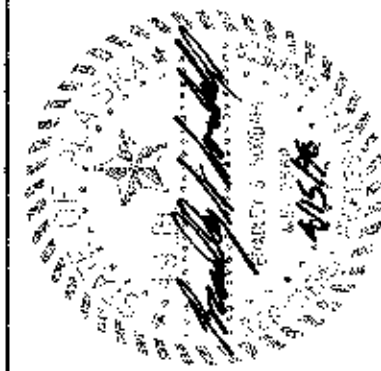
BASEMENT UNDERFLOOR PLUMBING AND HEATING PLAN
 GRAPHIC SCALE: 1/8" = 1'-0"



PARTIAL UNDERFLOOR HEATING PLAN
 GRAPHIC SCALE: 1/8" = 1'-0"

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

Plot Time: 09:53:16
 Plot Date: 04/15/98
 DWG Name: JON-5003_A2.dwg



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ALASKA NATIVE HERITAGE CENTER

ANCHORAGE, ALASKA

UNDERFLOOR PLUMBING PLAN

Revisions

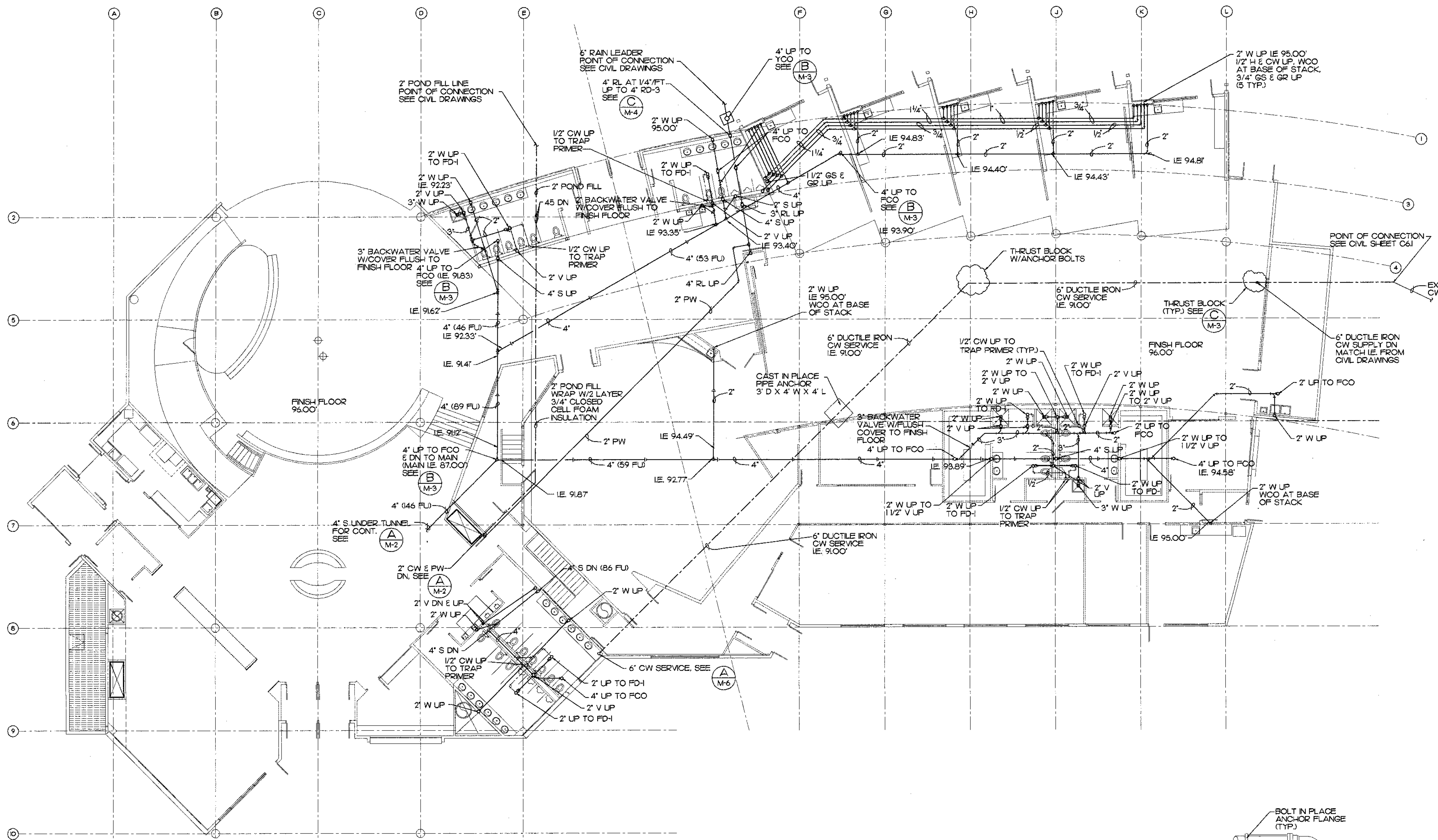
CONFORMED DRAWINGS

Date: 4/17/98
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Checked: BSS/ATR
Job No.: 95023

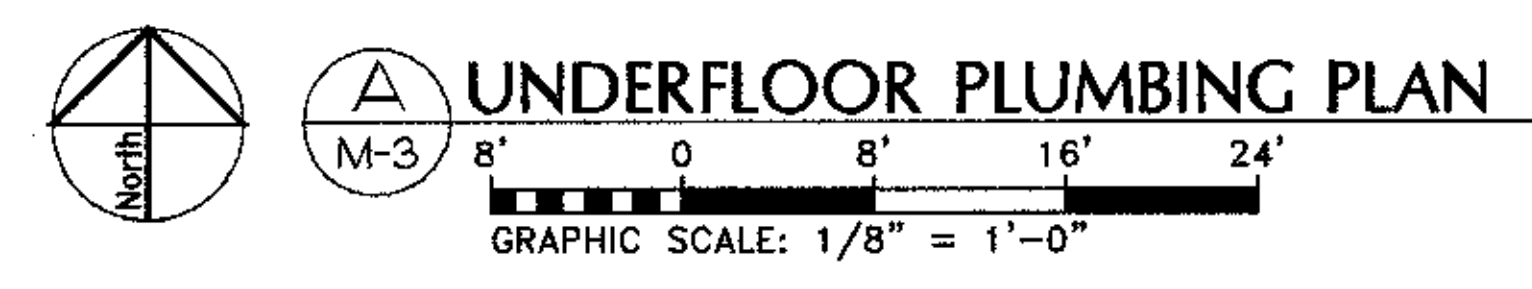
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M-3

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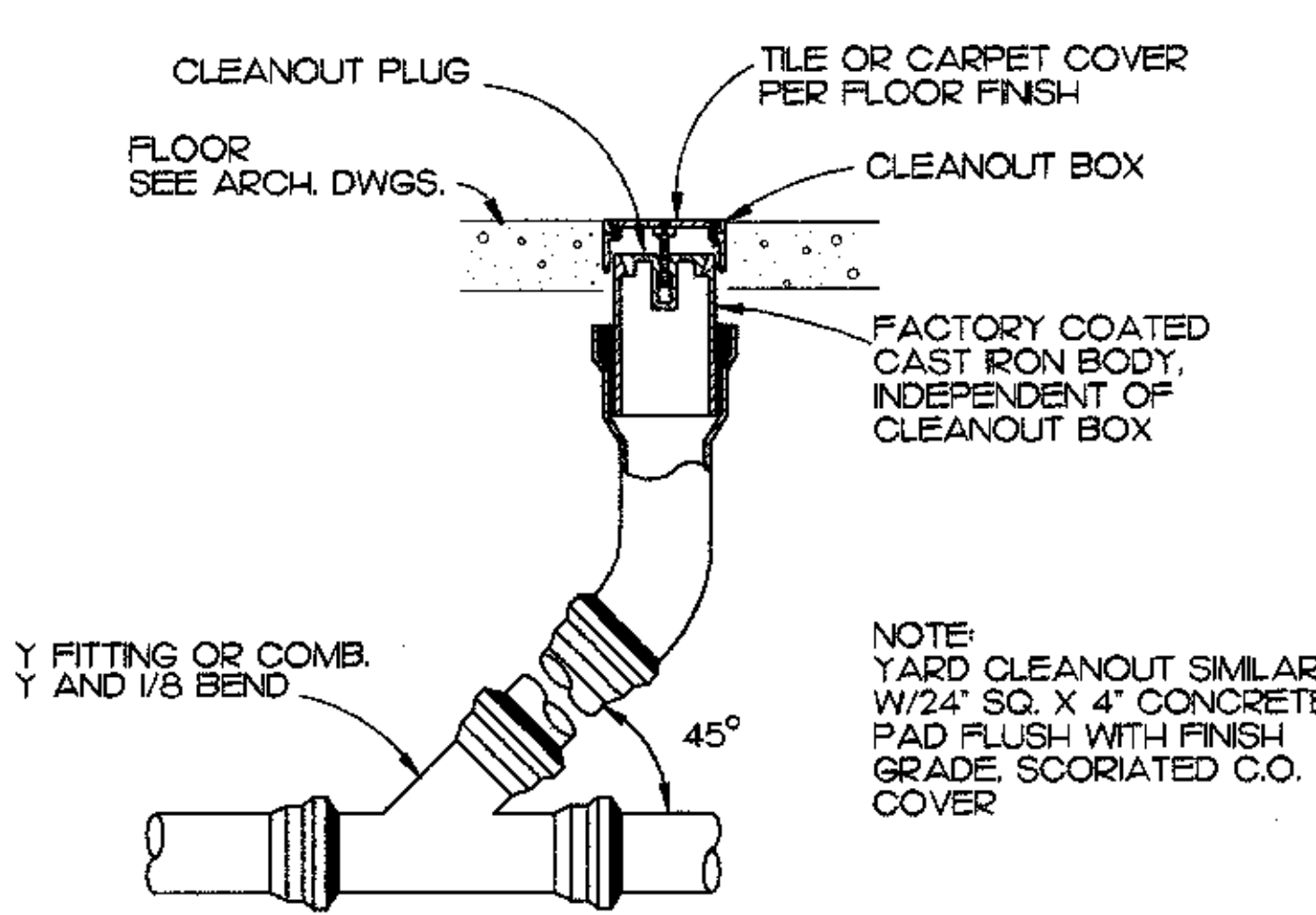


Plot Time: 09:53:55
Plot Date: 04/15/98
DWG Name: JON:5003_M3.dwg



UNDERFLOOR PLUMBING PLAN

GRAPHIC SCALE: 1/8" = 1'-0"



FLOOR CLEANOUT DETAIL

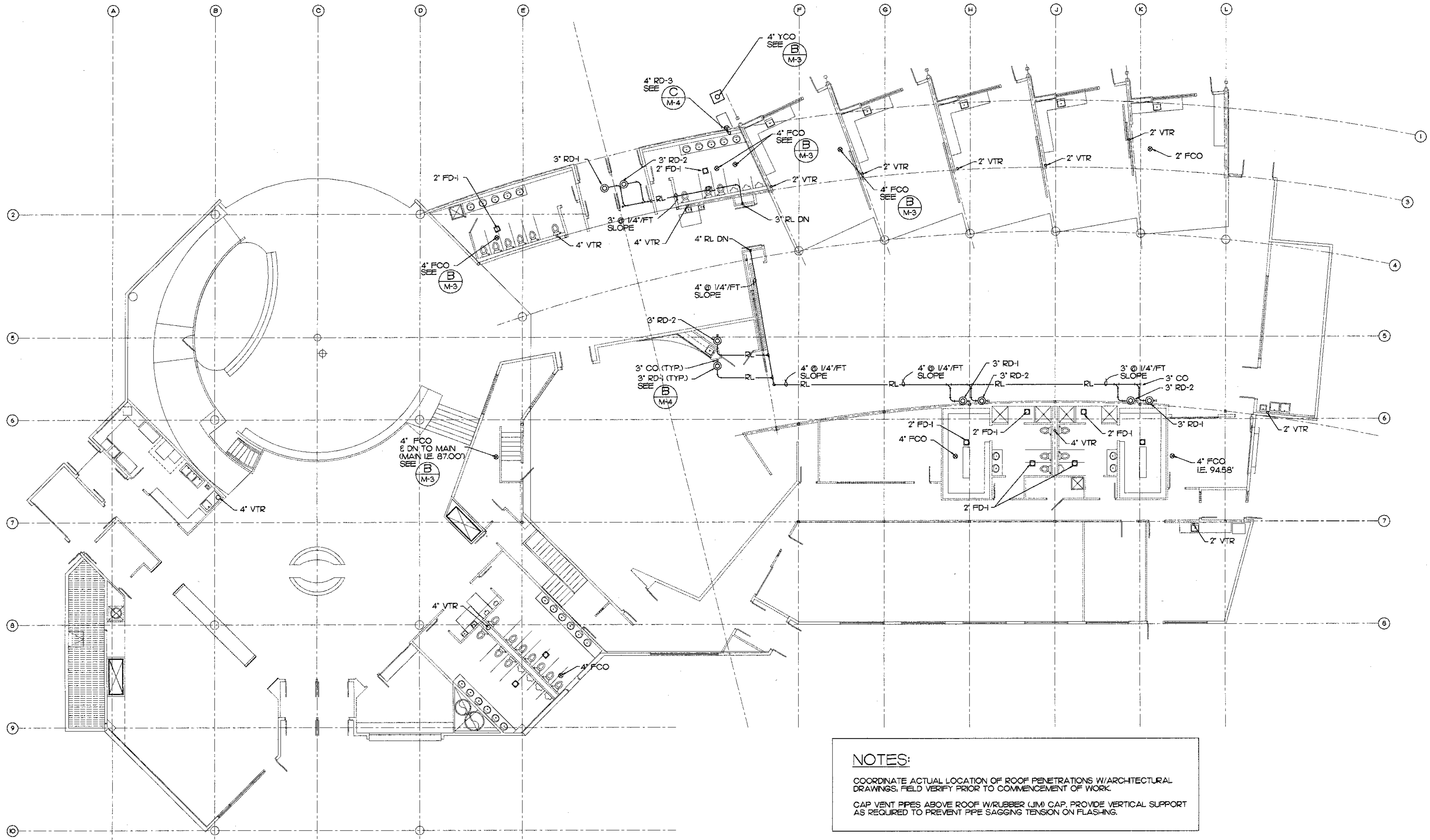
| PIPE SIZE | MIN. BASE AREA |
|-----------|----------------|
| 6" | 2.0 SQ. FT. |
| 8" | 2.5 SQ. FT. |
| 10" | 3.0 SQ. FT. |
| 12" | 3.5 SQ. FT. |



THRUST BLOCK DETAIL

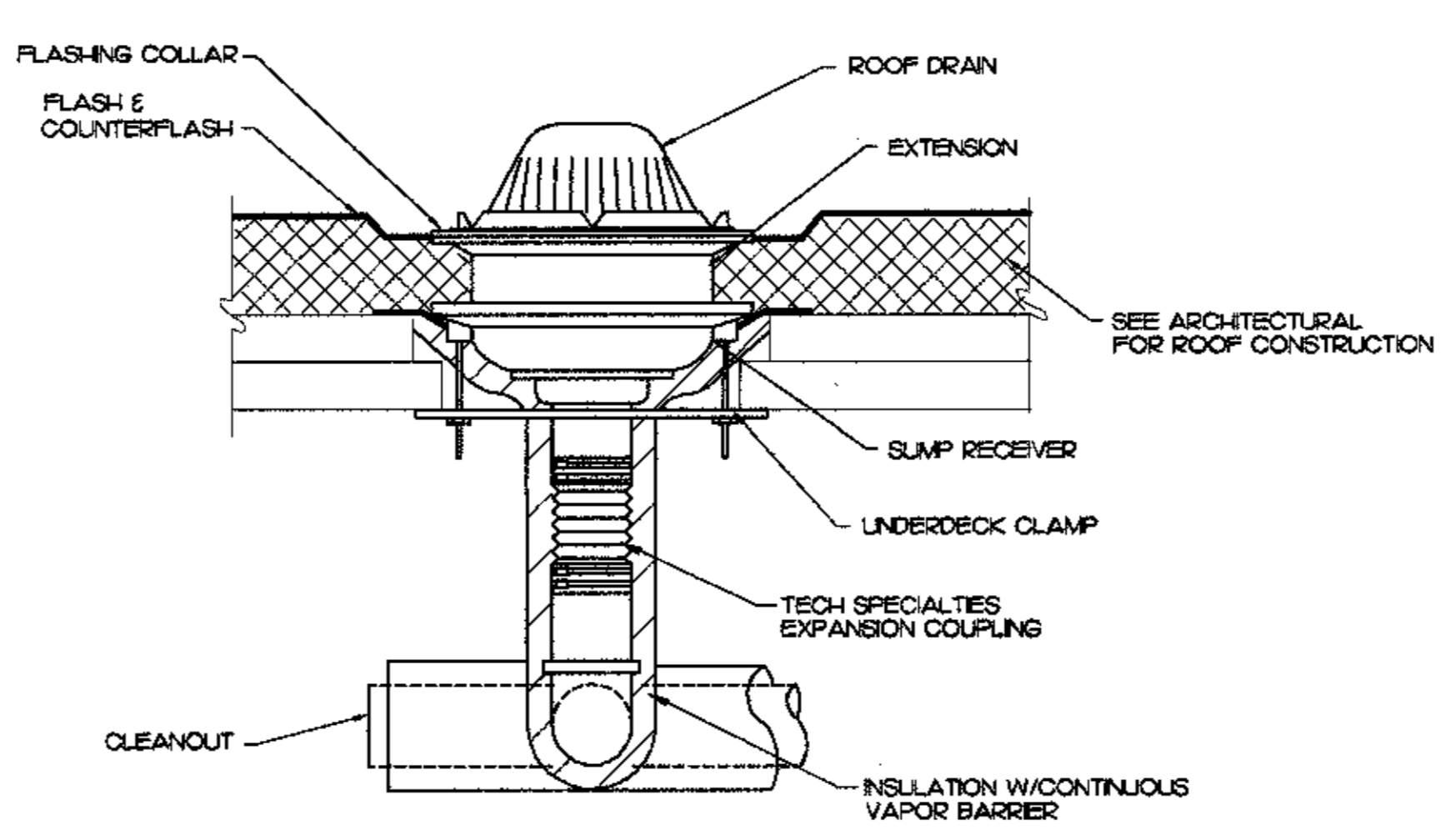
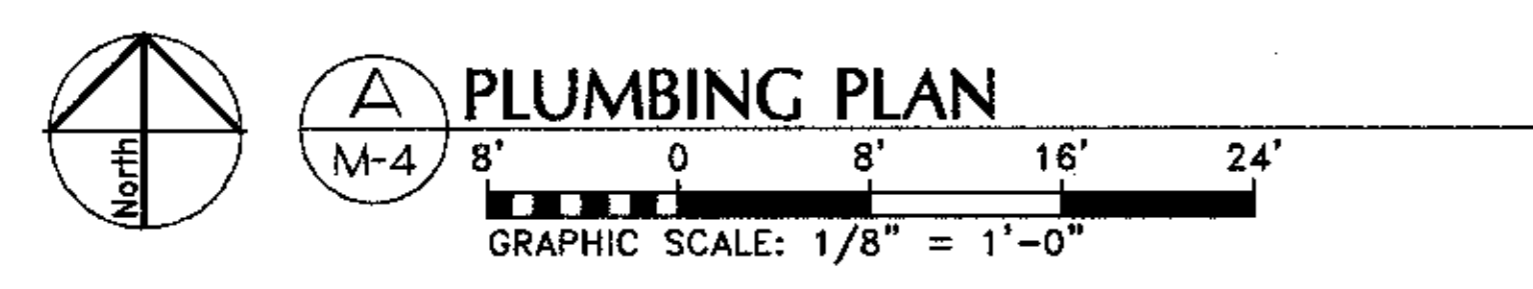
- NOTE
- ALL THRUST BLOCKS TO BE 2000 LB. CONCRETE. POURED IN PLACE
 - INSTALL THRUST BLOCKS AT ALL BENDS OR TEES.
 - APPLY MASTIC TO ALL THREADED RODS TO PREVENT CORROSION PER AWWU STANDARDS.

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

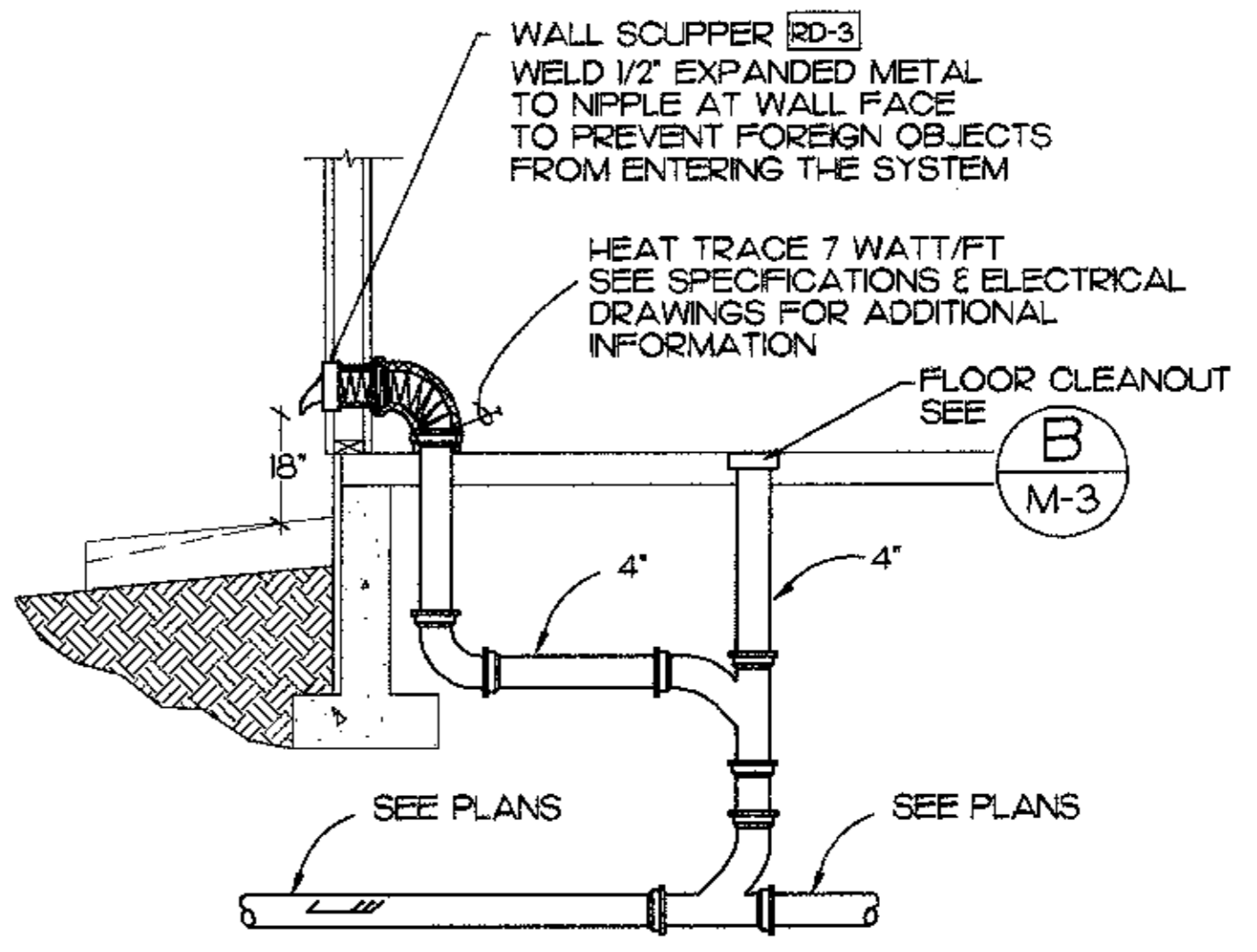


NOTES:
 COORDINATE ACTUAL LOCATION OF ROOF PENETRATIONS W/ARCHITECTURAL DRAWINGS. FIELD VERIFY PRIOR TO COMMENCEMENT OF WORK.
 CAP VENT PIPES ABOVE ROOF W/RUBBER (JM) CAP. PROVIDE VERTICAL SUPPORT AS REQUIRED TO PREVENT PIPE SAGGING TENSION ON FLASHING.

Plot Time: 13:40:24
 Plot Date: 04/15/98
 DWG Name: JON\5003_M4.dwg



B ROOF DRAIN DETAIL
 M-4 NO SCALE



C STORM DRAIN OVERFLOW
 M-4 NO SCALE

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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 PLUMBING PLAN

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M-4

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SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS



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ALASKA NATIVE HERITAGE CENTER
 ANHC
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 VENTILATION FLOOR PLAN

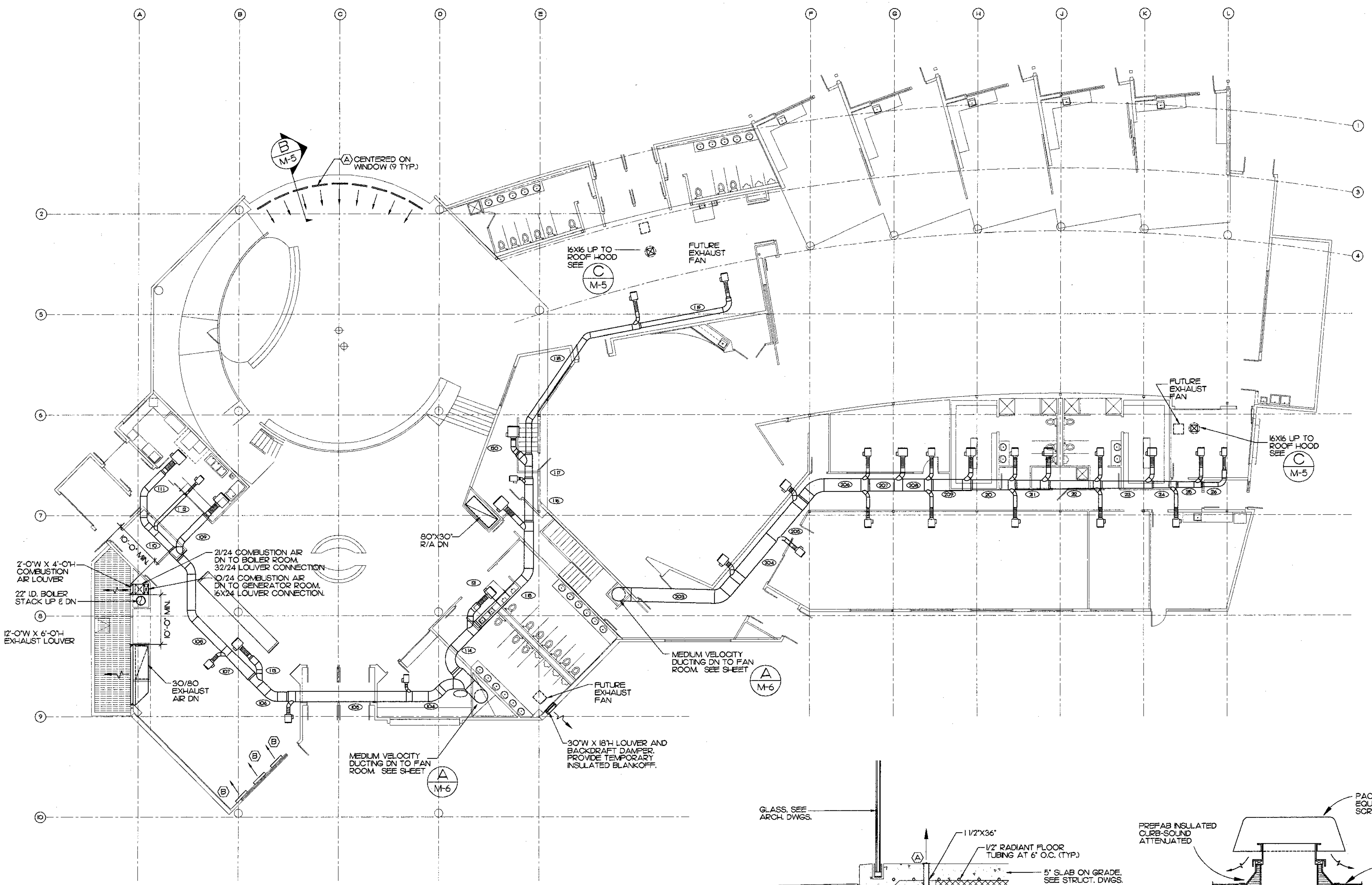
Revisions

CONFORMED DRAWINGS

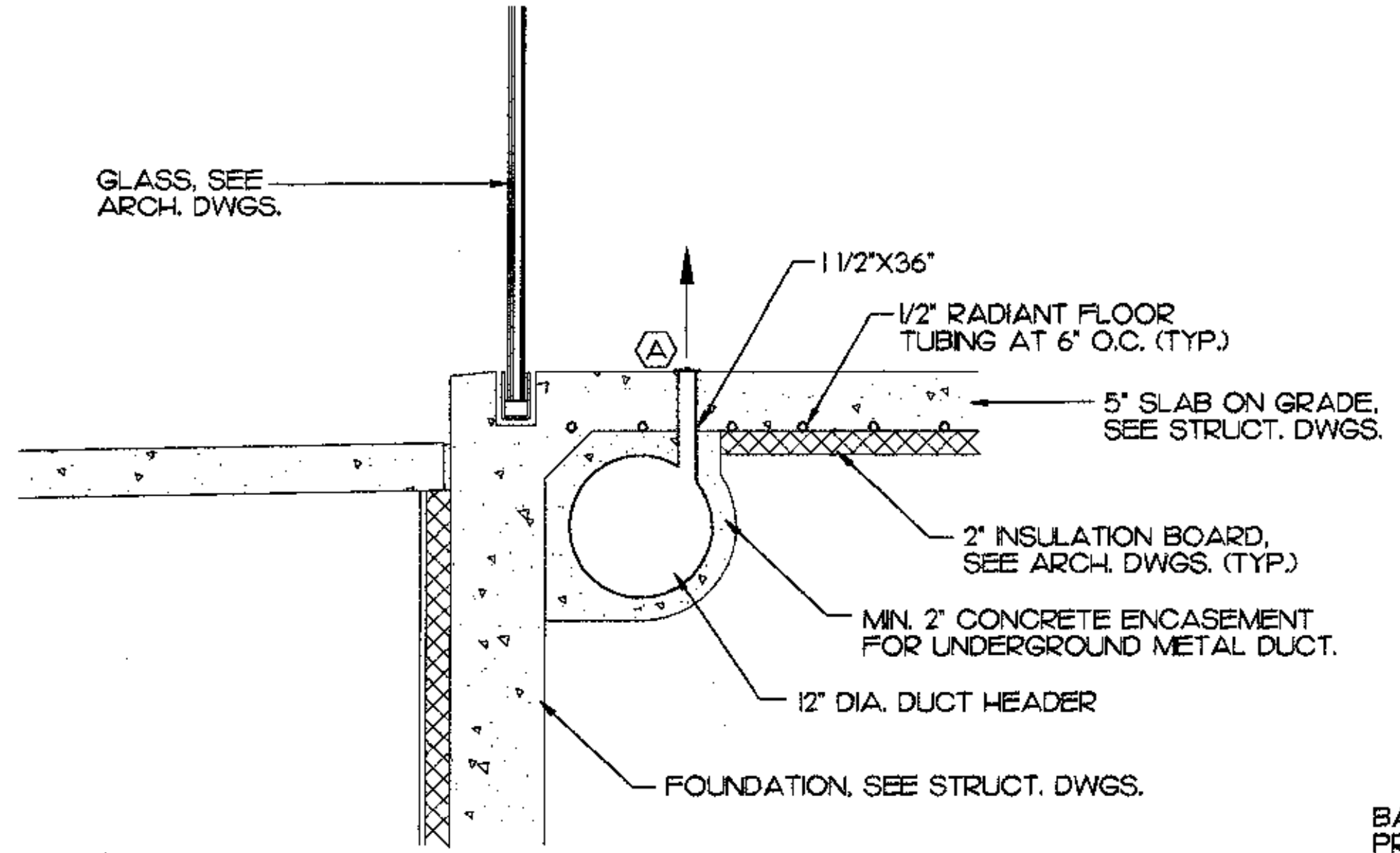
Date 04/17/98
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 Checked BSS/ATR
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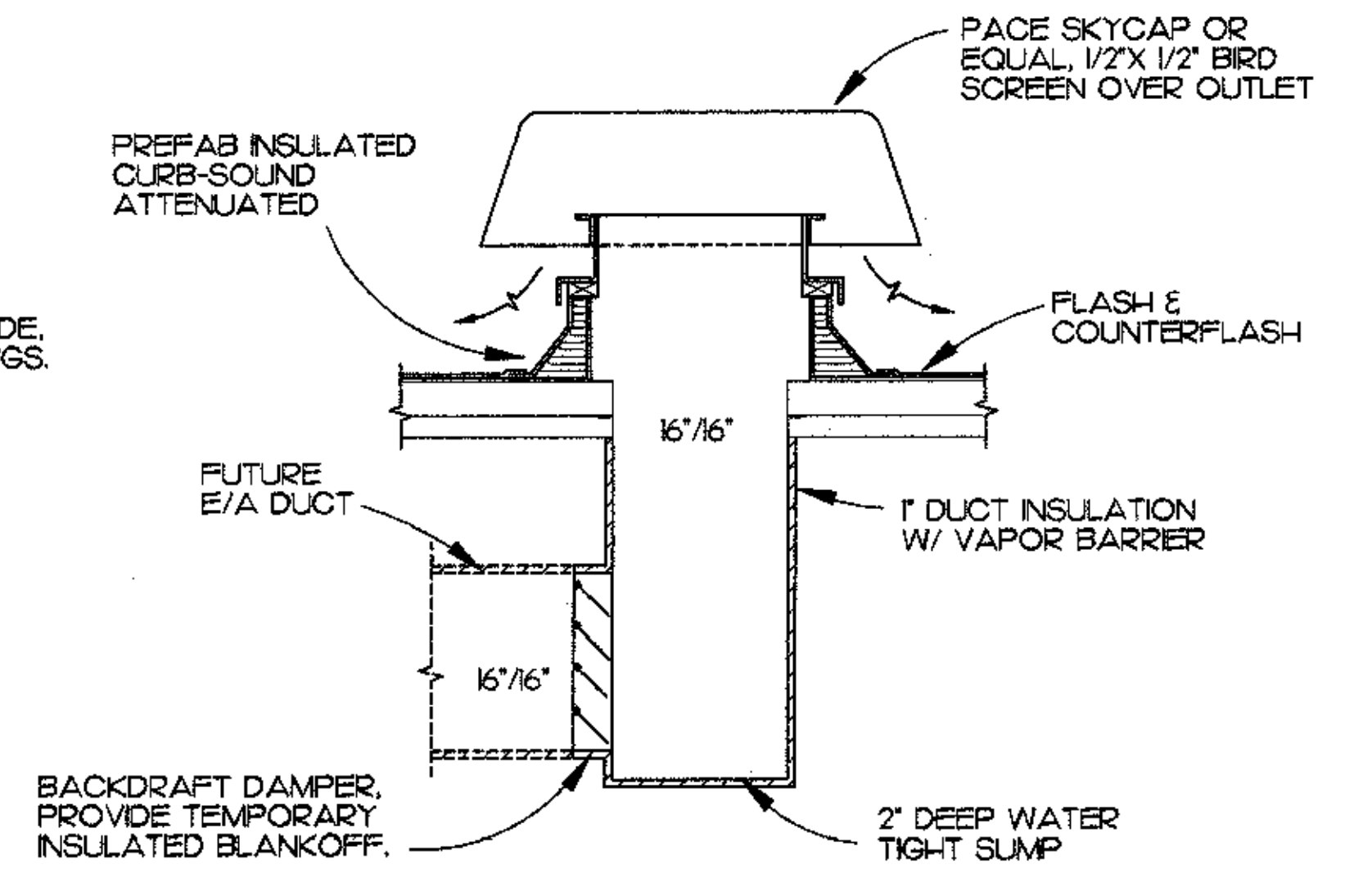
M-5
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VENTILATION FLOOR PLAN
 M-5
 GRAPHIC SCALE: 1/8" = 1'-0"



SECTION AT FLOOR GRILLE
 M-5 SCALE: 1" = 1'-0"



ROOF HOOD DETAIL
 M-5 NO SCALE

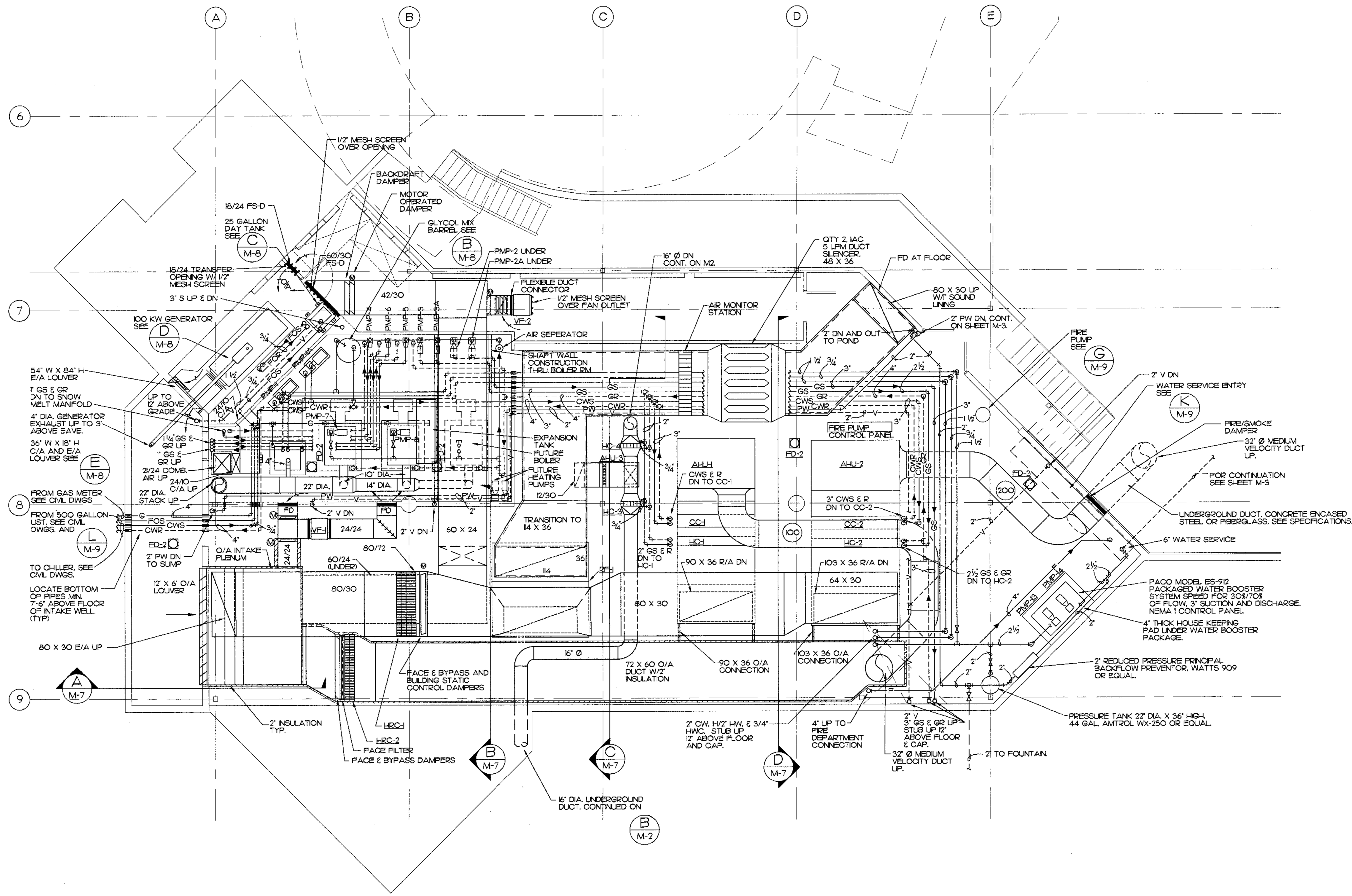
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

Plot Time: 11:24:12
 Plot Date: 04/15/98
 DWG Name: JASON:5003_M5.dwg



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FAN ROOM FLOOR PLAN
 M-6
 GRAPHIC SCALE: 1/4" = 1'-0"

ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 MECHANICAL ROOM PLAN

Revisions

CONFORMED DRAWINGS

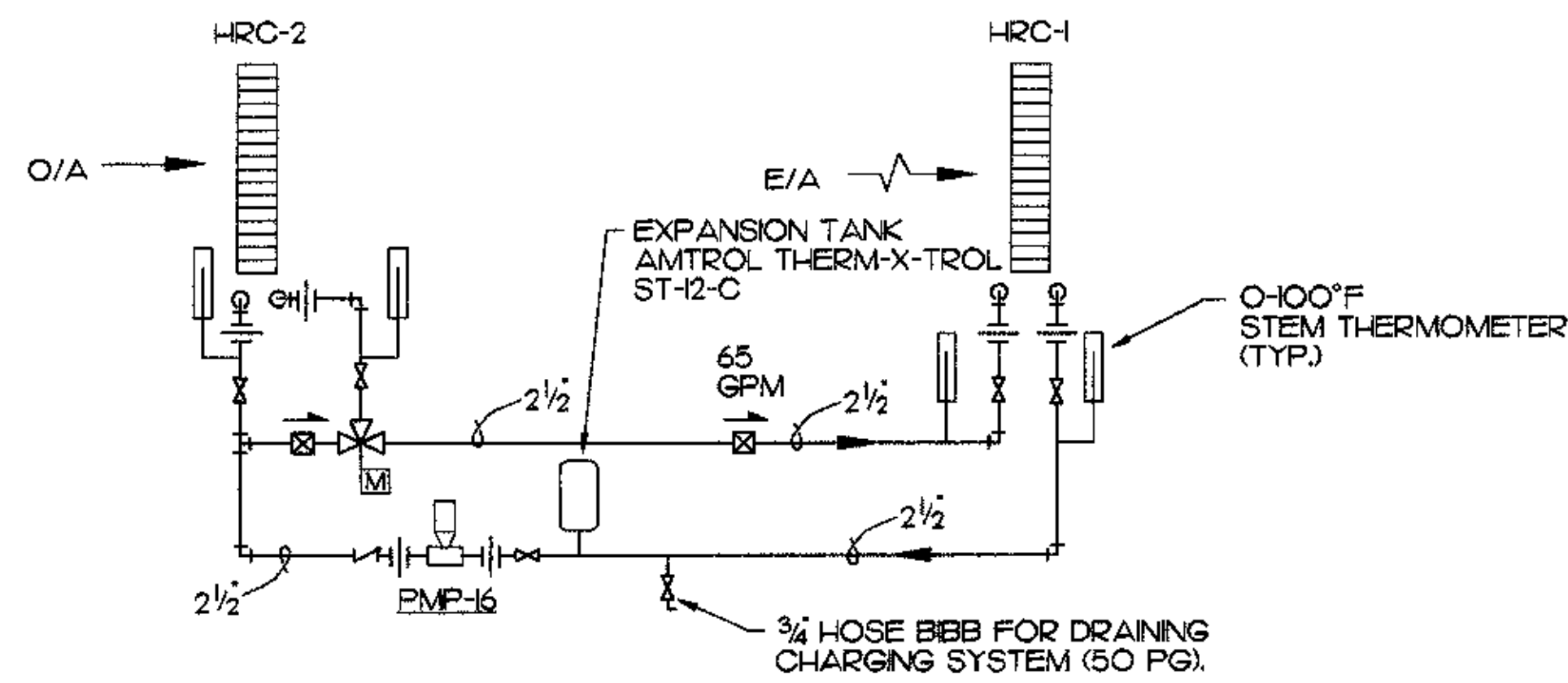
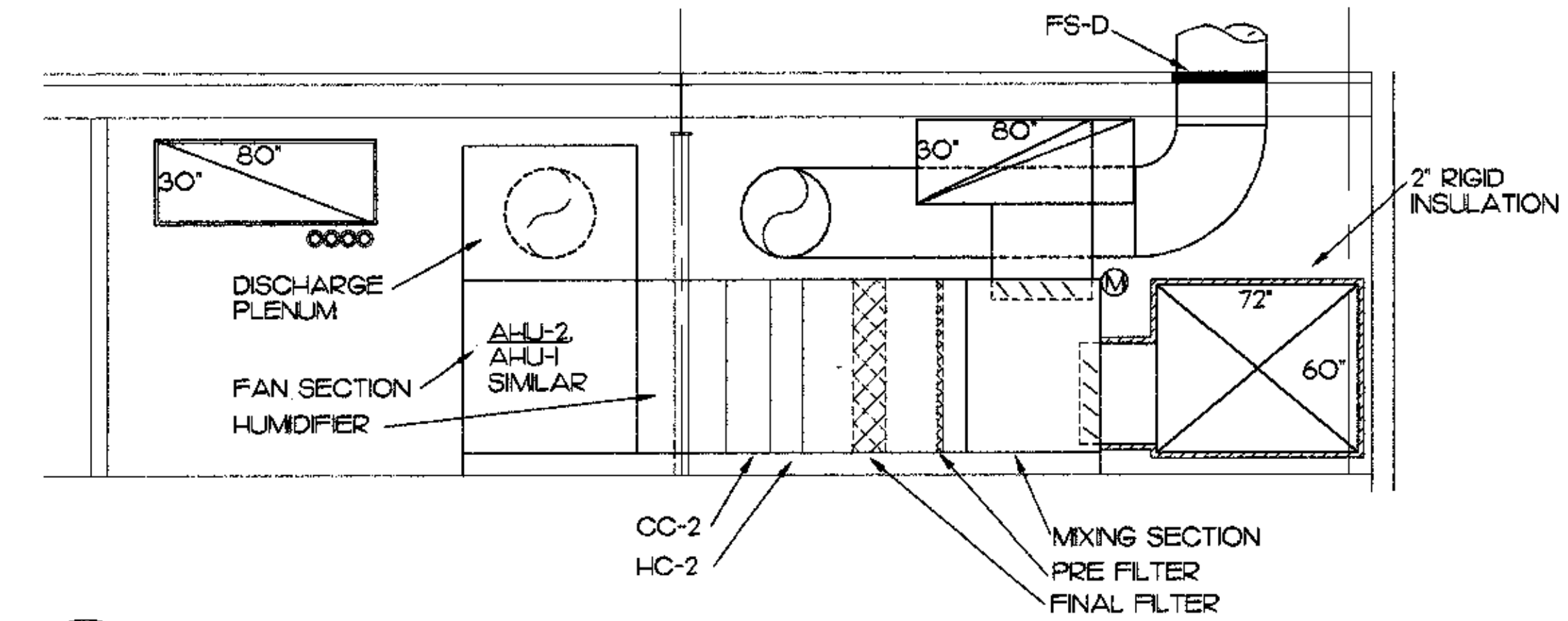
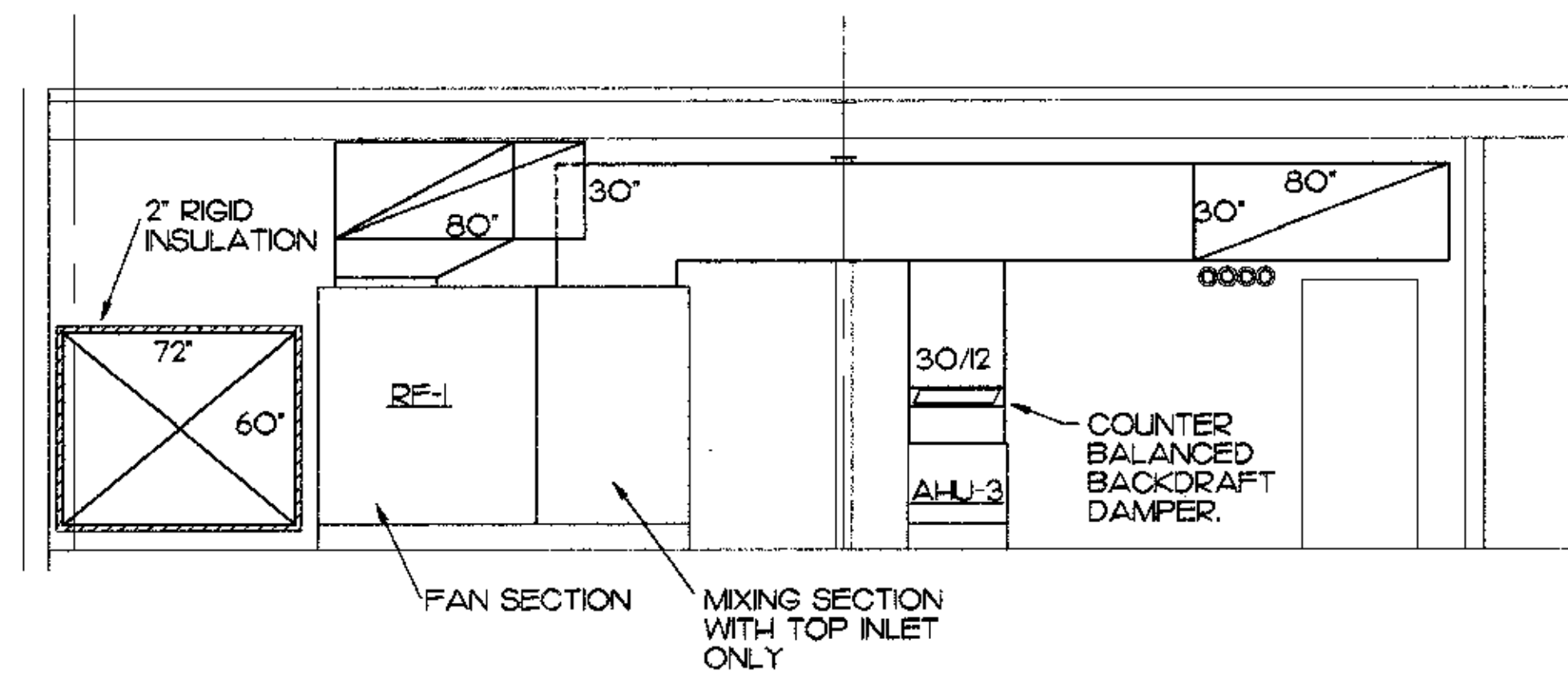
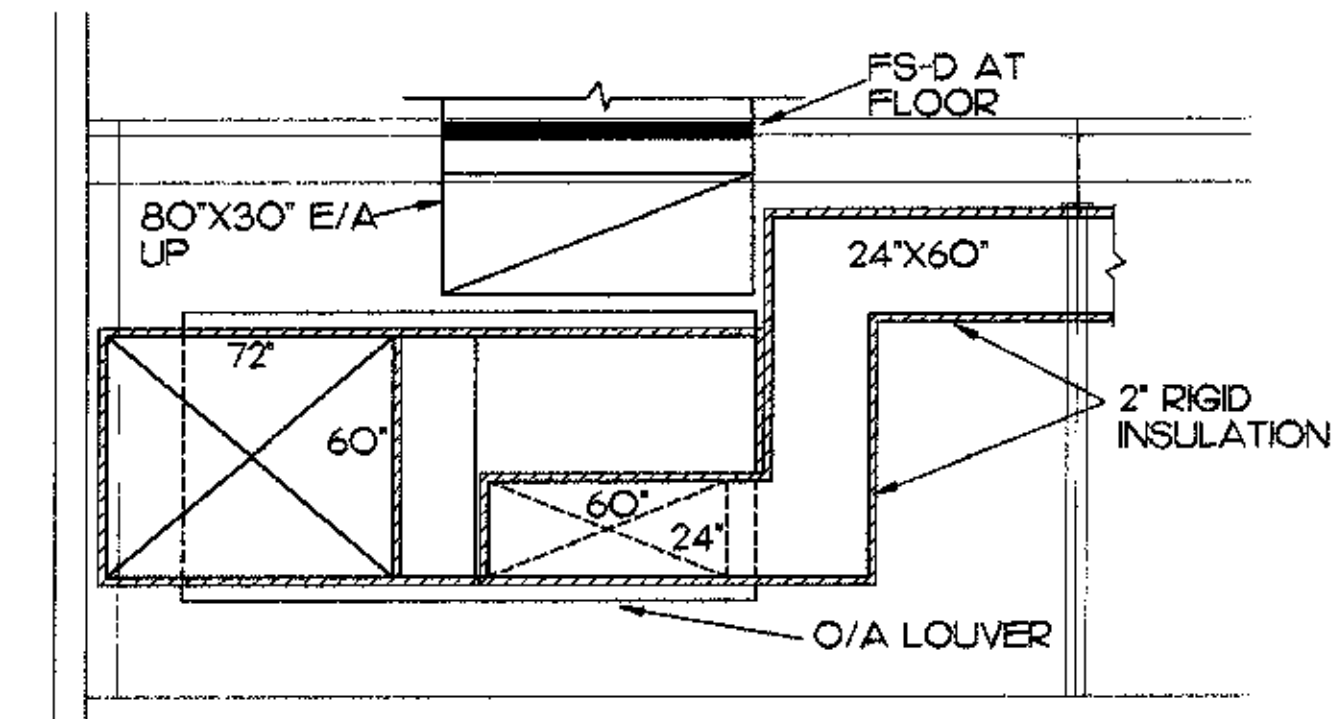
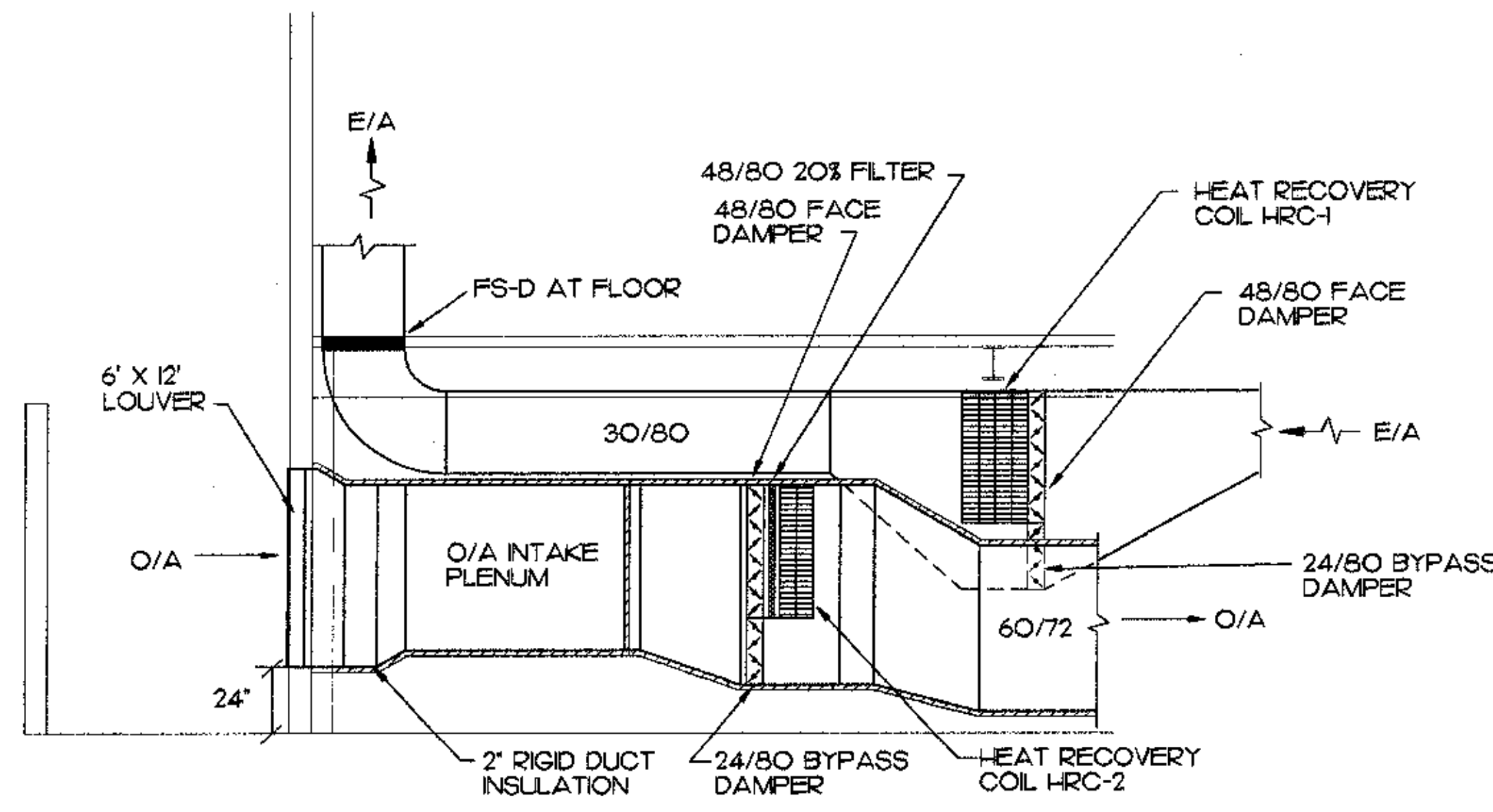
Date: 04/17/98
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 Checked: BSS/ATR
 Job No.: 95023
 Sheet No.:

M-6

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SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

Plot Time: 11:26:23
 Plot Date: 04/15/98
 DMC Name: JASON:5003_M6.dwg



MBA Consulting Engineers, Inc.
3812 Espenard Road, Suite 200 • Anchorage, AK 99517
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Phone 477-2587 • Fax 477-2719-0186
An Alaska Corporation

ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
MECHANICAL ROOM SECTIONS AND DETAIL

Revisions

CONFORMED DRAWINGS

Date 04/17/98
Drawn JBM
Checked CLL/BSS
Job No. 95023

Sheet No.
M-7
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SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

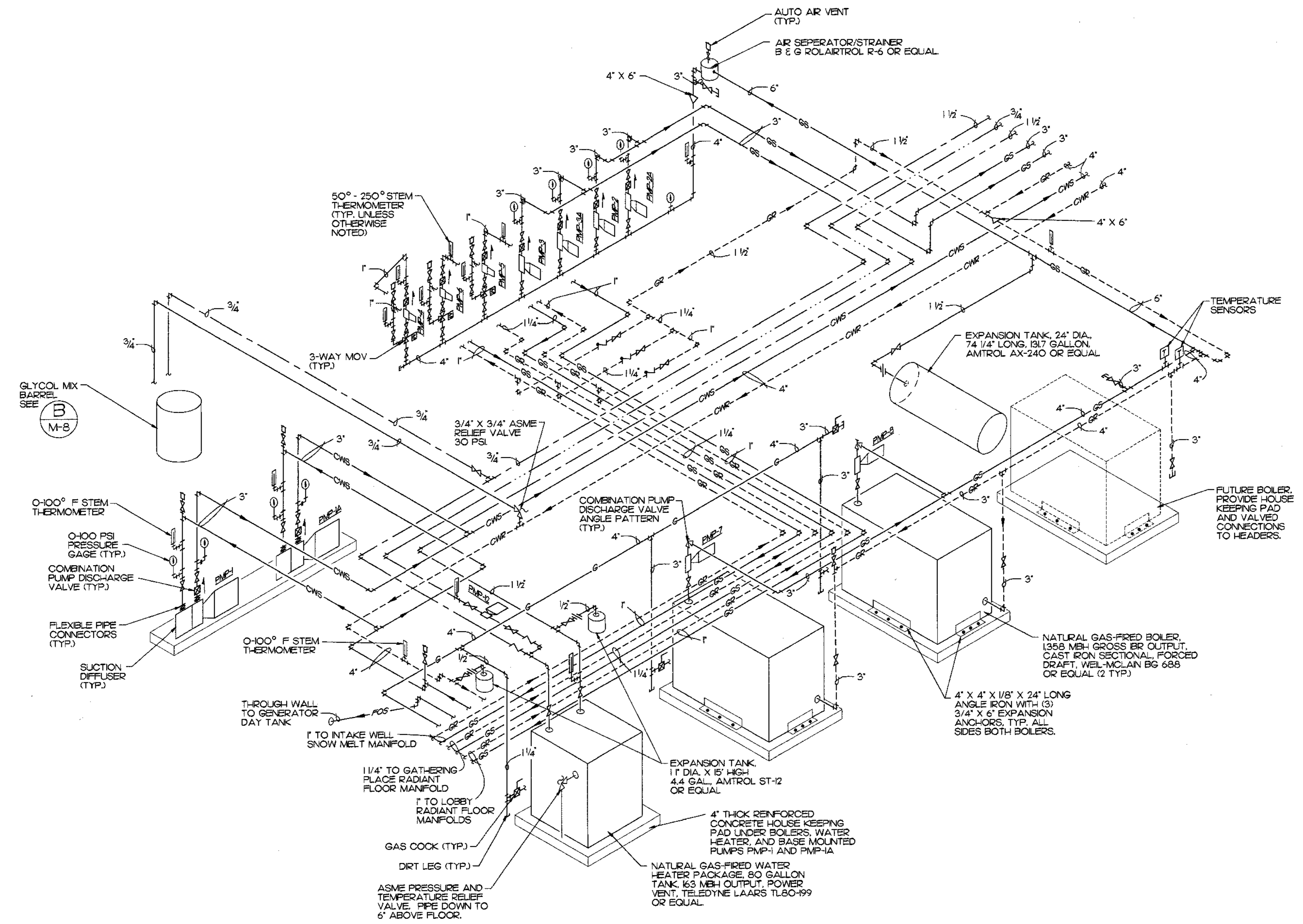
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Plot Date: 04/15/98
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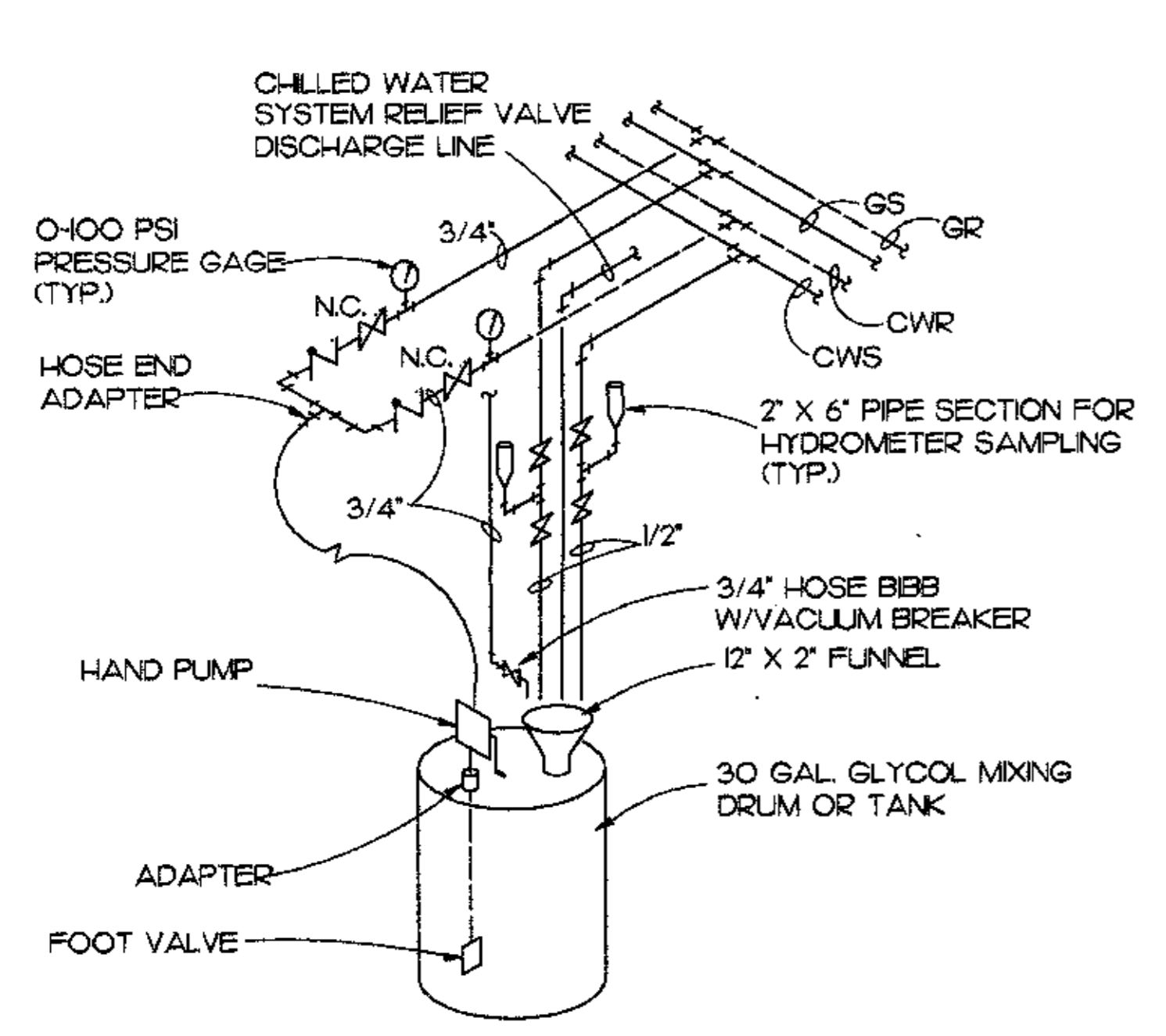
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

MBA Consulting Engineers, Inc.
3812 Spward Road, Suite 200 • Anchorage, AK 99517
(907) 274-0814 • FAX (907) 274-0814
E-MAIL: MBE@MBA.AK.US

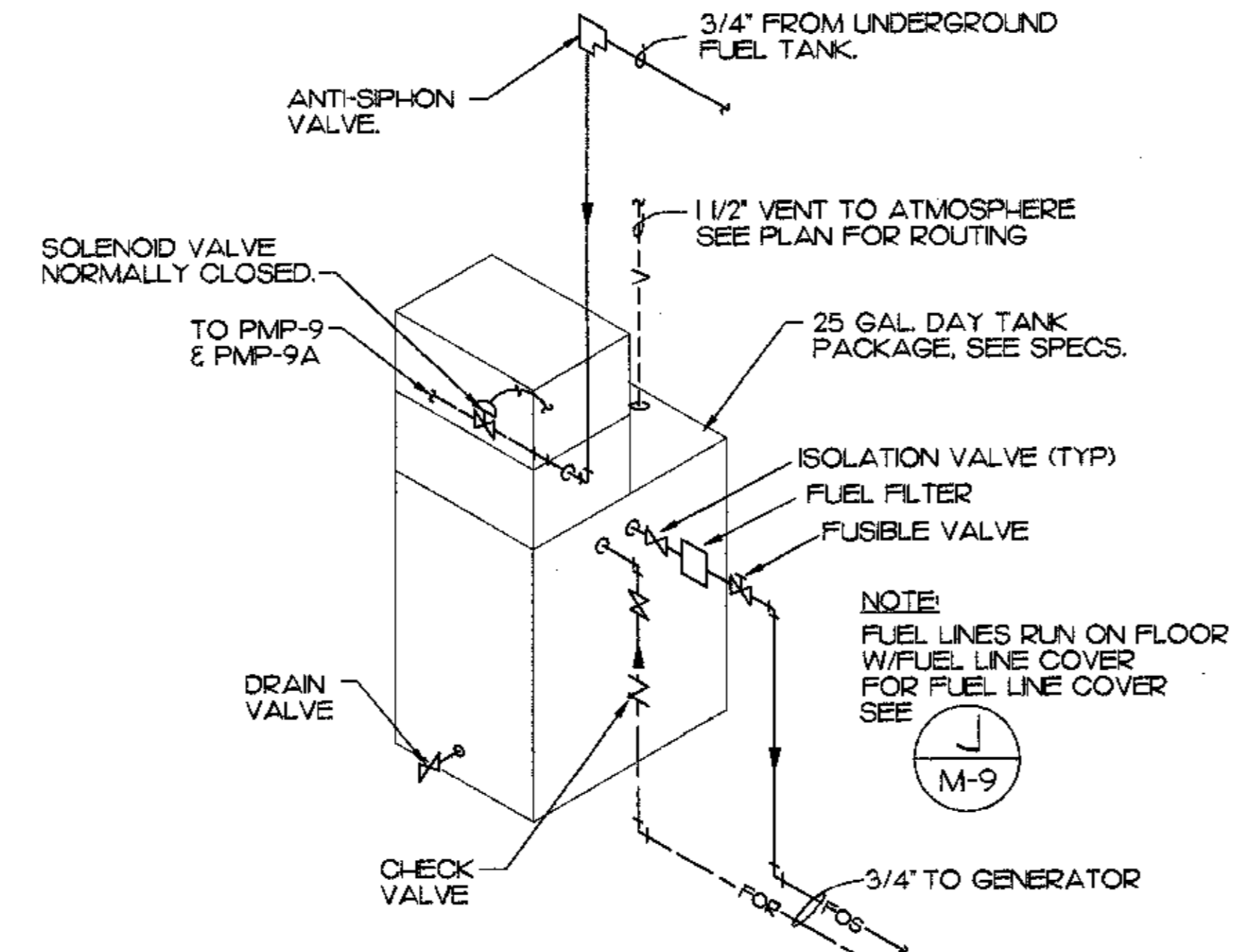
Cash Bamer Architects
909 W. 10th Avenue, Suite 500
Anchorage, Alaska 99501
Phone: (907) 258-7777 FAX: (907) 276-5186
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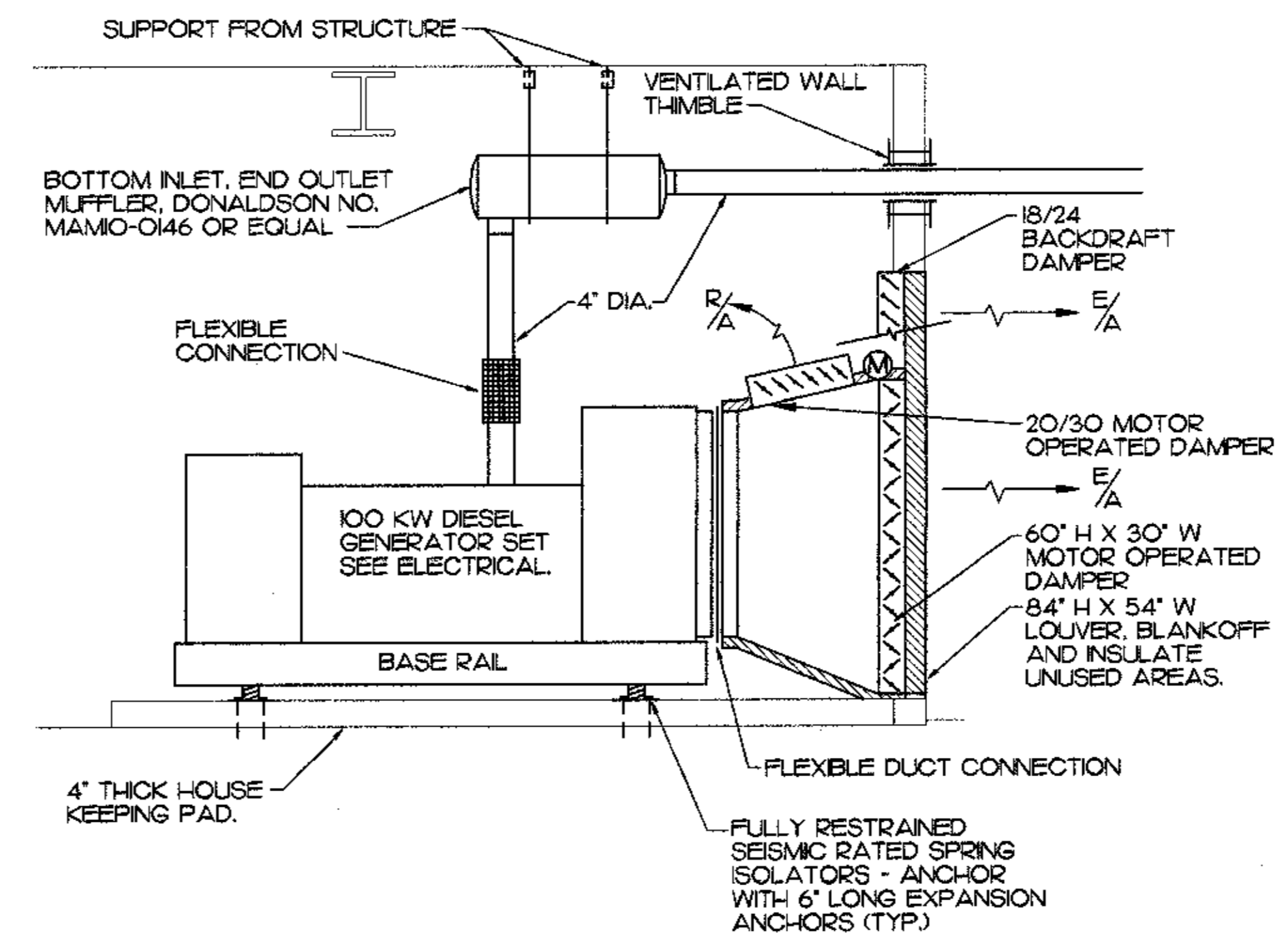
A BOILER ROOM PIPING ISOMETRIC
M-8 NO SCALE



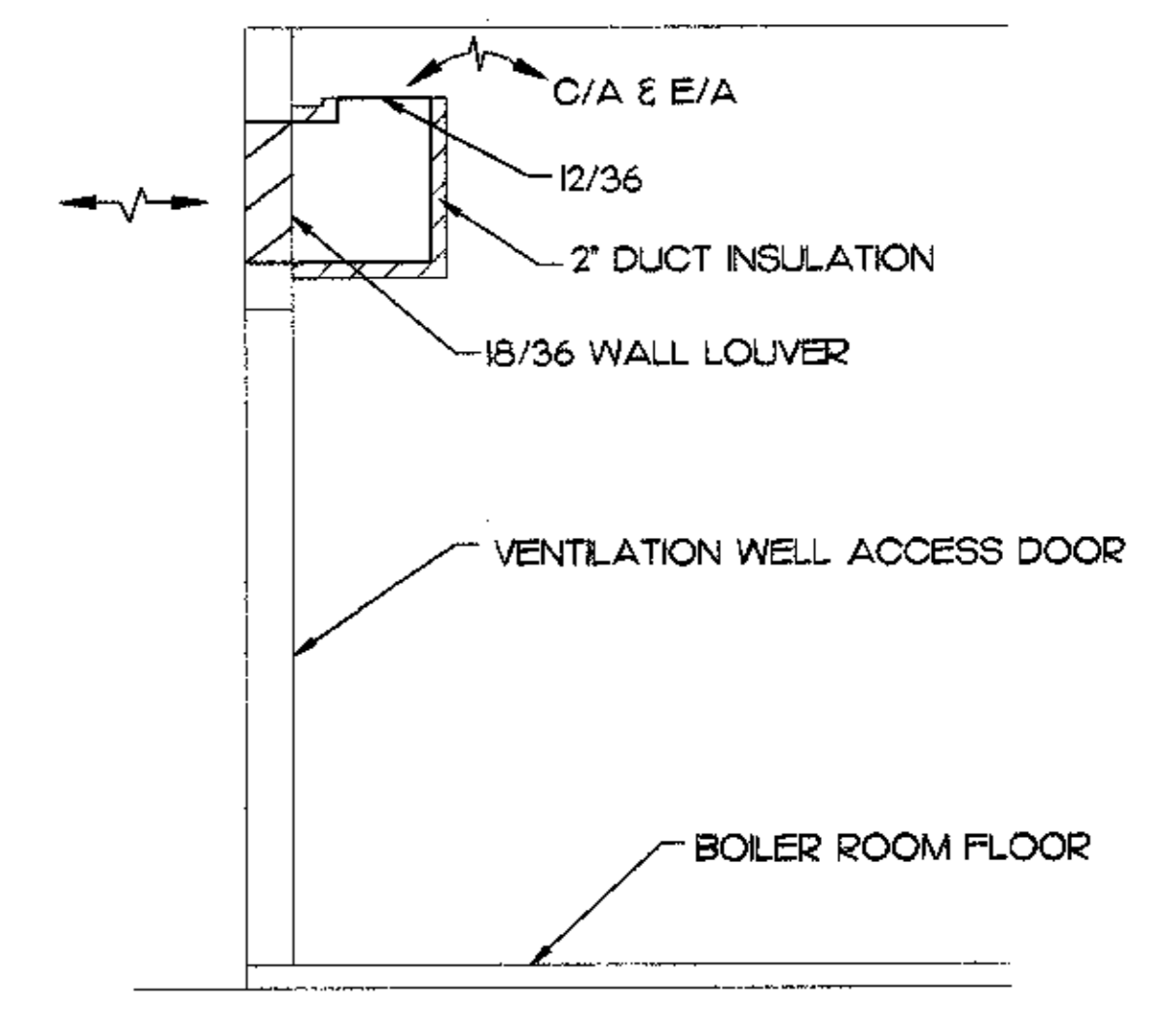
B GLYCOL MAKE-UP DETAIL
M-8 NO SCALE



C DAY TANK PIPING DETAIL
M-8 NO SCALE



D GENERATOR DETAIL
M-8 NO SCALE



E COMBUSTION AIR DETAIL
M-8 NO SCALE

Plot Time: 11:32:35
Plot Date: 04/15/98
DWG Name: JASON-5003_M8.dwg

ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
BOILER ROOM ISOMETRIC AND DETAILS

Revisions

CONFORMED DRAWINGS

Date: 04/17/98
Drawn: JLM
Checked: ATR/BSS
Job No.: 95023
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M-8

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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 DETAILS

Revisions

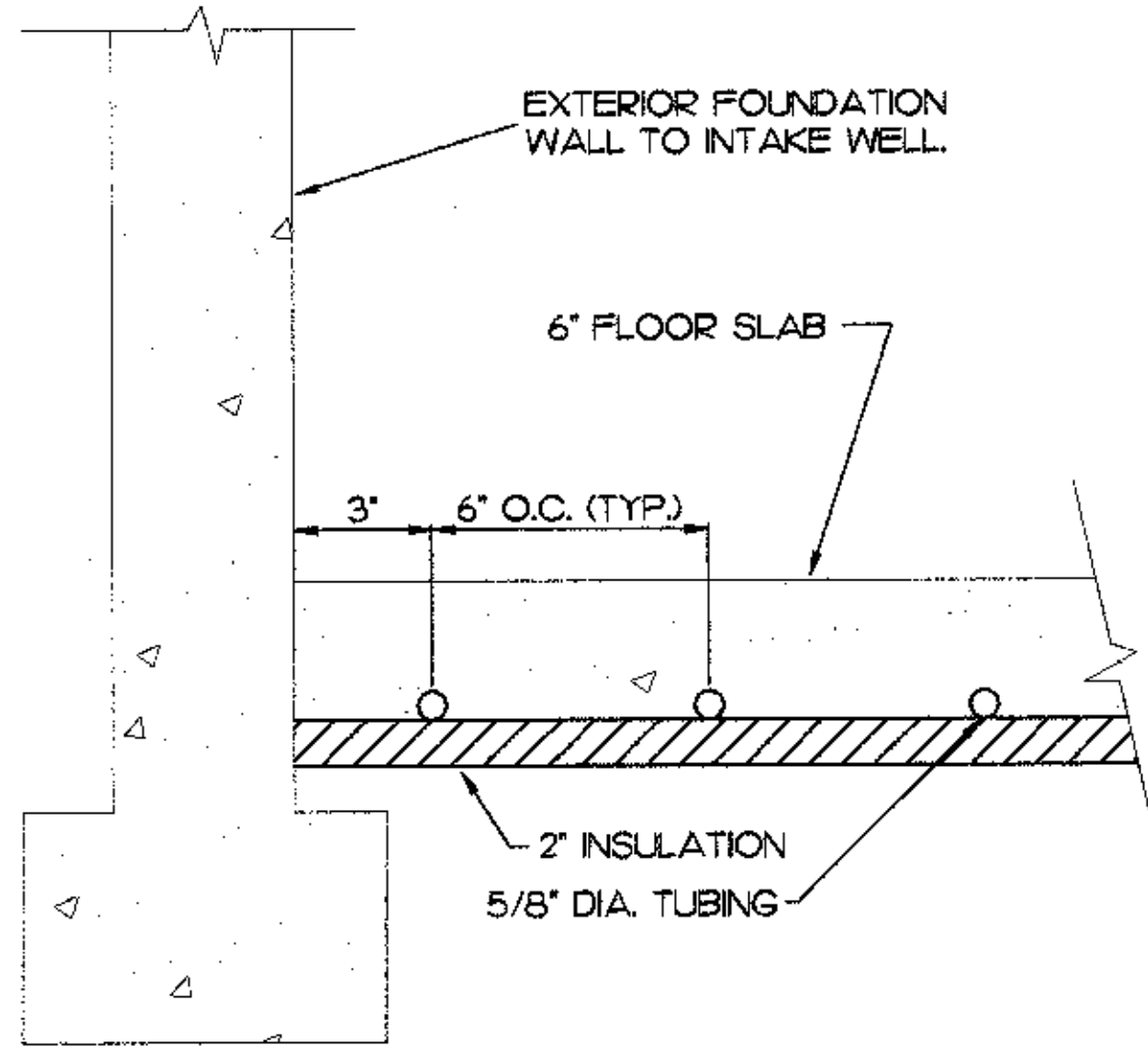
CONFORMED DRAWINGS

Date: 04/17/98
 Drawn: JBM
 Checked: BSS/ATR
 Job No.: 95023

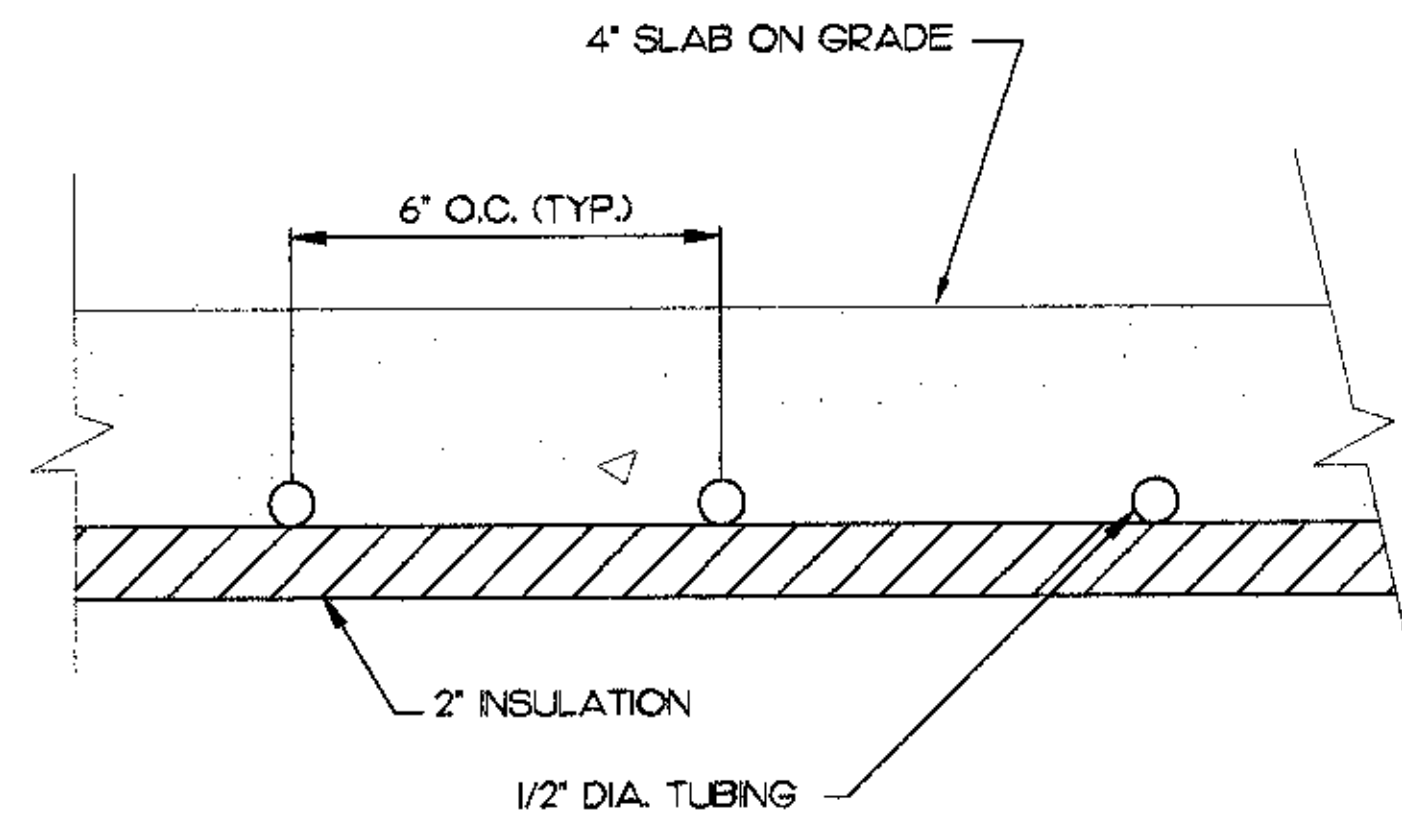
Sheet No.

M-9

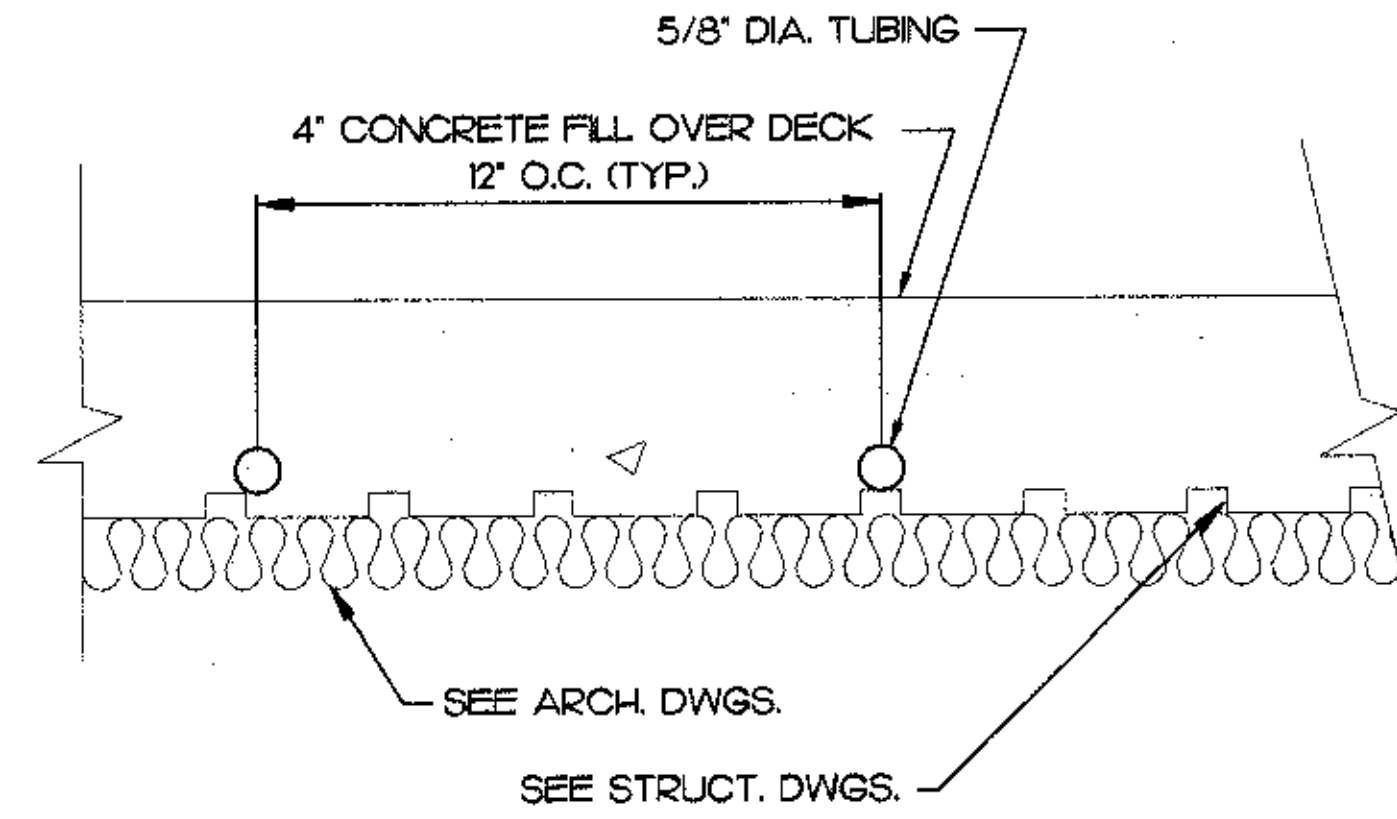
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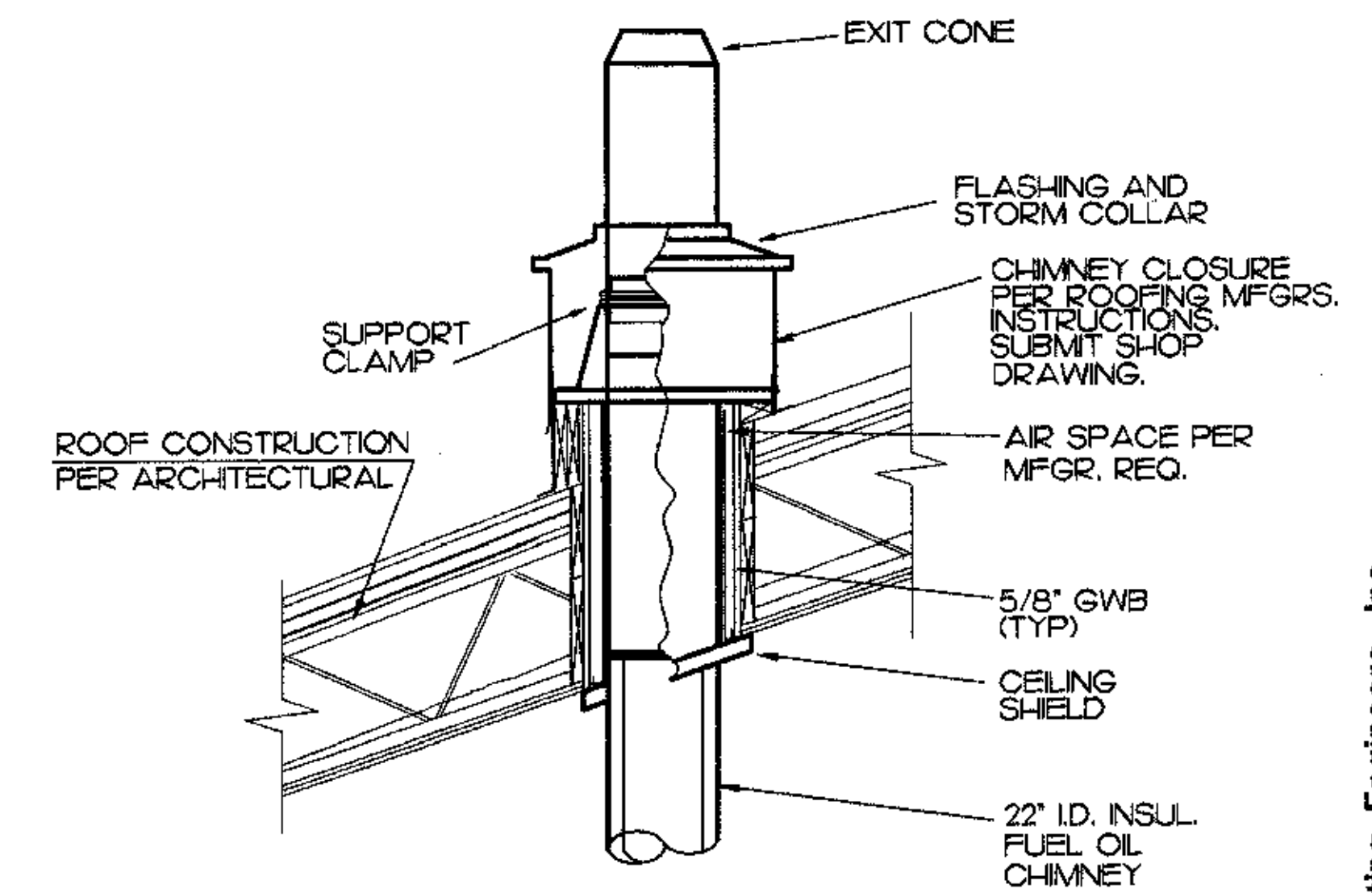
A SNOW MELT TUBING DETAIL
 M-9 NO SCALE



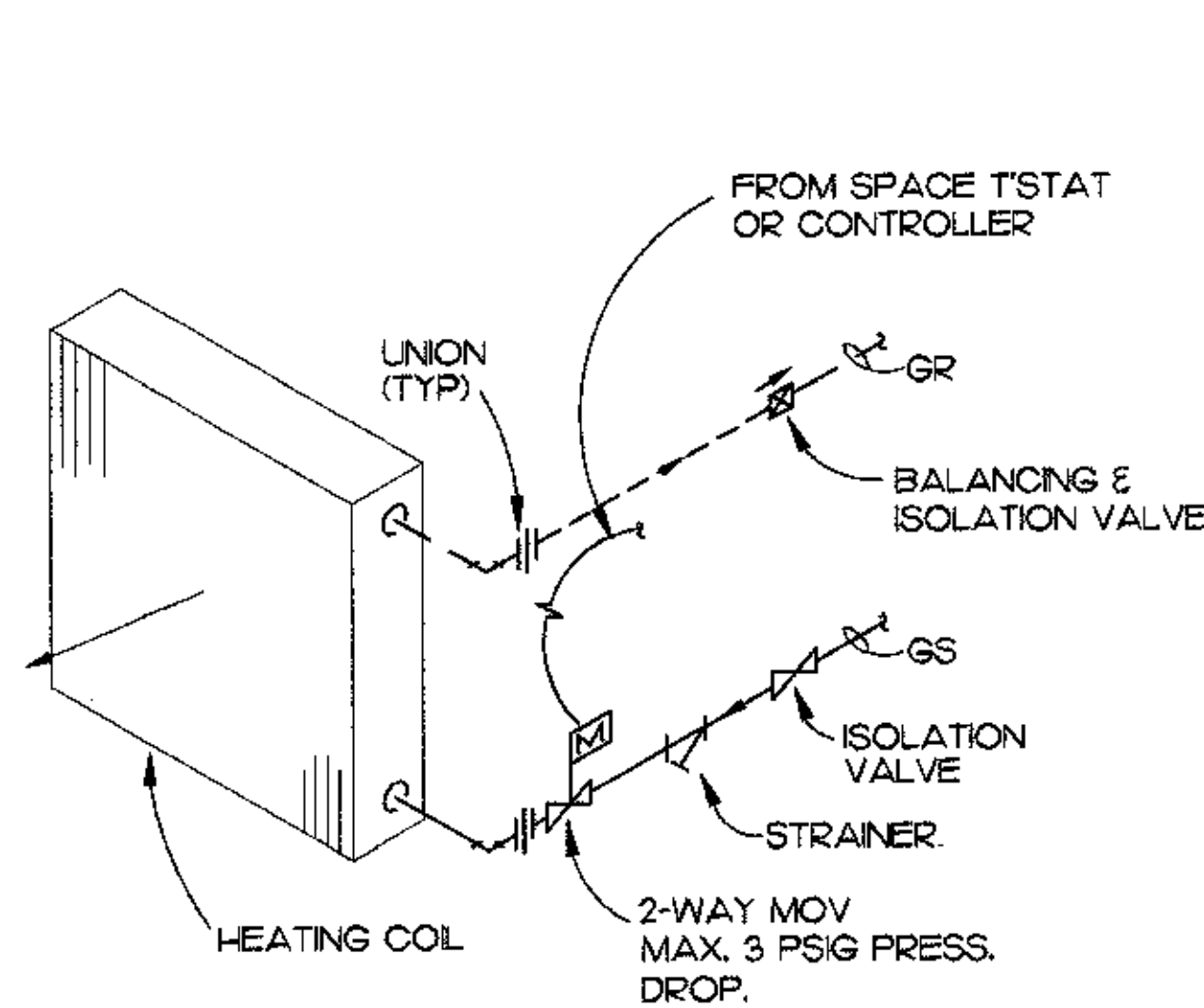
B RADIANT FLOOR DETAIL
 M-9 NO SCALE



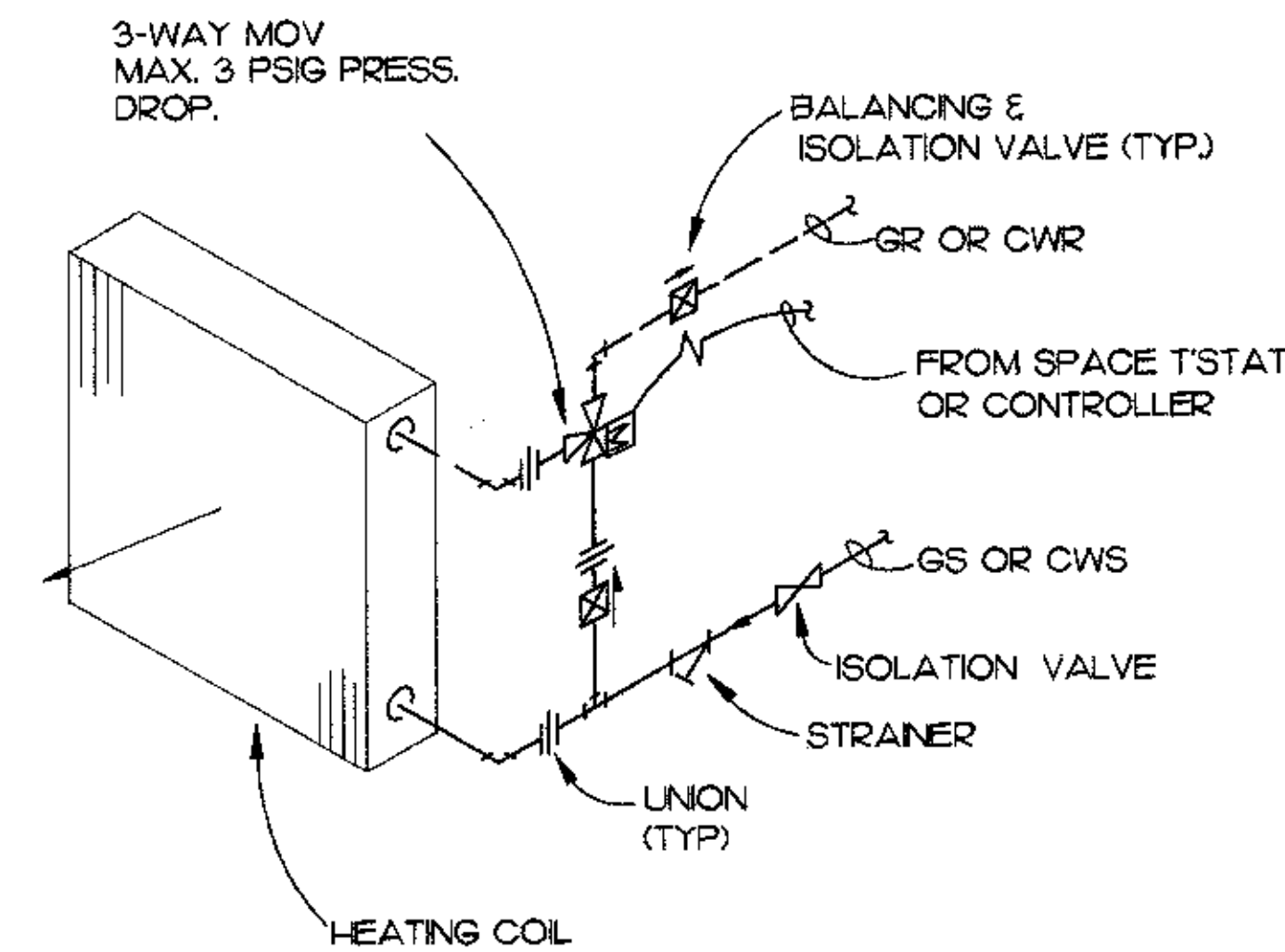
C RADIANT FLOOR DETAIL
 M-9 NO SCALE



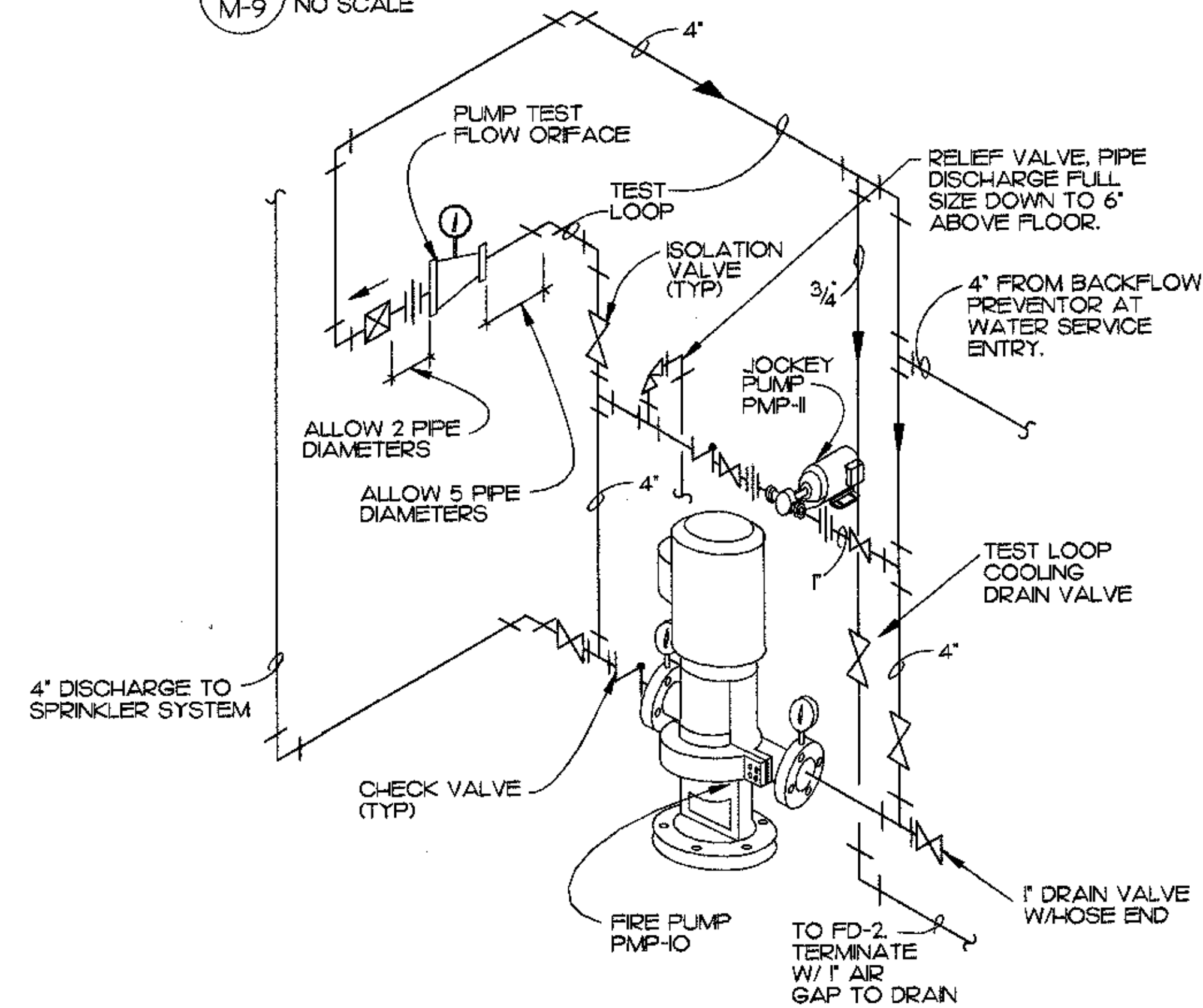
D CHIMNEY DETAIL
 M-9 NO SCALE



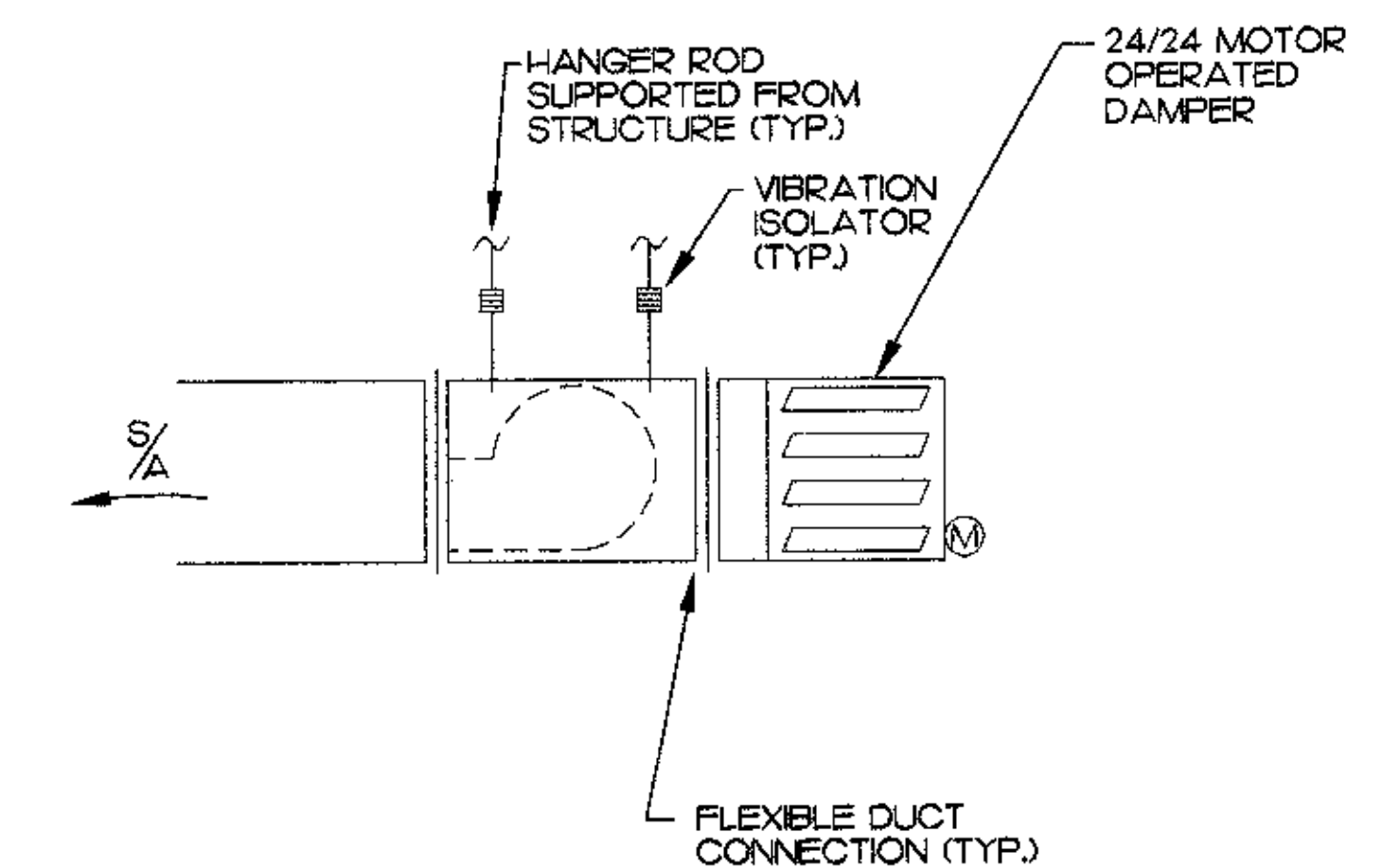
E 2-WAY VALVE COIL DETAIL
 M-9 NO SCALE



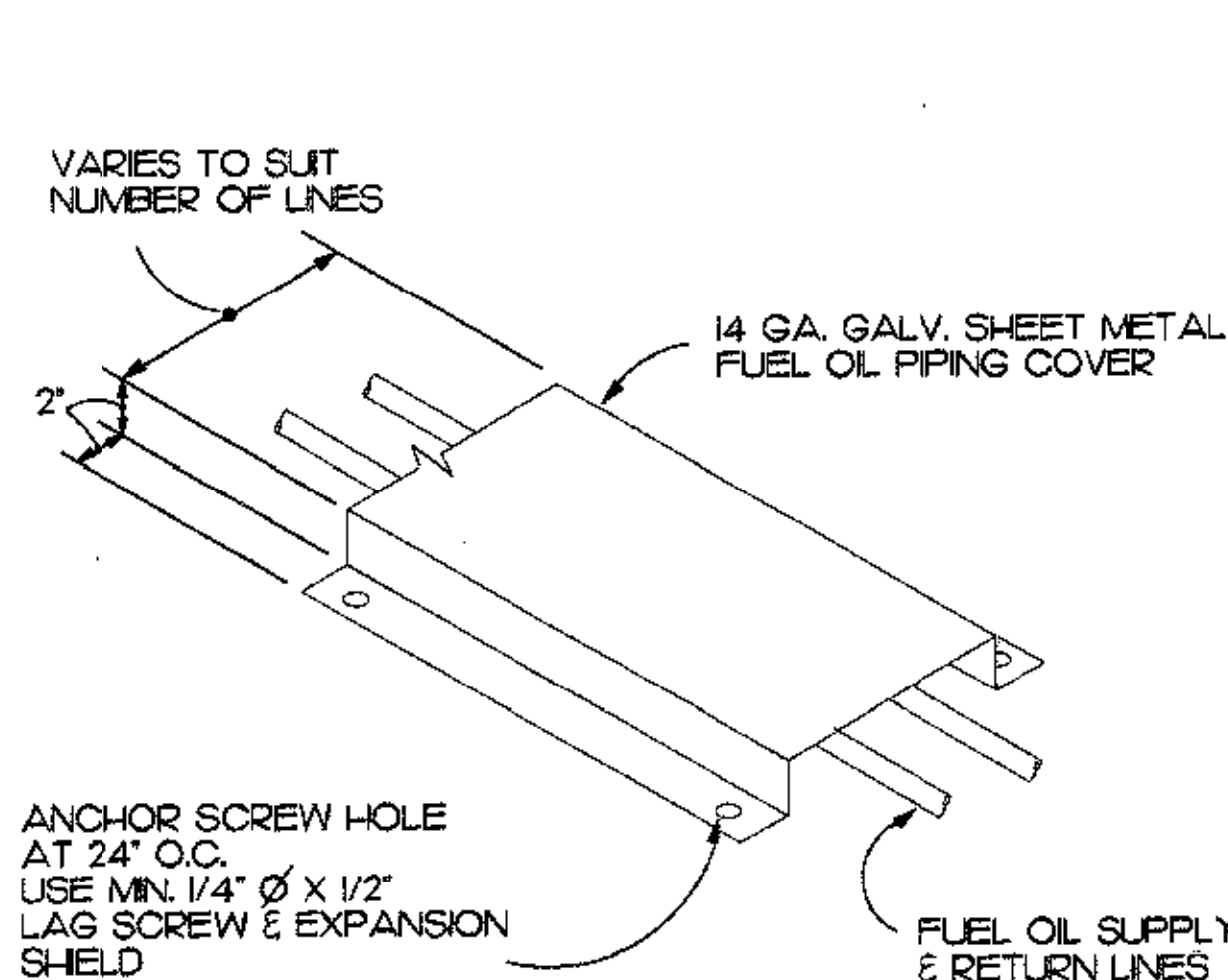
F 3-WAY VALVE COIL DETAIL
 M-9 NO SCALE



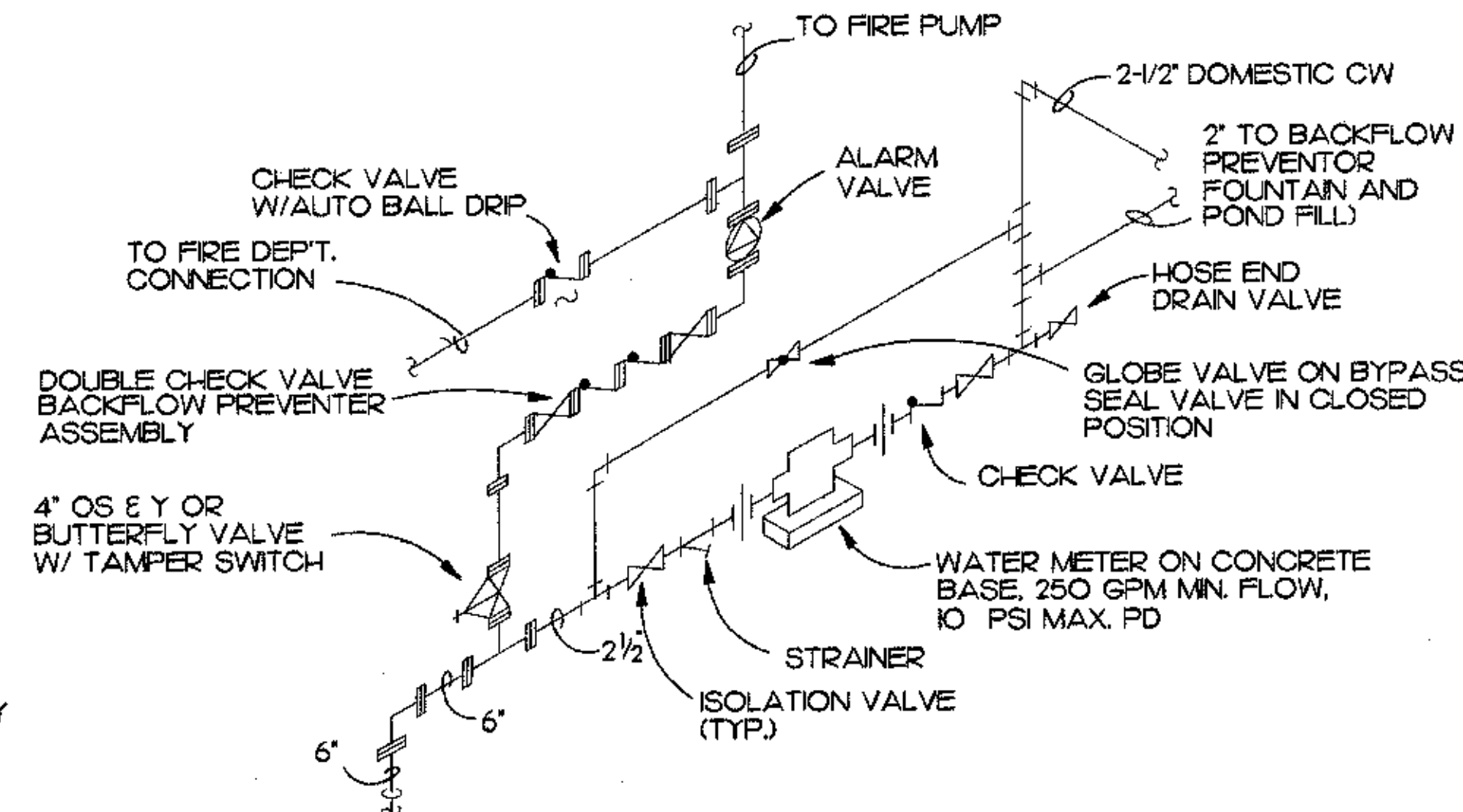
G FIRE PUMP DETAIL
 M-9 NO SCALE



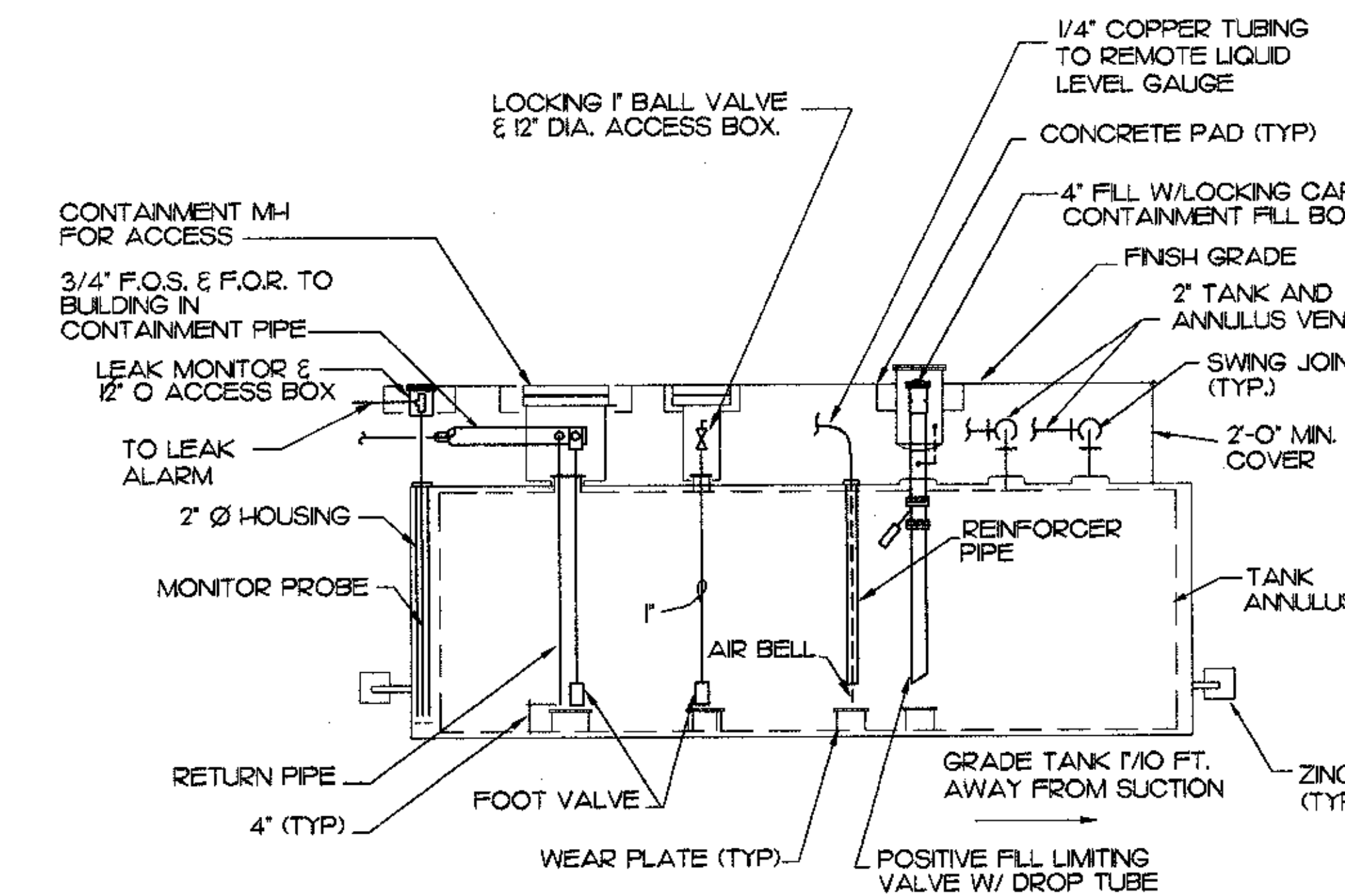
H VF-1 DETAIL (VF-2 SIMILAR)
 M-9 NO SCALE



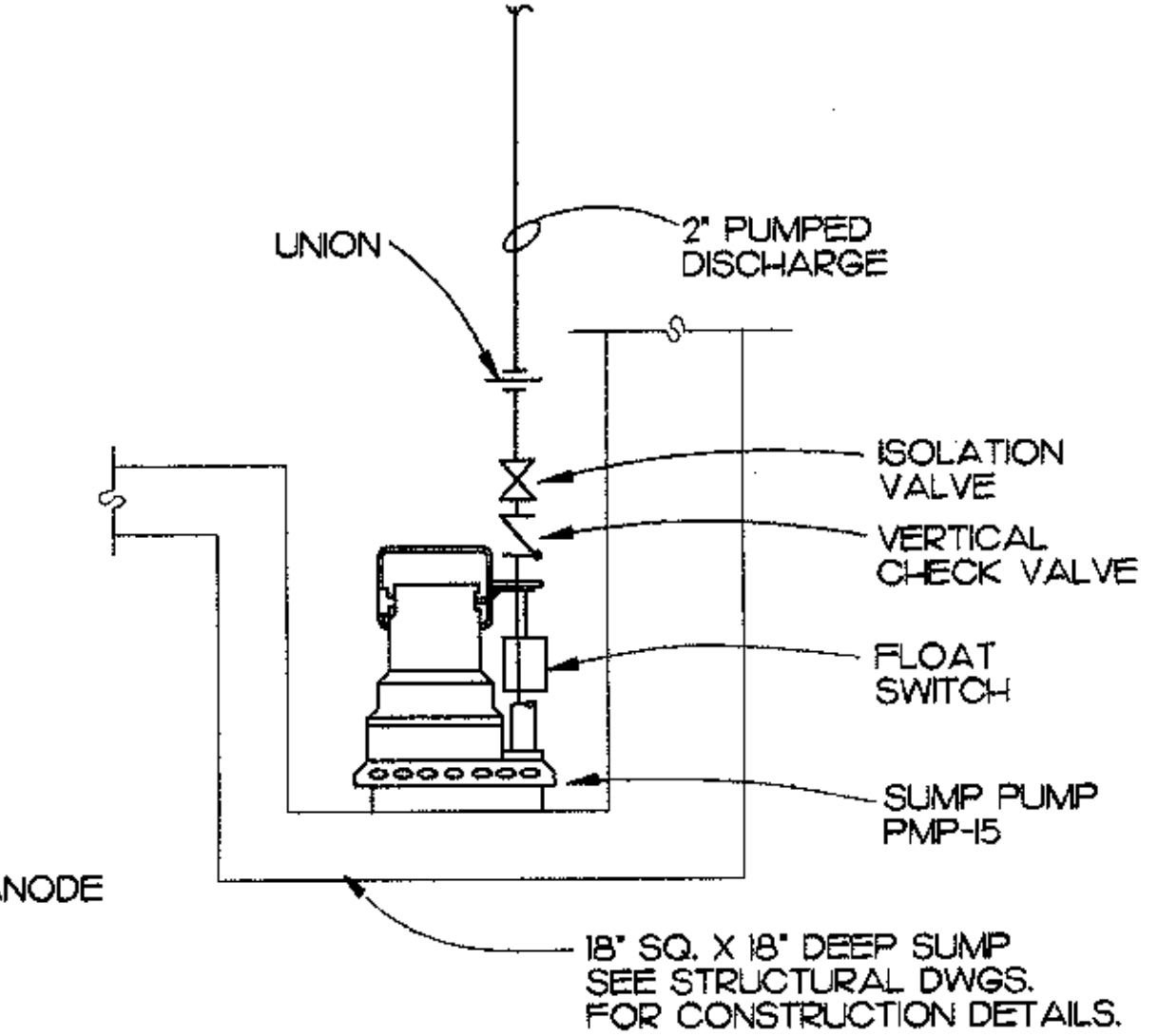
J FUEL LINE COVER DETAIL
 M-9 NO SCALE



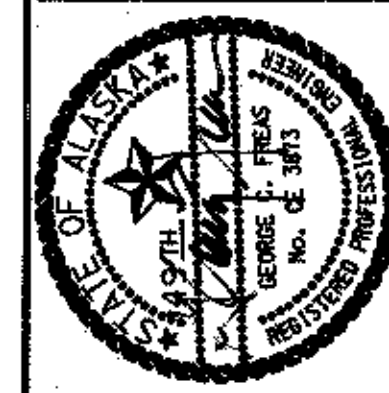
K WATER SERVICE ENTRY DETAIL
 M-9 NO SCALE



L FUEL TANK DETAIL
 M-9 NO SCALE



M SUMP PUMP DETAIL
 M-9 NO SCALE



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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 BASEMENT PLAN

Revisions

ADD No. 3
 4/13/98

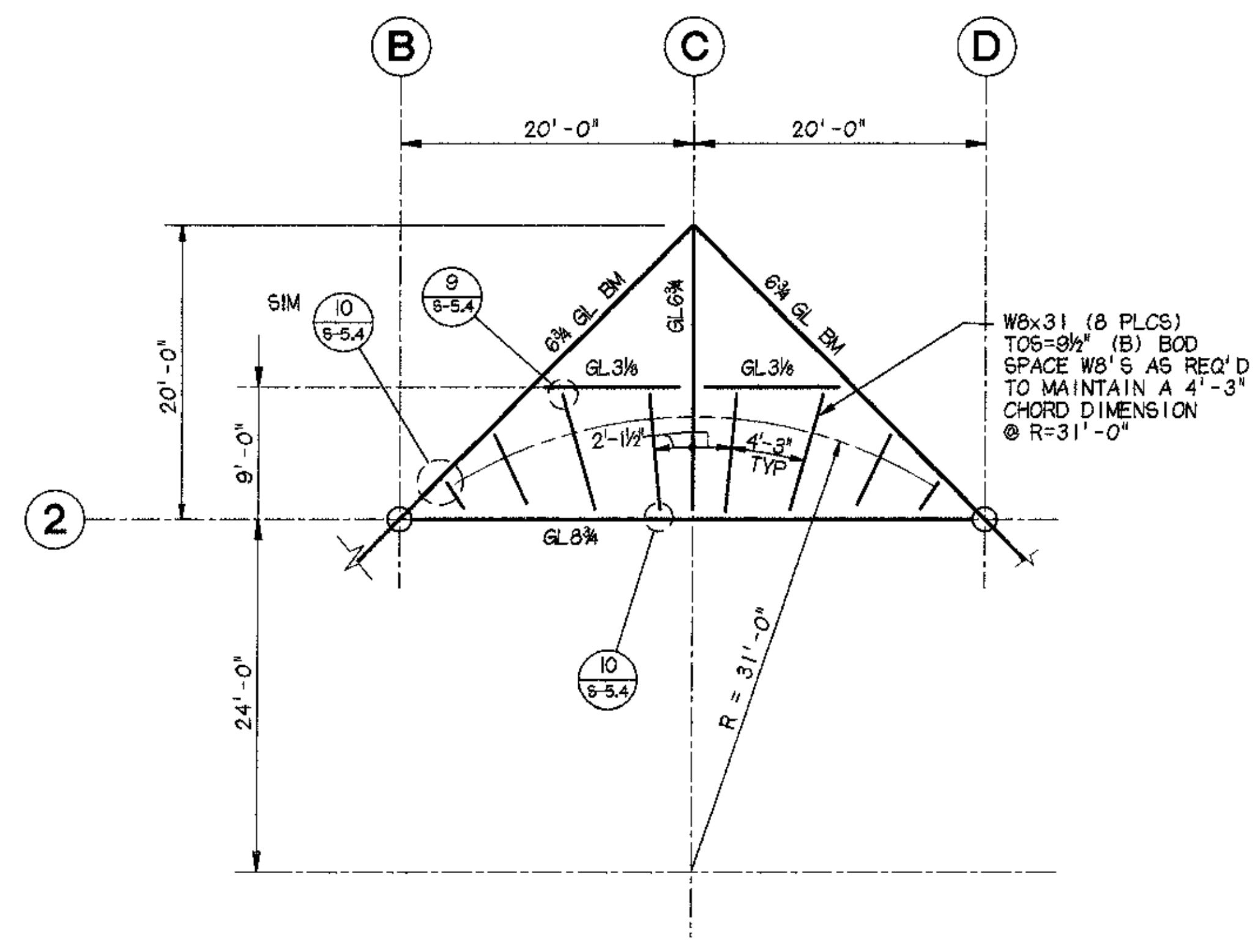
CONFORMED DRAWINGS

Date 04/17/98
 Drawn KLA,RRD,MRA
 Checked NDA
 Codd ANHC-SLDDGN
 Job No. 9925.61

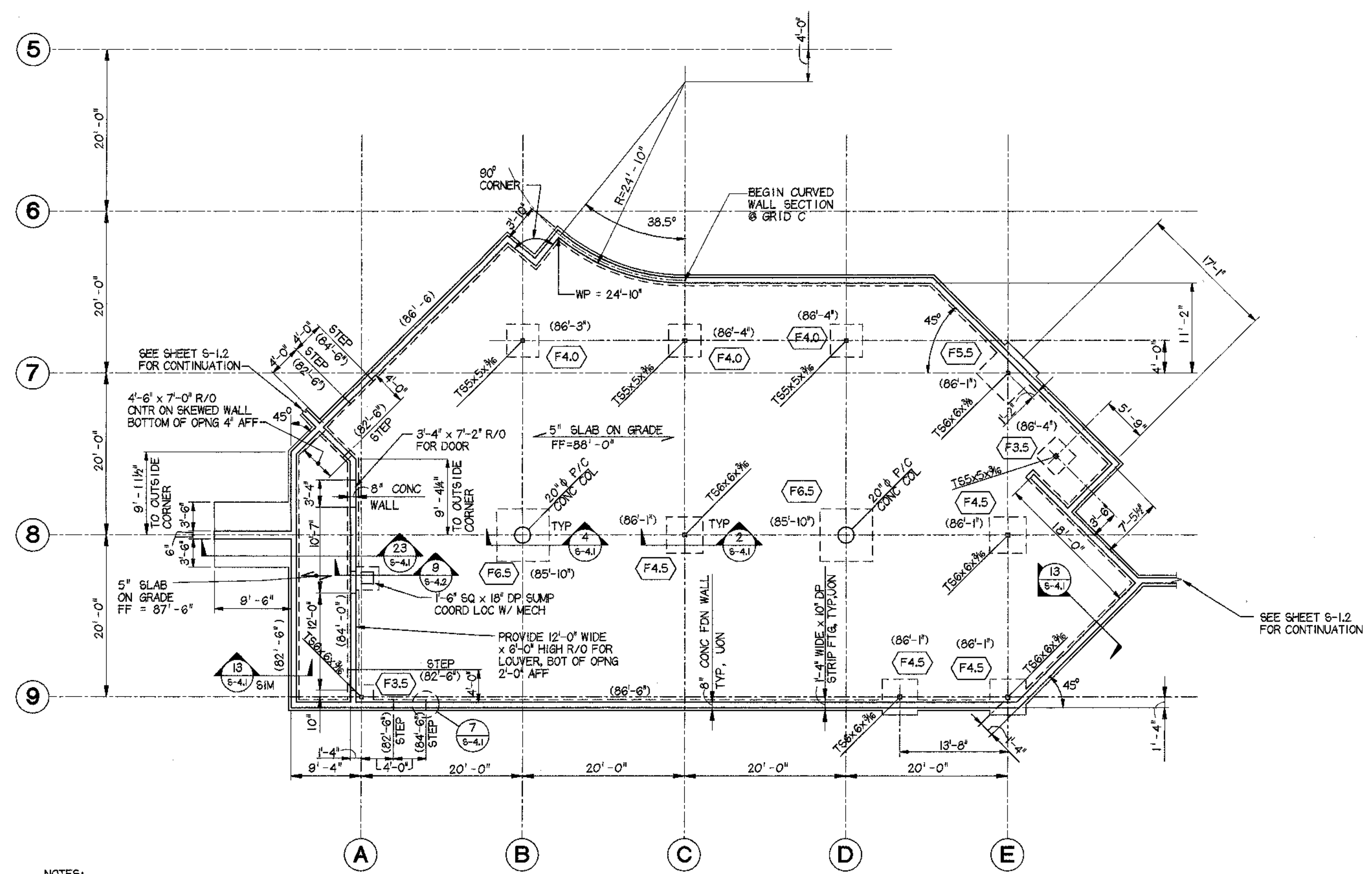
Sheet No.

S-1.1

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1 GLAZING SUPPORT FRAME
 1/8" = 1'-0"

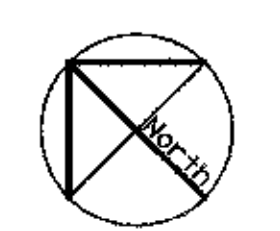


- NOTES:**
- (82'-6") INDICATES ELEVATIONS AT BOTTOM OF FOOTINGS, UNLESS OTHERWISE NOTED.
 - COORDINATE OPENINGS IN VENT PIT WALLS WITH MECHANICAL DRAWINGS.
 - COORDINATE SIZE AND LOCATION OF HOUSEKEEPING PADS WITH MECHANICAL DRAWINGS.
 - SLOPE VENTILATION PIT SLAB TO DRAIN.
 - PROVIDE CONTROL JOINTS IN SLAB AT GRIDS B,C,D,6,8 AND 8.

| FOOTING SCHEDULE | | | | |
|------------------|-------|-------|-----|--------------|
| TYPE | B | L | T | REINFORCING |
| F2.0 | 2'-0" | 2'-0" | 10" | 3-#5 EW |
| F3.5 | 3'-6" | 3'-6" | 12" | 4-#5 EW |
| F4.0 | 4'-0" | 4'-0" | 12" | 5-#5 EW |
| F4.5 | 4'-6" | 4'-6" | 15" | 5-#5 EW |
| F5.5 | 5'-6" | 5'-6" | 15" | 7-#5 EW |
| F6.5 | 6'-6" | 6'-6" | 18" | 9-#5 EW |
| F7.0 | 7'-0" | 7'-0" | 24" | 10-#5 EW,T&B |
| F8.0 | 8'-0" | 8'-0" | 30" | 12-#5 EW,T&B |

| COL BASE R. SCHEDULE | | | | | | |
|----------------------|-----|-----|------|--------------|-----------------|--|
| COL | L | W | T | ANCHOR BOLTS | | |
| | | | | SIZE | EMBEDMENT DEPTH | |
| T55x5 | 11" | 11" | 3/4" | 3/4" | 9" | |
| T56x6 | 12" | 12" | 3/4" | 3/4" | 9" | |
| T60x6 | 14" | 14" | 3/4" | 3/4" | 12" | |

NOTE: AT BRACED COLUMNS, PROVIDE 1/2" x 3" SQ PLATE WASHER AT BOTTOM OF ALL ANCHOR BOLTS.



BASEMENT PLAN
 1/8" = 1'-0"

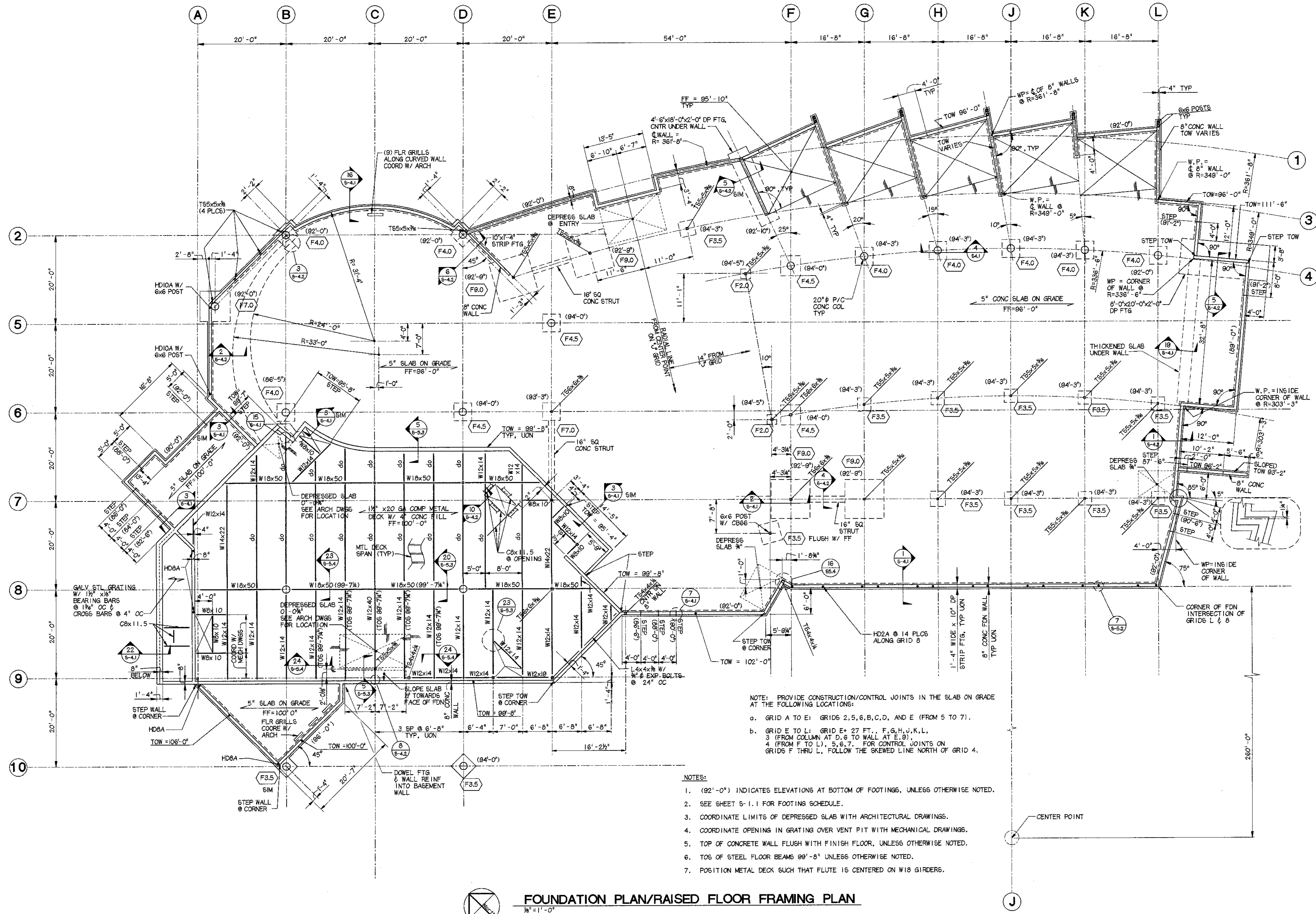
LAST PLOT DATE: 4/6/98
 14/04/98/565/61/ANHC-SLDDGN



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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN

Revisions
 CONFORMED DRAWINGS
 Date 04/17/98
 Drawn KLA,RRD,MRA
 Checked KDA
 Cadd ANHC-SL2.DGN
 Job No. 95125.61
 Sheet No.
S-1.2
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NOTE: PROVIDE CONSTRUCTION/CONTROL JOINTS IN THE SLAB ON GRADE AT THE FOLLOWING LOCATIONS:
 a. GRID A TO E: GRIDS 2,5,6,B,C,D, AND E (FROM 5 TO 7).
 b. GRID E TO L: GRID E+ 27 FT., F,G,H,J,K,L,
 3 (FROM COLUMN AT D.6 TO WALL AT E.8),
 4 (FROM F TO L), 5,6,7. FOR CONTROL JOINTS ON
 GRIDS F THRU L, FOLLOW THE SKEWED LINE NORTH OF GRID 4.

- NOTES:
- (92'-0") INDICATES ELEVATIONS AT BOTTOM OF FOOTINGS, UNLESS OTHERWISE NOTED.
 - SEE SHEET S-1.1 FOR FOOTING SCHEDULE.
 - COORDINATE LIMITS OF DEPRESSED SLAB WITH ARCHITECTURAL DRAWINGS.
 - COORDINATE OPENING IN GRATING OVER VENT PIT WITH MECHANICAL DRAWINGS.
 - TOP OF CONCRETE WALL FLUSH WITH FINISH FLOOR, UNLESS OTHERWISE NOTED.
 - TOS OF STEEL FLOOR BEAMS 99'-8" UNLESS OTHERWISE NOTED.
 - POSITION METAL DECK SUCH THAT FLUTE IS CENTERED ON W18 GIRDERS.



FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN
 1/8" = 1'-0"

LAST PLOT DATE: 04/28/98
 KLA/RRD/MRA/ANHC-SL2.DGN



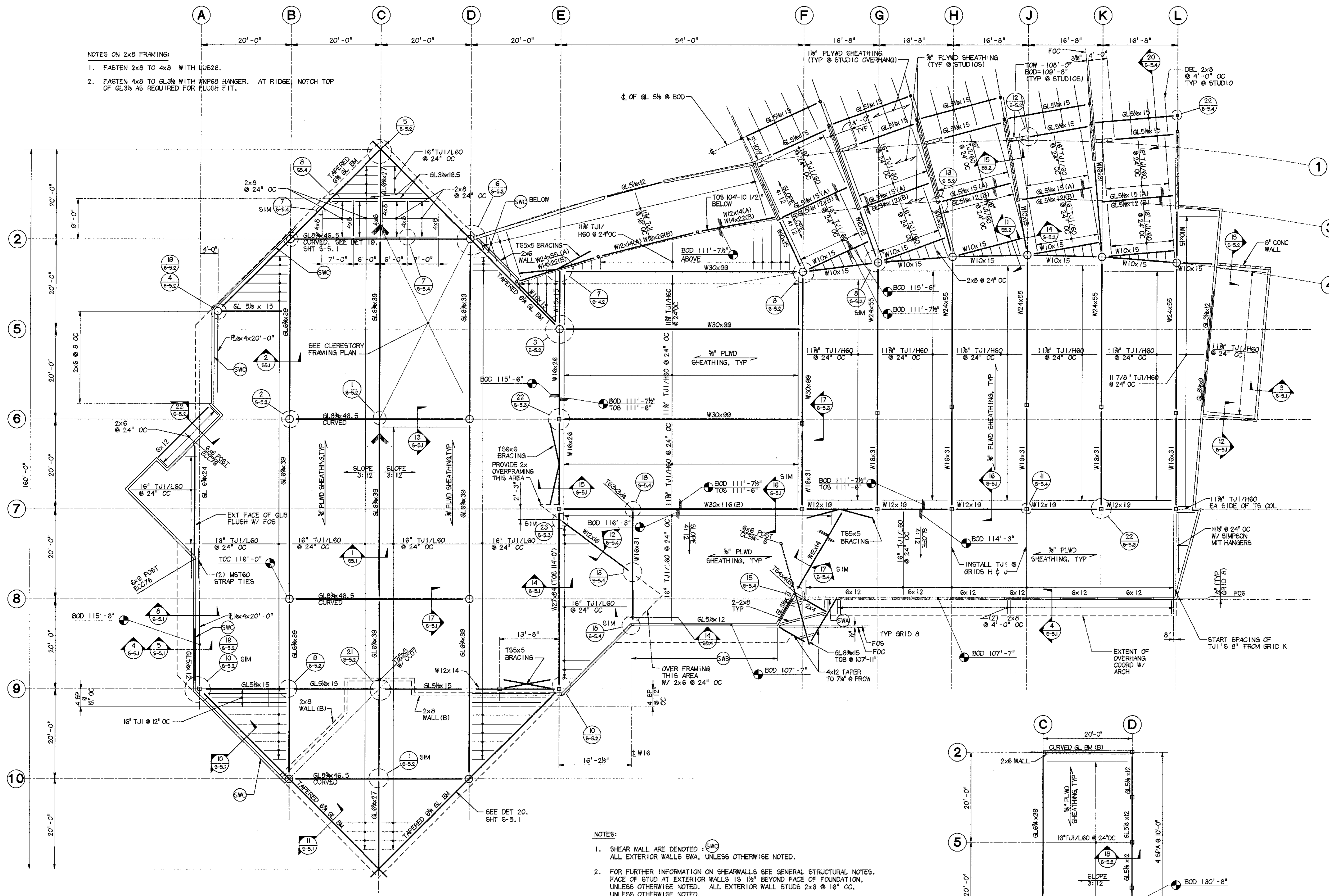
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ALASKA NATIVE HERITAGE CENTER
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 ROOF FRAMING PLAN

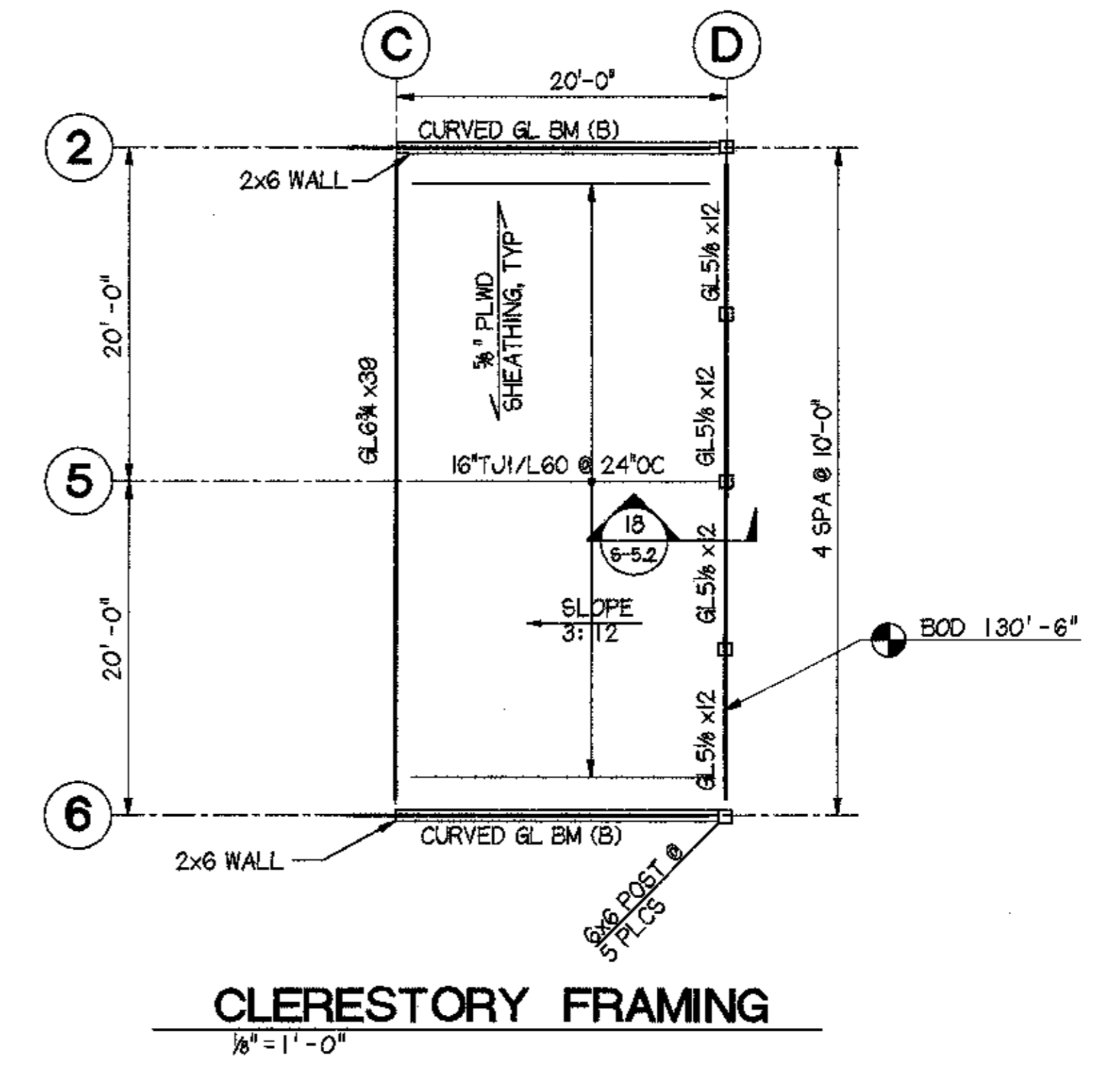
Revisions
 Date 04/17/98
 Drawn KLA,RRD,AKM
 Checked KDA
 Cadd ANHCS2-LDN
 Job No. 9525.61

Sheet No.
S-2.1
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- NOTES ON 2x8 FRAMING:**
1. FASTEN 2x8 TO 4x8 WITH LUGS.
 2. FASTEN 4x8 TO GL3/8 WITH WNP68 HANGER. AT RIDGE NOTCH TOP OF GL3/8 AS REQUIRED FOR FLUSH FIT.



- NOTES:**
1. SHEAR WALL ARE DENOTED : SWC
 ALL EXTERIOR WALLS SWA, UNLESS OTHERWISE NOTED.
 2. FOR FURTHER INFORMATION ON SHEARWALLS SEE GENERAL STRUCTURAL NOTES.
 FACE OF STUD AT EXTERIOR WALLS IS 1/2" BEYOND FACE OF FOUNDATION,
 UNLESS OTHERWISE NOTED. ALL EXTERIOR WALL STUDS 2x6 @ 16" OC,
 UNLESS OTHERWISE NOTED.
 3. BOTTOM OF DECK (BOD) ELEVATION = BOTTOM OF PLYWOOD SHEATHING.
 ELEVATIONS ARE AT CENTERLINE OF GRID UNLESS OTHERWISE NOTED.



LAST PLOT DATE: 4/16/98
 15:00A/555/51/ANHC2-LDN



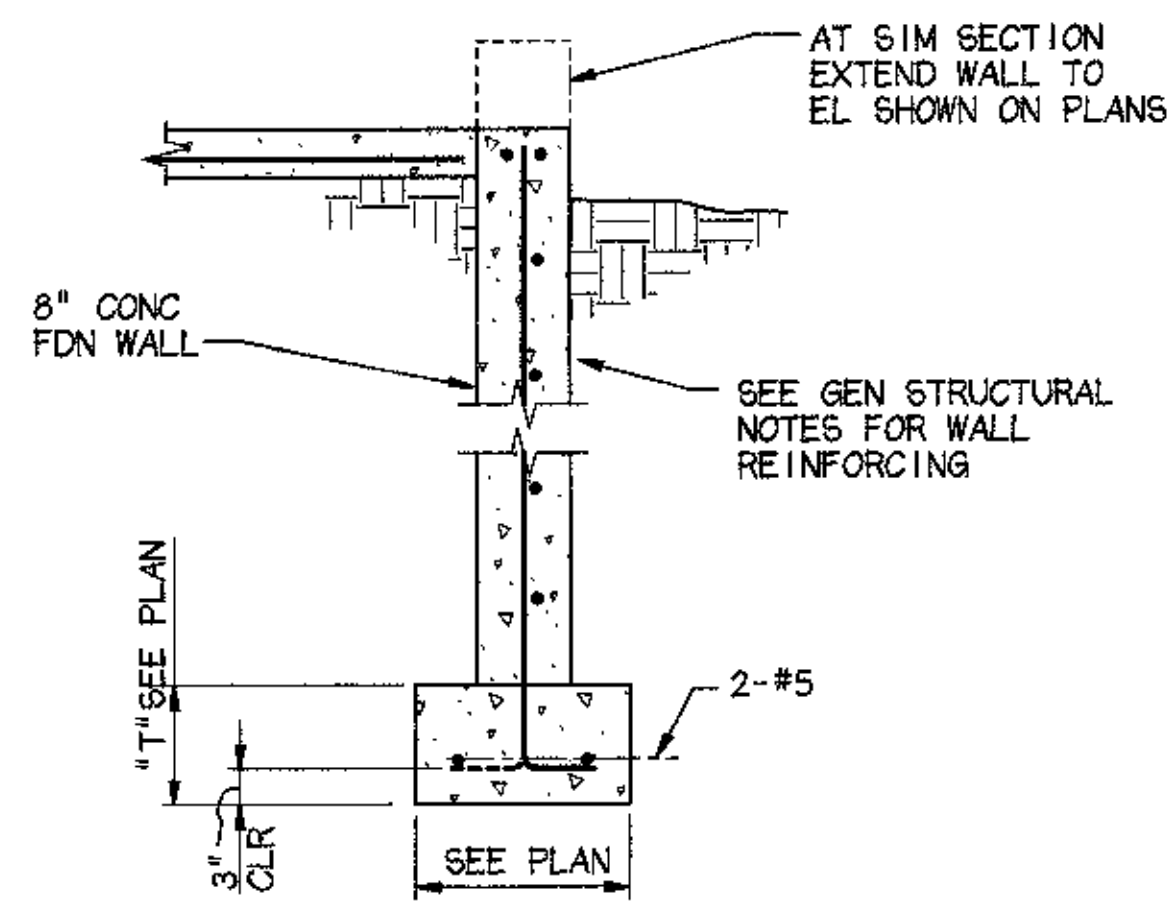
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 FOUNDATION SECTIONS AND DETAILS

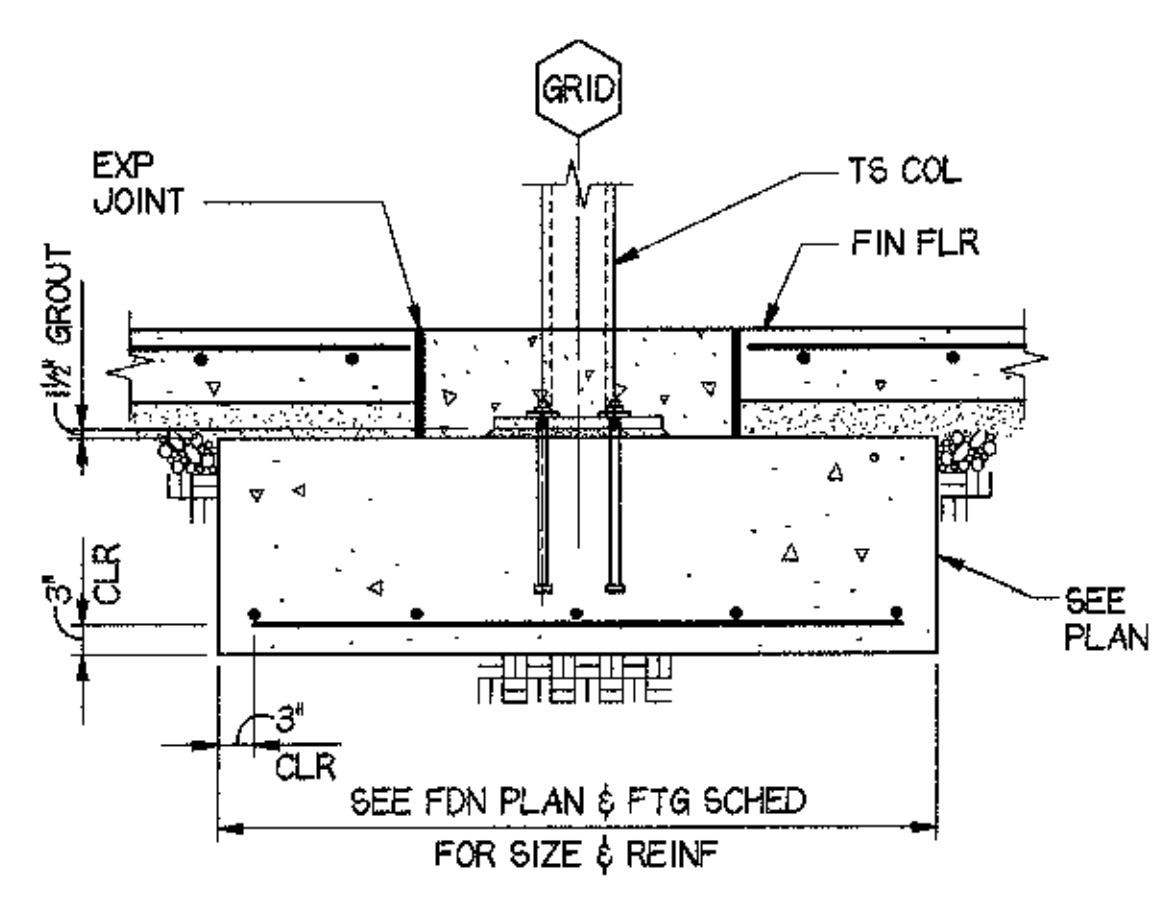
CONFORMED DRAWINGS

Date 04/17/98
 Drawn KLA, CMH
 Checked KDA
 Codd ANHCS4-LDGN
 Job No. 95125.61
 Sheet No.

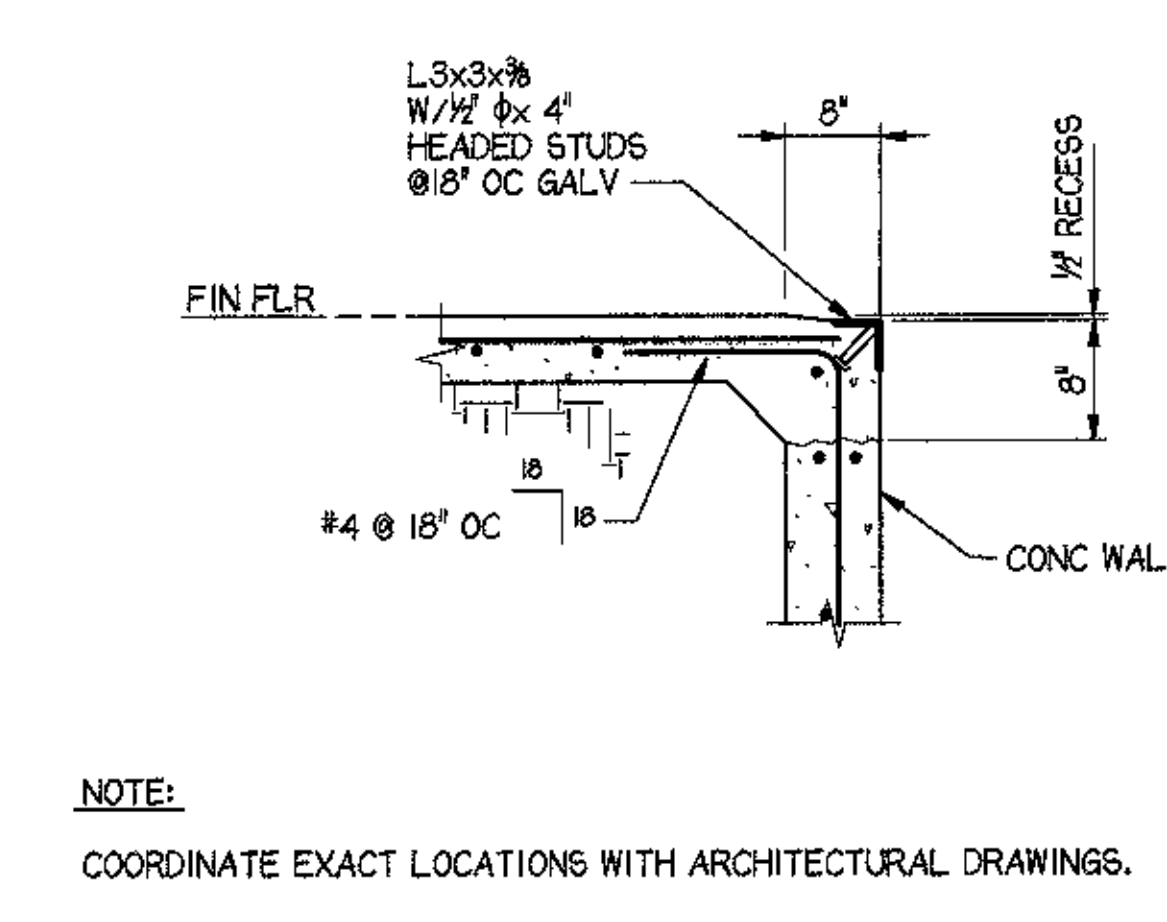
S-4.1
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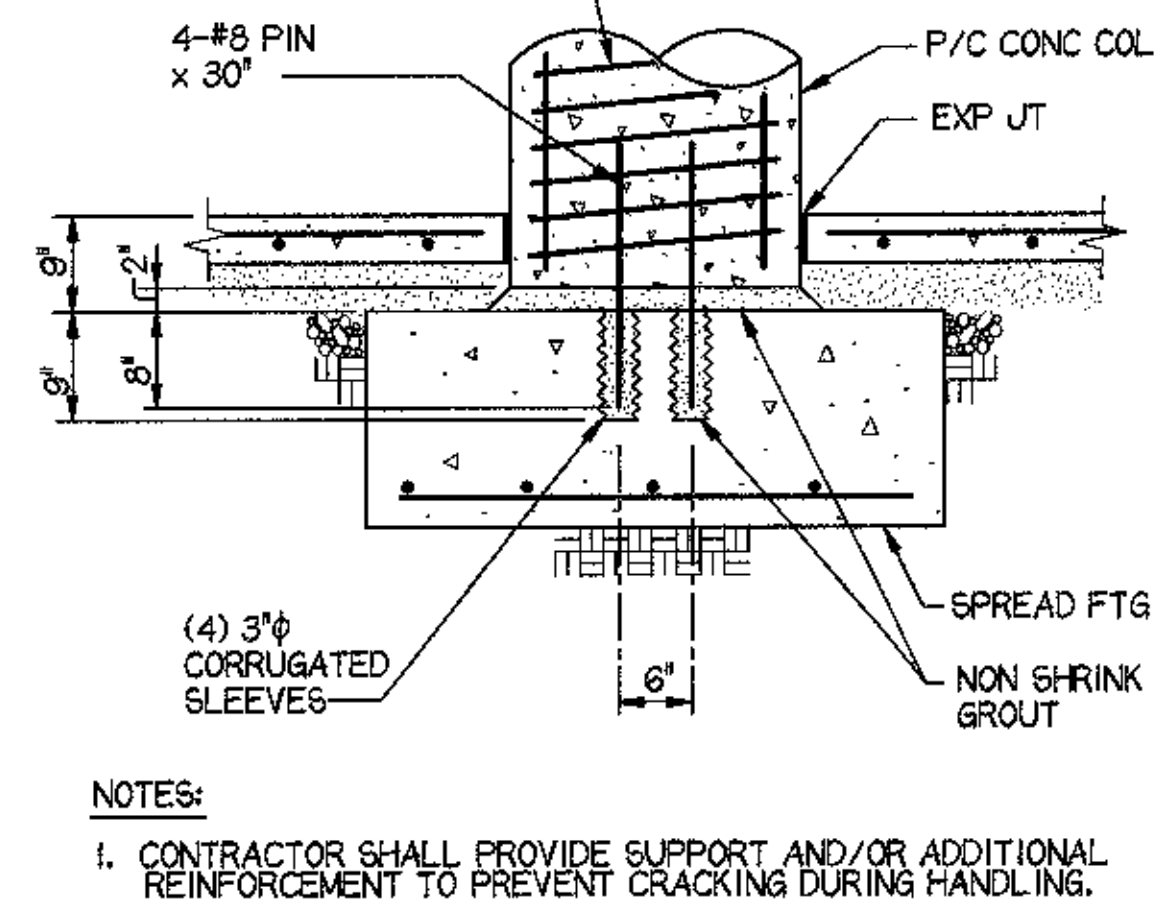
1 TYP FDN WALL
 3/4" = 1'-0"



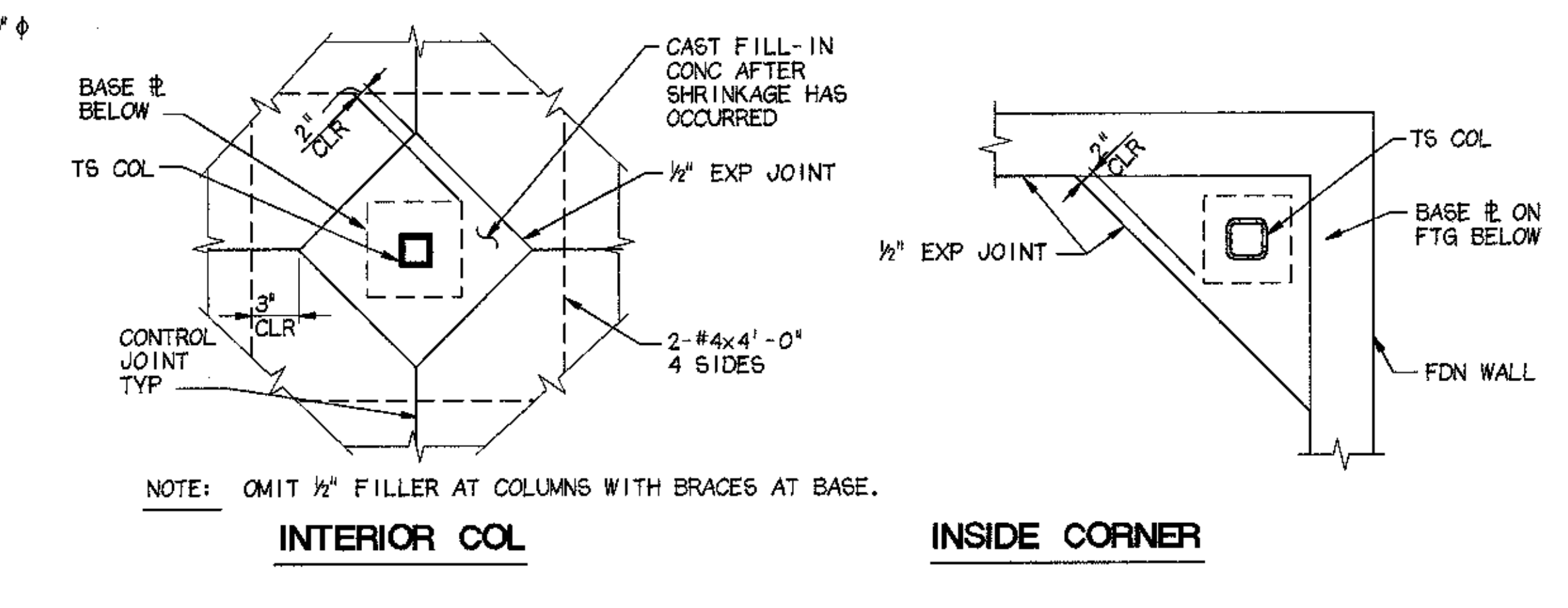
2 TYP INT TS COL FTG
 3/4" = 1'-0"



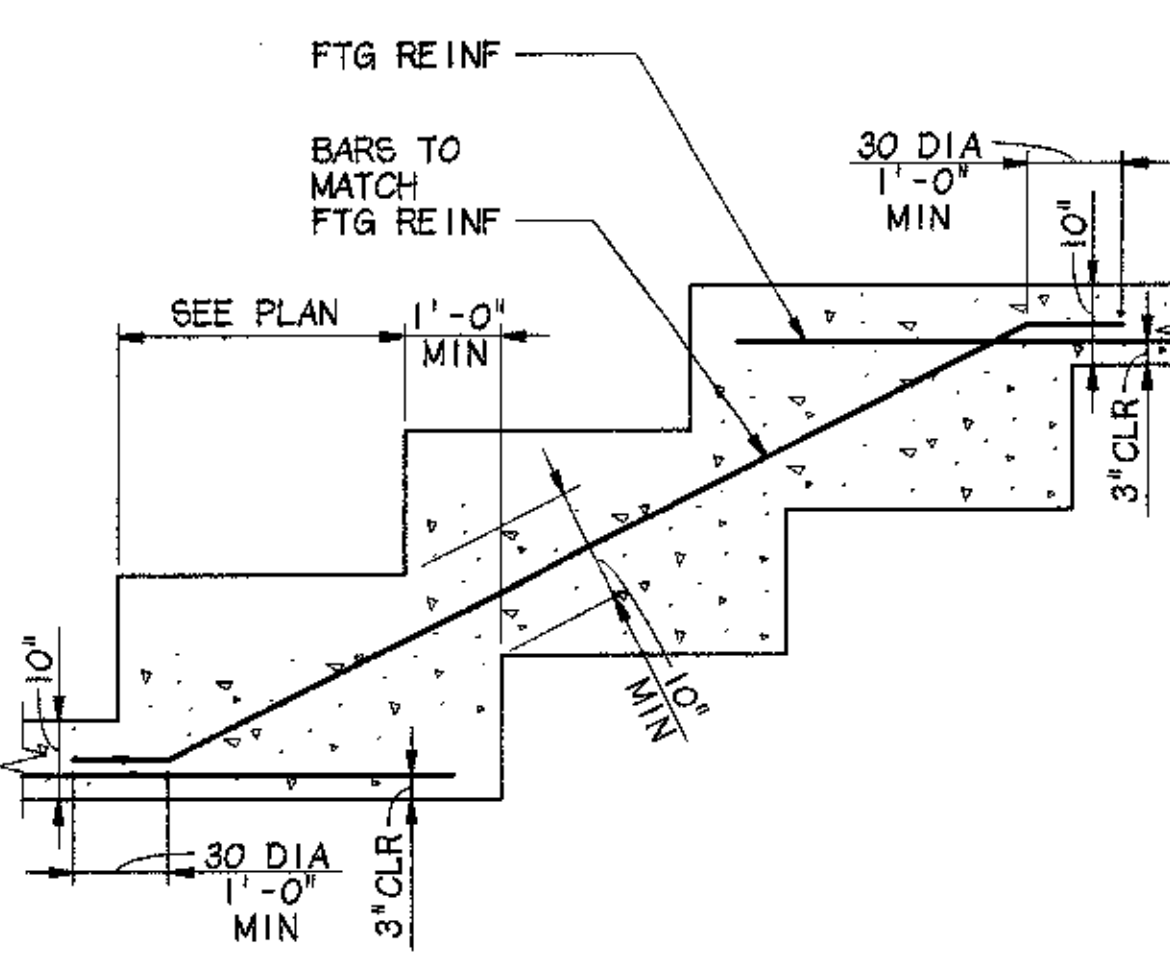
3 TYP THRESHOLD @ OH DOOR
 3/4" = 1'-0"



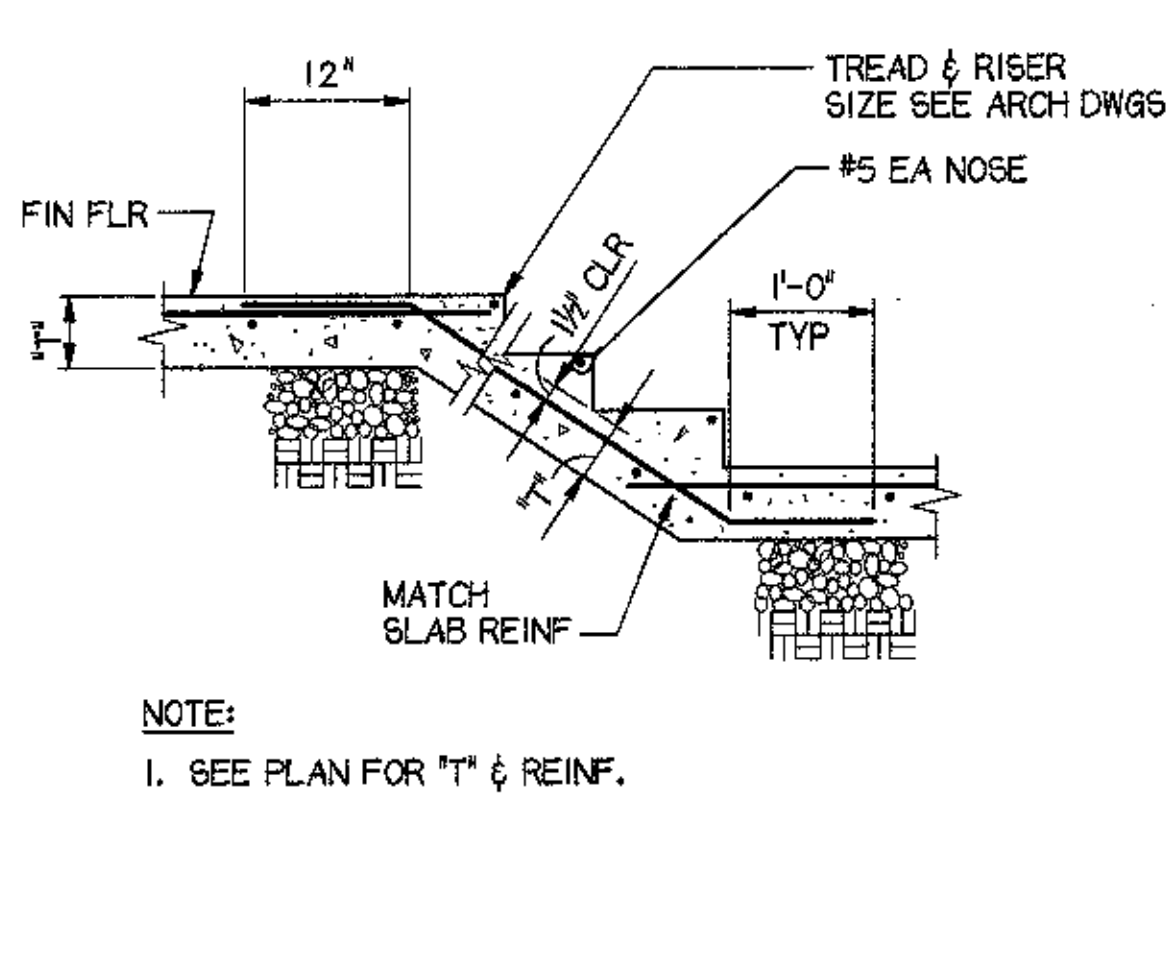
4 P/C COL/FTG
 3/4" = 1'-0"



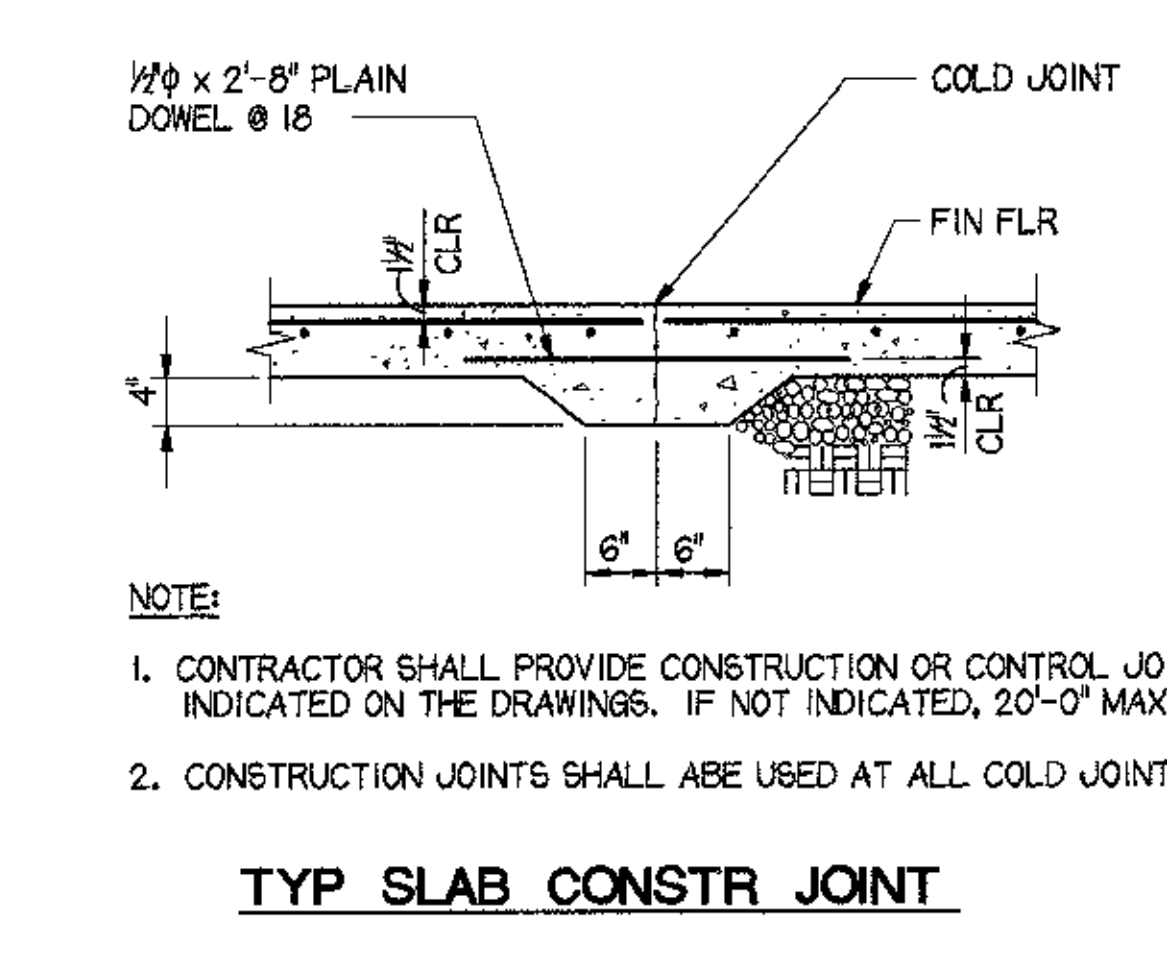
5 TYP COLUMN ISOLATION JOINTS
 3/4" = 1'-0"



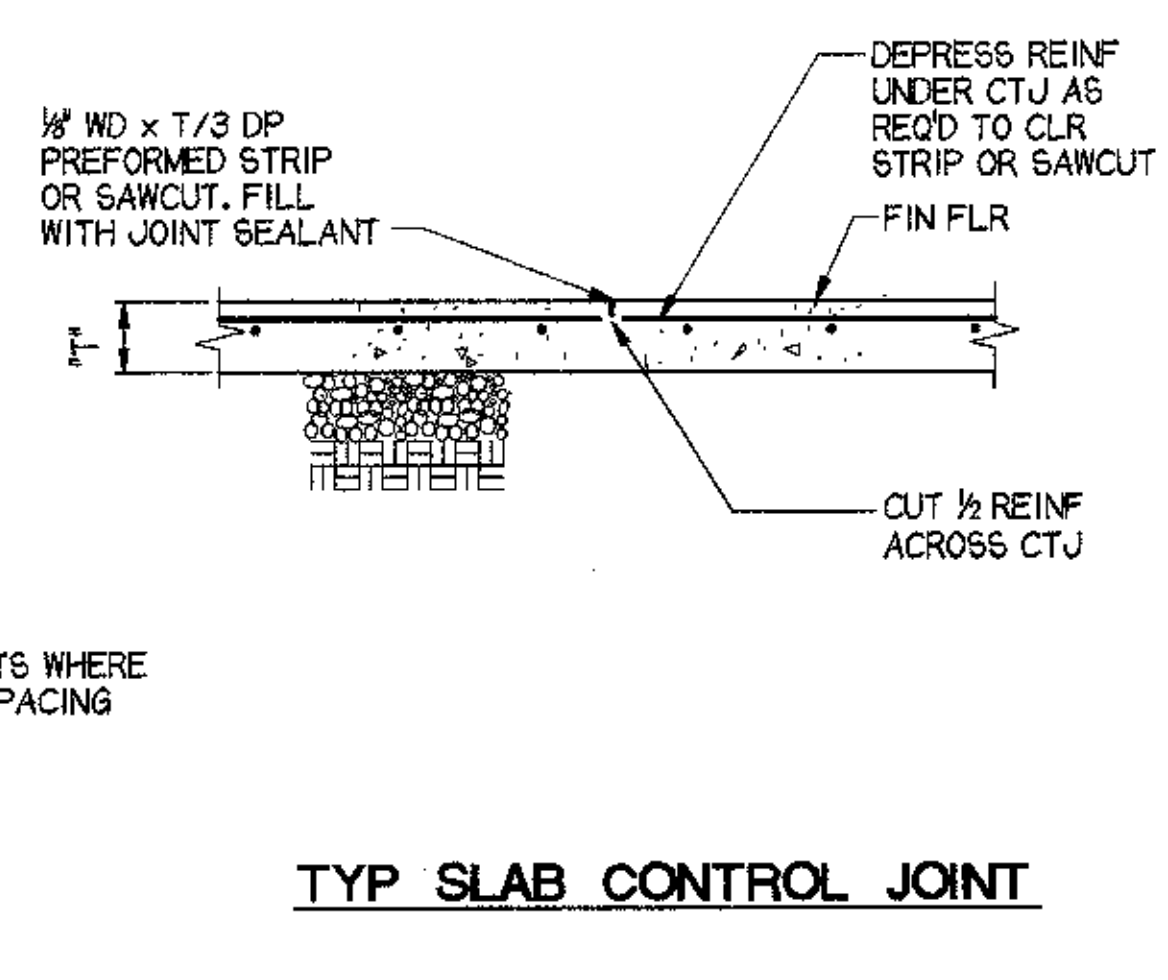
7 TYP STEPPED FOOTING
 1/2" = 1'-0"



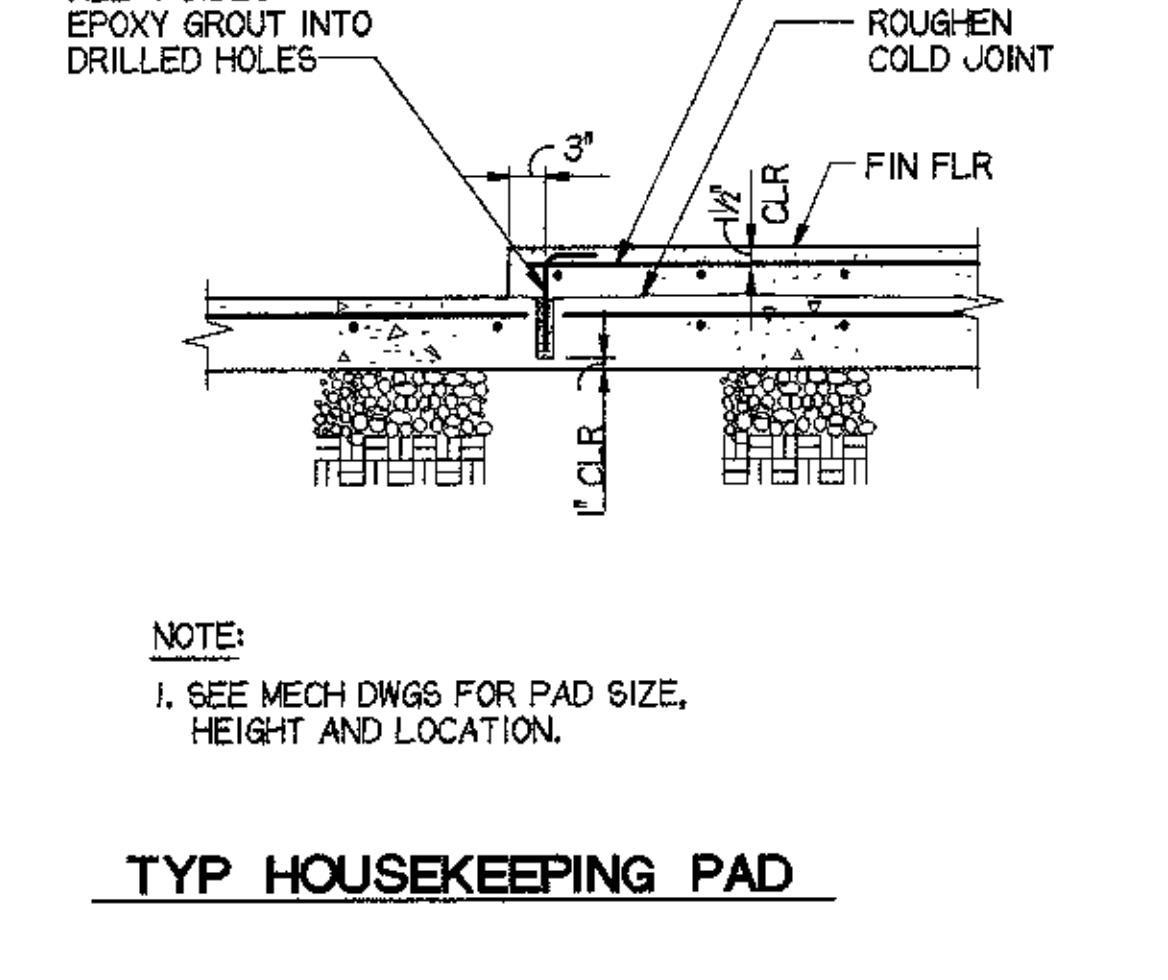
8 TYP STAIR ON GRADE
 3/4" = 1'-0"



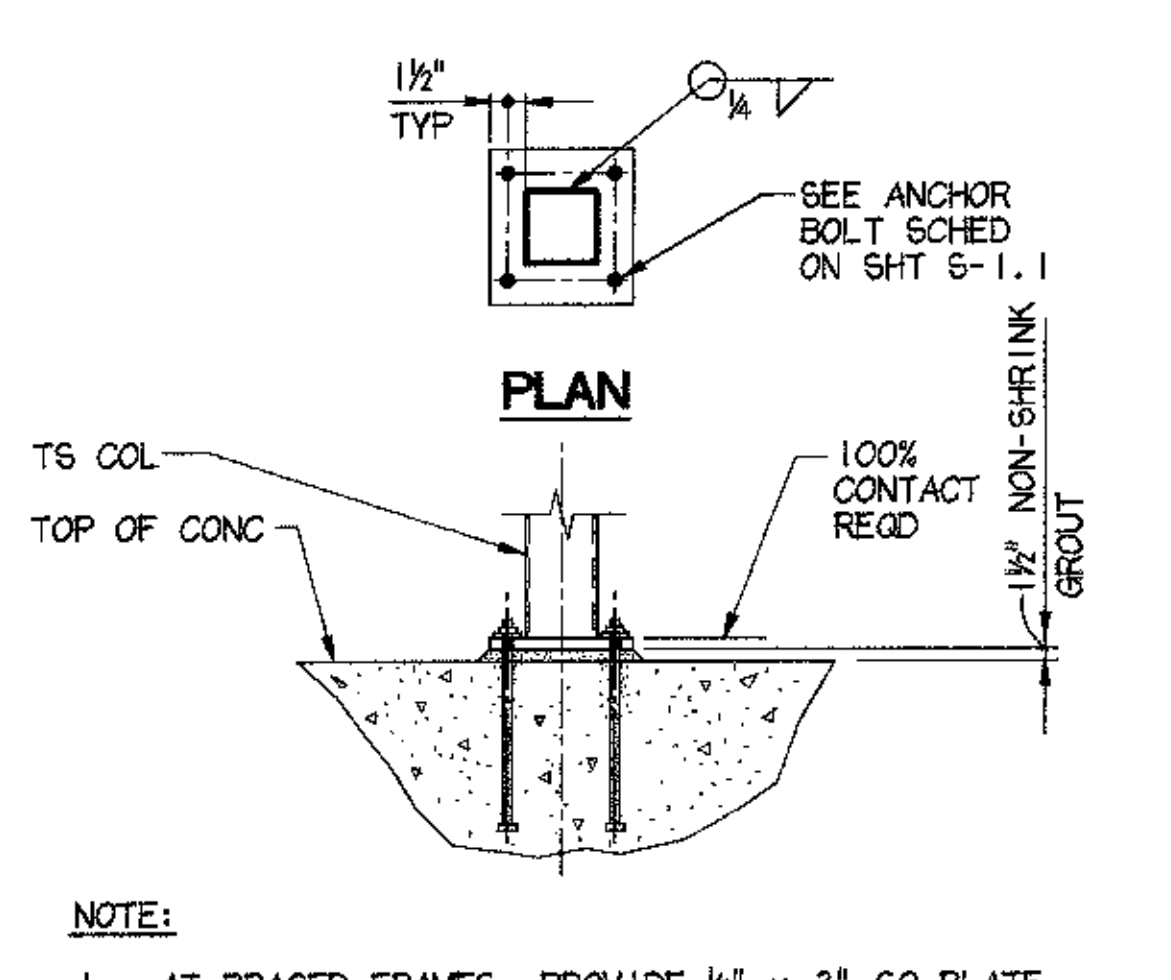
9 TYP SLAB CONSTR JOINT
 3/4" = 1'-0"



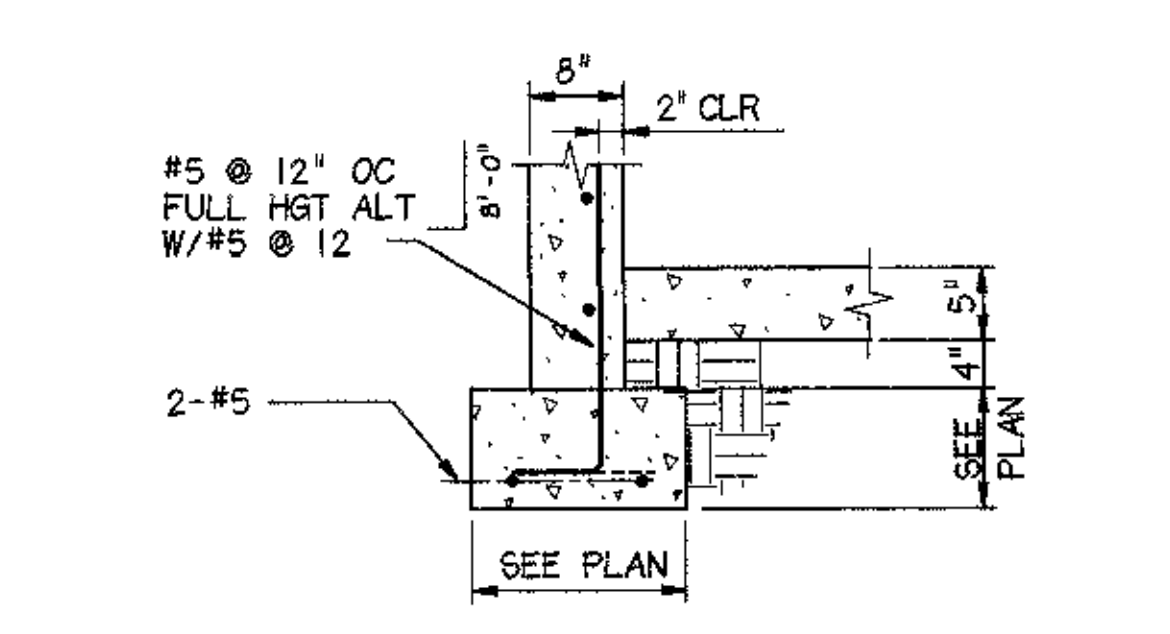
10 TYP SLAB CONTROL JOINT
 3/4" = 1'-0"



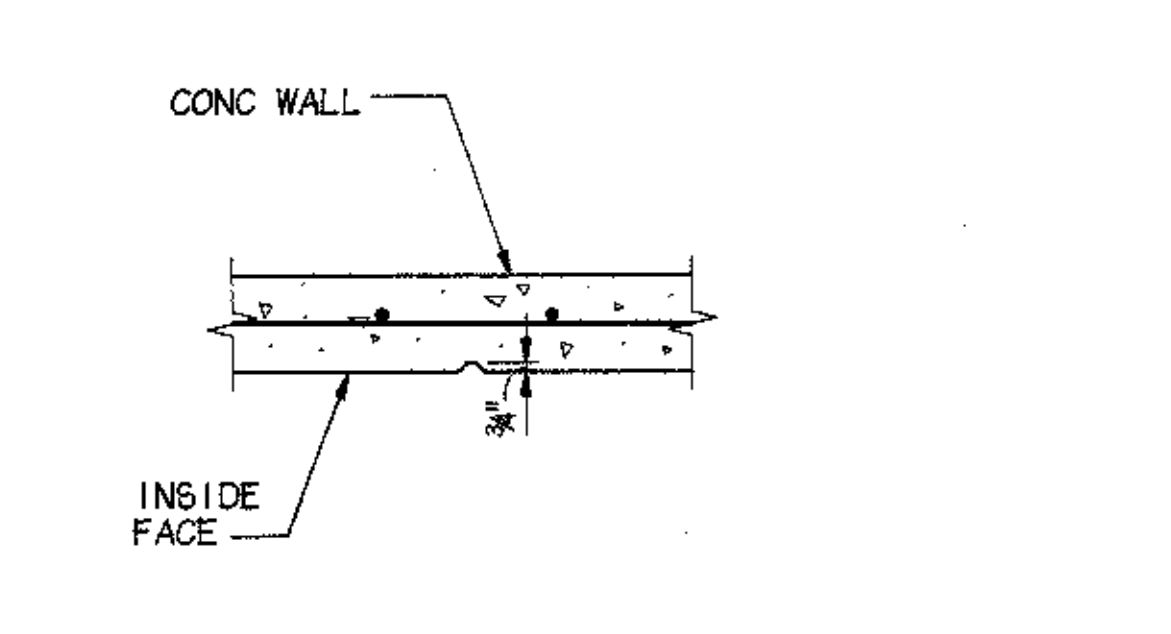
11 TYP HOUSEKEEPING PAD
 3/4" = 1'-0"



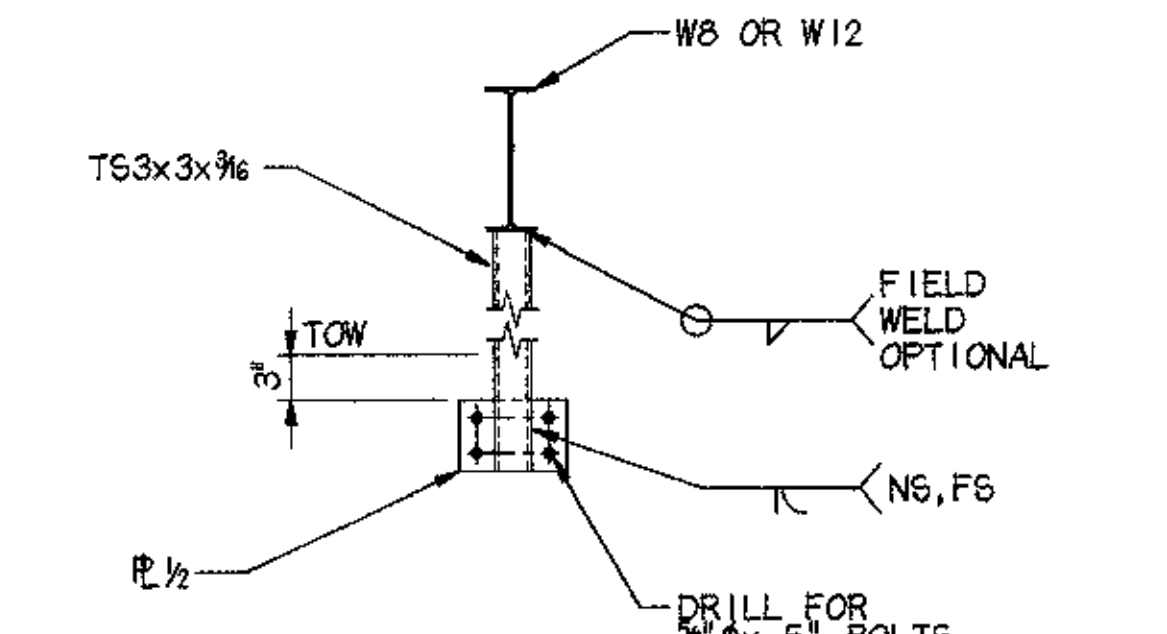
12 TYP TS COL BASE PL
 NO SCALE



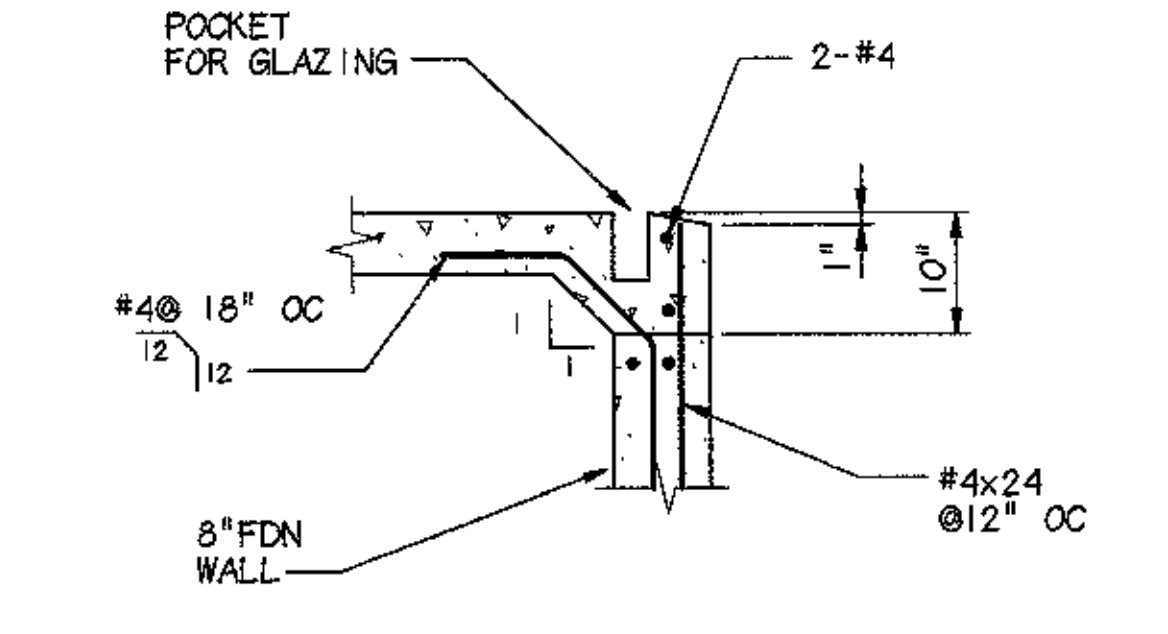
13 SECTION @ BASEMENT
 3/4" = 1'-0"



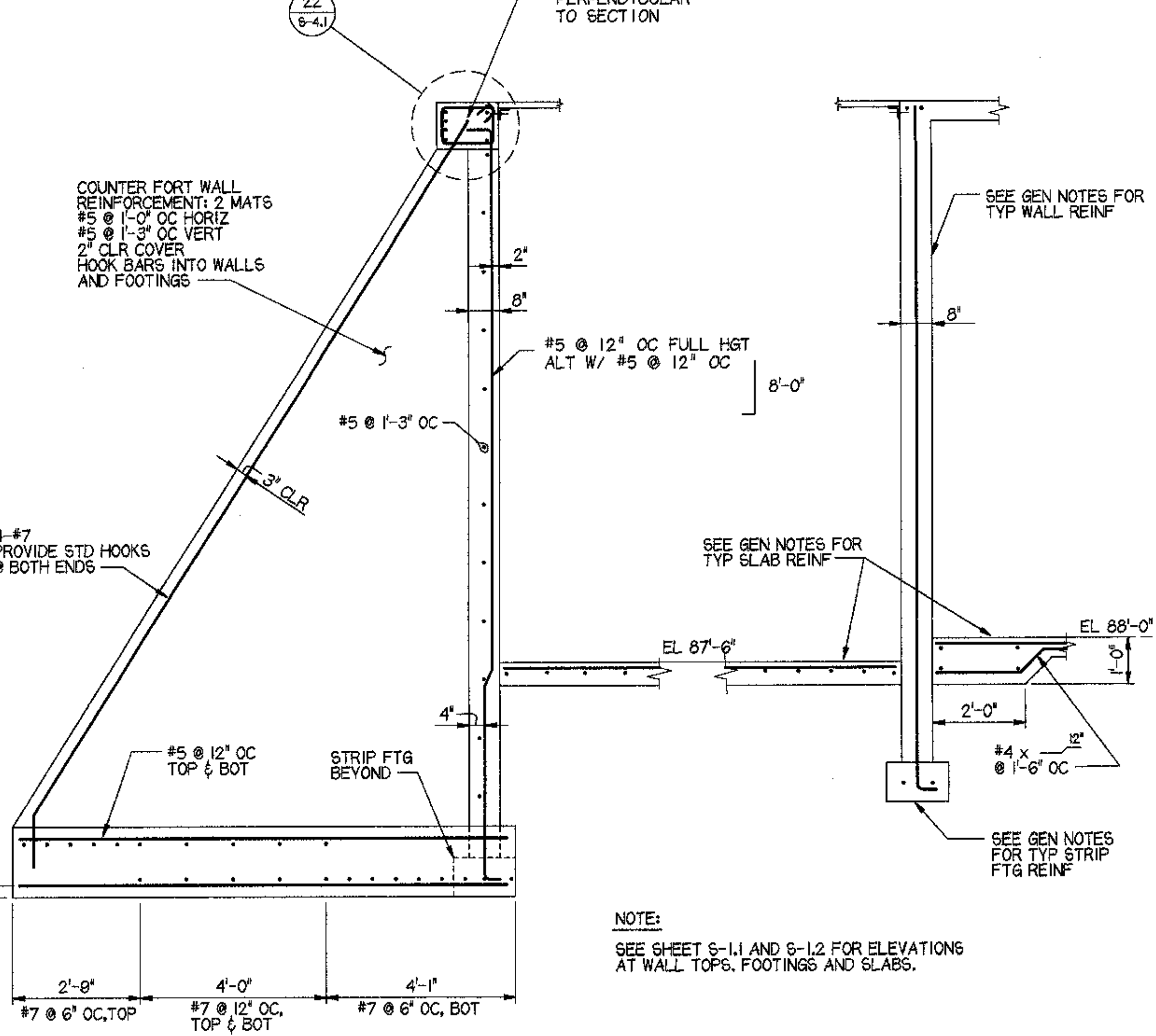
14 TYP VERT CONTROL JT @ CONC WALL
 3/4" = 1'-0"



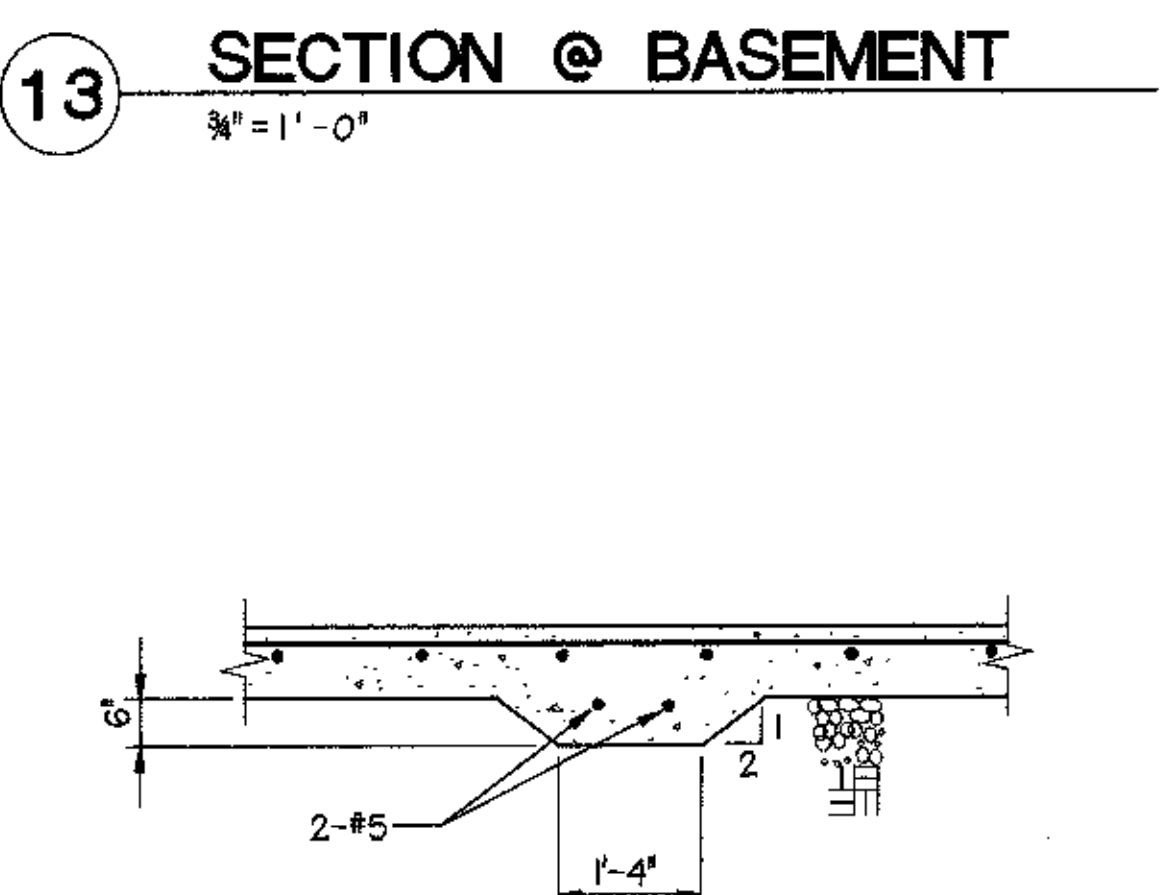
15 TS BEAM SUPPORT
 3/4" = 1'-0"



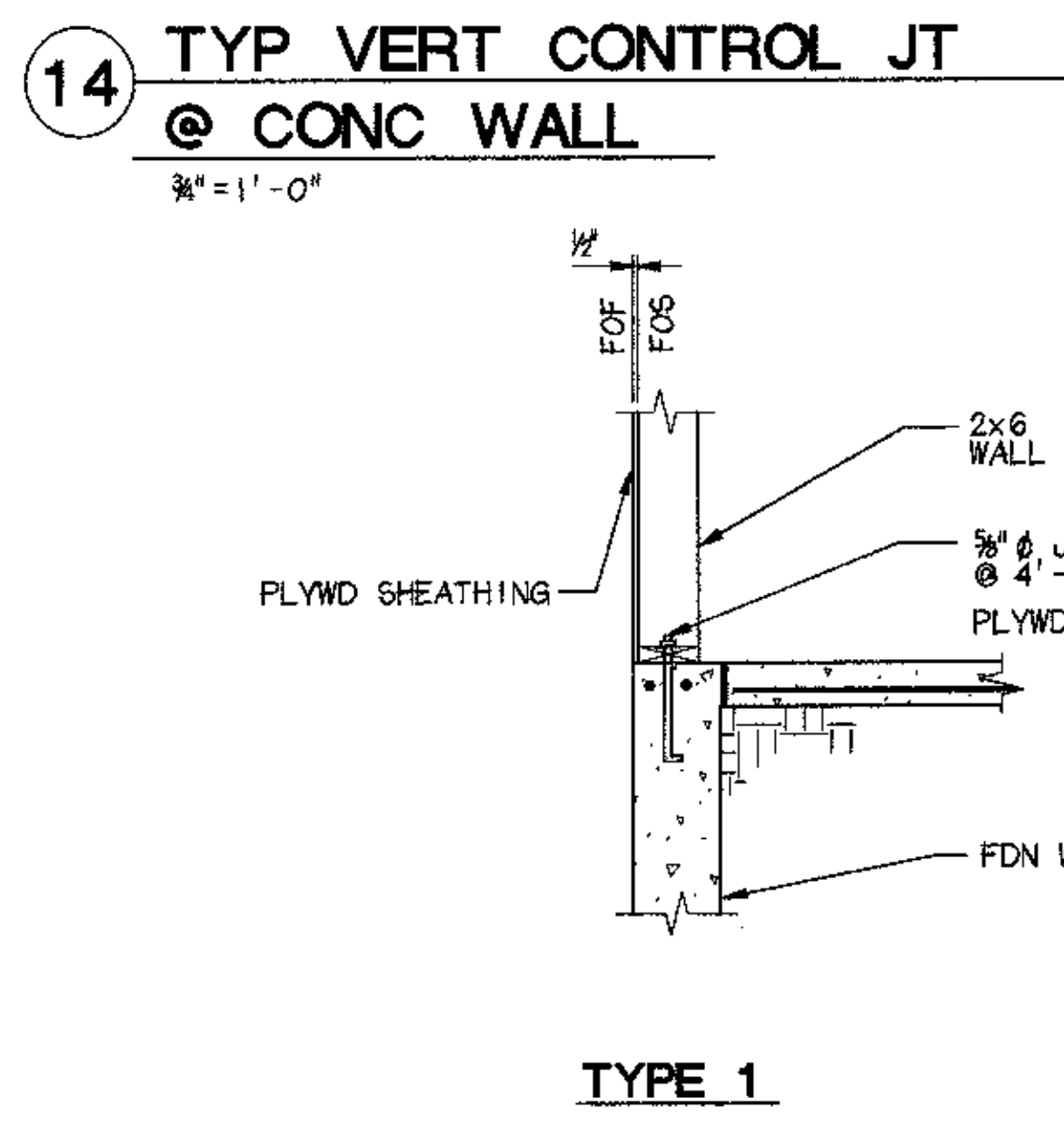
16 DETAIL
 3/4" = 1'-0"



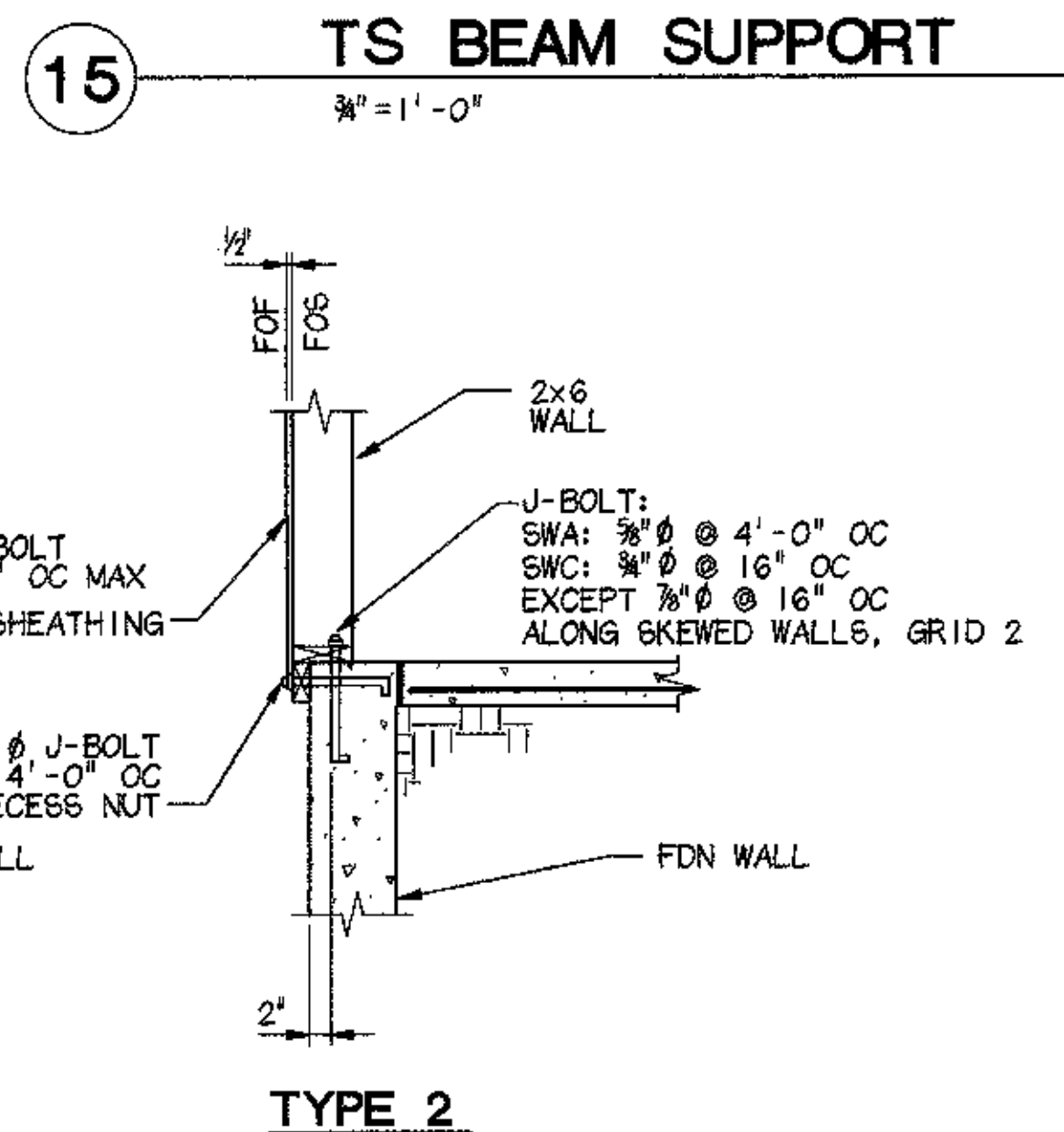
23 SECTION AT MECHANICAL PIT
 1/2" = 1'-0"



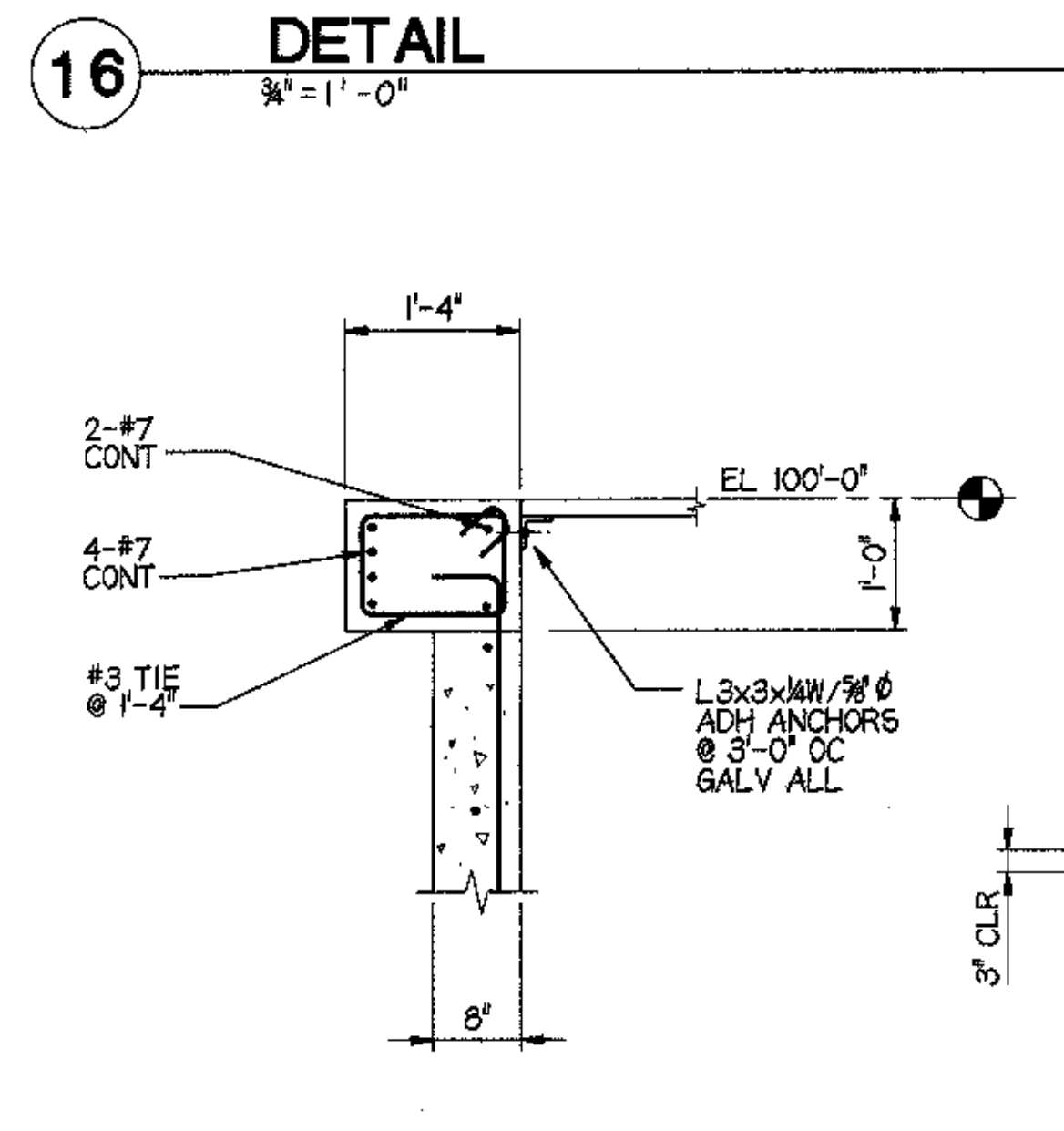
19 THICKENED SLAB
 3/4" = 1'-0"



20 SILL PLATE DETAILS
 3/4" = 1'-0"

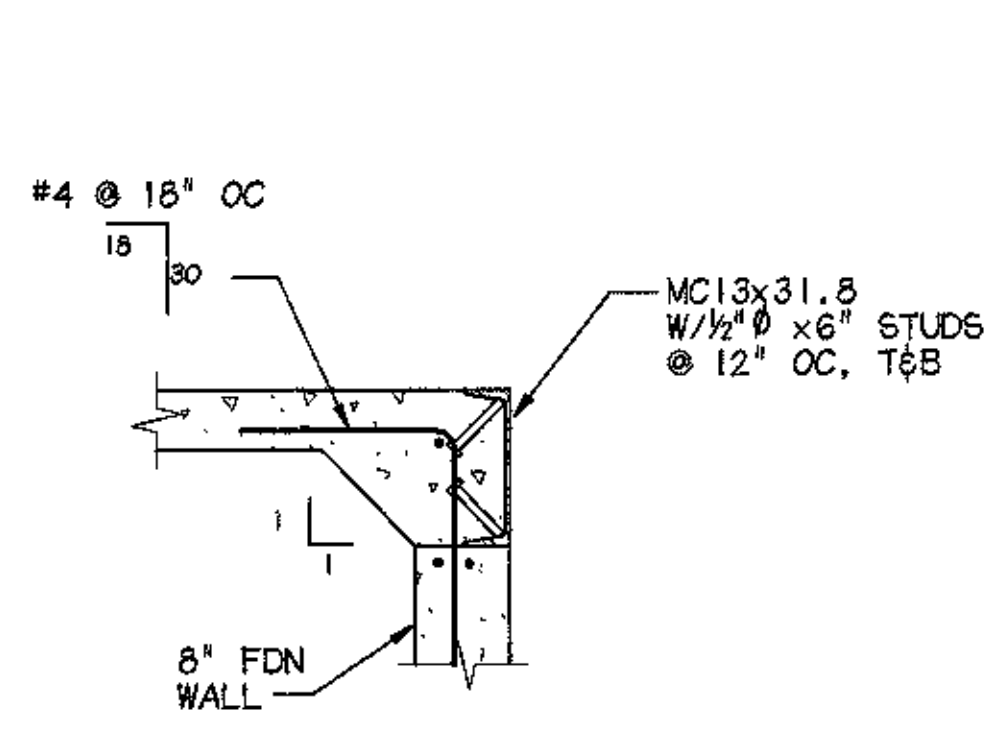


21 TOP OF RETAINING WALL
 3/4" = 1'-0"

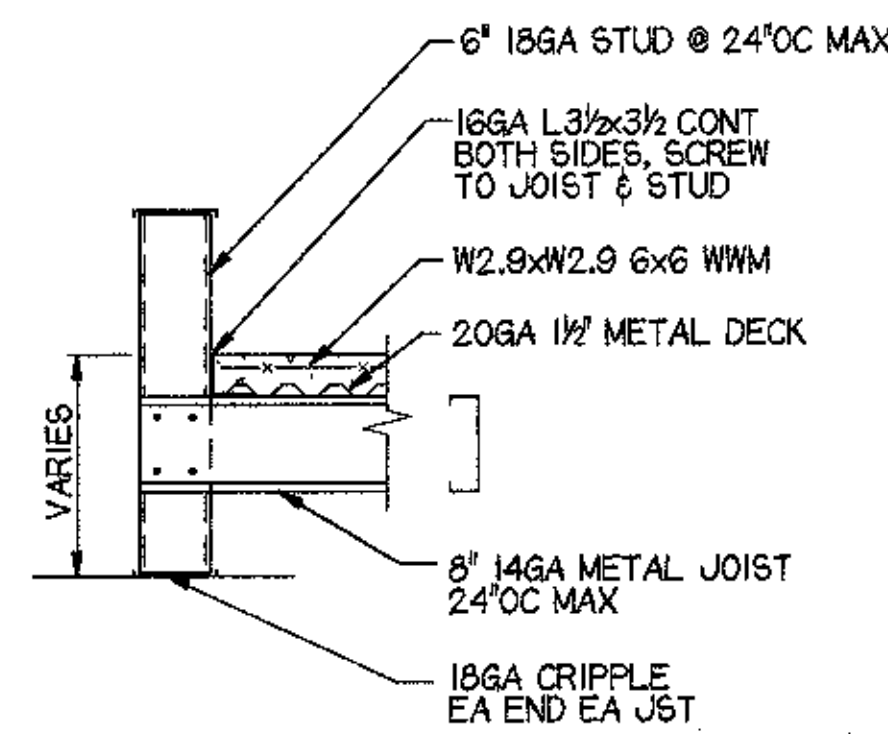


22 NORTH SIDE OF PIT
 3/4" = 1'-0"

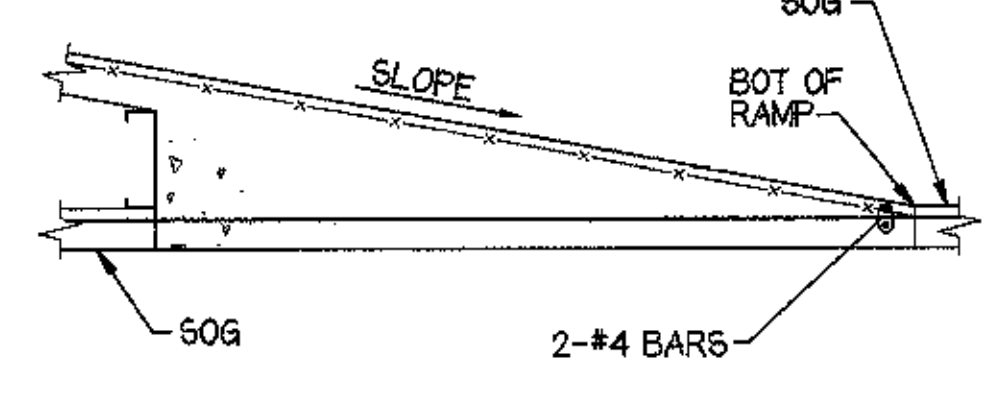
LAST PRINT DATE: 04/17/98
 15/000/95025/61/ANHCS4-LDGN



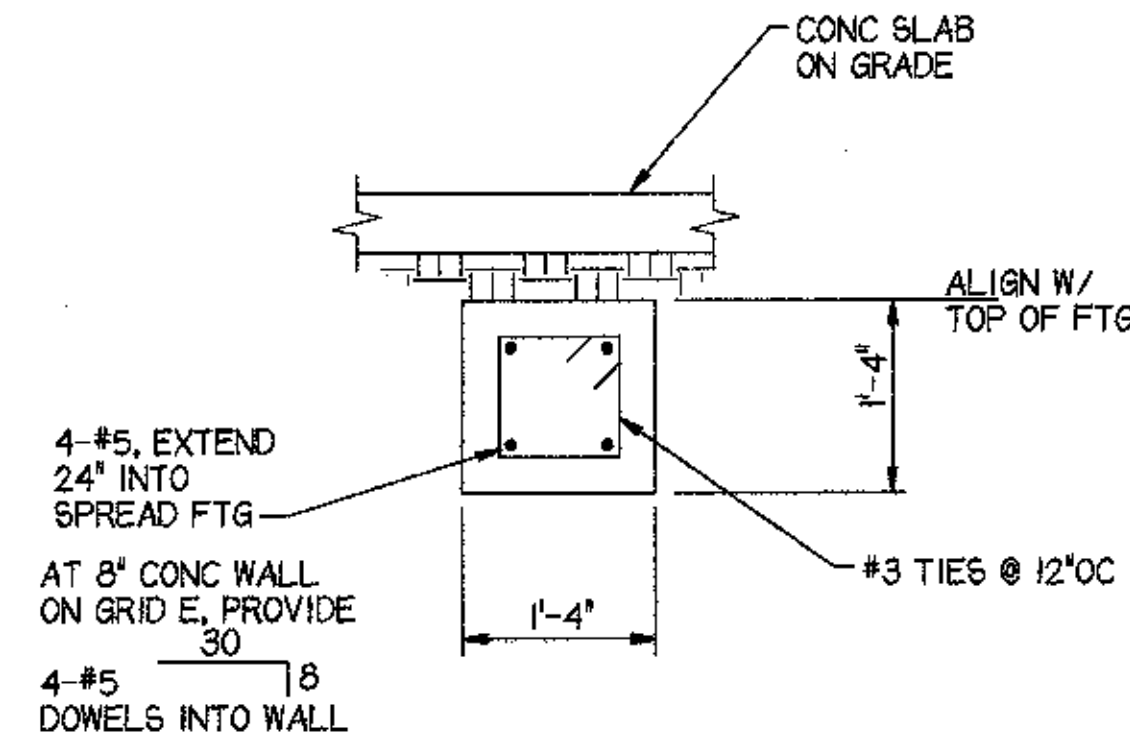
1 SECTION @ LOADING DOCK
3/4" = 1'-0"



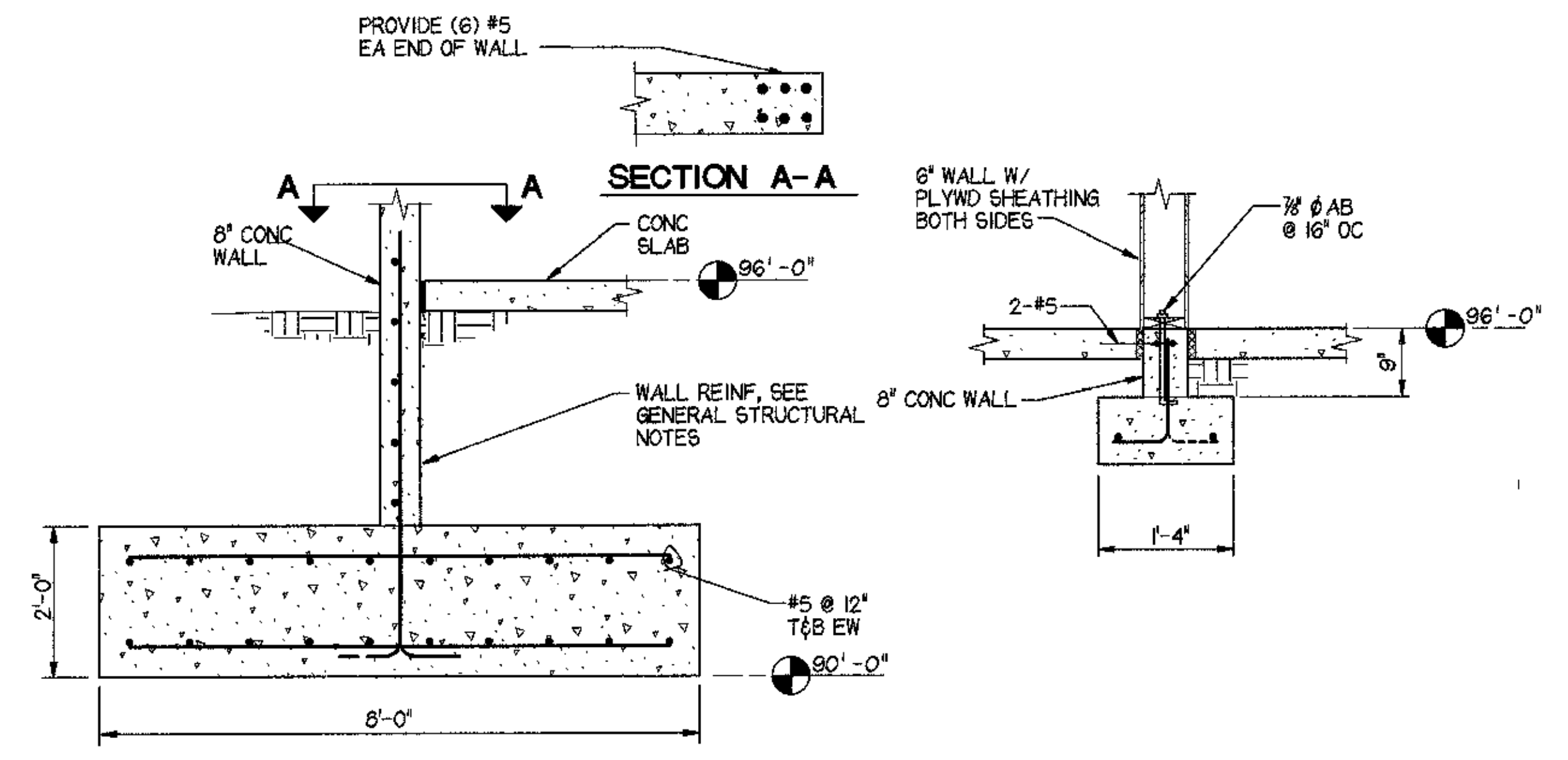
2 RAMP SECTION
3/4" = 1'-0"



3 RAMP END
3/4" = 1'-0"

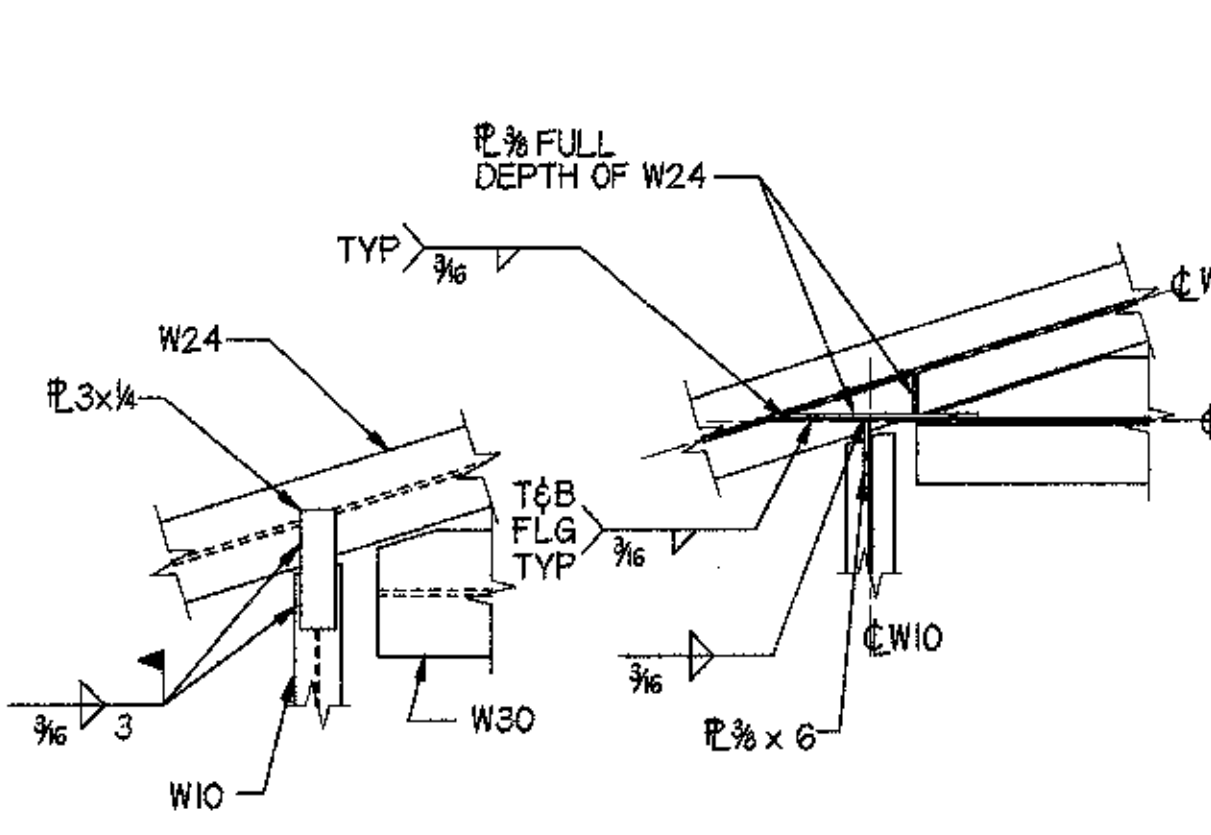


4 CONCRETE STRUT DETAIL
3/4" = 1'-0"

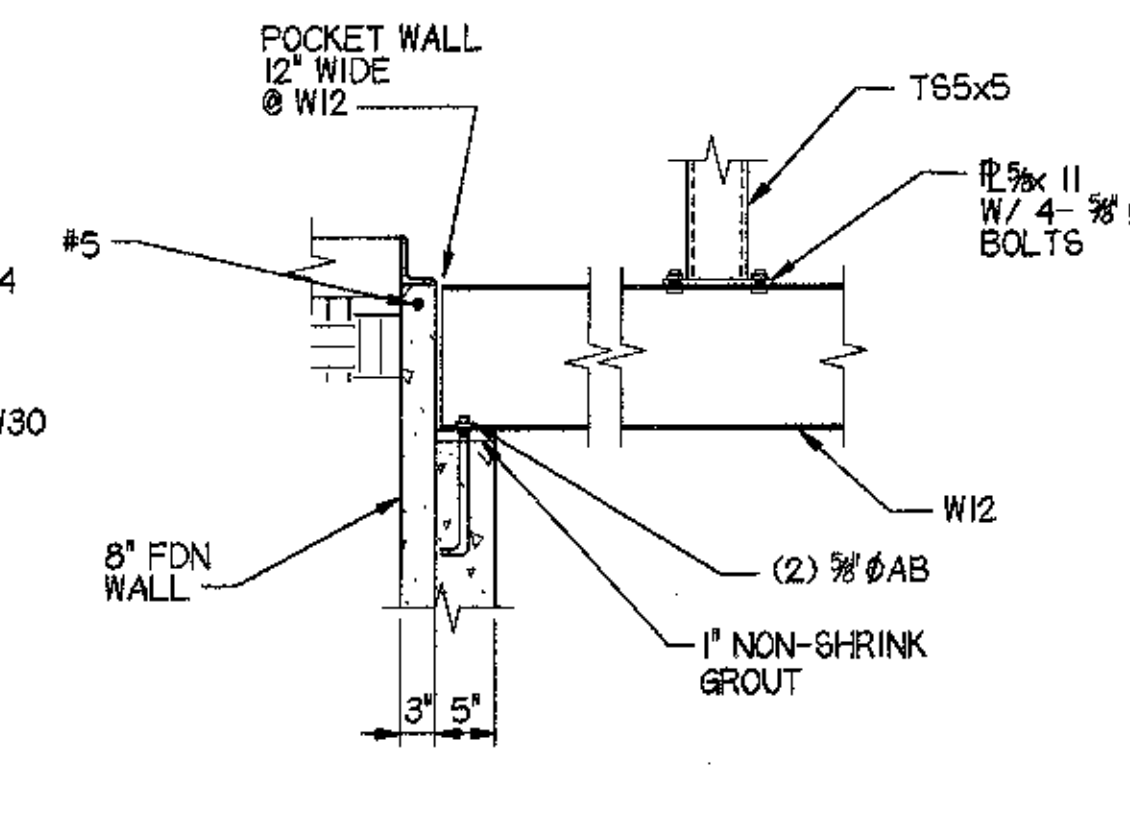


5 SECTION @ GRID 4 WALL
1/2" = 1'-0"

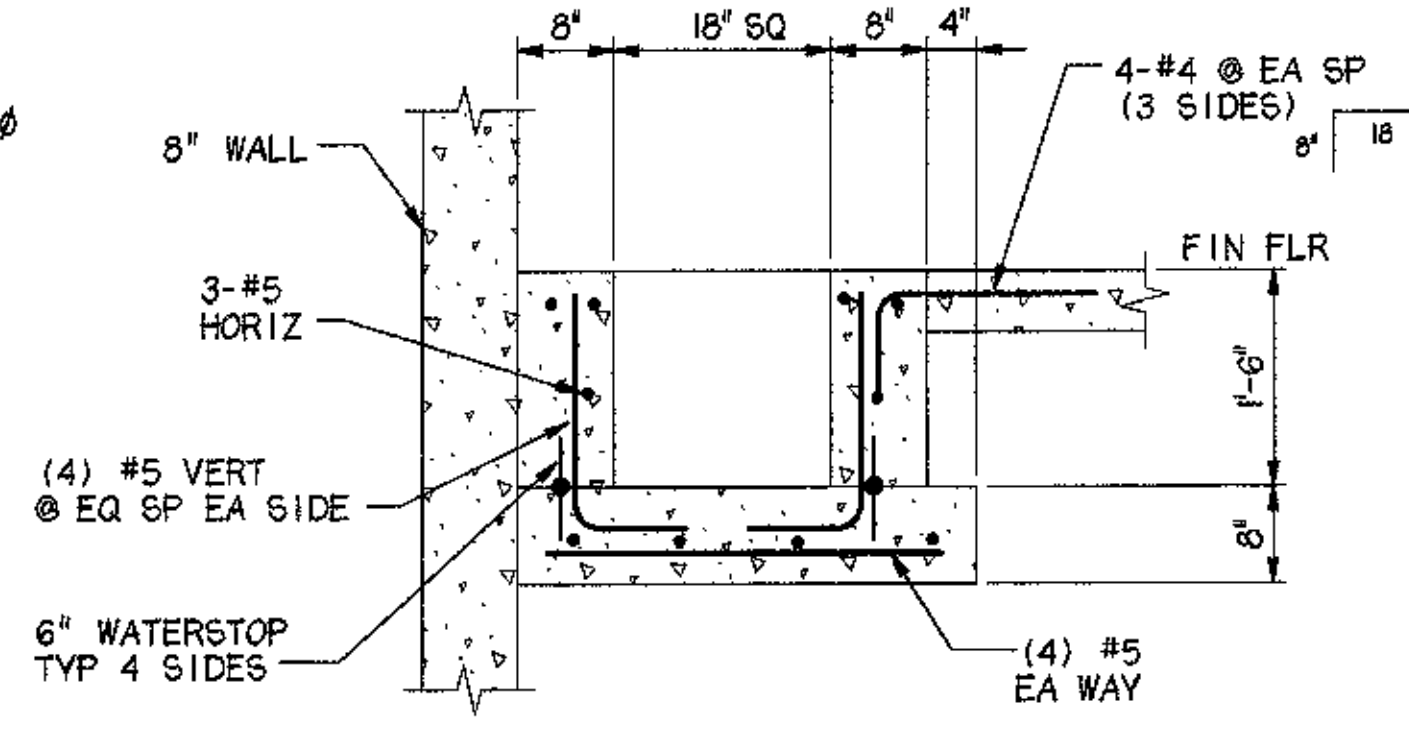
6 SECTION @ SKEWED WALL
3/4" = 1'-0"



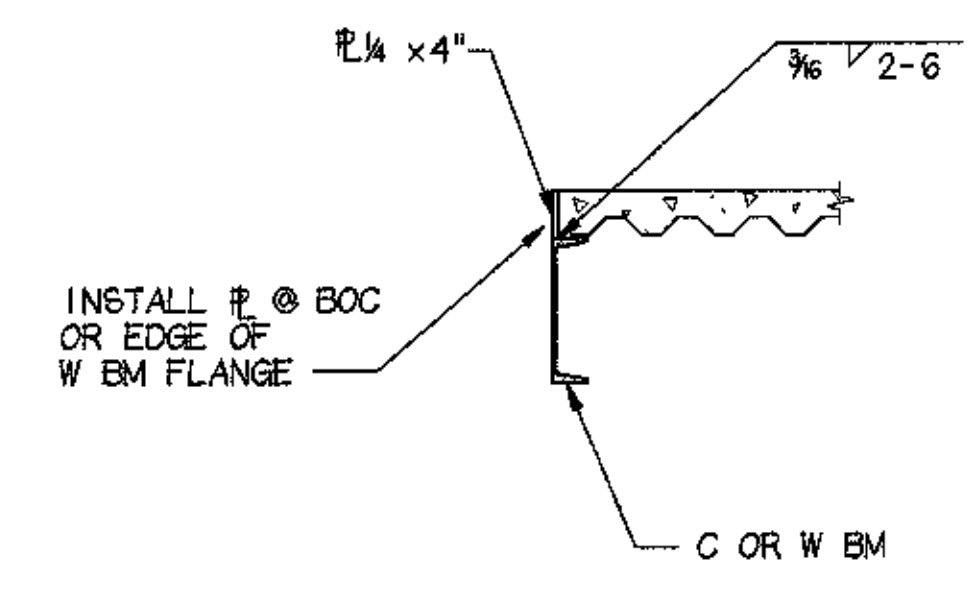
7 W30 STRUT CONN DET
3/4" = 1'-0"



8 SECTION @ W12
3/4" = 1'-0"



9 SECTION @ SUMP
3/4" = 1'-0"



10 SLAB OPENING
3/4" = 1'-0"



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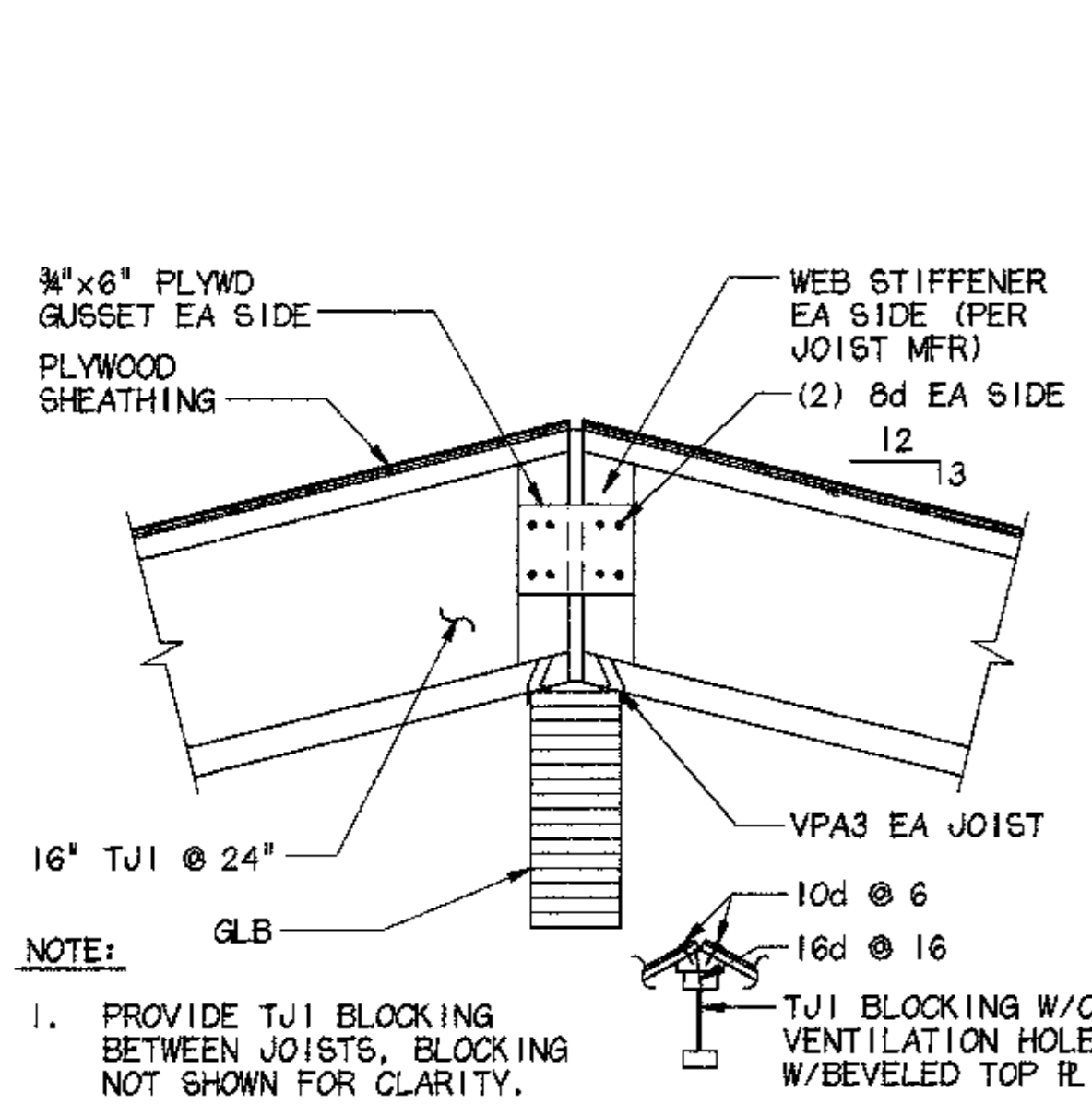
ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
FOUNDATION SECTIONS AND DETAILS

Revisions

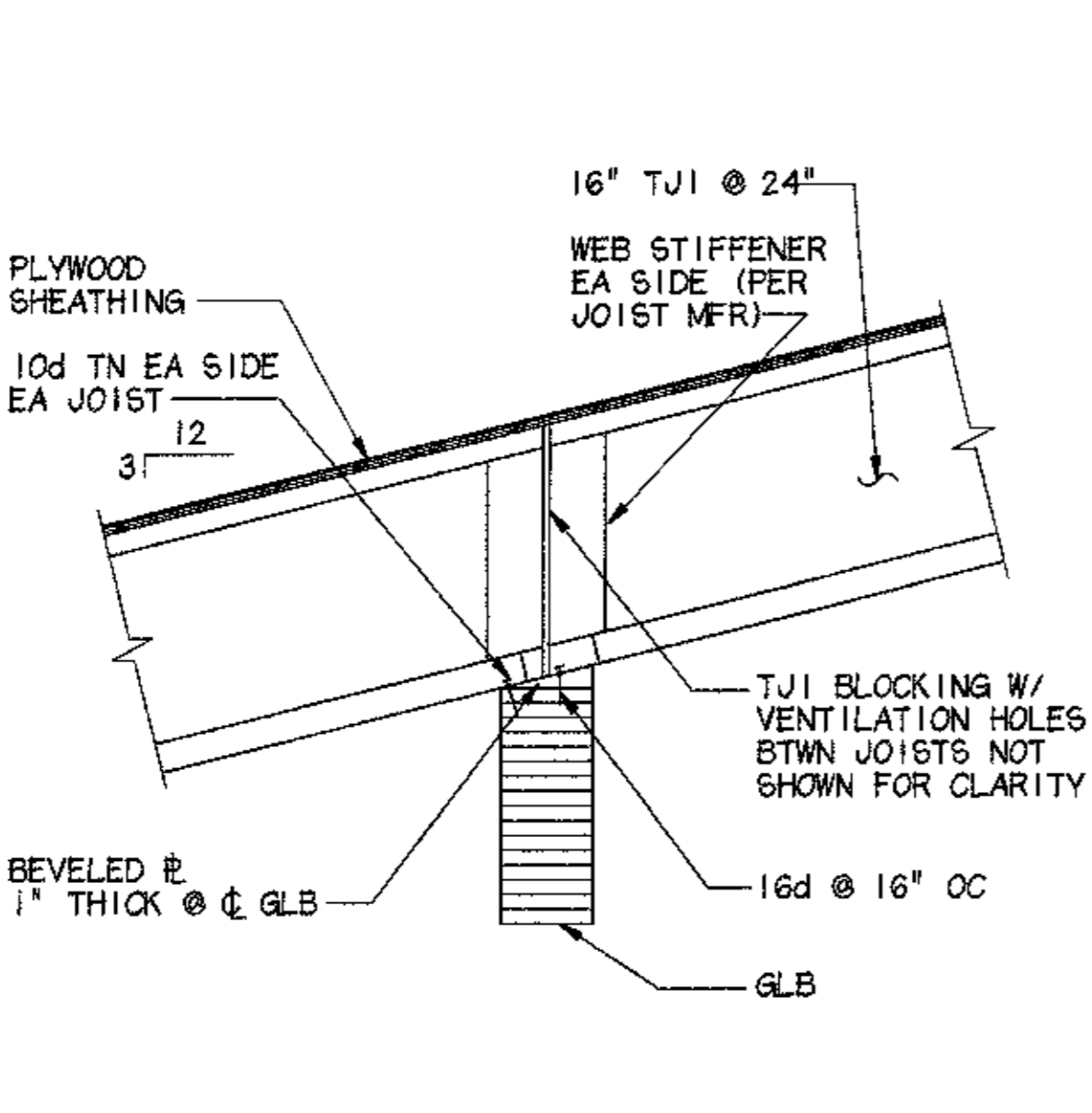
CONFORMED DRAWINGS

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Drawn KLA, CIM
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Job No. 9525.61

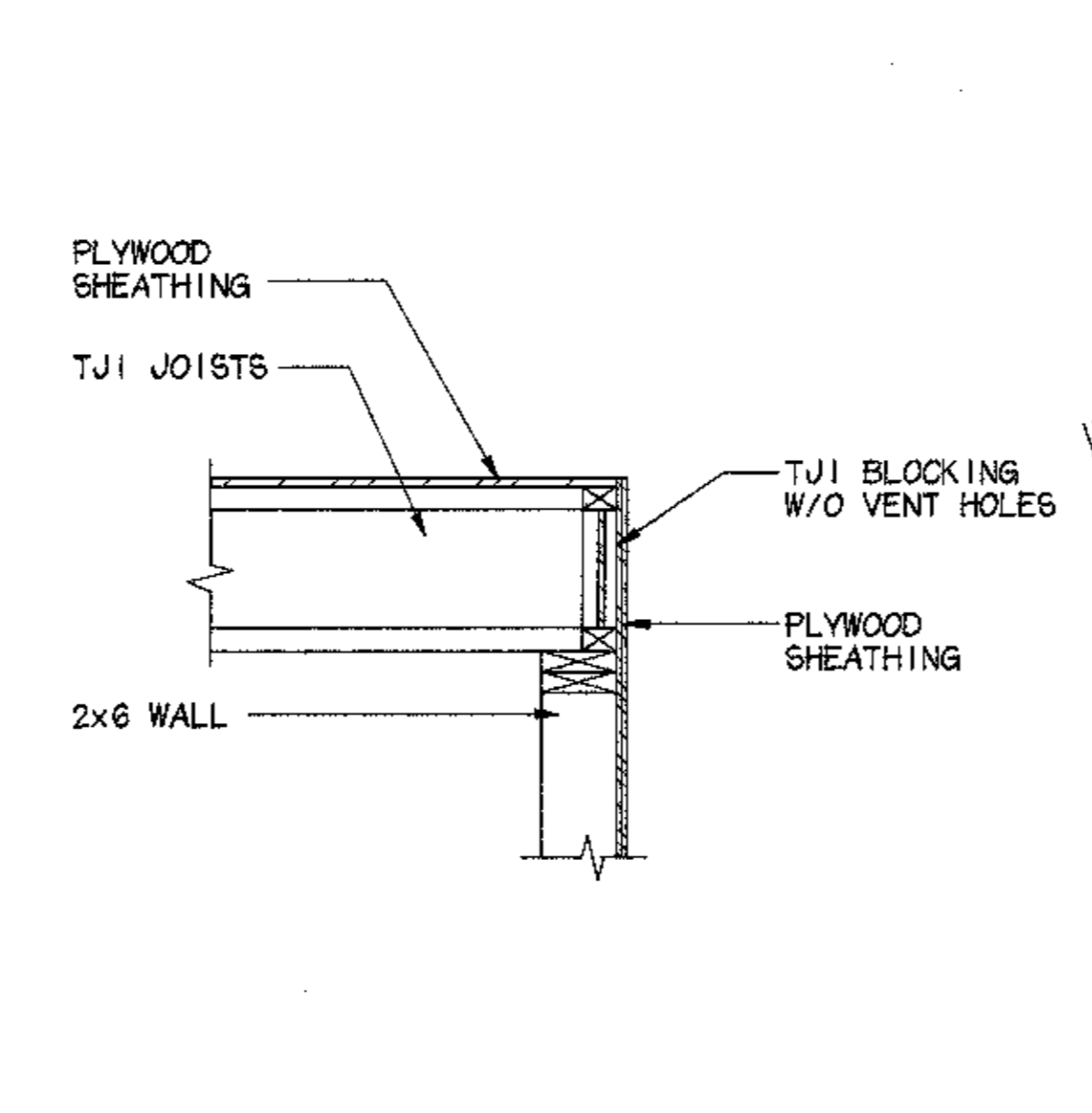
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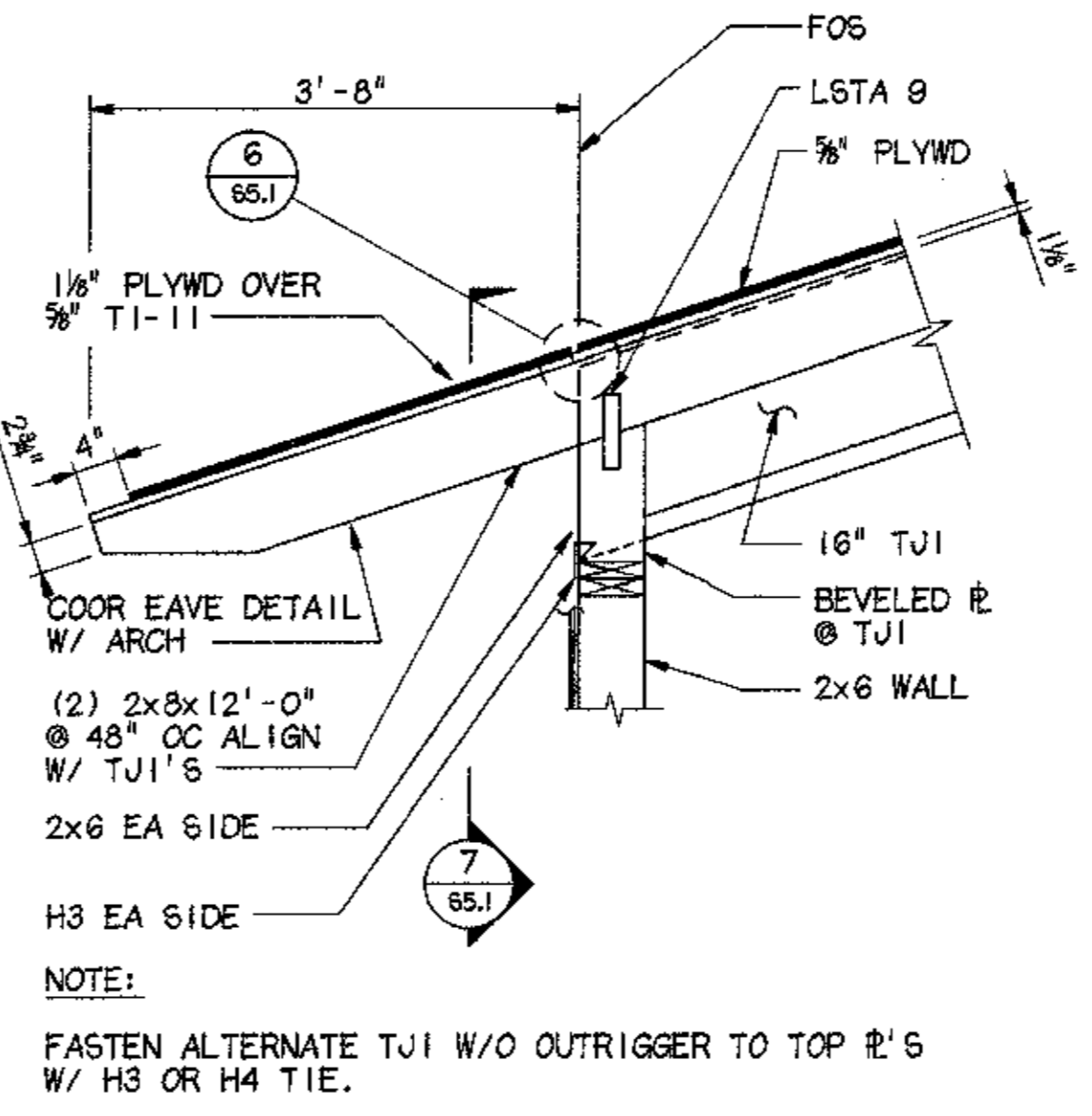
1 SECTION @ RIDGE
1'-1'-0"



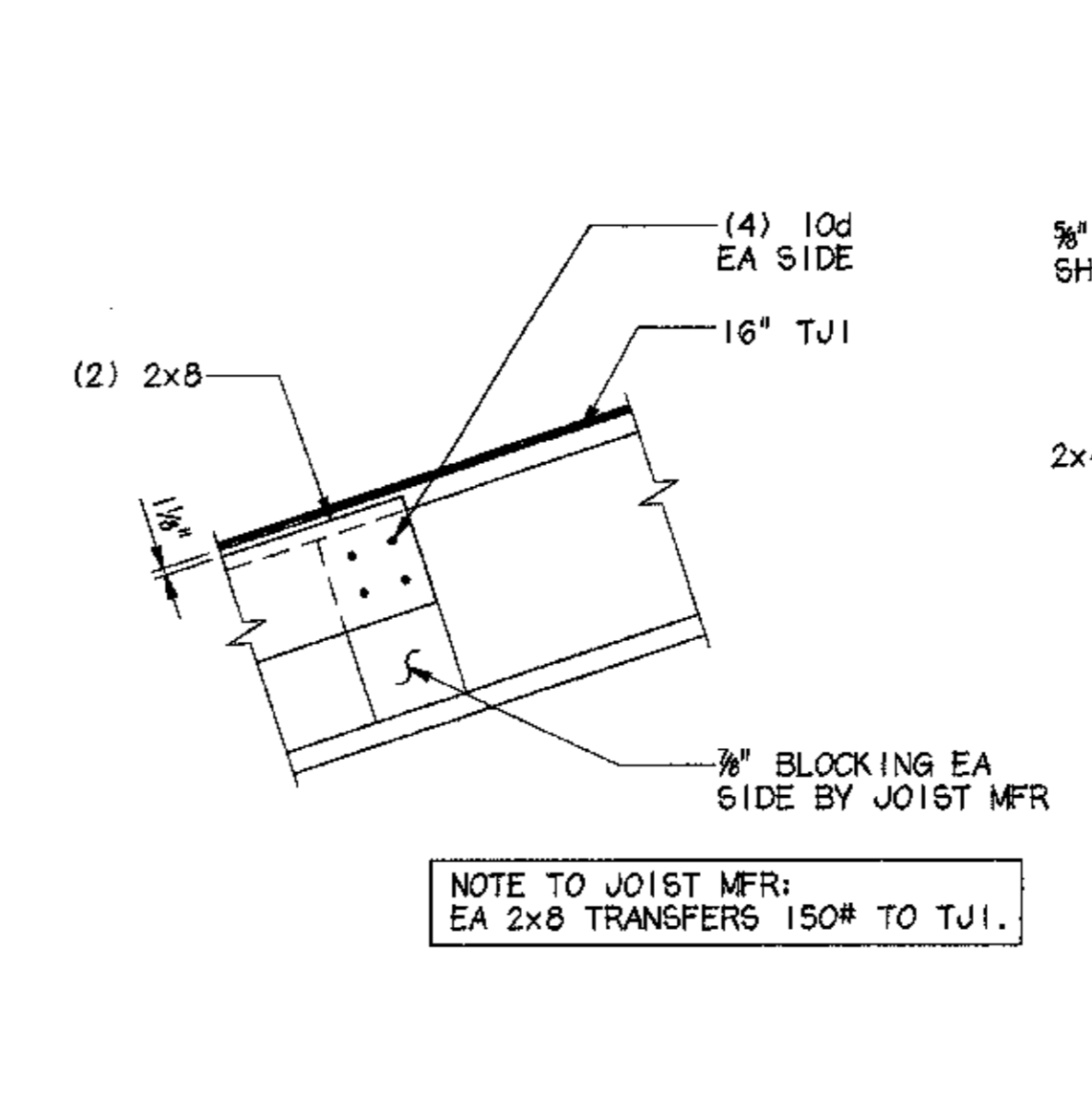
2 SECTION @ BEAM
3/4'-1'-0"



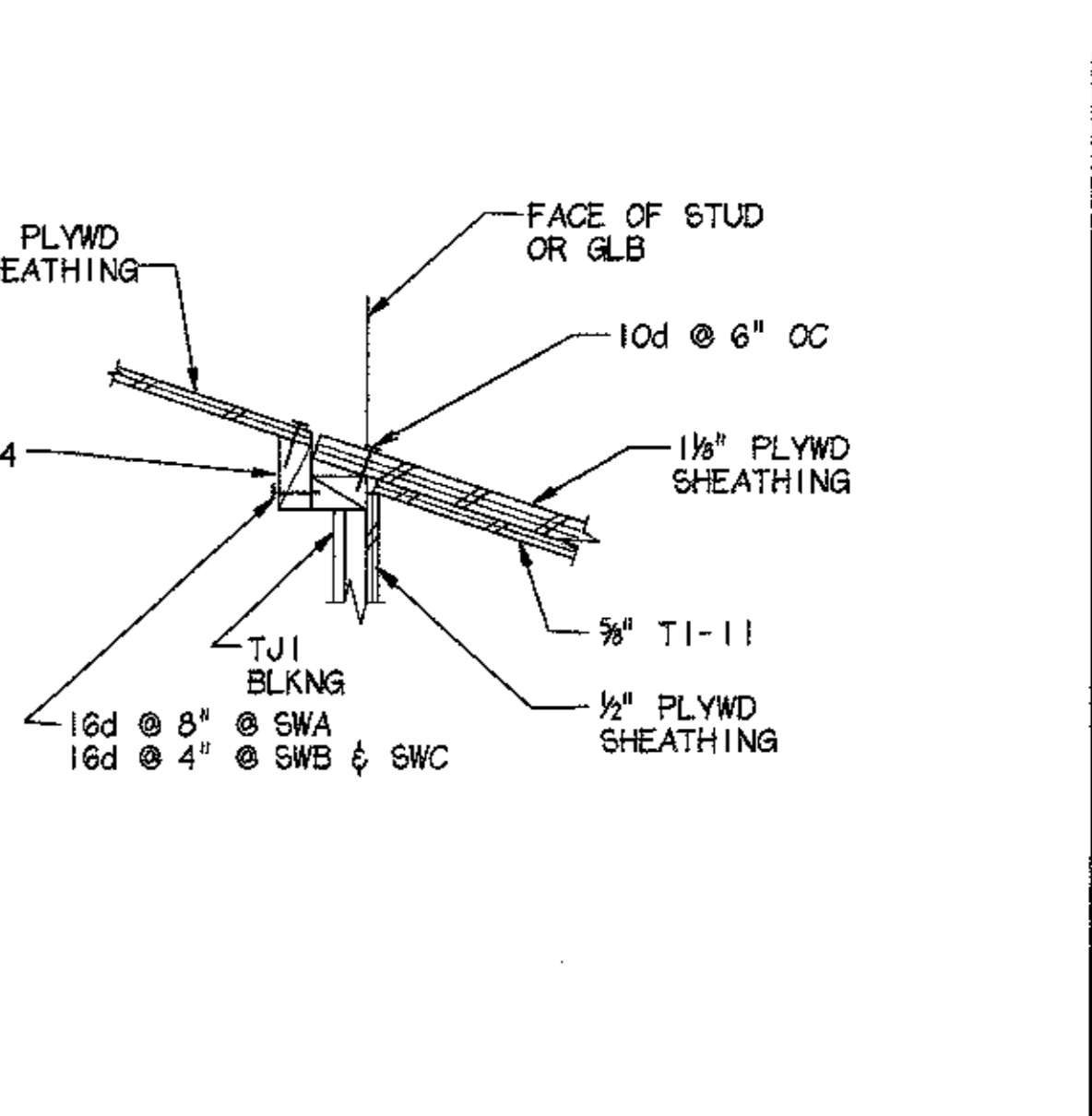
3 SECTION @ EAVE
1'-1'-0"



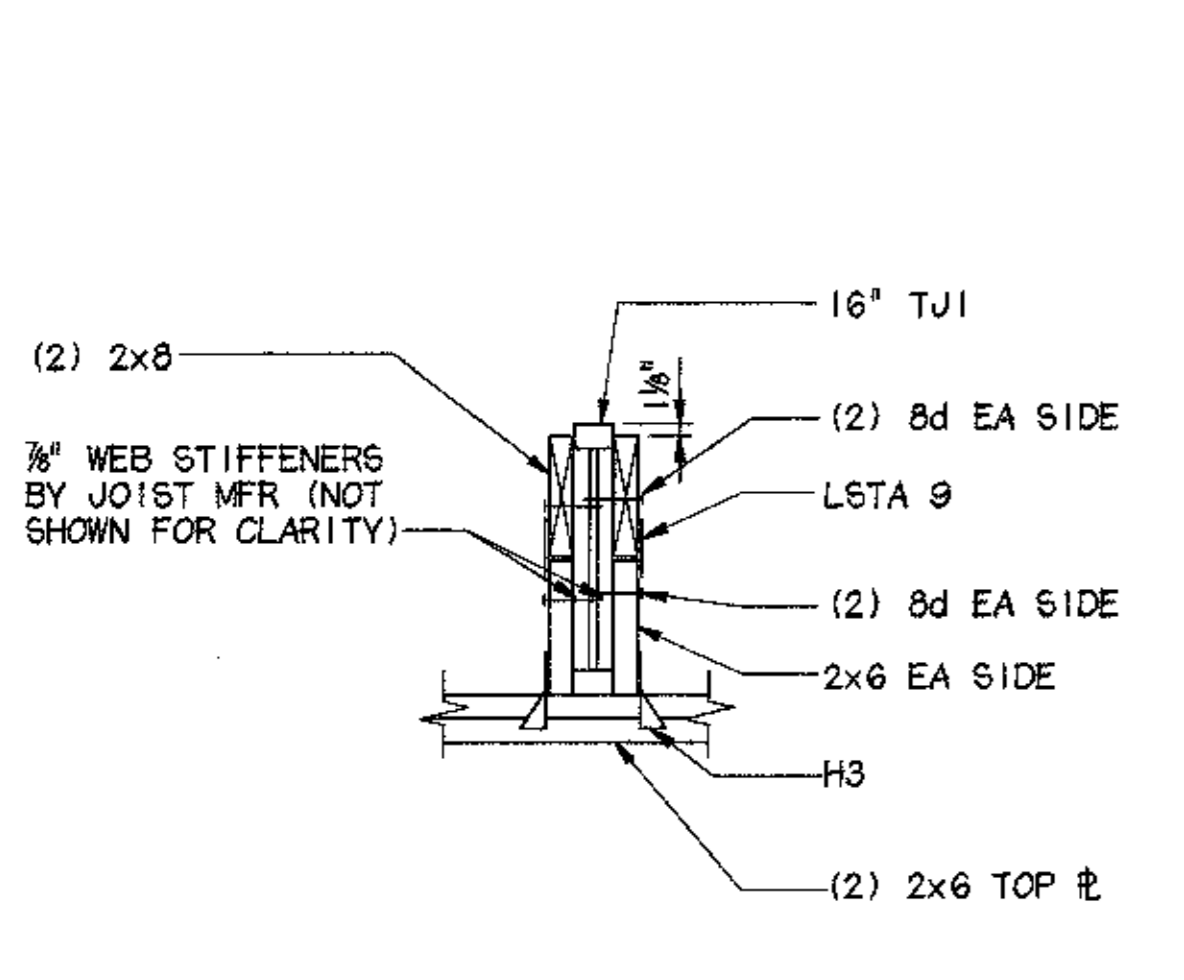
4 SECTION @ OUTRIGGER
3/4'-1'-0"



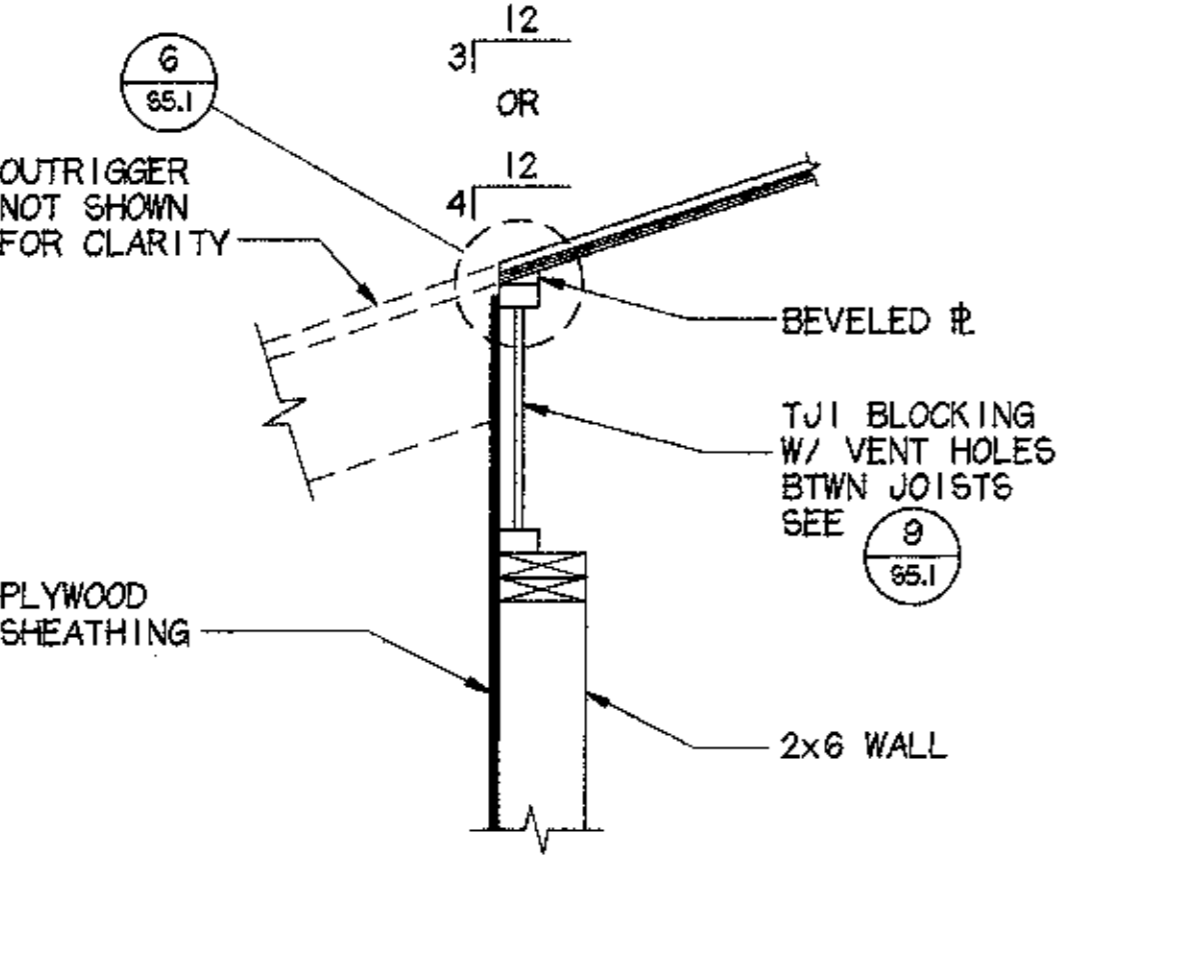
5 OUTRIGGER CONN
1'-1'-0"



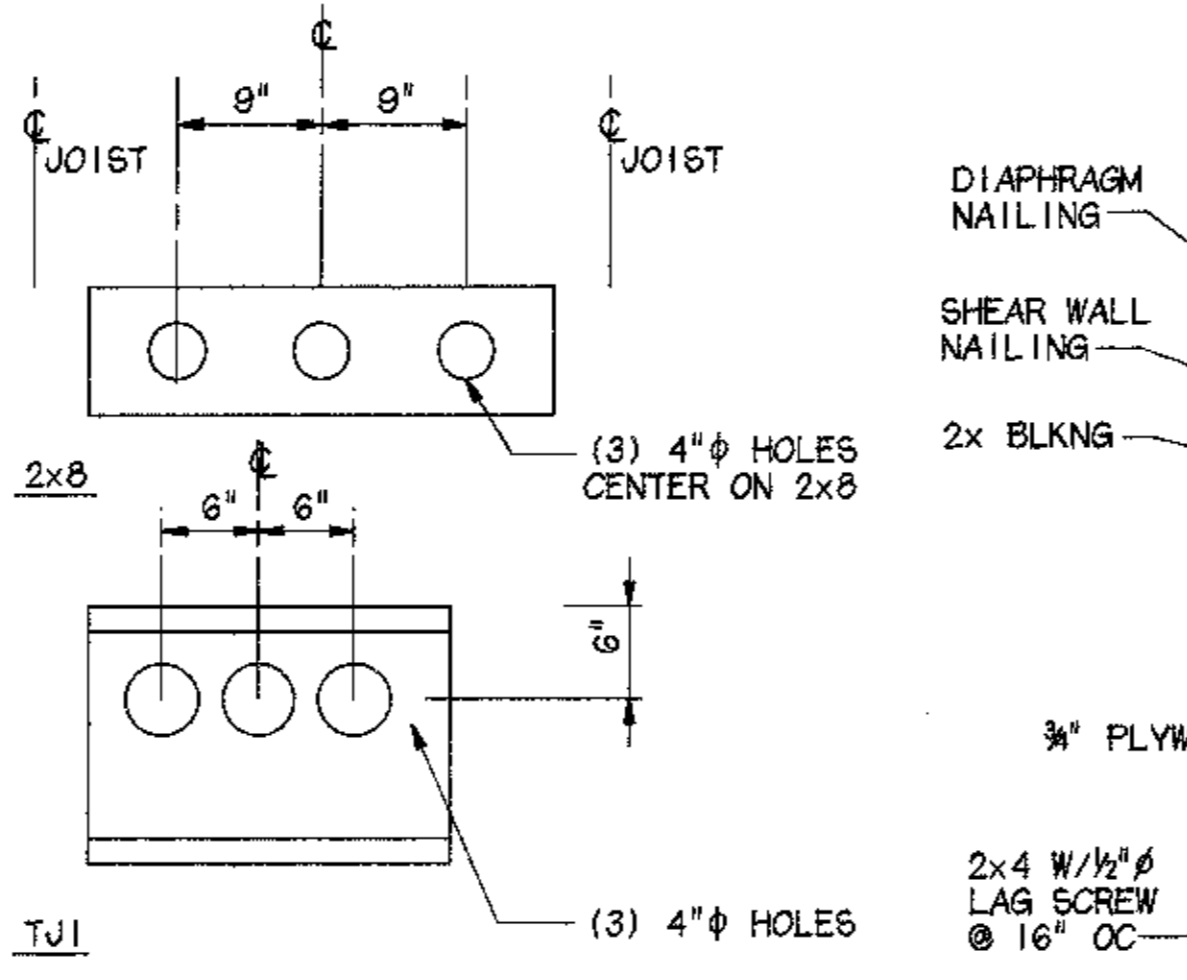
6 DETAIL
1/2'-1'-0"



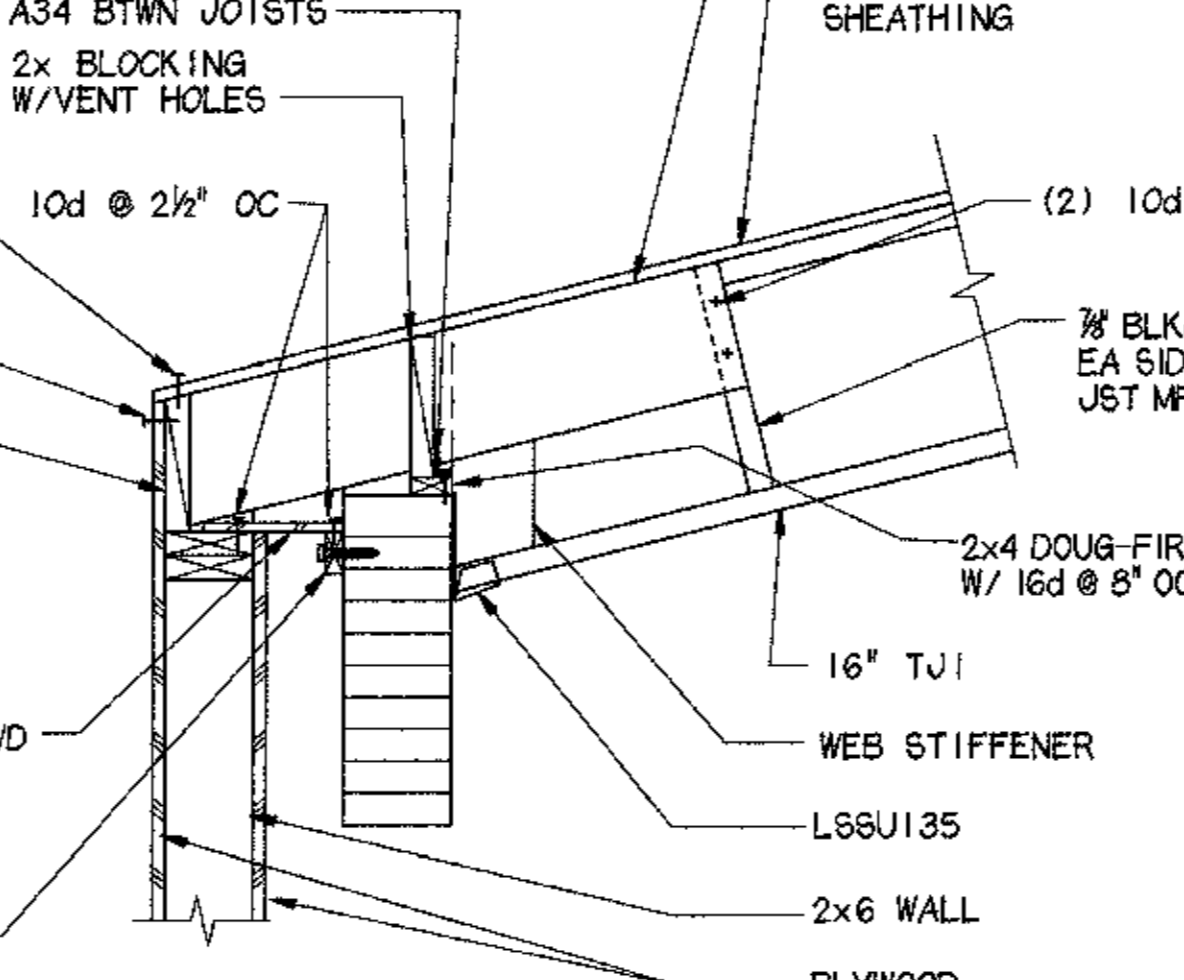
7 SECTION @ OUTRIGGER
1'-1'-0"



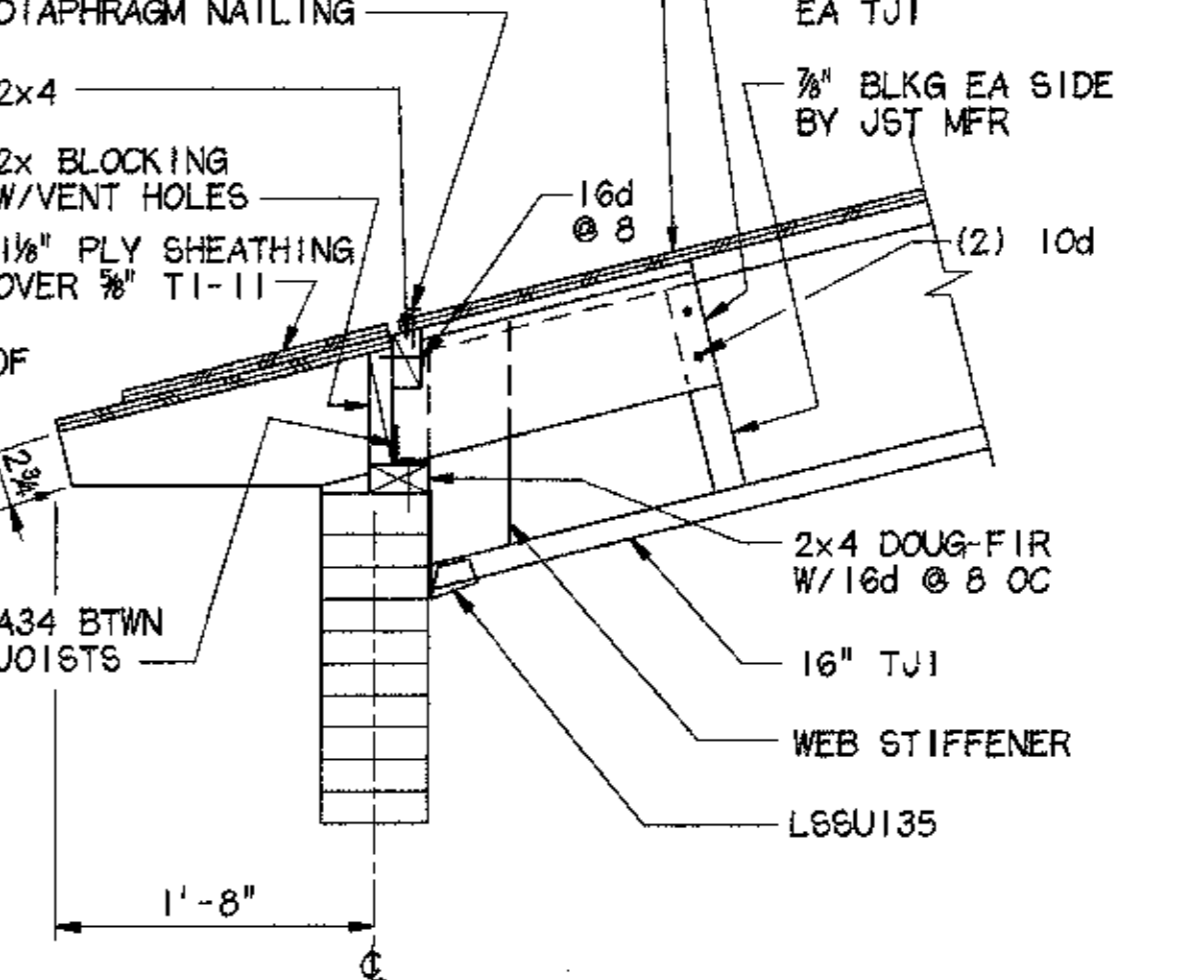
8 BLOCKING @ EAVE
1'-1'-0"



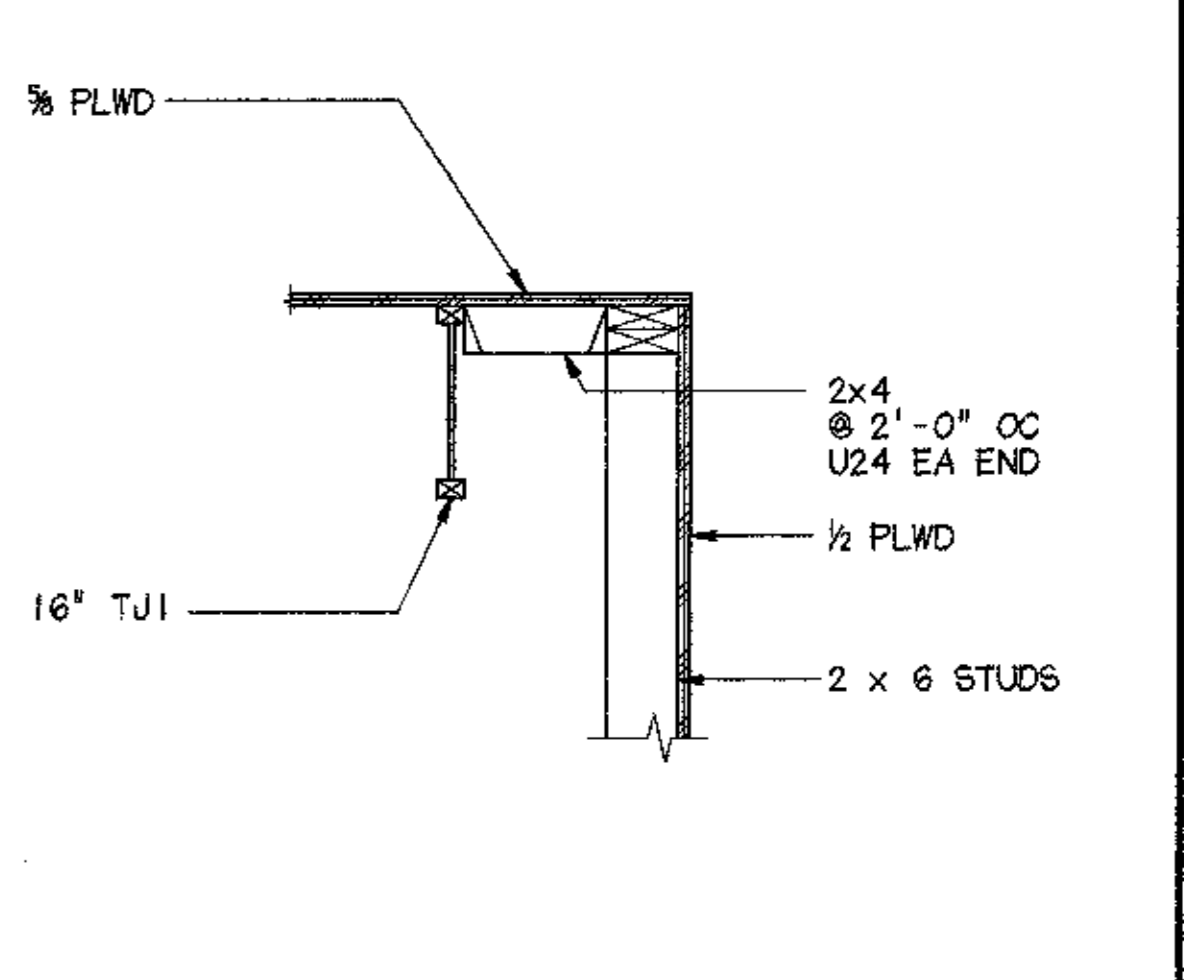
9 BLOCKING DETAIL
1'-1'-0"



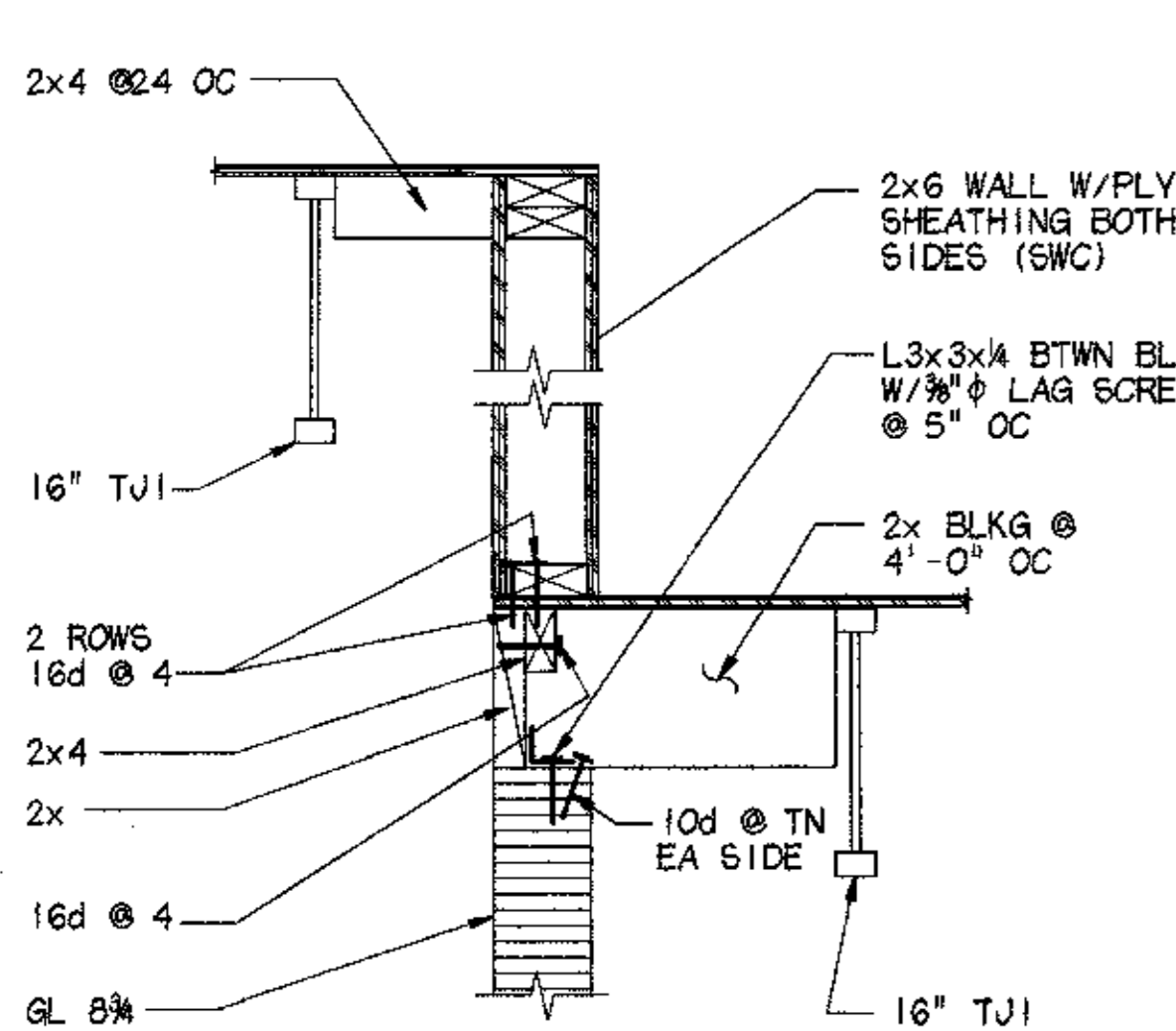
10 SECTION @ EAVE
1'-1'-0"



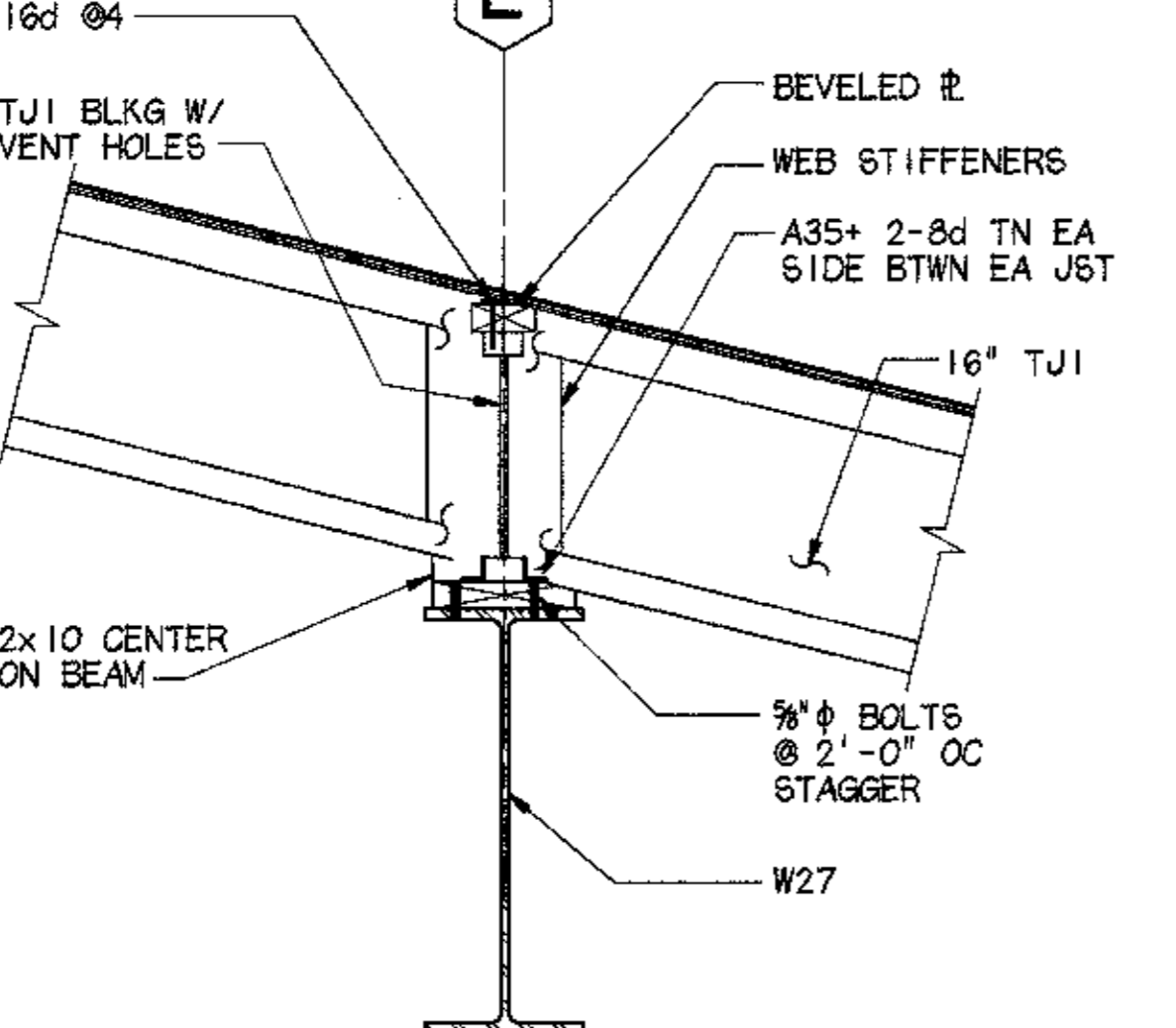
11 SECTION @ EAVE
1'-1'-0"



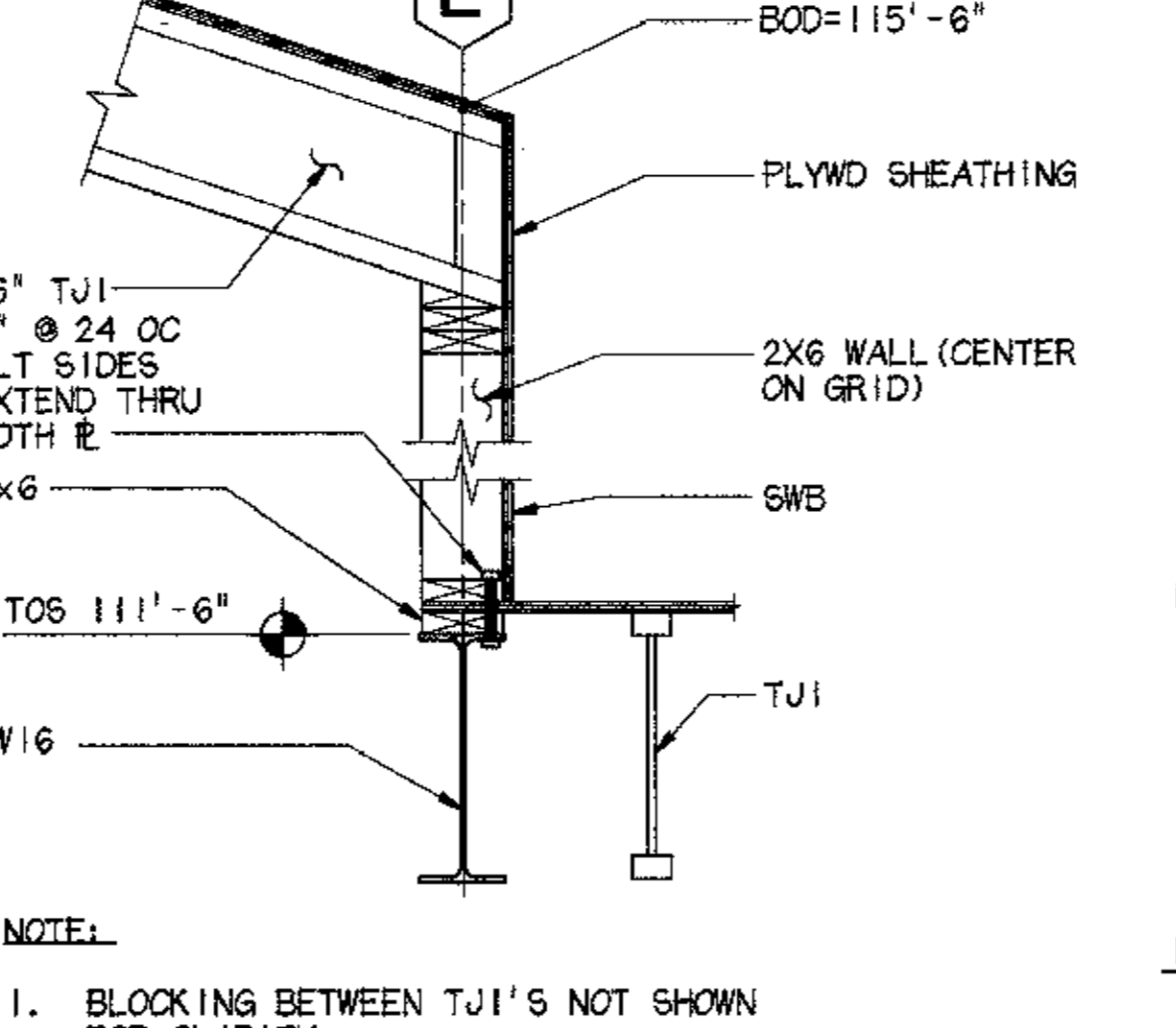
12 TYP SECTION @ PLWD WEB ROOF JST TO WALL CONN
1'-1'-0"



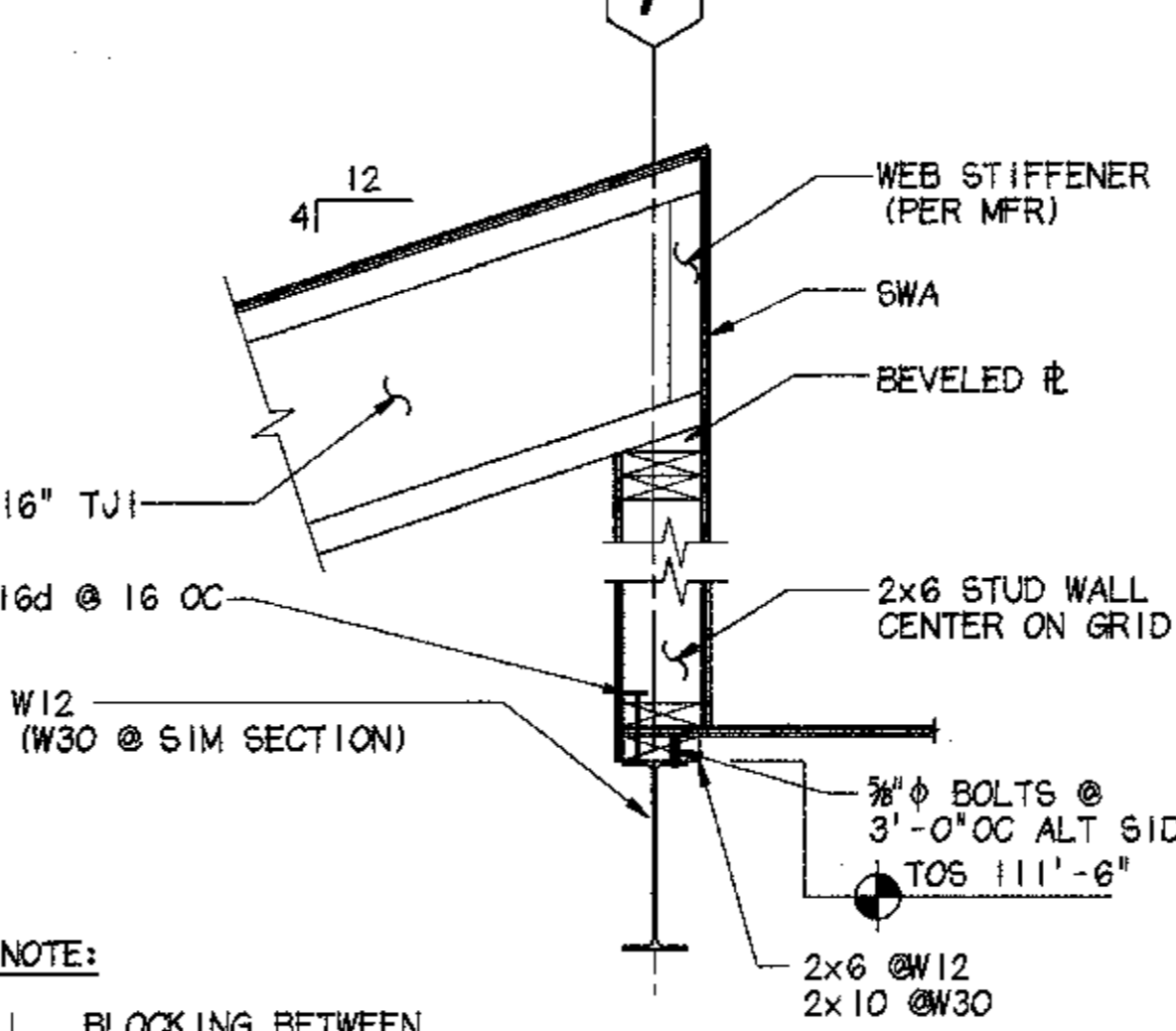
13 SECTION @ CLERESTORY
1'-1'-0"



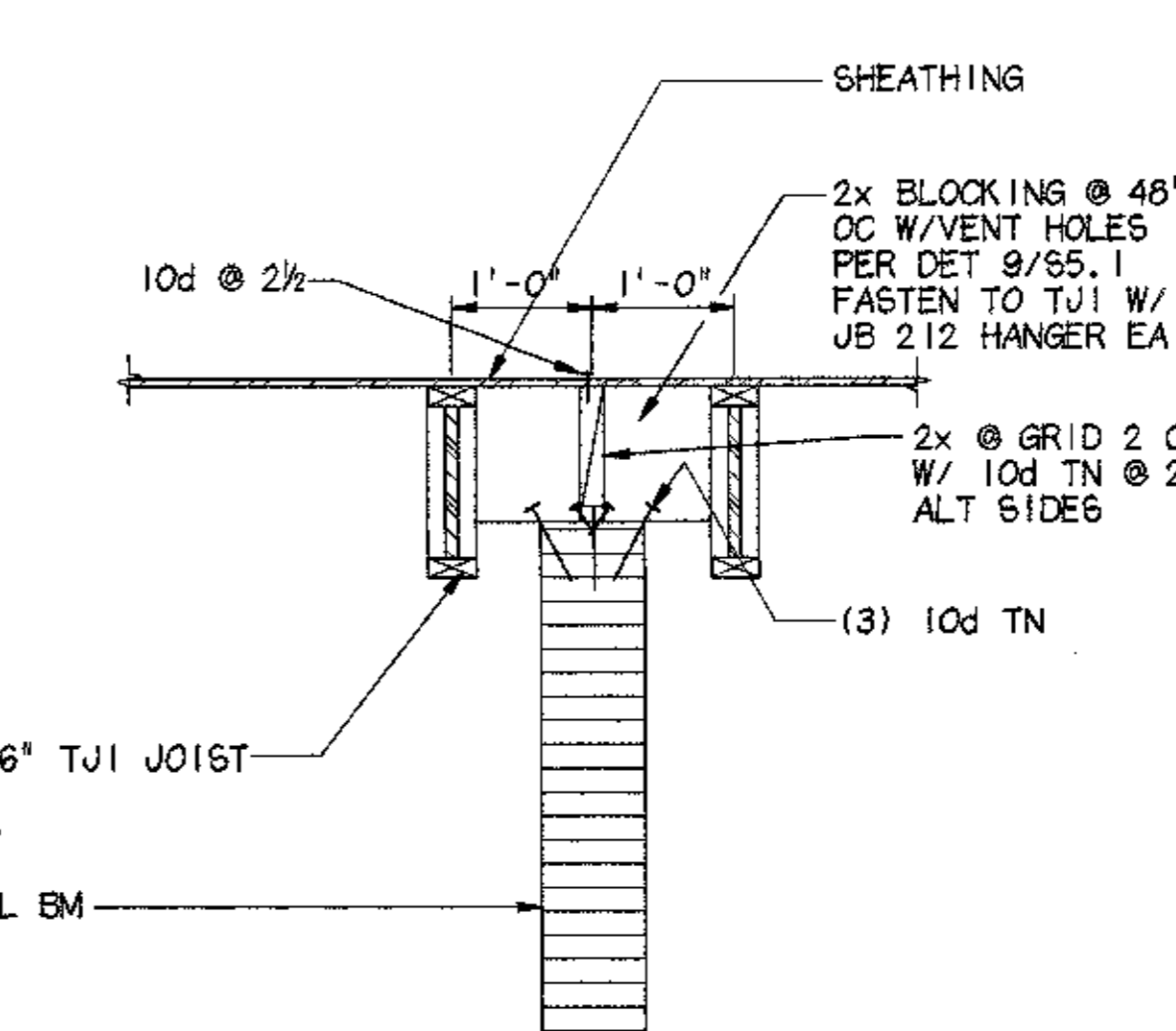
14 SECTION @ EAVE
1'-1'-0"



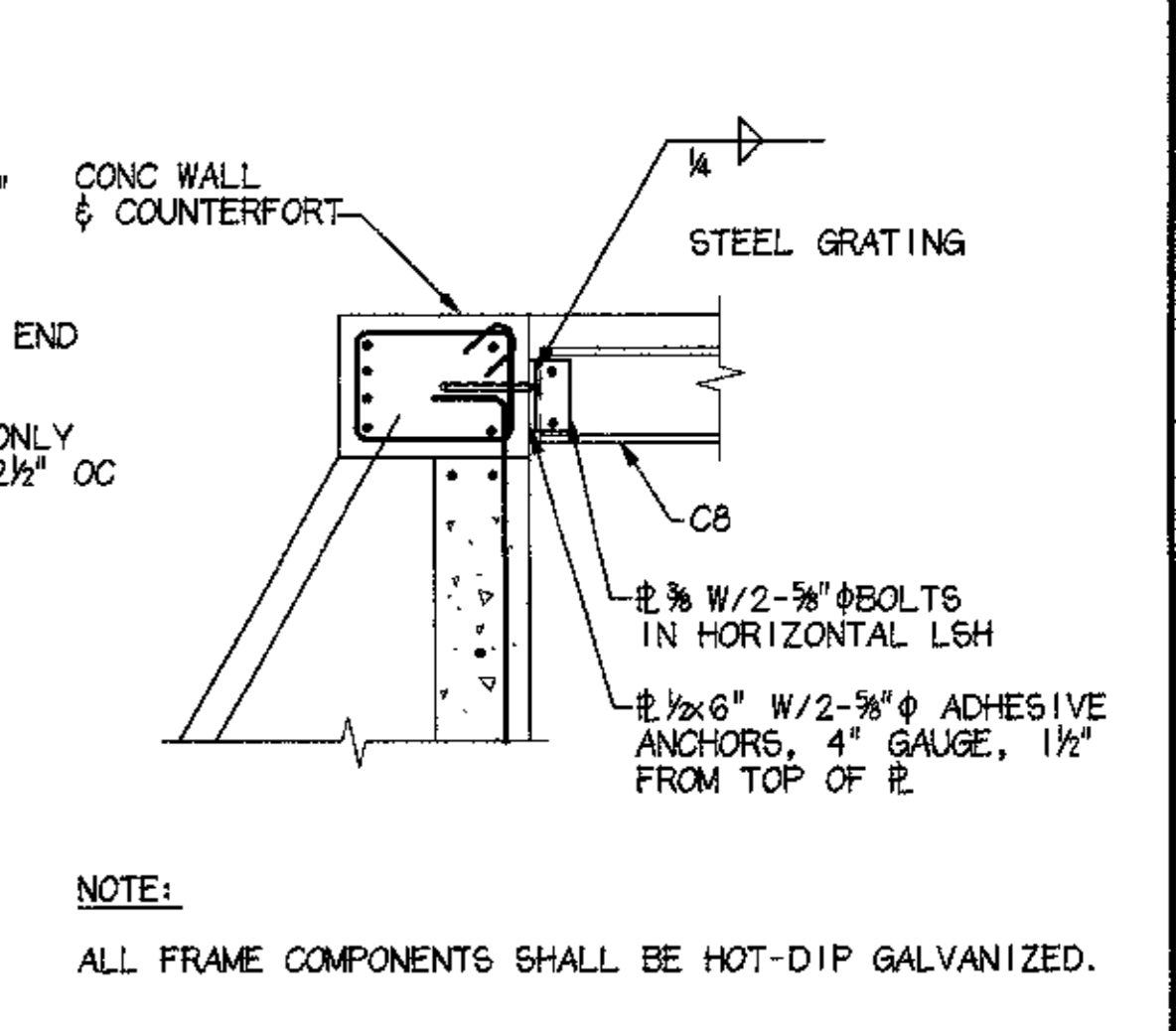
15 SECTION @ ROOF
1'-1'-0"



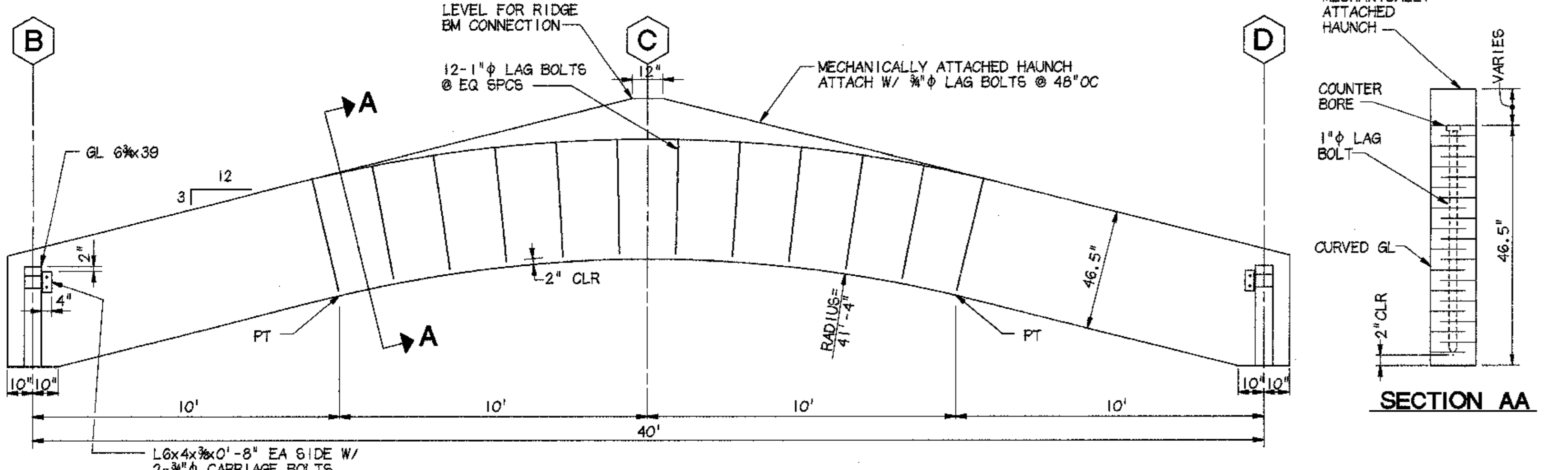
16 SECTION
1'-1'-0"



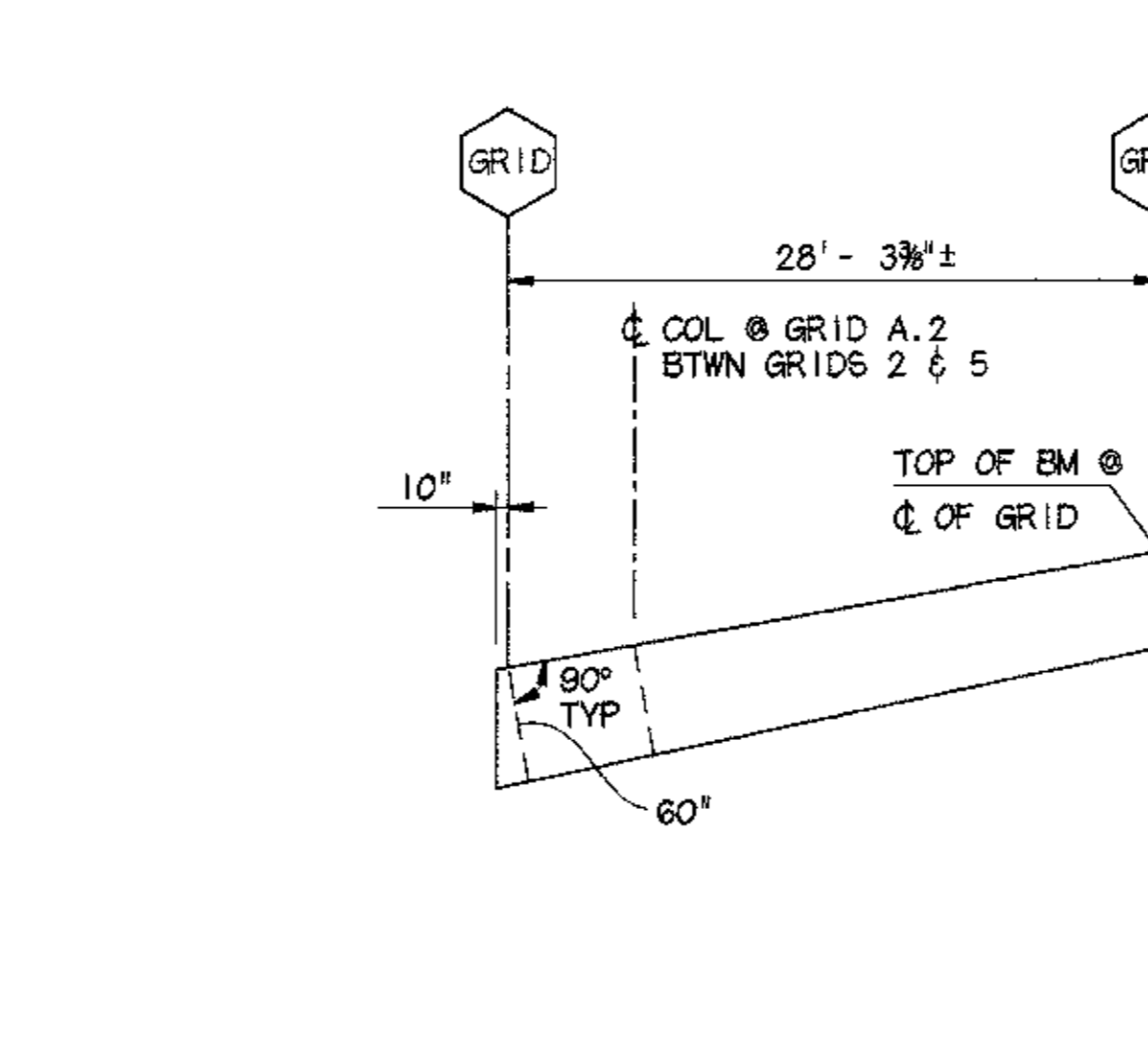
17 SECTION @ CURVED GLB
3/4'-1'-0"



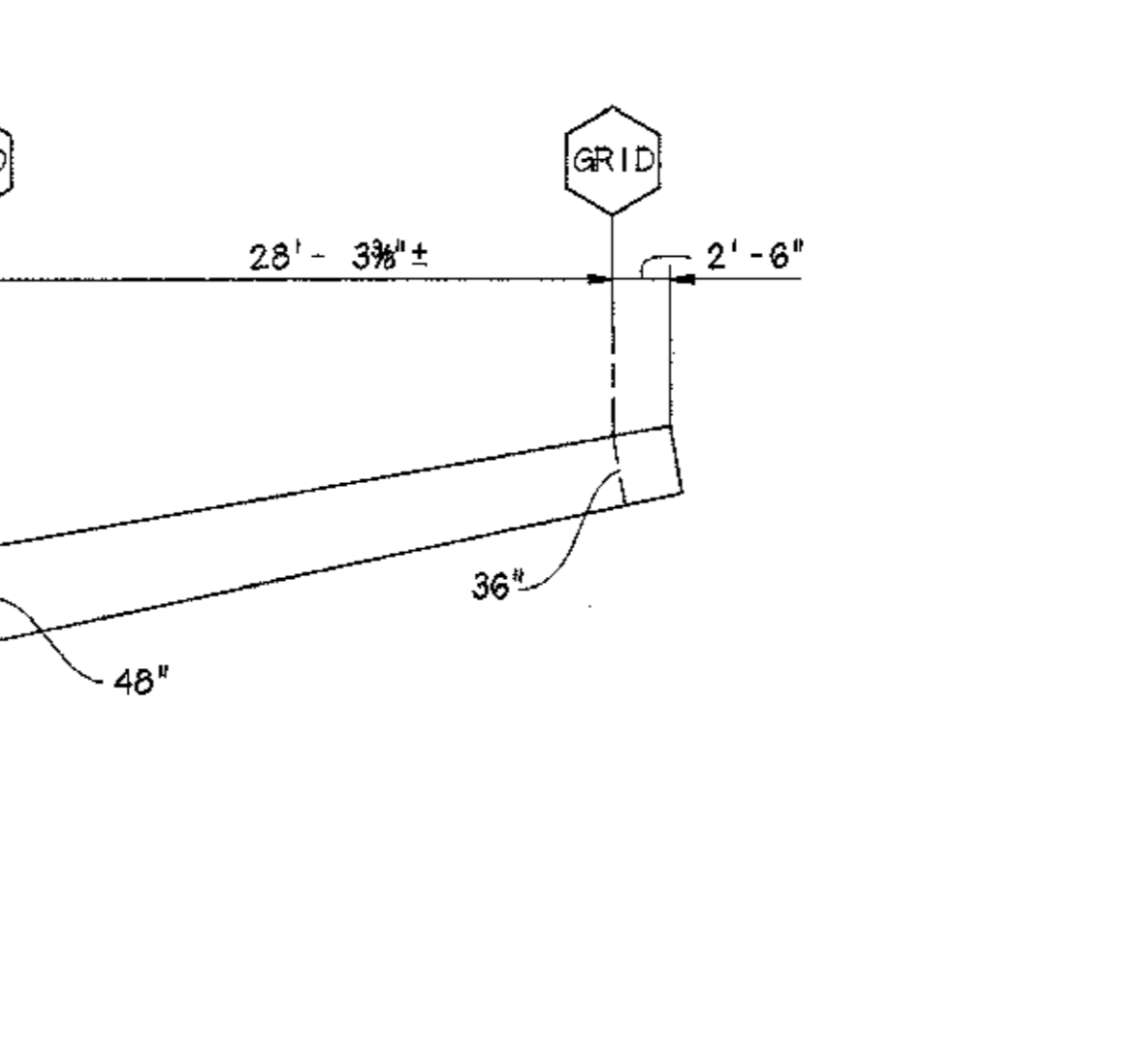
18 FRAME TO WALL CONN AT VENT PIT
3/4'-1'-0"



19 CURVED BEAM SECTION
3/4'-1'-0"



20 TAPERED BEAM
3/4'-1'-0"



21 FRAME AT VENT PIT GRATING
3/4'-1'-0"

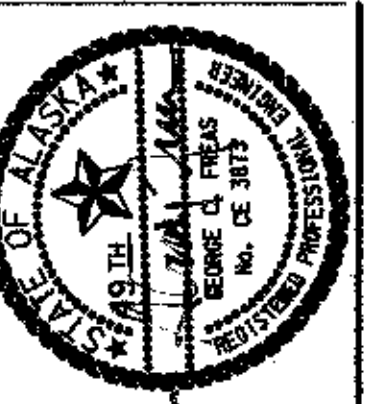


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FRAMING SECTIONS AND DETAILS

Revisions
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S-5.1
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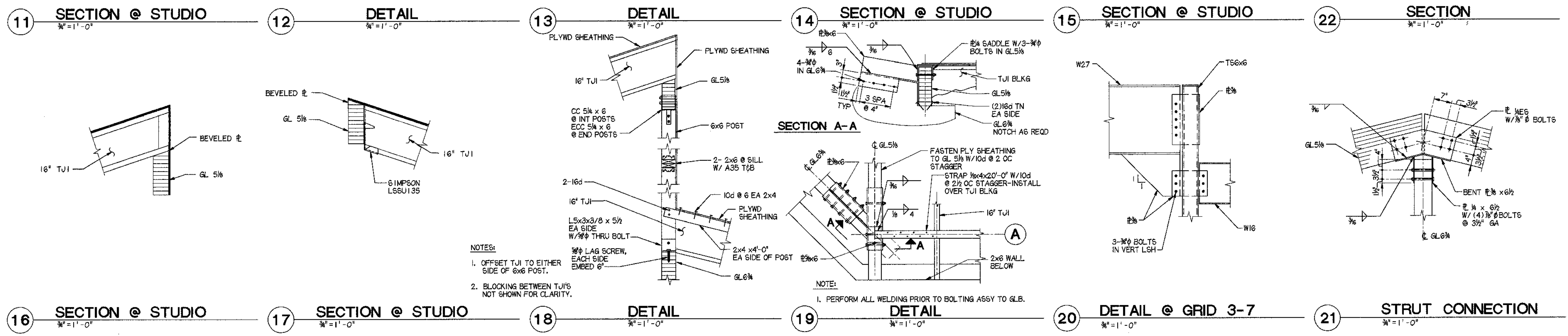
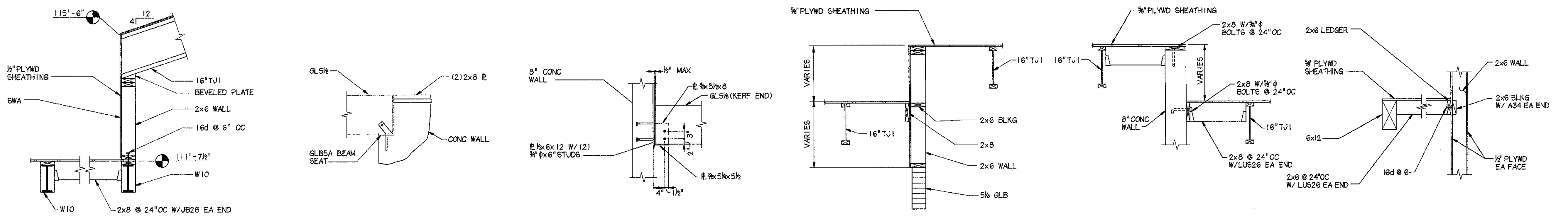
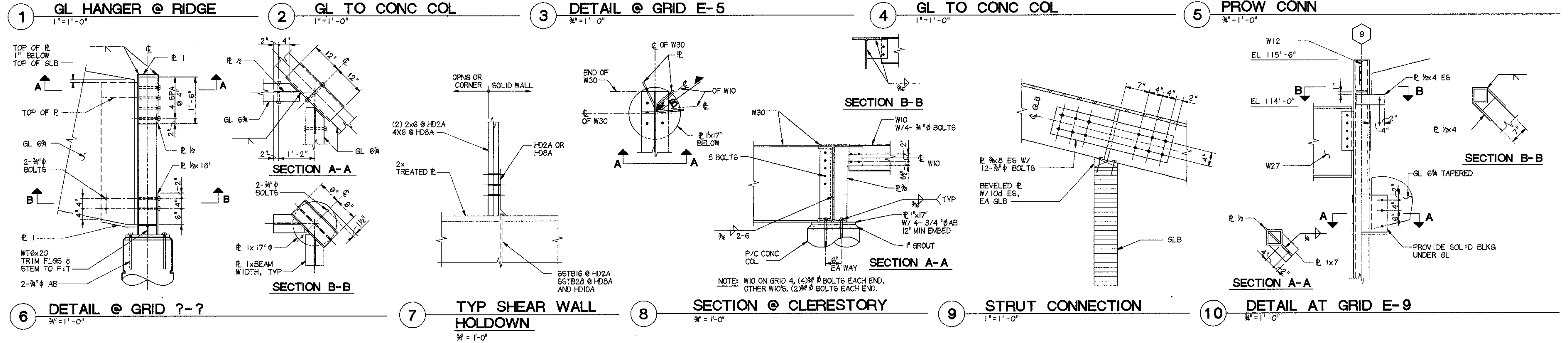
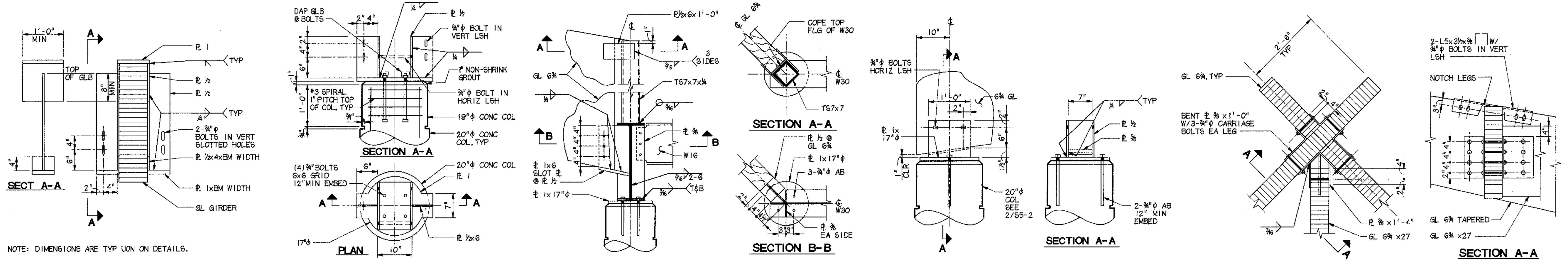
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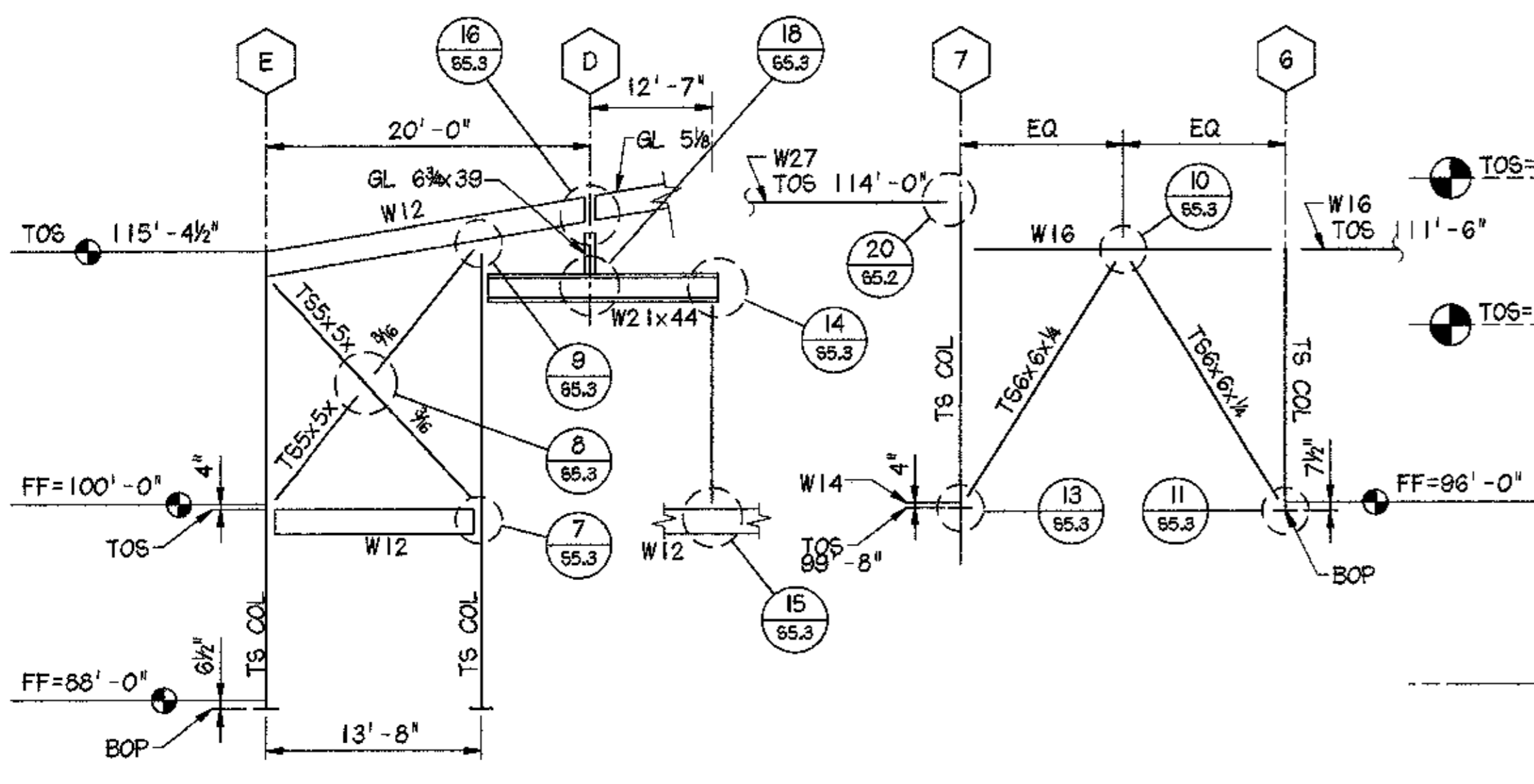


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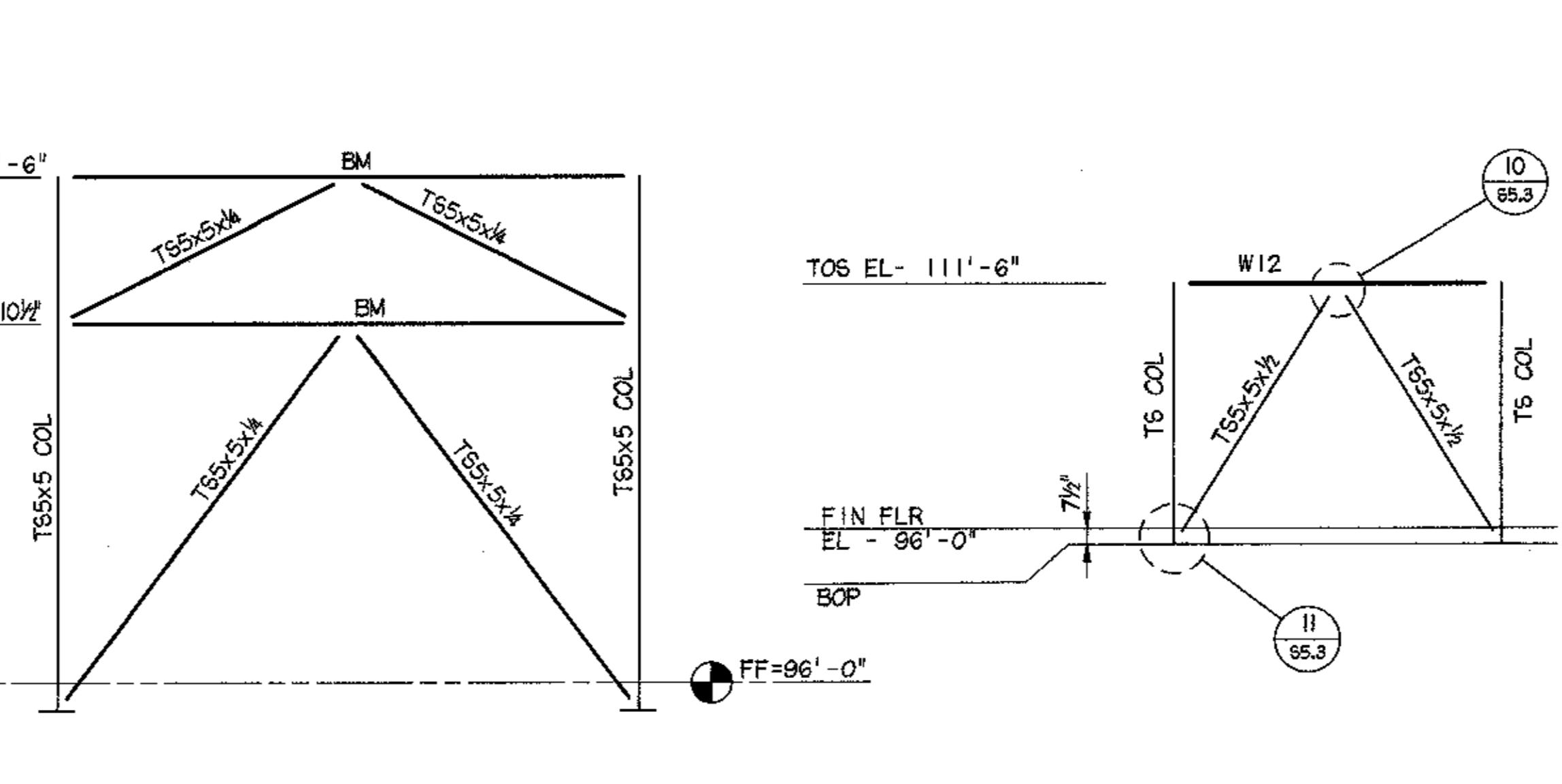
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 Date 04/17/98
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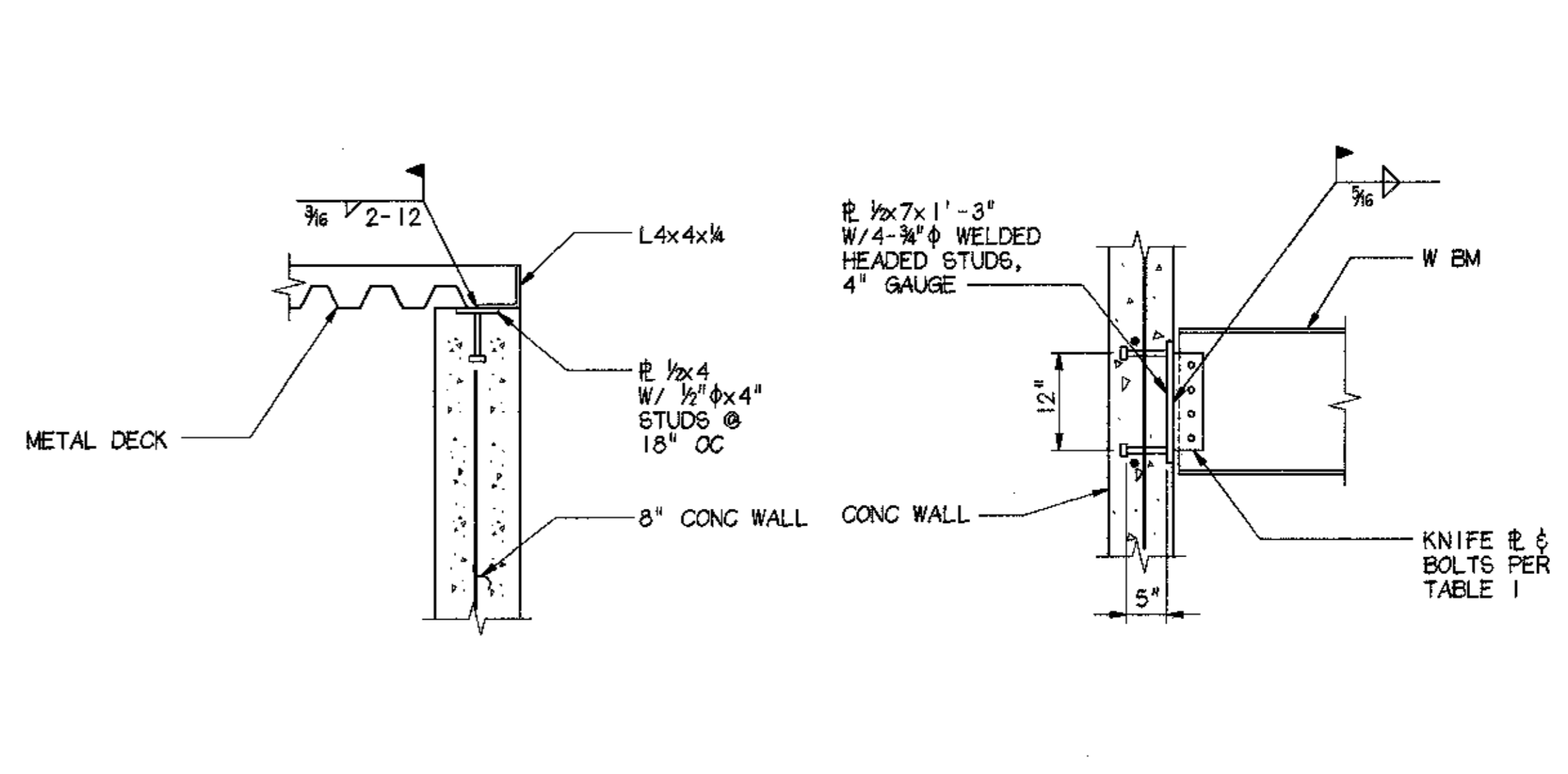
CONFORMED DRAWINGS
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1 GRID 9 ELEVATION
 1/8" = 1'-0"



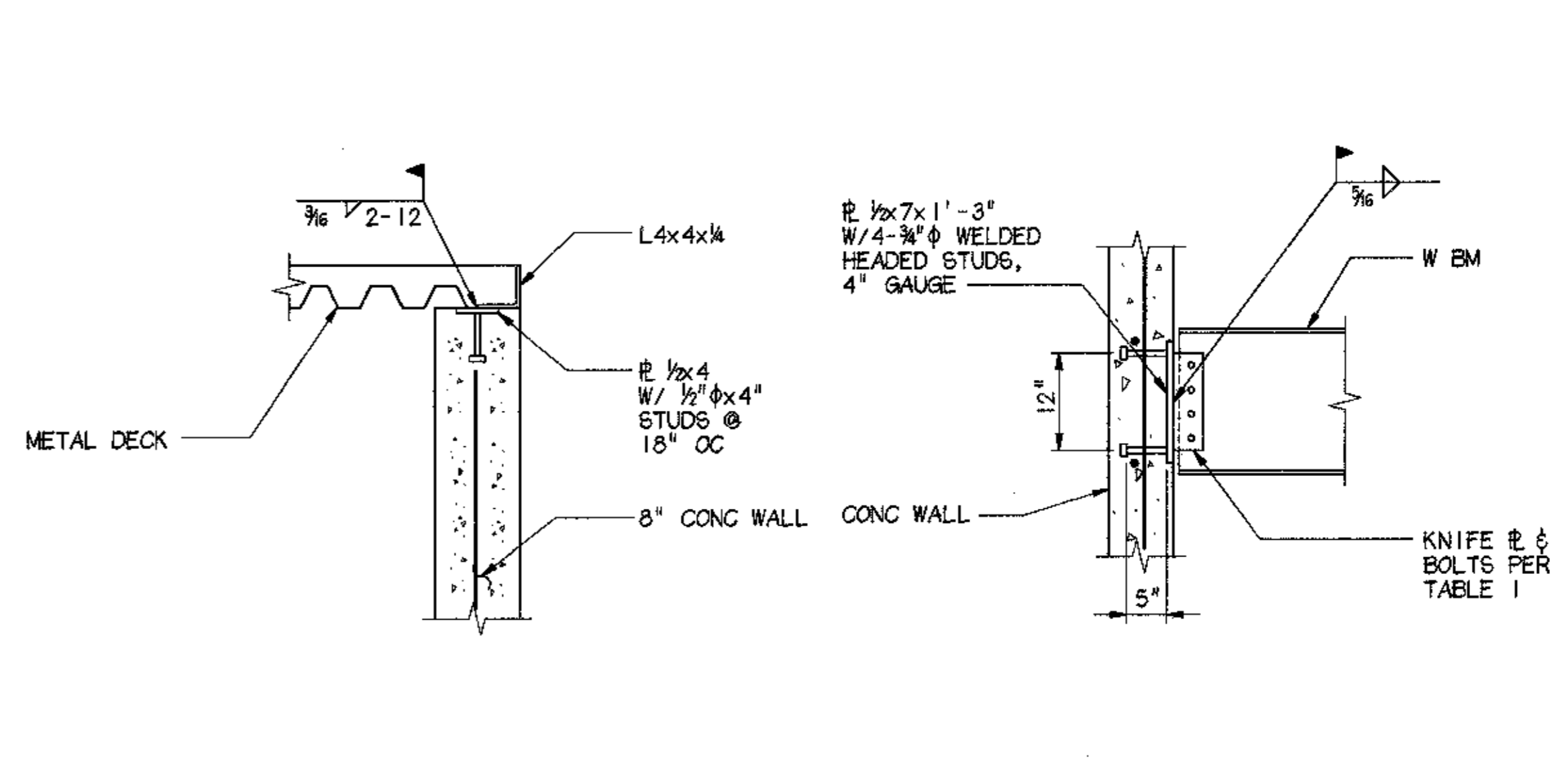
2 GRID E ELEVATIONS
 1/8" = 1'-0"



3 GRID 3 ELEVATION
 1/8" = 1'-0"

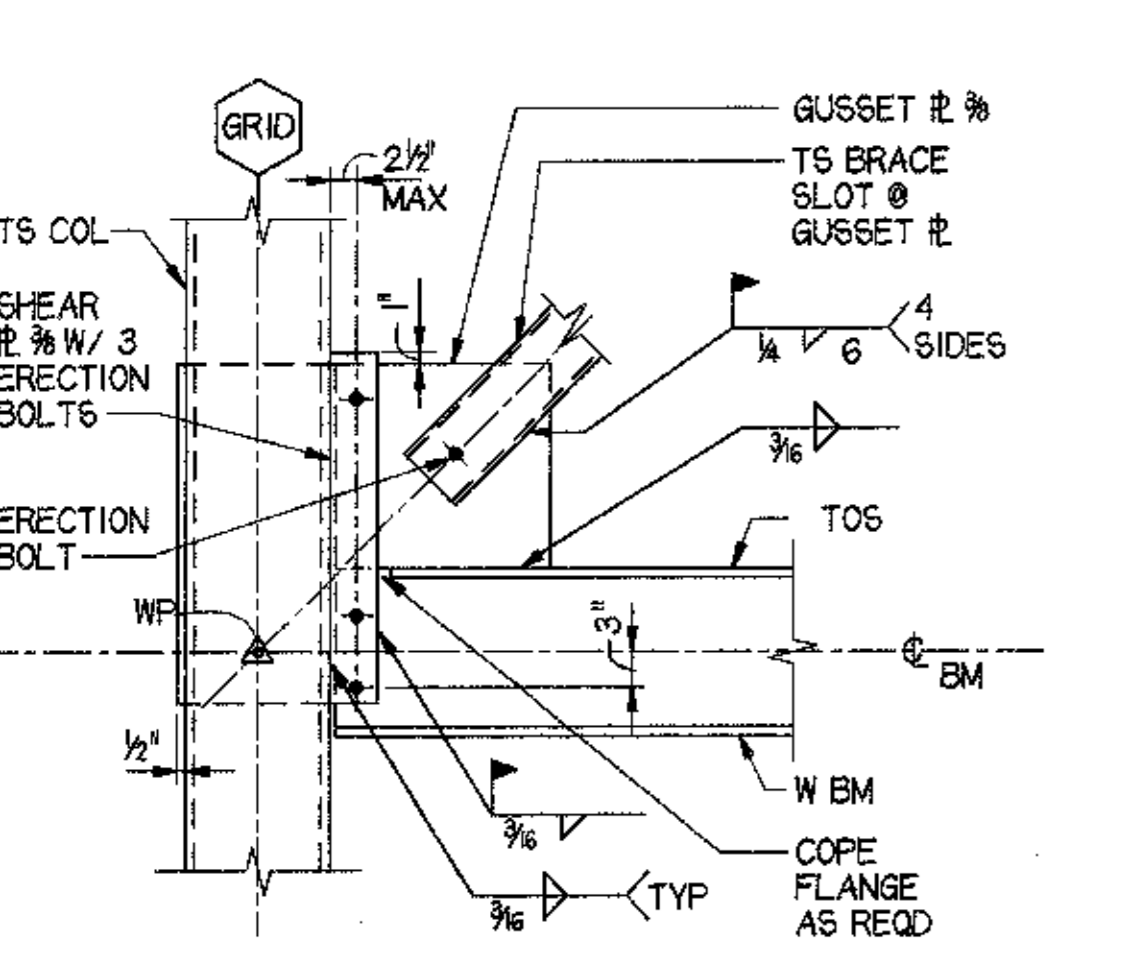


4 GRID 7 ELEVATION
 1/8" = 1'-0"



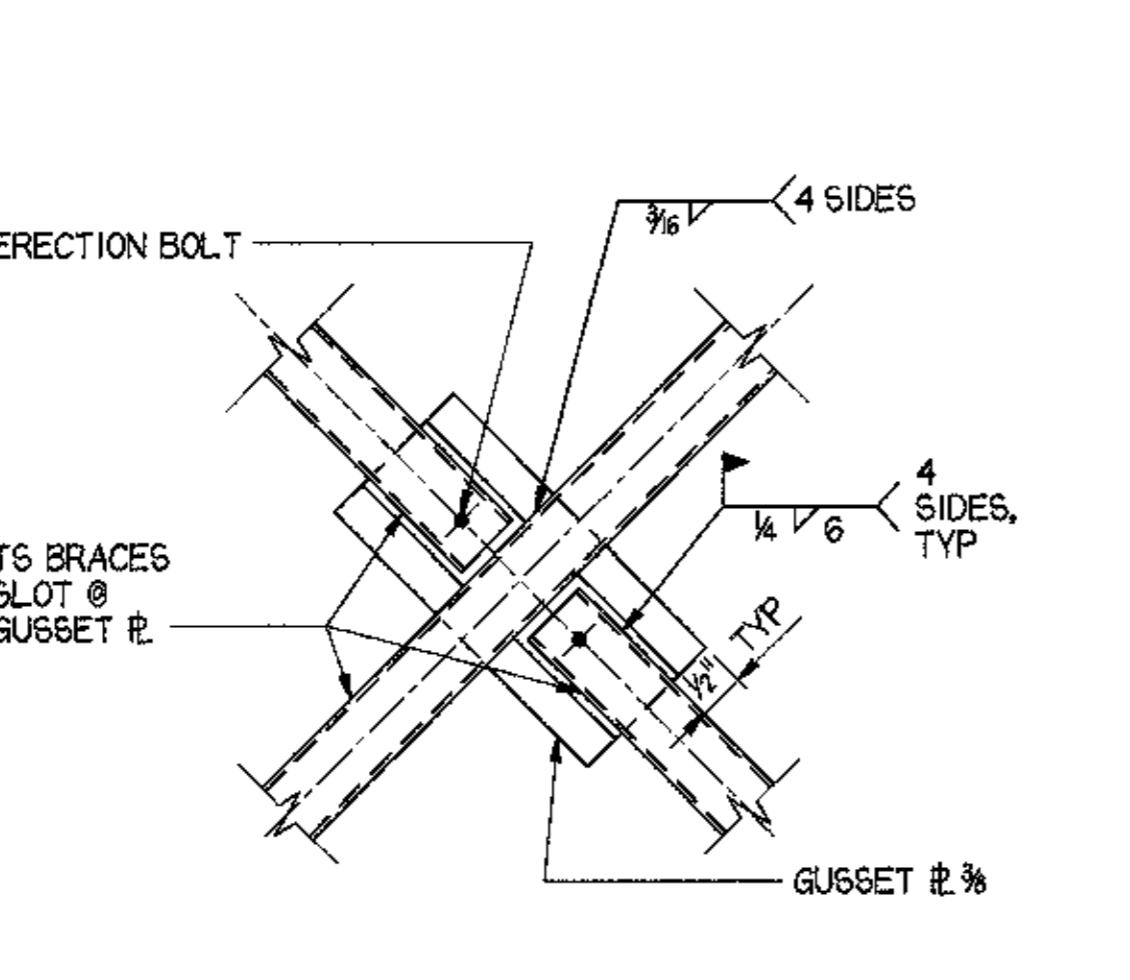
5 DETAIL
 1" = 1'-0"

6 TYP W18 TO CONC WALL & P/C COL CONN
 3/8" = 1'-0"

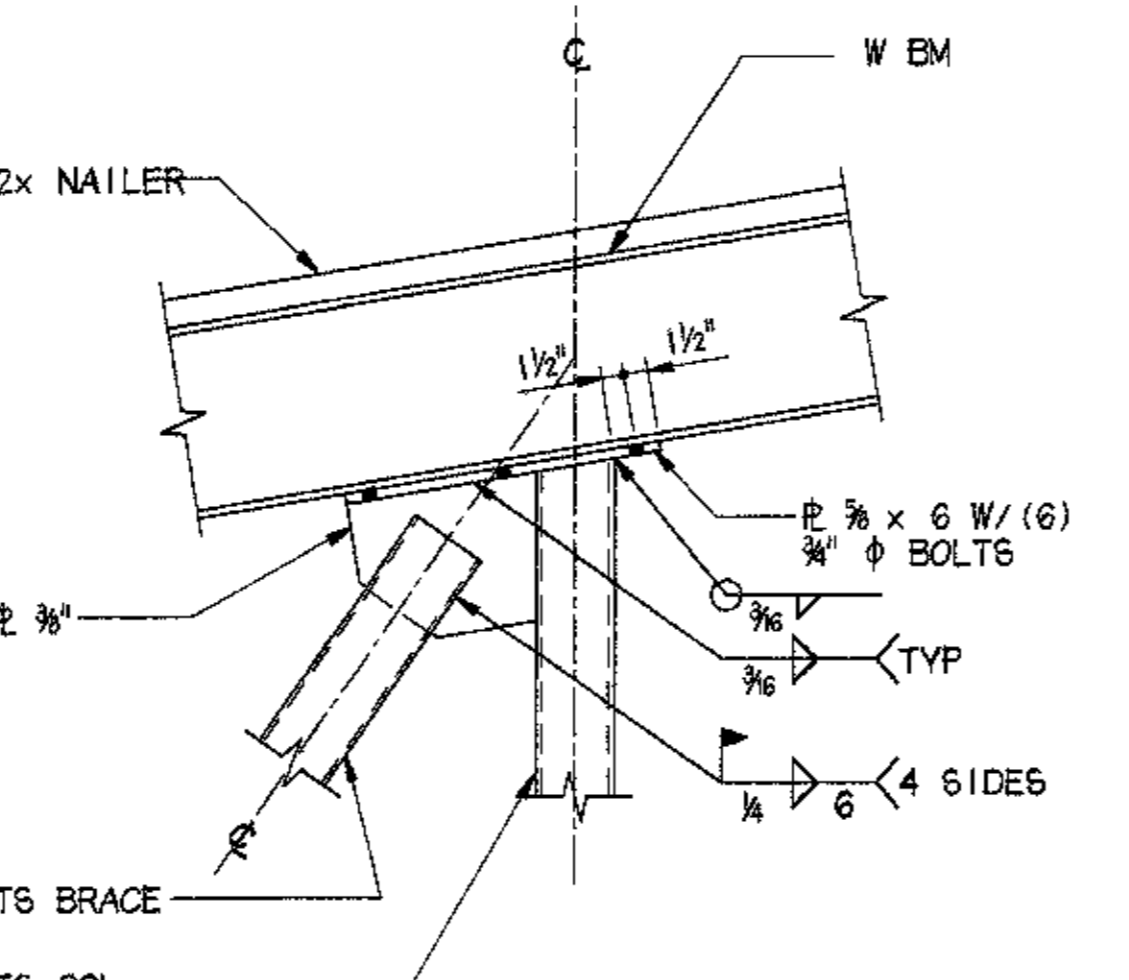


NOTE: CONCRETE SLAB NOT SHOWN FOR CLARITY.

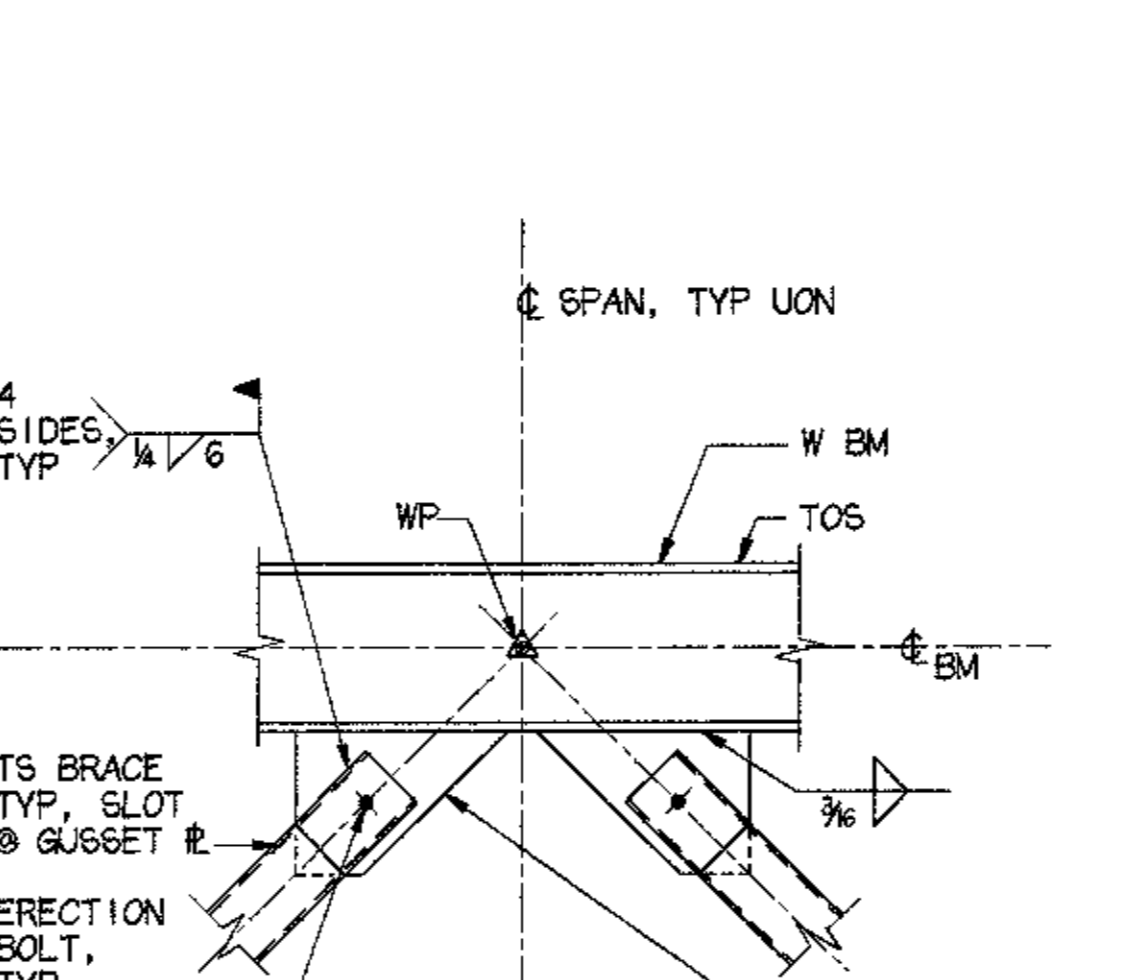
7 TYP TS BRACE TO COL FLANGE & BEAM
 3/8" = 1'-0"



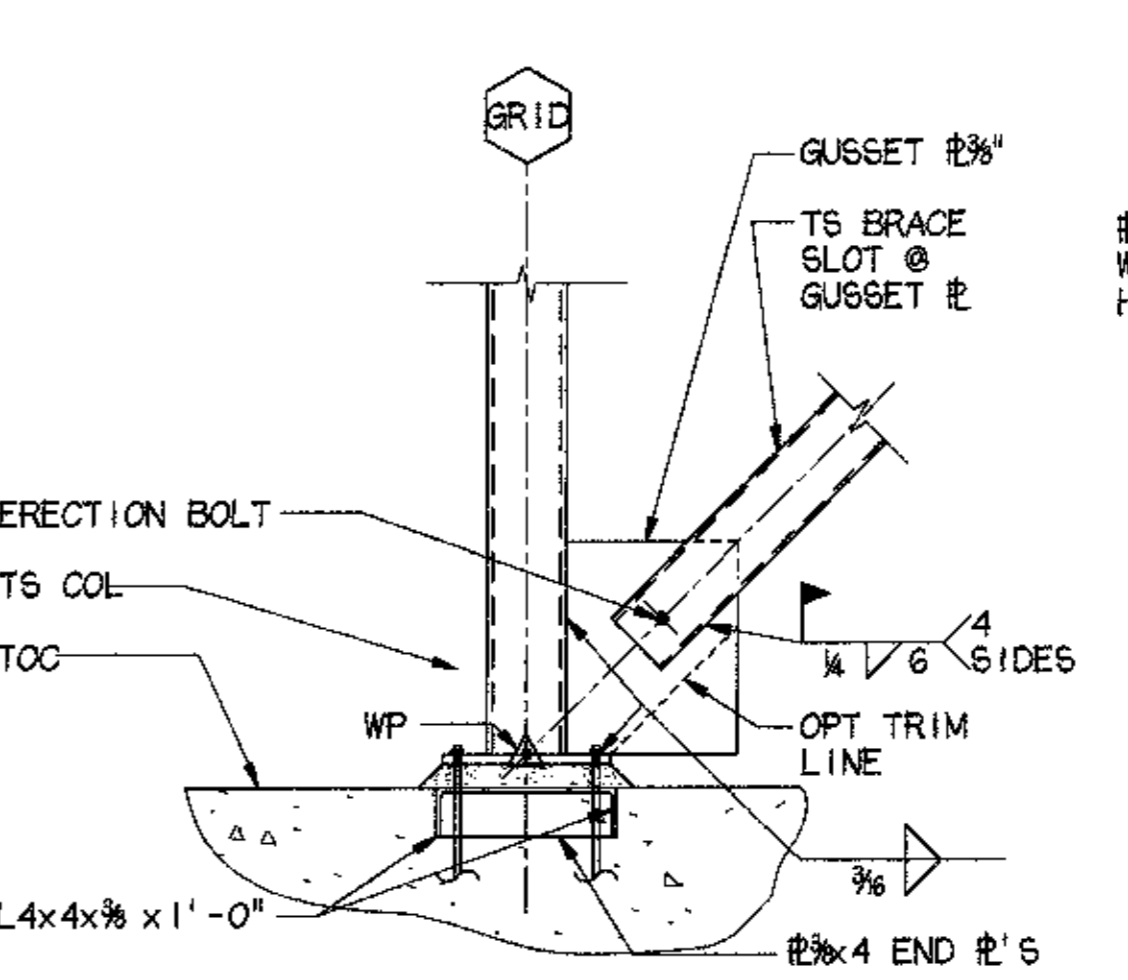
8 BRACE INTERSECTION
 3/8" = 1'-0"



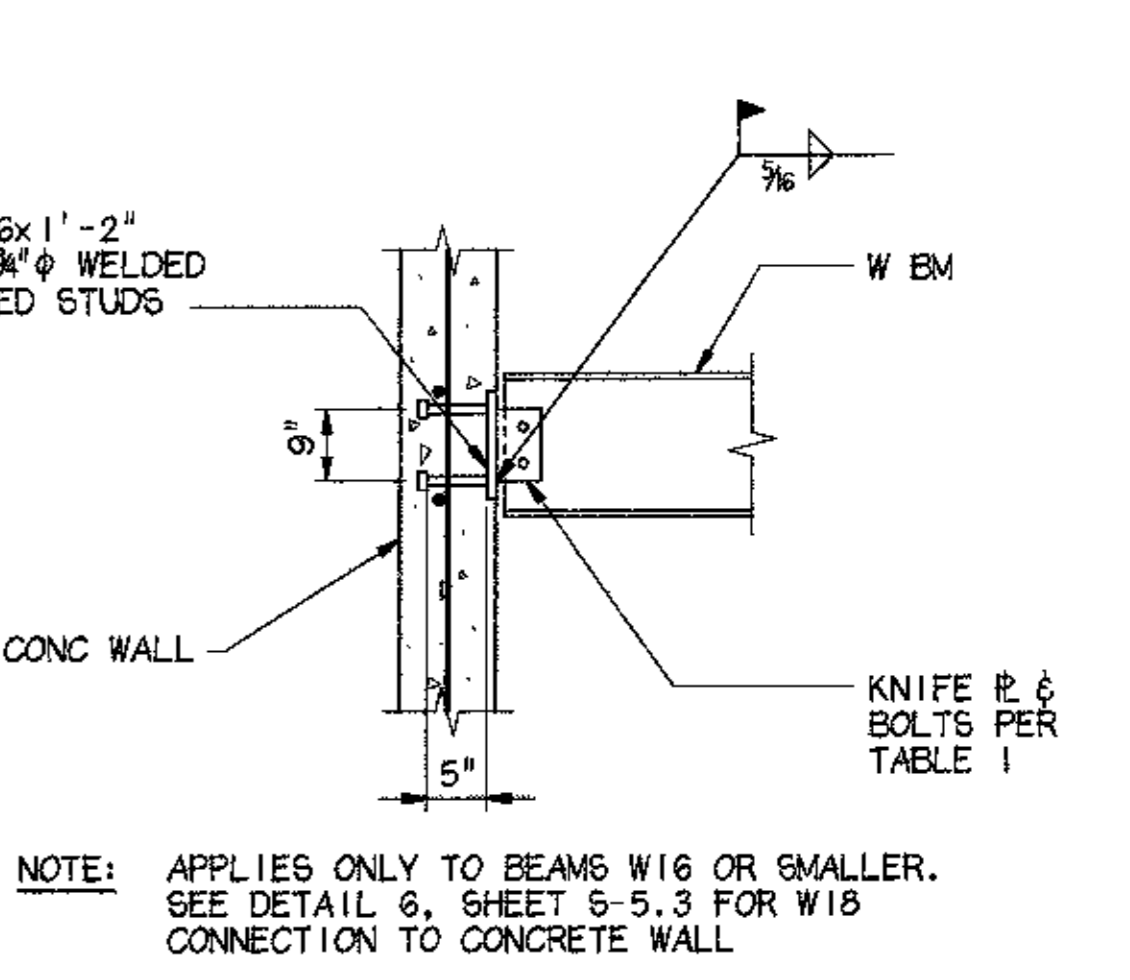
9 BRACE DETAIL
 1" = 1'-0"



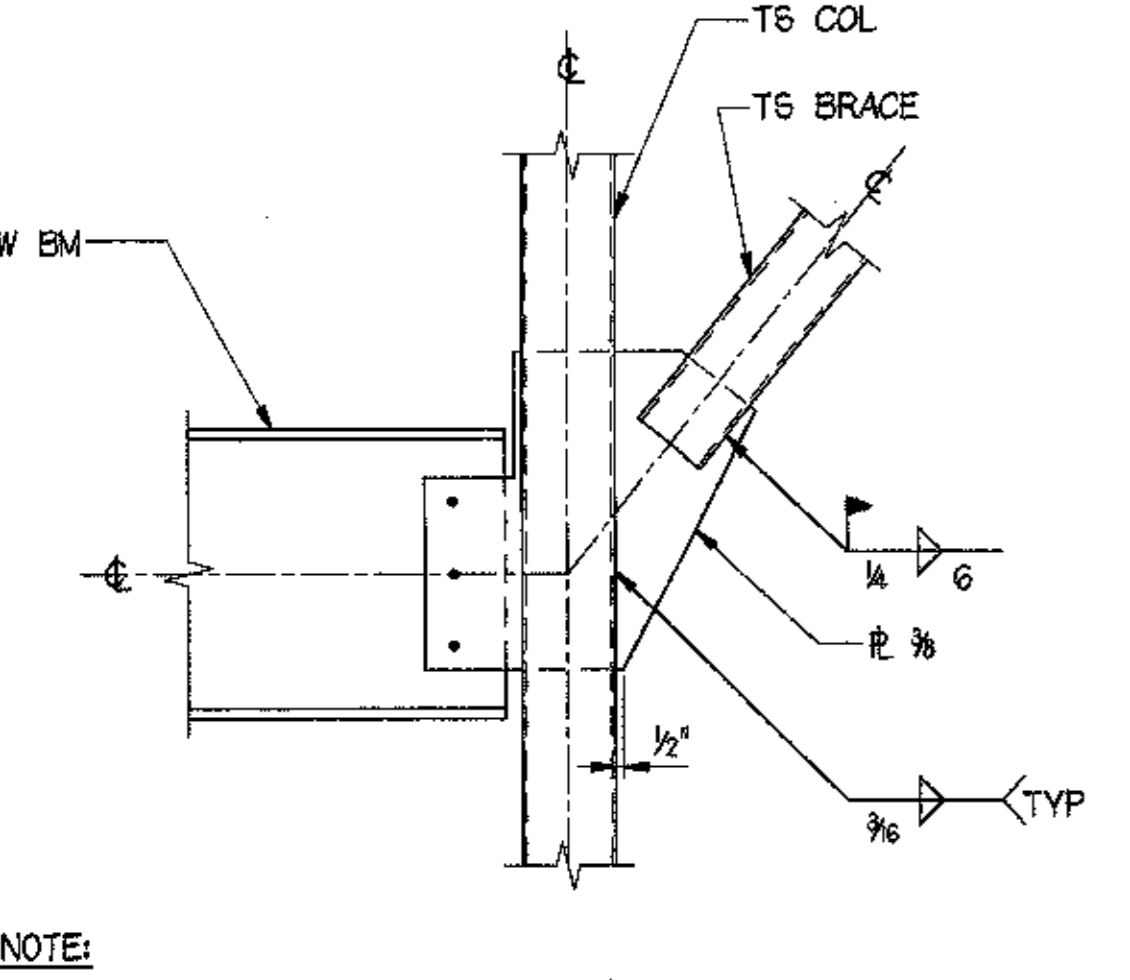
10 TYP TS BRACES TO BEAM
 3/8" = 1'-0"



11 TYP TS BRACE TO COL BASE
 3/8" = 1'-0"

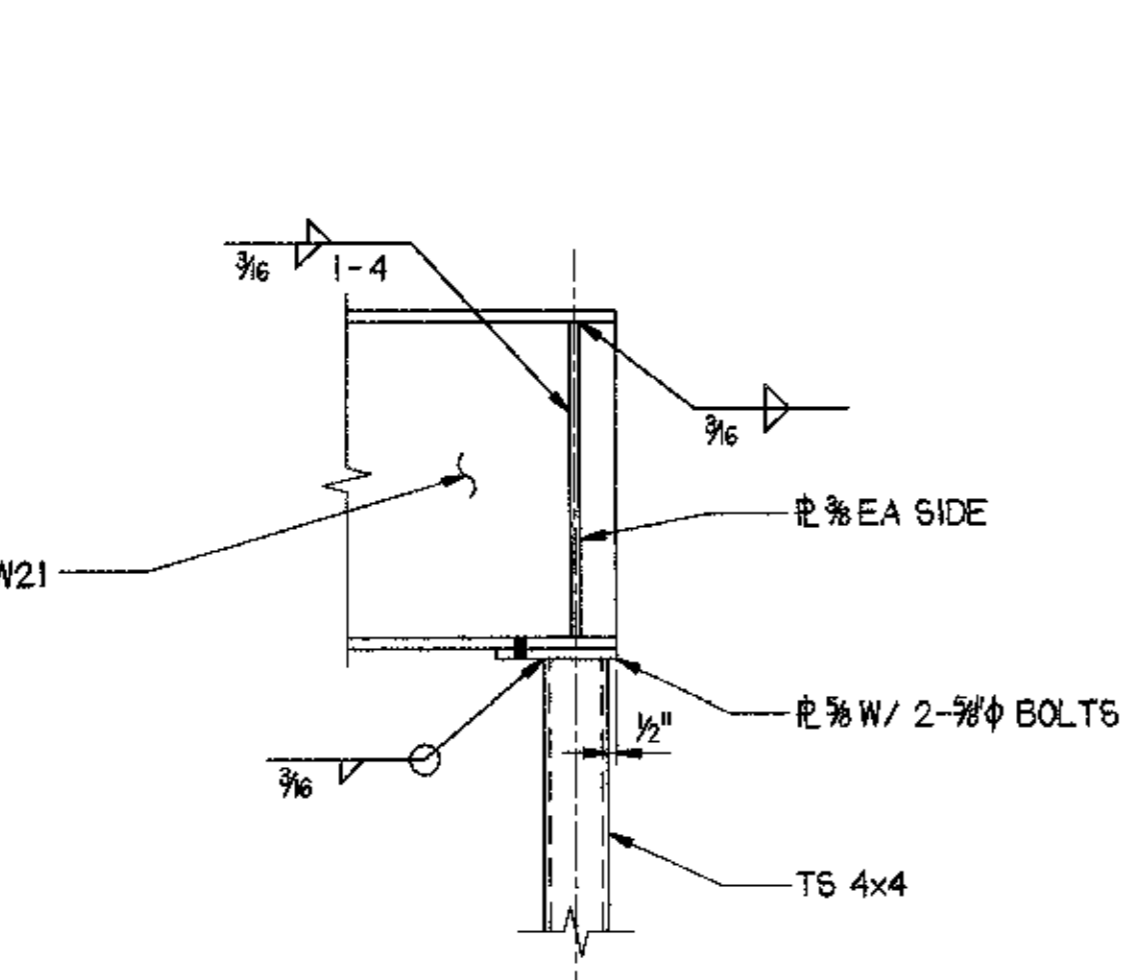


12 TYP W BM TO CONC WALL & P/C COL CONN
 3/8" = 1'-0"

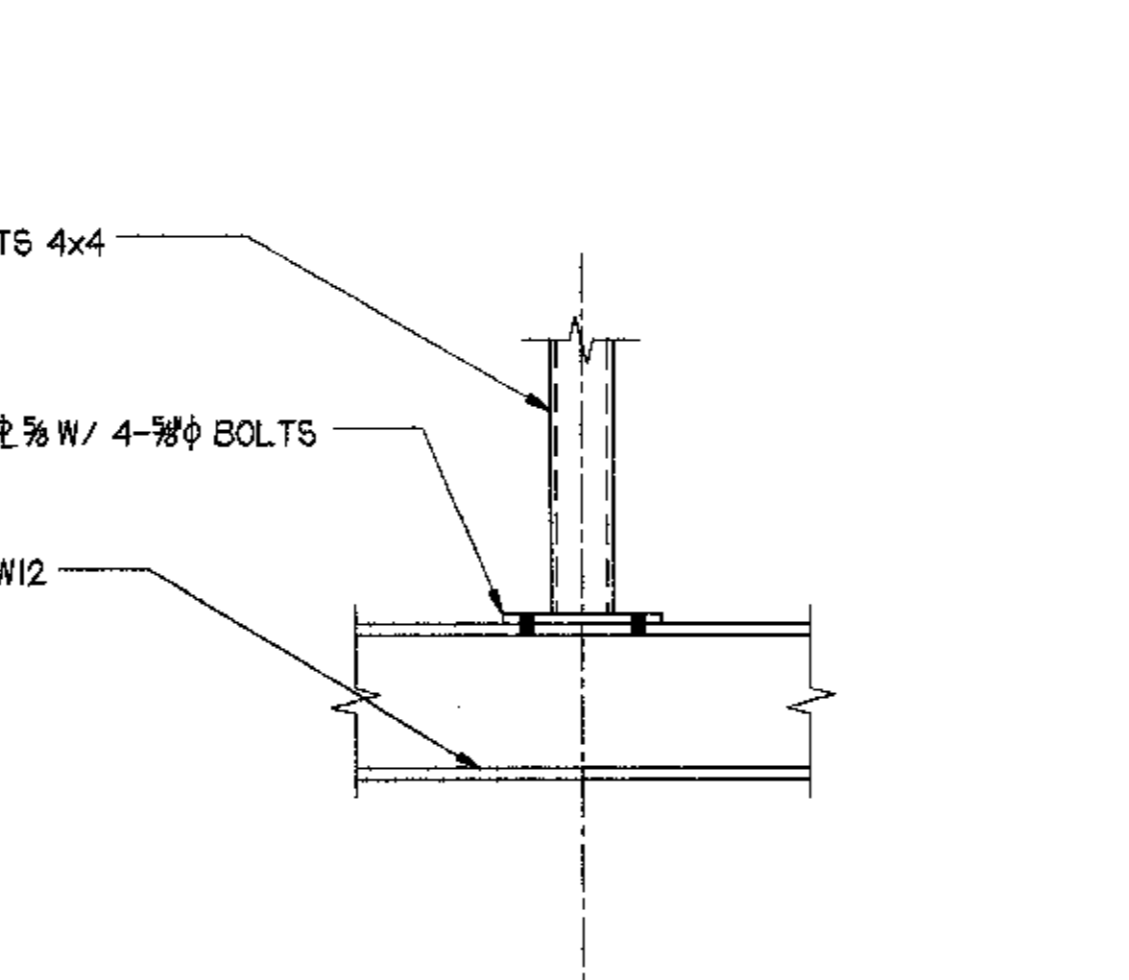


NOTE:
 1. CONCRETE SLAB NOT SHOWN FOR CLARITY.
 2. USE STANDARD HOLES IN THE SHEAR PLATE AT THIS LOCATION.

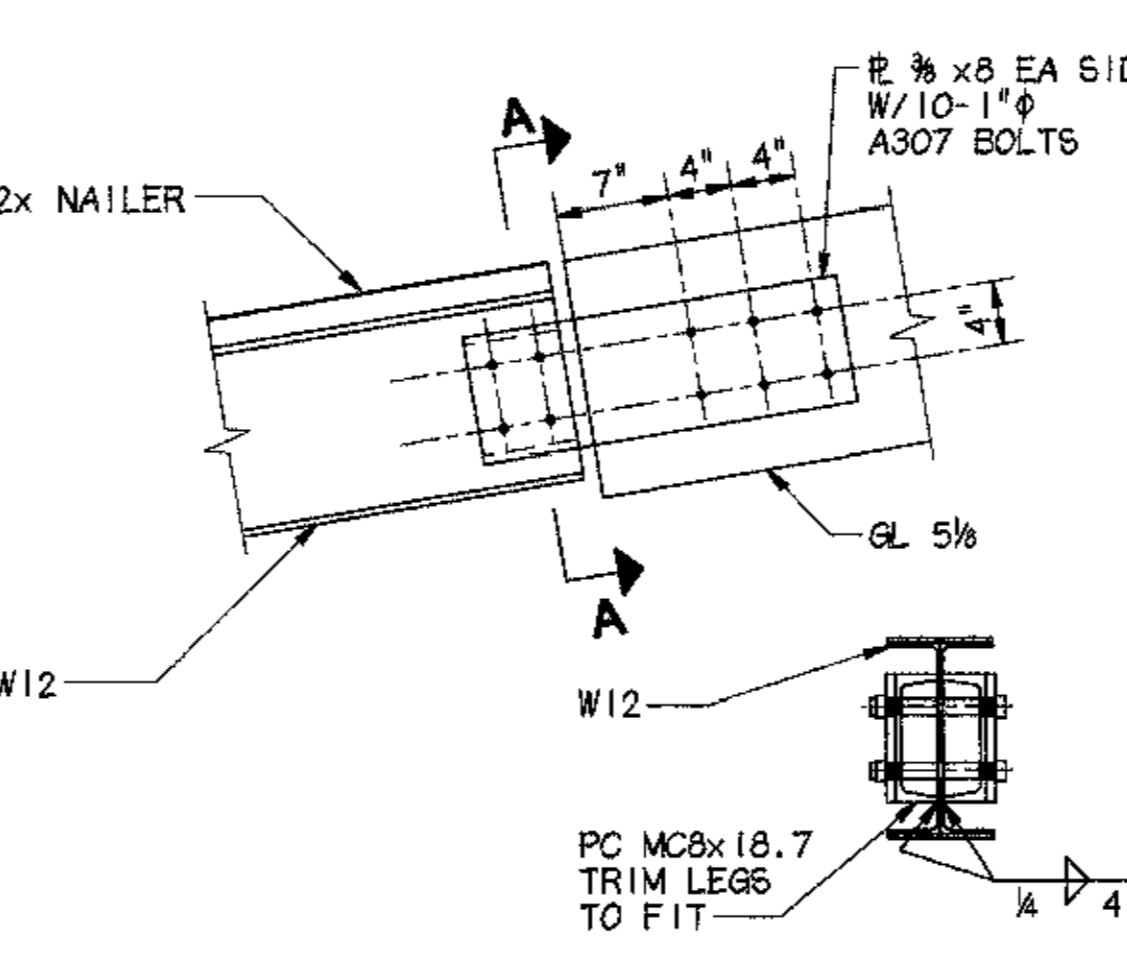
13 BRACE DETAIL
 1" = 1'-0"



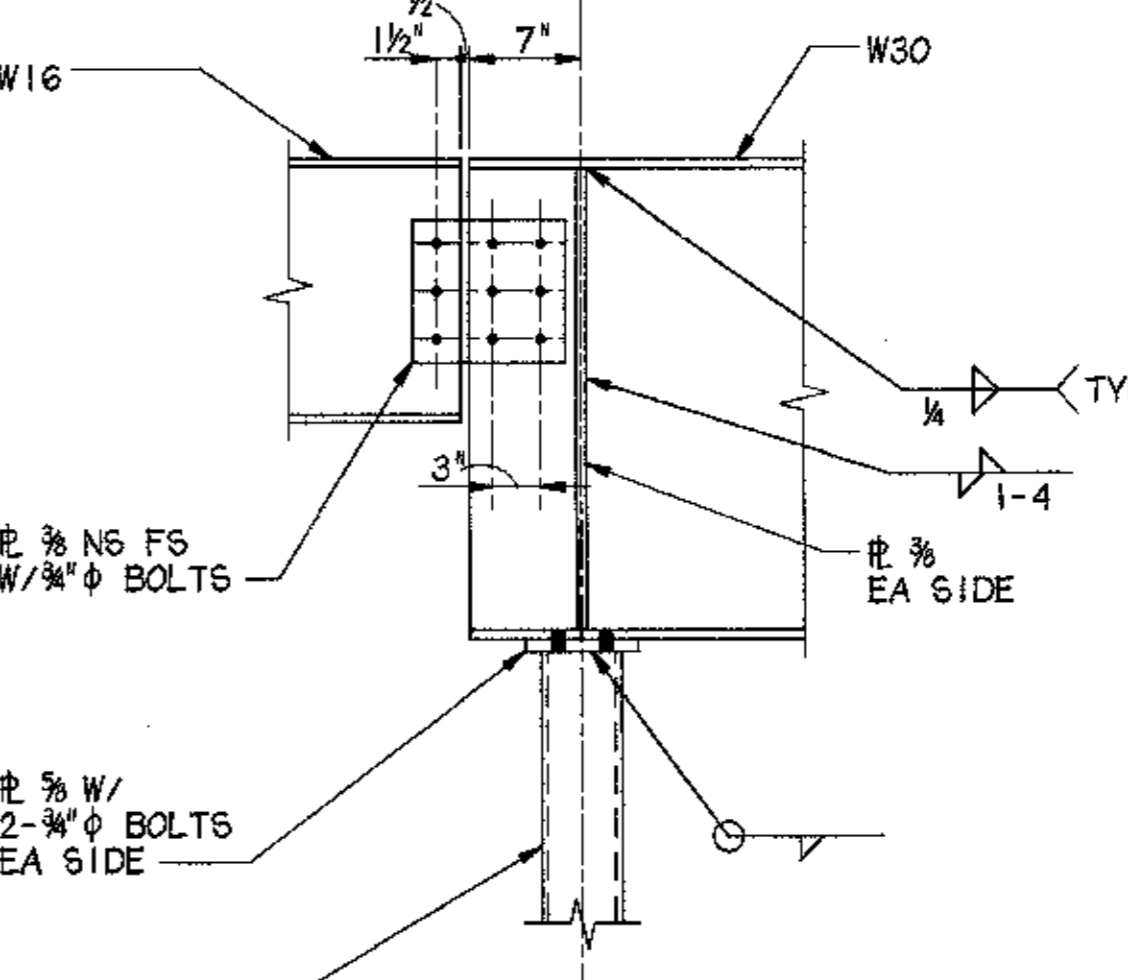
14 DETAIL
 1" = 1'-0"



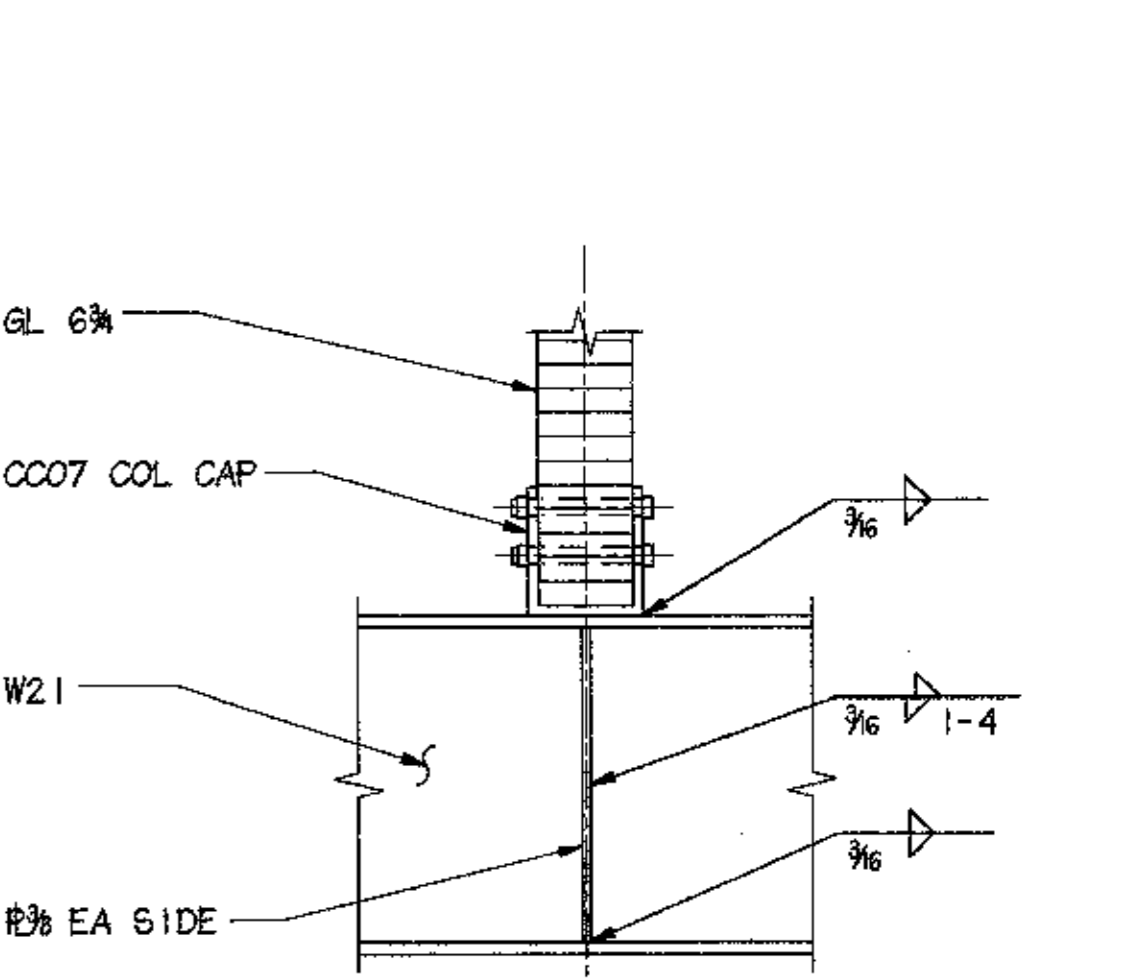
15 DETAIL
 1" = 1'-0"



16 STRUT DETAIL
 1" = 1'-0"



17 W30 TO TS COL
 1" = 1'-0"

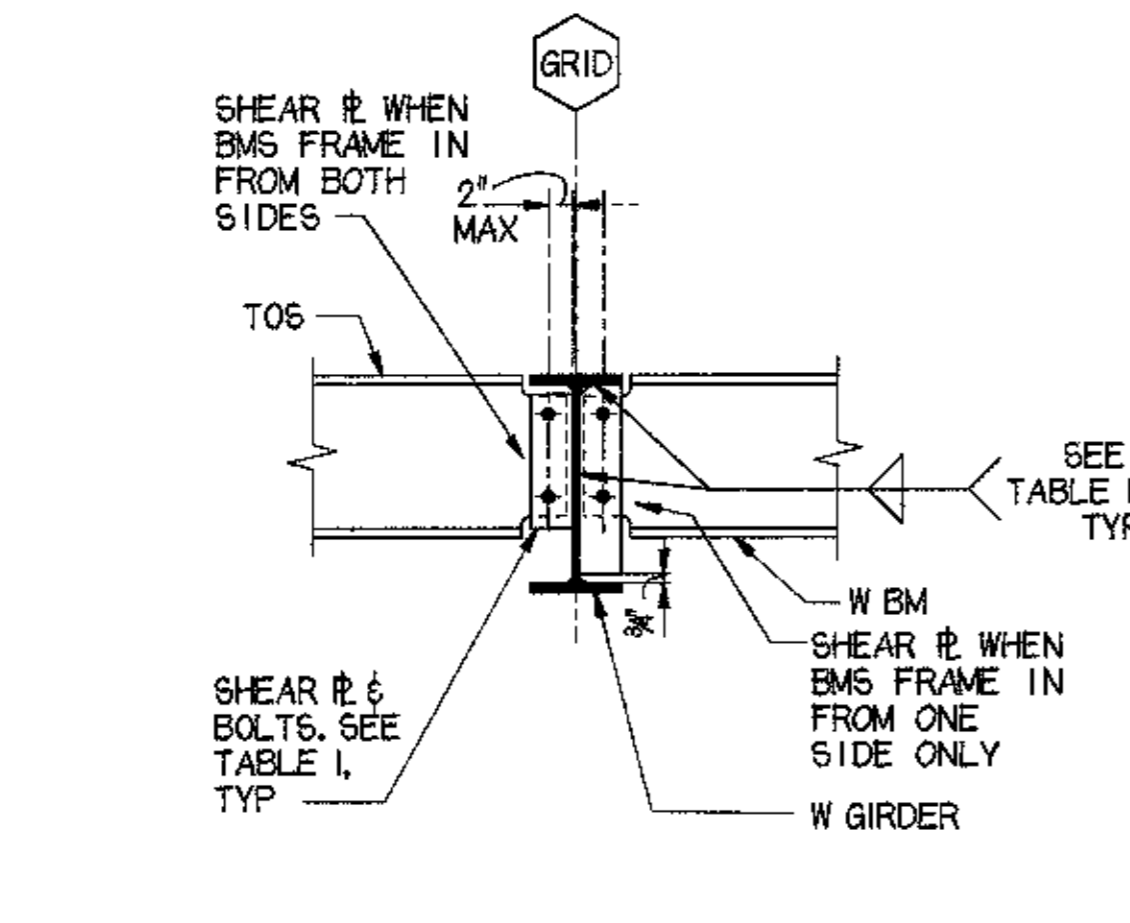


18 DETAIL
 1" = 1'-0"

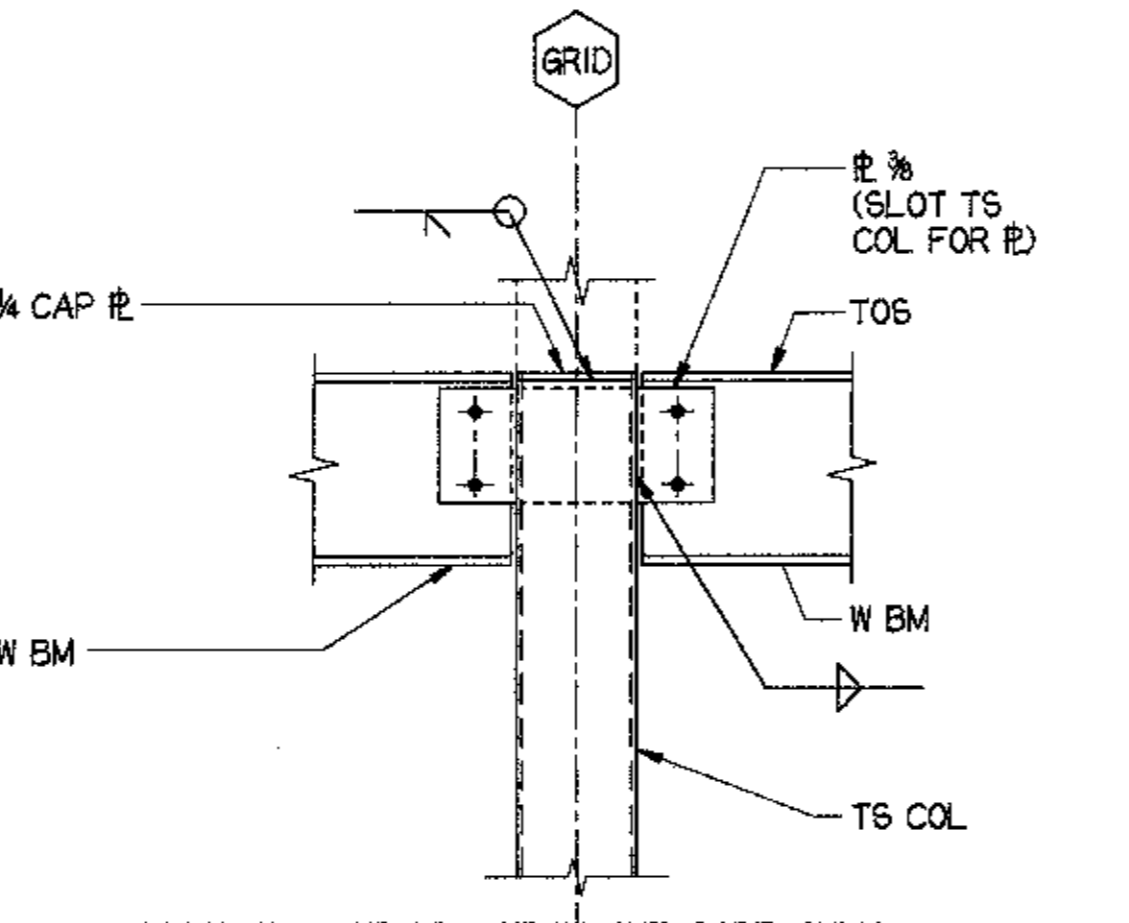
| TABLE 1 SINGLE-PLATE SHEAR CONNS | | | | |
|-------------------------------------|----------|--------------------|-----------|-----------------|
| BEAM SIZES | H66 REQD | SHEAR PL THICKNESS | WELD SIZE | H66 SIZE & TYPE |
| W8 TO W12 | 2 | 3/8" | 3/8" | 3/8" A-325N |
| W14 TO W16 | 3 | 3/8" | 3/8" | 3/8" A-325N |
| W18 | 4 | 3/8" | 3/8" | 3/8" A-325N |
| W24, W27 | 5 | 3/8" | 3/8" | 3/8" A-325N |
| W30 | 7 | 3/8" | 3/8" | 3/8" A-325N |

NOTES:
 1. ALL H66 TO BE FULLY TIGHTENED.
 2. FABRICATE SHEAR PL'S WITH HORIZ SHORT-SLOTTED HOLES AND BEAMS WITH STANDARD HOLES.
 3. H66 VERT SPA = 3" MIN, EDGE DIST = 1/2" MIN.

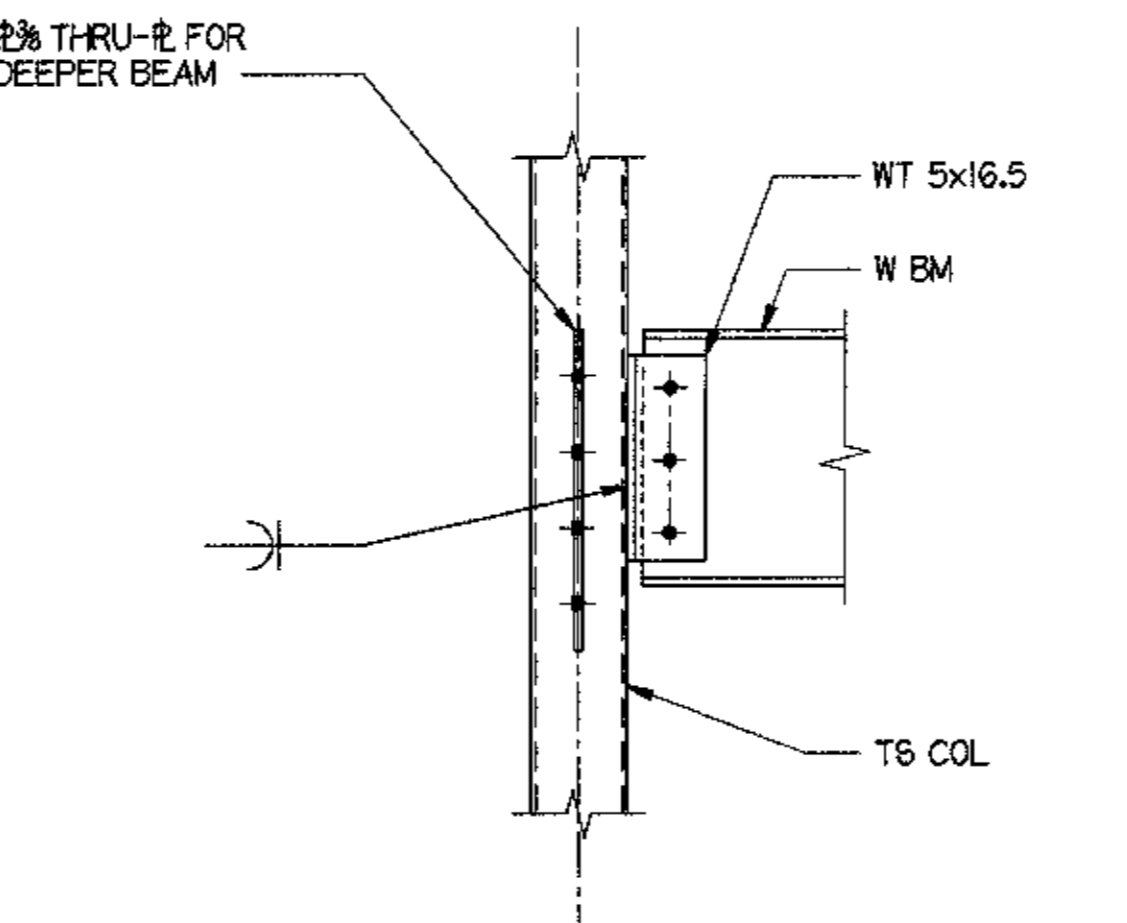
19 TABLE 1
 3/8" = 1'-0"



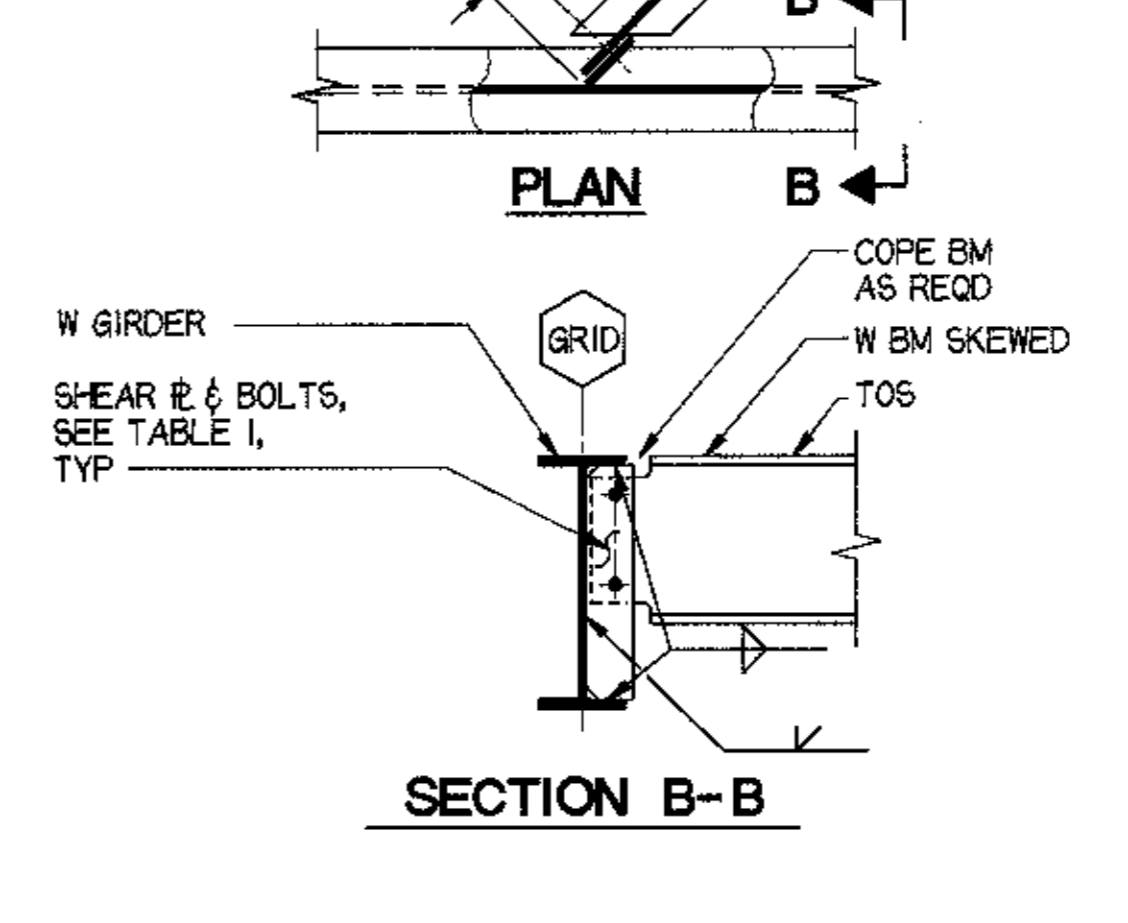
20 TYP BM TO BM CONN
 3/8" = 1'-0"



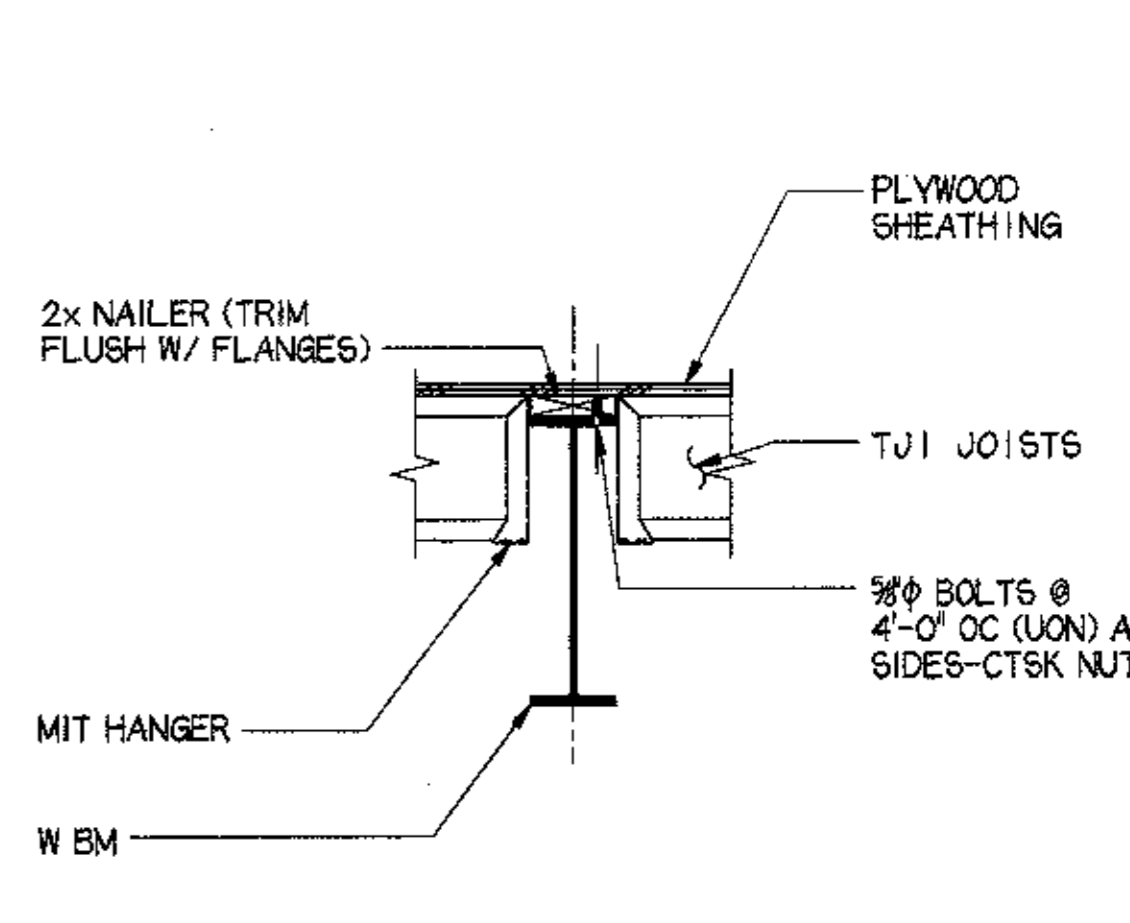
21 TYP BEAM TO TS COLUMN CONNECTION
 3/8" = 1'-0"



22 BEAM TO TS COLUMN
 3/8" = 1'-0"

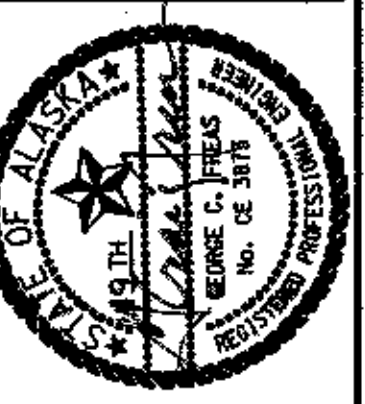


23 TYP SKEWED BM TO GIRDER CONNECTION
 3/8" = 1'-0"



24 TYP NAILER DETAIL
 3/8" = 1'-0"

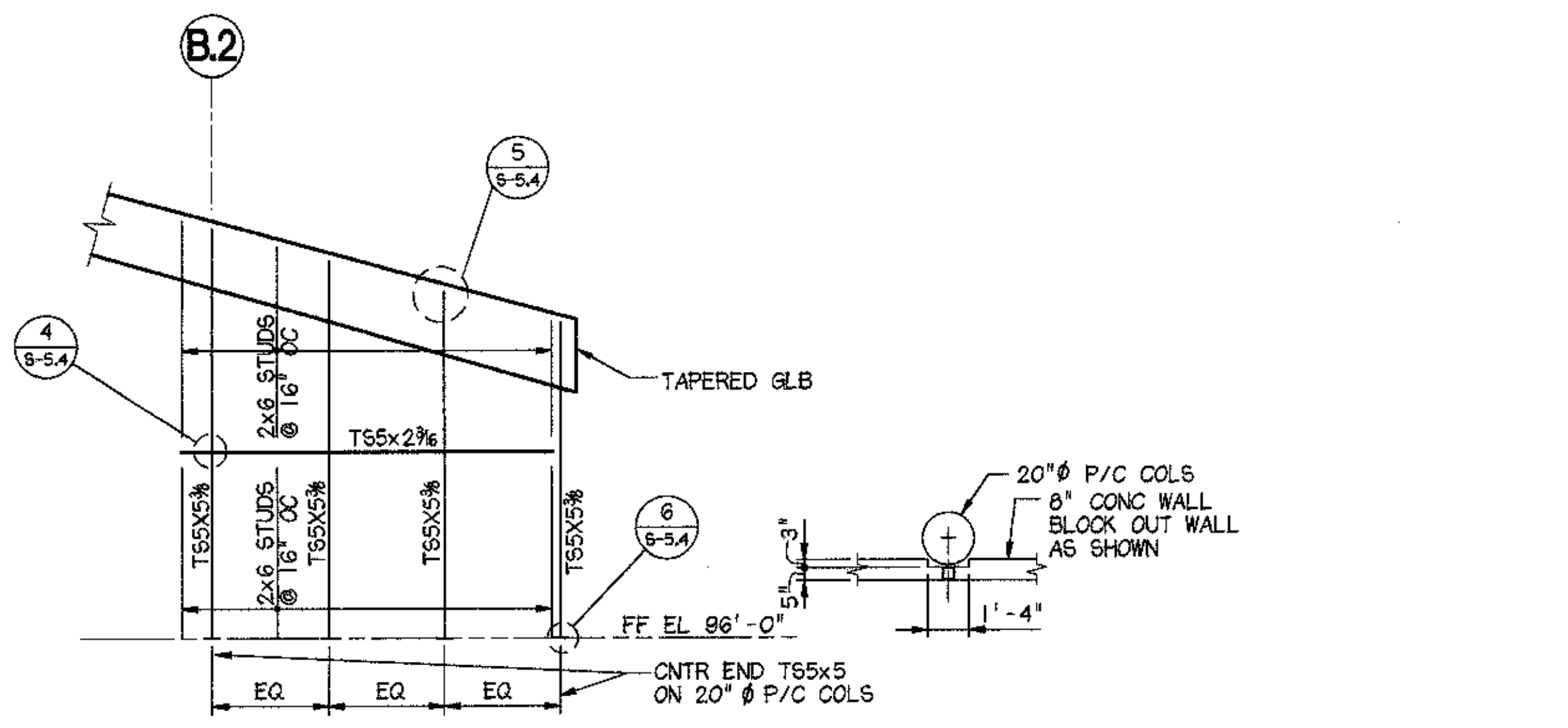
LAST PLOT DATE: 04/17/98
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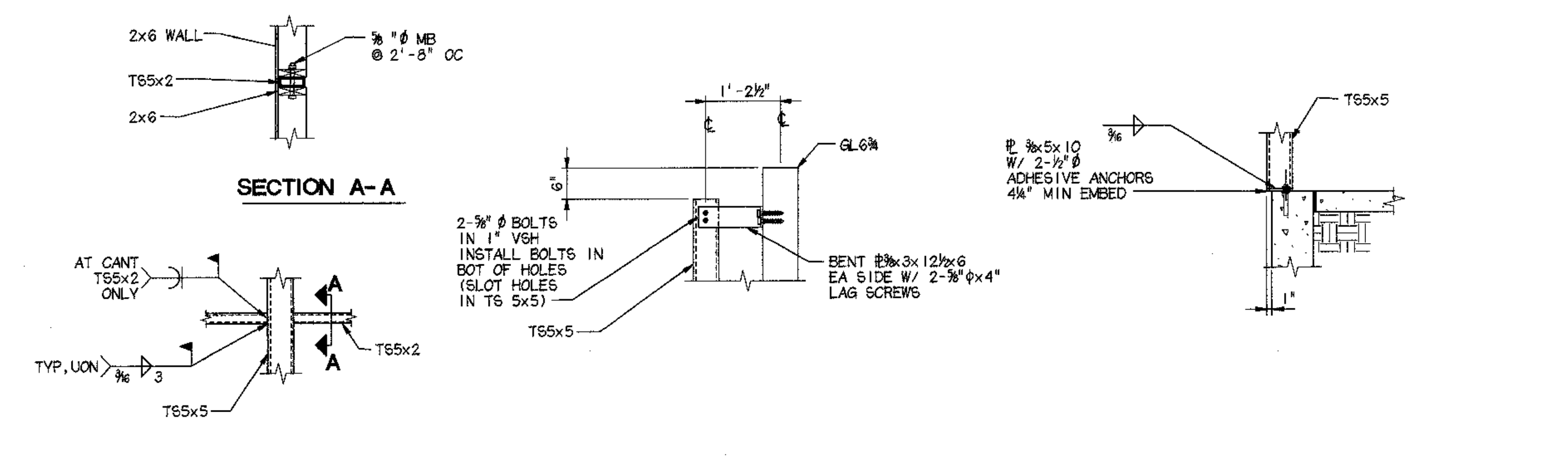
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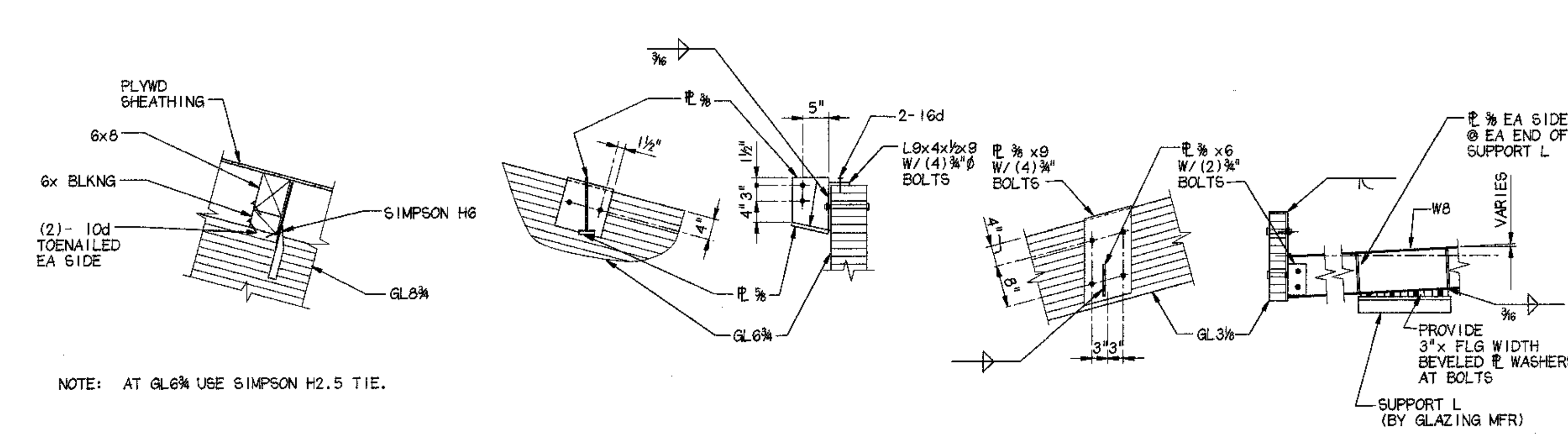
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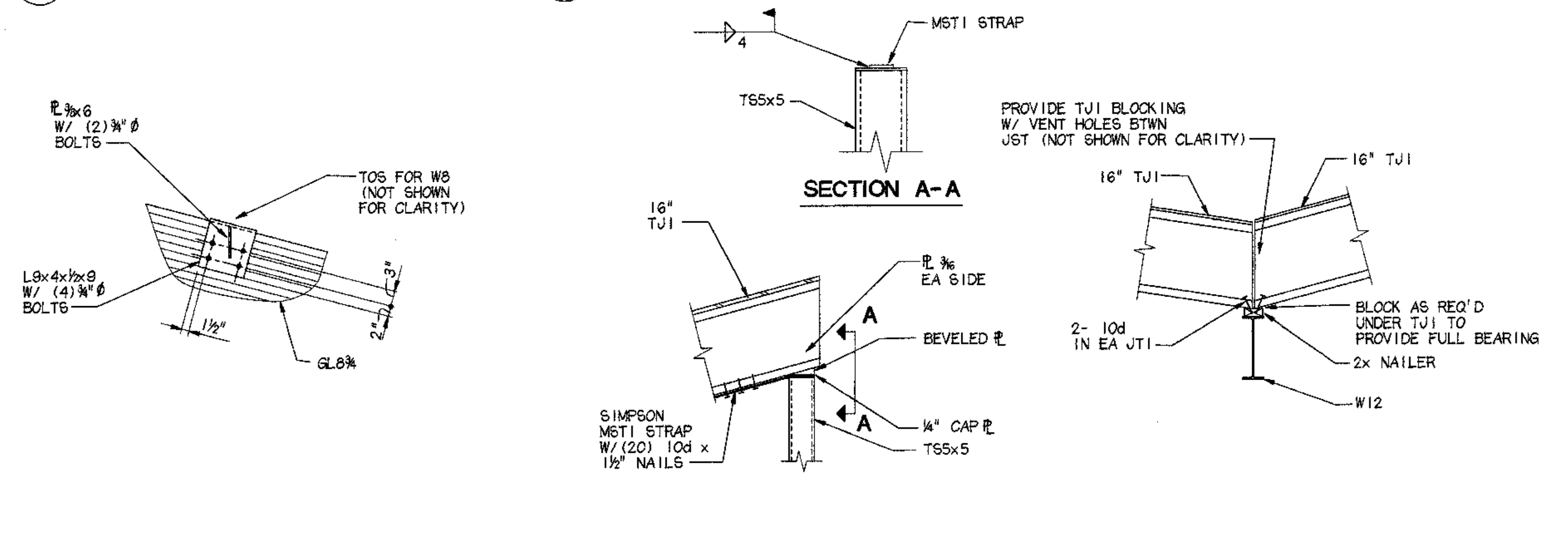
1 EL GRID A/B BTWN 2/3
 3/8" = 1'-0"



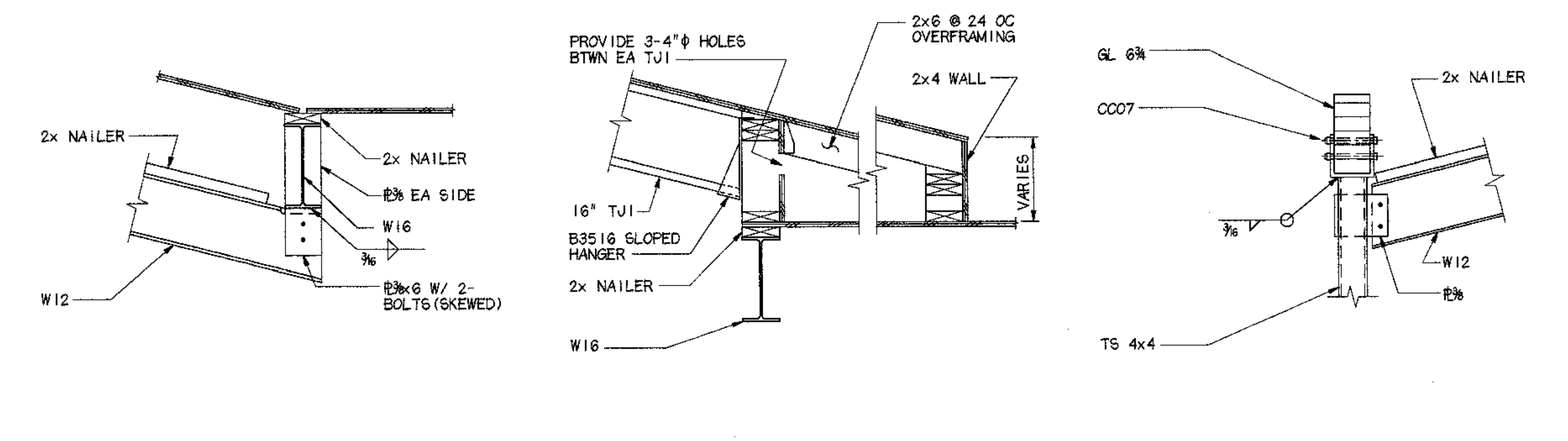
4 DETAIL 3/8" = 1'-0"
5 DETAIL 3/8" = 1'-0"
6 DETAIL 3/8" = 1'-0"



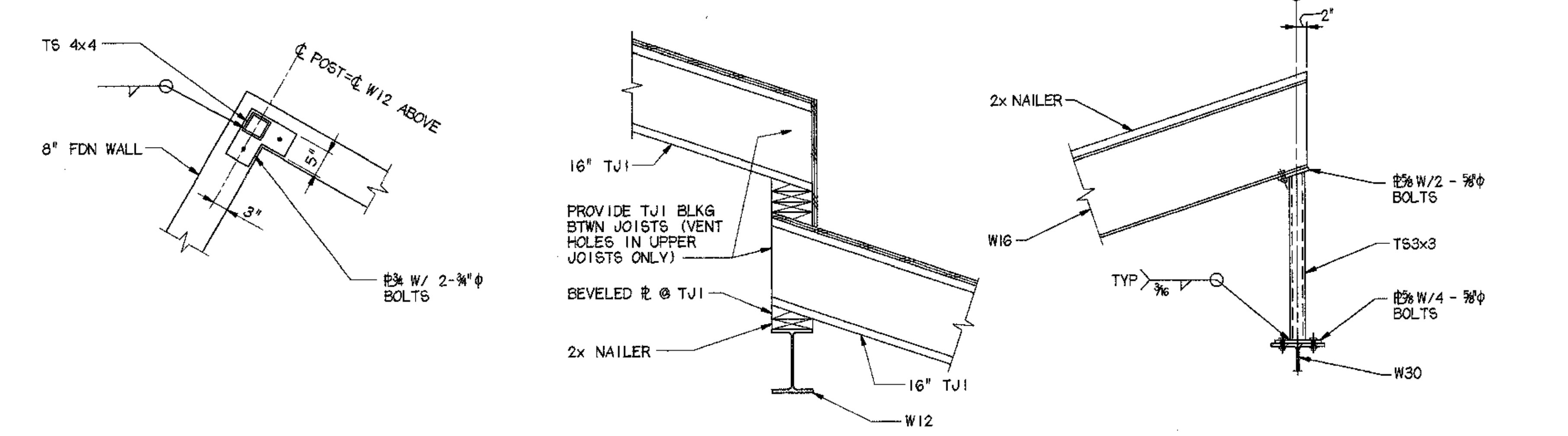
7 SECTION 3/8" = 1'-0"
8 DETAIL 3/8" = 1'-0"
9 DETAIL 3/8" = 1'-0"



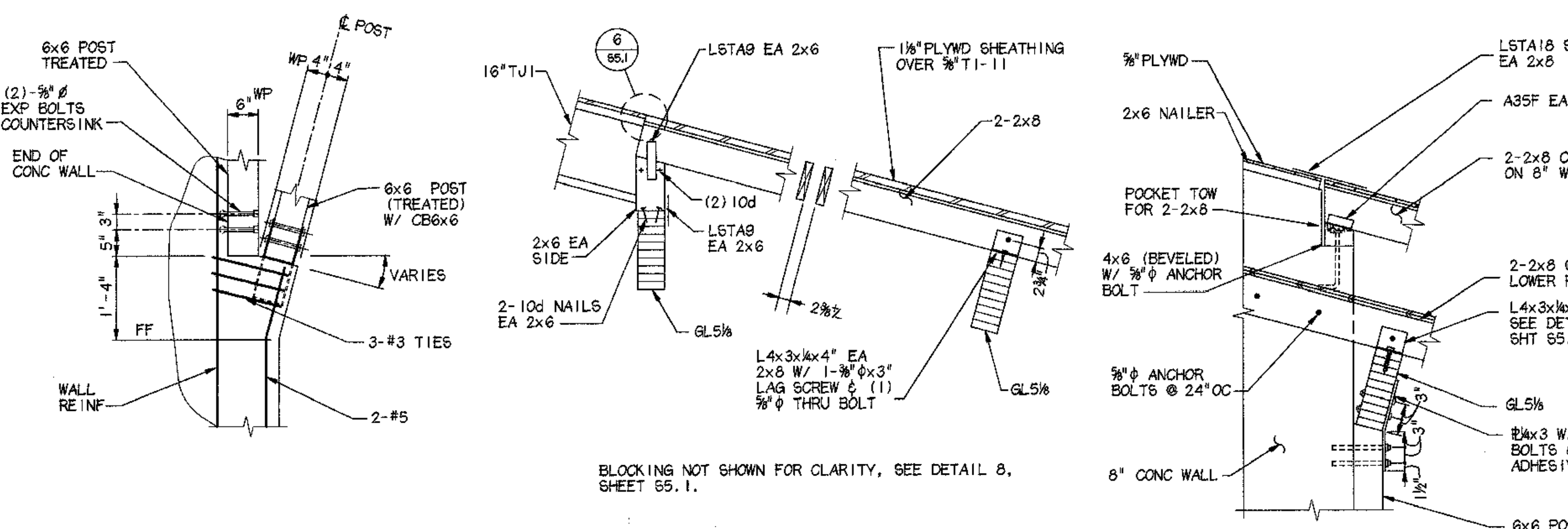
10 DETAIL 3/8" = 1'-0"
11 SECTION 3/8" = 1'-0"
12 SECTION 3/8" = 1'-0"



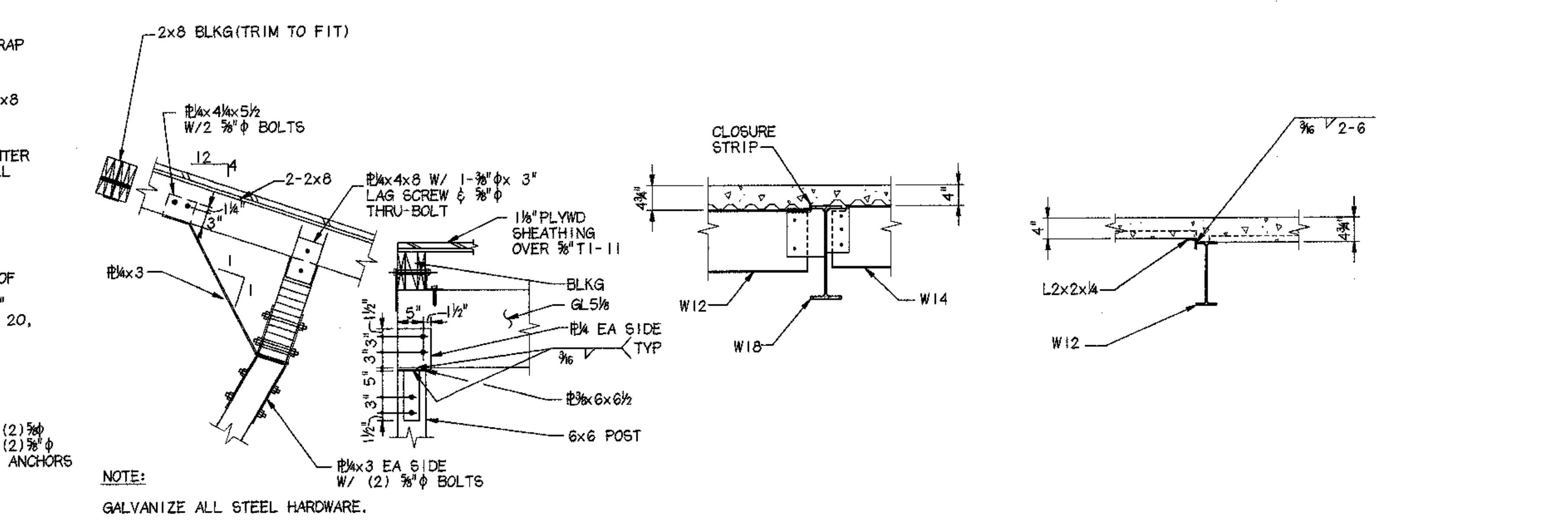
13 SECTION 3/8" = 1'-0"
14 SECTION 3/8" = 1'-0"
15 DETAIL 3/8" = 1'-0"



16 DETAIL 3/8" = 1'-0"
17 SECTION 3/8" = 1'-0"
18 DETAIL 3/8" = 1'-0"

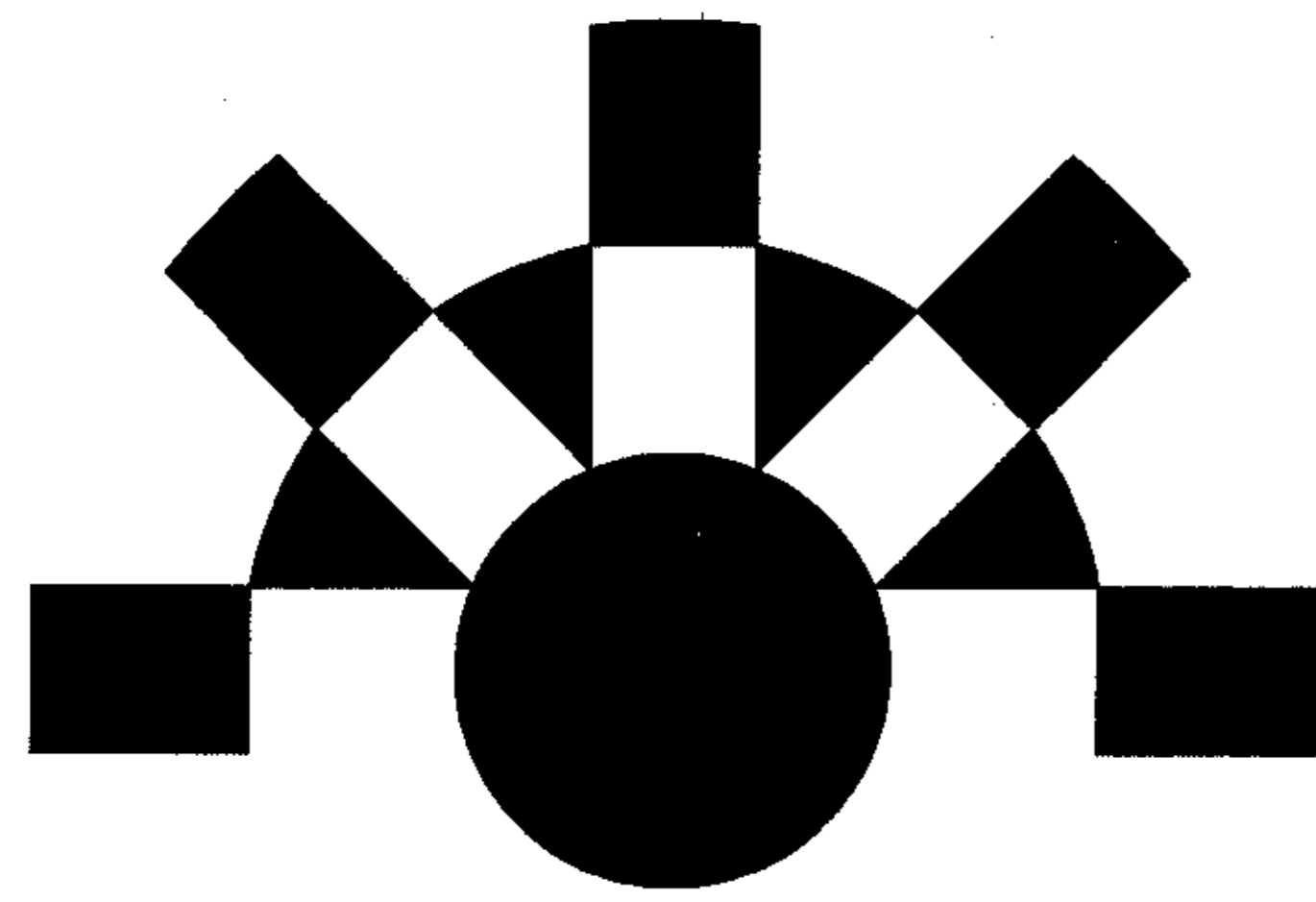


19 DETAIL 3/8" = 1'-0"
20 SECTION 3/8" = 1'-0"
21 SECTION 3/8" = 1'-0"



22 GRID 7 ELEVATION 3/8" = 1'-0"
23 SECTION 3/8" = 1'-0"
24 SECTION 3/8" = 1'-0"

LAST PLOT DATE: 4/6/98
 14/000/5565/51/ANHC55-4.DGN



ALASKA NATIVE HERITAGE CENTER

ALASKA NATIVE HERITAGE CENTER ANCHORAGE, ALASKA Phase II - Core and Shell

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An Alaska Corporation 909 W. 9th Avenue, Suite 500 Anchorage, Alaska 99501 907/258-7777 FAX 907/279-8195

CIVIL ENGINEERS
DOWL ENGINEERS
4040 "B" Street
Anchorage, Alaska 99503

STRUCTURAL ENGINEERS
ANDERSEN BJORNSTAD KANE JACOBS, INC.
1400 West Benson Boulevard, Suite 500
Anchorage, Alaska 99503

MECHANICAL & ELECTRICAL ENGINEERS
MBA CONSULTING ENGINEERS, INC.
3812 Spenard Road, Suite 200
Anchorage, Alaska 99517

INTERIOR DESIGN
INTERIOR SPACE DESIGN
400 D Street, Suite 300
Anchorage, Alaska 99501

LIGHTING
SPECTRUM DESIGN
2701 Kobuk Court
Anchorage, Alaska 99508

COST ESTIMATION
HMS, INC.
4103 Minnesota Drive
Anchorage, Alaska 99503

Project Description

A CULTURAL FACILITY FOR THE DISPLAY OF EXHIBITS AND ART ASSOCIATED WITH THE ALASKA NATIVE CULTURES, AND THE ASSEMBLY OF PEOPLE TO PARTICIPATE IN CULTURAL AND EDUCATIONAL ACTIVITIES. THE USE INCLUDES AREAS FOR THE EXECUTION AND EXHIBITION OF NATIVE ARTIFACTS, MEETING AREAS FOR PERFORMANCE AND EDUCATION, AND ANCILLARY AREAS FOR ADMINISTRATION, GIFT SALES, A COFFEE SHOP, AND TOILETS, MECHANICAL SPACES, ETC.

THE BUILDING IS APPROXIMATELY 28,000 SQUARE FEET IN AREA. CONSTRUCTION IS WOOD FRAMING WITH CONCRETE SLAB ON GRADE AND CONCRETE FOUNDATION WALLS. THE BUILDING IS SPLIT LEVEL WITH THE MECHANICAL ROOM LOCATED BELOW THE UPPER LEVEL.

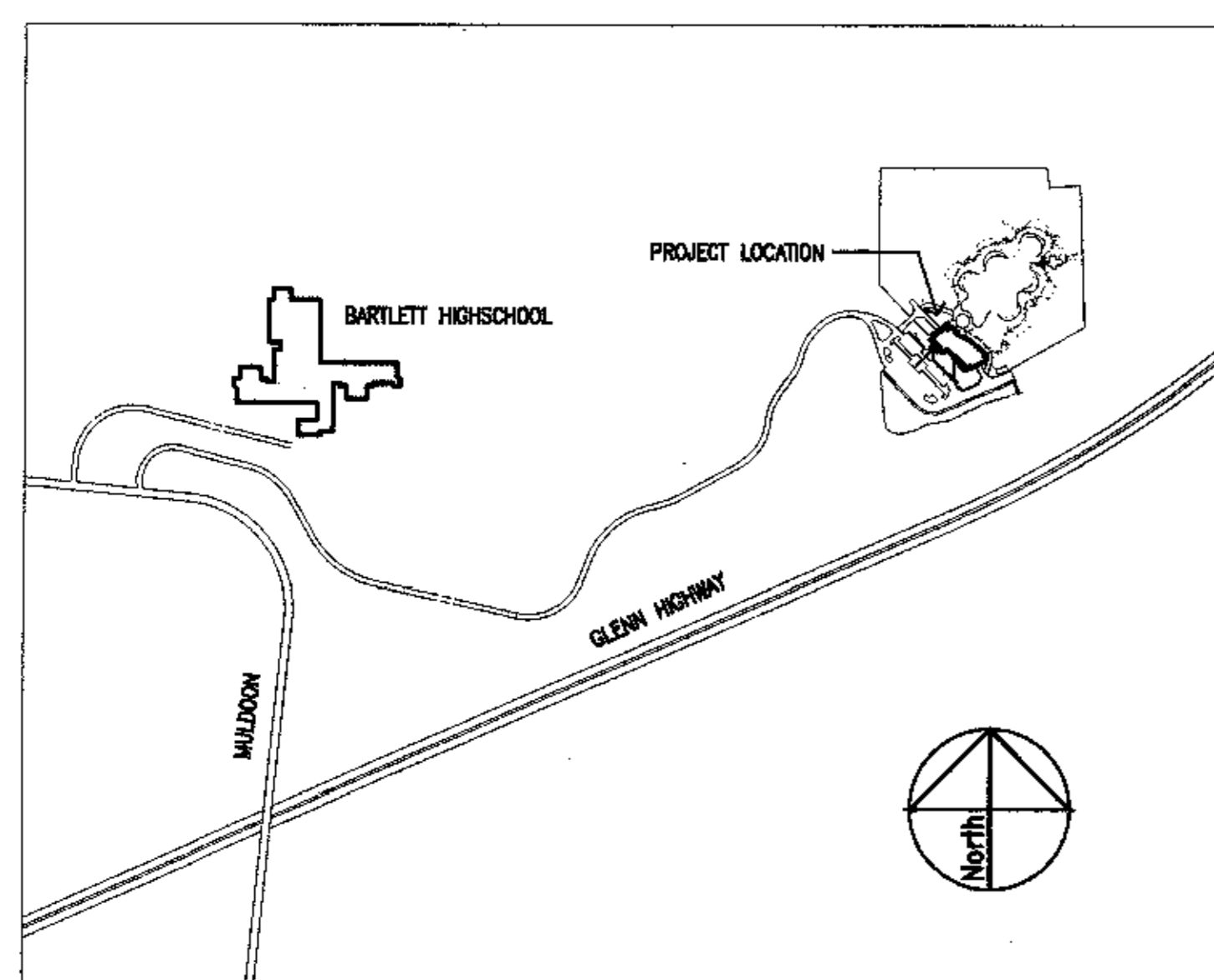
THE BUILDING SITS ON AN APPROXIMATELY 14 ACRE SITE. SITE WORK INCLUDES CONSTRUCTION OF A POND, MAINTENANCE BUILDING, PUMP HOUSE, AND ASPHALT PARKING LOT. THE POND WILL BE SURROUNDED BY A PERIMETER TRAIL THAT WILL CONNECT FIVE GRAVEL PADS THAT WILL BE USED FOR THE RECONSTRUCTION OF ALASKA NATIVE VILLAGES EXHIBITS.

THESE DOCUMENTS DESCRIBE PHASE II OF III OF THE SITE WORK AND PHASE II OF III OF THE BUILDING. FOR A MORE COMPLETE DESCRIPTION OF THE SCOPE OF WORK PLEASE REFER TO DIVISION 0 OF THE BIDDING REQUIREMENTS AND DIVISION 1 OF THE CONTRACT DOCUMENTS OF THE PROJECT MANUAL.

Legal Description

TRACT 1, CRI GLENN SUBDIVISION, ANCHORAGE, ALASKA.

Project Location



Code Analysis

THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1994 UNIFORM BUILDING CODE AND UNIFORM FIRE CODE AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE AND THE STATE OF ALASKA.

ACCESSIBILITY FOR THE DISABLED HAS BEEN PROVIDED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES FOR BUILDINGS AND FACILITIES.

| OCCUPANCY CLASSIFICATION | |
|---|-------------------|
| LOBBY, GATHERING PLACE, EXHIBIT/STUDIOS, CROSSROADS | A2.1 |
| THEATER | A3 |
| GIFTSHOP | M |
| ADMIN./STAFF | B - LESS THAN 25% |
| MECHANICAL | S2 |

| CONSTRUCTION TYPE: | TYPE V, 1 HOUR |
|--------------------|----------------|
|--------------------|----------------|

| FIRE PROTECTION: | FULLY SPRINKLERED |
|------------------|-------------------|
|------------------|-------------------|

| RATED ELEMENTS AND ASSEMBLIES: | |
|---|--|
| 1 HOUR OCCUPANCY SEPARATION AT BOILER AND GENERATOR ROOMS | |
| 1 HOUR PROTECTION OF ALL PRIMARY STRUCTURAL MEMBERS | |
| 1 HOUR PROTECTION OF ALL EXTERIOR WALLS | |
| 1 HOUR PROTECTION OF ALL PERMANENT INTERIOR PARTITIONS | |
| 1 HOUR ROOF/CEILING ASSEMBLY | |
| 1 HOUR FLOOR/CEILING ASSEMBLY | |
| 1 HOUR CORRIDOR AT ADMINISTRATION AREA | |

| ALLOWABLE BUILDING AREA: | |
|---------------------------------|-----------|
| BASIC ALLOWABLE: | 10,500 SF |
| SEPERATION ON FOUR SIDES: | 10,500 SF |
| INCREASE FOR FULLY SPRINKLERED: | x2 |
| TOTAL ALLOWABLE: | 42,000 SF |

| ACTUAL BUILDING AREA: | |
|----------------------------|-----------|
| FIRST FLOOR: | 23,800 SF |
| SUB-GRADE MECHANICAL ROOM: | 4,400 SF |
| TOTAL AREA: | 28,200 SF |

| ALLOWABLE BUILDING HEIGHT: | TWO STORIES |
|----------------------------|-------------|
|----------------------------|-------------|

| ACTUAL HEIGHT: | ONE STORY |
|----------------|-----------|
|----------------|-----------|

| OCCUPANT LOAD: | AREA (SF) | O.L.F. | OCCUPANT LOAD | EXITS REQ'D |
|--------------------|-----------|--------|---------------|-------------|
| LOBBY | 2000 | 15 | 133 | 2 |
| GIFTSHOP | 1050 | 30 | 35 | 1 |
| GATHERING PLACE | 2500 | 15 | 167 | 2 |
| CROSSROADS | 1075 | 7 | 154 | 2 |
| THEATER | 1540 | 15 | 103 | 2 |
| EXHIBIT AREA | 4450 | 15 | 297 | 2 |
| STUDIO SPACES (5) | 1400 | 15 | 90 | 1 EA. |
| ADMIN./STAFF | 2535 | 100 | 25 | 1 EA. |
| SUPPORT | 3300 | - | - | - |
| MECHANICAL | 3760 | 300 | 13 | 2 |
| WALLS, CIRCULATION | 4640 | - | - | - |
| TOTAL | 28,200 | | 1017 | |

TRAVEL DISTANCE:
MAXIMUM TRAVEL DISTANCE TO EXITS IS LESS THAN 200 FEET.

PARKING REQUIREMENTS:
IN TERMS OF THE MUNICIPAL CODE TITLE 21, SECTION 21.45.080 F, AND THE UBC THE PROPOSED USE FOR THE PURPOSES OF PARKING SPACE CALCULATION IS MOST SIMILAR TO AN ASSEMBLY SPACE, LESS CONCENTRATED USE (EXHIBIT ROOMS) AND OFFICES.

MINIMUM OFF STREET PARKING REQUIREMENTS FOR THESE USES ARE ONE PARKING SPACE FOR EVERY FOUR SEATS IN THE PRINCIPAL ASSEMBLY ROOM(S), AND ONE SPACE FOR EVERY 300 SF OF OFFICE/RETAIL AREA.

| PARKING SPACES REQUIRED: | |
|---|------------------------|
| PRINCIPAL ASSEMBLY SPACES - (GATHERING PLACE, THEATER, EXHIBIT AREA, LOBBY) | 10490 SF/15/4 = 174.83 |
| OFFICE/RETAIL - (GIFTSHOP, ADMIN./STAFF, STUDIOS) | 4935 SF/300 = 16.45 |
| TOTAL | 191.28 |

| PARKING PROVIDED: | 192 SPACES |
|-------------------|------------|
|-------------------|------------|

| DESIGN CRITERIA: | |
|---------------------|-----------------|
| WIND SPEED: | 100 MPH |
| WIND EXPOSURE | B |
| SEISMIC ZONE | 4 |
| ROOF CLASSIFICATION | CLASS B ROOFING |

Project General Notes:

- ALL WORK SHALL CONFORM TO THE CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE UNIFORM BUILDING AND PLUMBING CODES AND OTHER STANDARDS AND AMENDMENTS AS ADOPTED BY THE MUNICIPALITY OF ANCHORAGE, ALASKA AS OF THE DATE OF THESE DOCUMENTS. WORK MUST ALSO CONFORM TO ACCESSIBILITY GUIDELINES IDENTIFIED BY THE AMERICANS WITH DISABILITIES ACT (ADAAG).
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AT THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- DRAWINGS SCALES THAT ARE INDICATED RELATE TO FULL SIZED DRAWINGS (30 X 42 INCHES). SCALES WHICH APPEAR ON THE DRAWINGS OTHER THAN FULL SIZE SHOULD BE PROPORTIONALLY ADJUSTED.
- CONTRACT DOCUMENTS INDICATE FINAL CONDITIONS. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION AND NEW WORK REQUIRED TO PRODUCE THE FINAL CONDITIONS SHOWN.

Index to Drawings:

| | | | |
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| T0.1 | TITLE SHEET | S-0.1 | GENERAL NOTES AND ABBREVIATIONS |
| C1.1 | NOTES, LEGEND, AND ABBREVIATIONS | S-1.1 | BASEMENT PLAN |
| C1.2 | VICINITY PLAN | S-1.2 | FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN |
| C2.1 | SITE GRADING PLAN | S-2.1 | ROOF FRAMING PLAN |
| C2.2 | SITE GRADING PLAN | S-4.1 | FOUNDATION SECTIONS AND DETAILS |
| C3.1 | SITE SECTIONS AND DETAILS | S-5.1 | FOUNDATION SECTIONS AND DETAILS |
| C3.2 | SITE SECTIONS AND DETAILS | S-5.2 | FRAMING SECTIONS AND DETAILS |
| C4.1 | LANDSCAPE PLAN | S-5.3 | FRAMING SECTIONS AND DETAILS |
| C4.2 | LANDSCAPE PLAN | S-5.4 | MISC. SECTIONS AND DETAILS |
| C5.1 | LANDSCAPE DETAILS | M-1 | LEGEND & SCHEDULES |
| C6.1 | WATER SERVICE PLAN | M-2 | UNDERFLOOR PLUMBING AND HEATING PLANS |
| C7.1 | SEWER SERVICE PLAN & PROFILE | M-3 | UNDERFLOOR PLUMBING PLAN |
| C8.1 | UTILITY DETAILS | M-4 | PLUMBING PLAN |
| C9.1 | ACCESS DRIVE PLAN & PROFILE | M-5 | VENTILATION FLOOR PLAN |
| C9.2 | ACCESS DRIVE PLAN & PROFILE | M-6 | MECHANICAL ROOM PLAN |
| C9.3 | ACCESS DRIVE PLAN & DETAILS | M-7 | MECHANICAL ROOM SECTIONS & DETAILS |
| C10.1 | ACCESS DRIVE SECTIONS & DETAILS | M-8 | BOILER ROOM ISOMETRIC AND DETAILS |
| C11.1 | BORROW/DISPOSAL AREA SITE PLAN | M-9 | DETAILS |
| L1 | SITE PLAN | E-1.1 | PARKING LOT LIGHTING PLAN AND LEGEND |
| A0.1 | GENERAL NOTES, EXTERIOR WALL TYPES AND FIRE RATED ASSEMBLIES | E-1.2 | ACCESS DRIVE LIGHTING DETAILS |
| A1.1 | FLOOR PLAN | E-2 | LIGHTING PLAN |
| A1.2 | MECHANICAL ROOM FLOOR & REFLECTED CEILING PLANS | E-3 | POWER PLAN |
| A1.3 | MECHANICAL ROOM FLOOR & REFLECTED CEILING PLANS | E-4 | SPECIAL SYSTEMS PLAN |
| A1.4 | REFLECTED CEILING PLAN | E-5 | MECHANICAL ROOM ELECTRICAL PLAN |
| A1.5 | ROOF PLAN | E-6 | POWER ONE-LINE DIAGRAM |
| A2.1 | OPENING SCHEDULES | | |
| A3.1 | EXTERIOR ELEVATIONS | | |
| A4.1 | BUILDING SECTIONS | | |
| A4.2 | WALL SECTIONS | | |
| A4.3 | WALL SECTIONS | | |
| A4.4 | WALL SECTIONS | | |
| A6.1 | EXTERIOR DETAILS | | |
| A6.2 | OPENING DETAILS | | |
| A6.3 | OPENING DETAILS | | |
| A6.4 | EXTERIOR DETAILS | | |
| A6.5 | COLUMN & CRICKET DETAILS | | |



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Phone 907/258-7777
FAX 907/279-8195
An Alaska Corporation

ALASKA NATIVE HERITAGE CENTER
ANHIC
ANCHORAGE, ALASKA
TITLE SHEET

Revisions

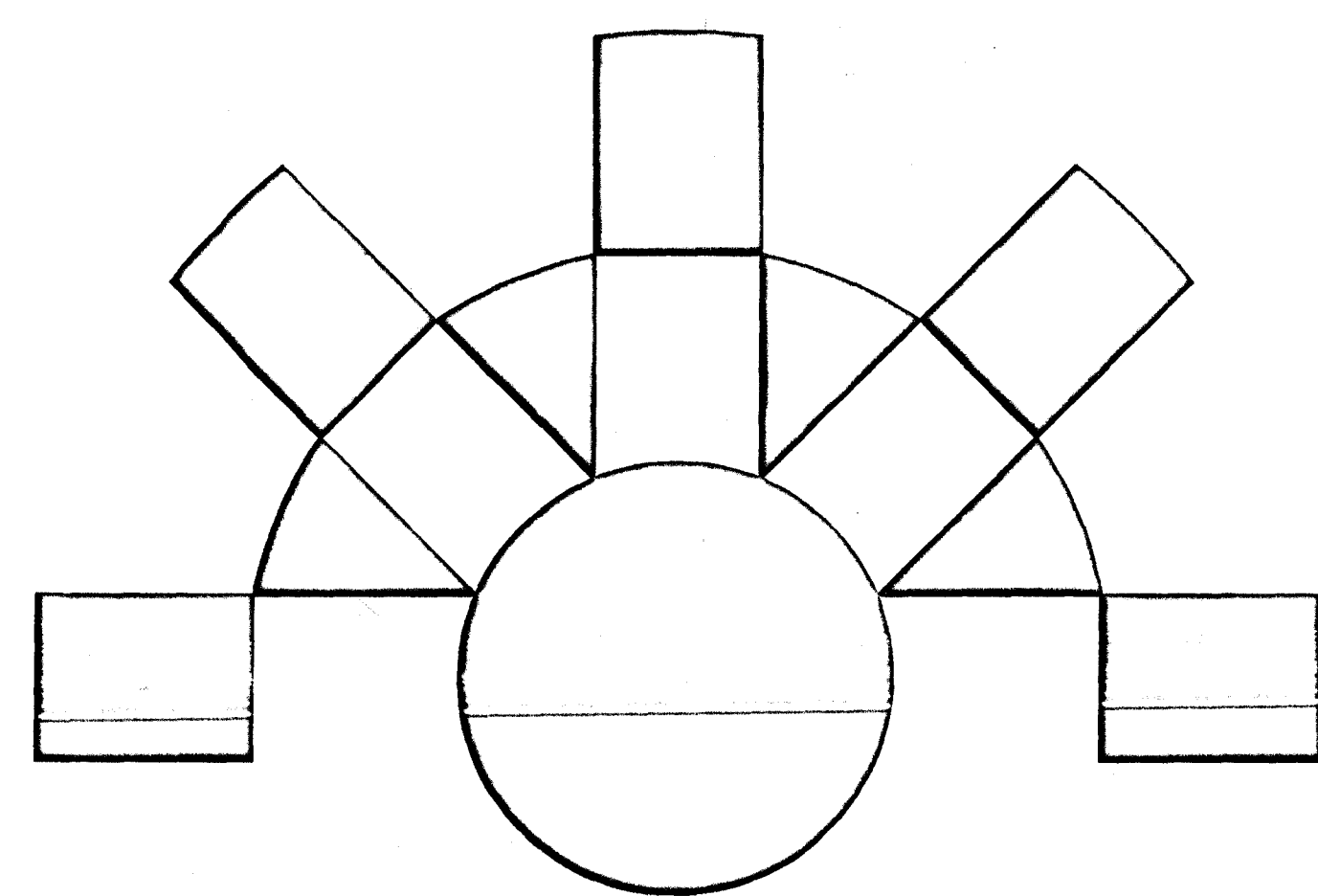
CONFORMED
DRAWINGS

Date 04/17/98
Drawn FWP, MLT, PMD
Checked RRR
Job No. 95023

Sheet No.

T0.1

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ALASKA NATIVE HERITAGE CENTER

ALASKA NATIVE HERITAGE CENTER ANCHORAGE, ALASKA Phase II - Core and Shell

Cash Barner Architects

An Alaska Corporation 909 W. 9th Avenue, Suite 500 Anchorage, Alaska 99501 907/258-7777 FAX 907/279-8195

CIVIL ENGINEERS
DOWL ENGINEERS
4040 "B" Street
Anchorage, Alaska 99503

STRUCTURAL ENGINEERS
ANDERSEN BJORNSTAD KANE JACOBS, INC.
1400 West Benson Boulevard, Suite 500
Anchorage, Alaska 99503

MECHANICAL & ELECTRICAL ENGINEERS
MBA CONSULTING ENGINEERS, INC.
3812 Spenard Road, Suite 200
Anchorage, Alaska 99517

INTERIOR DESIGN
INTERIOR SPACE DESIGN
400 D Street, Suite 300
Anchorage, Alaska 99501

LIGHTING
SPECTRUM DESIGN
2701 Kobuk Court
Anchorage, Alaska 99508

COST ESTIMATION
HMS, INC.
4103 Minnesota Drive
Anchorage, Alaska 99503

Project Description

A CULTURAL FACILITY FOR THE DISPLAY OF EXHIBITS AND ART ASSOCIATED WITH THE ALASKA NATIVE CULTURES, AND THE ASSEMBLY OF PEOPLE TO PARTICIPATE IN CULTURAL AND EDUCATIONAL ACTIVITIES. THE USE INCLUDES AREAS FOR THE EXECUTION AND EXHIBITION OF NATIVE ARTIFACTS, MEETING AREAS FOR PERFORMANCE AND EDUCATION, AND ANGLIARY AREAS FOR ADMINISTRATION, GIFT SALES, A COFFEE SHOP, AND TOILETS, MECHANICAL SPACES, ETC.

THE BUILDING IS APPROXIMATELY 28,000 SQUARE FEET IN AREA. CONSTRUCTION IS WOOD FRAMING WITH CONCRETE SLAB ON GRADE AND CONCRETE FOUNDATION WALLS. THE BUILDING IS SPLIT LEVEL WITH THE MECHANICAL ROOM LOCATED BELOW THE UPPER LEVEL.

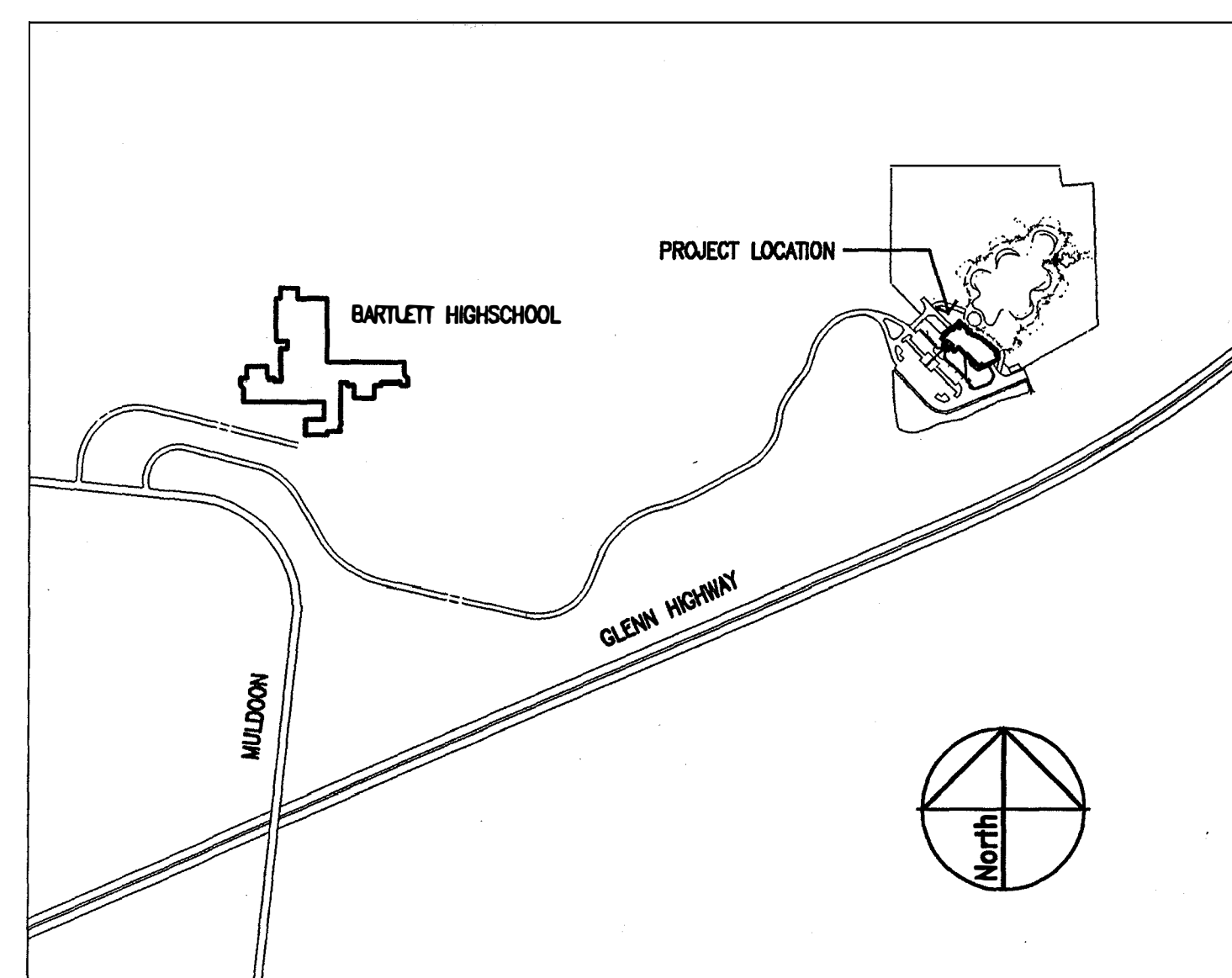
THE BUILDING SITS ON AN APPROXIMATELY 14 ACRE SITE. SITE WORK INCLUDES CONSTRUCTION OF A POND, MAINTENANCE BUILDING, PUMP HOUSE, AND ASPHALT PARKING LOT. THE POND WILL BE SURROUNDED BY A PERIMETER TRAIL THAT WILL CONNECT FIVE GRAVEL PADS THAT WILL BE USED FOR THE RECONSTRUCTION OF ALASKA NATIVE VILLAGES EXHIBITS.

THESE DOCUMENTS DESCRIBE PHASE II OF III OF THE SITE WORK AND PHASE II OF III OF THE BUILDING. FOR A MORE COMPLETE DESCRIPTION OF THE SCOPE OF WORK PLEASE REFER TO DIVISION 0 OF THE BIDDING REQUIREMENTS AND DIVISION 1 OF THE CONTRACT DOCUMENTS OF THE PROJECT MANUAL.

Legal Description

TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, ALASKA.

Project Location



Code Analysis

THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1994 UNIFORM BUILDING CODE AND UNIFORM FIRE CODE AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE AND THE STATE OF ALASKA.

ACCESSIBILITY FOR THE DISABLED HAS BEEN PROVIDED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES FOR BUILDINGS AND FACILITIES.

| OCCUPANCY CLASSIFICATION | |
|---|-------------------|
| LOBBY, GATHERING PLACE, EXHIBIT/STUDIOS, CROSSROADS | A2.1 |
| THEATER | A3 |
| GIFTSHOP | M |
| ADMIN./STAFF | B - LESS THAN 25% |
| MECHANICAL | S2 |

CONSTRUCTION TYPE: TYPE V, 1 HOUR

FIRE PROTECTION: FULLY SPRINKLERED

| RATED ELEMENTS AND ASSEMBLIES: | |
|---|--|
| 1 HOUR OCCUPANCY SEPARATION AT BOILER AND GENERATOR ROOMS | |
| 1 HOUR PROTECTION OF ALL PRIMARY STRUCTURAL MEMBERS | |
| 1 HOUR PROTECTION OF ALL EXTERIOR WALLS | |
| 1 HOUR PROTECTION OF ALL PERMANENT INTERIOR PARTITIONS | |
| 1 HOUR ROOF/CEILING ASSEMBLY | |
| 1 HOUR FLOOR/CEILING ASSEMBLY | |
| 1 HOUR CORRIDOR AT ADMINISTRATION AREA | |

| ALLOWABLE BUILDING AREA: | |
|---------------------------------|-----------|
| BASIC ALLOWABLE: | 10,500 SF |
| SEPERATION ON FOUR SIDES: | 10,500 SF |
| INCREASE FOR FULLY SPRINKLERED: | 22 |
| TOTAL ALLOWABLE: | 42,000 SF |

| ACTUAL BUILDING AREA: | |
|----------------------------|-----------|
| FIRST FLOOR: | 23,800 SF |
| SUB-GRADE MECHANICAL ROOM: | 4,400 SF |
| TOTAL AREA: | 28,200 SF |

ALLOWABLE BUILDING HEIGHT: TWO STORIES

ACTUAL HEIGHT: ONE STORY

| OCCUPANT LOAD: | AREA (SF) | O.L.F. | OCCUPANT LOAD | EXITS REQ'D |
|--------------------|-----------|--------|---------------|-------------|
| LOBBY | 2000 | 15 | 133 | 2 |
| GIFTSHOP | 1050 | 30 | 35 | 1 |
| GATHERING PLACE | 2500 | 15 | 167 | 2 |
| CROSSROADS | 1075 | 7 | 154 | 2 |
| THEATER | 1540 | 15 | 103 | 2 |
| EXHIBIT AREA | 4450 | 15 | 297 | 2 |
| STUDIO SPACES (5) | 1400 | 15 | 90 | 1 EA. |
| ADMIN./STAFF | 2535 | 100 | 25 | 1 EA. |
| SUPPORT | 3300 | - | - | - |
| MECHANICAL | 3760 | 300 | 13 | 2 |
| WALLS, CIRCULATION | 4640 | - | - | - |
| TOTAL | 28,200 | | 1017 | |

TRAVEL DISTANCE:
MAXIMUM TRAVEL DISTANCE TO EXITS IS LESS THAN 200 FEET.

PARKING REQUIREMENTS:
IN TERMS OF THE MUNICIPAL CODE TITLE 21, SECTION 21.45.080 F, AND THE UBC THE PROPOSED USE FOR THE PURPOSES OF PARKING SPACE CALCULATION IS MOST SIMILAR TO AN ASSEMBLY SPACE, LESS CONCENTRATED USE (EXHIBIT ROOMS) AND OFFICES.

MINIMUM OFF STREET PARKING REQUIREMENTS FOR THESE USES ARE ONE PARKING SPACE FOR EVERY FOUR SEATS IN THE PRINCIPAL ASSEMBLY ROOM(S), AND ONE SPACE FOR EVERY 300 SF OF OFFICE/RETAIL AREA.

| PARKING SPACES REQUIRED: | |
|---|------------------------|
| PRINCIPAL ASSEMBLY SPACES - (GATHERING PLACE, THEATER, EXHIBIT AREA, LOBBY) | 10490 SF/15/4 = 174.83 |
| OFFICE/RETAIL - (GIFTSHOP, ADMIN./STAFF, STUDIOS) | 4935 SF/300 = 16.45 |
| TOTAL | 191.28 |

PARKING PROVIDED: 192 SPACES

| DESIGN CRITERIA: | |
|---------------------|-----------------|
| WIND SPEED: | 100 MPH |
| WIND EXPOSURE | B |
| SEISMIC ZONE | 4 |
| ROOF CLASSIFICATION | CLASS B ROOFING |

Project General Notes:

- ALL WORK SHALL CONFORM TO THE CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE UNIFORM BUILDING AND PLUMBING CODES AND OTHER STANDARDS AND AMENDMENTS AS ADOPTED BY THE MUNICIPALITY OF ANCHORAGE, ALASKA AS OF THE DATE OF THESE DOCUMENTS. WORK MUST ALSO CONFORM TO ACCESSIBILITY GUIDELINES IDENTIFIED BY THE AMERICANS WITH DISABILITIES ACT (ADAAG).
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AT THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- DRAWINGS SCALES THAT ARE INDICATED RELATE TO FULL SIZED DRAWINGS (30 X 42 INCHES). SCALES WHICH APPEAR ON THE DRAWINGS OTHER THAN FULL SIZE SHOULD BE PROPORTIONALLY ADJUSTED.
- CONTRACT DOCUMENTS INDICATE FINAL CONDITIONS. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION AND NEW WORK REQUIRED TO PRODUCE THE FINAL CONDITIONS SHOWN.

Index to Drawings:

| | | | |
|-------|--|-------|---|
| T0.1 | TITLE SHEET | S-0.1 | GENERAL NOTES AND ABBREVIATIONS |
| C1.1 | NOTES, LEGEND, AND ABBREVIATIONS | S-1.1 | BASEMENT PLAN |
| C1.2 | VICINITY PLAN | S-1.2 | FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN |
| C2.1 | SITE GRADING PLAN | S-2.1 | ROOF FRAMING PLAN |
| C2.2 | SITE GRADING PLAN | S-4.1 | FOUNDATION SECTIONS AND DETAILS |
| C3.1 | SITE SECTIONS AND DETAILS | S-4.2 | FOUNDATION SECTIONS AND DETAILS |
| C3.2 | SITE SECTIONS AND DETAILS | S-5.1 | FRAMING SECTIONS AND DETAILS |
| C4.1 | LANDSCAPE PLAN | S-5.2 | FRAMING SECTIONS AND DETAILS |
| C4.2 | LANDSCAPE PLAN | S-5.3 | FRAMING SECTIONS AND DETAILS |
| C5.1 | LANDSCAPE DETAILS | S-5.4 | MISC. SECTIONS AND DETAILS |
| C6.1 | WATER SERVICE PLAN | M-1 | LEGEND & SCHEDULES |
| C7.1 | SEWER SERVICE PLAN & PROFILE | M-2 | UNDERFLOOR PLUMBING AND HEATING PLANS |
| C8.1 | UTILITY DETAILS | M-3 | UNDERFLOOR PLUMBING PLAN |
| C9.1 | ACCESS DRIVE PLAN & PROFILE | M-4 | PLUMBING PLAN |
| C9.2 | ACCESS DRIVE PLAN & PROFILE | M-5 | VENTILATION FLOOR PLAN |
| C9.3 | ACCESS DRIVE PLAN & DETAILS | M-6 | MECHANICAL ROOMPLAN |
| C10.1 | ACCESS DRIVE SECTIONS & DETAILS | M-7 | MECHANICAL ROOM SECTIONS & DETAILS |
| C11.1 | BORROW/DISPOSAL AREA SITE PLAN | M-8 | BOILER ROOM ISOMETRIC AND DETAILS |
| L1 | SITE PLAN | M-9 | DETAILS |
| A0.1 | GENERAL NOTES, EXTERIOR WALL TYPES AND FIRE RATED ASSEMBLIES | E-1.1 | PARKING LOT LIGHTING PLAN AND LEGEND |
| A1.1 | DIAGRAMMATIC FLOOR PLAN | E-1.2 | ACCESS DRIVE LIGHTING DETAILS |
| A1.2 | FLOOR PLAN | E-2 | LIGHTING PLAN |
| A1.3 | MECHANICAL ROOM FLOOR & REFLECTED CEILING PLANS | E-3 | POWER PLAN |
| A1.4 | REFLECTED CEILING PLAN | E-4 | SPECIAL SYSTEMS PLAN |
| A1.5 | ROOF PLAN | E-5 | MECHANICAL ROOM ELECTRICAL PLAN |
| A2.1 | OPENING SCHEDULES | E-6 | POWER ONE-LINE DIAGRAM |
| A3.1 | EXTERIOR ELEVATIONS | | |
| A4.1 | BUILDING SECTIONS | | |
| A4.2 | WALL SECTIONS | | |
| A4.3 | WALL SECTIONS | | |
| A4.4 | WALL SECTIONS | | |
| A6.1 | EXTERIOR DETAILS | | |
| A6.2 | OPENING DETAILS | | |
| A6.3 | OPENING DETAILS | | |
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An Alaska Corporation

ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
TITLE SHEET

Revisions

CONFORMED
DRAWINGS

Date 04/17/98

Drawn FWP, MLT, PhD

Checked RRR

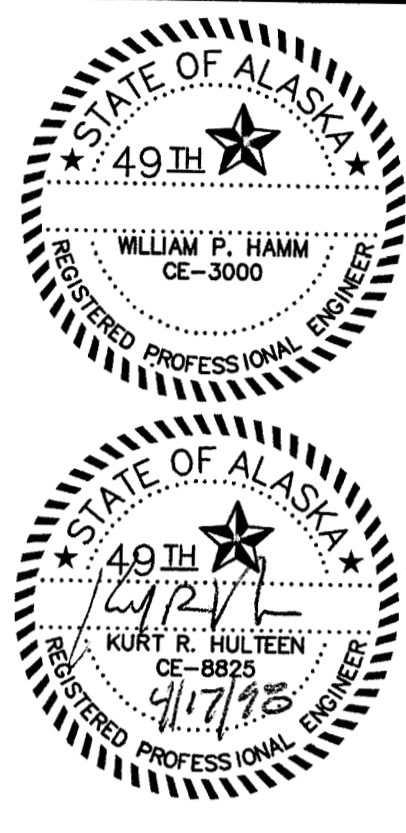
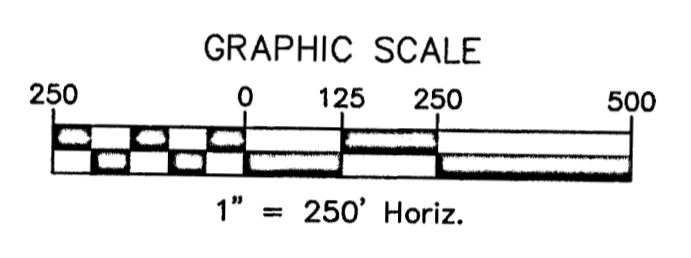
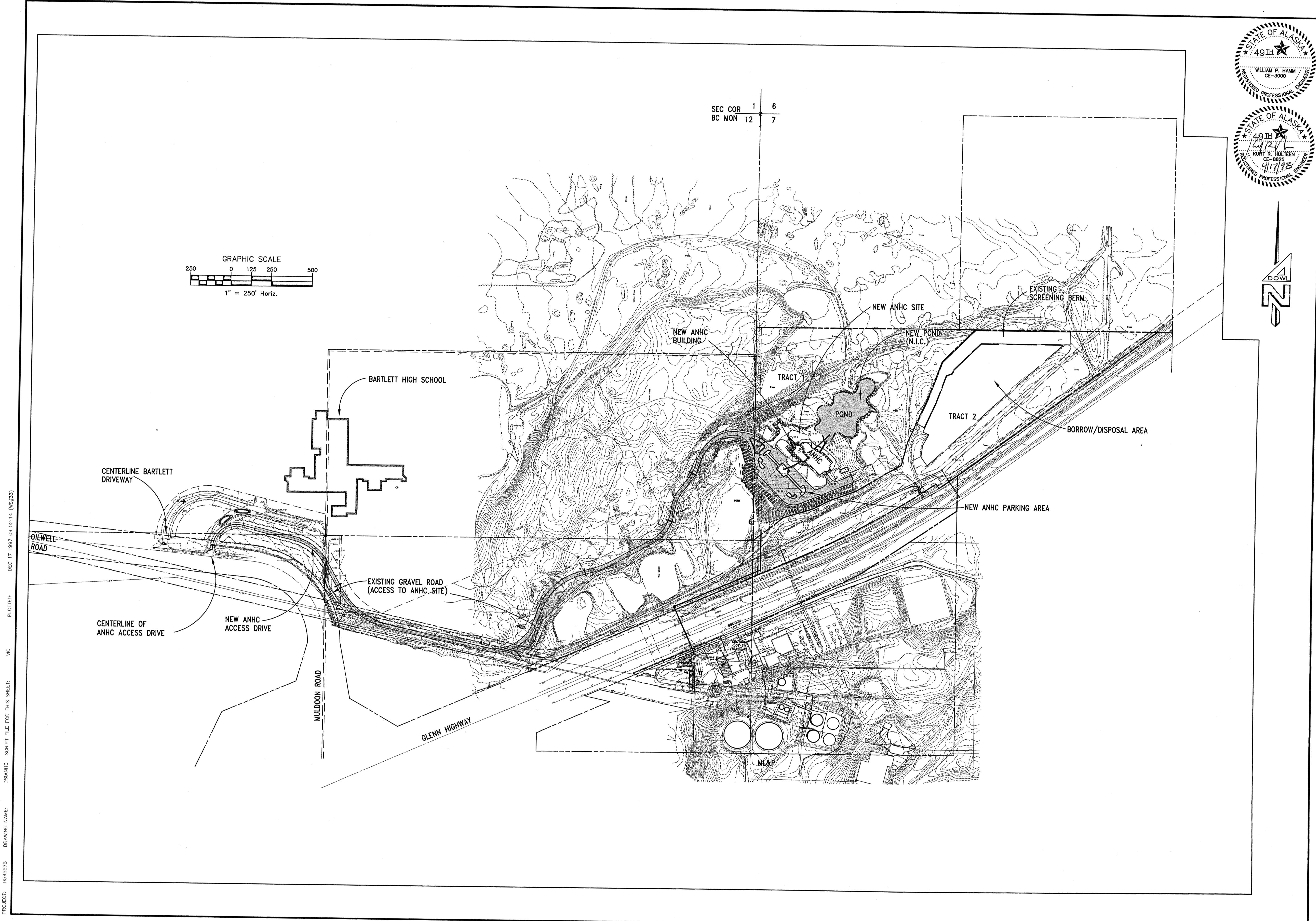
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Sheet No.

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| CHECKED BY | | WPH |
| DRAWN BY | | GLB |
| DATE | 04/17/98 | |
| W.O. NO. | D545578 | |
| F.B. NO. | 865,1108 | |
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| VERT. | | |
| SHEET | | |
| C1.2 | | |
| FILE NO. | 260-80 | |

DOWL ENGINEERS
 Anchorage, Alaska 99503
 4040 "B" Street
 Phone (907) 562-2000
 Fax (907) 562-3993

VICINITY MAP
ALASKA NATIVE HERITAGE CENTER
 TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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 Anchorage, Alaska 99501
 Phone 907/266-7777
 Fax 907/270-6195
 An Alaska Corporation

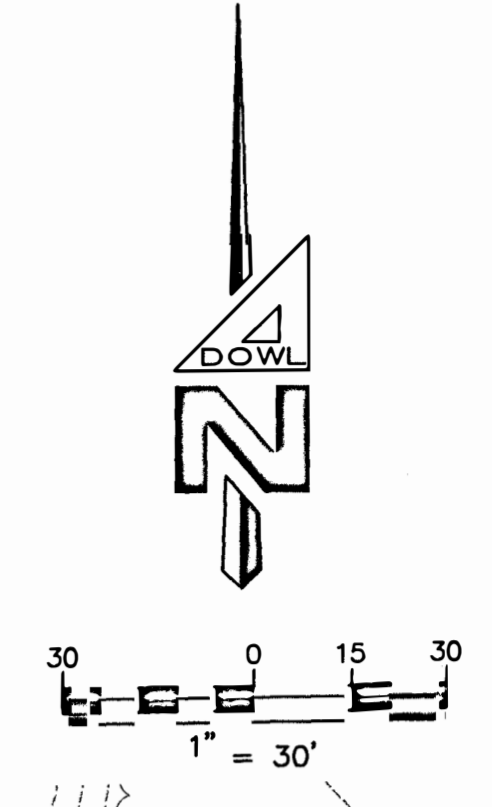
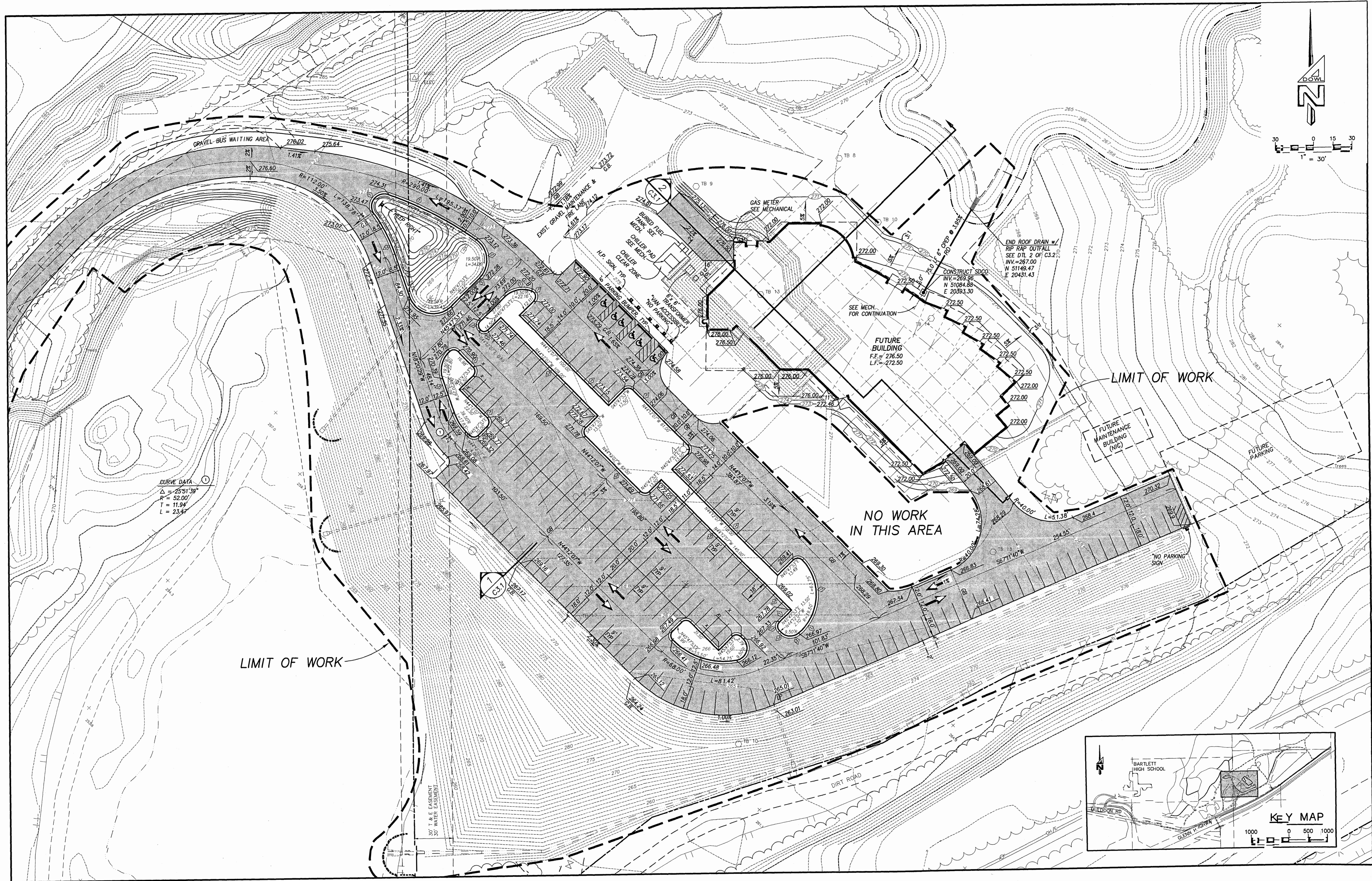
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 VICINITY MAP

Revisions

| | |
|---------|----------|
| Date | 04/17/98 |
| Drawn | GLB |
| Checked | KRH |
| Job No. | 95023 |

Sheet No.
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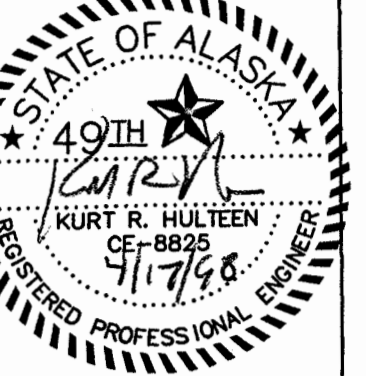
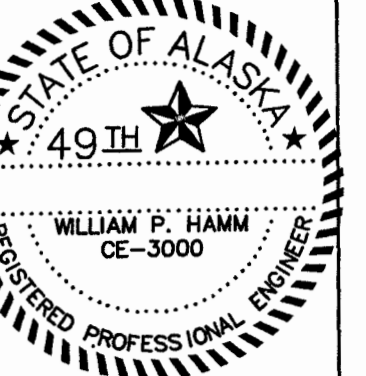
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KEY MAP
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SCALES INDICATED RELATE TO
 30"x42" FULL-SIZE DRAWINGS



Cash Barner Architects
 Anchorage, Alaska 99501
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE ALASKA
 SITE GRADING PLAN

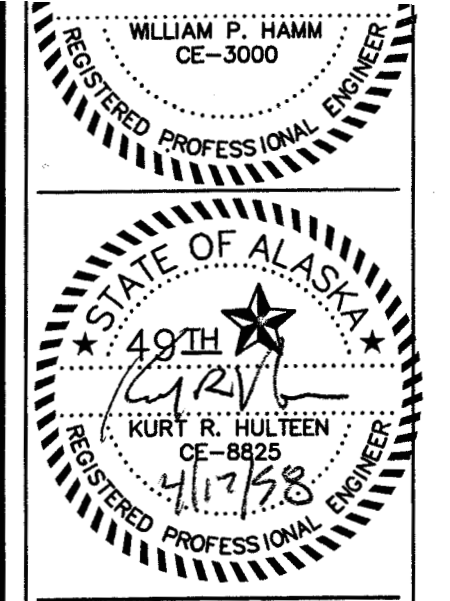
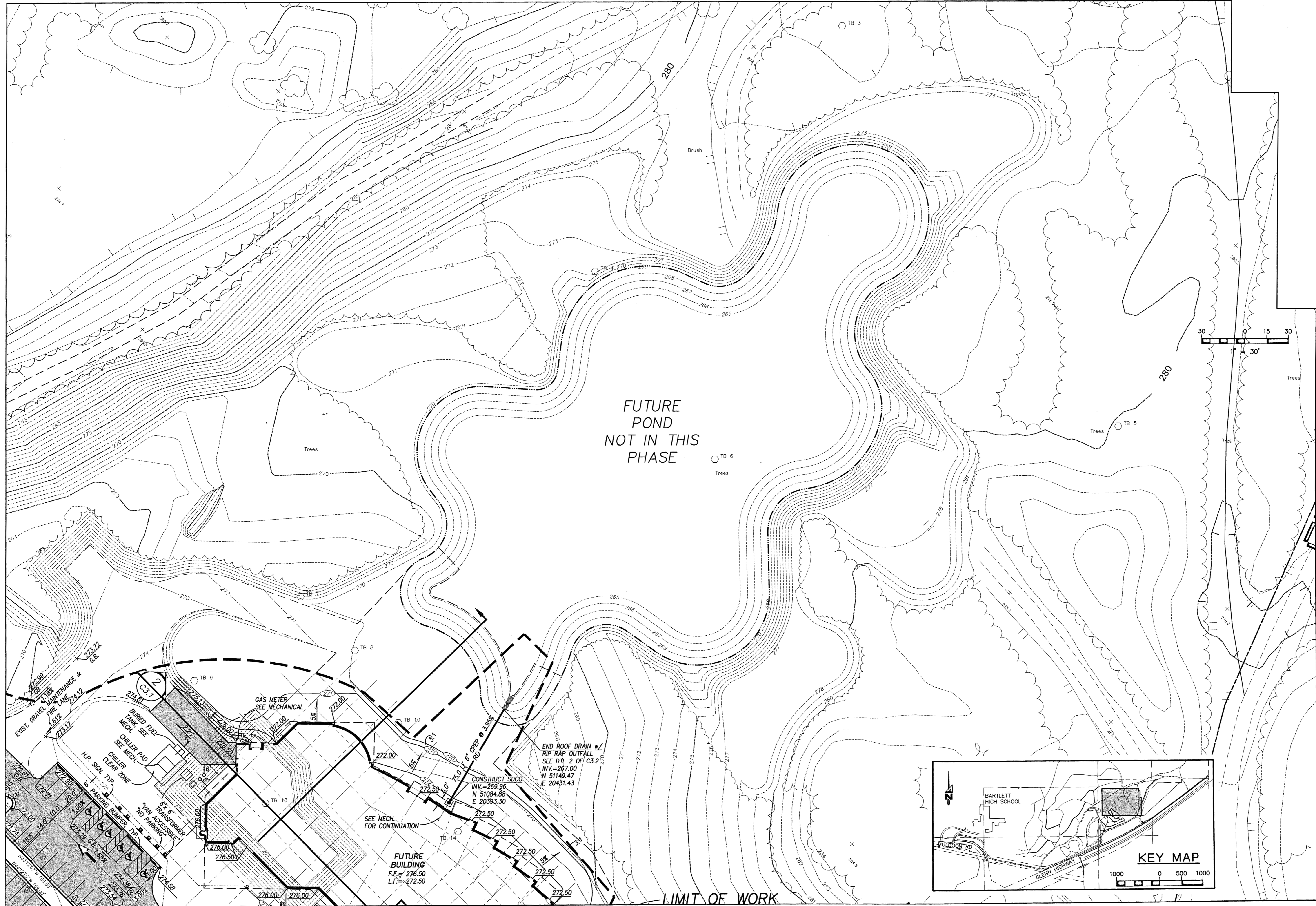
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Date 04/17/98
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FILENAME: D:\4557B\DS\ANHC.DWG SCRIPT FILE: SITE.SCR XREF: XREFBASE.XREFMLP CREATED: DEC 04 1997 12:23:58 UPDATED: APR 16 1998 09:26:25 PLOTTED: APR 16 1998 09:36:10 (WS#59)



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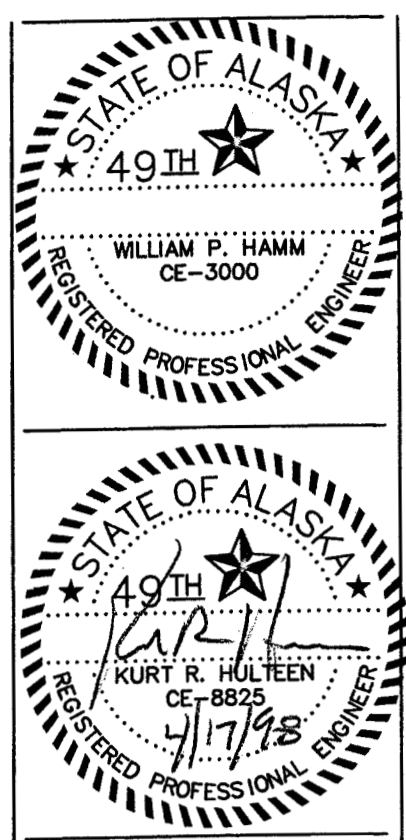
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| Date | 04/17/98 |
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| Job No. | 95023 |

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Sheet No. **C2.2**

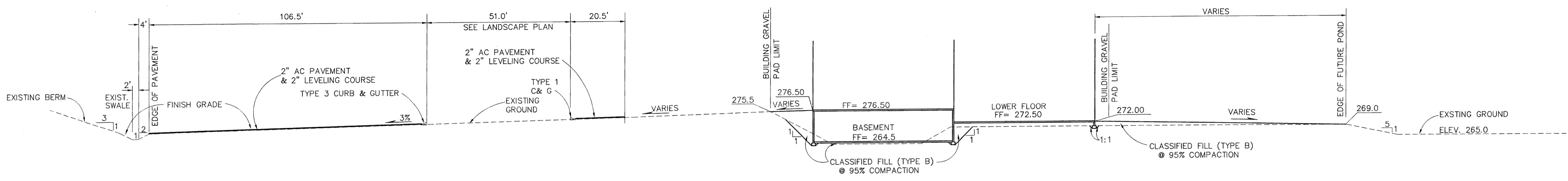
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SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

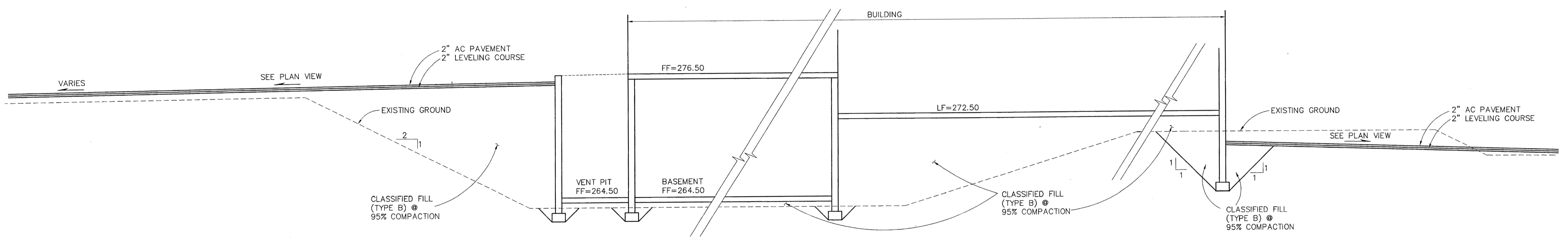


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1
C3.1 Site Section
SCALE: NTS



2
C3.1 Site Section
SCALE: NTS

SITE SECTION NOTES

1. IF EXISTING SOILS QUALIFY AS CLASSIFIED MATERIAL THEY MAY BE INCORPORATED INTO THE WORK. CONTRACTOR SHALL VERIFY QUALITY OF EXISTING SOILS. IN ALL CASES, THE MINIMUM STRUCTURAL FILL SECTIONS SHOWN ON THE PLANS SHALL BE PROVIDED.
2. IN AREAS NOT REQUIRING UTILITY CONSTRUCTION, THE CONTRACTOR SHALL SHAPE AND RECOMPACT THE EXISTING SURFACE TO 95% MINIMUM DENSITY AS REQUIRED FOR PLACEMENT OF BUILDING SLAB AND FOOTINGS. ANY SOILS WHICH ARE DISTURBED, PUMPED, OR RUPTURED BY THE CONSTRUCTION ACTIVITY SHALL BE REDENSIFIED OR REPLACED WITH CLASSIFIED MATERIAL.
3. ALL ORGANIC SOILS ENCOUNTERED SHALL BE REMOVED AND REPLACED WITH CLASSIFIED MATERIAL.
4. THE CONTRACTOR SHALL ADD CLASSIFIED FILL AS REQUIRED TO ESTABLISH TOP OF SUBBASE GRADE UNDER BUILDING SLAB AND UNDER ALL LEVELING COURSE.

ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
SITE SECTIONS AND DETAILS

Revisions

CONFORMED DRAWINGS

Date 04/17/98
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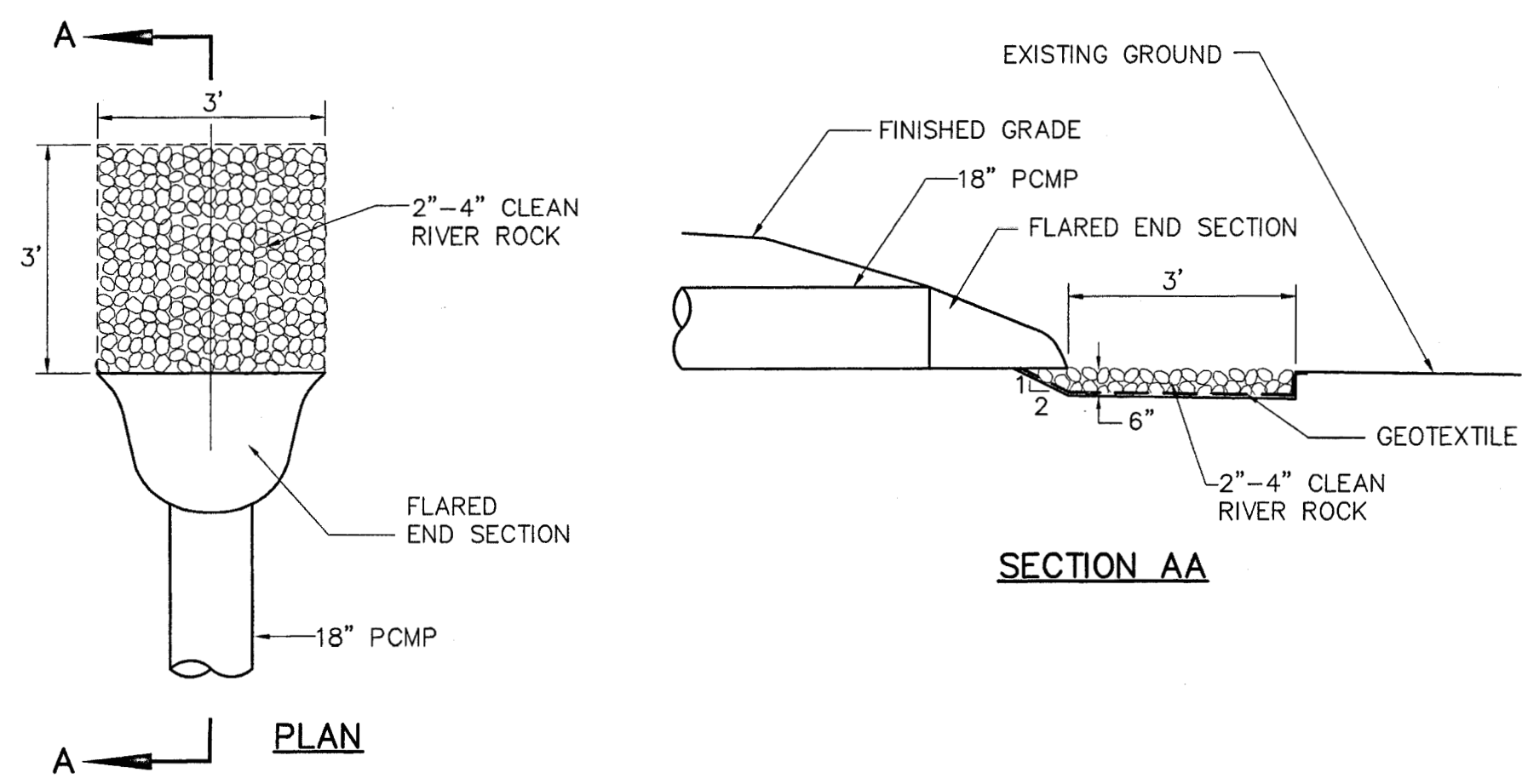
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C3.1

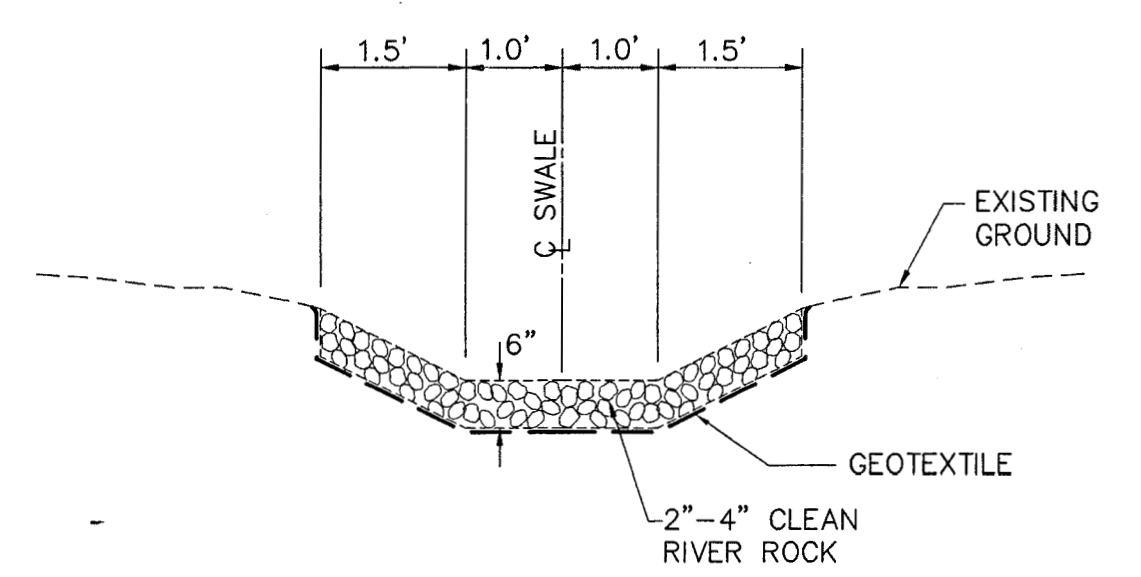
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SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

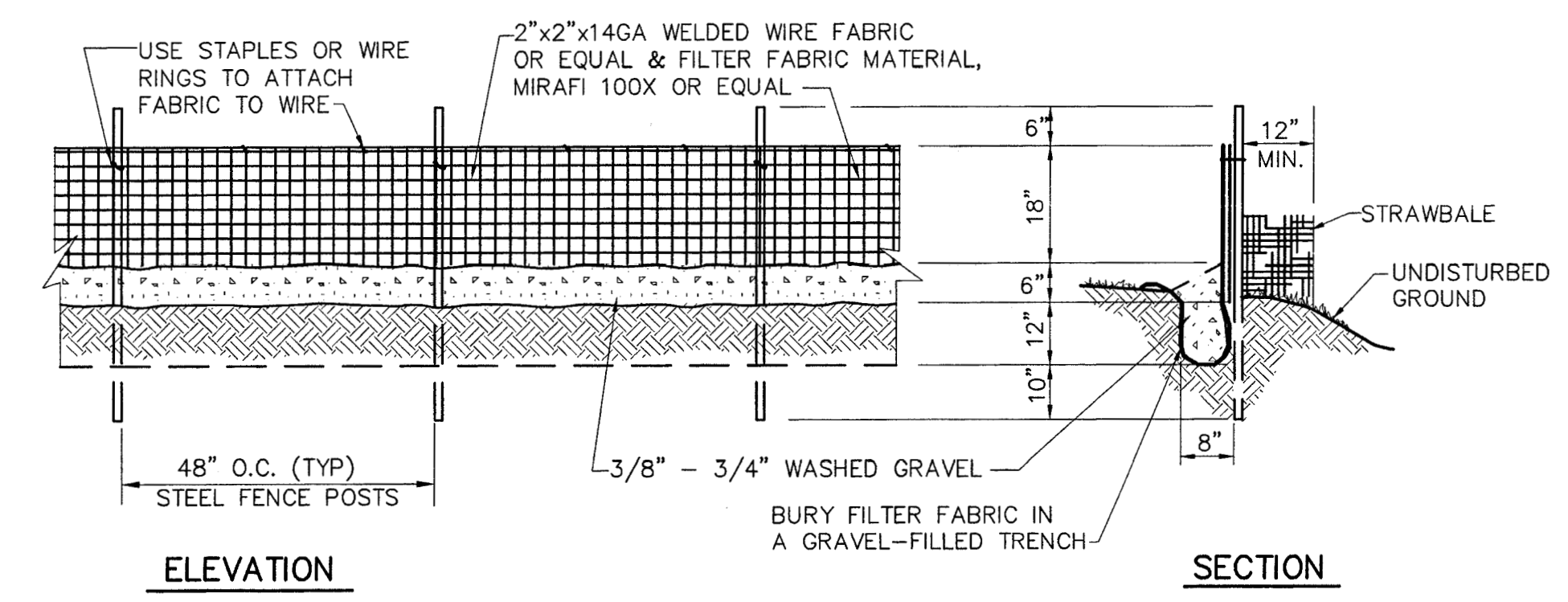
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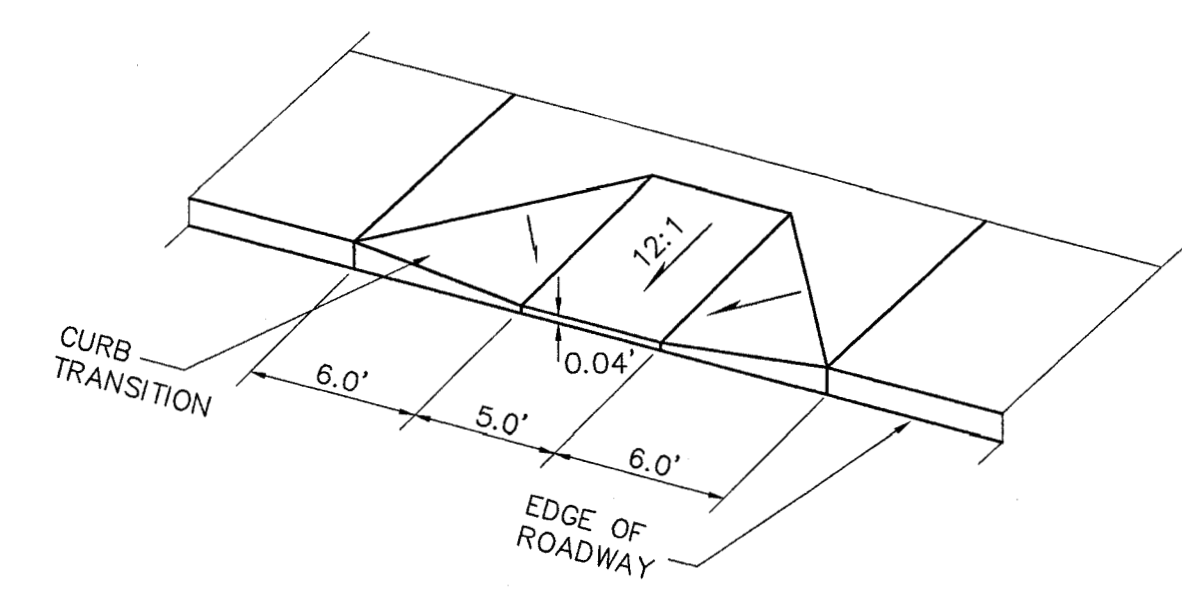
1 Rip/Rap Culvert Outfall
SCALE: NTS



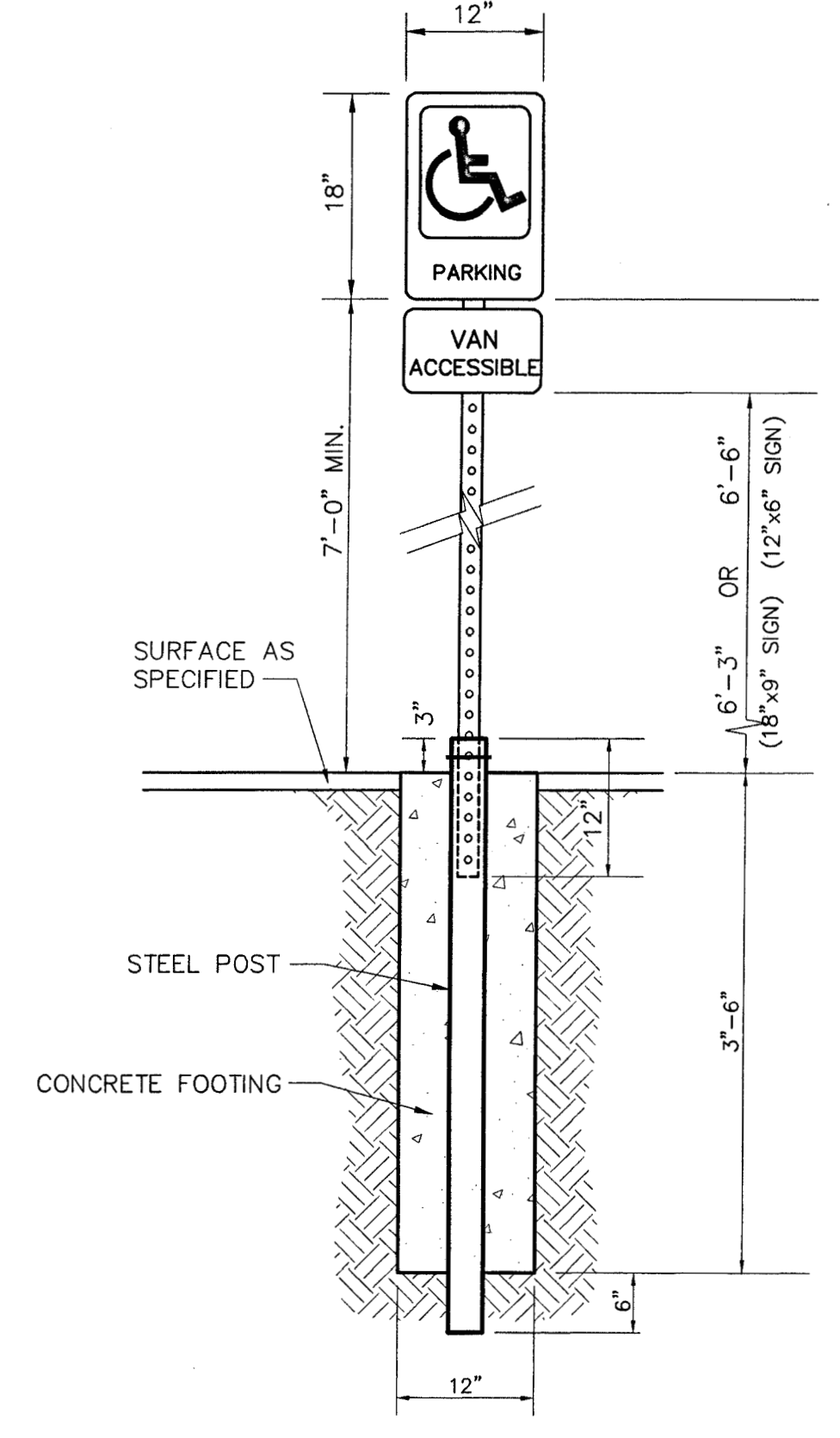
2 Rip/Rap Ditch Section
SCALE: NTS



3 Silt Fence Detail
SCALE: NTS



4 Handicap Ramp Detail
SCALE: NTS



5 Handicap Parking Sign Detail
SCALE: NTS

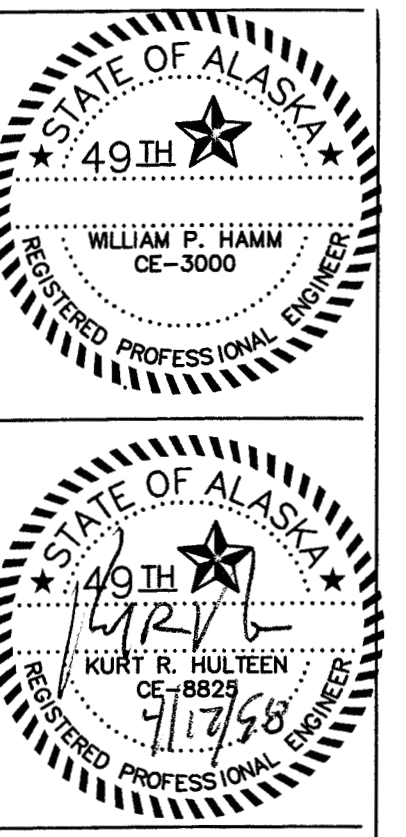
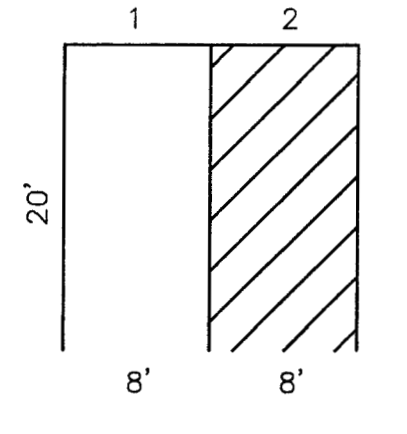
SIGNS CAN BE MOUNTED ON THE BUILDING PROVIDED THAT THEY ARE NOT OBSTRUCTED BY TREES, SHRUBBERY, ETC.

SIGNS SHALL NOT BE MOUNTED ON DOORS OR WINDOWS AND CAN NOT BE MORE THAN TEN FEET FROM THE EDGE OF THE PARKING STALL.

SIGN SHALL BE CENTERED BETWEEN PARKING SPACE STRIPING (1 IN DIAGRAM). MOUNTING HEIGHTS FOR BUILDING ARE SAME AS THOSE FOR POLE MOUNTING INDICATED ON THIS SHEET.

INSTALL A NO PARKING SIGN CENTERED AT THE FRONT OF THE 8 FOOT WIDE ACCESS AISLE (2 IN DIAGRAM).

ONE OUT OF EIGHT REQUIRED HANDICAP SPACES MUST BE VAN ACCESSIBLE.



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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
SITE SECTIONS AND DETAILS

| | |
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| Revisions | |
| Date | 04/17/98 |
| Drawn | GLB |
| Checked | KRH |
| Job No. | 95023 |
| Sheet No. | |

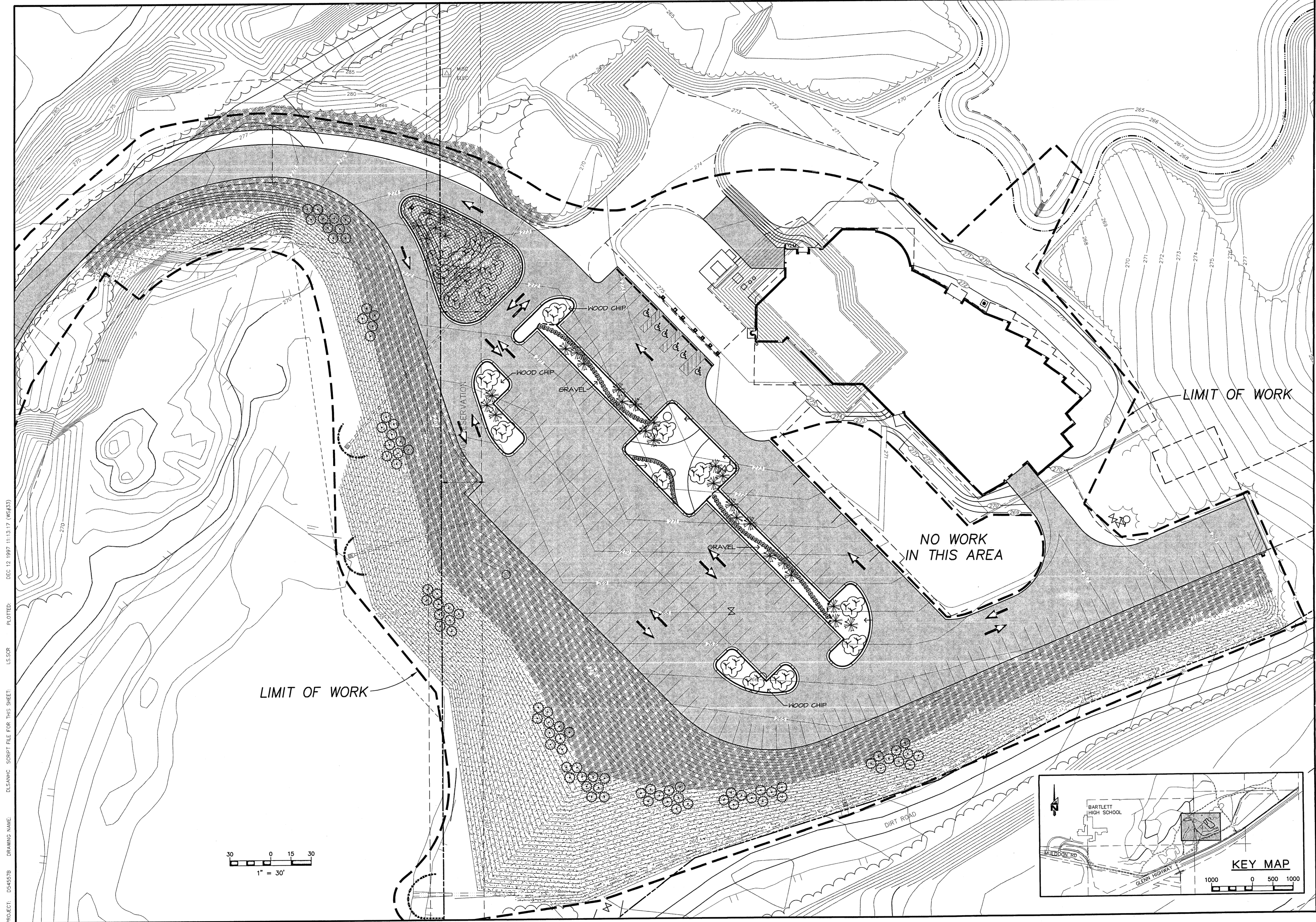
CONFORMED DRAWINGS

C3.2

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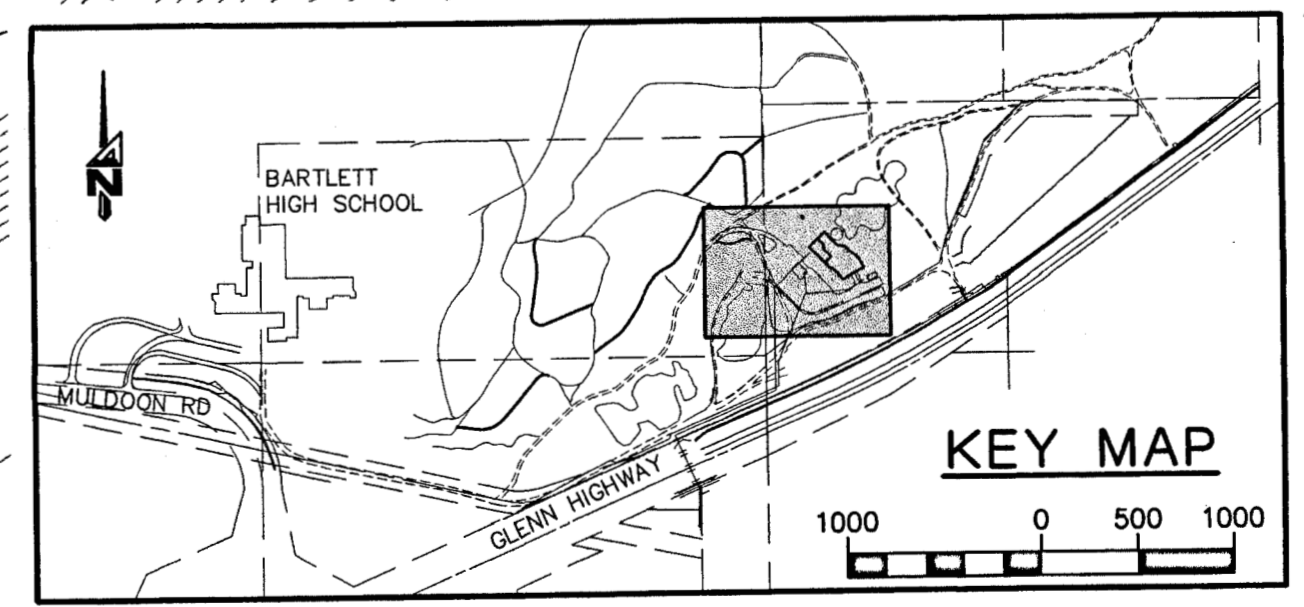
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

FILENAME: D54557B\DL\SNHC.DWG SCRIPT FILE: LS.SCR XREF: DS\ANHC.XREFBASE.XREF.MLP CREATED: DEC 12 1997 11:53:45 UPDATED: APR 16 1998 10:25:04 PLOTTED: APR 16 1998 10:27:06 (WS#59)



PROJECT: D54557B DRAWING NAME: DL\SNHC SCRIPT FILE FOR THIS SHEET: LS.SCR PLOTTED: DEC 12 1997 11:53:45 (WS#59)

30 0 15 30
1" = 30'



| | | |
|--|--|--|
| <p>DOWL ENGINEERS 4040 "B" Street Anchorage, Alaska 99503 PHONE (907) 562-2000 FAX (907) 563-3953</p> | | <p>DATE: 04/17/98 BY: GLB</p> |
| <p>LANDSCAPE PLAN ALASKA NATIVE HERITAGE CENTER TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.</p> | | <p>DESIGNED BY: KRH/DC CHECKED BY: WPH DRAWN BY: GLB DATE: 04/17/98 W.O. NO.: D54557B F.B. NO.: 865.1108 1180.1206 LOCATION: ANCHORAGE 1042/1142</p> |
| <p>HORIZ. SCALE: 1" = 30' VERT. SCALE: 1" = 30'</p> | | <p>SHEET: C4.1 FILE: 260-80</p> |

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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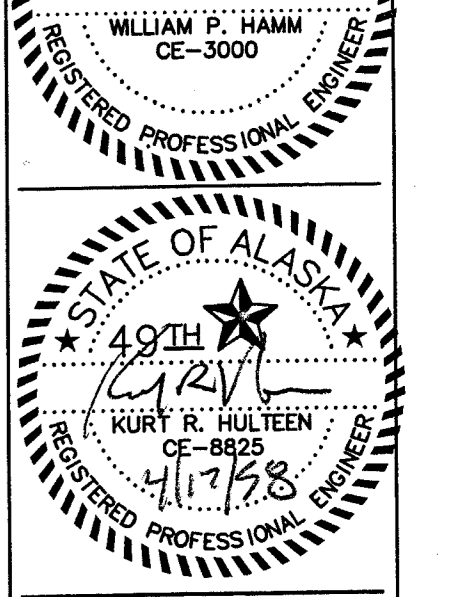
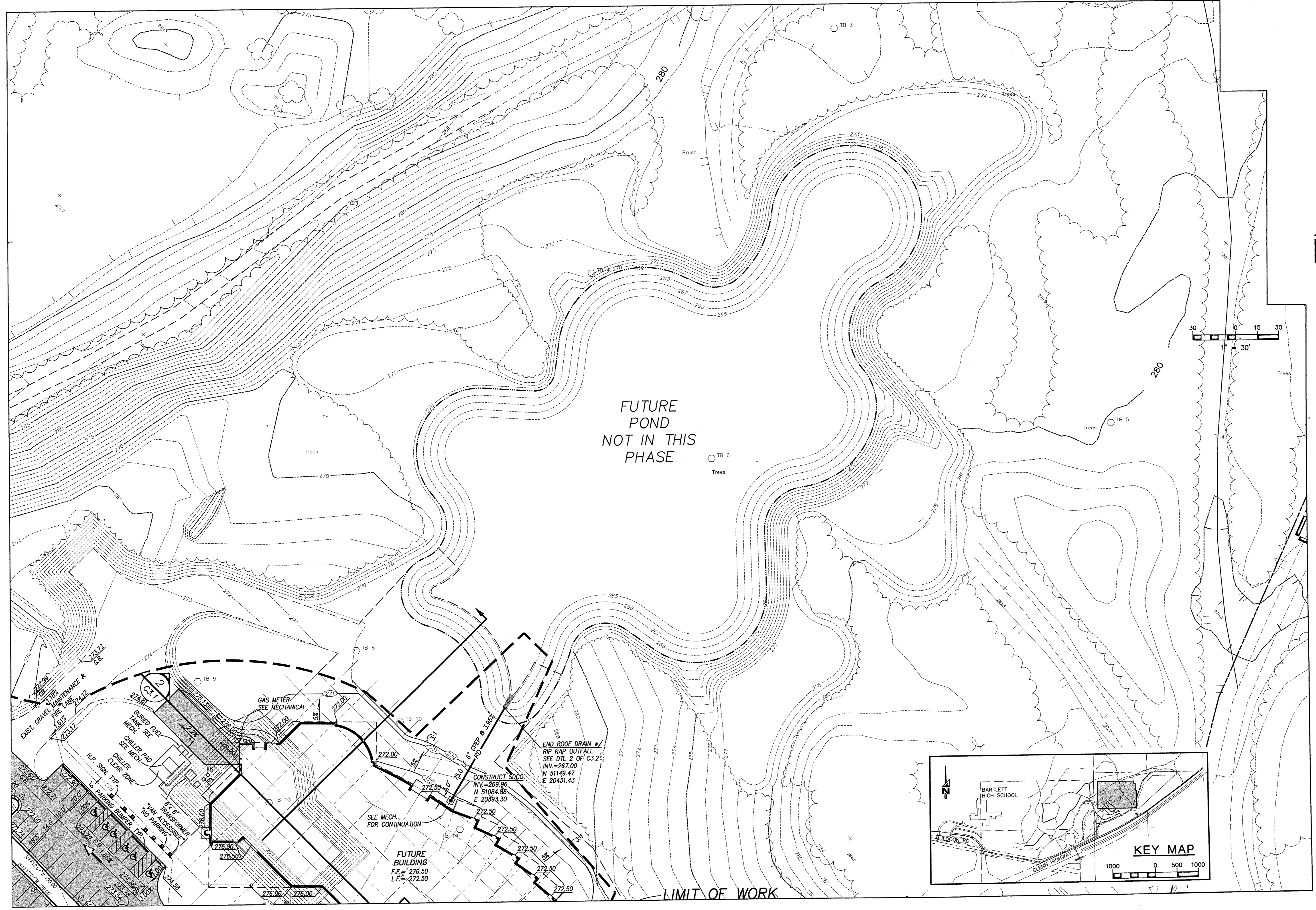
ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
LANDSCAPE PLAN

Revisions

CONFORMED DRAWINGS

Date: 04/17/98
Drawn: GLB
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Sheet No.: C4.1
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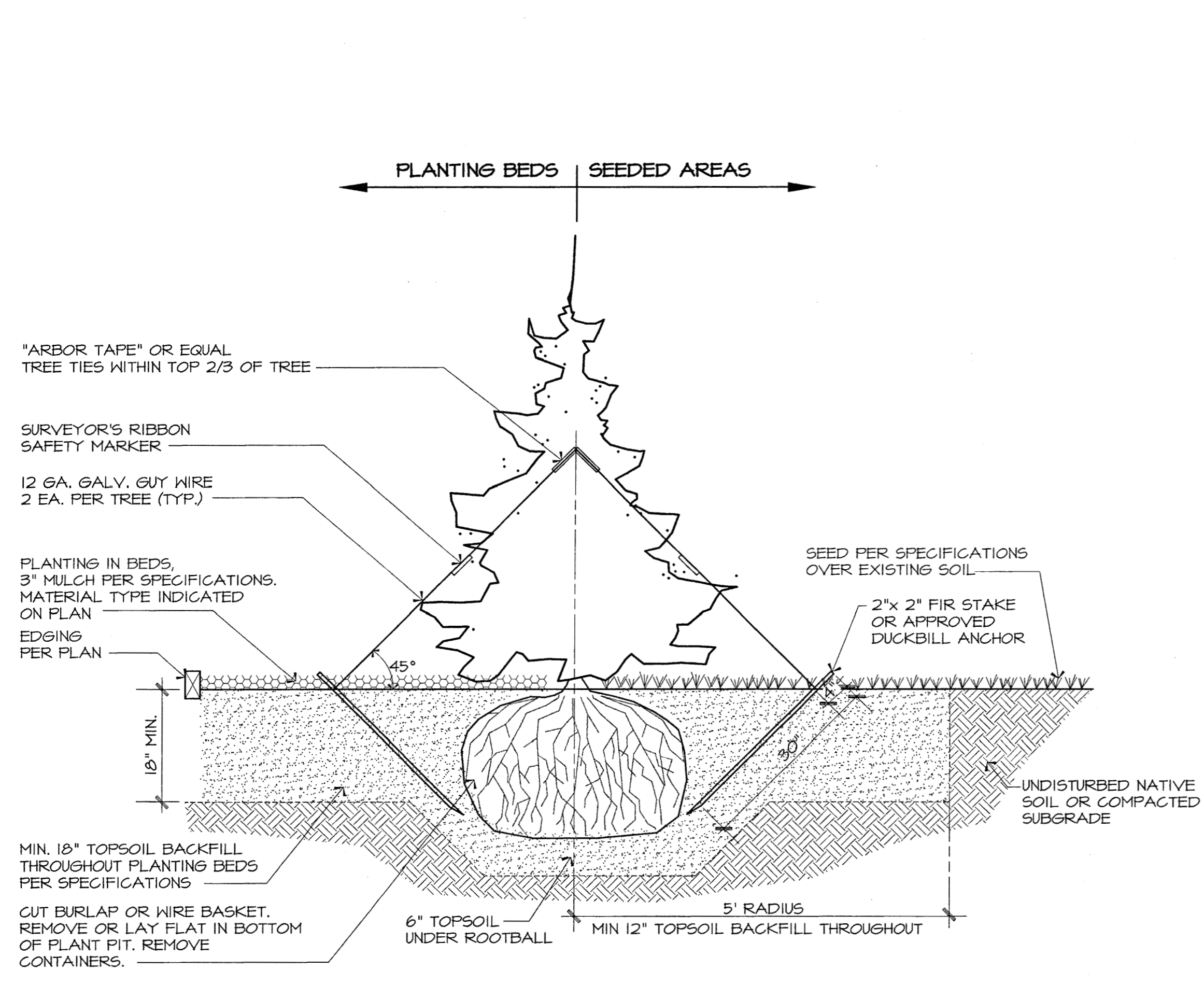


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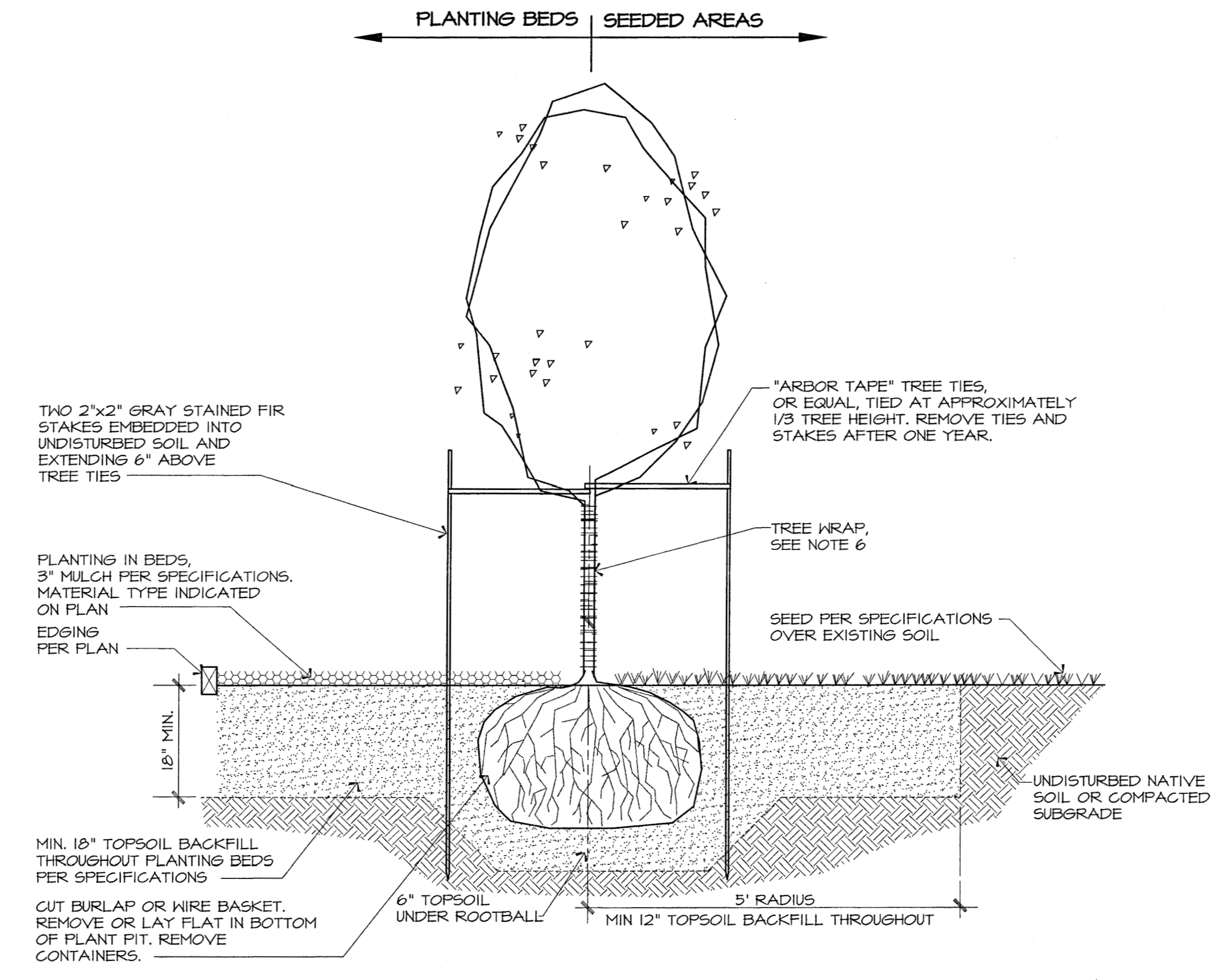
ALASKA NATIVE HERITAGE CENTER
 ANHC
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 SITE GRADING PLAN

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|---------------------------|-------------|
| Revisions | |
| CONFORMED DRAWINGS | |
| Date | 04/17/98 |
| Drawn | GLB |
| Checked | KRH |
| Job No. | 95023 |
| Sheet No. | C2.2 |

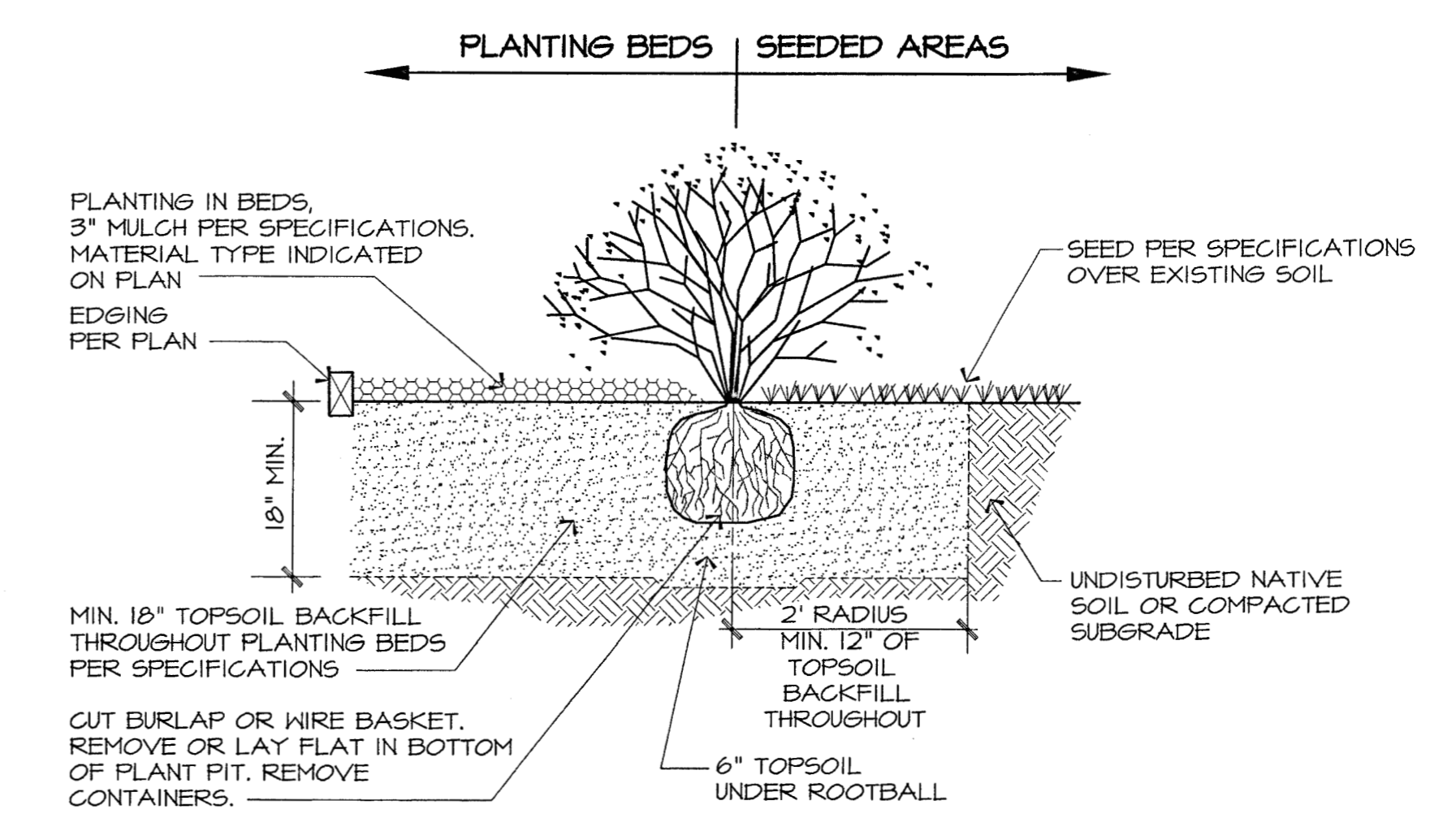
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS



1 Coniferous Tree Planting
CS.1 SCALE: NTS



2 Deciduous Tree Planting
CS.1 SCALE: NTS



3 Shrub Planting
CS.1 SCALE: NTS

PLANT SCHEDULE

| SYMBOL | DESCRIPTION | SIZE | QUANTITY | NOTES |
|--------|---|-------------------|-----------|--|
| | COLORADO GREEN SPRUCE <i>Picea pungens</i> | 6-8' | 30 | 5:3 HEIGHT to SPREAD RATIO |
| | QUAKING ASPEN <i>Populus tremuloides</i> | 1.5" CAL. | 85 | 10-15' HIGH |
| | PAPER BIRCH - Clump <i>Betula papyrifera</i> | 3" CAL. EACH STEM | 14 | NURSERY GROWN, MIN. 3 STEMS PER CLUMP, 15-18" HIGH |
| | Honsa' RUGOSA ROSE <i>Rosa rugosa</i> | 18-24" HIGH | 44 | 3' O.C. CONTAINER GROWN |
| | FIREWEED AND CLOVER SEED (over existing soil) | | 53,560 SF | SEED MIX NOTE 1. |
| | WILDFLOWER AND GRASS SEED (over existing soil) | | 50,525 SF | SEED MIX NOTE 2. |
| | DAISY AND CLOVER SEED (over existing soil) | | 4,715 SF | SEED MIX NOTE 3. |
| | WOOD CHIP | WOOD CHIP MULCH | 7,710 SF | 3" DEPTH |
| | GRAVEL | GRAVEL MULCH | 3,150 SF | 3" DEPTH OVER WEED BARRIER FABRIC PER SPECIFICATIONS |
| | ALUMINUM EDGING | 4" | 70 LF | PER SPECIFICATIONS |

GENERAL LANDSCAPE NOTES

1. SHEARED SPRUCE ARE NOT ACCEPTABLE.
2. THE LANDSCAPE CONTRACTOR SHALL RESTORE THE GRADES OF ALL BIOFILTRATION SWALES DISTURBED DURING PLANTING.
3. ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK, ANSIZ 601-1990.
4. SEE SPECIFICATIONS FOR DETAILS AND RECOMMENDED TIE KNOT OF "ARBOR TAPE" TREE TIES. DO NOT TIE RIGIDLY, TREE MUST BE ABLE TO MOVE IN THE WIND.
5. BACKFILL NEWLY PLANTED TREES AND SHRUBS TO SAME DEPTH AS GROWN IN NURSERY OR 1-2" HIGHER THAN THE SURROUNDING FINISH GRADE. THOROUGHLY WATER AS BACKFILLING TO PREVENT AIR POCKETS. DO NOT TAMP OR COMPACT. DO NOT FERTILIZE AT TIME OF INSTALLATION. DO NOT BURY STEM WHEN PLACING MULCHES. PULL MULCH 3-4" AWAY FROM TREE STEMS TO FORM A SHALLOW DEPRESSION.
6. TREE WRAP STEM OF DECIDUOUS TREES FROM BASE OF STEM TO FIRST BRANCHING OF TREE AND SECURE WITH FLEXIBLE NURSERY TAPE. TREE WRAP TO BE OF COMMERCIAL GRADE MANUFACTURED FOR THIS PURPOSE.

MOA REVIEW NOTES

1. 84,463 SF PARKING & APPURTENANT DRIVES
4,498 SF INTERIOR LANDSCAPING REQUIRED
14,550 SF INTERIOR LANDSCAPING PROVIDED
2. DUMPSTER IS LOCATED WITHIN BUILDING

SEED MIX NOTES

1. **FIREWEED AND CLOVER**
10% FIREWEED *Epilobium angustifolium*
30% ALSIKE CLOVER var. Aurora
22 LBS / ACRE
45% PURE LIVE SEED
2. **WILDFLOWER AND GRASS MIX**
10% K-M WILDFLOWER MIX
30% ALPINE BLUEGRASS var. Gruening
22 LBS / ACRE
45% PURE LIVE SEED
3. **DAISY AND CLOVER MIX**
80% SHASTA DAISY *Chrysanthemum maximum*
20% ALSIKE CLOVER var. Aurora
22 LBS / ACRE
45% PURE LIVE SEED

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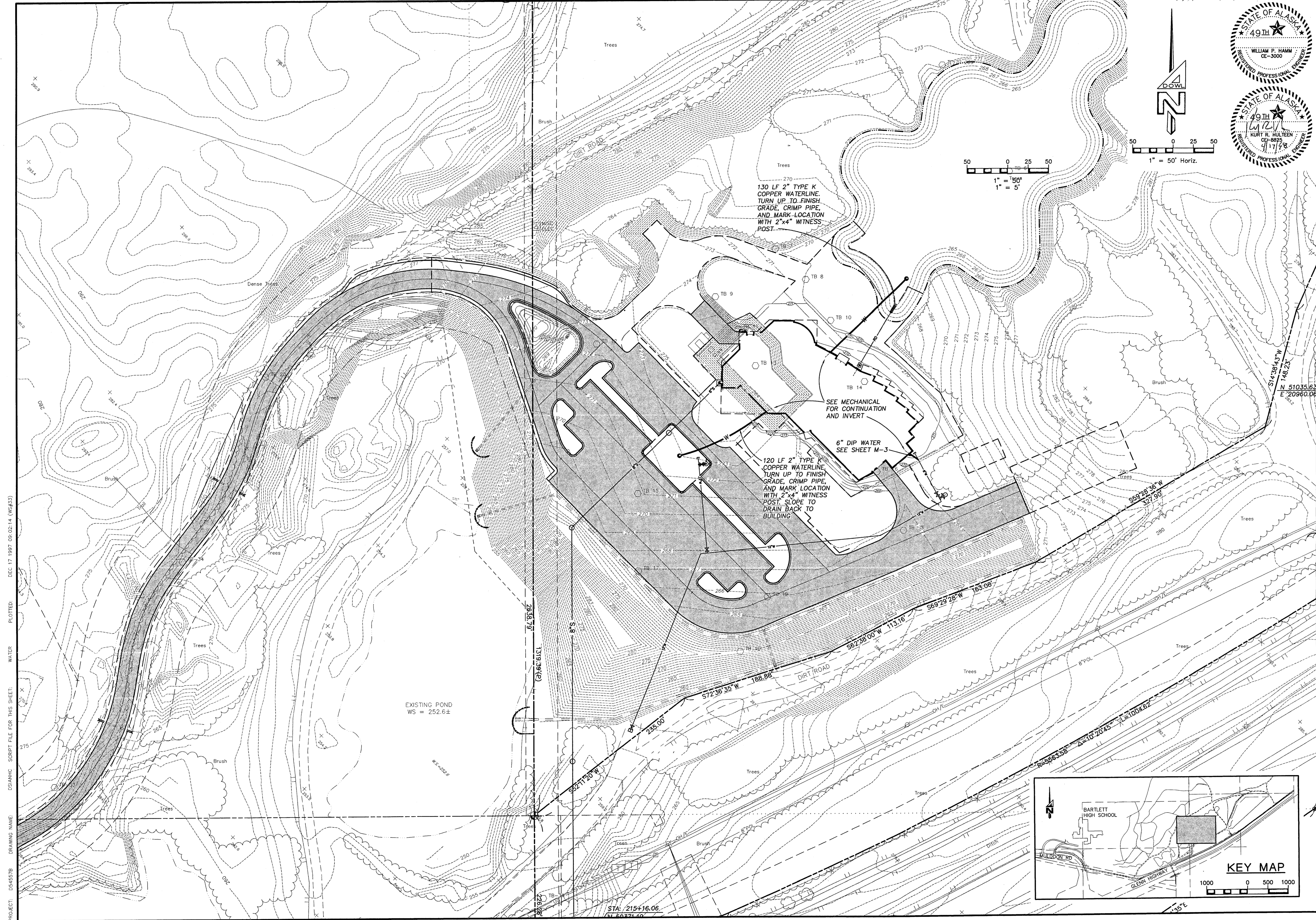
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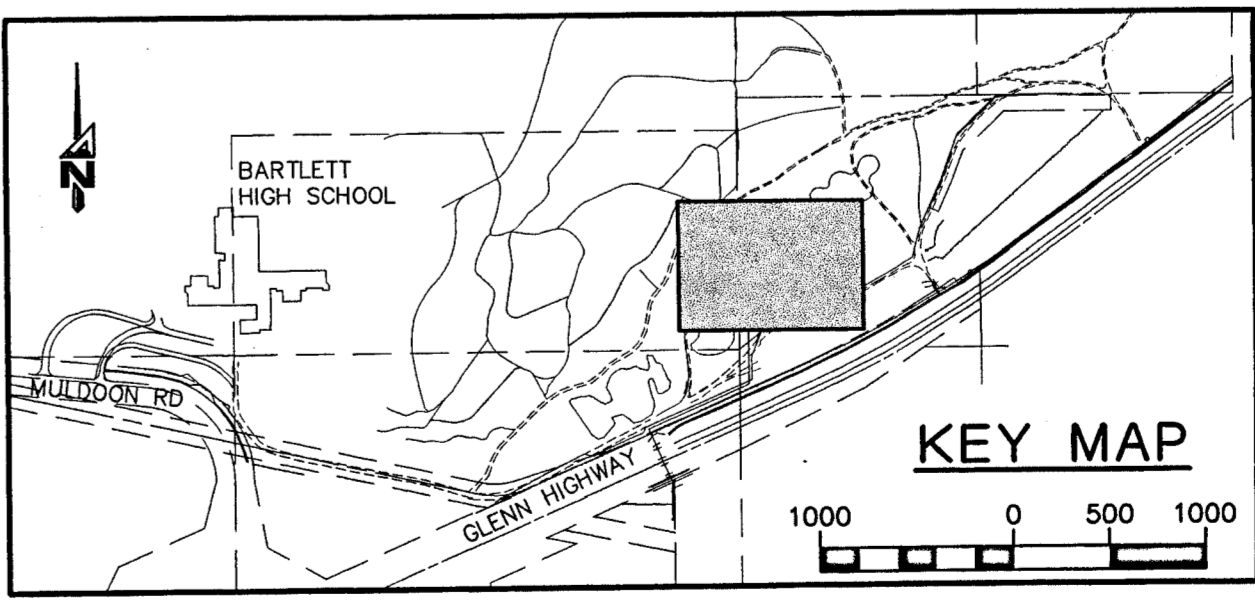


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WATER SERVICE PLAN
ALASKA NATIVE HERITAGE CENTER
 TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | D54557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| SCALE | |
| HORIZ. | 1" = 50' |
| VERT. | 1" = 5' |
| SHEET | |
| C6.1 | |
| FILE NO. | 260-80 |



SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

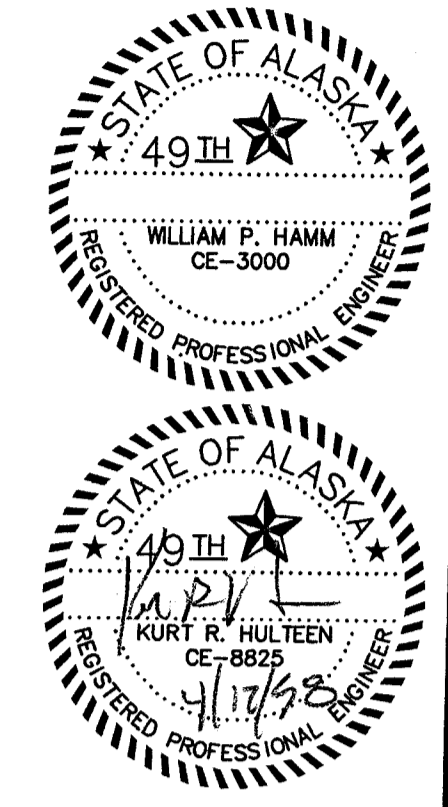
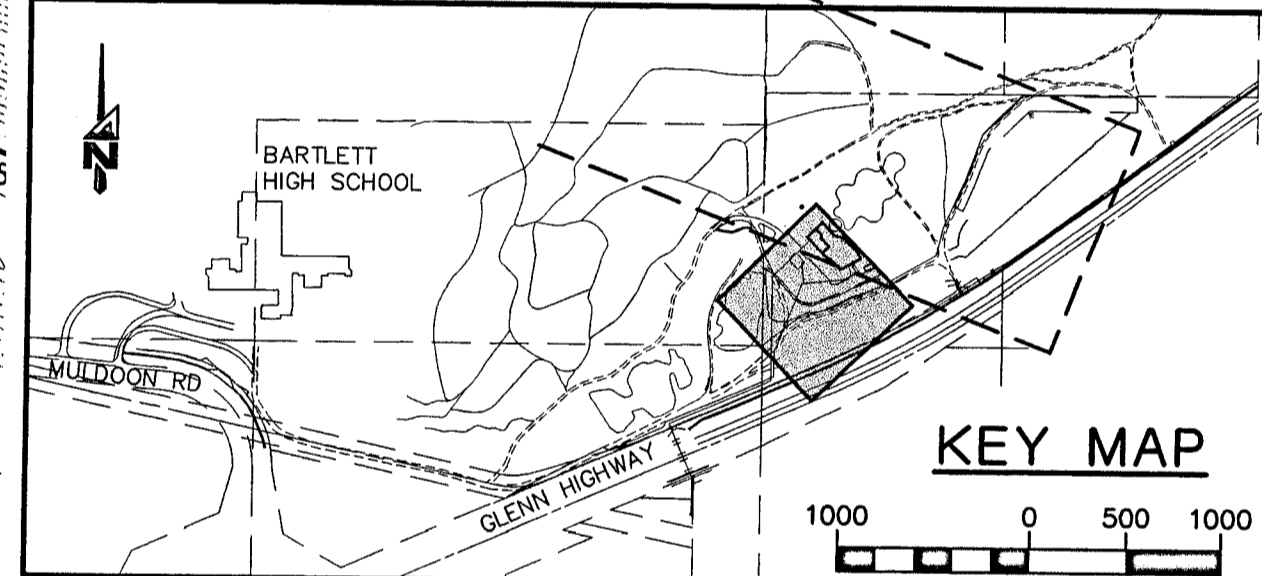
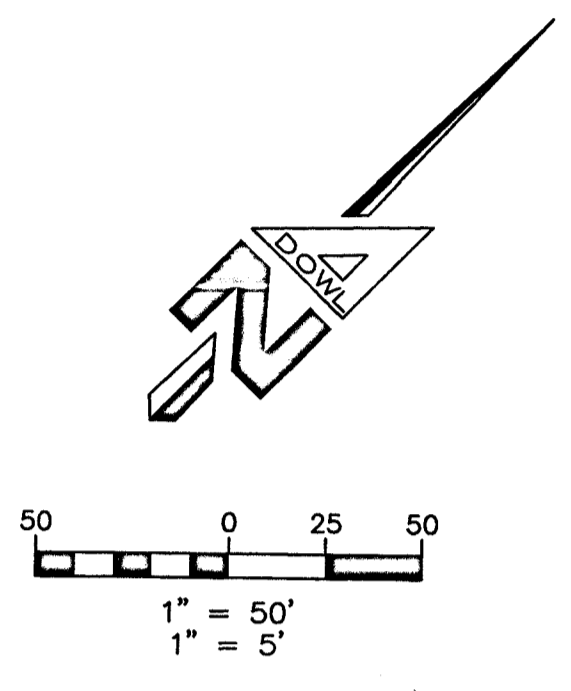
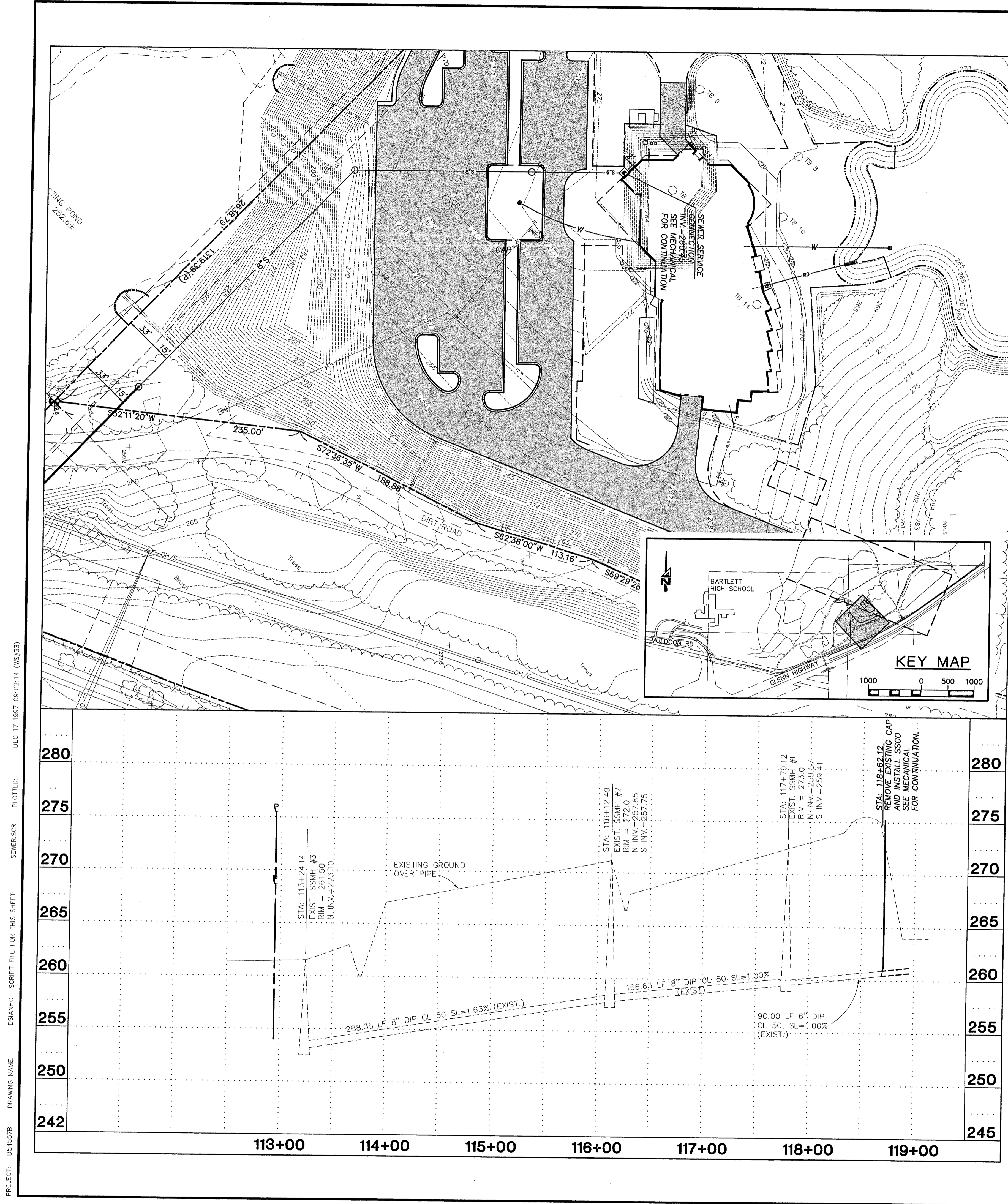
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 WATER SERVICE PLAN

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| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | D545578 |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| HORIZ. SCALE | 1"=50' |
| VERT. SCALE | 1"=5' |
| SHEET | C7.1 |
| FILE NO. | 260-80 |

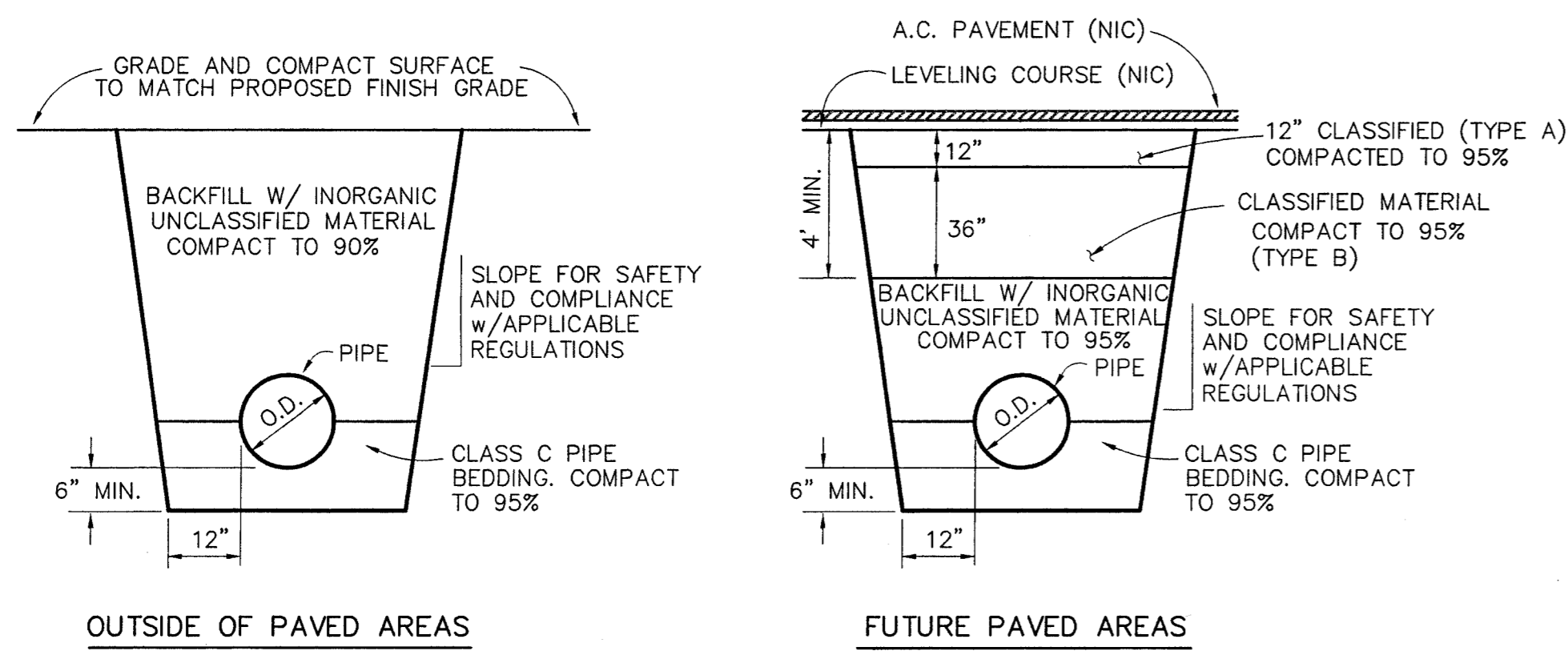
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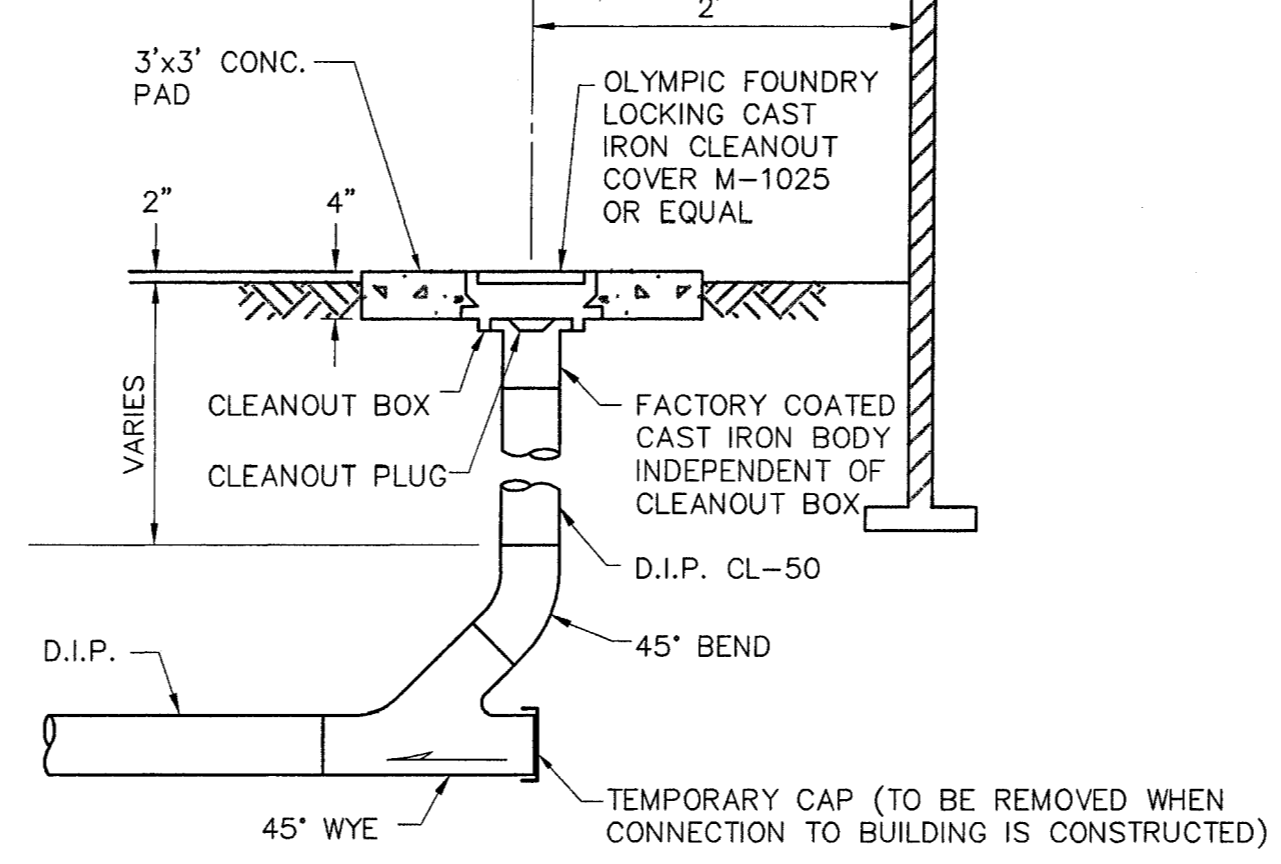
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 ANCHORAGE, ALASKA
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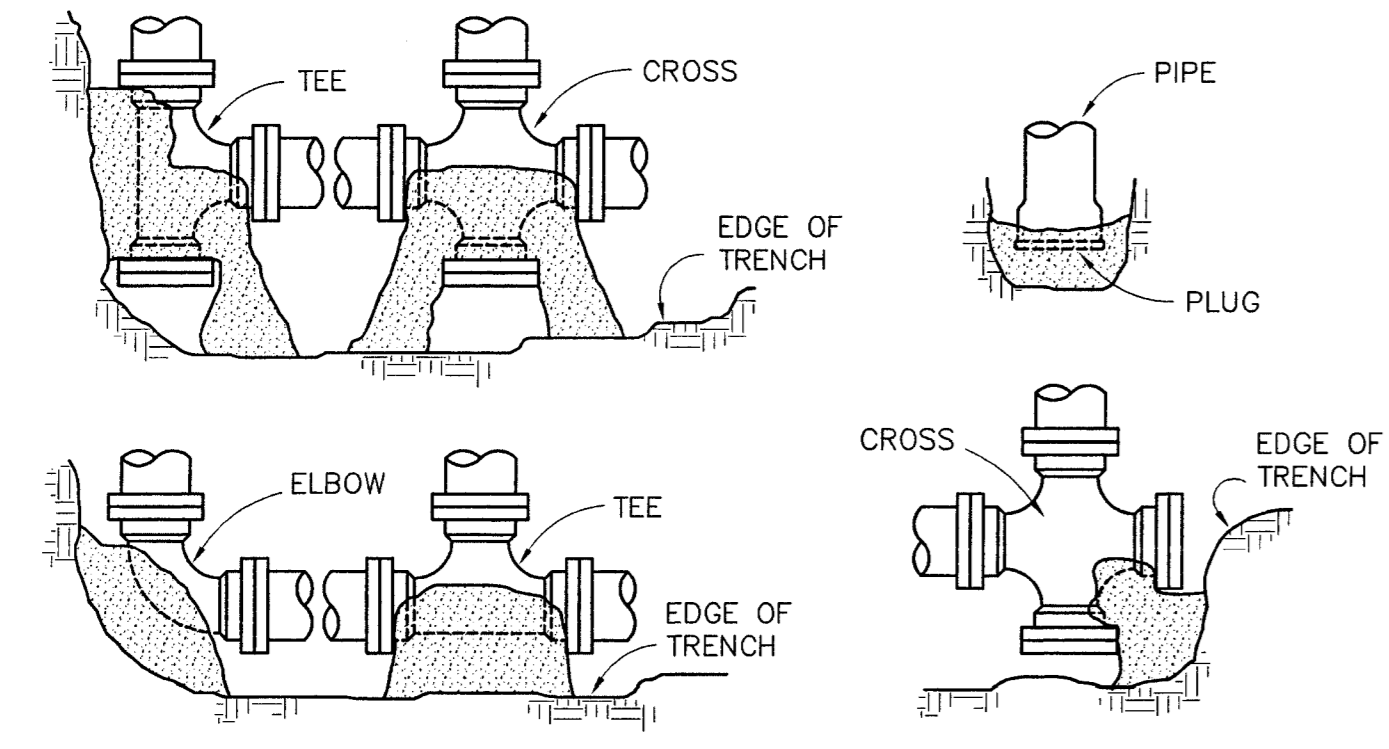
1 Typical Utility Trench Sections
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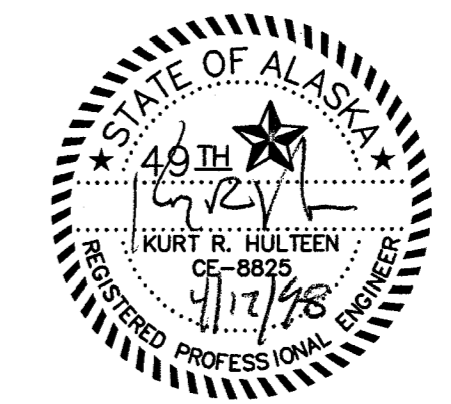
3 Sewer Service Cleanout
SCALE: NTS

BASE AREA TABLE

| PIPE SIZE | MIN. BASE AREA SQ. FT. | | |
|-----------|------------------------|------------------|------|
| | 90° BEND | 45° BEND OR LESS | PLUG |
| 6" | 2.0 | 1 | 2.0 |
| 8" | 2.5 | 1.5 | 2.5 |
| 10" | 4.5 | 2.5 | 4.5 |
| 12" | 6 | 3.5 | 6 |
| 14" | 8 | 4.5 | 8 |
| 16" | 10.5 | 6 | 10.5 |
| 24" | 24 | 13 | 24 |



2 Thrust Block Details and Standards
SCALE: NTS



| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
| | | | |
| | | | |
| | | | |

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UTILITY DETAILS
ALASKA NATIVE HERITAGE CENTER
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, AK.

DESIGNED BY KRH/DC
CHECKED BY WPH
DRAWN BY GLB
DATE 04/17/98
W.O. NO. D54557B
F.B. NO. 865,1108
LOCATION ANCHORAGE
1180,1206
1042/1142

SCALE
HORZ. AS SHOWN
VERT. AS SHOWN

SHEET
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FILE NO. 260-80

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ALASKA NATIVE HERITAGE CENTER
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UTILITY DETAILS

CONFORMED DRAWINGS

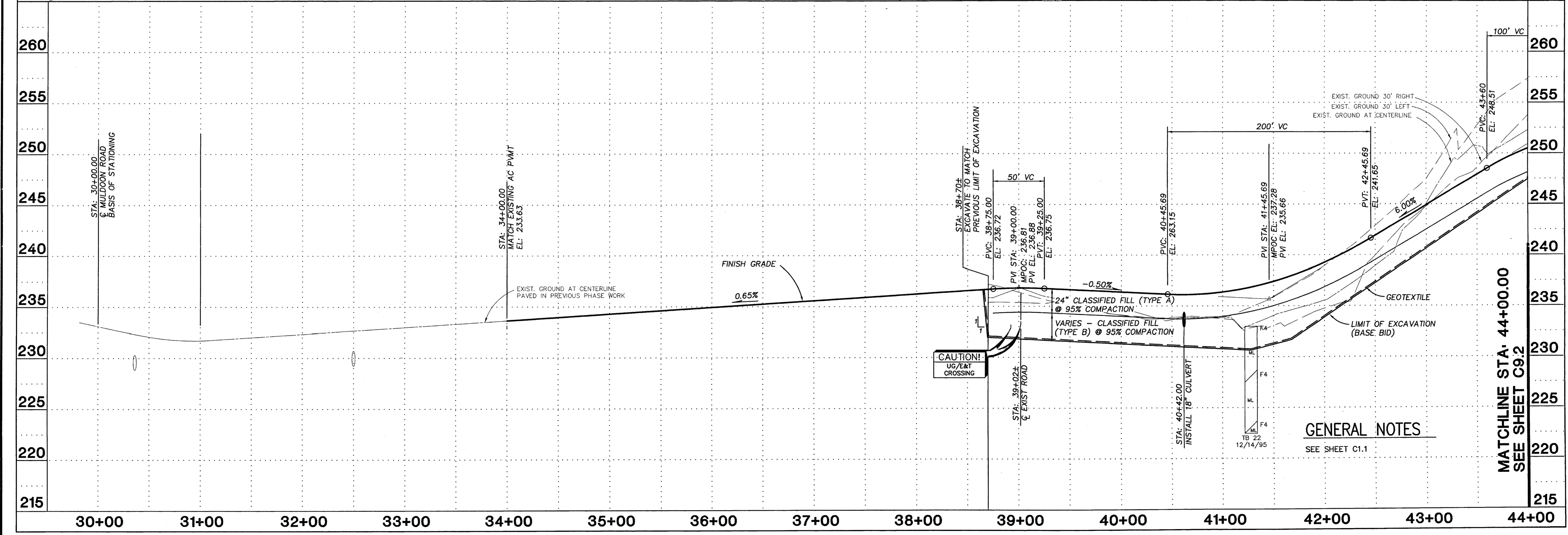
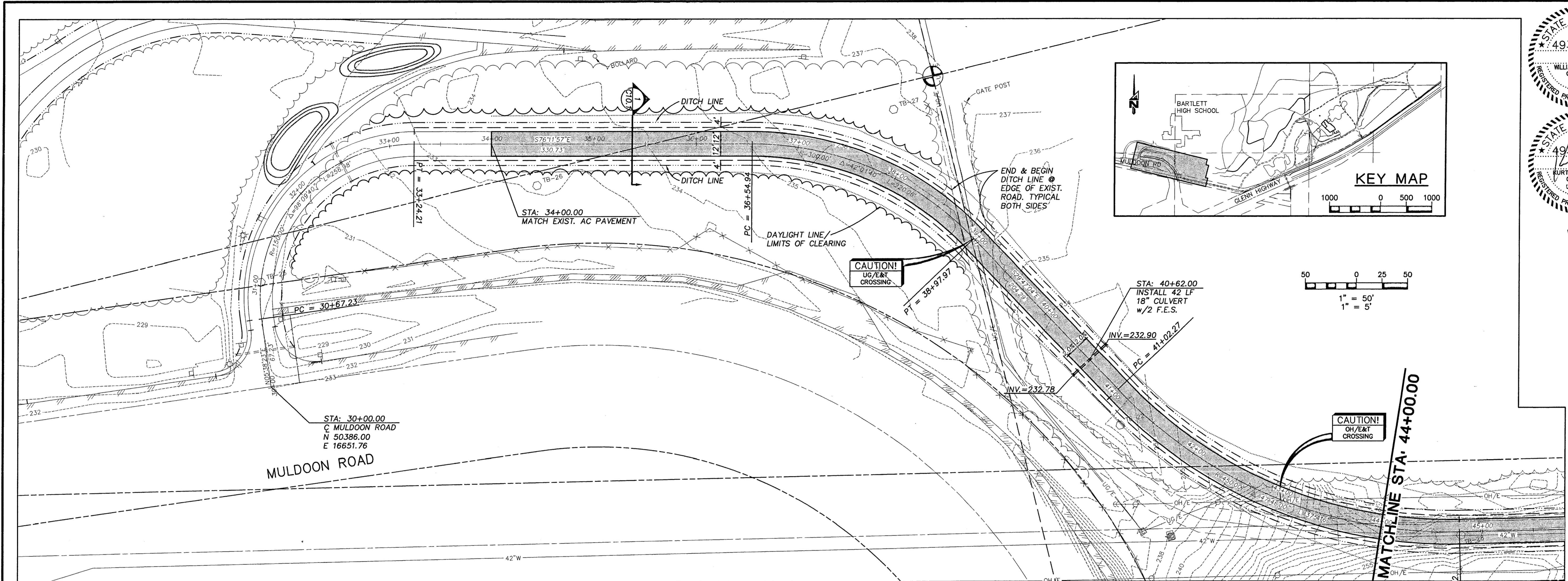
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FILENAME: D54557B DSIANHC.DWG SCRIPT FILE: ACC.SCR XREF: XREFBASE, XREFMLP UPDATED: APR 16 1998 09:26:25 PLOTTED: APR 16 1998 09:36:10 (WS#59)

PROJECT: D54557B DRAWING NAME: DSIANHC SCRIPT FILE FOR THIS SHEET: ACC.SCR PLOTTED: DEC 17 1997 09:02:14 (WS#33)



GENERAL NOTES
SEE SHEET C1.1

| | |
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| DESIGNED BY | CRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLE |
| DATE | 04/17/98 |
| W.O. NO. | D54557B |
| F.I.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE, ALASKA |
| SCALE | 1042/1142 |
| HORIZ. | 1" = 50' |
| VERT. | 1" = 5' |
| SHEET | C9.1 |
| FILE NO. | 260-80 |

ACCESS DRIVE PLAN & PROFILE
ALASKA NATIVE HERITAGE CENTER
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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ACCESS DRIVE PLAN & PROFILE

Revisions

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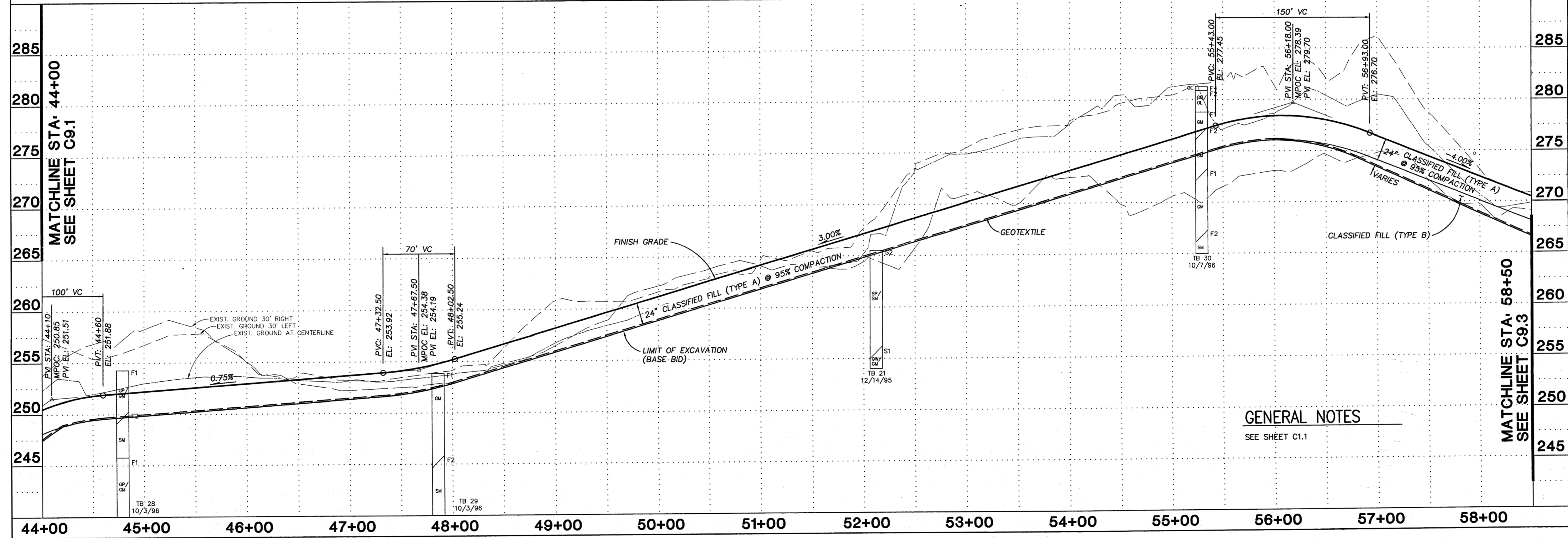
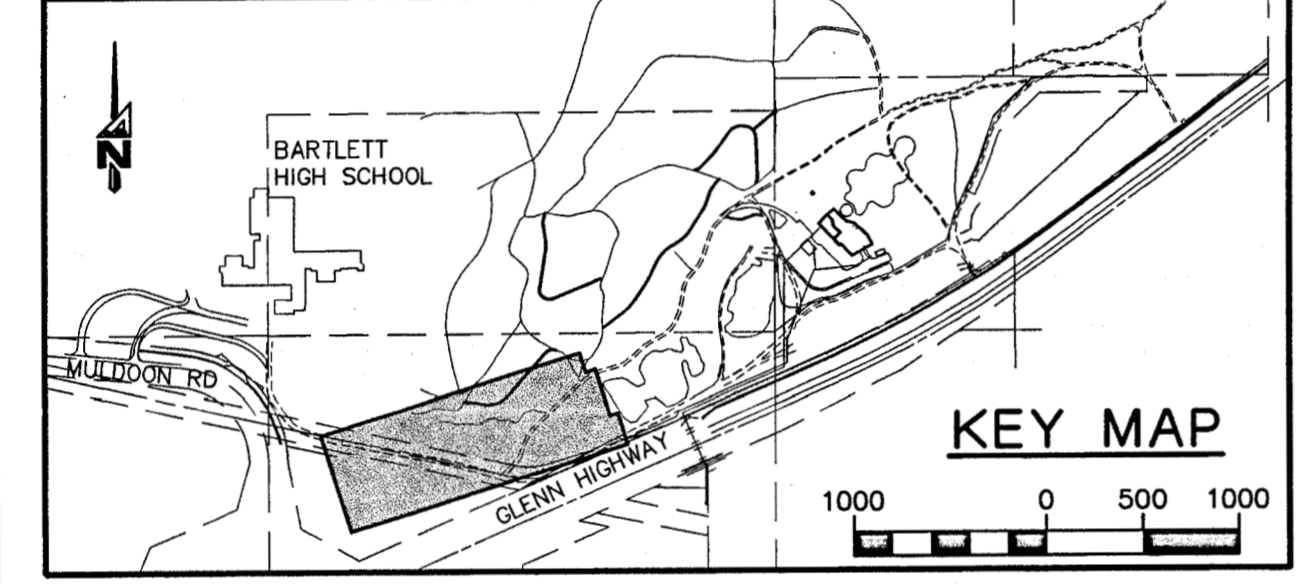
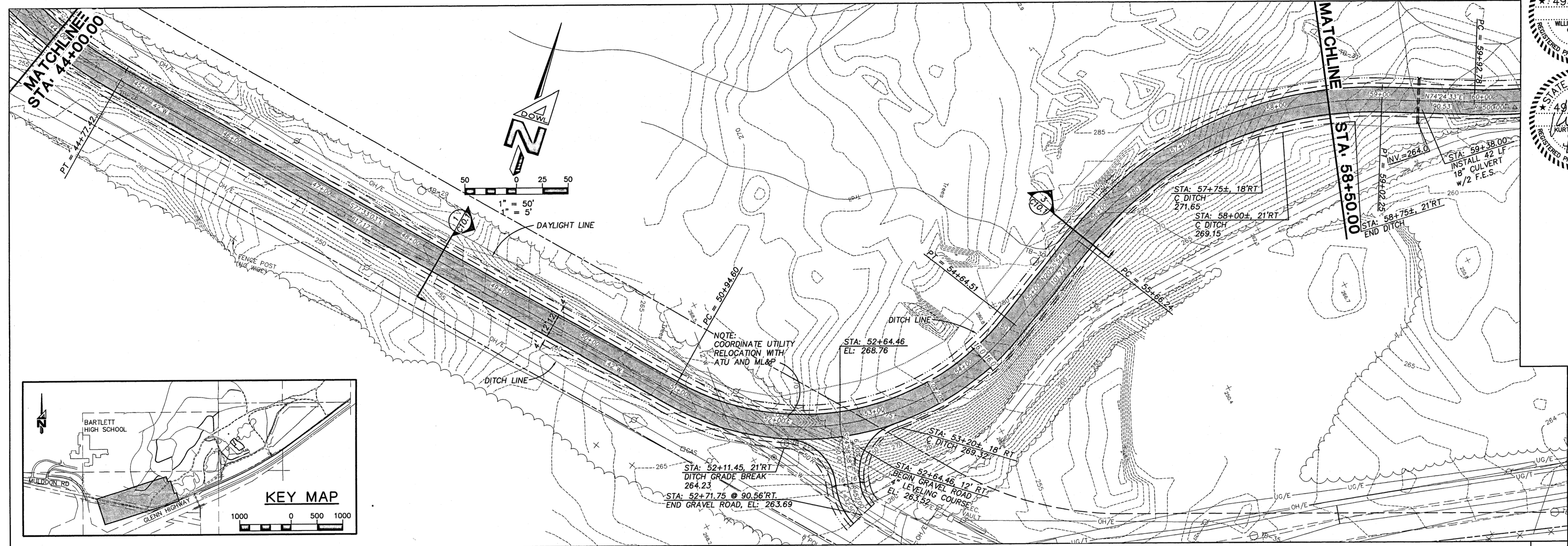
Date 04/17/98
Drawn GLB
Checked KRH
Job No. 95023
Sheet No. C9.1
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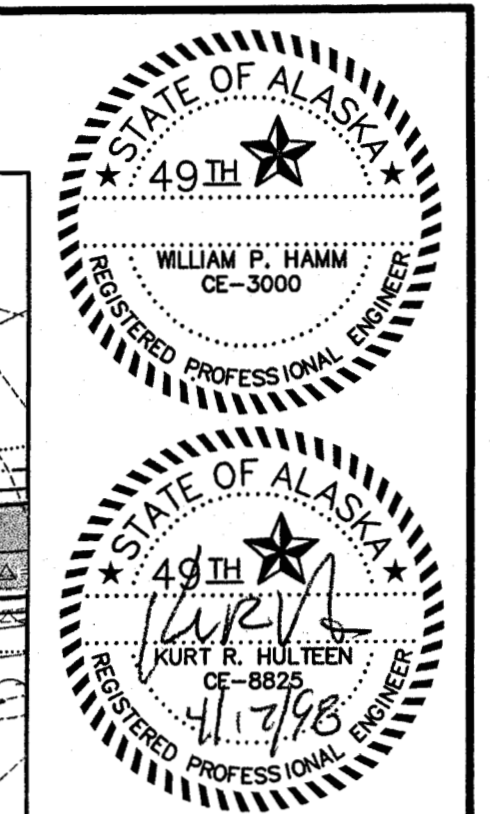
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UPDATED: APR 16 1998 09:26:25

PROJECT: D54557B DRAWING NAME: DSIANHC SCRIPT FILE FOR THIS SHEET: ACC.SCR PLOTTED: DEC 17 1997 09:02:14 (WS#33)



GENERAL NOTES
SEE SHEET C1.1



| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
| | | | |
| | | | |
| | | | |

DOWL ENGINEERS
Anchorage, Alaska 99503
4040 "B" Street
Phone 907/266-2000
Fax 907/266-2000

ACCESS DRIVE PLAN & PROFILE
ALASKA NATIVE HERITAGE CENTER
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | D54557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| SCALE | 1042/1142 |
| HORIZ. | 1" = 50' |
| VERT. | 1" = 5' |
| SHEET | C9.2 |
| FILE NO. | 260-80 |

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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ANCHORAGE, ALASKA
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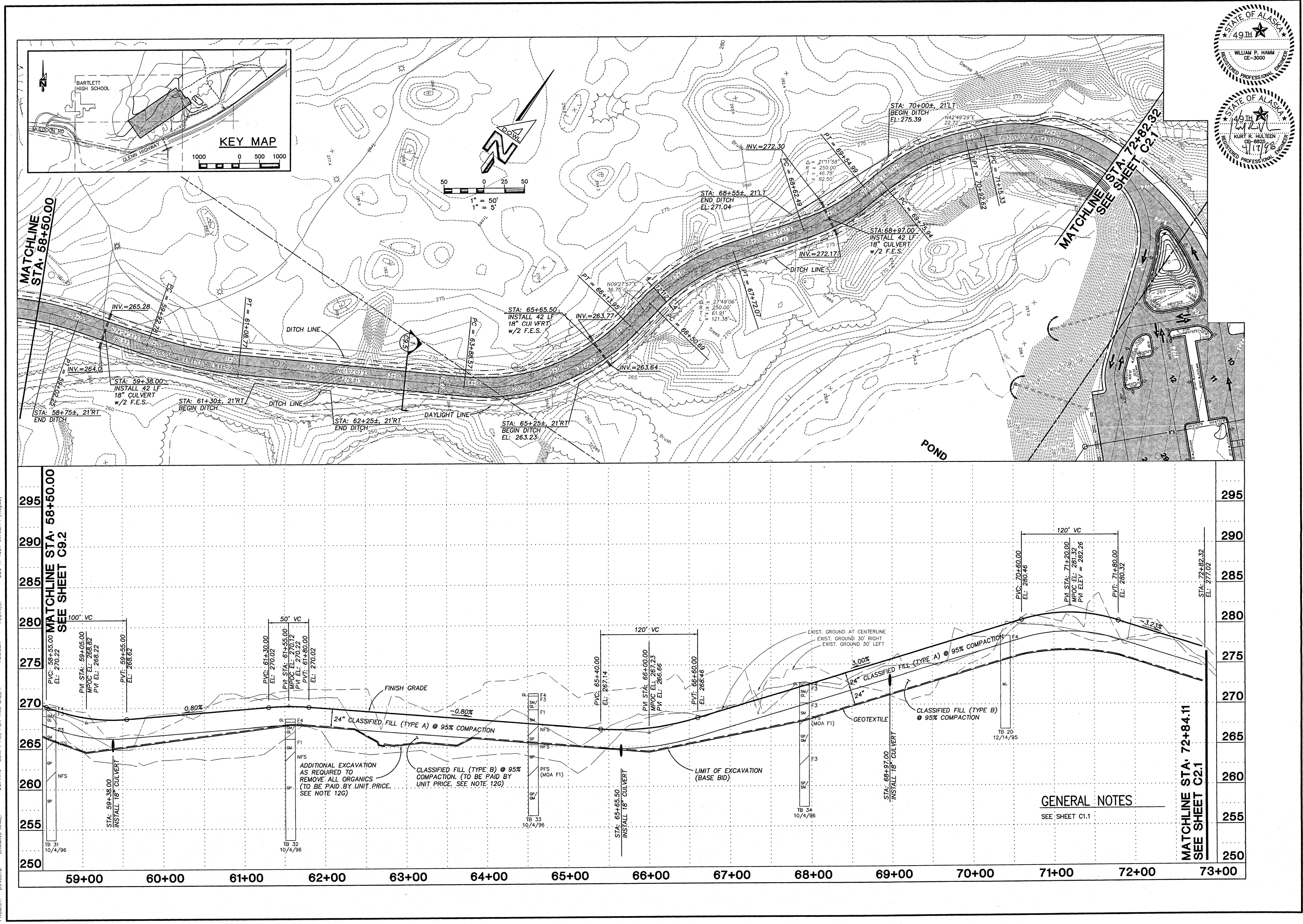
CONFORMED DRAWINGS

Date: 04/17/98
Drawn: GLB
Checked: KRH
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FILENAME: D54557B\DSIANHC.DWG SCRIPT FILE: ACC.SCR XREF: XREFBASE.XREFMLP ACC.SCR PLOTTED: DEC 17 1997 09:02:14 (WSP43) PROJECT: D54557B DRAWING NAME: DSIANHC SCRIPT FILE FOR THIS SHEET: DEC 17 1997 09:02:14 (WSP43) UPDATED: APR 16 1998 09:26:25 CREATED: DEC 04 1997 12:23:58 PLOTTED: APR 16 1998 09:36:10 (WSP59)



KEY MAP

1000 0 500 1000

1" = 50'

1" = 5'

STATE OF ALASKA
49th DISTRICT
WILLIAM F. HAMM
CE-3000
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
49th DISTRICT
KURT H. HULTEN
CE-8826
REGISTERED PROFESSIONAL ENGINEER

ACCESS DRIVE PLAN & PROFILE

ALASKA NATIVE HERITAGE CENTER

TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

DESIGNED BY KRH/DC
CHECKED BY WPH
DRAWN BY GLB
DATE 04/17/98
W.O. NO. D54557B
F.B. NO. 865,1108
1180,1208
LOCATION ANCHORAGE
1042/1142

SCALE
HORZ. 1" = 50'
VERT. 1" = 5'

SHEET
C9.3

FILE NO. 260-80

GENERAL NOTES
SEE SHEET C1.1

ADDITIONAL EXCAVATION AS REQUIRED TO REMOVE ALL ORGANICS (TO BE PAID BY UNIT PRICE. SEE NOTE 120)

CLASSIFIED FILL (TYPE B) @ 95% COMPACTION. (TO BE PAID BY UNIT PRICE. SEE NOTE 120)

LIMIT OF EXCAVATION (BASE BID)

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ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA

ALASKA NATIVE HERITAGE CENTER
ACCESS DRIVE PLAN & PROFILE

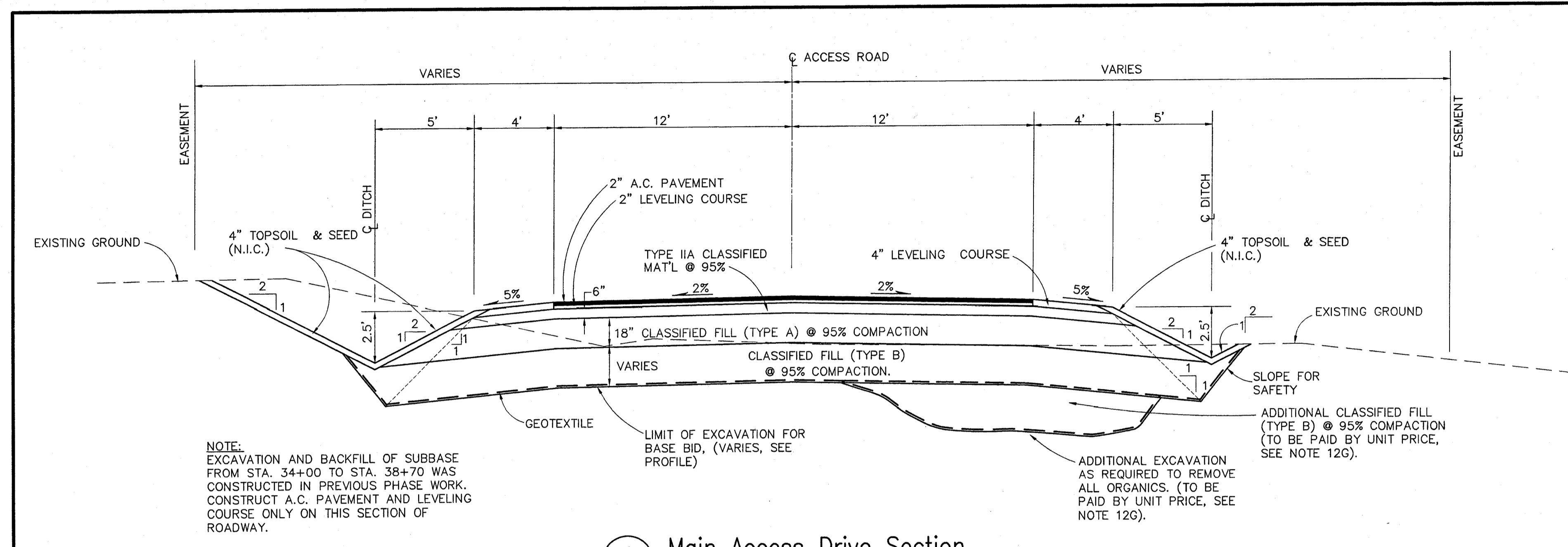
Revisions

DATE 04/17/98
DRAWN GLB
CHECKED KRH
JOB NO. 95023

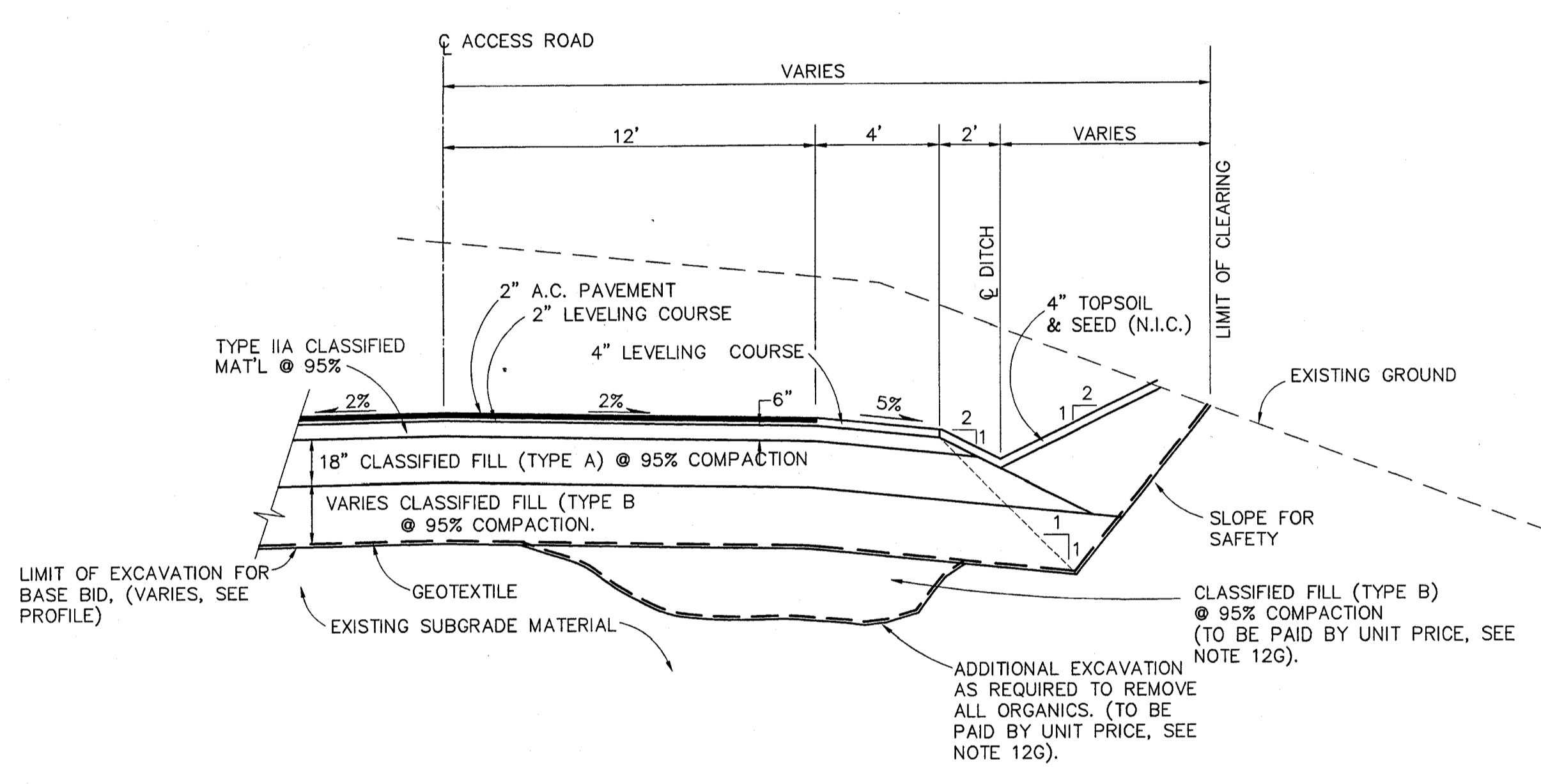
CONFORMED DRAWINGS

Sheet No. **C9.3**

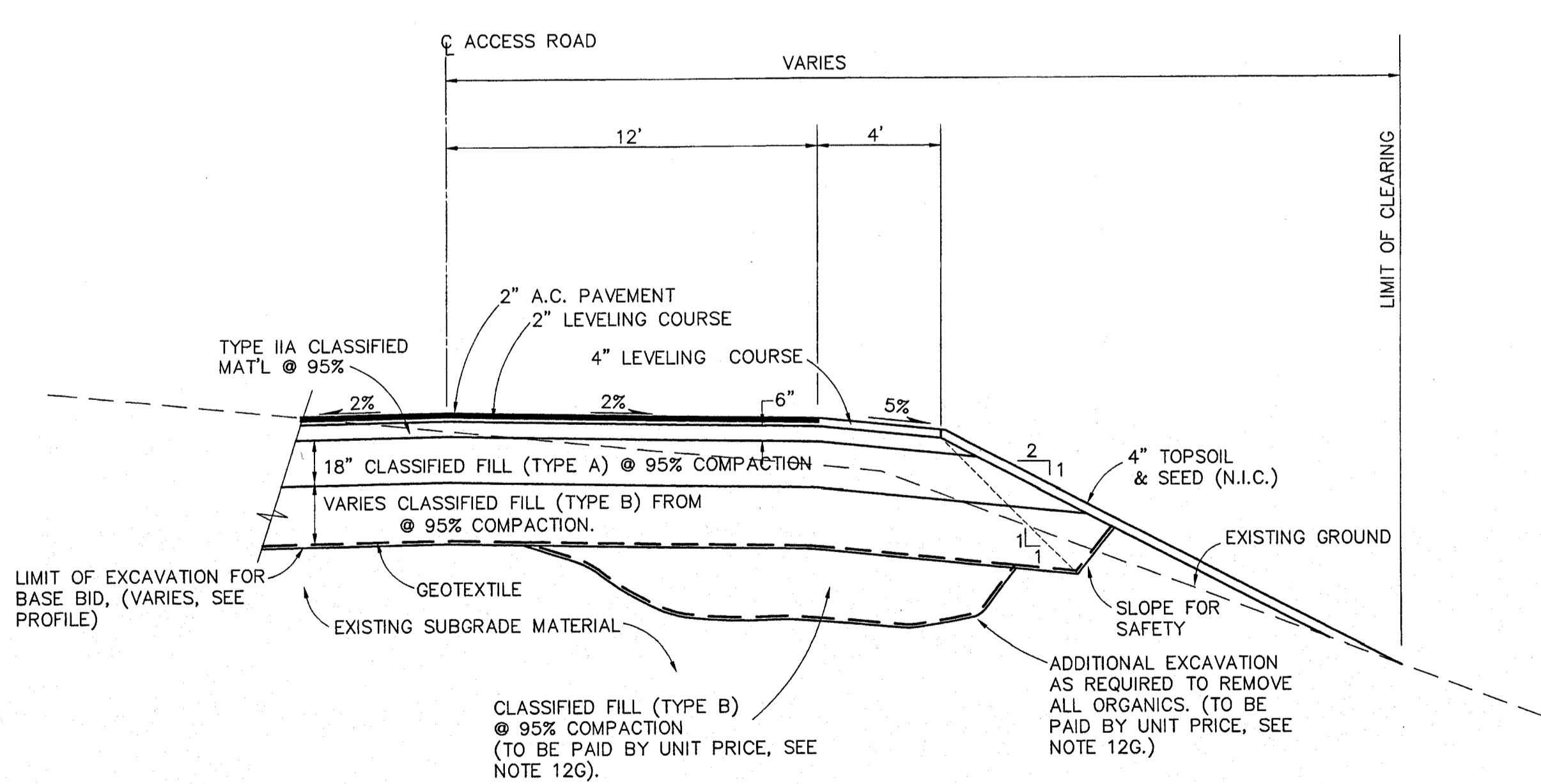
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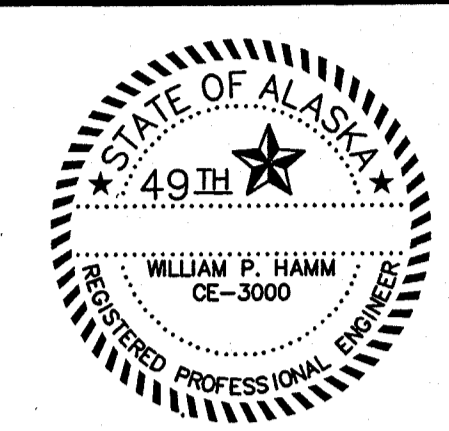
1 Main Access Drive Section
C10.1 SCALE: NTS



2 Main Access Drive Section
C10.1 SCALE: NTS STA: 53+20 TO STA: 55+50
STA: 56+25 TO STA: 57+75



3 Main Access Drive Section
C10.1 SCALE: NTS STA: 55+50 TO STA: 56+25



| NO. | DATE | REVISIONS |
|-----|------|-----------|
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Anchorage, Alaska 99503
PHONE (907) 882-2000

ACCESS DRIVE SECTIONS AND DETAILS
ALASKA NATIVE HERITAGE CENTER
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WBH |
| DRAWN BY | GLB |
| DATE | 04/17/98 |
| W.O. NO. | D54557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| SCALE | 1042/1142 |
| HORIZ. | AS SHOWN |
| VERT. | |
| SHEET | C10.1 |
| FILE NO. | 260-80 |

SCALE INDICATED RELATE TO
30"x42" FULL-SIZE DRAWINGS

PROJECT: D54557B DRAWING NAME: DDTANHC SCRIPT FILE FOR THIS SHEET: D54557B.DWG DATE: DEC 17 1997 11:59:25 (W543)

D54557B DDTANHC

DOWL FILE No. 260-80

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ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
ACCESS DRIVE SECTIONS AND DETAILS

Revisions

| | |
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CONFORMED DRAWINGS

Date 04/17/98
Drawn GLB
Checked KRH
Job No. 95023

Sheet No.
C10.1
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FILENAME: D:\457B\ANSI\AHC.DWG

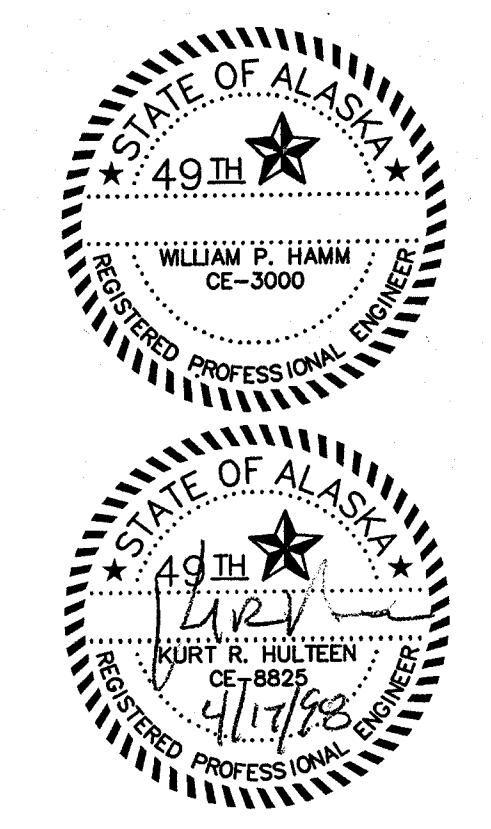
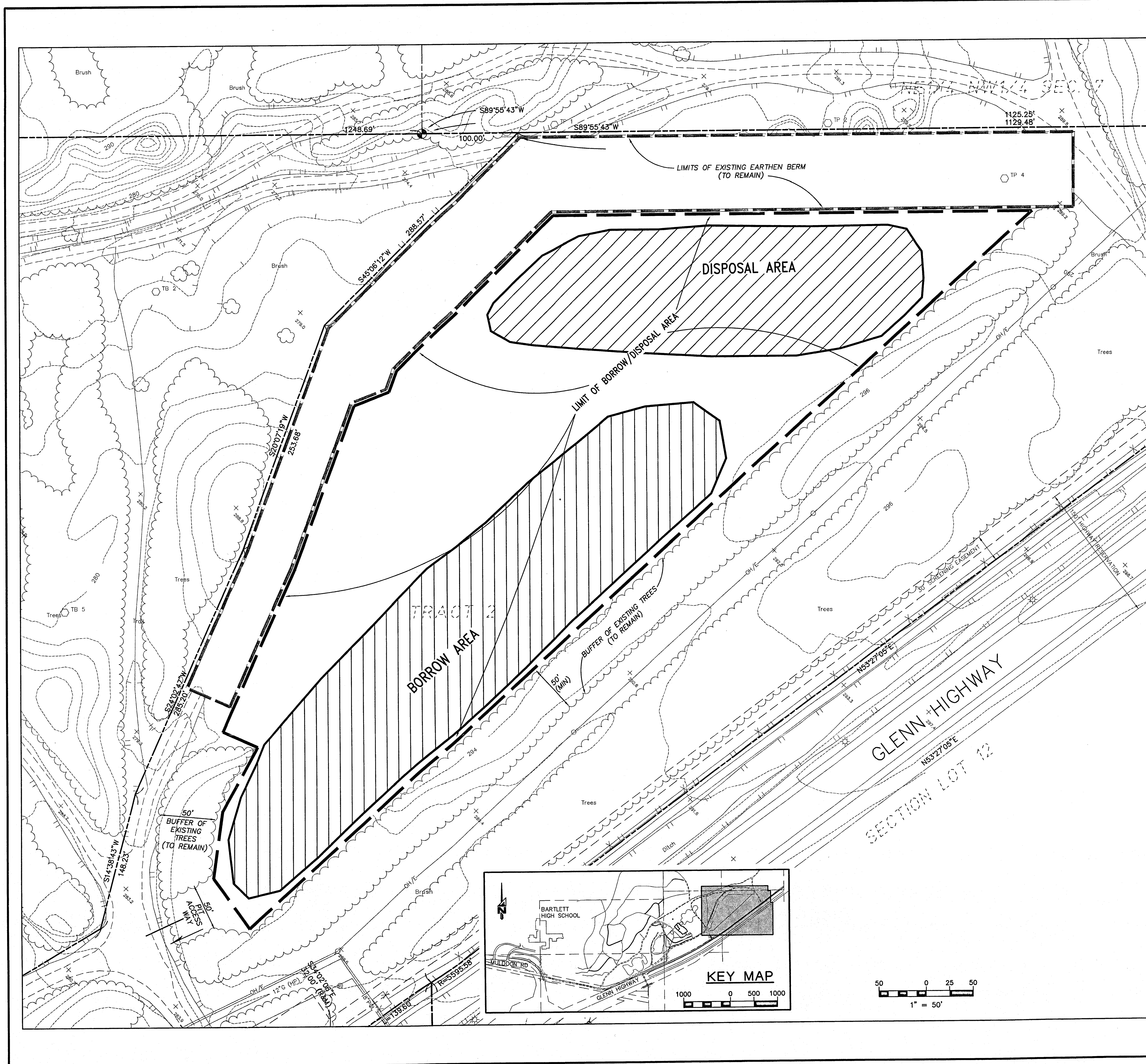
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XREF: XREFBASE.XREF.MPL

CREATED: DEC 04 1997 12:23:58

UPDATED: APR 16 1998 08:26:25

PLOTTED: APR 16 1998 09:36:10 (WS#59)



NOTES

19. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A SOURCE OF BACKFILL MATERIAL FOR THE ALASKA NATIVE HERITAGE (ANH) PROJECT. IF THE QUANTITY OF CLASSIFIED MATERIAL REQUIRED FOR THE WORK EXCEEDS THAT AVAILABLE FROM THE BORROW/DISPOSAL AREA, THE CONTRACTOR SHALL LOCATE, OBTAIN, DEVELOP, AND PROVIDE CLASSIFIED MATERIAL TO COMPLETE THE REQUIREMENTS OF THE WORK. THE CONTRACTOR MAY REQUEST PERMISSION TO PERFORM ADDITIONAL SOIL TESTING AT THE BORROW/DISPOSAL AREA TO DETERMINE QUALITY AND QUANTITY OF AVAILABLE CLASSIFIED MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE BORROW/DISPOSAL AREA PRIOR TO BIDDING TO OBSERVE EXISTING CONDITIONS. THE BORROW/DISPOSAL AREA WAS PARTIALLY DEVELOPED DURING THE PREVIOUS PHASE OF WORK.
20. THE BORROW/DISPOSAL AREA HAS ALSO BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A DISPOSAL SITE FOR MATERIAL EXCAVATED FROM THE ANHC PROJECT THAT ARE UNSUITABLE AS BACKFILL OR SURPLUS TO CONSTRUCTION. DISPOSAL OF TREES, SHRUBS, STUMPS, AND ROOTS AT THE BORROW/DISPOSAL AREA IS NOT ALLOWED. THE CONTRACTOR SHALL REMOVE ALL TREES, SHRUBS, STUMPS, AND ROOTS TO A CONTRACTOR FURNISHED DISPOSAL SITE.
21. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR THE SOLE USE OF THE ANHC PROJECT.
22. THE CONTRACTOR SHALL OBTAIN A LAND USE PERMIT FROM COOK INLET REGION INC. (CIR) PRIOR TO WORK IN THE BORROW/DISPOSAL AREA. A DRAFT COPY OF THE LAND USE PERMIT IS INCLUDED IN THE SPECIFICATION. THE CONTRACTOR SHALL REVIEW THE PERMIT STIPULATIONS, SPECIAL CONDITIONS, AND FIELD OPERATIONS REQUIREMENTS IDENTIFIED IN THE DRAFT LAND USE PERMIT AND BE PREPARED TO COMPLY WITH THESE REQUIREMENTS IF INTENDING TO UTILIZE THE BORROW/DISPOSAL AREA. THE CONTRACTOR SHALL CONTACT WILLIAM TAI, SENIOR LAND MANAGEMENT OFFICER AT COOK INC. REGION, INC. AT 283-5107 TO FINALIZE THE PERMIT PRIOR TO BEGINNING WORK IN THE BORROW/DISPOSAL AREA.
23. UTILIZATION OF THE BORROW/DISPOSAL AREA SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. BORROW/DISPOSAL AREA USE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO REMOVAL OF OVERBURDEN, EXCAVATION OF BORROW MATERIAL, AND DISPOSAL OF UNSUITABLE EXCAVATION FROM THE ANHC PROJECT. THE BORROW MATERIAL IS BEING PROVIDED TO THE ANHC PROJECT AT NO COST TO THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE ALL OTHER COSTS ASSOCIATED WITH THE USE OF THE BORROW/DISPOSAL AREA IN THEIR BID.
24. THE CONTRACTOR SHALL SUBMIT A GRAVEL EXTRACTION AND DISPOSAL PLAN INDICATING HOW THE BORROW/DISPOSAL AREA WILL BE UTILIZED. RESTORATION OF THE BORROW/DISPOSAL AREA IS NOT REQUIRED BY THIS CONTRACT BECAUSE FUTURE PHASES OF THE ANHC PROJECT WILL REQUIRE USE OF THE BORROW/DISPOSAL AREA. THE EXTRACTION AND DISPOSAL PLAN SHALL INCORPORATE THE REQUIREMENT FOR FUTURE USE OF THE BORROW/DISPOSAL AREA FOR EXTRACTION AND DISPOSAL.
25. THE CONTRACTOR SHALL COVER ANY ORGANIC MATERIAL DISPOSED OF AT THE BORROW/DISPOSAL AREA WITH A MINIM 4 FOOT LAYER OF SILTS, GRAVELS, OR SANDS CONTAIN 10 PERCENT MAXIMUM ORGANIC MATERIALS.
26. THE HORIZONTAL LIMITS OF THE BORROW/DISPOSAL AREA ARE SHOWN ON THE DRAWING.
27. EXISTING GROUND CONTOURS HAVE BEEN REMOVED FROM THIS DRAWING BECAUSE THE ORIGINAL CONTOURS ARE NO LONGER VALID DUE TO WORK COMPLETED DURING THE SUMMER OF 1997. THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID.
28. ALL EXCAVATION SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.

SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

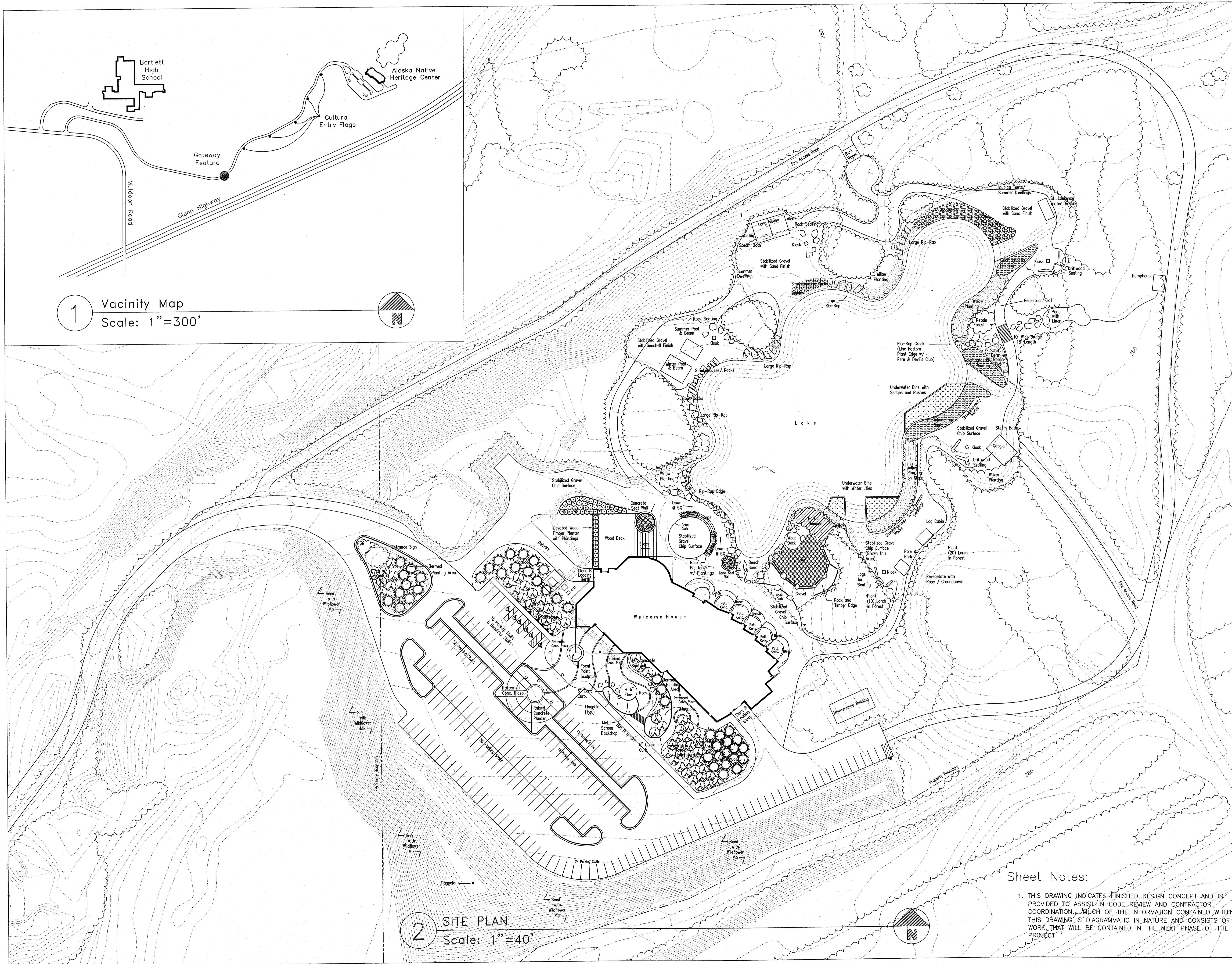
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 ANHC
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 BORROW / DISPOSAL AREA SITE PLAN

CONFORMED DRAWINGS

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 Checked KRH
 Job No. 95023

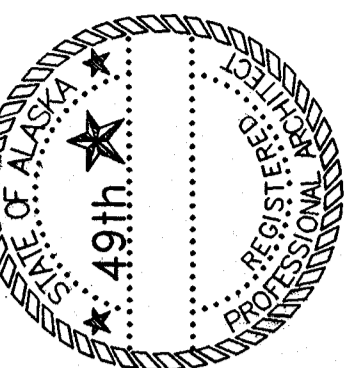

Sheet No.
C11.1
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1 Vacinity Map
Scale: 1"=300'

2 SITE PLAN
Scale: 1"=40'

Sheet Notes:
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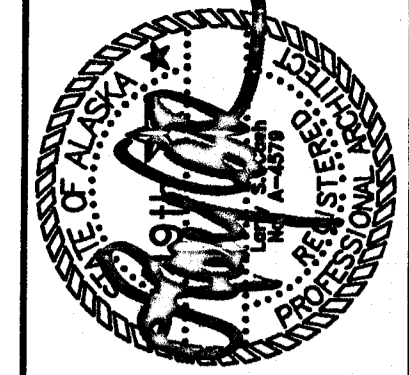
ALASKA NATIVE HERITAGE CENTER
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ANCHORAGE, ALASKA
SITE PLAN

Revisions

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Date 04/17/98
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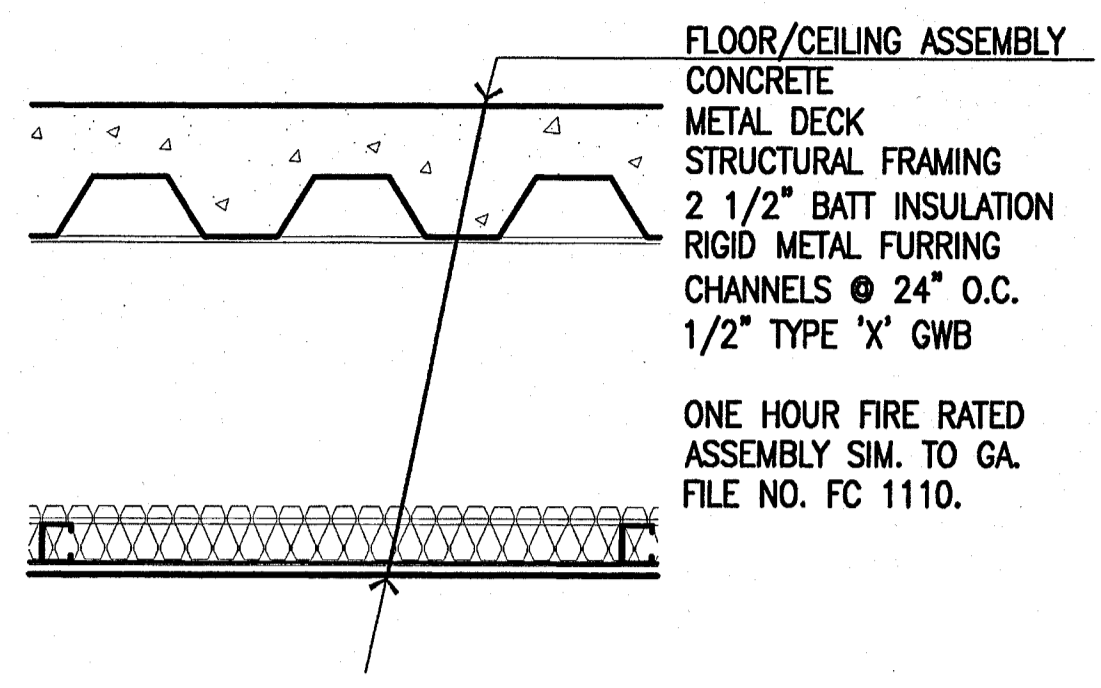
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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 GENERAL NOTES, EXTERIOR WALL TYPES AND FIRE RATED ASSEMBLIES

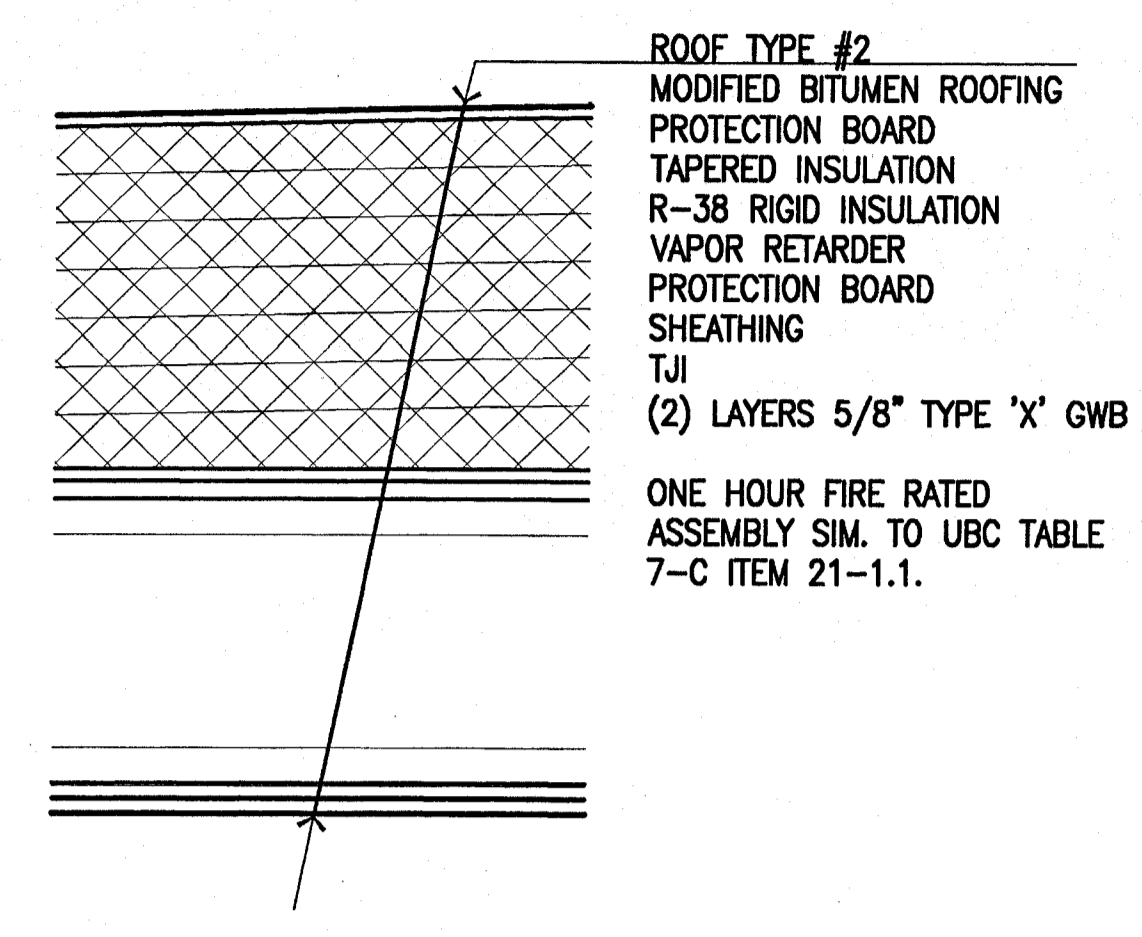
Revisions

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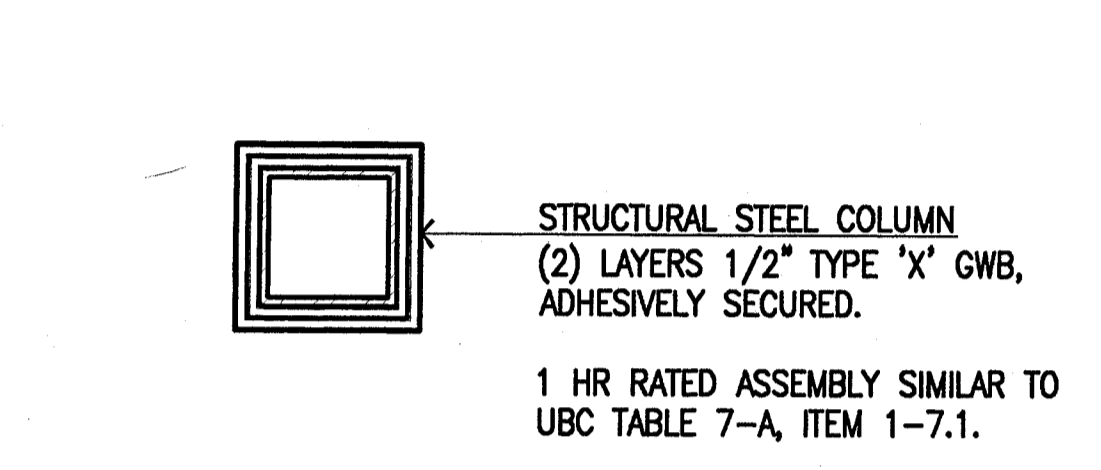
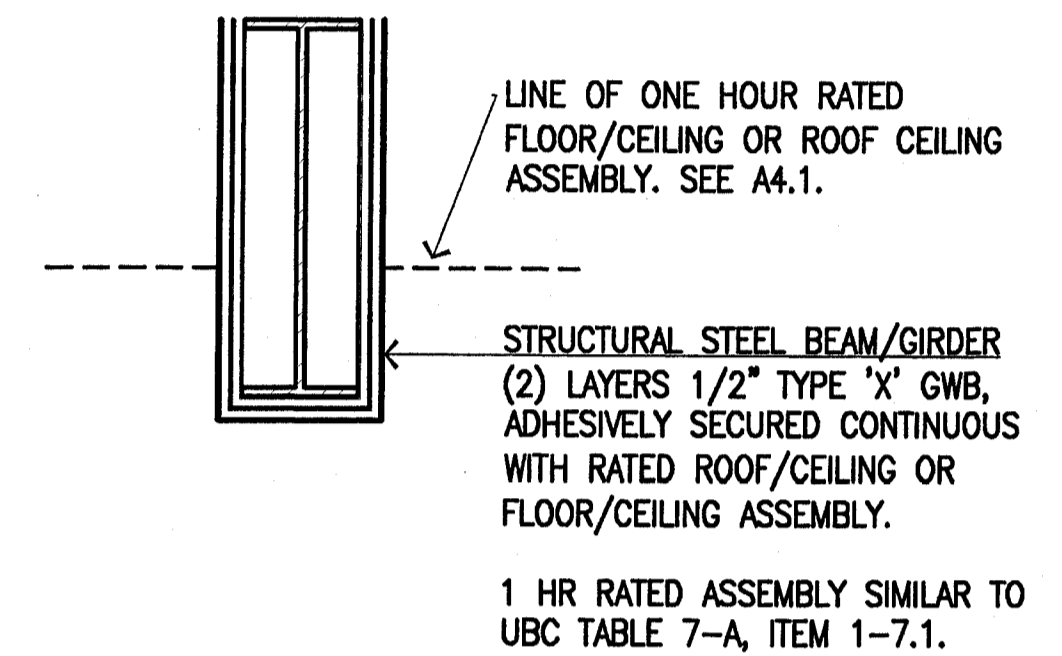
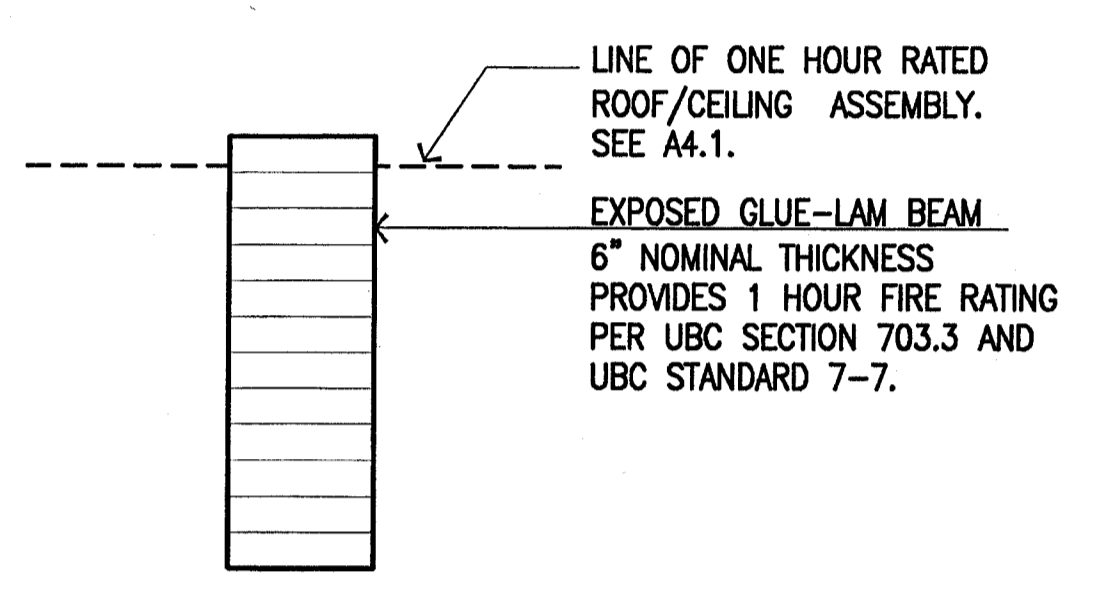
Date 04/17/98
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 Job No. 95023
 Sheet No. **A0.1**
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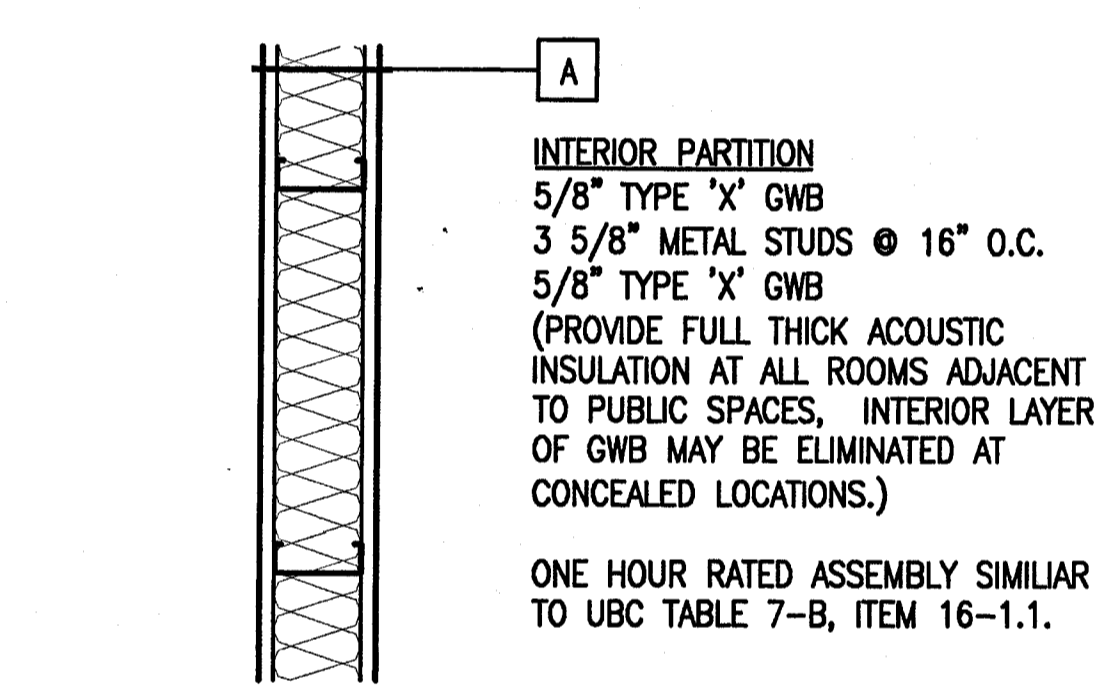
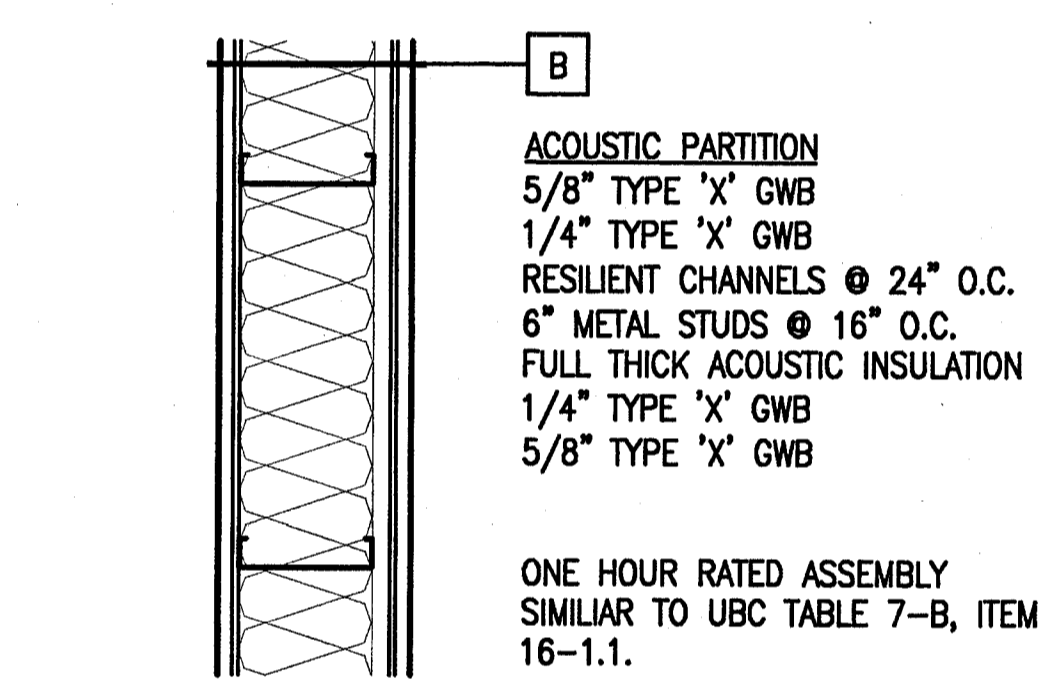
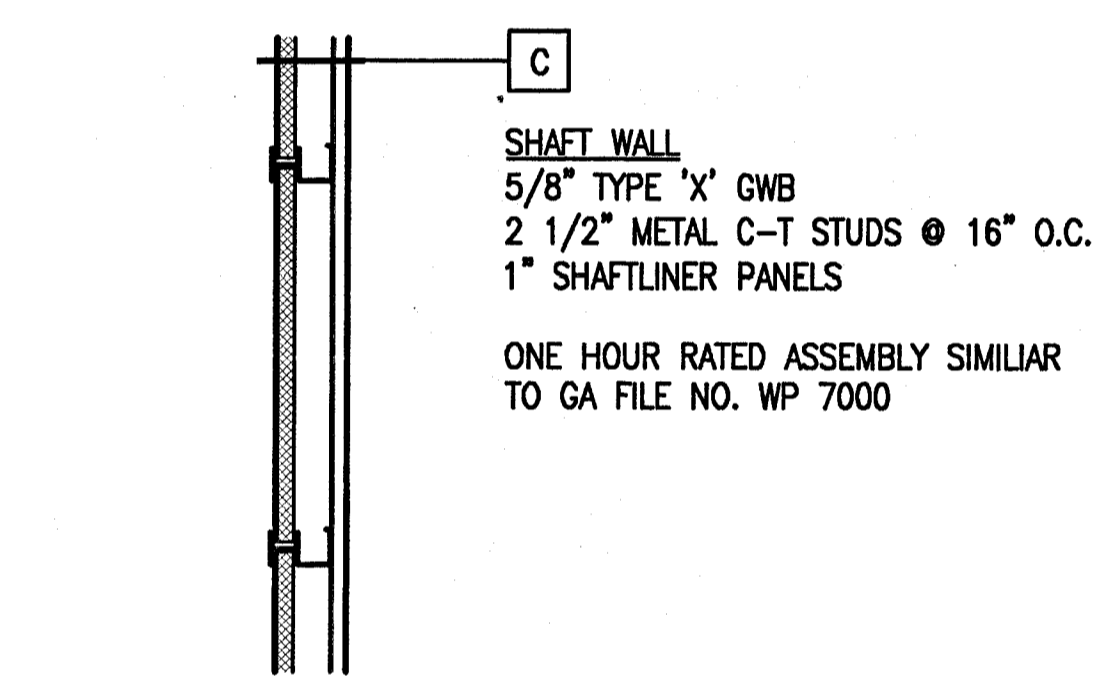
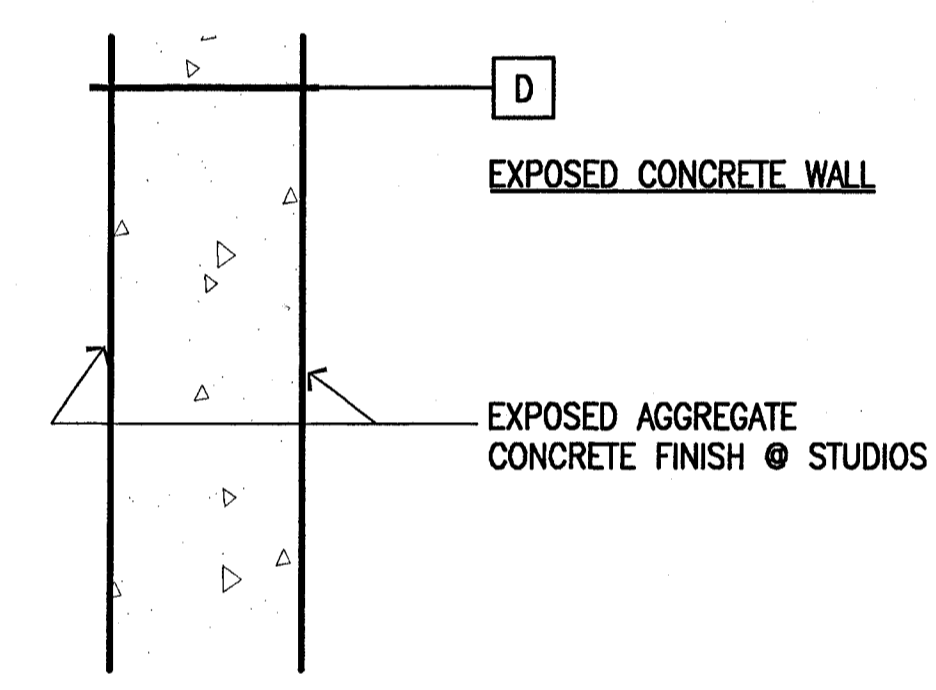
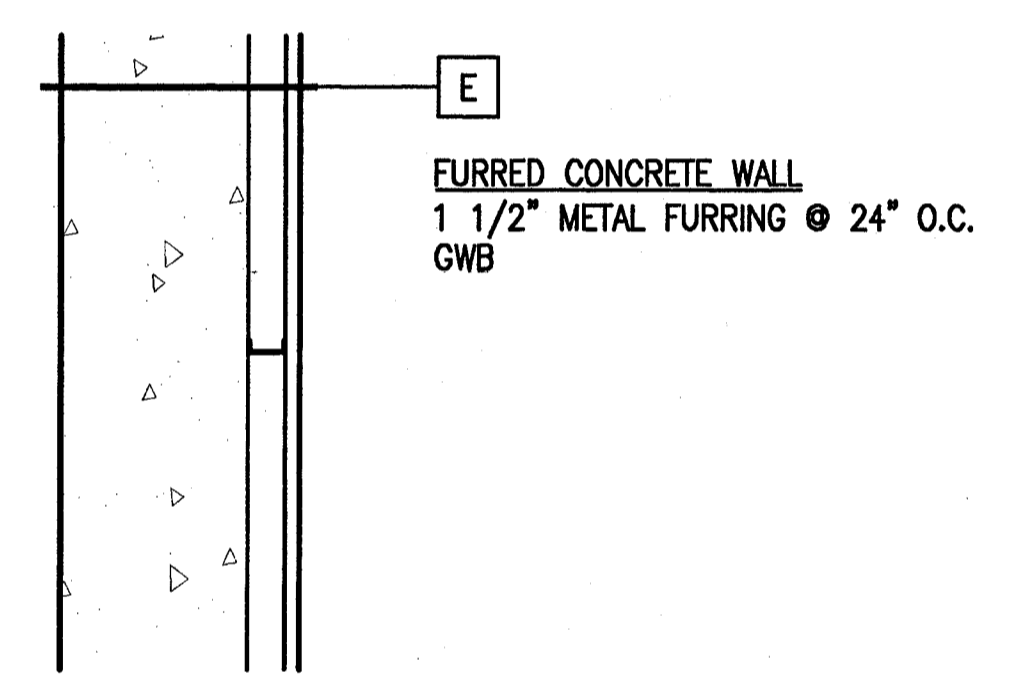
5 Fire Rated Floor/Ceiling Assemblies
 SCALE: 1-1/2" = 1'-0"



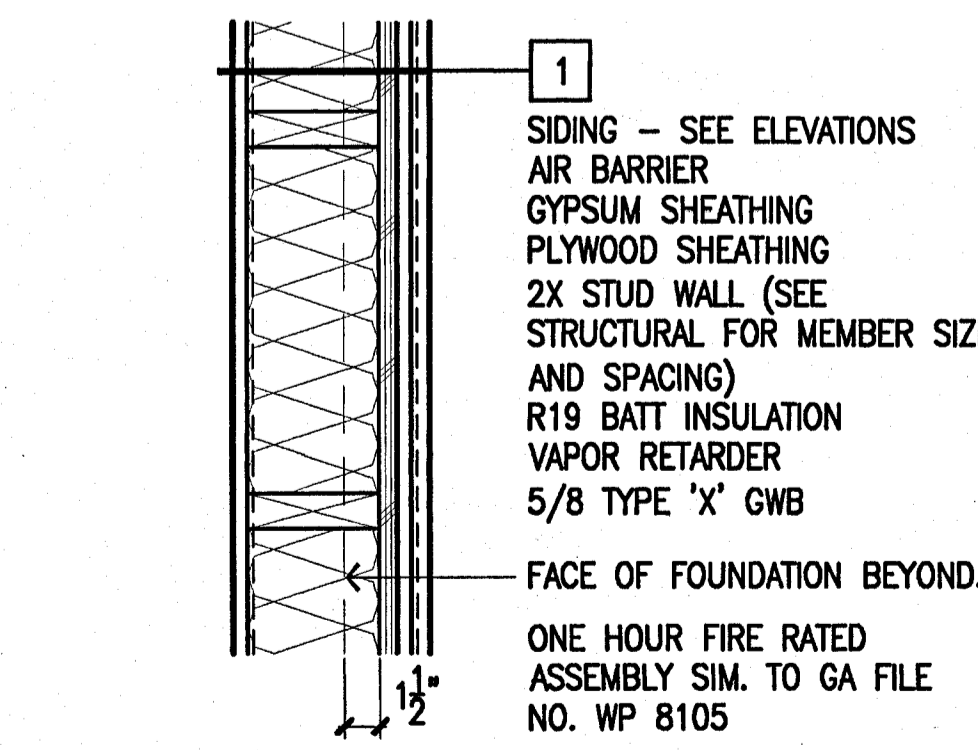
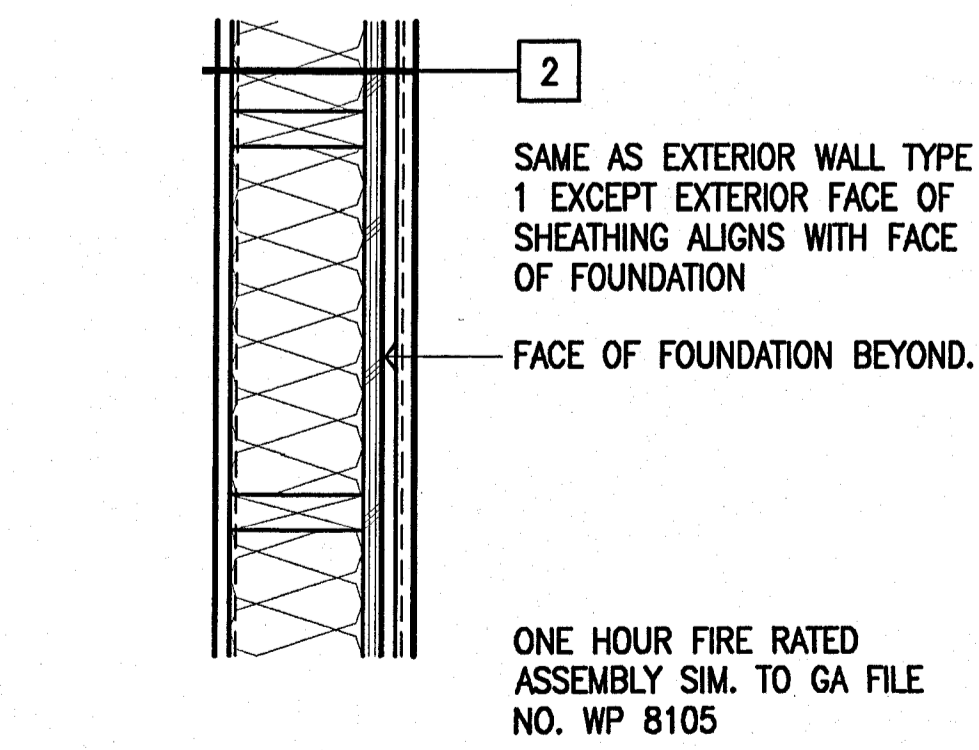
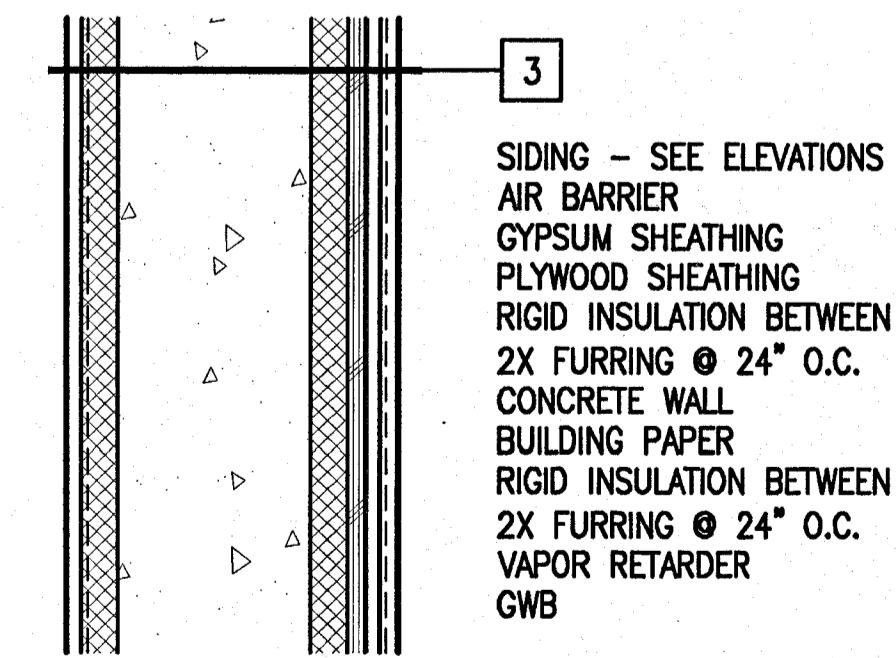
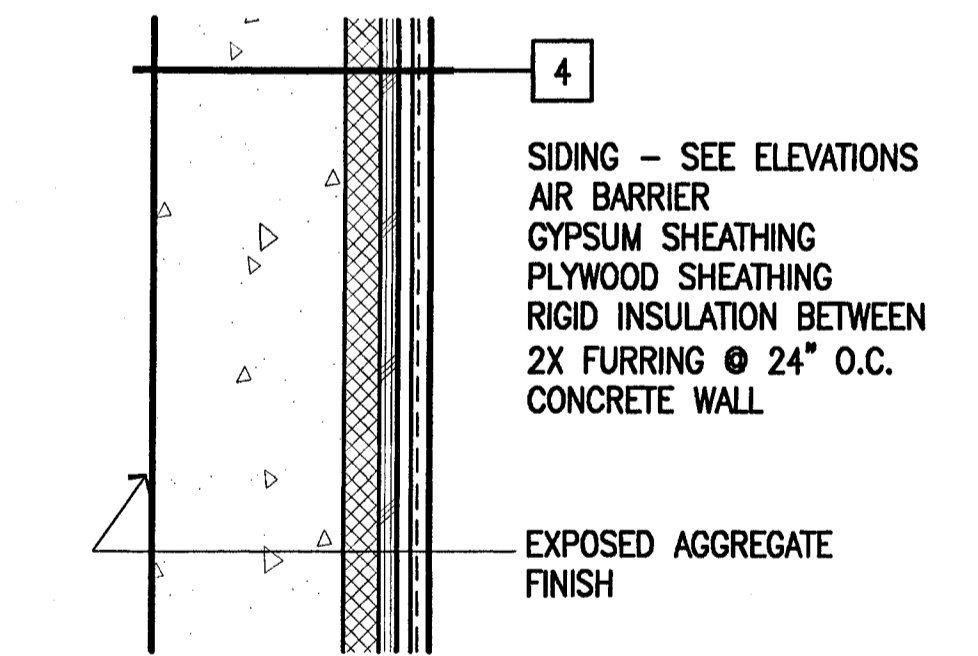
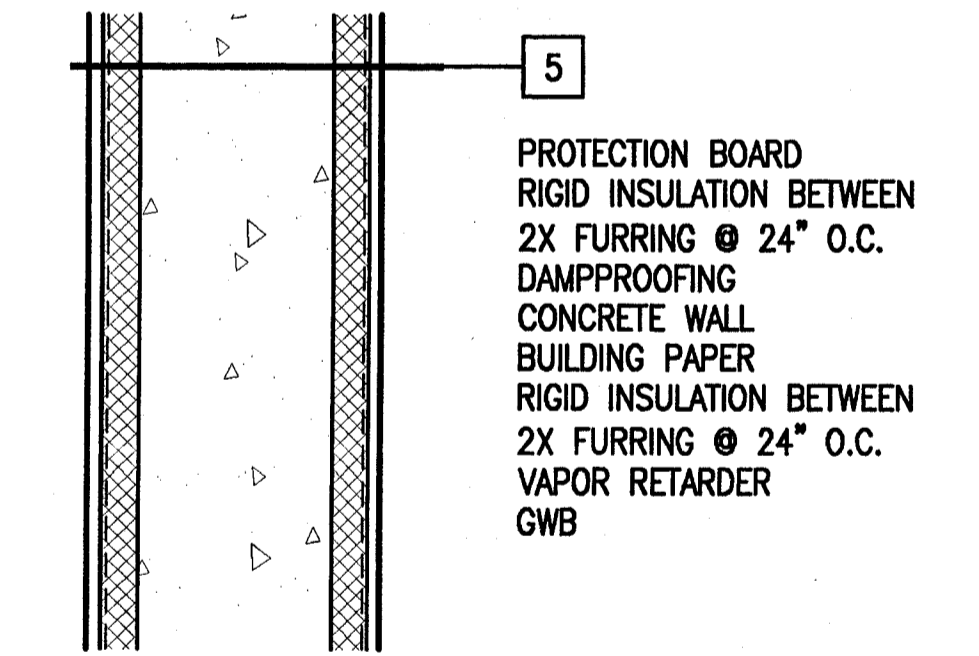
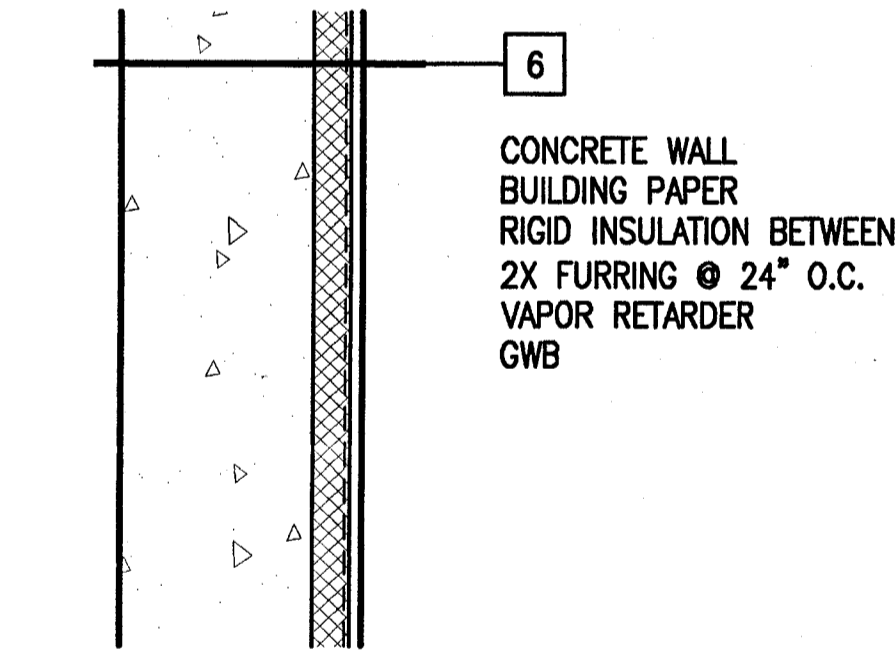
4 Fire Rated Roof/Ceiling Assemblies
 SCALE: 1-1/2" = 1'-0"



3 Fire Rated Structural Assemblies
 SCALE: 1-1/2" = 1'-0"



2 Interior Partition Types
 SCALE: 1-1/2" = 1'-0"



1 Exterior Wall Types
 SCALE: 1-1/2" = 1'-0"

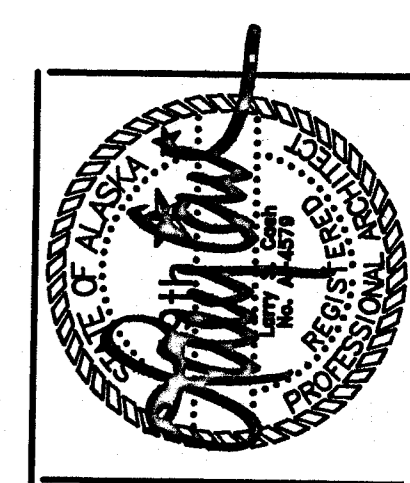
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- SECTION CUT: XX - SECTION NUMBER, X.XX - SHEET WHERE SECTION IS DRAWN
- ELEVATION SYMBOL: XX - ELEVATION NUMBER, X.XX - SHEET WHERE ELEVATION IS DRAWN
- INTERIOR ELEVATION SYMBOL: XX - ELEVATION NUMBER, X.XX - SHEET WHERE ELEVATION IS DRAWN, X - VIEW
- PARTITION TYPE: X - SEE SHEET A0.1 FOR SCHEDULE OF WALL AND PARTITION TYPES, Y - WALL TYPE ABOVE, X - WALL TYPE BELOW
- ROOM NAME & NUMBER: ROOM NAME - ROOM NAME, XXXX - ROOM NUMBER
- DOOR NUMBER: XXXX
- GRID BUG: XX - COLUMN GRID DESIGNATION
- WINDOW BUG: XX - WINDOW TYPE
- ROOF PITCH: X/12
- MATCH LINE: ---
- REVISION BUG: XX - REVISION NUMBER

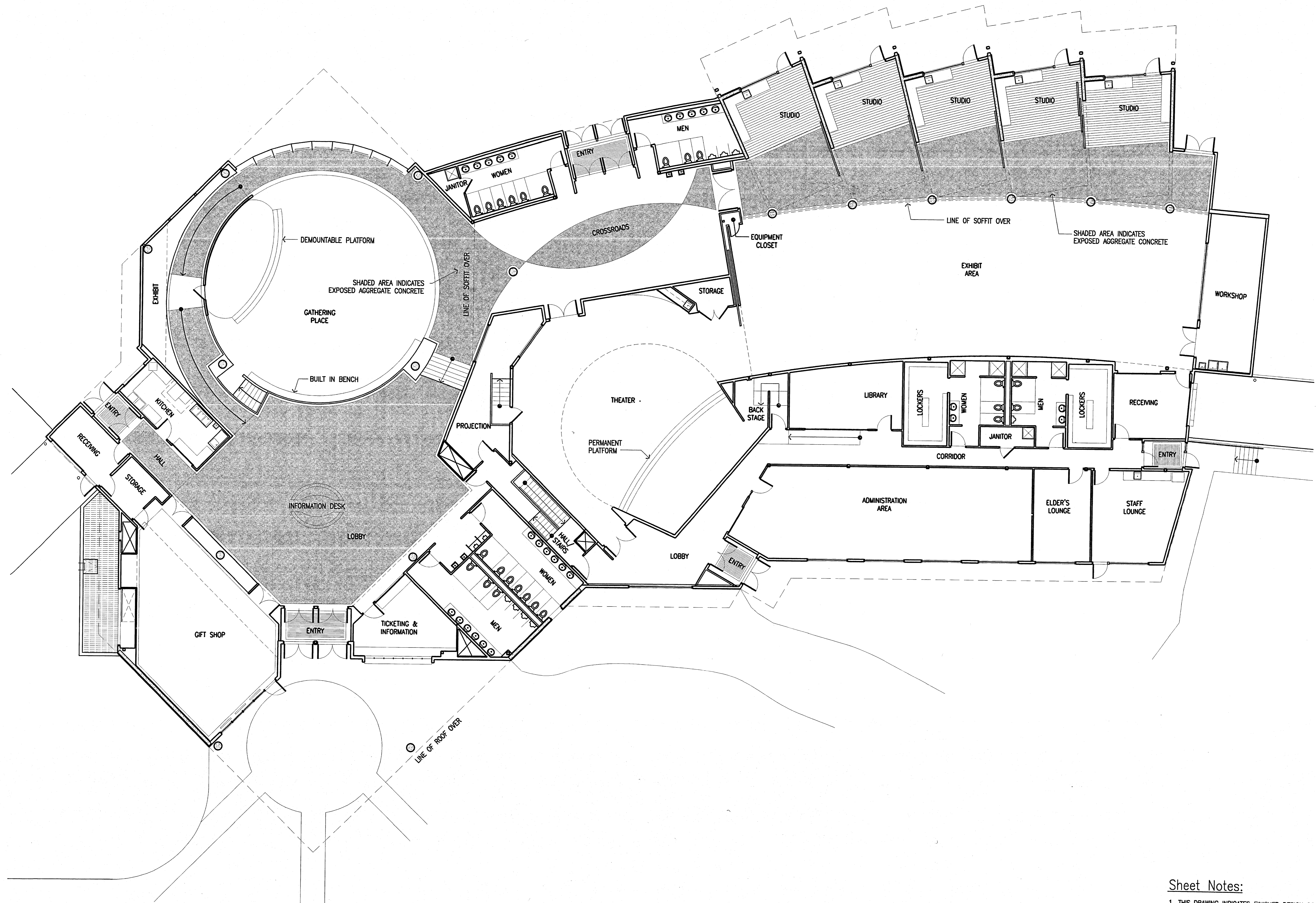
Architectural General Notes:

1. DIMENSIONAL HIERARCHY:
 - AS SPECIFICALLY NOTED
 - TO NEAREST GRIDLINE
 - TO FACE OF CONCRETE
 - TO FACE OF STUD
 - CLEAR TO FACE OF FINISH
2. ALL HARDWARE TO COMPLY WITH THE ADA ACCESSIBILITY GUIDELINES CHAPTER 4.13 AND UFAS CHAPTER 23.70 FOR ACCESSIBILITY.
3. EXIT HARDWARE TO OPEN FROM THE INSIDE WITH ONE MOTION, NO SPECIAL KNOWLEDGE OR EFFORT, NO THUMB TURNS OR SEPARATE DEADBOLTS.
4. THE FLOOR OR LANDING AT DOORS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE THRESHOLD OF THE DOORWAY (PER ADA REQUIREMENTS).
5. PROVIDE FIRE BLOCKING AND DRAFT STOPS IN ACCORDANCE WITH SECTION 708 OF THE UNIFORM BUILDING CODE.
6. REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN DRAWINGS.
7. PROVIDE METAL 'J' TRIM AND SEALANT AT JUNCTION OF GWB AND DISSIMILAR MATERIALS, TYPICAL.
8. THE INSIDE FACE OF ALL INTERIOR PARTITIONS AT TOILET ROOMS, RECEIVING ROOMS, AND PROJECTION ROOM TO BE BACKED BY 1/2" PLYWOOD FOR EQUIPMENT AND FIXTURE SUPPORT AND DURABILITY.
9. PROVIDE MOISTURE RESISTANT (MR) GWB AT ALL TOILET ROOMS, JANITOR CLOSETS, AND THE KITCHEN. REFER TO DRAWING A0.2 FOR EXTENT OF MR GWB THIS PHASE.

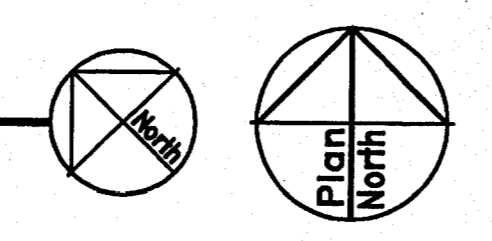
11/10/98 11:58 AM 11/10/98 11:58 AM 11/10/98 11:58 AM 11/10/98 11:58 AM 11/10/98 11:58 AM



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1 Floor Plan
 SCALE: 1/8"=1'-0"



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 1. THIS DRAWING INDICATES FINISHED DESIGN CONCEPT AND IS PROVIDED TO ASSIST IN CODE REVIEW AND CONTRACTOR COORDINATION. MUCH OF THE INFORMATION CONTAINED WITHIN THIS DRAWING IS DIAGRAMMATIC IN NATURE AND CONSISTS OF WORK THAT WILL BE CONTAINED IN THE NEXT PHASE OF THE PROJECT.

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 DIAGRAMMATIC FLOOR PLAN

Revisions

CONFORMED DRAWINGS

Date 04/17/98
 Drawn FWP, MLT, PMD
 Checked RRR
 Job No. 95023
 Sheet No.

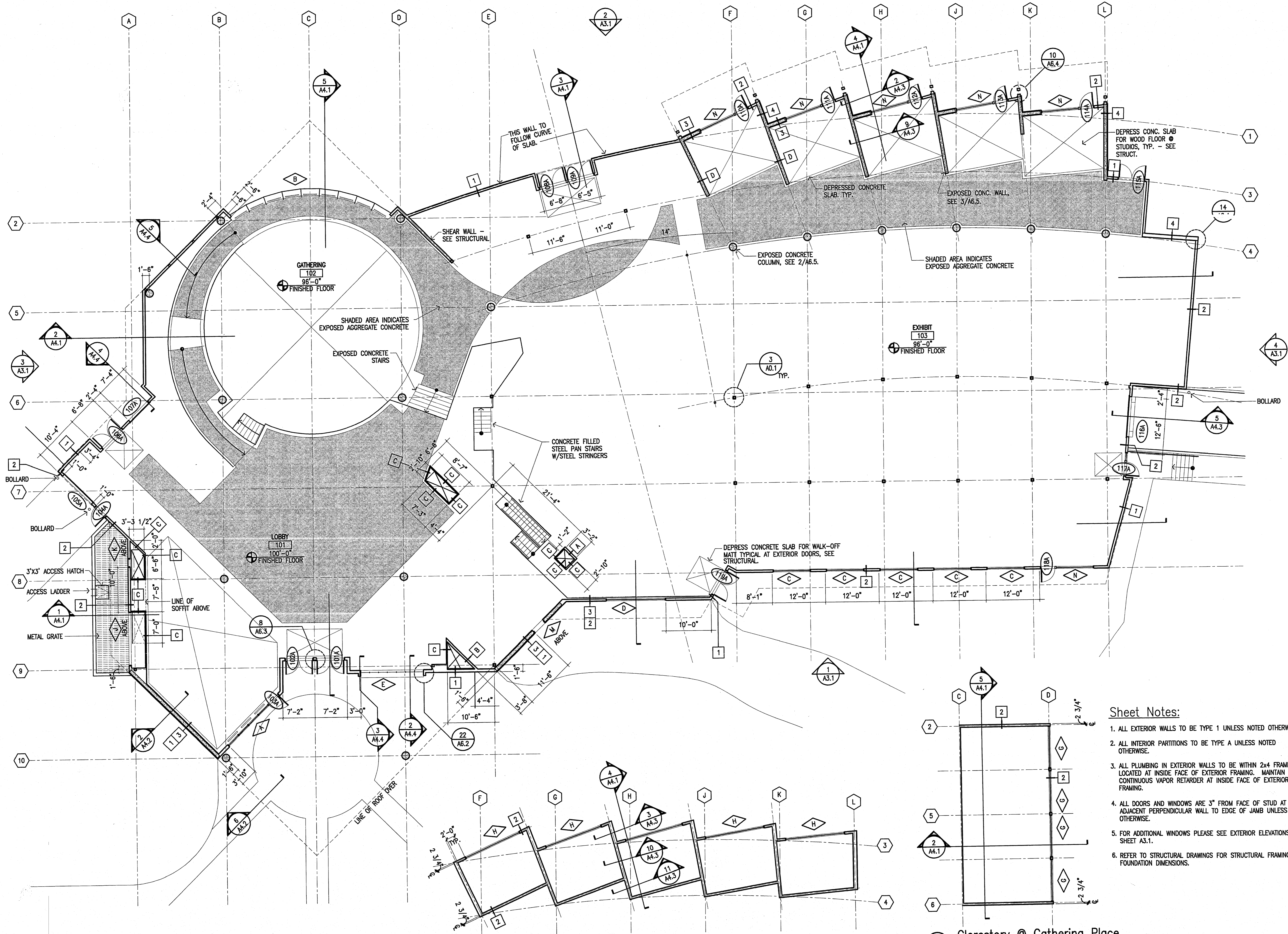
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ALASKA NATIVE HERITAGE CENTER
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 FLOOR PLAN

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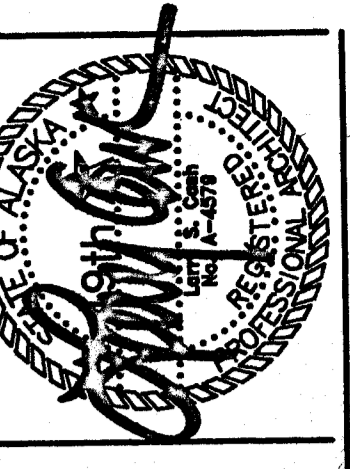
3 Floor Plan
 SCALE: 1/8"=1'-0"

2 Clerestory @ Studios
 SCALE: 1/8"=1'-0"

1 Clerestory @ Gathering Place
 SCALE: 1/8"=1'-0"

- Sheet Notes:**
- ALL EXTERIOR WALLS TO BE TYPE 1 UNLESS NOTED OTHERWISE.
 - ALL INTERIOR PARTITIONS TO BE TYPE A UNLESS NOTED OTHERWISE.
 - ALL PLUMBING IN EXTERIOR WALLS TO BE WITHIN 2x4 FRAMING LOCATED AT INSIDE FACE OF EXTERIOR FRAMING. MAINTAIN CONTINUOUS VAPOR RETARDER AT INSIDE FACE OF EXTERIOR FRAMING.
 - ALL DOORS AND WINDOWS ARE 3" FROM FACE OF STUD AT ADJACENT PERPENDICULAR WALL TO EDGE OF JAMB UNLESS NOTED OTHERWISE.
 - FOR ADDITIONAL WINDOWS PLEASE SEE EXTERIOR ELEVATIONS, SHEET A3.1.
 - REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL FRAMING AND FOUNDATION DIMENSIONS.

USDC:\PROJECTS\ALASKA NATIVE HERITAGE CENTER\A1.2.dwg (04/17/98) 10:35:47 AM



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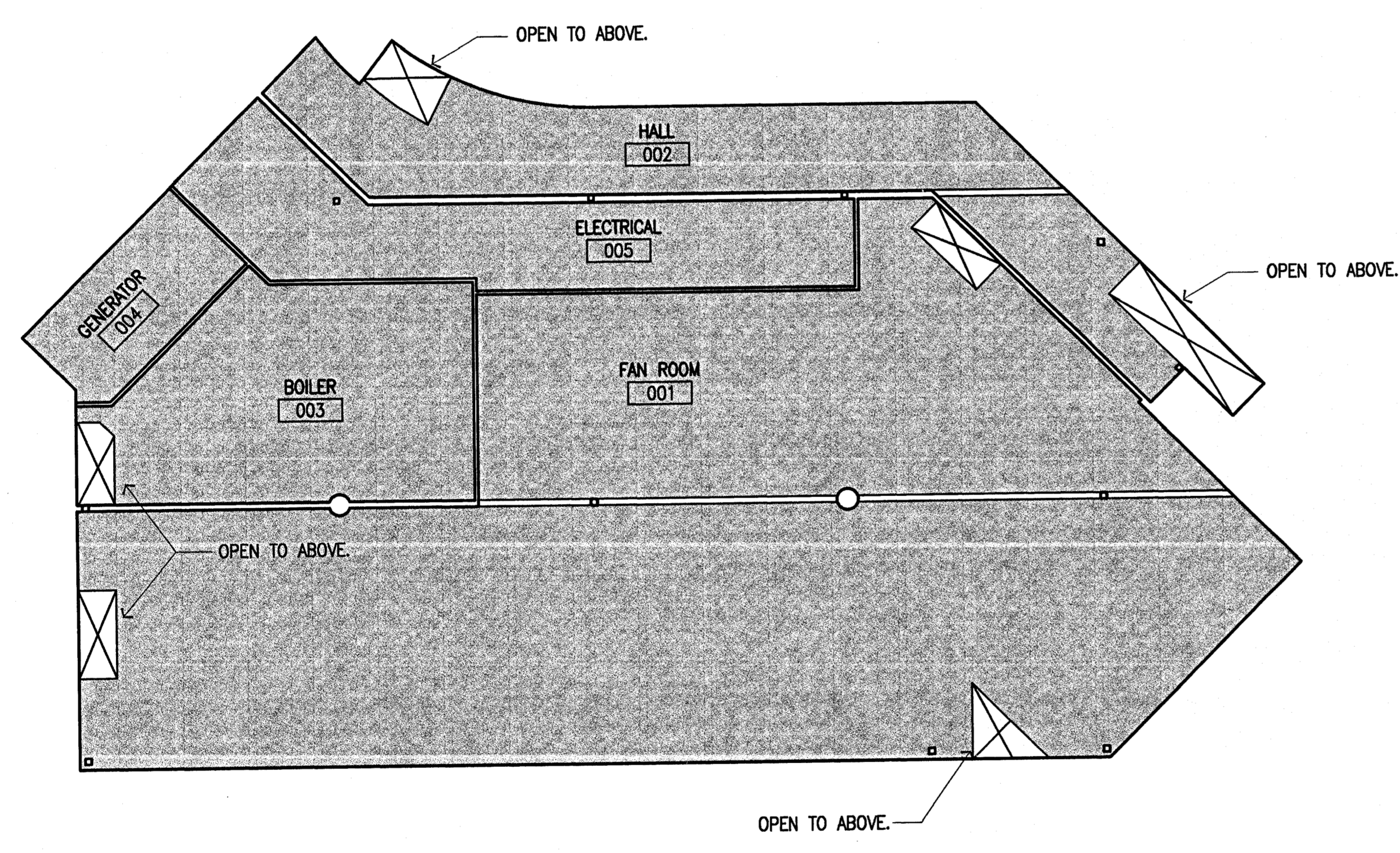
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 MECHANICAL ROOM FLOOR & REFLECTED CEILING PLANS

Revisions

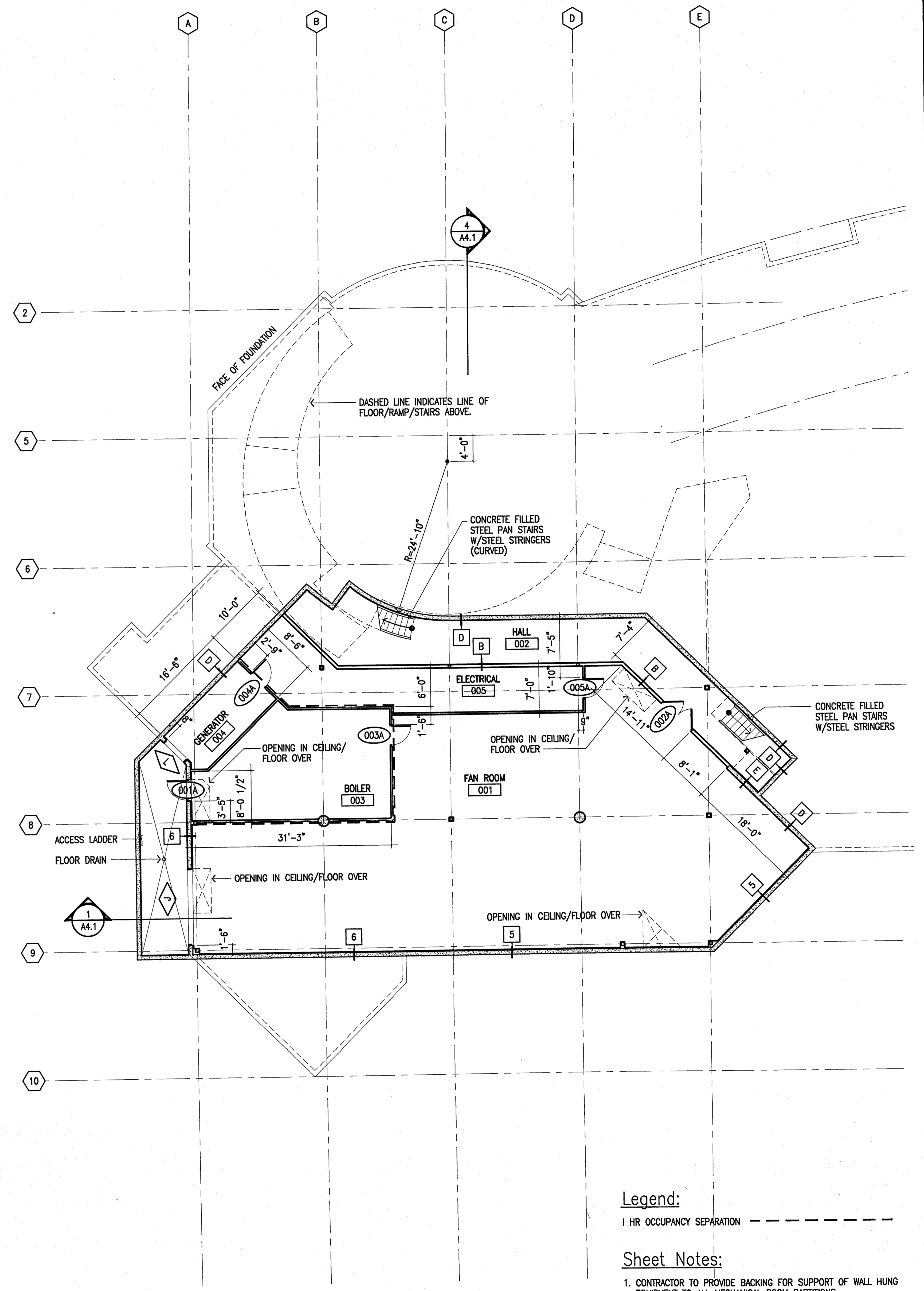
CONFORMED DRAWINGS

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 Checked RRR
 Job No. 95023

Sheet No. **A1.3**
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2 Reflected Ceiling Plan
 SCALE: 1/8"=1'-0"

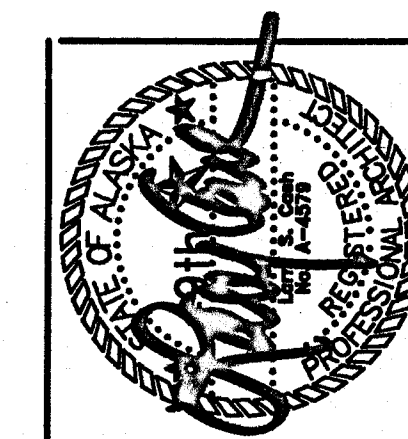


1 Floor Plan
 SCALE: 1/8"=1'-0"

Legend:
 1 HR OCCUPANCY SEPARATION

Sheet Notes:
 1. CONTRACTOR TO PROVIDE BACKING FOR SUPPORT OF WALL HUNG EQUIPMENT TO ALL MECHANICAL ROOM PARTITIONS.

DRAWN BY: FWP, MLT, PMD; CHECKED BY: RRR; DATE: 04/17/98

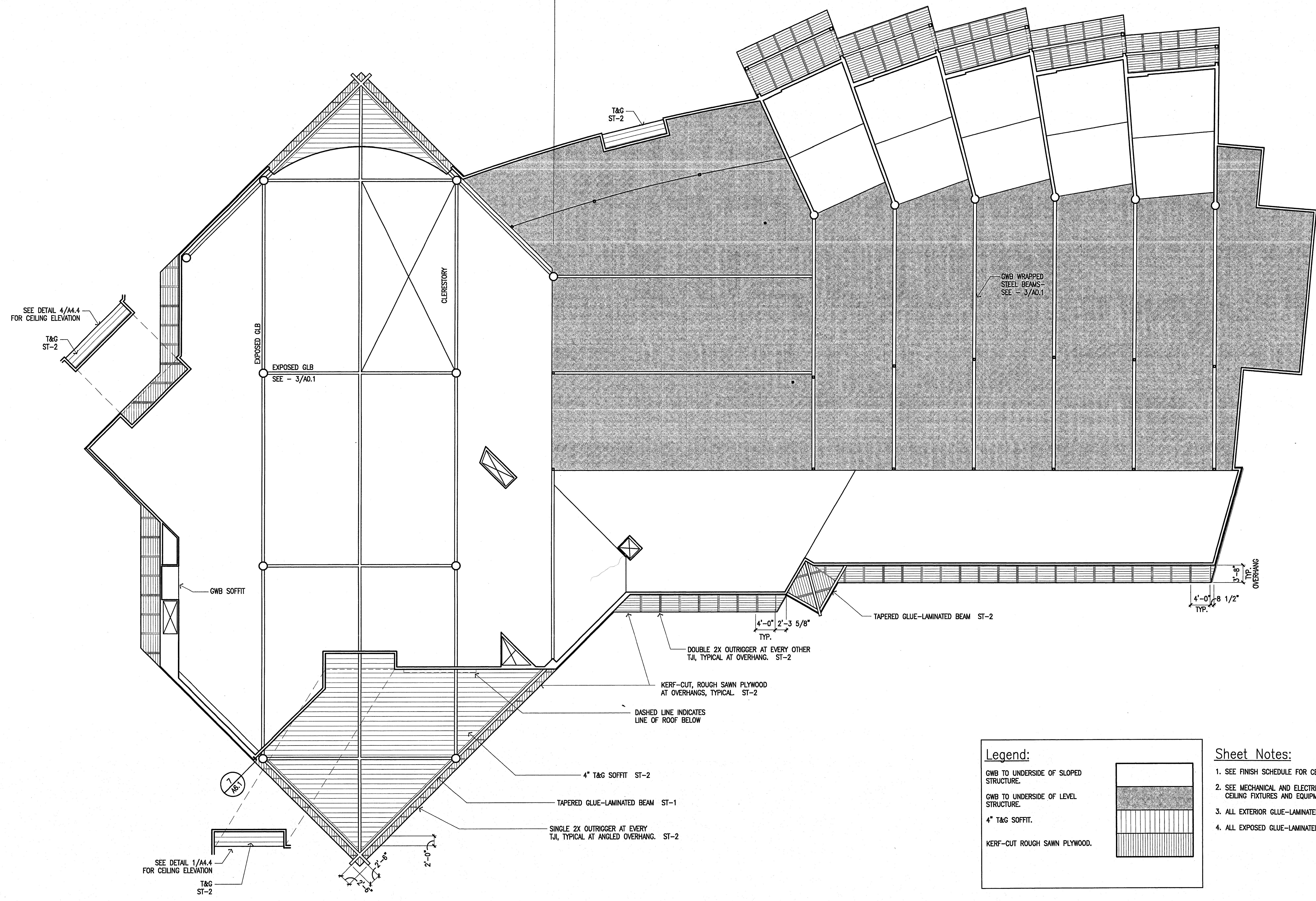


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ALASKA NATIVE HERITAGE CENTER
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 REFLECTED CEILING PLAN

Revisions
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 Date 04/17/98
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 Job No. 95023
 Sheet No.
A1.4
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← ALL INTERIOR GLUE-LAMINATED BEAMS TO BE EXPOSED TO VIEW THIS SIDE. →
 ← ALL INTERIOR GLUE-LAMINATED BEAMS TO BE CONCEALED FROM VIEW THIS SIDE. →



Legend:

- GWB TO UNDERSIDE OF SLOPED STRUCTURE.
- GWB TO UNDERSIDE OF LEVEL STRUCTURE.
- 4" T&G SOFFIT.
- KERF-CUT ROUGH SAWN PLYWOOD.

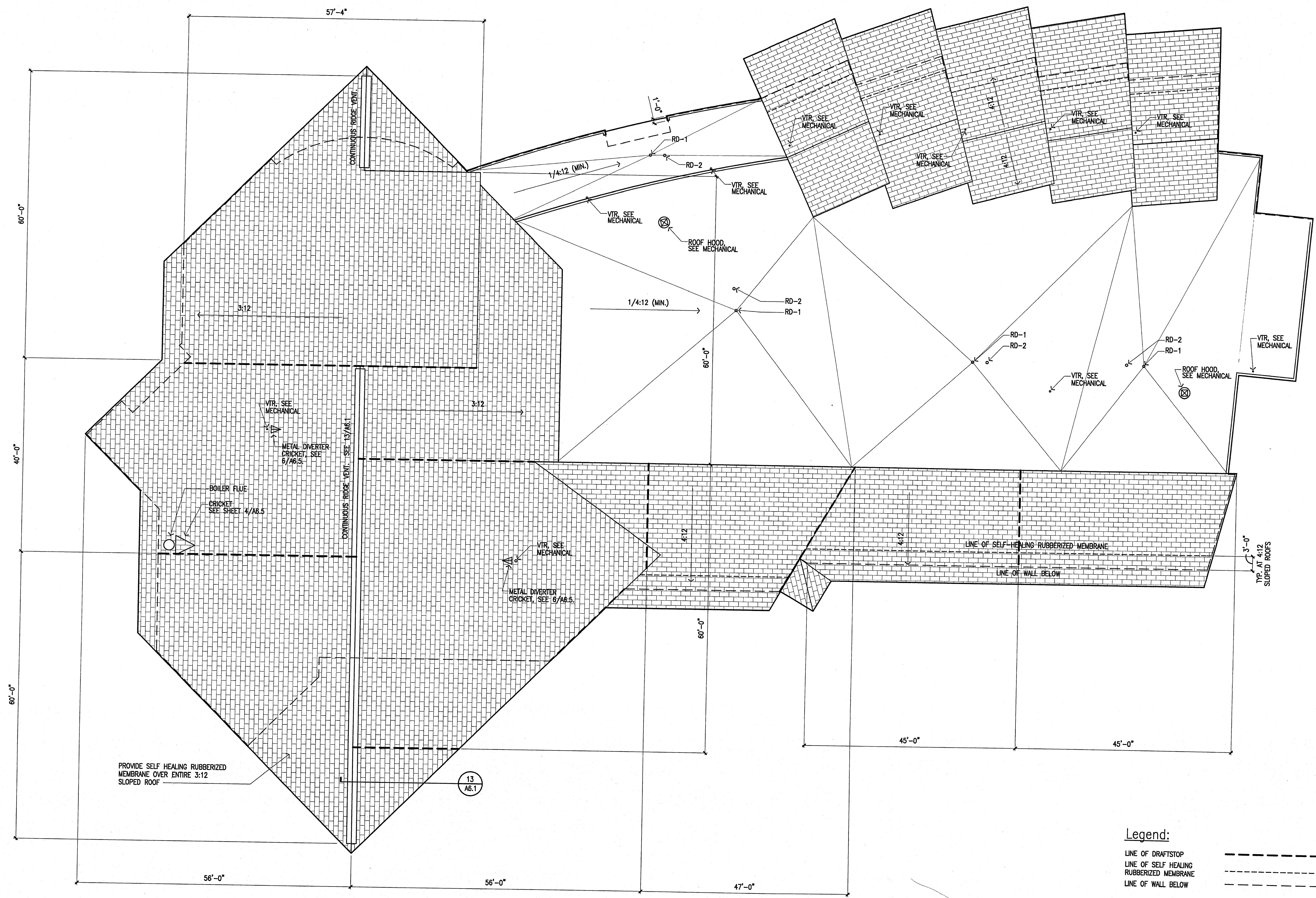
- Sheet Notes:**
1. SEE FINISH SCHEDULE FOR CEILING HEIGHTS NOT INDICATED.
 2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING FIXTURES AND EQUIPMENT.
 3. ALL EXTERIOR GLUE-LAMINATED BEAMS TO BE EXPOSED.
 4. ALL EXPOSED GLUE-LAMINATED BEAMS TO BE ROUGH SAWN FINISH.

1 Reflected Ceiling Plan
 SCALE: 1/8"=1'-0"

U:\95023\Phase2\Drawings\A1.4.dwg Thu Apr 16 15:10:13 1998



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60'-0"
 40'-0"
 60'-0"
 60'-0"
 56'-0"
 57'-4"
 60'-0"
 60'-0"
 45'-0"
 45'-0"
 47'-0"

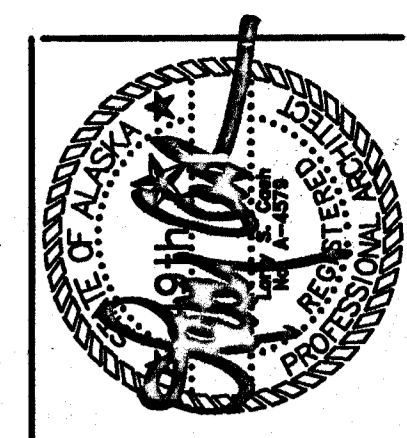
1 Roof Plan
 SCALE: 1/8"=1'-0"

Legend:
 LINE OF DRAFTSTOP ———
 LINE OF SELF HEALING RUBBERIZED MEMBRANE - - - - -
 LINE OF WALL BELOW - - - - -

Sheet Notes:
 1. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS AND EQUIPMENT.
 2. DIMENSIONS OF DRAFT STOPS ARE APPROXIMATE. LOCATE DRAFTSTOP AT TJI NEAREST DIMENSION INDICATED.

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 ROOF PLAN

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ALASKA NATIVE HERITAGE CENTER
 ANHC
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 OPENING SCHEDULES

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 Checked RRR
 Job No. 95023
 Sheet No.
A2.1
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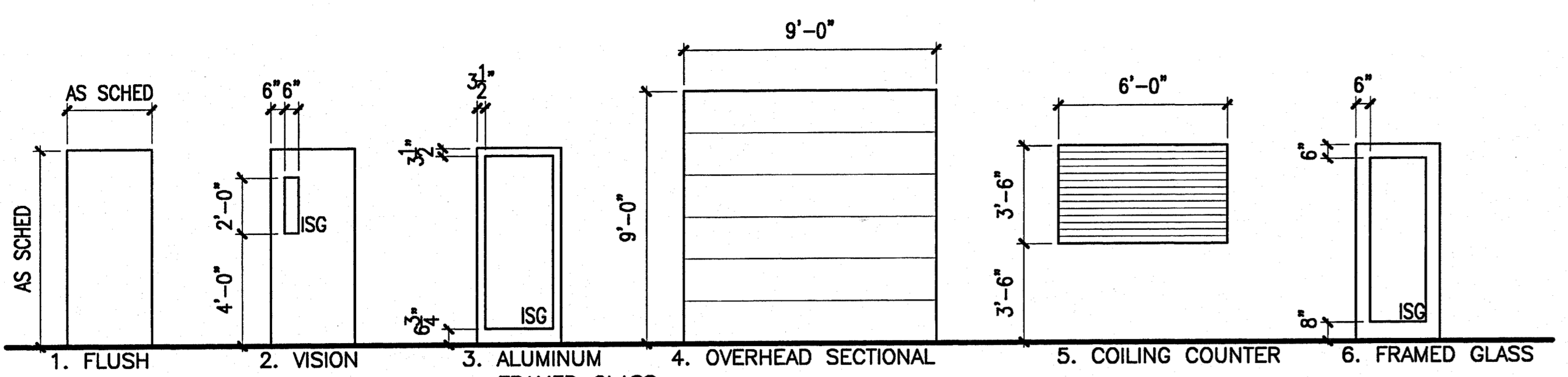
| OPNG. NO. | SIZE W x H x T | DOOR | | FRAME | | GLAZ. C. | LABEL | HDWR. | HEAD | JAMB | SILL | REMARKS |
|-----------|-----------------------|------|--------------|-------|--------------|----------|-------|-------|------|---------|----------|---------|
| | | TYPE | MAT'L FINISH | TYPE | MAT'L FINISH | | | | | | | |
| 001A | 3'-0"x7'-0"x1 3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW1 | 2/A6.3 | 1/A6.3 | - |
| 002A | PR 3'-0"x7'-0"x1 3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW2 | 5/A6.3 | 5/A6.3 | - |
| 003A | 3'-0"x7'-0"x1 3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW3 | 5/A6.3 | 5/A6.3 | - |
| 004A | 3'-0"x7'-0"x1 3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW3 | 5/A6.3 | 5/A6.3 | - |
| 005A | 3'-0"x7'-0"x1 3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW3 | 5/A6.3 | 5/A6.3 | - |
| 101A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL FF | 1 | AL FF | INS | --- | --- | HW4 | 9/A6.3 | 7,8/A6.3 | 6/A6.3 |
| 102A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL FF | 1 | AL FF | INS | --- | --- | HW5 | 9/A6.3 | 7,8/A6.3 | 6/A6.3 |
| 103A | 3'-0"x7'-0"x1-3/4" | 3 | AL FF | --- | --- | --- | --- | --- | HW6 | --- | 4/A6.3 | 3/A6.3 |
| 104A | 3'-0"x7'-0"x1-3/4" | 2 | IHM P | 1 | IHM P | INS | 60 | --- | HW7 | 13/A6.3 | 12/A6.3 | 11/A6.3 |
| 105A | 9'-0"x9'-0" | 4 | --- | P | --- | --- | --- | --- | HW8 | 18/A6.3 | 17/A6.3 | 16/A6.3 |
| 106A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL FF | 1 | AL FF | --- | --- | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 |
| 107A | 6'-0"x3'-6" | 5 | AL FF | 3 | AL FF | --- | --- | --- | HW9 | 23/A6.3 | 22/A6.3 | 21/A6.3 |
| 108A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL FF | 1 | AL FF | INS | --- | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 |
| 109A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL FF | 1 | AL FF | INS | --- | --- | HW5 | 9/A6.3 | 7/A6.3 | 6/A6.3 |
| 110A | 3'-0"x7'-0"x1-3/4" | 6 | WD ST | 1 | WD ST | INS | --- | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 111A | 3'-0"x7'-0"x1-3/4" | 6 | WD ST | 1 | WD ST | INS | --- | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 112A | 3'-0"x7'-0"x1-3/4" | 6 | WD ST | 1 | WD ST | INS | --- | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 113A | 3'-0"x7'-0"x1-3/4" | 6 | WD ST | 1 | WD ST | INS | --- | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 114A | 3'-0"x7'-0"x1-3/4" | 6 | WD ST | 1 | WD ST | INS | --- | --- | HW10 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 115A | PR 3'-0"x7'-0"x1-3/4" | 1 | IHM P | 1 | IHM P | --- | --- | --- | HW11 | 13/A6.3 | 12/A6.3 | 11/A6.3 |
| 116A | 9'-0"x9'-0" | 4 | --- | P | --- | --- | --- | --- | HW8 | 18/A6.3 | 17/A6.3 | 16/A6.3 |
| 117A | 3'-0"x7'-0"x1-3/4" | 6 | IHM P | 2 | IHM P | INS | --- | --- | HW12 | 13/A6.3 | 12/A6.3 | 11/A6.3 |
| 118A | 3'-0"x7'-0"x1-3/4" | 3 | WD ST | 1 | WD ST | INS | --- | --- | HW12 | 28/A6.3 | 27/A6.3 | 26/A6.3 |
| 119A | PR 3'-0"x7'-0"x1-3/4" | 3 | IHM P | 1 | IHM P | INS | --- | --- | HW13 | 9/A6.3 | 7/A6.3 | 6/A6.3 |

Abbreviations:

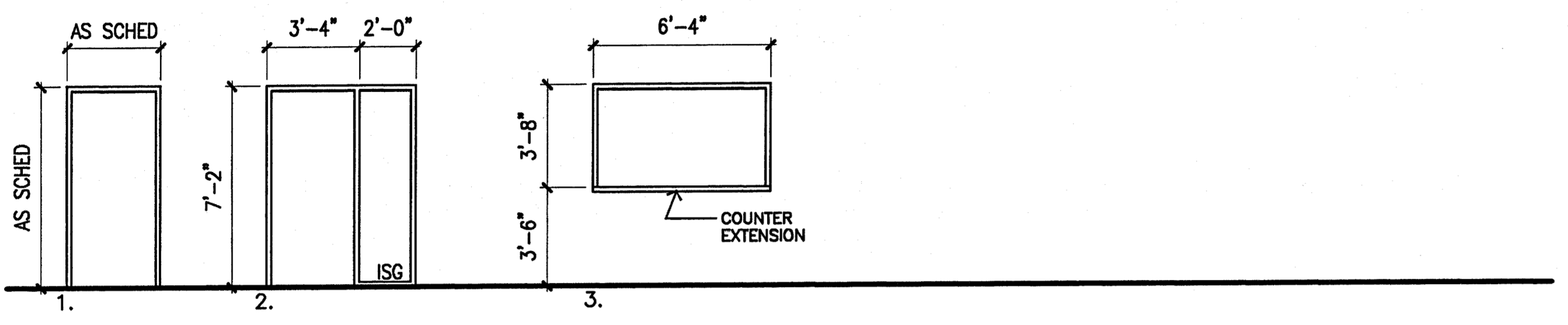
- AL ALLUMINIUM
- FF FACTORY FINISH
- G GLASS
- HM HOLLOW METAL
- IHM INSULATED HOLLOW METAL
- ISG INSULATED SAFETY GLASS
- P PAINT
- PR PAIR
- SG SAFETY GLASS
- ST STAIN

Sheet Notes:

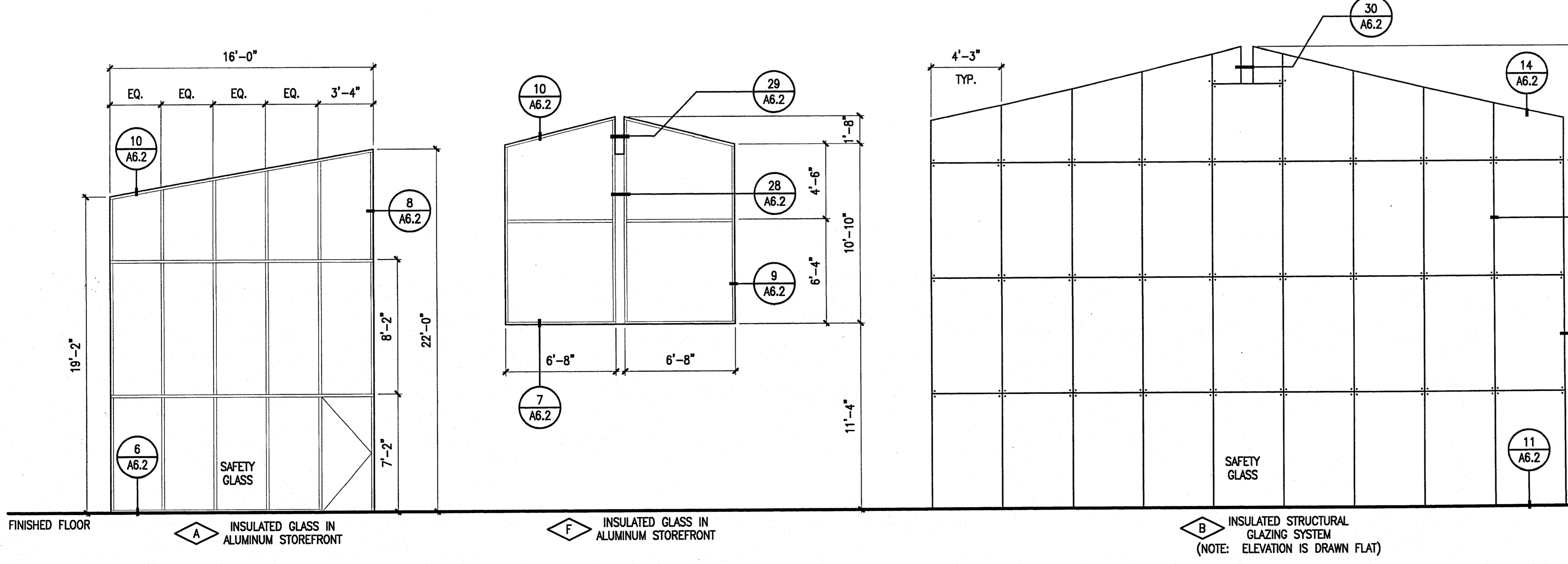
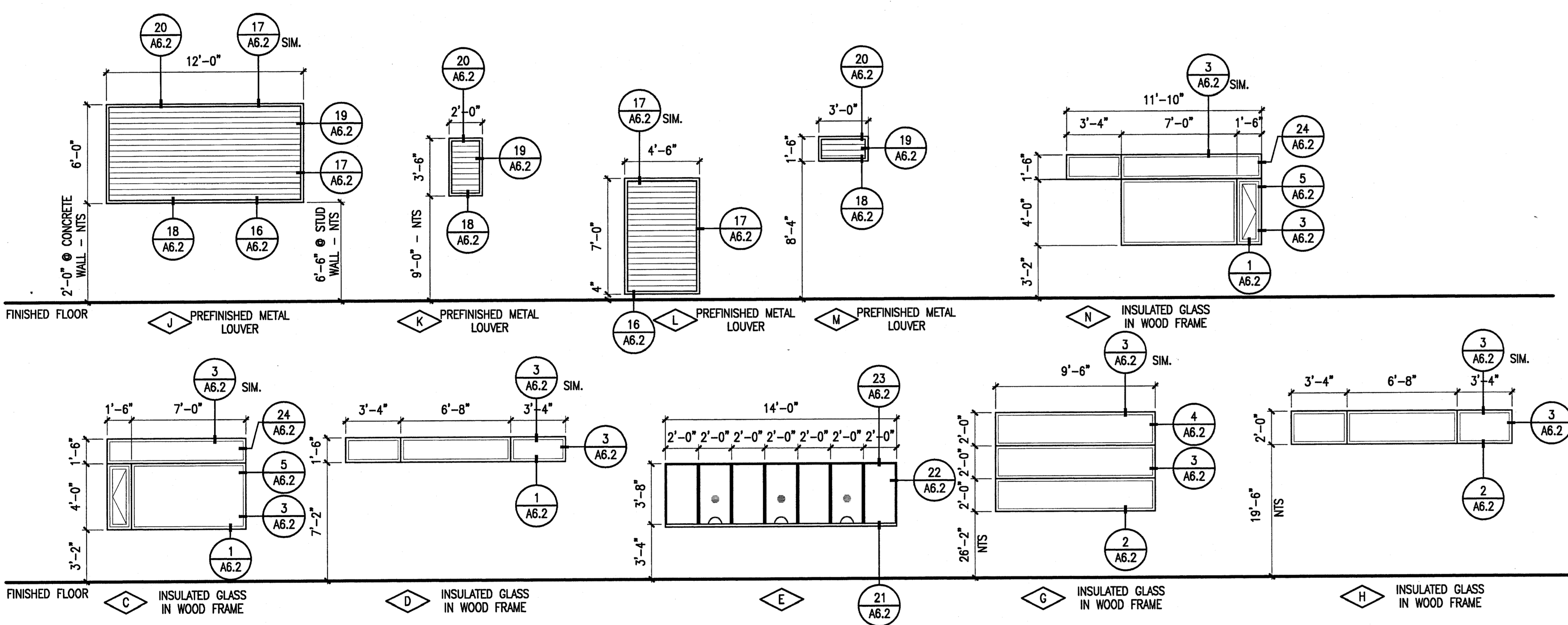
1. ALL DOORS, WINDOWS, AND LOUVERS ARE ORIENTED AS SEEN FROM THE EXTERIOR. PLEASE SEE EXTERIOR ELEVATIONS, SHEET A3.1, FOR ADDITIONAL WINDOW ORIENTATION INFORMATION.
2. ALL GLAZING WITHIN 18" OF THE FLOOR AND WITHIN A 24" ARC OF DOORS (INCLUDING GLAZING WITHIN DOORS THEMSELVES) TO BE SAFETY GLAZING. PLEASE SEE THIS SHEET AND EXTERIOR ELEVATIONS, SHEET A3.1, FOR EXACT LOCATIONS.



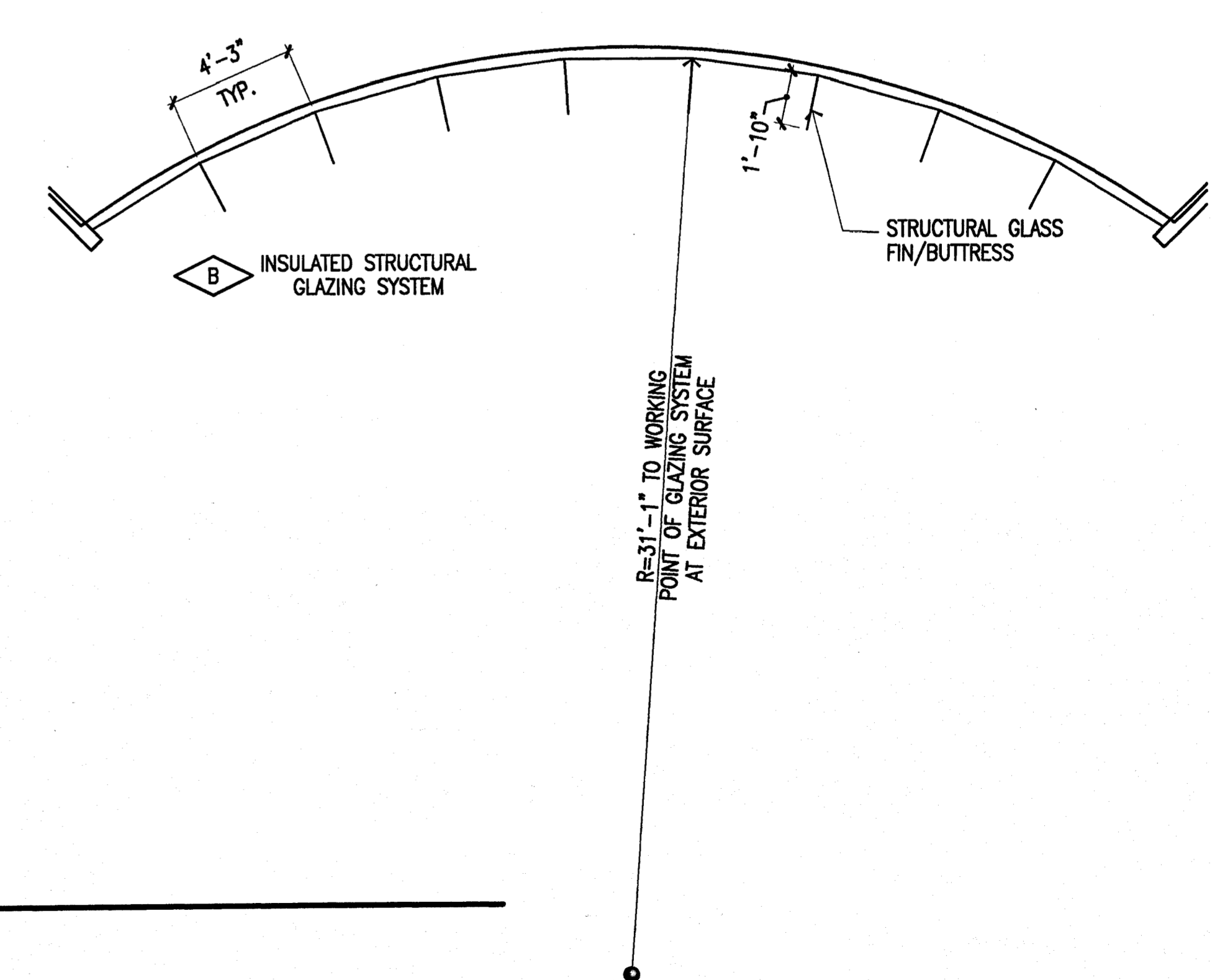
3 Door Types
SCALE: NTS



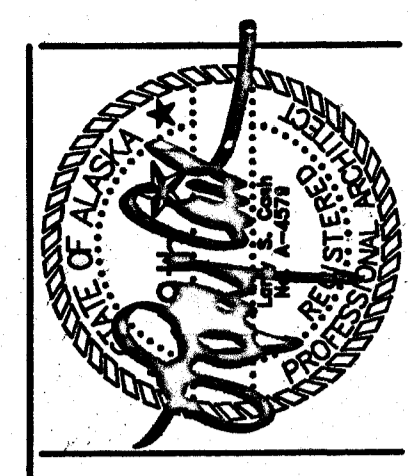
2 Frame Types
SCALE: NTS



1 Window and Louver Types
SCALE: NTS



SOURCE: ARCHITECTURAL RECORD, AUGUST 1997, P. 110. © 1997, BY THE ARCHITECTS.



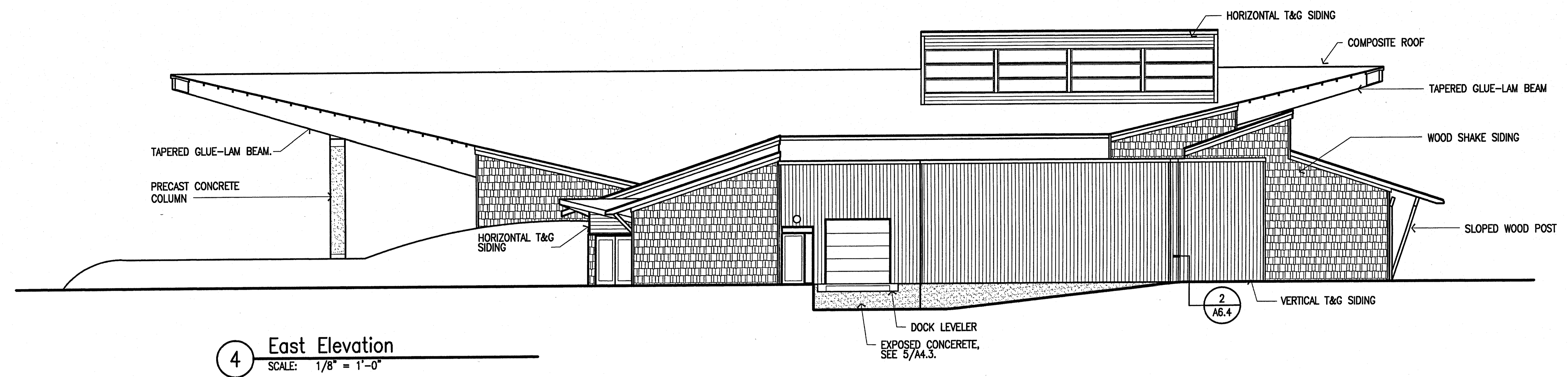
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 EXTERIOR ELEVATIONS

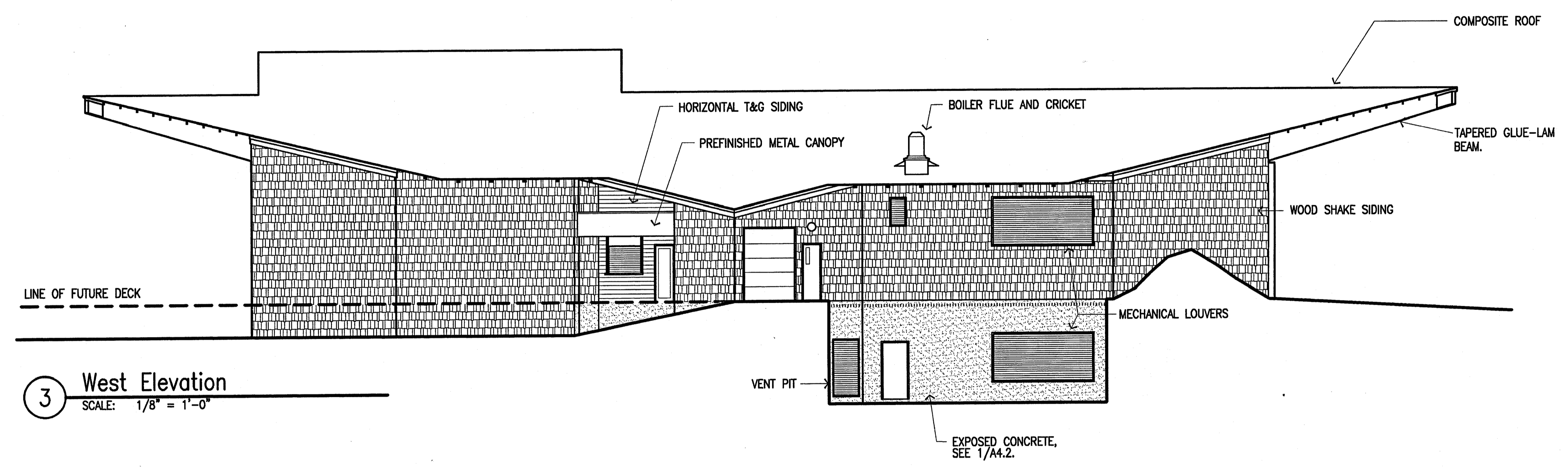
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 Job No. 95023
 Sheet No.
A3.1
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Sheet Notes:

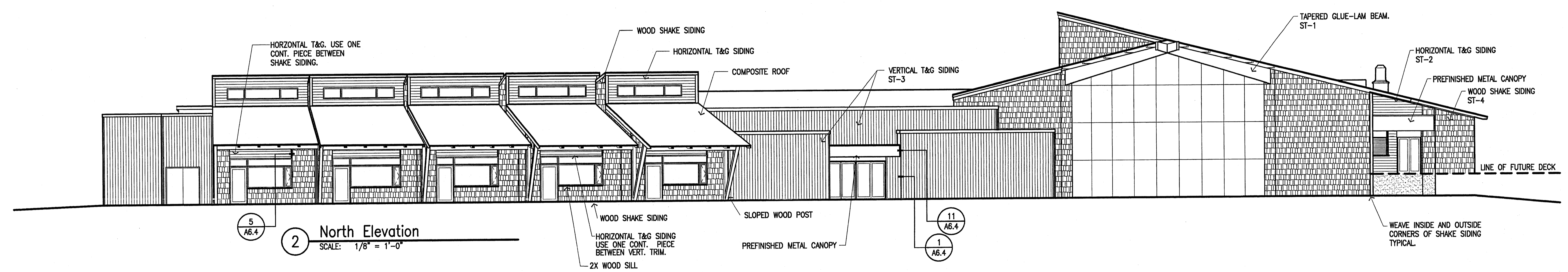
- SEE FLOOR PLANS AND OPENING SCHEDULE FOR INFORMATION ON EXTERIOR OPENINGS.
- COLOR LEGEND:**
 ST-1 EXPOSED GLUE LAM BEAMS
 EXPOSED WOOD STRUCTURE, TYP.
 ST-2 HORIZONTAL T&G
 T&G SOFFITS
 PLYWOOD SOFFITS
 WOOD TRIM
 ST-3 VERTICAL T&G
 ST-4 WOOD SHAKE SIDING



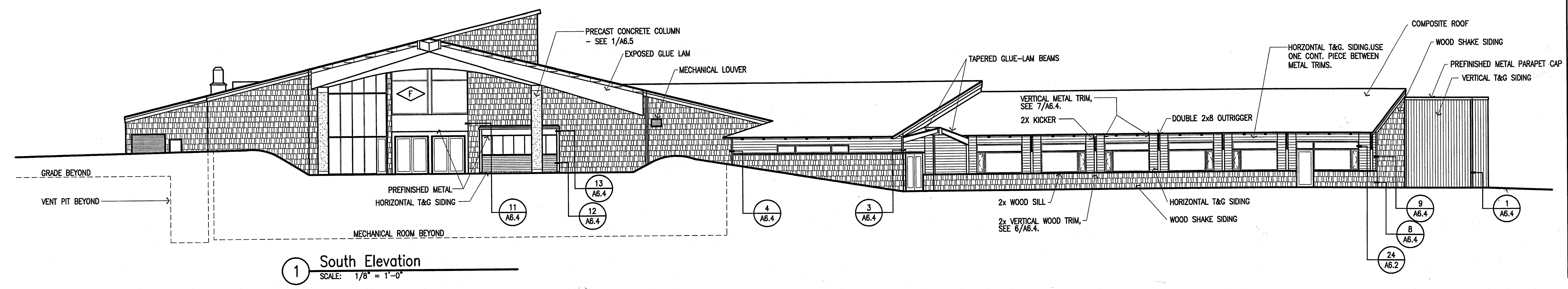
4 East Elevation
 SCALE: 1/8" = 1'-0"



3 West Elevation
 SCALE: 1/8" = 1'-0"

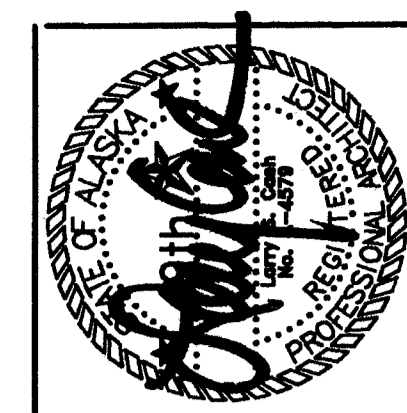


2 North Elevation
 SCALE: 1/8" = 1'-0"



1 South Elevation
 SCALE: 1/8" = 1'-0"

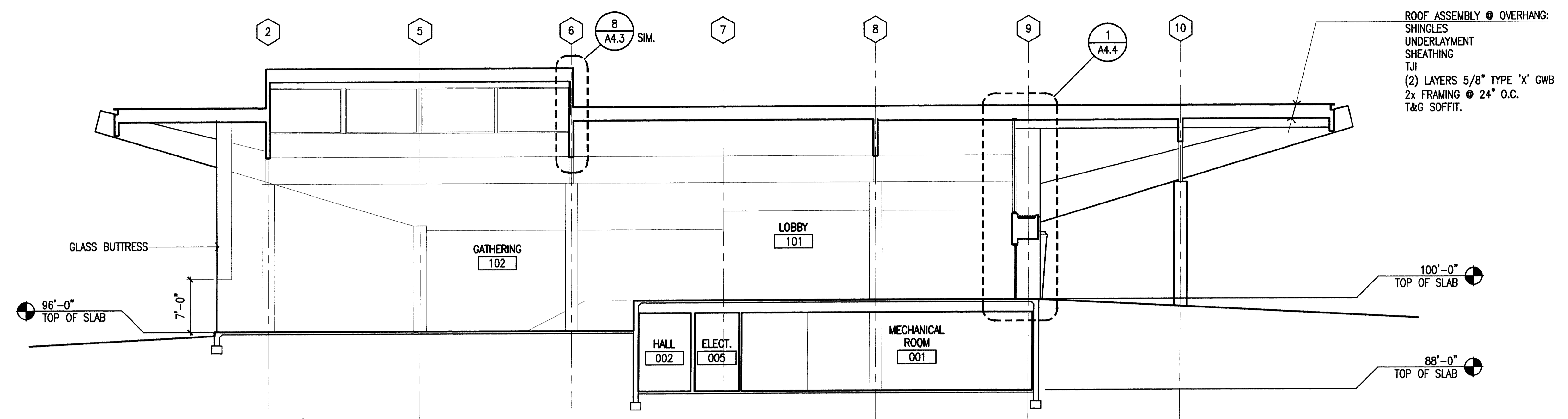
1998023 phase2/figs/AM3.1 - 1.dwg Thu Apr 16 16:24:30 1998



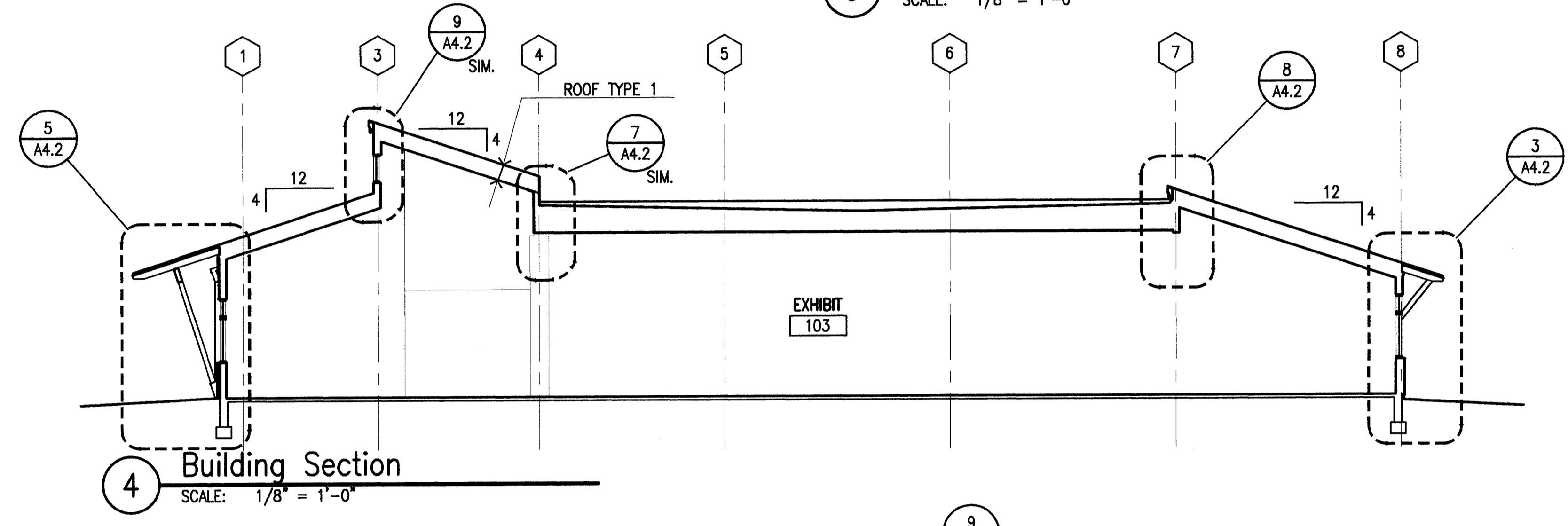
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 BUILDING SECTIONS

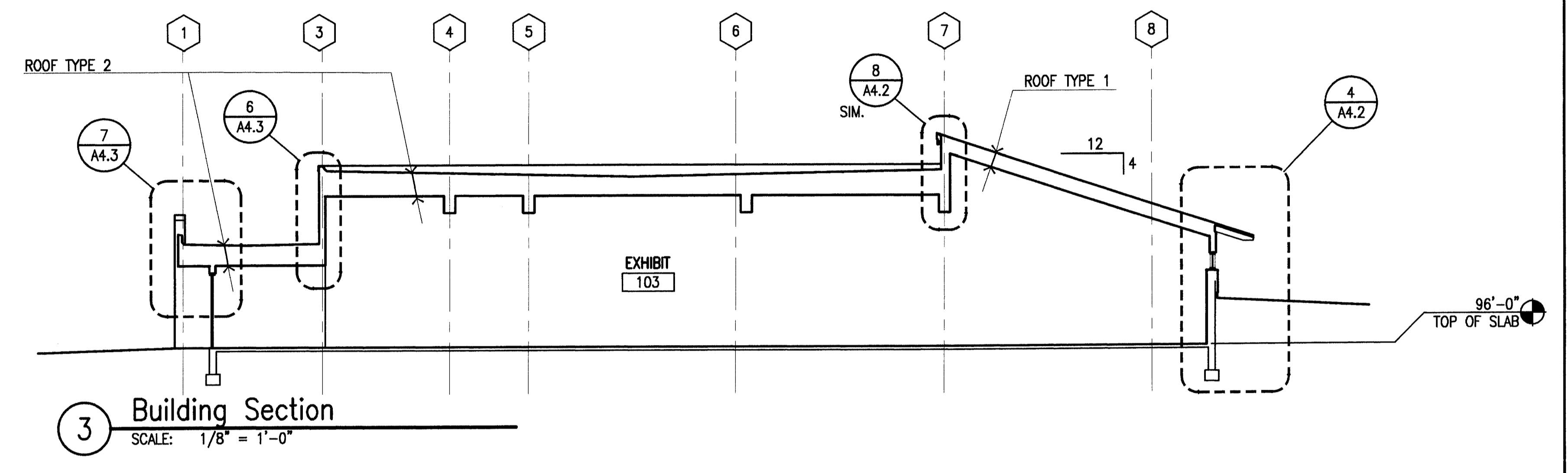
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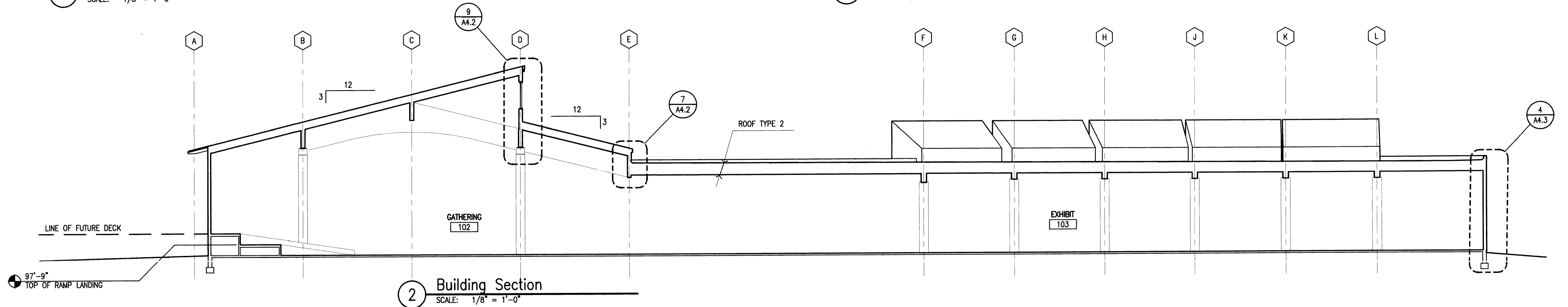
5 Building Section
 SCALE: 1/8" = 1'-0"



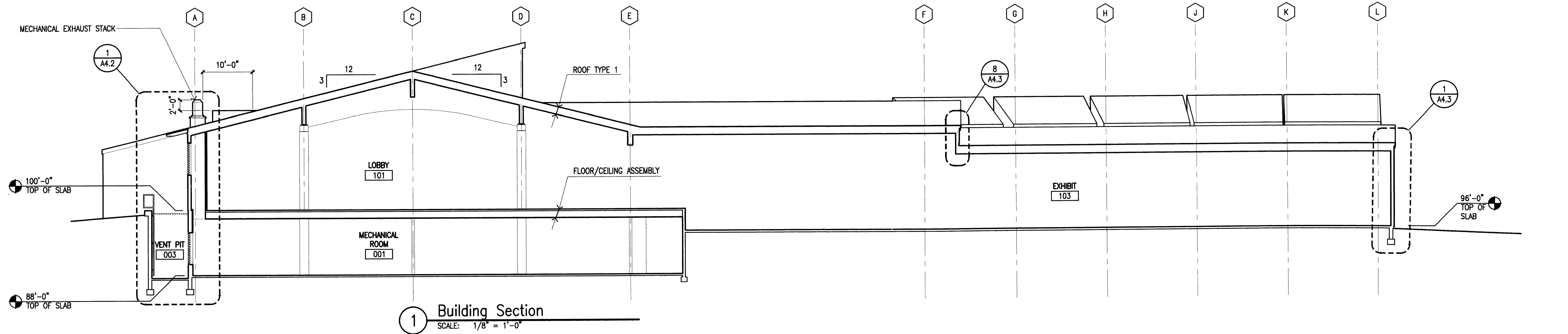
4 Building Section
 SCALE: 1/8" = 1'-0"



3 Building Section
 SCALE: 1/8" = 1'-0"

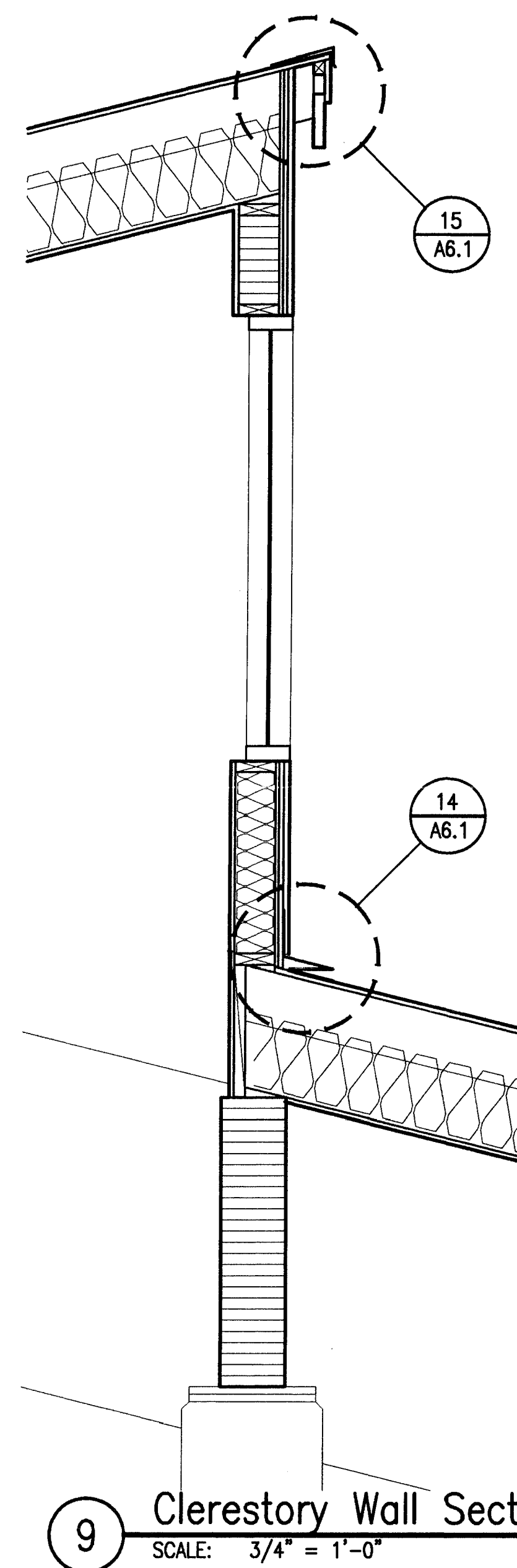


2 Building Section
 SCALE: 1/8" = 1'-0"

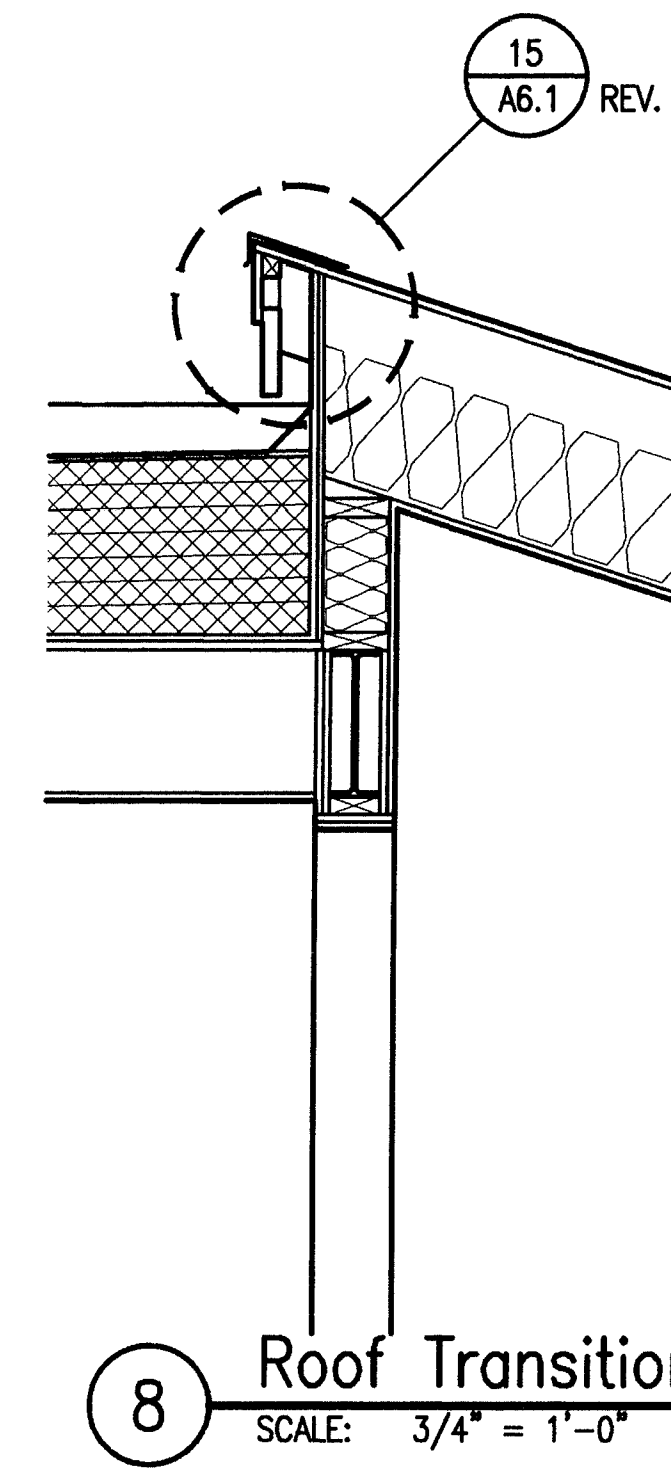


1 Building Section
 SCALE: 1/8" = 1'-0"

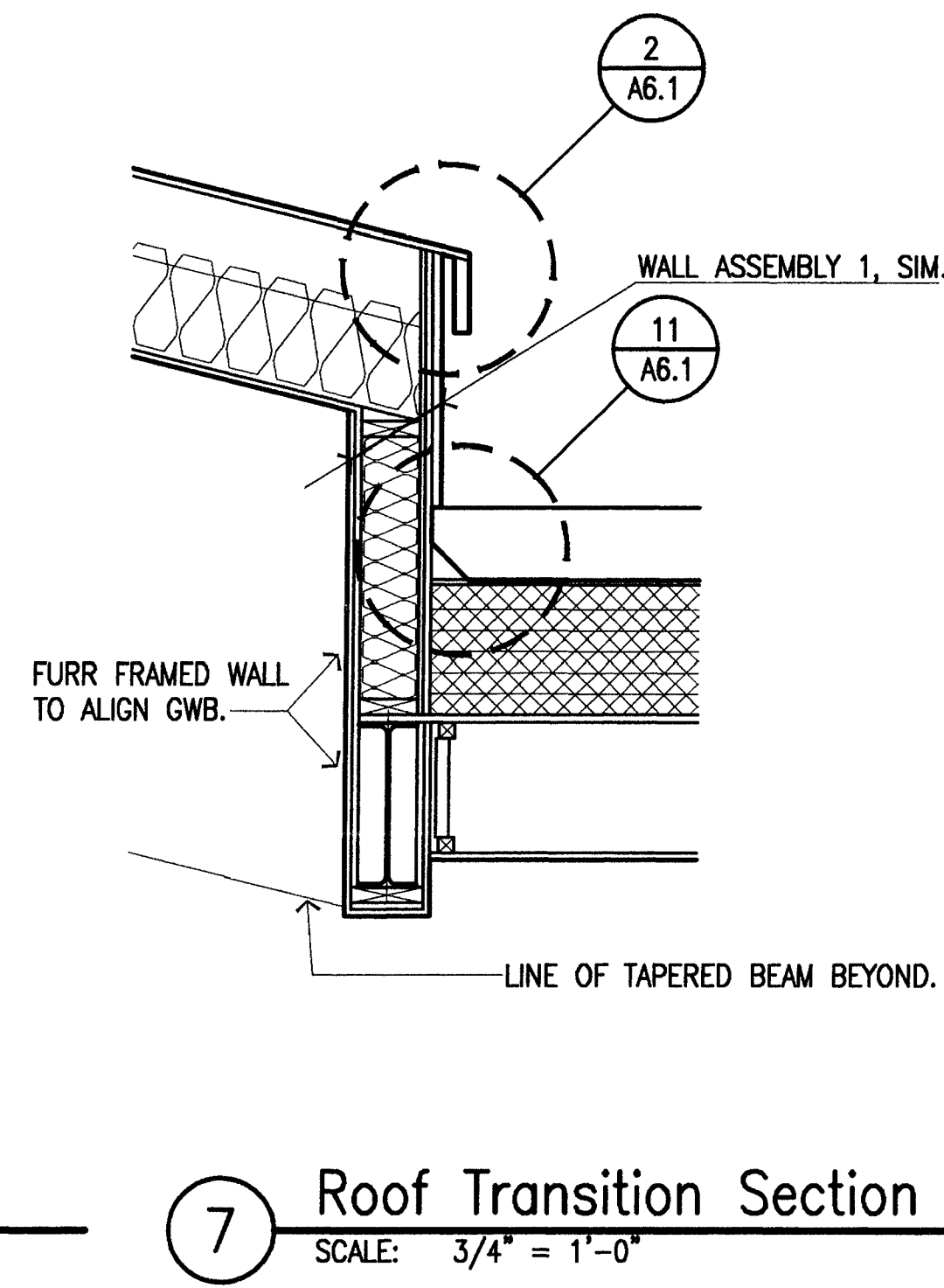
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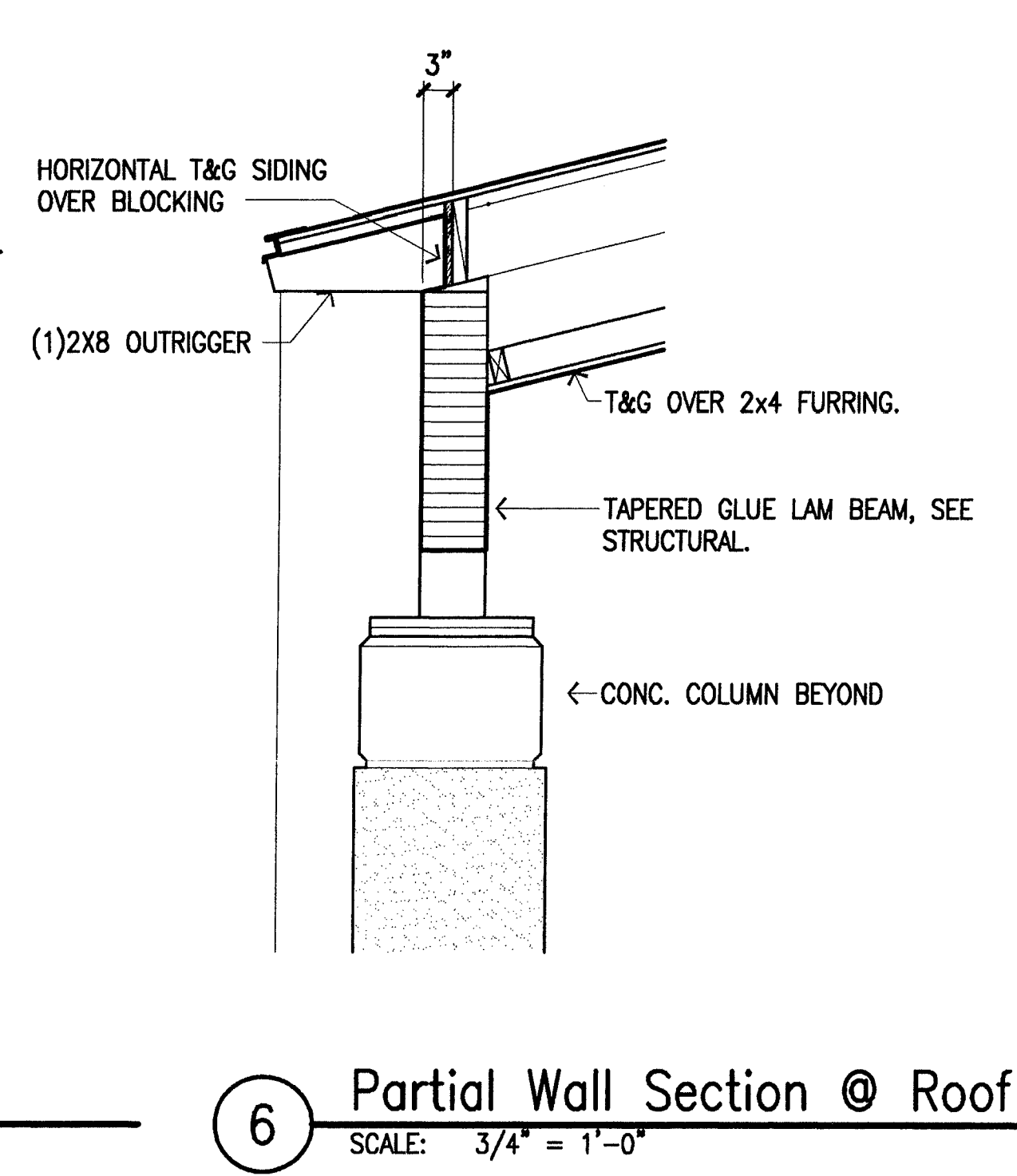
9 Clerestory Wall Section
SCALE: 3/4" = 1'-0"



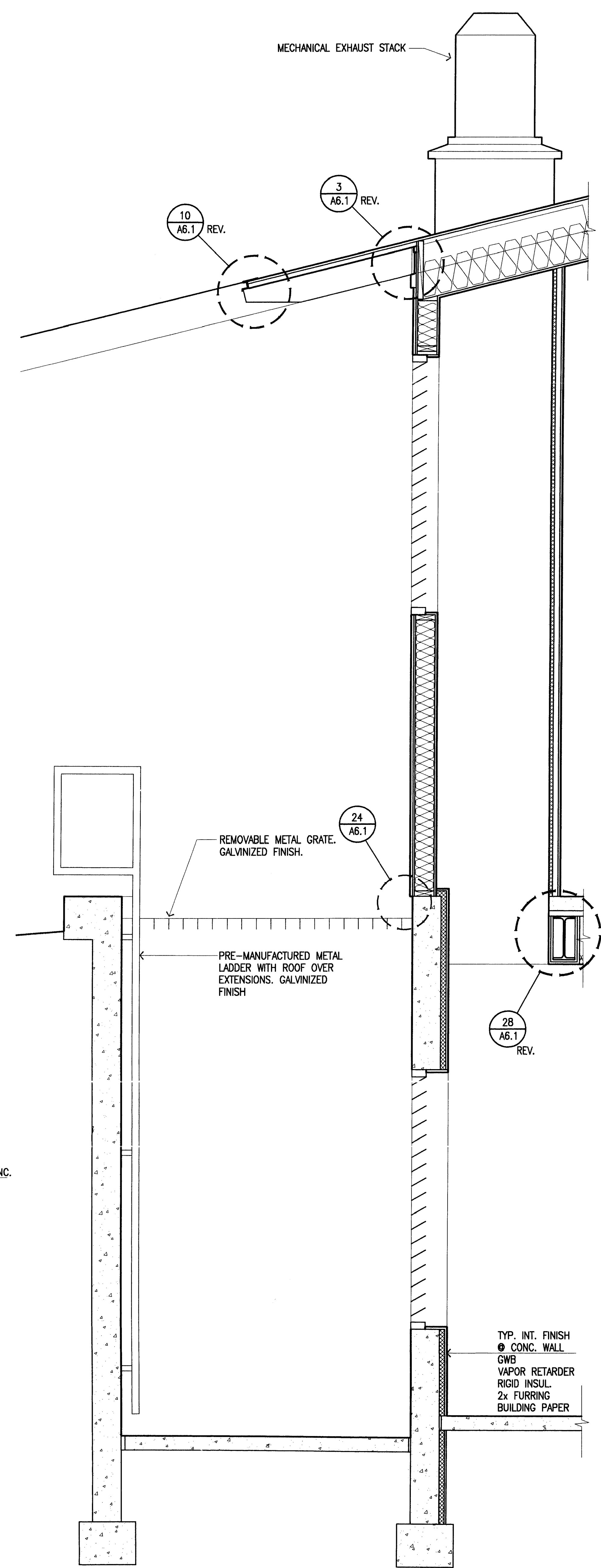
8 Roof Transition Section
SCALE: 3/4" = 1'-0"



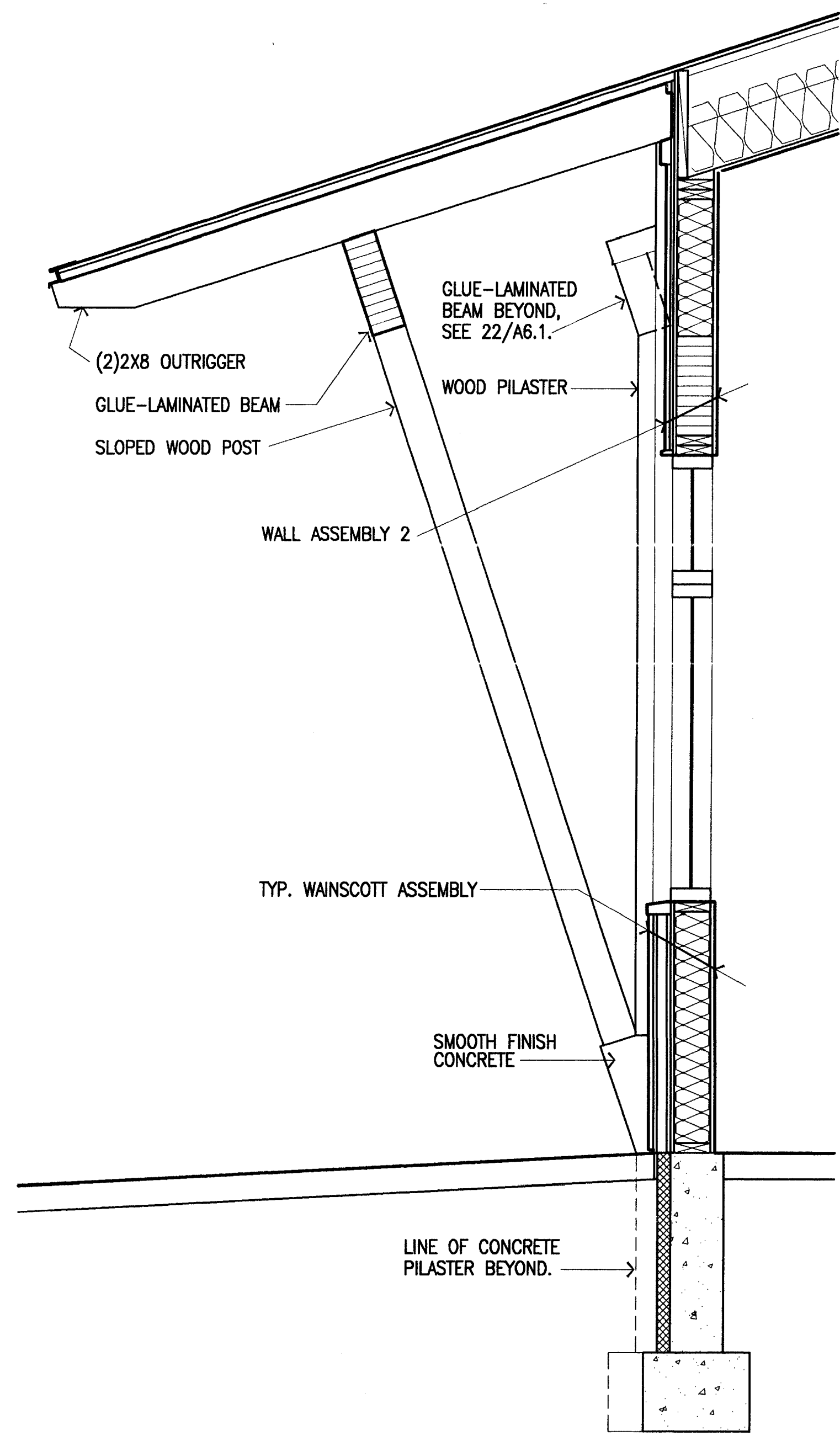
7 Roof Transition Section
SCALE: 3/4" = 1'-0"



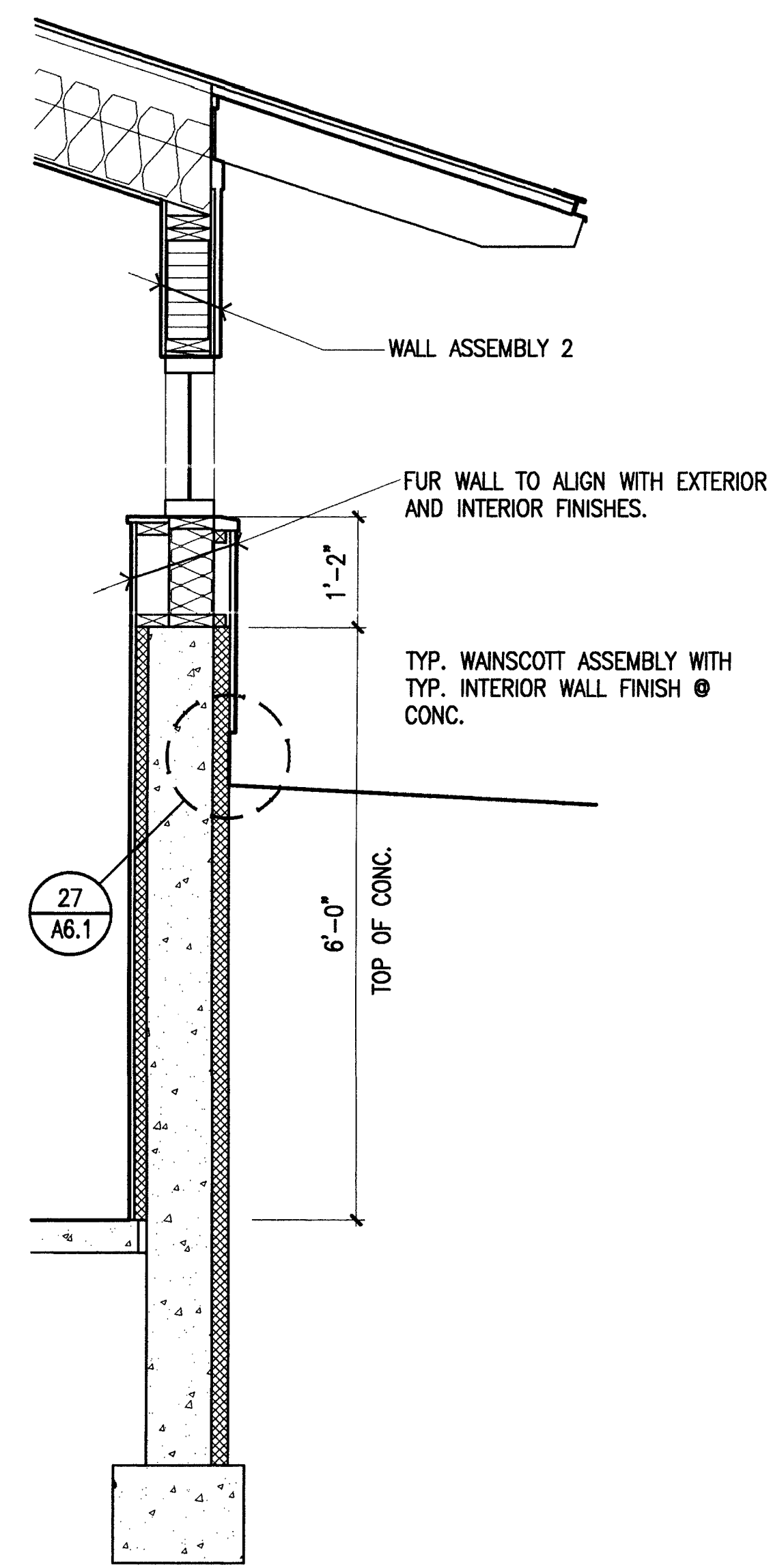
6 Partial Wall Section @ Roof
SCALE: 3/4" = 1'-0"



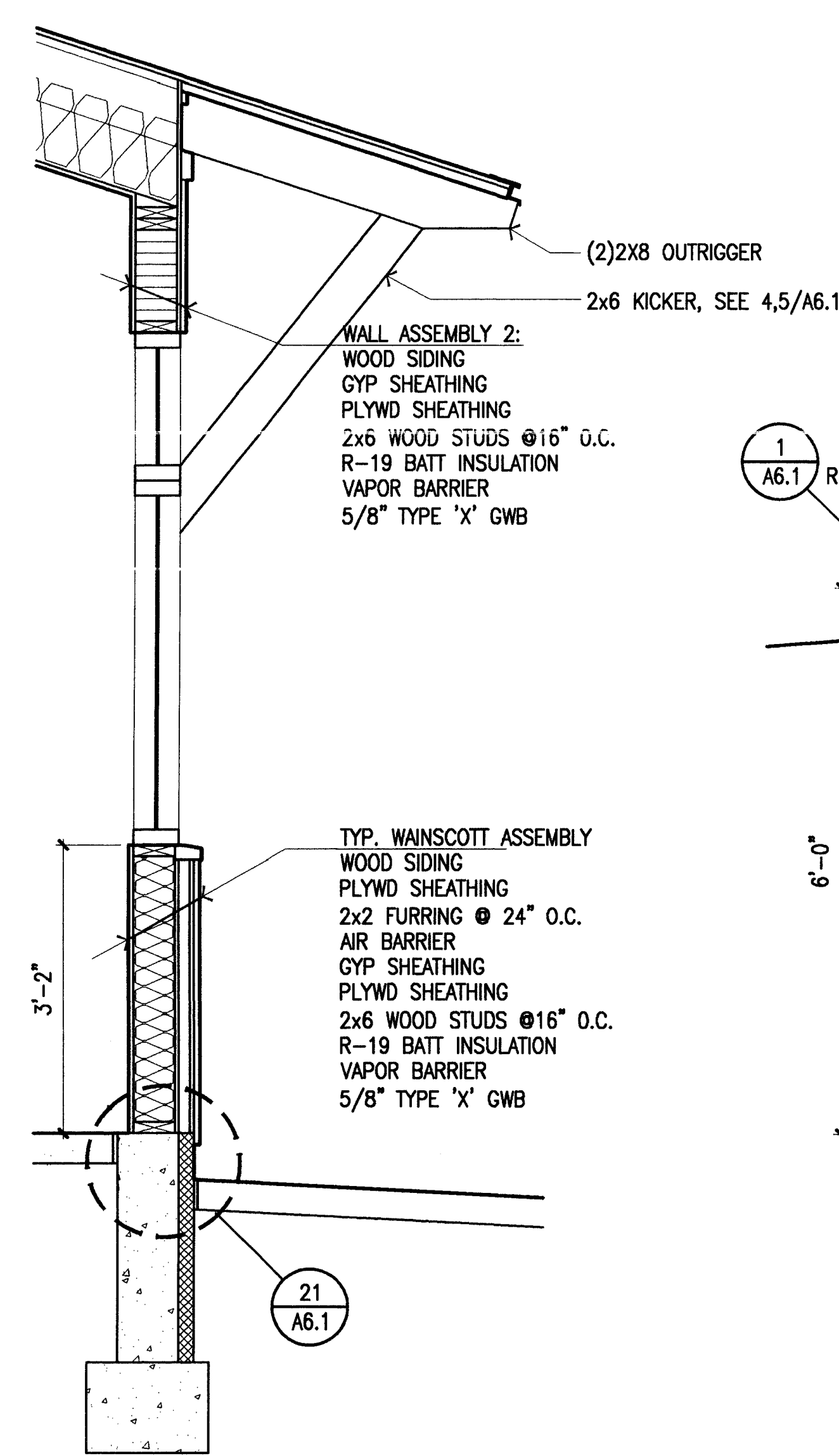
1 Exterior Wall Section
SCALE: 3/4" = 1'-0"



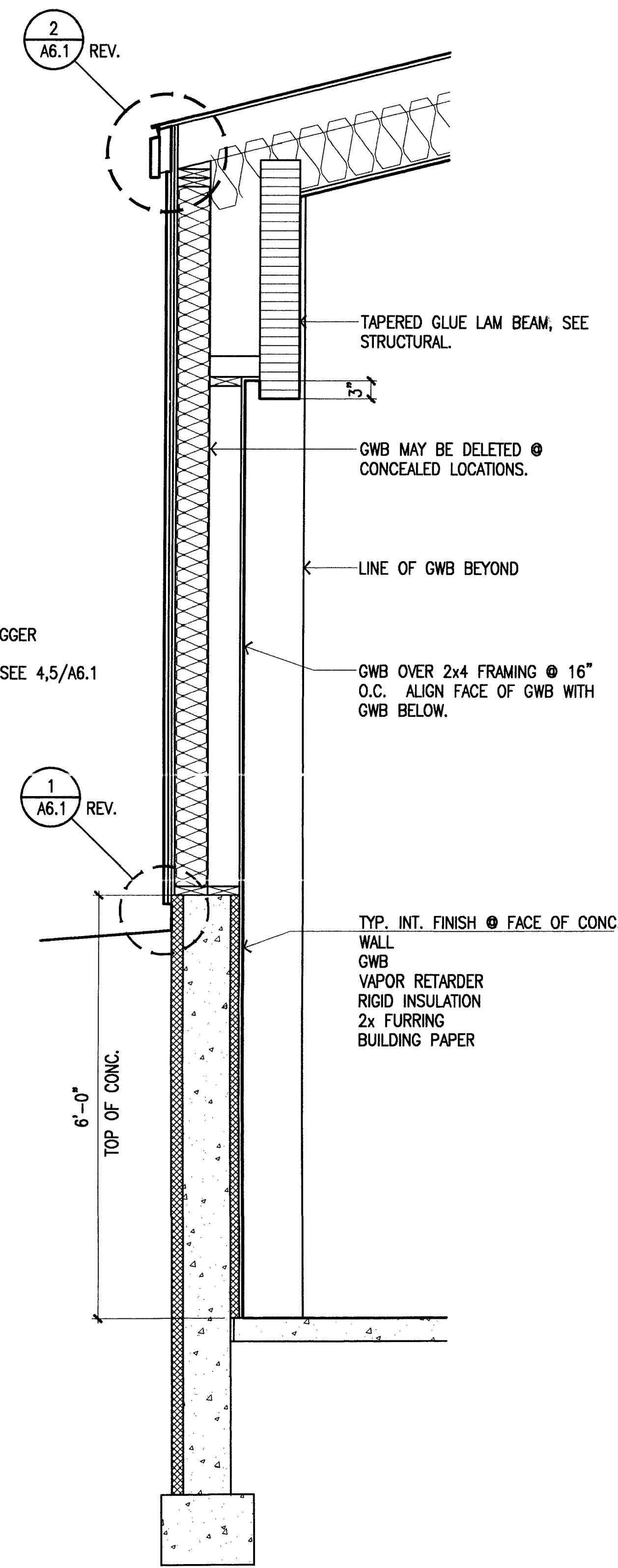
5 Exterior Wall Section
SCALE: 3/4" = 1'-0"



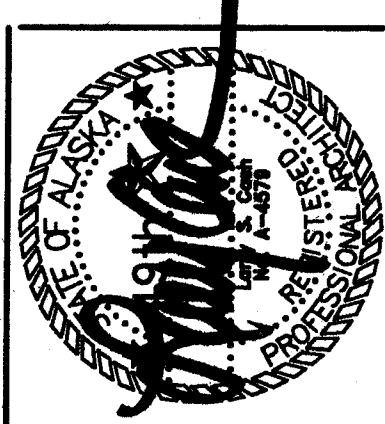
4 Exterior Wall Section
SCALE: 3/4" = 1'-0"



3 Exterior Wall Section
SCALE: 3/4" = 1'-0"



2 Exterior Wall Section
SCALE: 3/4" = 1'-0"



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WALL SECTIONS

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Checked RRR
Job No. 95023
Sheet No.
A4.2
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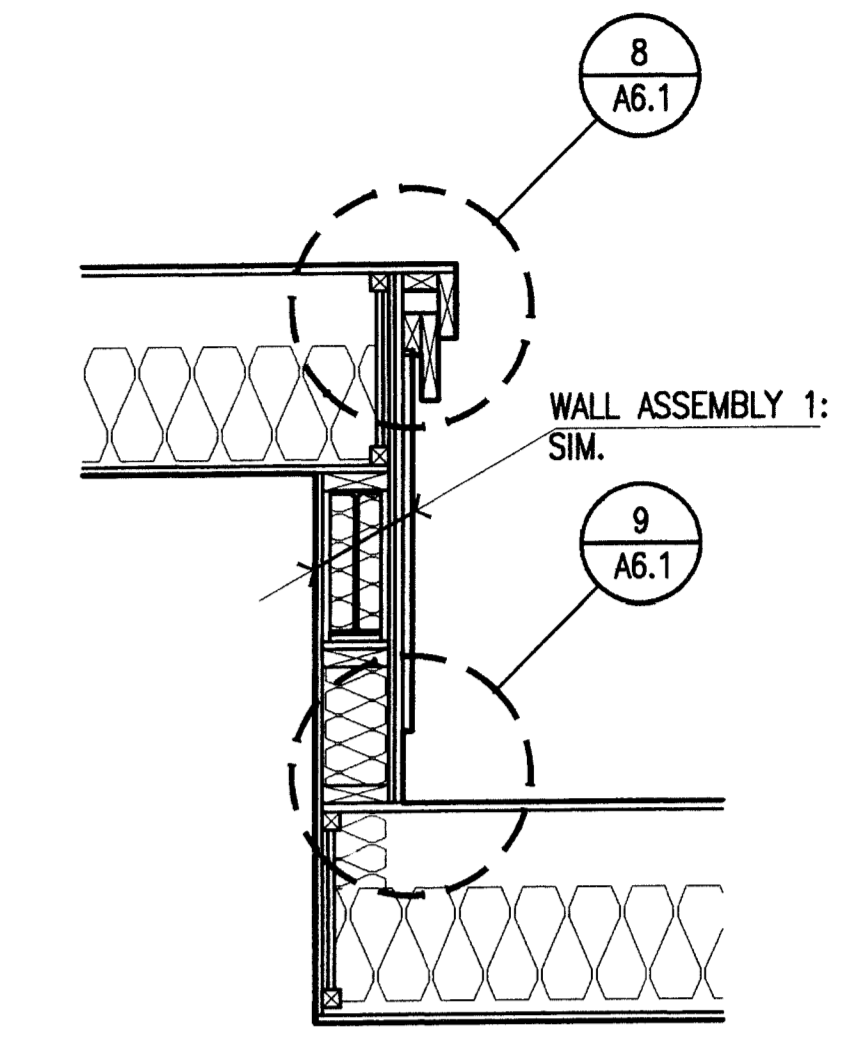
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 WALL SECTIONS

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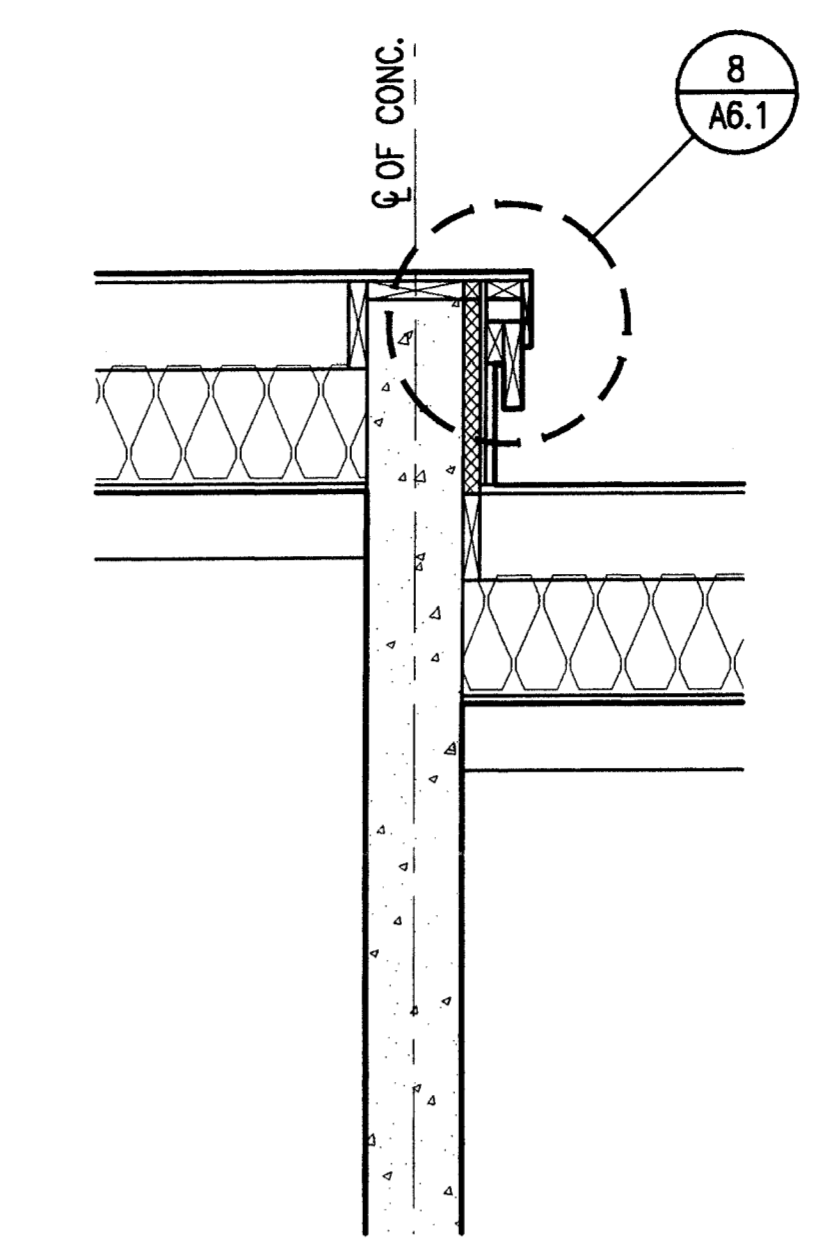
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Date 04/17/98
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 Checked RRR
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 Sheet No.

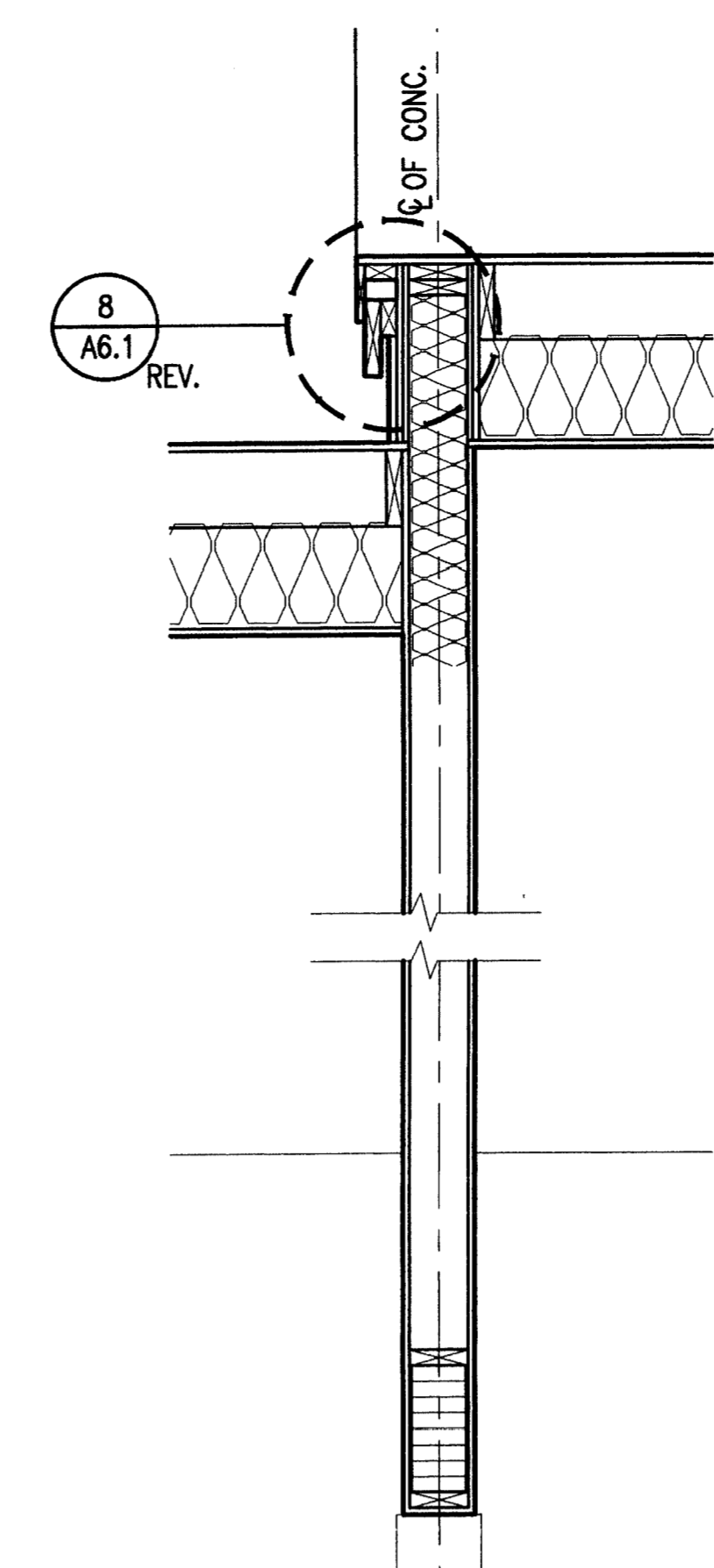
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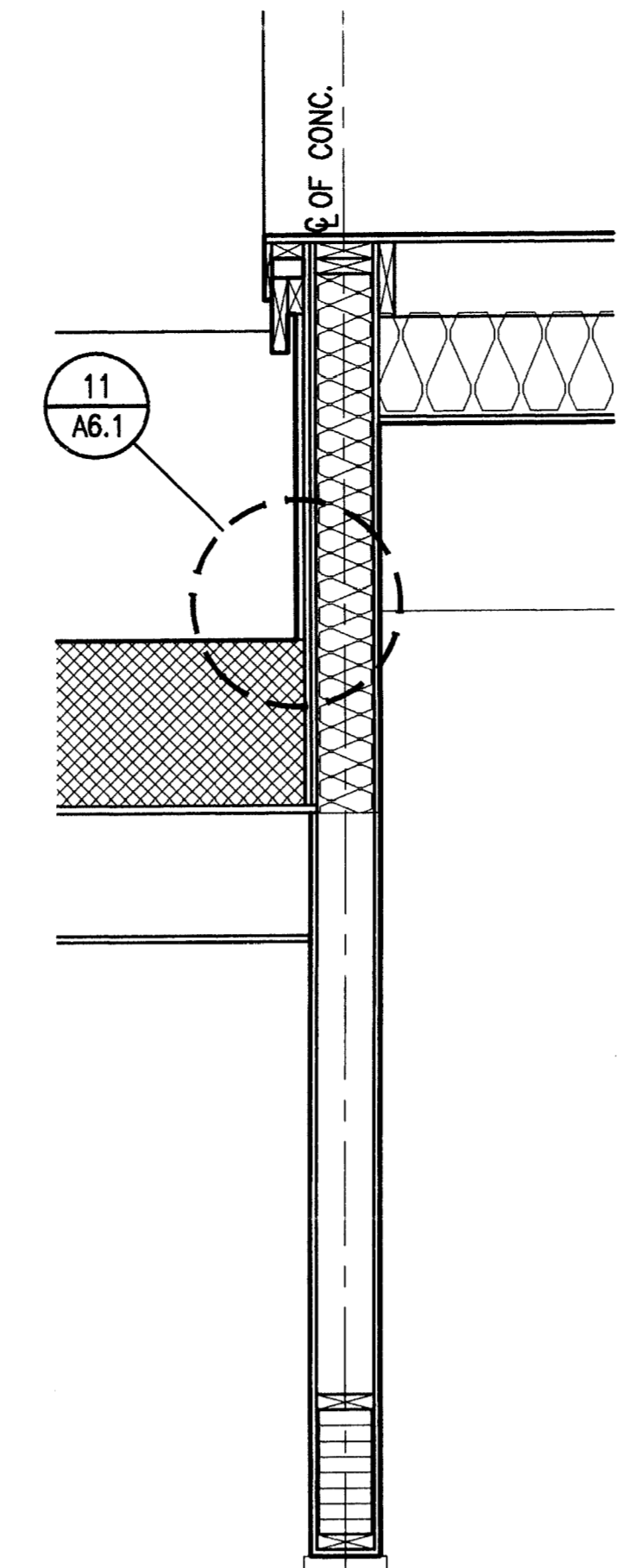
8 Roof Transition Section
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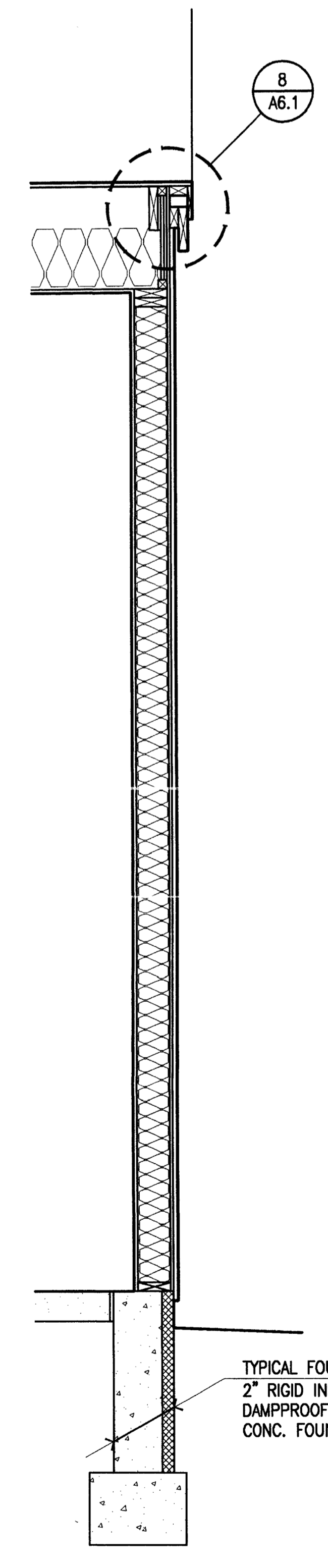
9 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



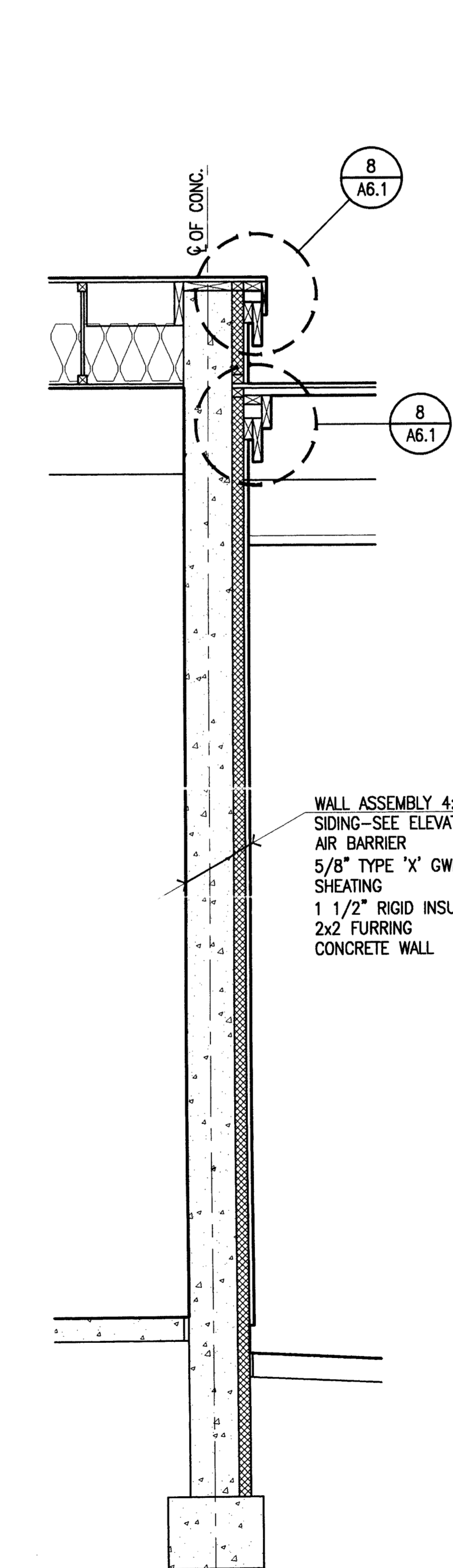
10 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



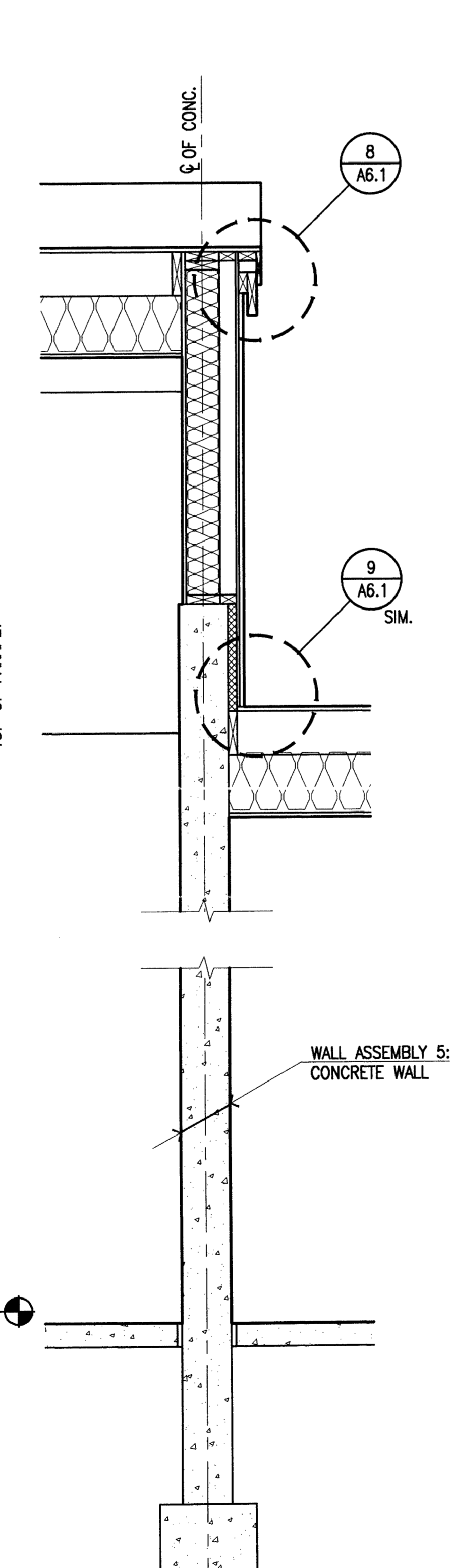
11 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



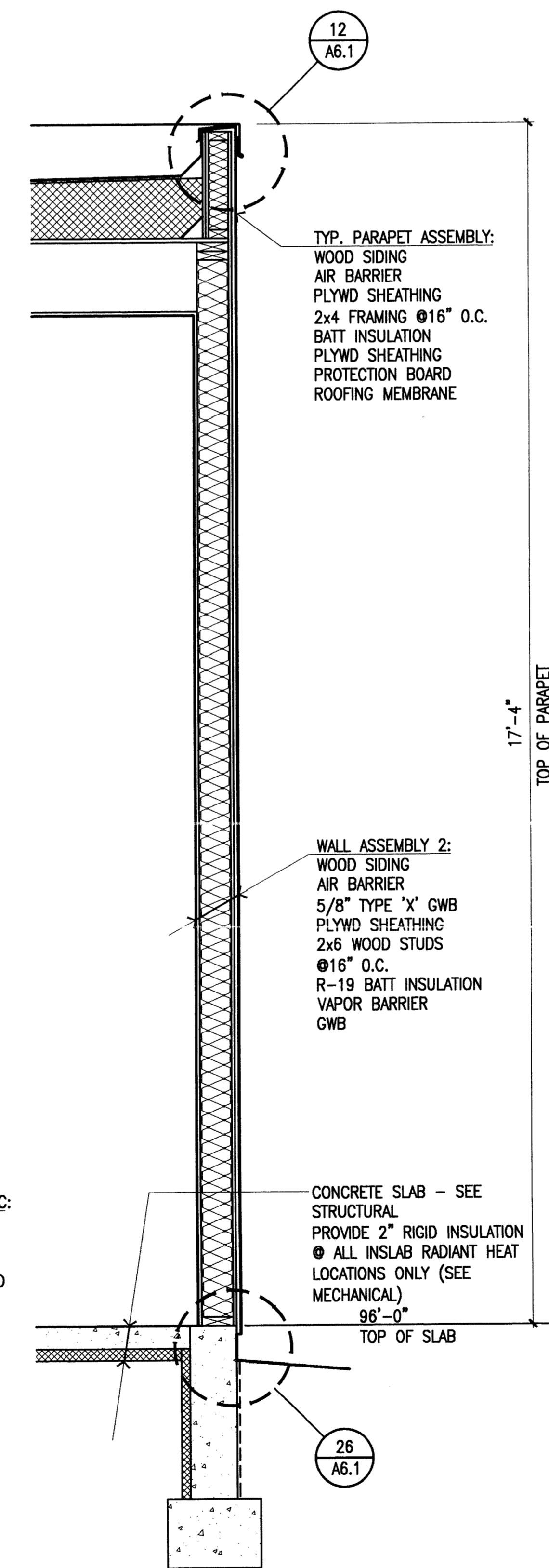
1 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



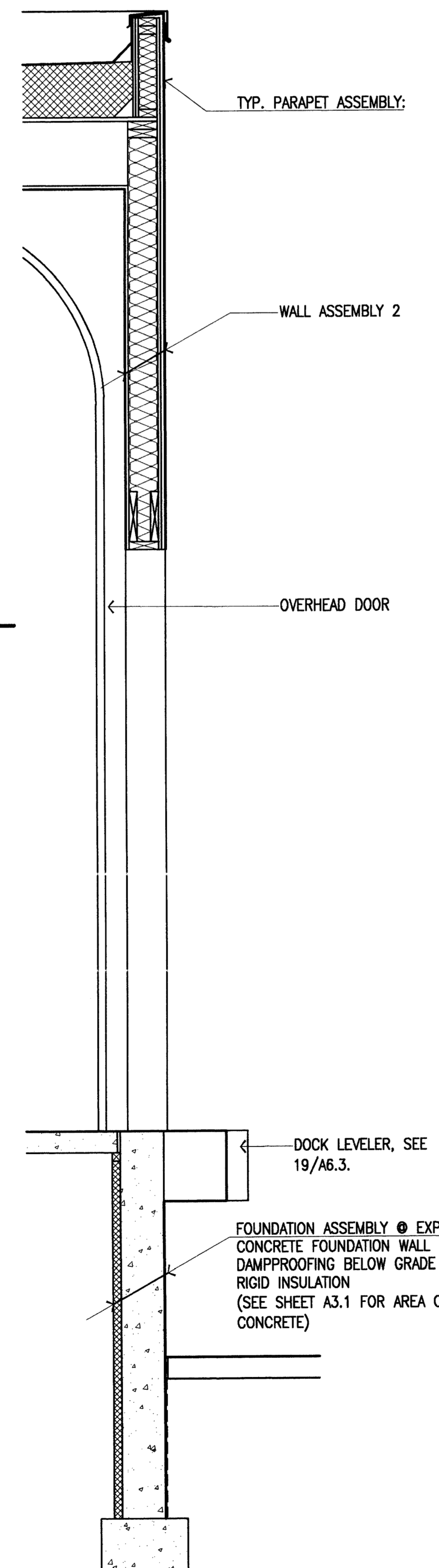
2 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



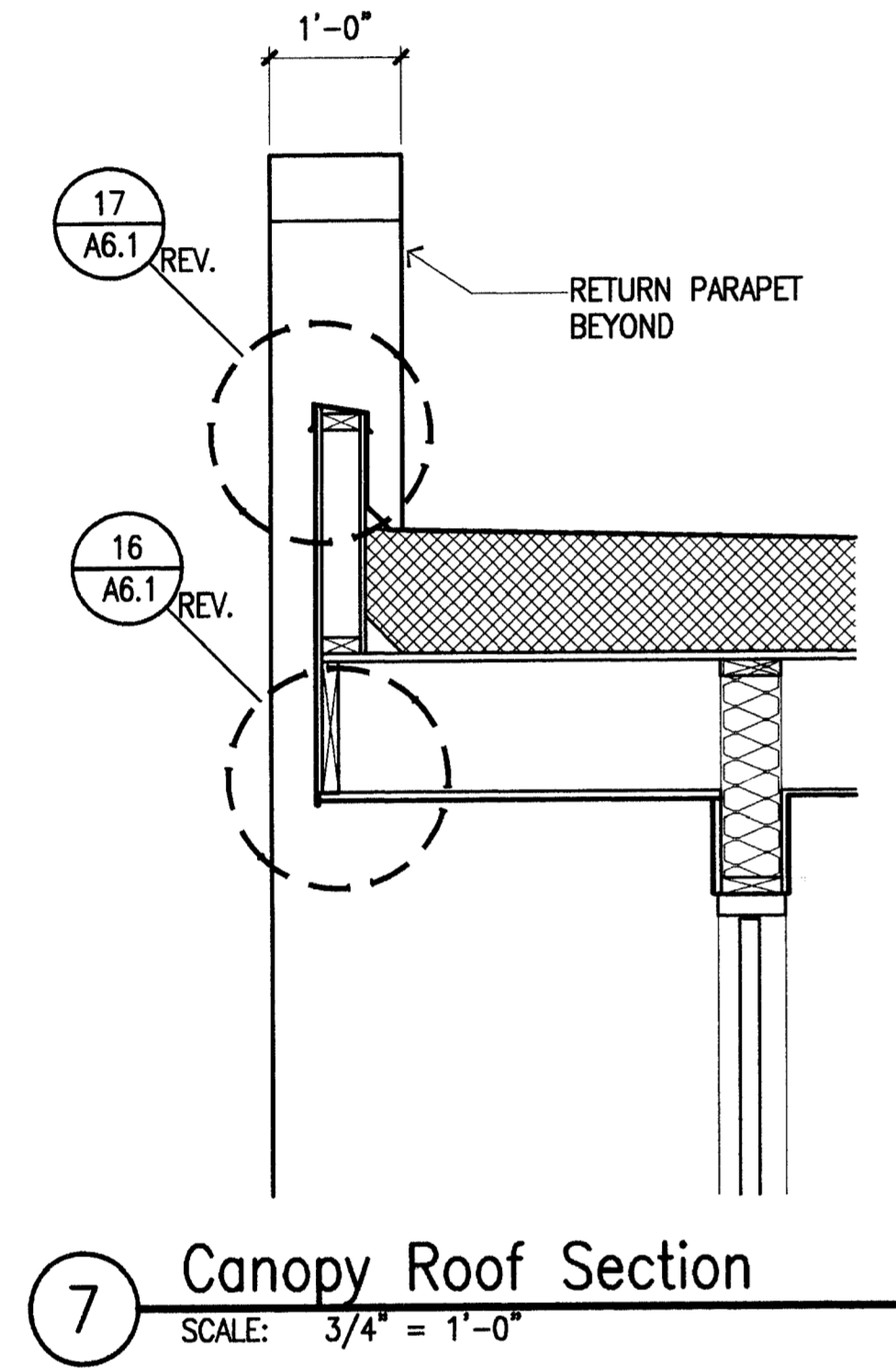
3 Workshop Transition Section
 SCALE: 3/4" = 1'-0"



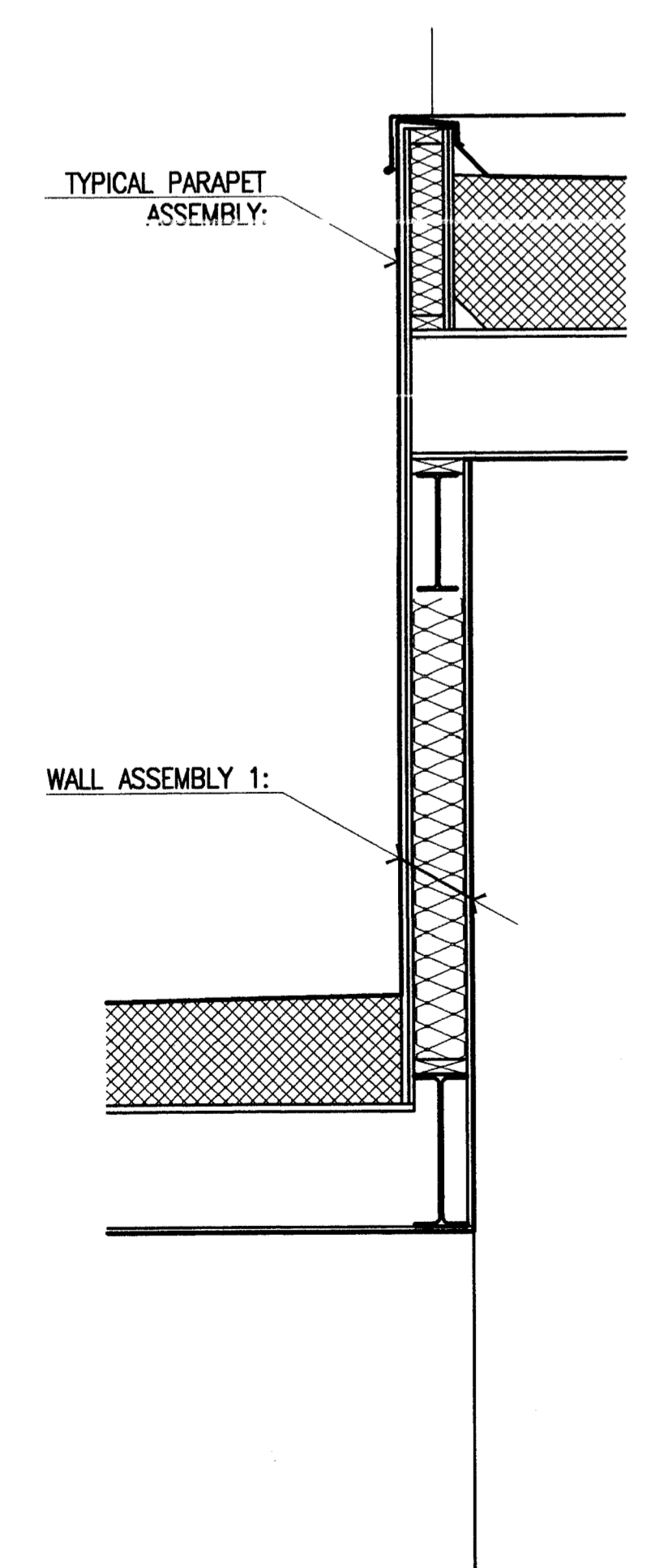
4 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



5 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



7 Canopy Roof Section
 SCALE: 3/4" = 1'-0"



6 Roof Transition Section
 SCALE: 3/4" = 1'-0"

A4.3.dwg, 15:18:30, 1998



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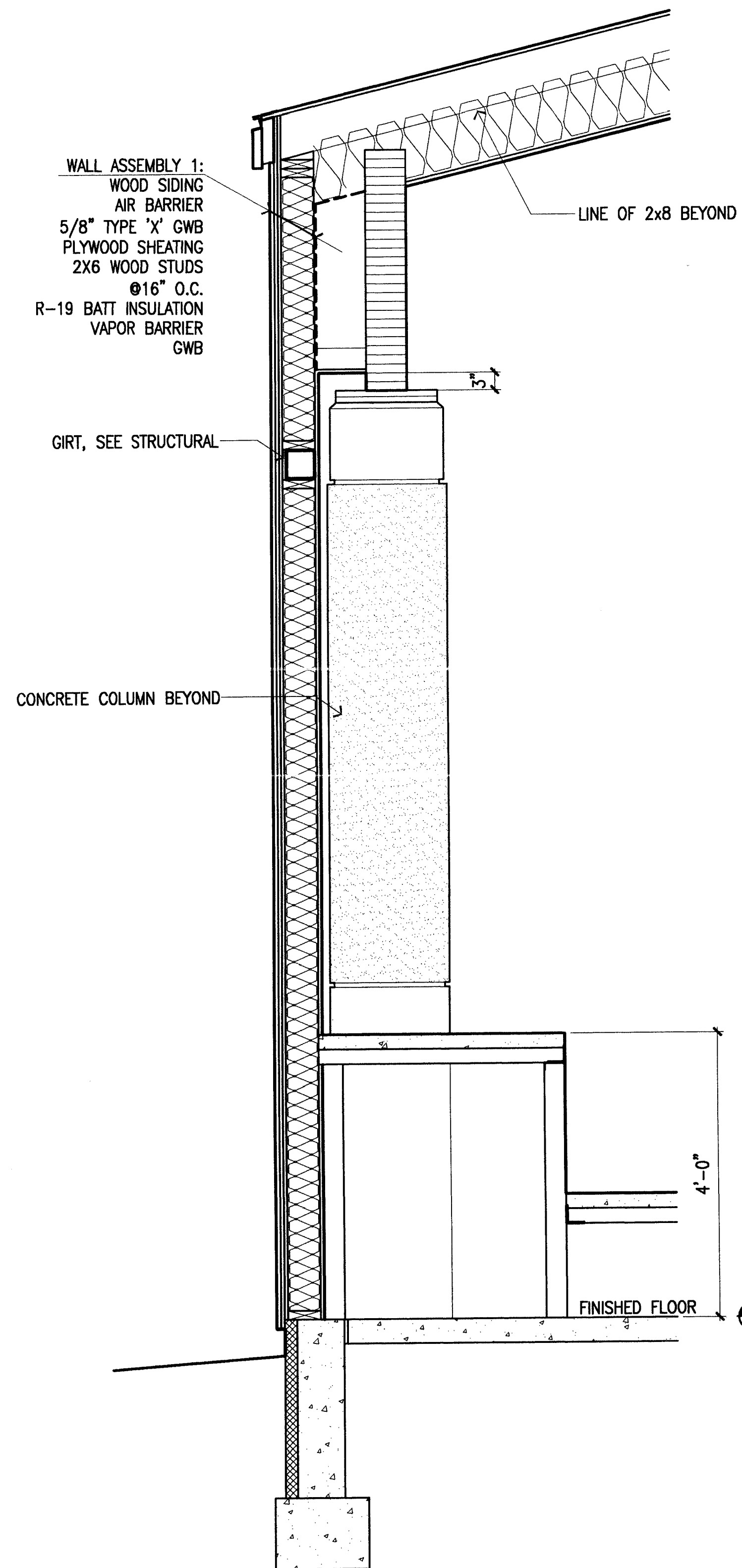
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 WALL SECTIONS

Revisions

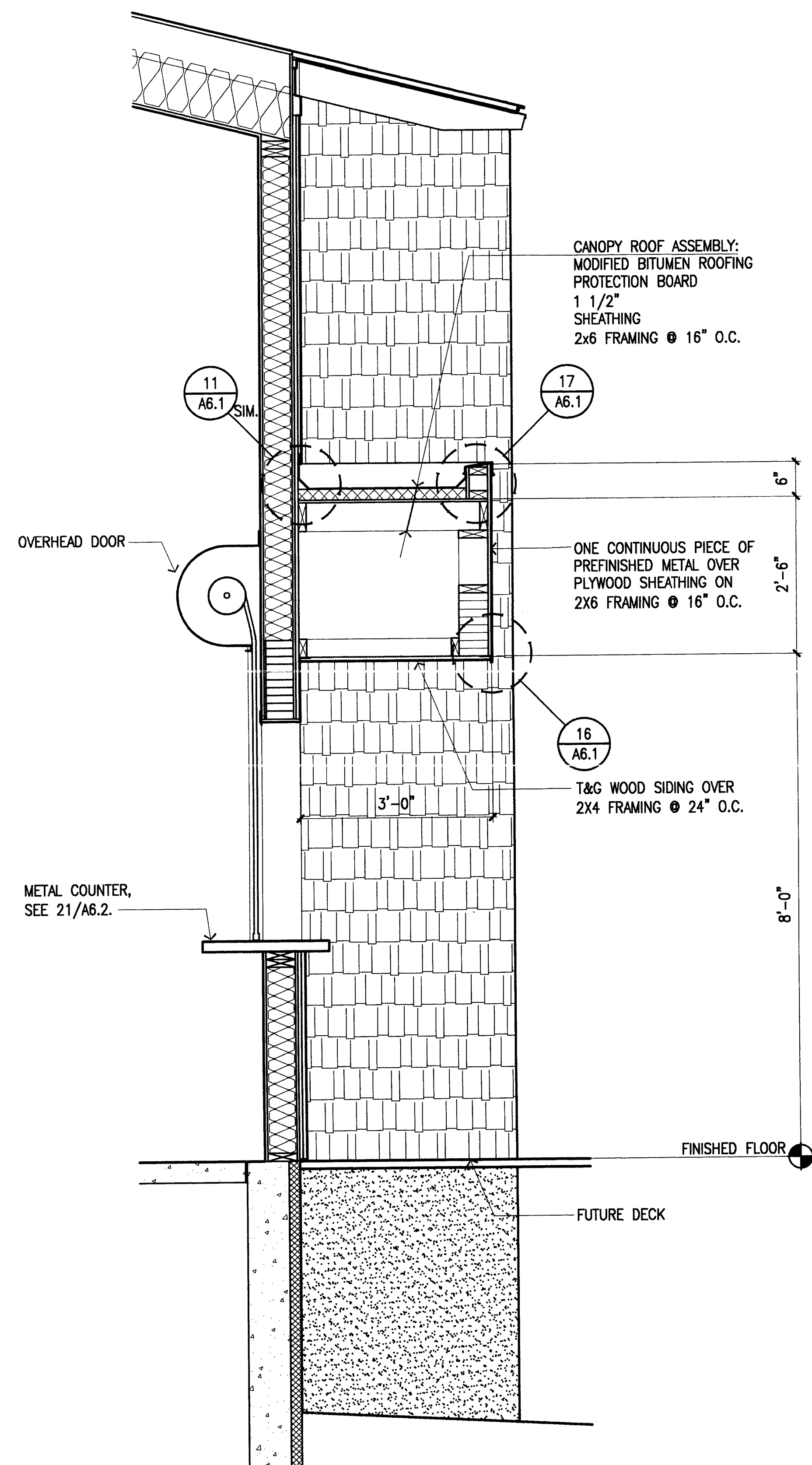
CONFORMED DRAWINGS

Date 04/17/98
 Drawn FWP, PMD
 Checked RRR
 Job No. 95023
 Sheet No.

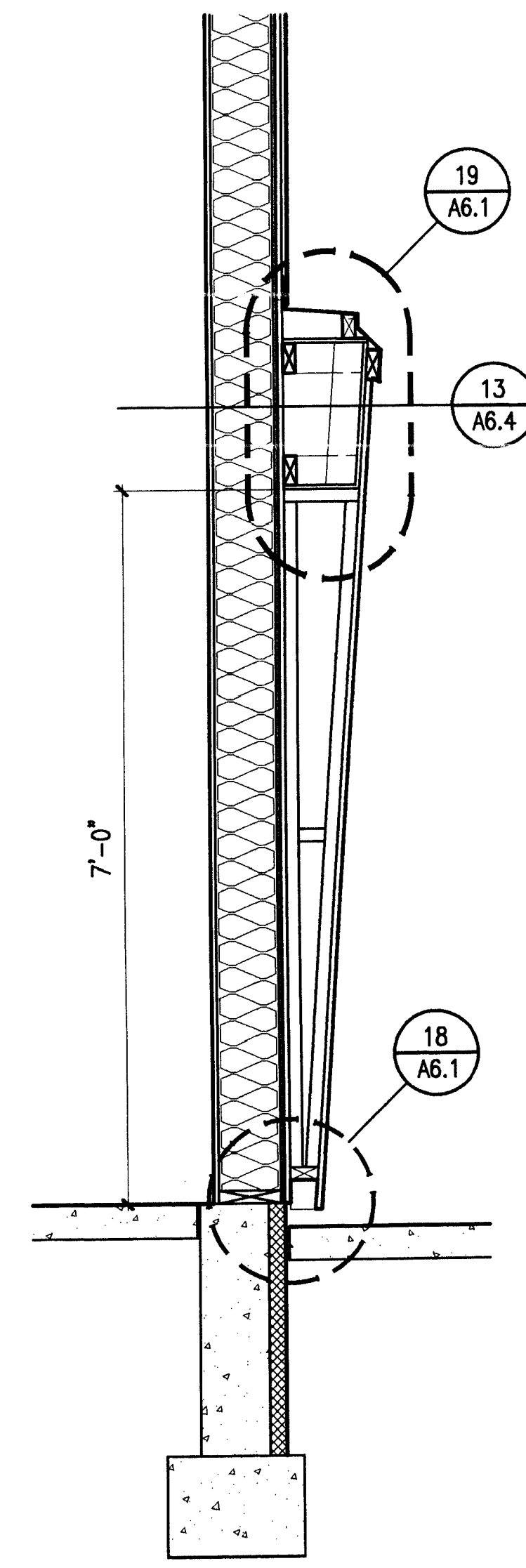
A4.4
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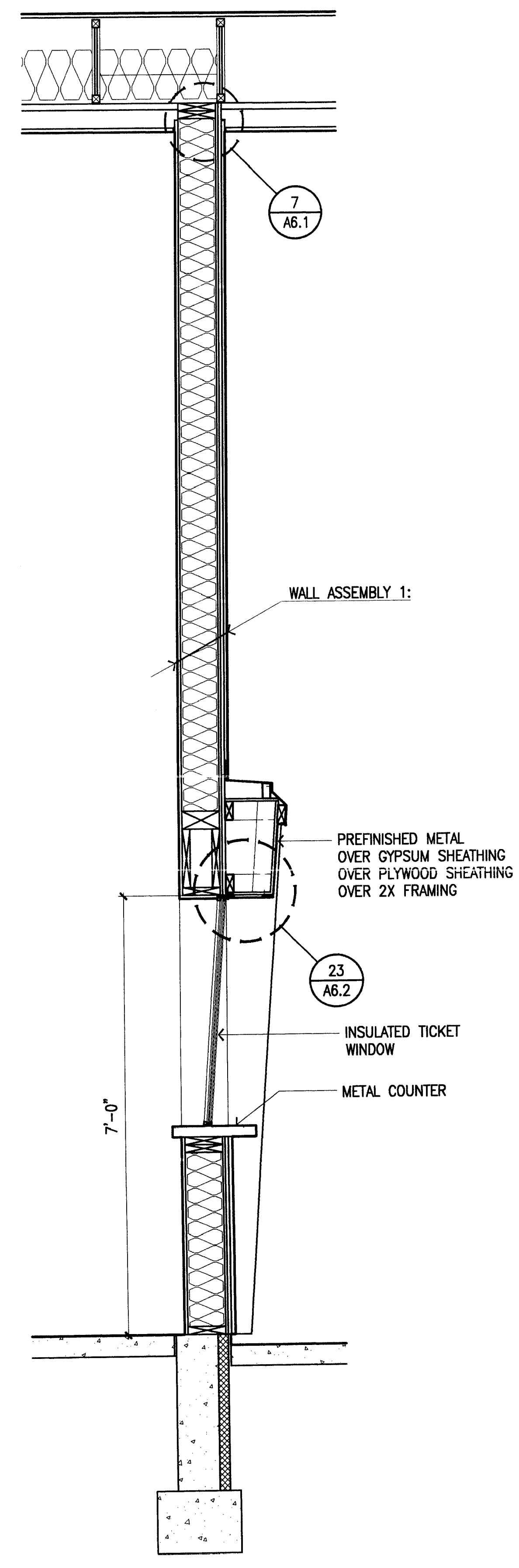
5 Exterior Wall Section
 SCALE: 3/4" = 1'-0"



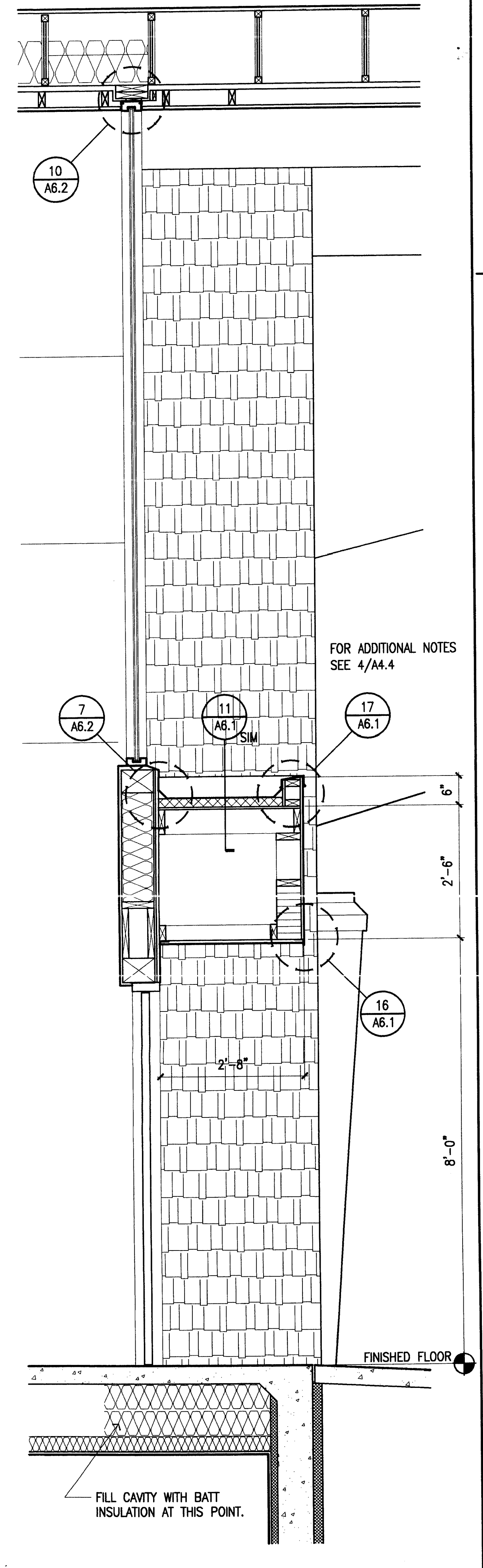
4 Kitchen Counter Section
 SCALE: 3/4" = 1'-0"



3 Ticket Counter Section
 SCALE: 3/4" = 1'-0"



2 Ticket Counter Section
 SCALE: 3/4" = 1'-0"



1 Exterior Wall Section
 SCALE: 3/4" = 1'-0"

FOR ADDITIONAL NOTES
 SEE 4/A4.4

FILL CAVITY WITH BATT
 INSULATION AT THIS POINT.

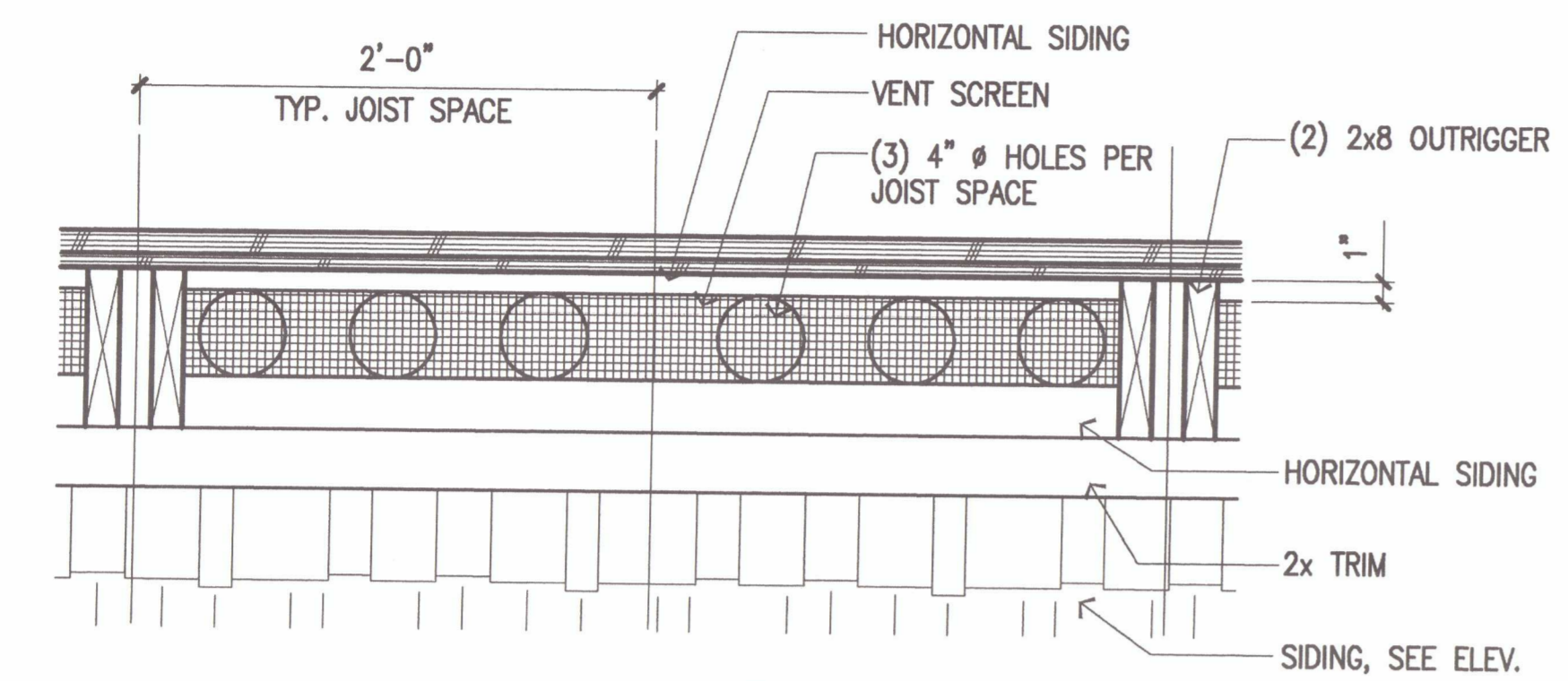
I:\PROJECTS\95023\95023 WALLS.dwg (PLT) 10/17/98 10:52:13 AM



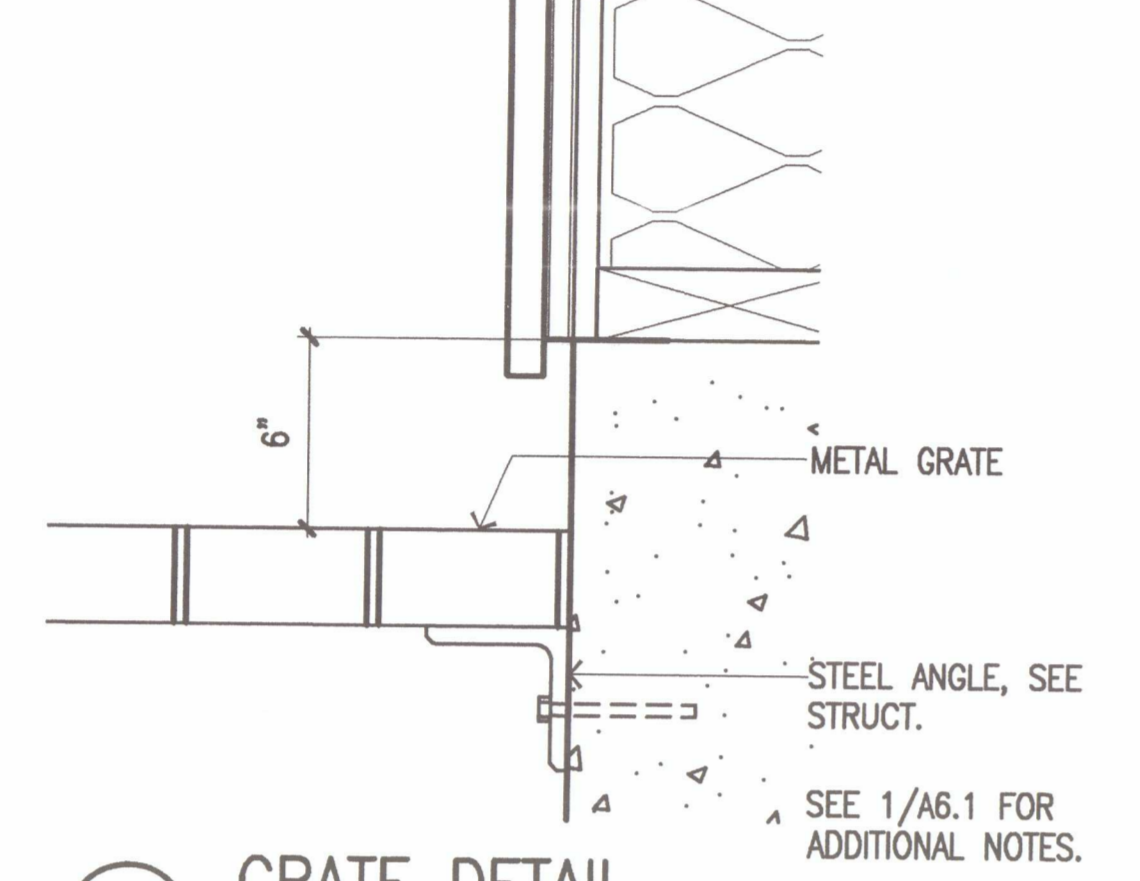
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ALASKA NATIVE HERITAGE CENTER
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 EXTERIOR DETAILS

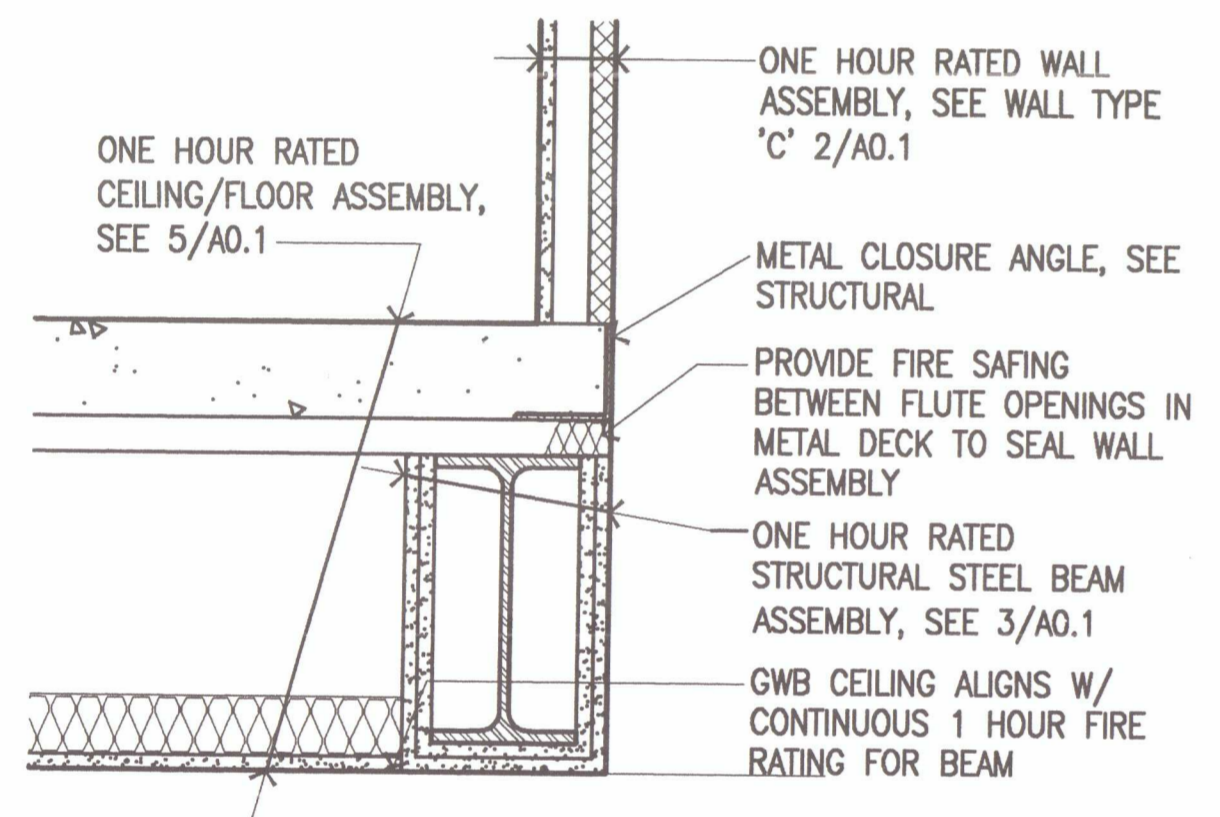
Revisions
CONFORMED DRAWINGS
 Date 04/17/98
 Drawn PMD, FWP
 Checked RRR
 Job No. 95023
 Sheet No.
A6.1
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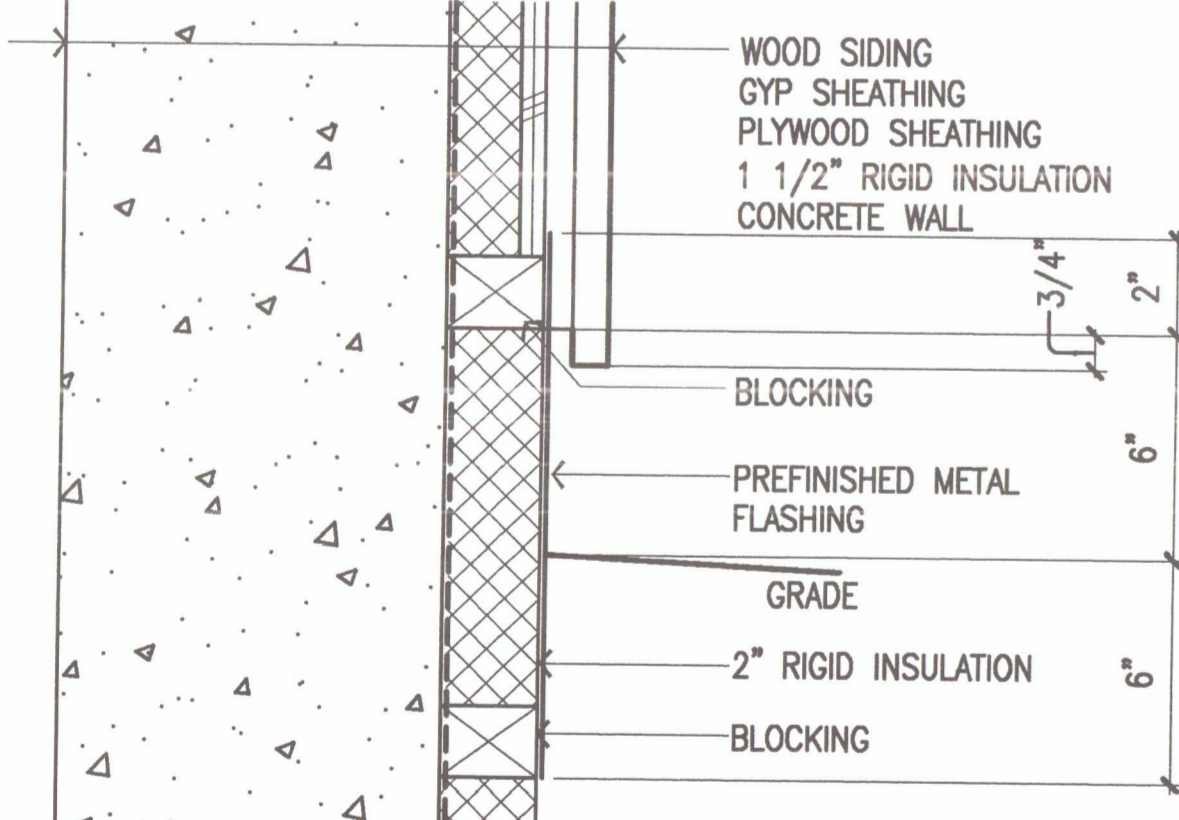
25 ELEVATION BETWEEN OUTRIGGERS
 SCALE: 1 1/2"=1'-0"



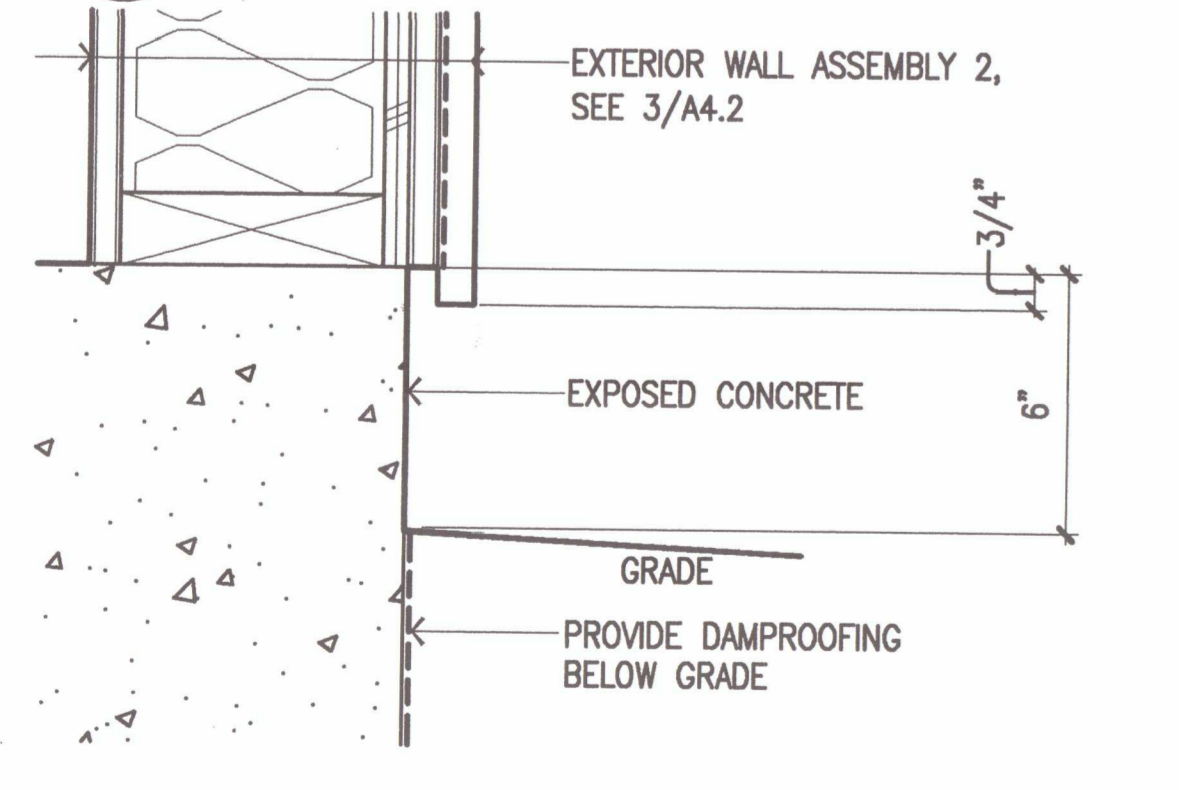
24 GRATE DETAIL
 SCALE: 3"=1'-0"



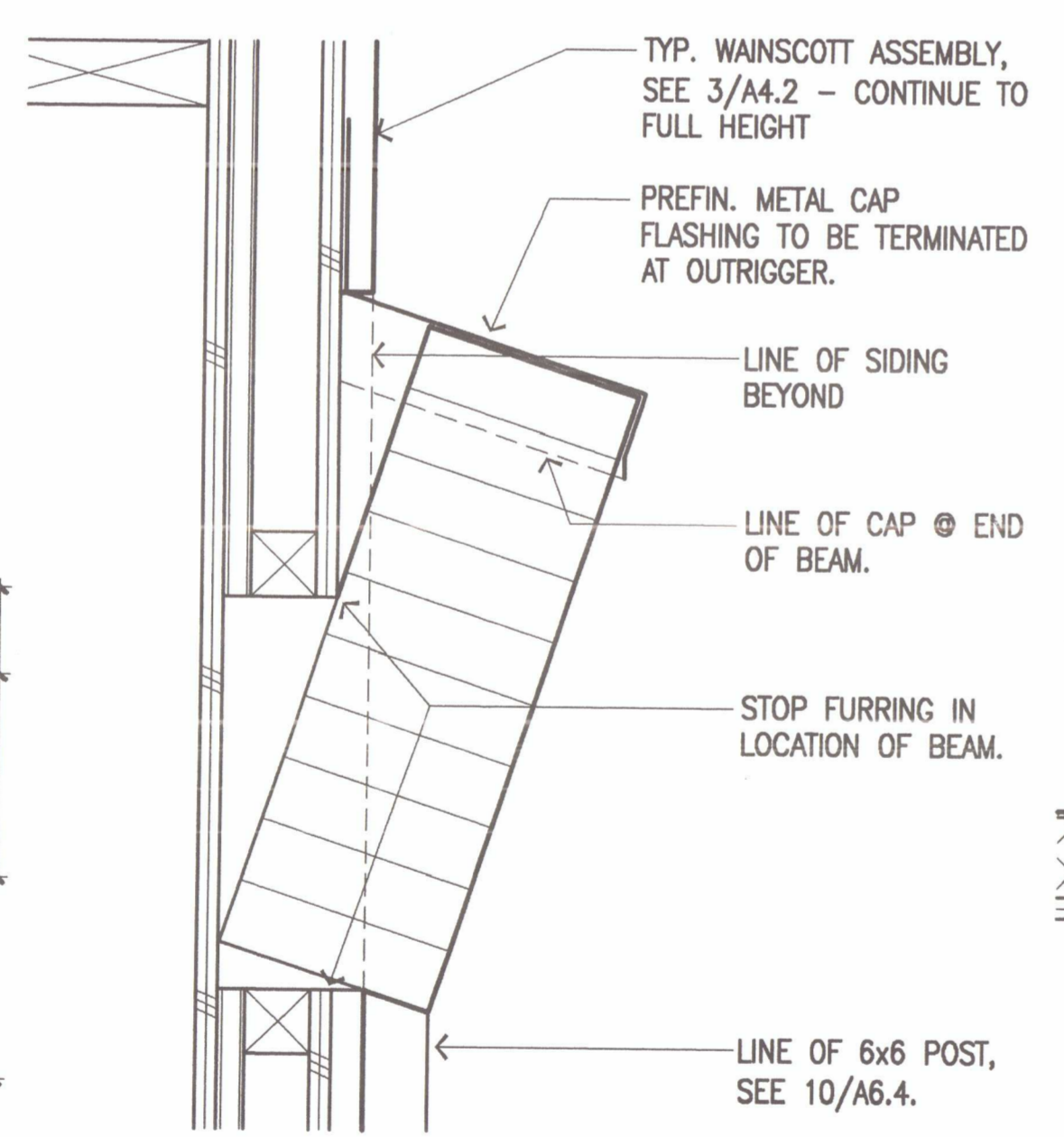
28 SHAFTWALL/CEILING
 SCALE: 1 1/2"=1'-0"



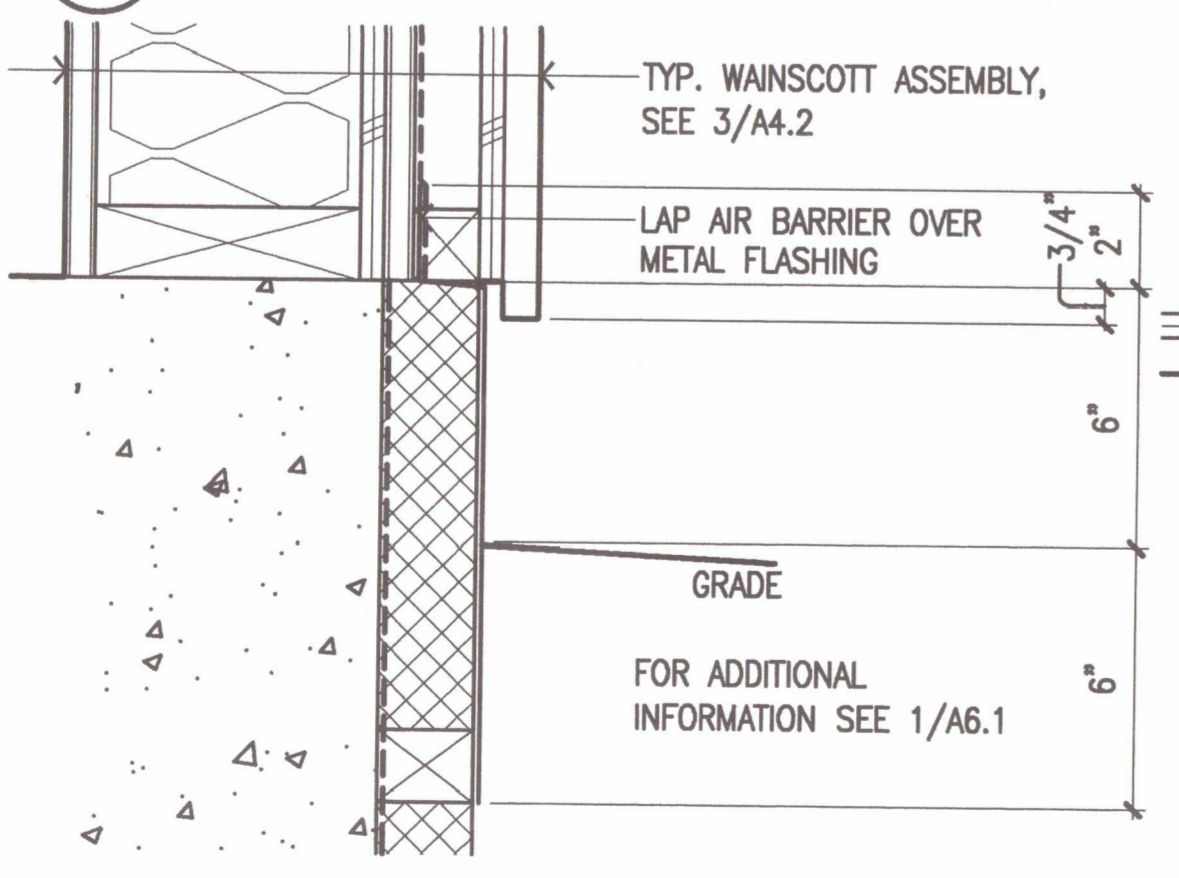
27 CONCRETE WALL @ GRADE
 SCALE: 3"=1'-0"



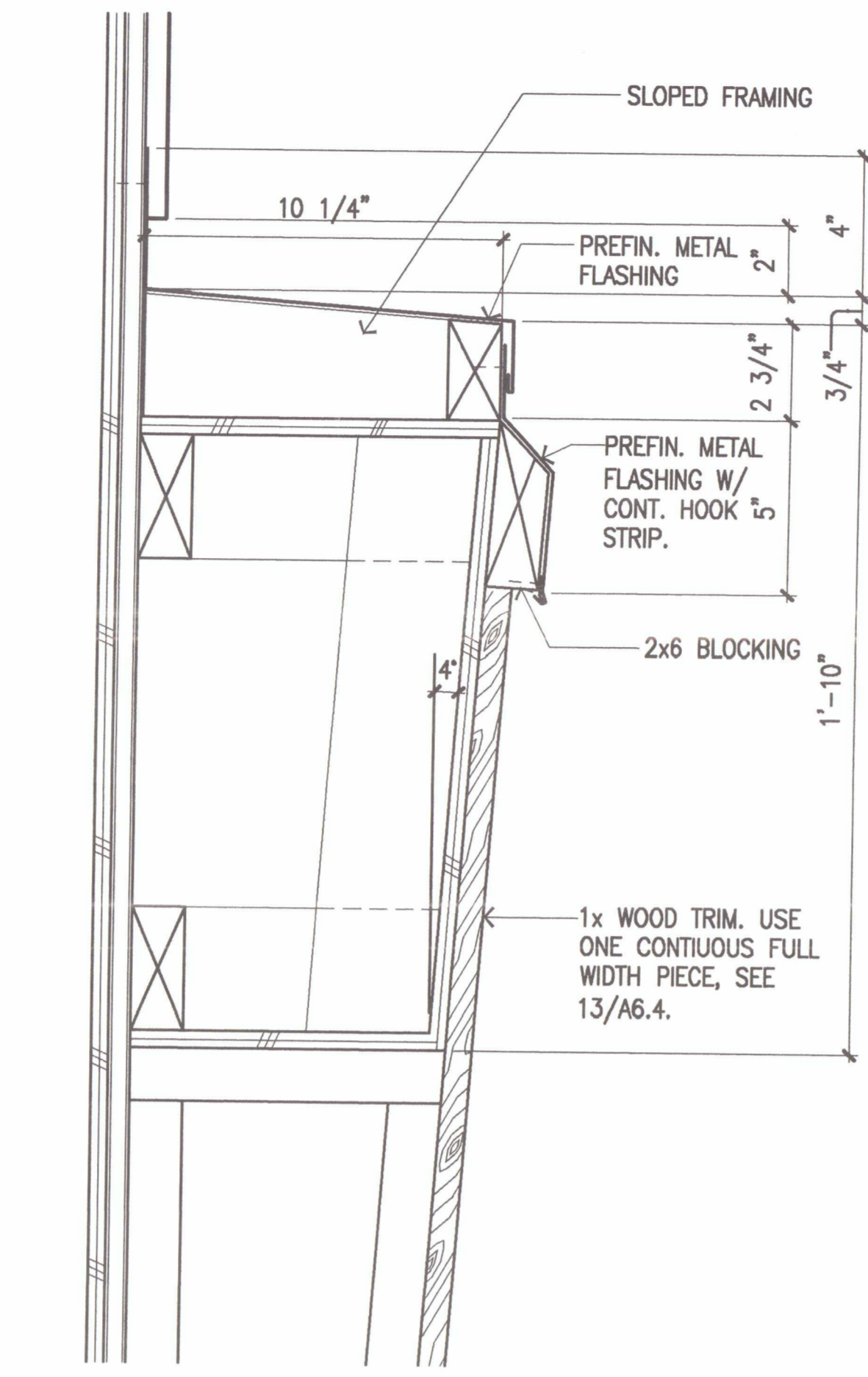
26 TYP. SILL DETAIL @ EXPOSED CONC.
 SCALE: 3"=1'-0"



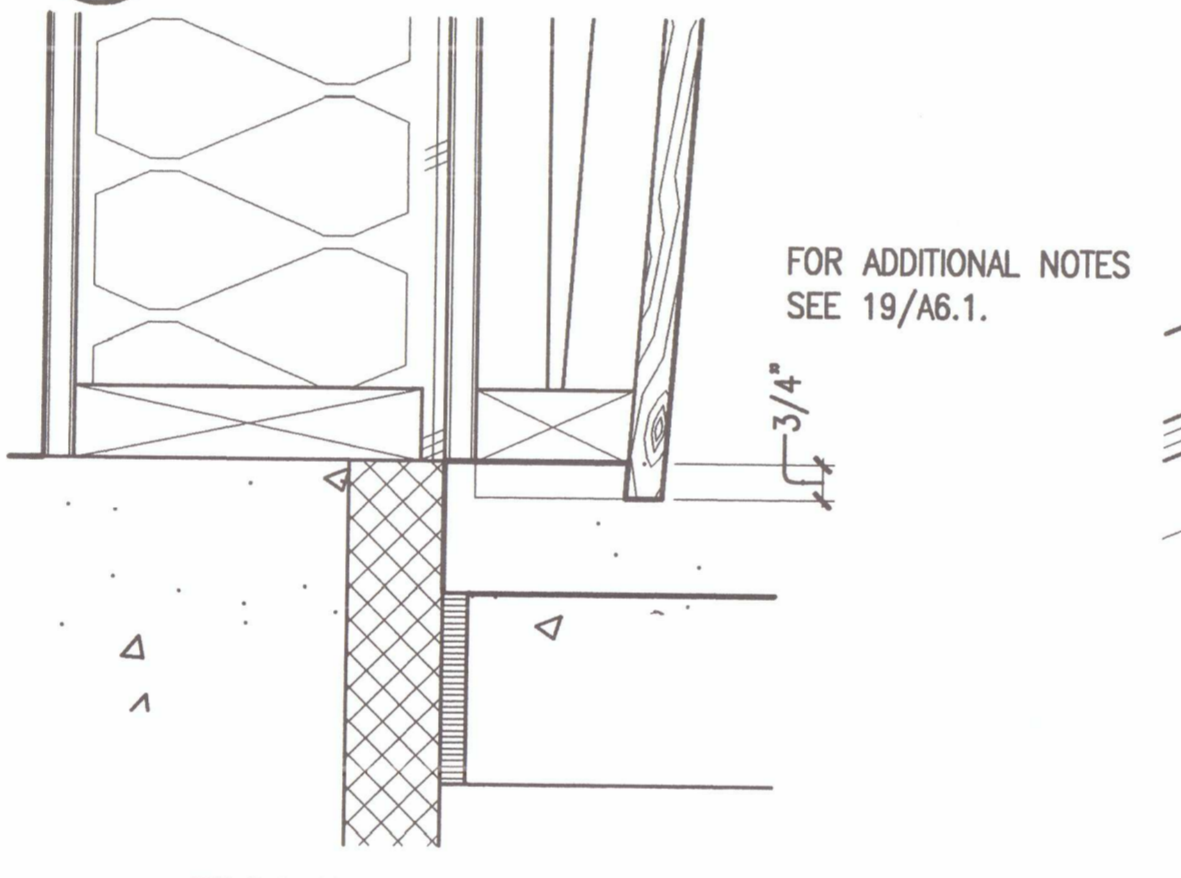
22 BEAM @ STUDIO WALL
 SCALE: 3"=1'-0"



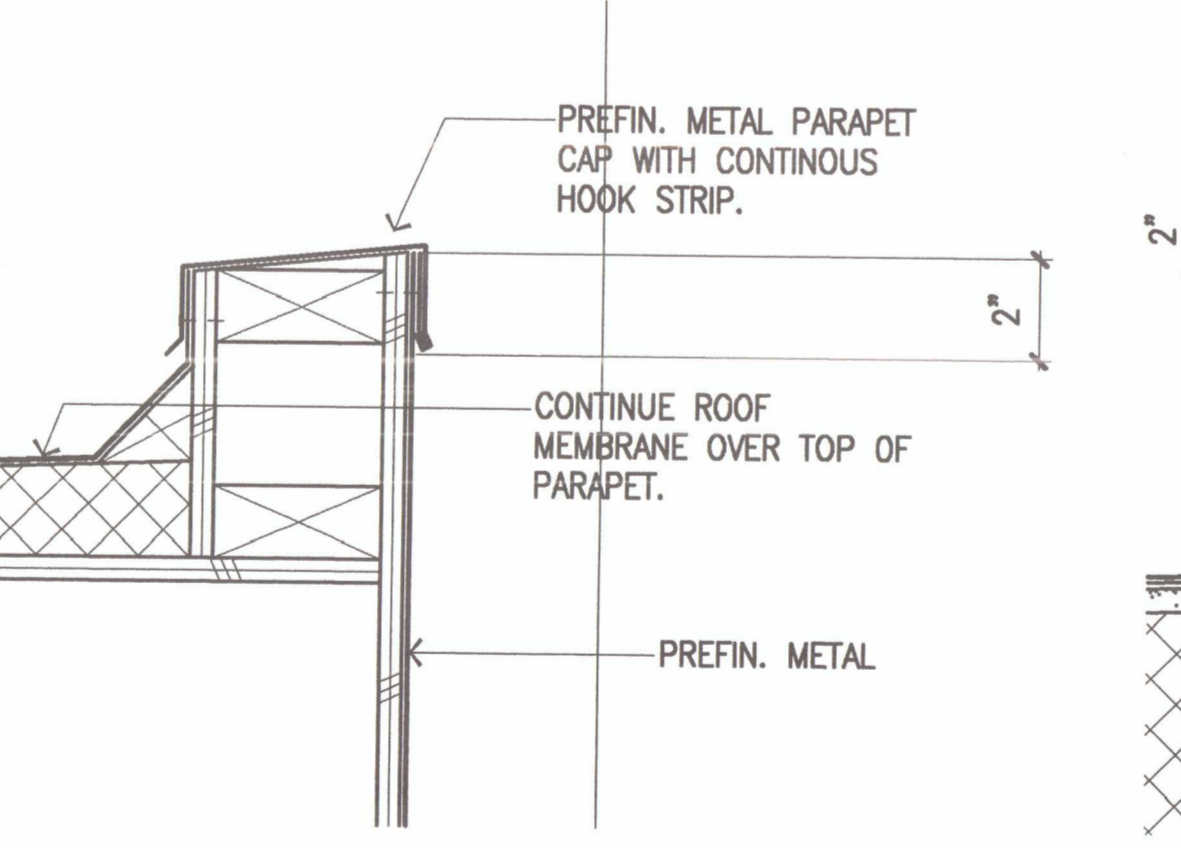
21 TYP. SILL DETAIL @ WAINSCOTT
 SCALE: 3"=1'-0"



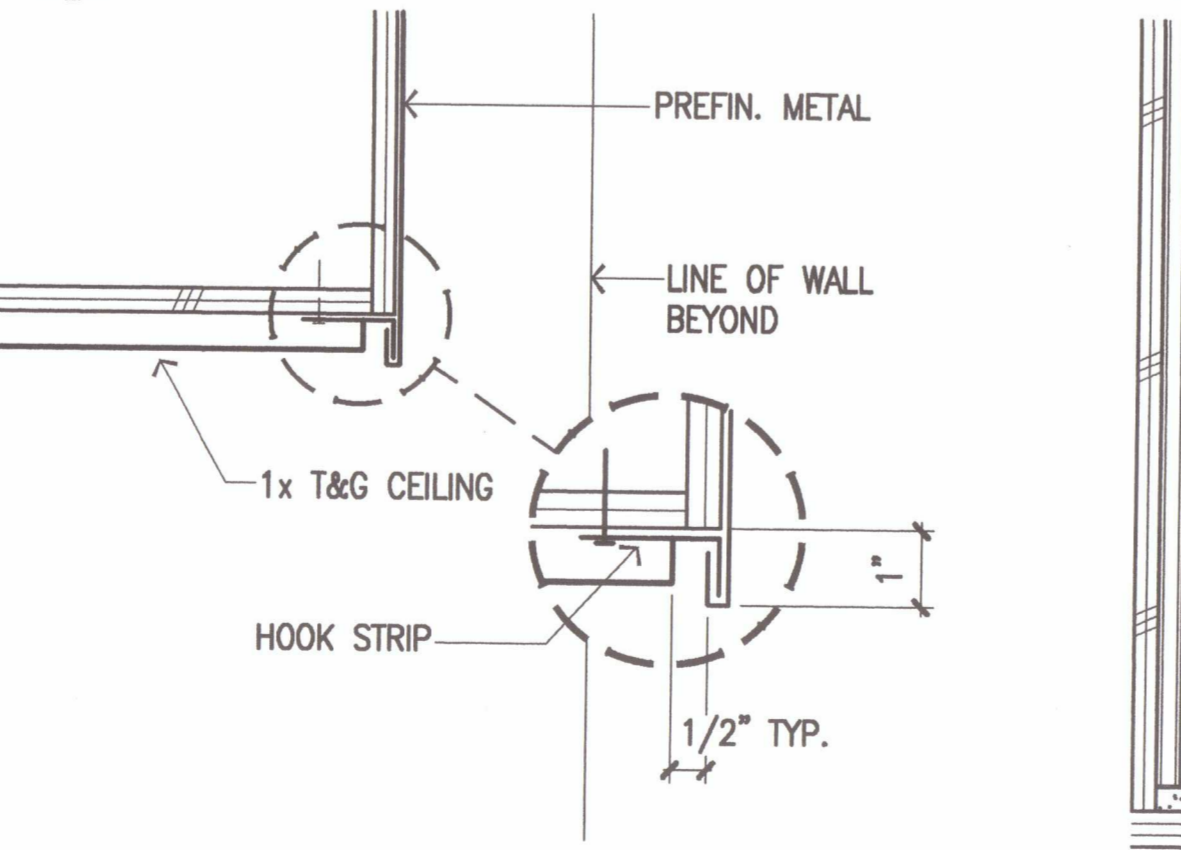
19 TICKET WINDOW WING
 SCALE: 3"=1'-0"



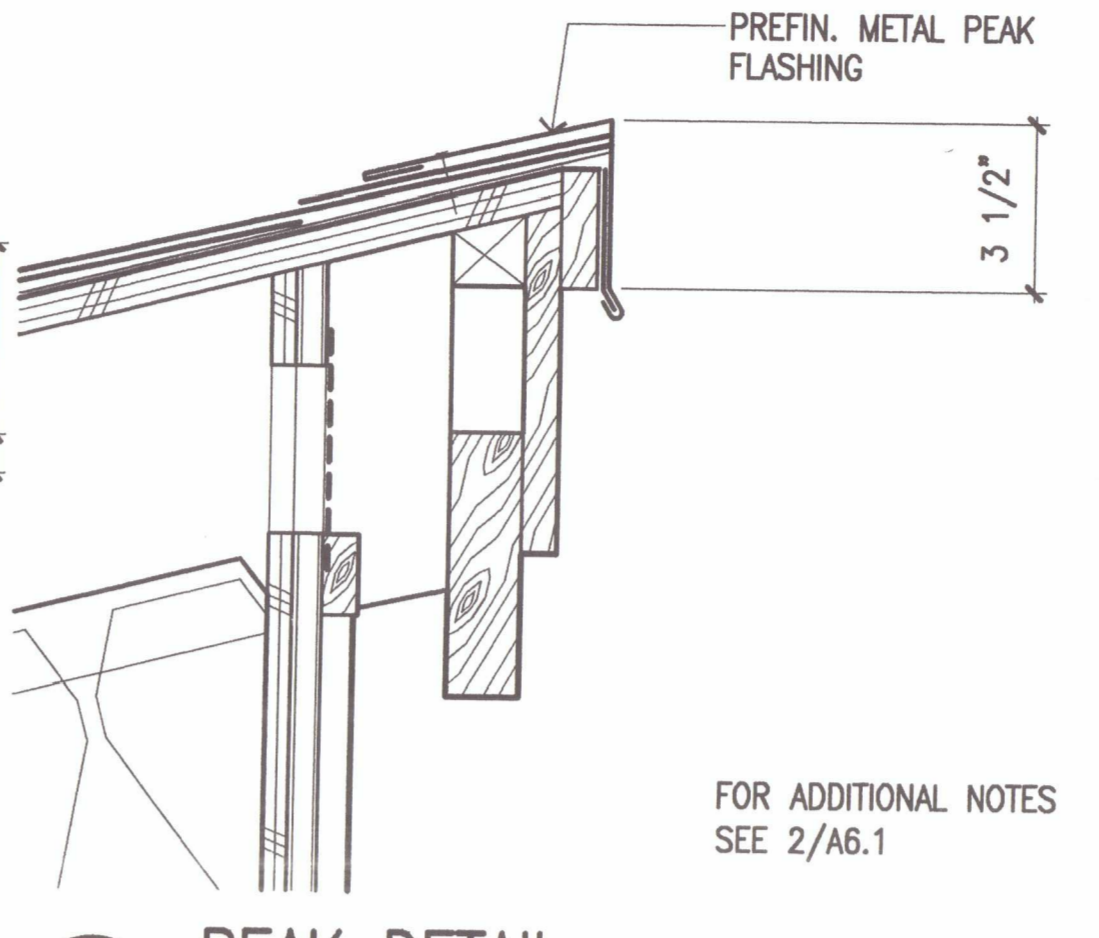
18 TICKET WINDOW WING
 SCALE: 3"=1'-0"



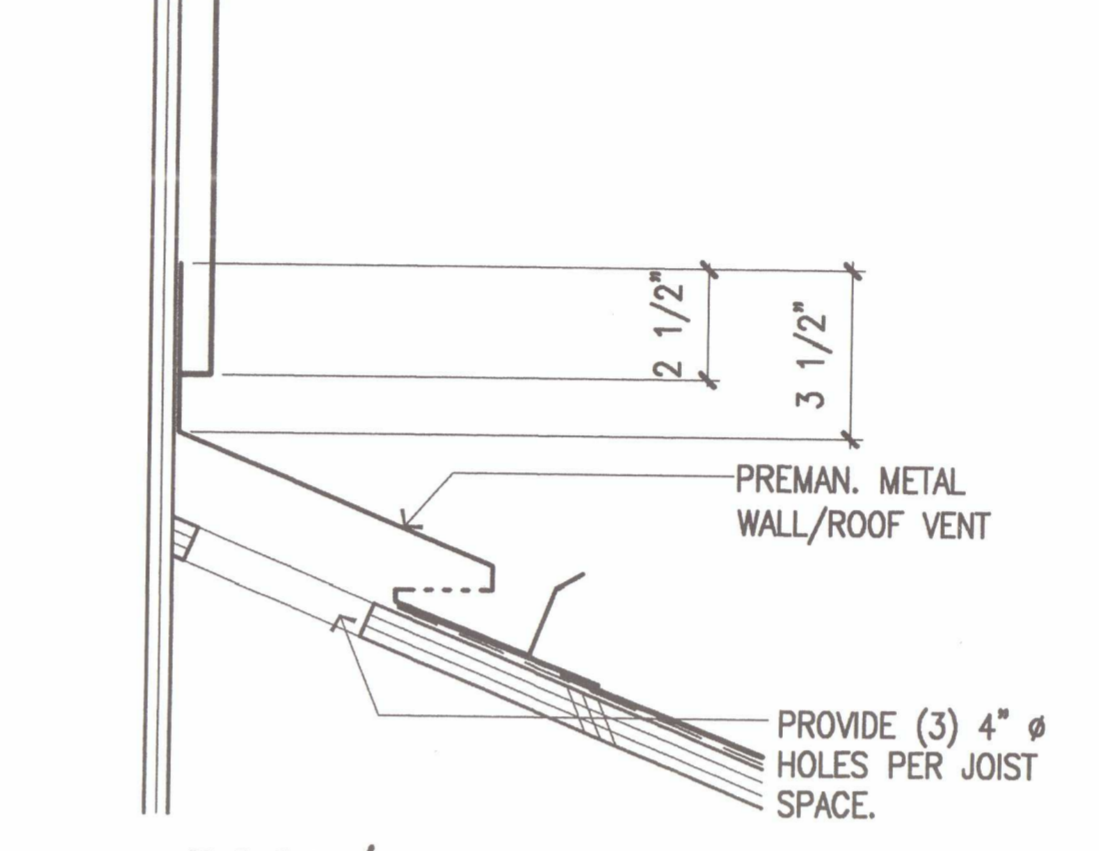
17 ENTRY CANOPY PARAPET
 SCALE: 3"=1'-0"



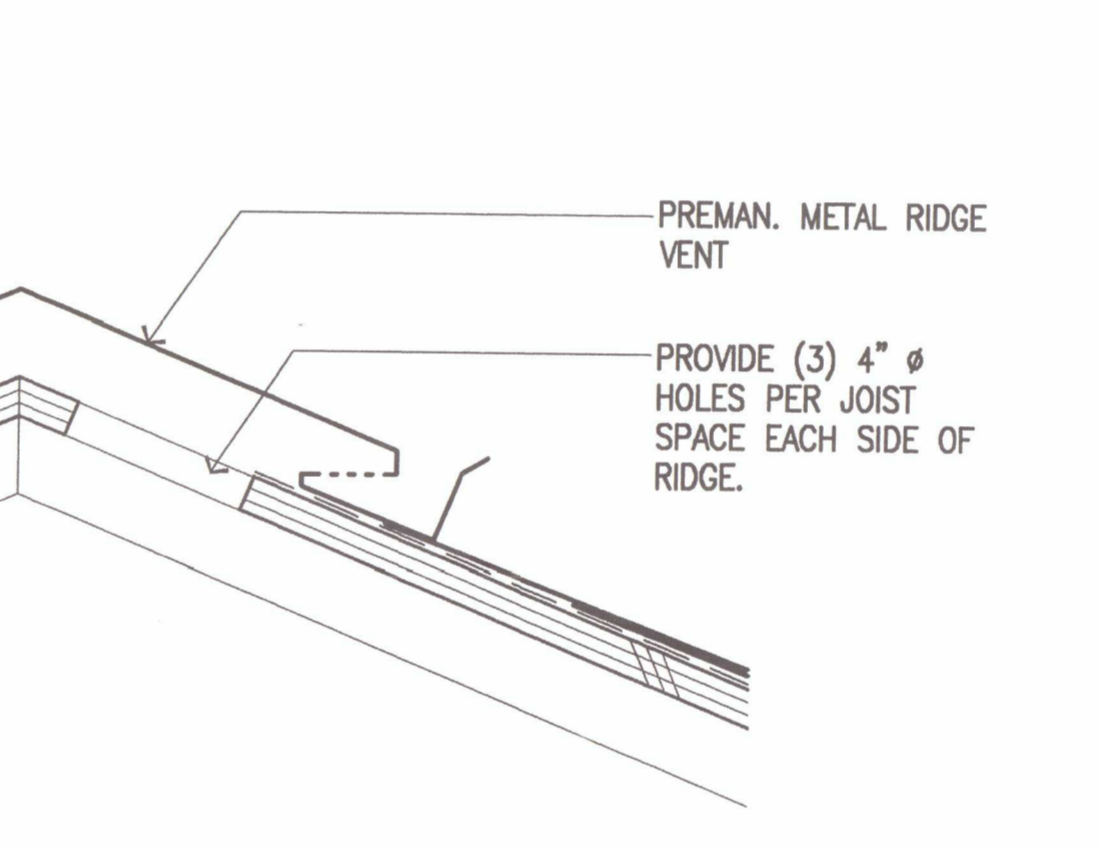
16 ENTRY CANOPY DRIP
 SCALE: 3"=1'-0"



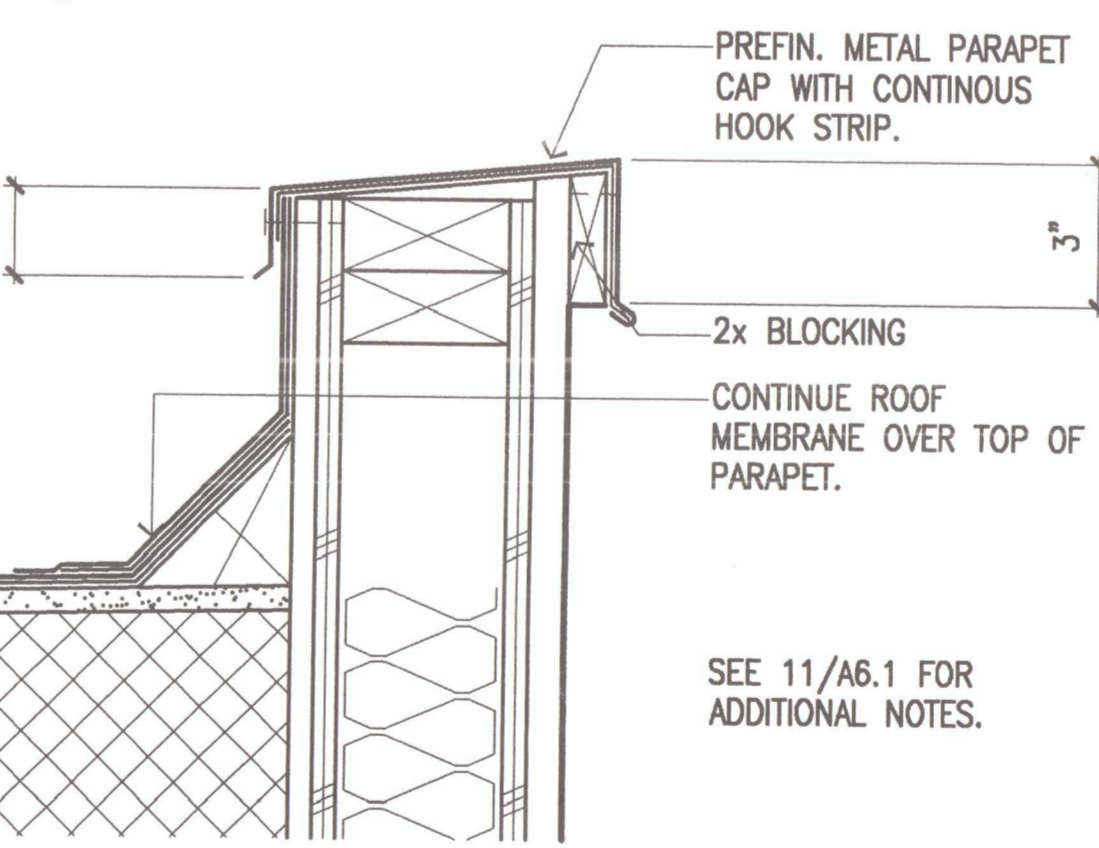
15 PEAK DETAIL
 SCALE: 3"=1'-0"



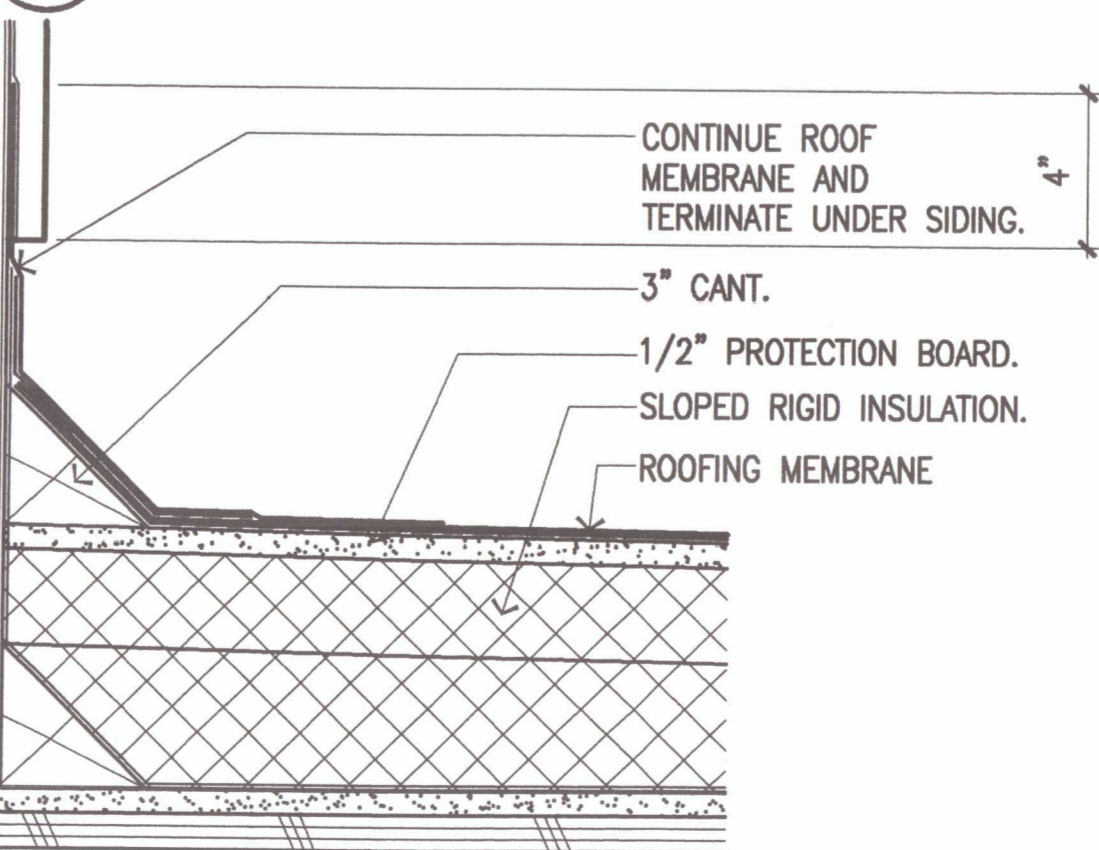
14 ROOF/WALL VENT
 SCALE: 3"=1'-0"



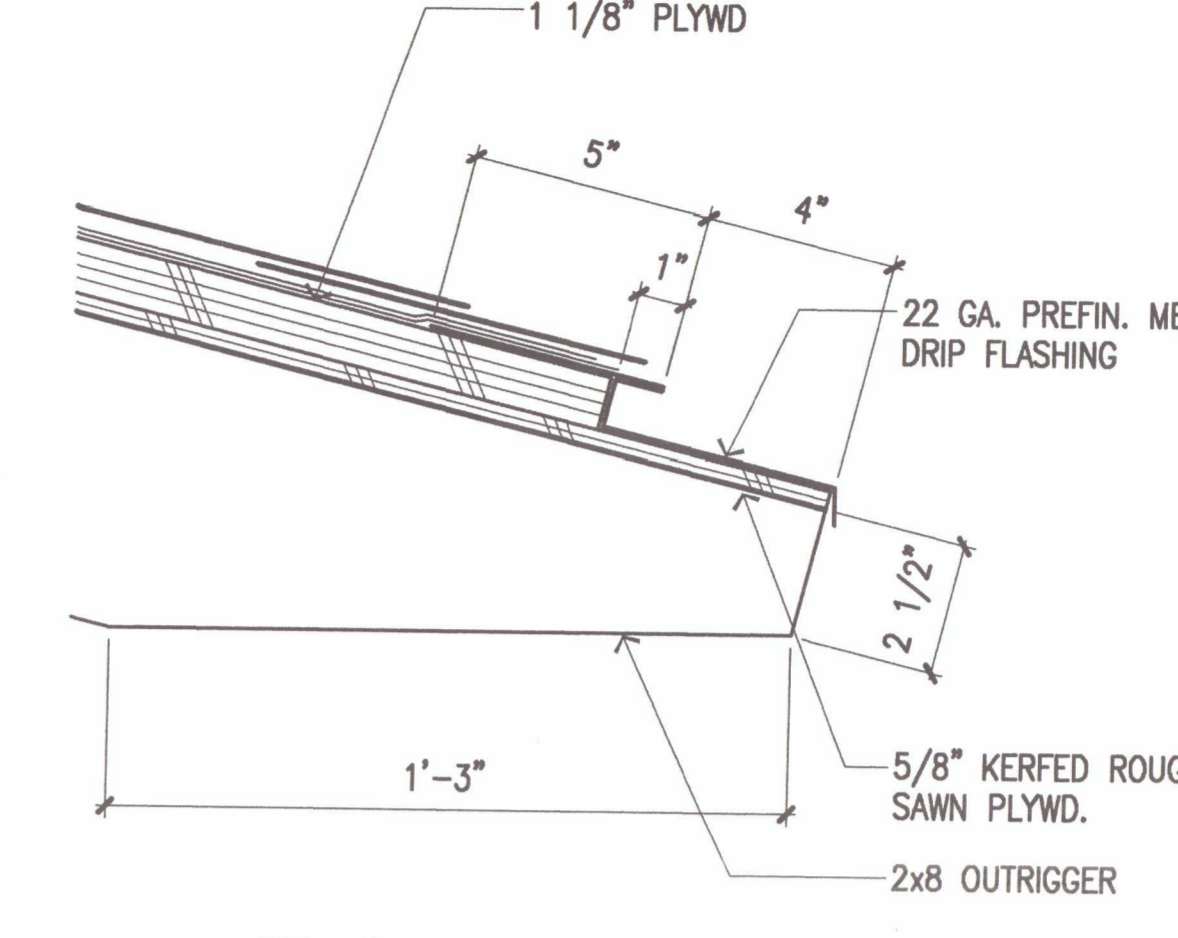
13 RIDGE VENT
 SCALE: 3"=1'-0"



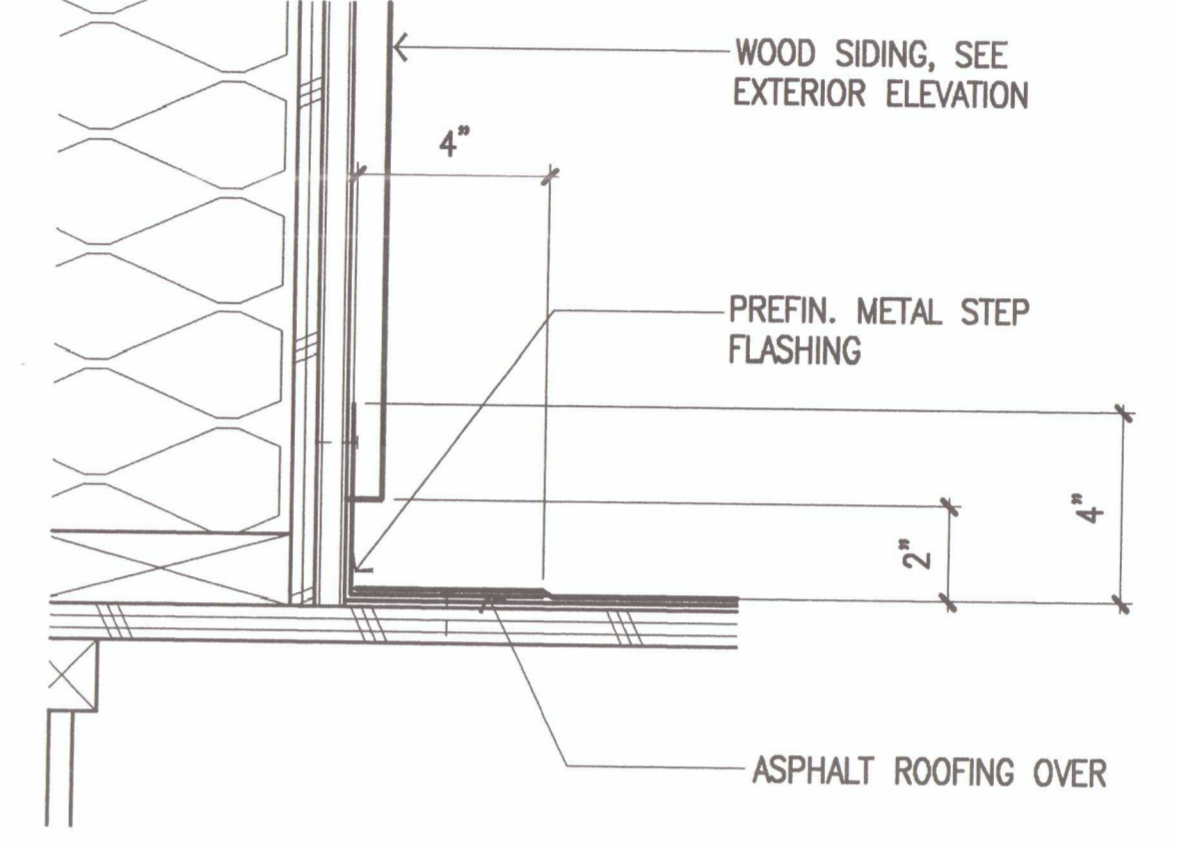
12 TYP. PARAPET
 SCALE: 3"=1'-0"



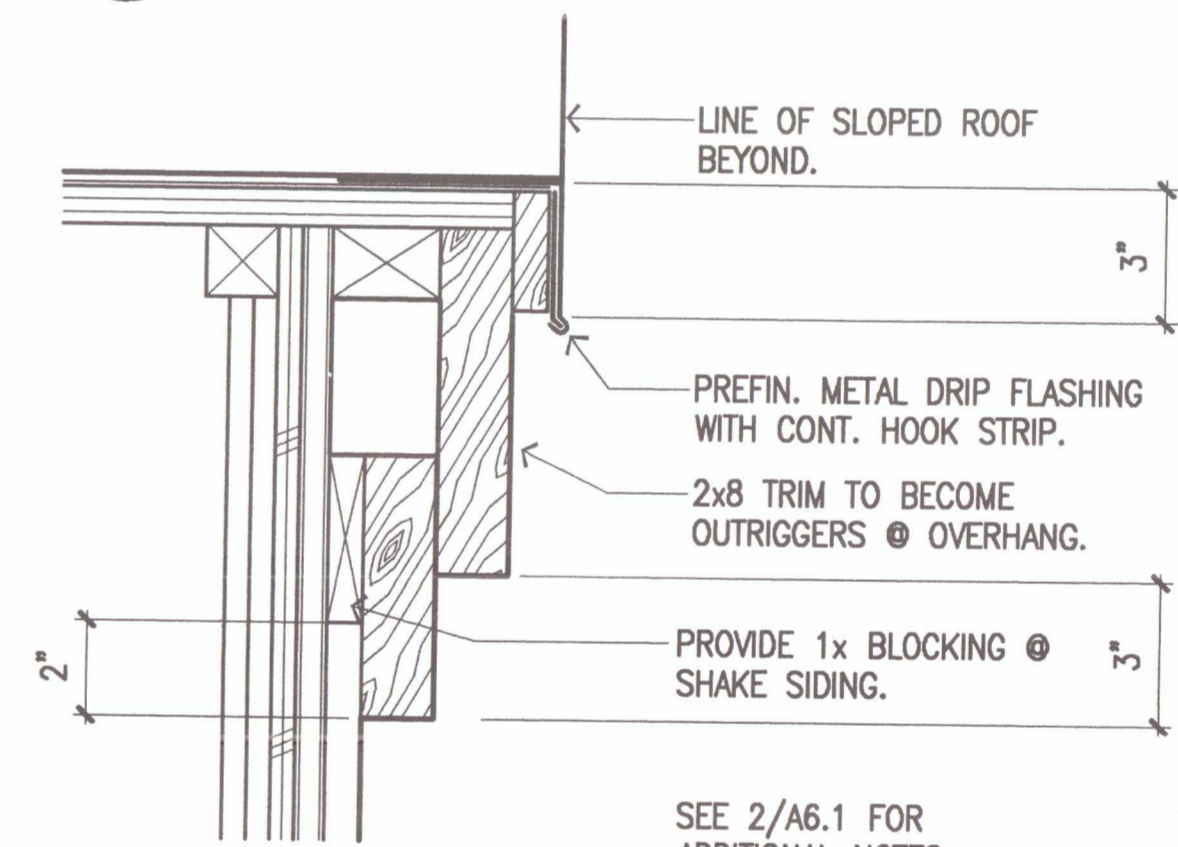
11 FLASHING @ FLAT ROOF/WALL
 SCALE: 3"=1'-0"



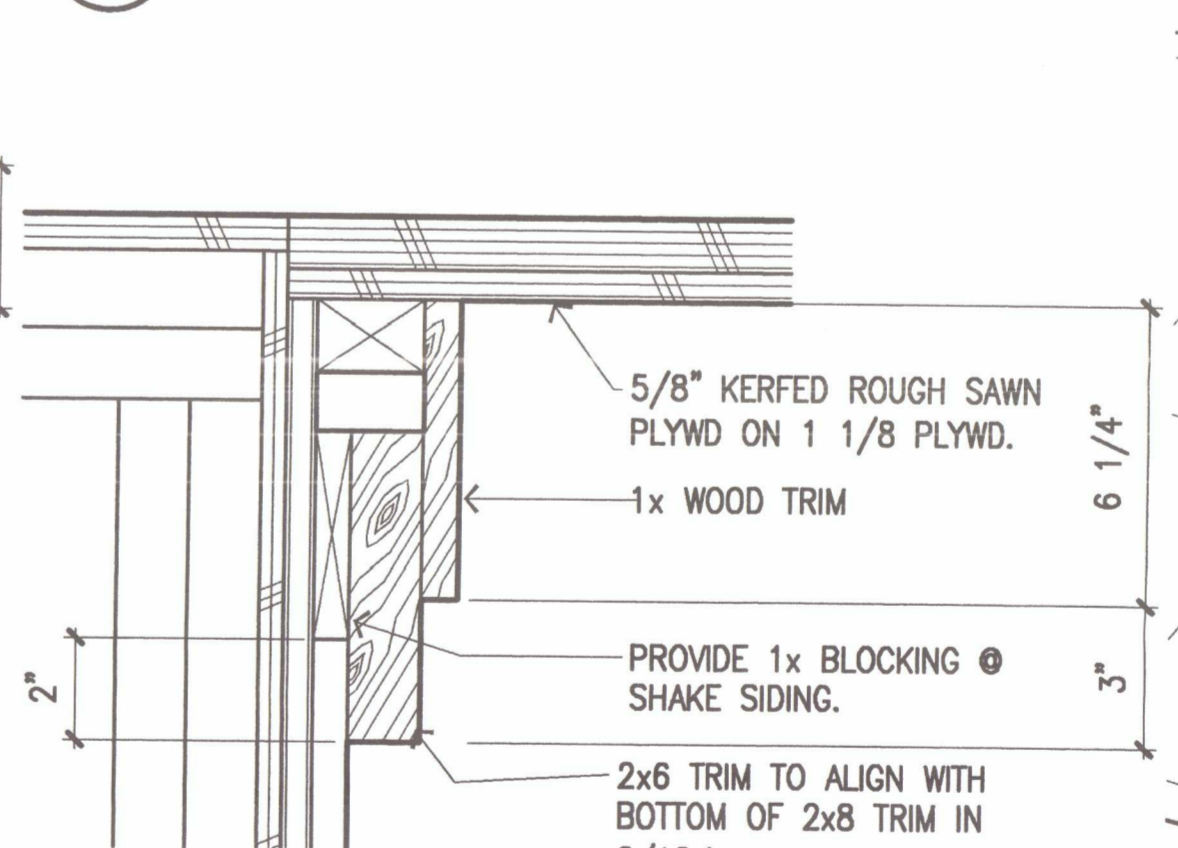
10 EAVE
 SCALE: 3"=1'-0"



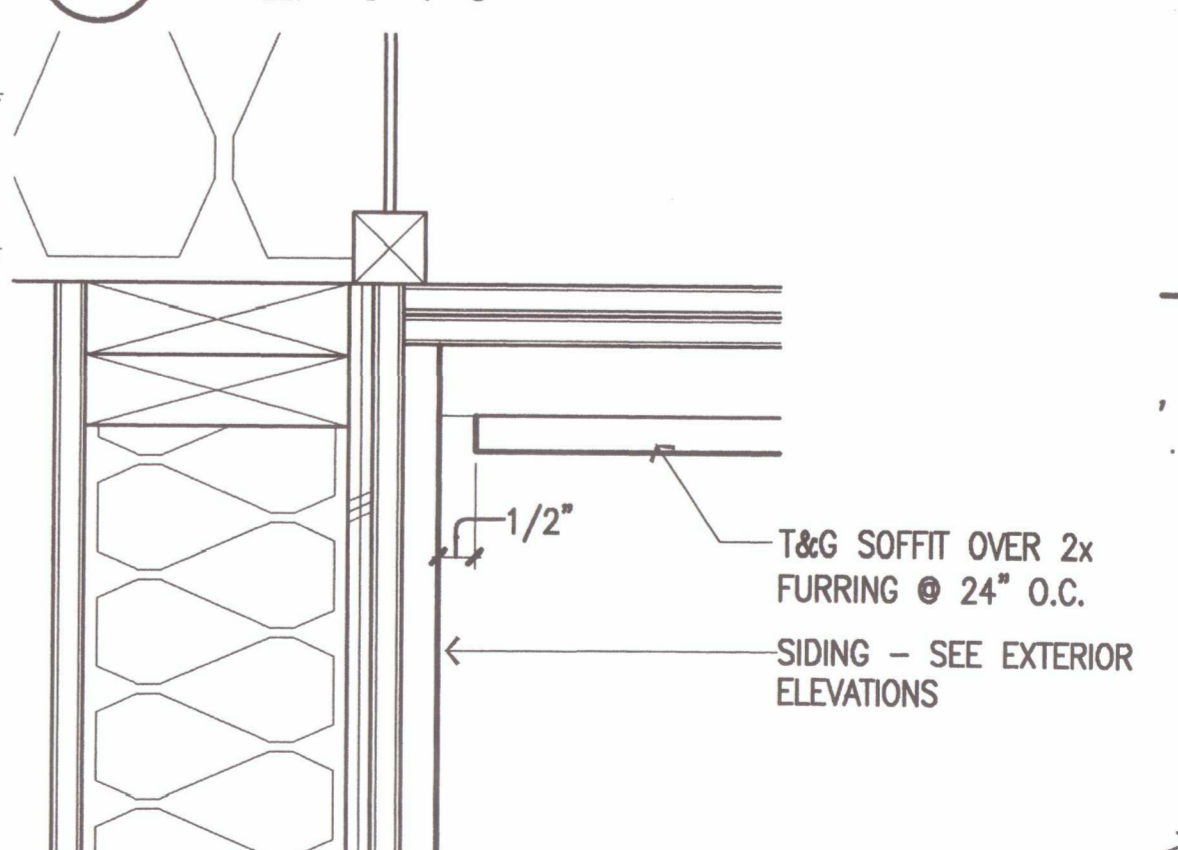
9 FLASHING @ SLOPED ROOF/WALL
 SCALE: 3"=1'-0"



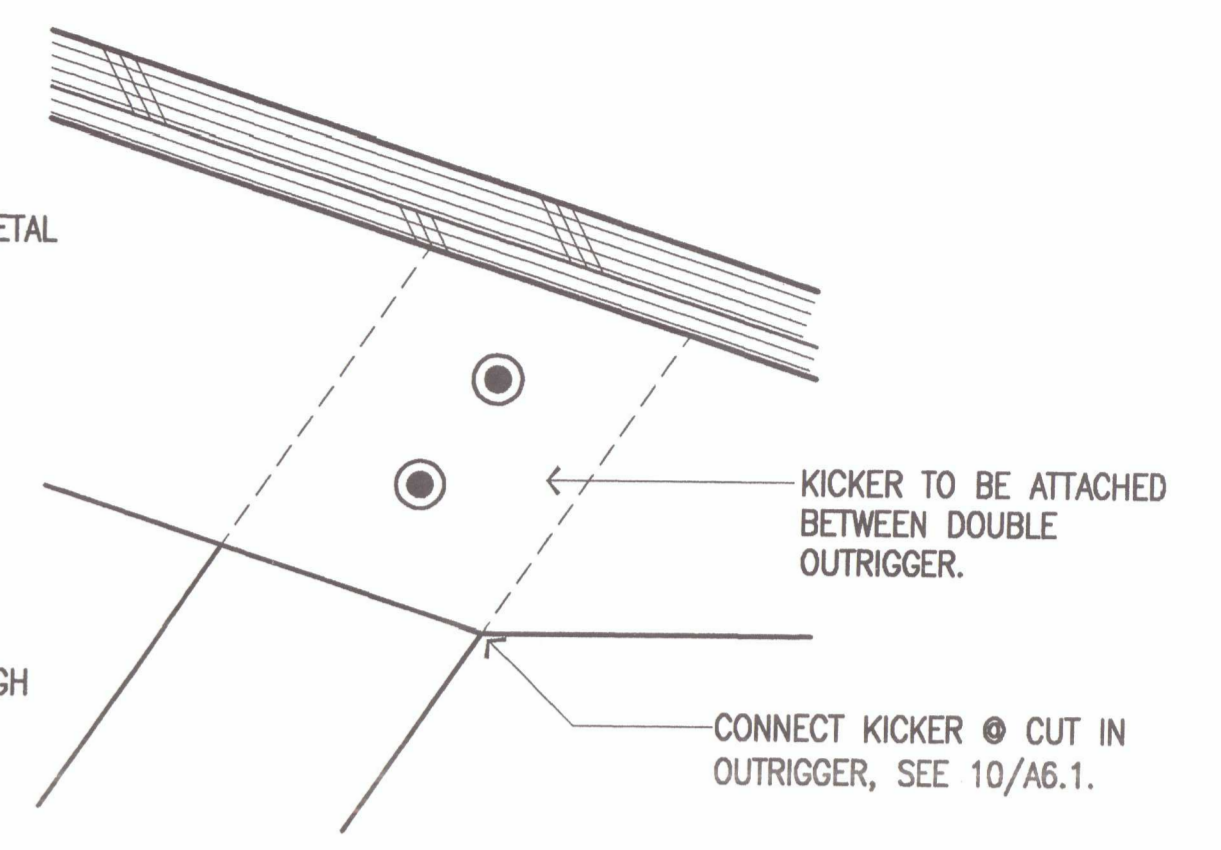
8 TRIM @ ROOF
 SCALE: 3"=1'-0"



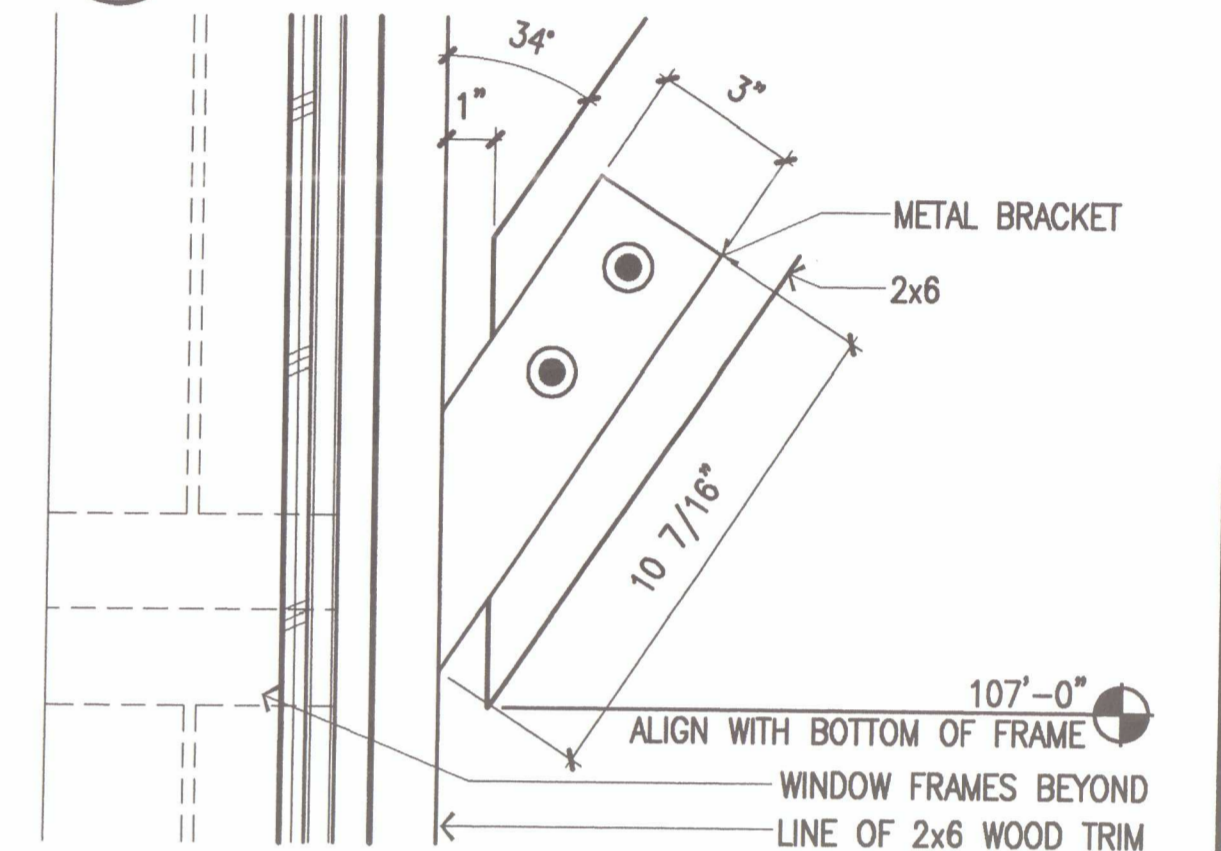
7 WALL/CEILING @ EAVE
 SCALE: 3"=1'-0"



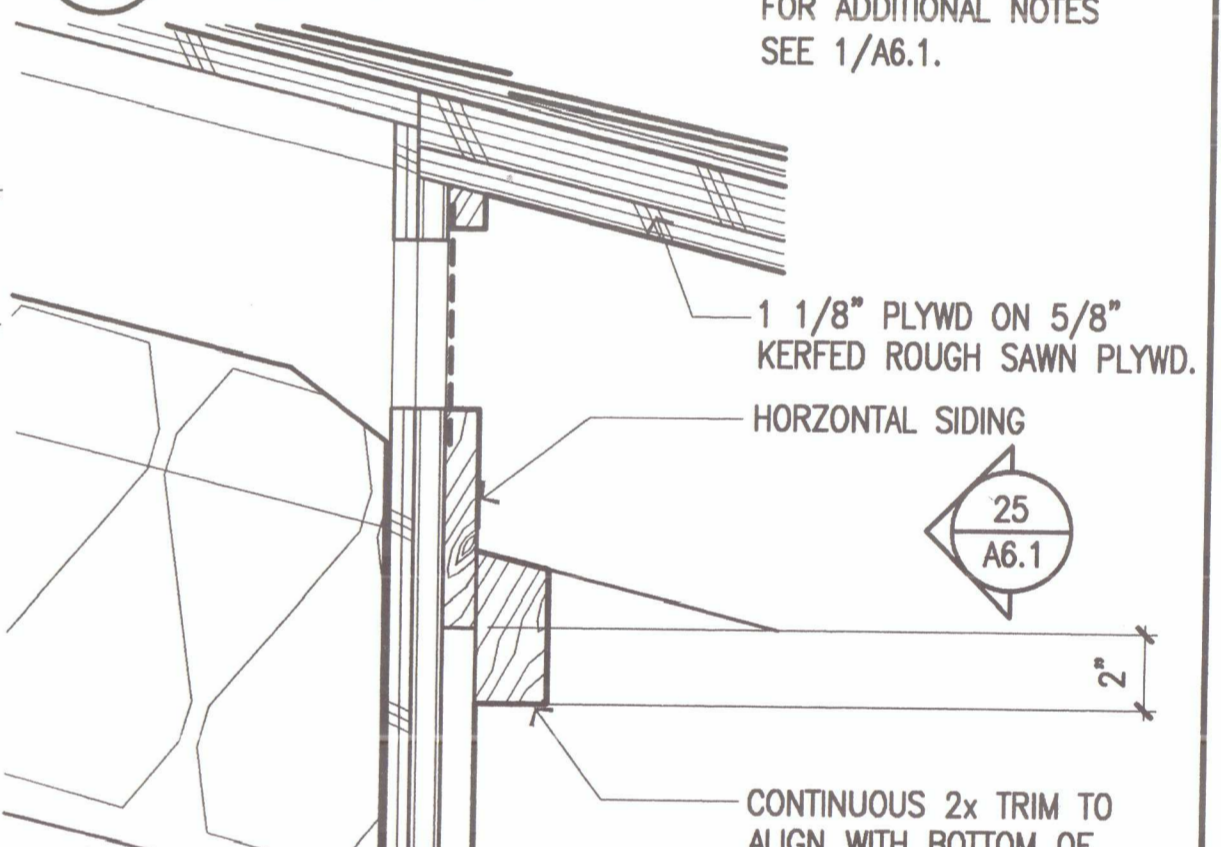
6 WALL/CEILING
 SCALE: 3"=1'-0"



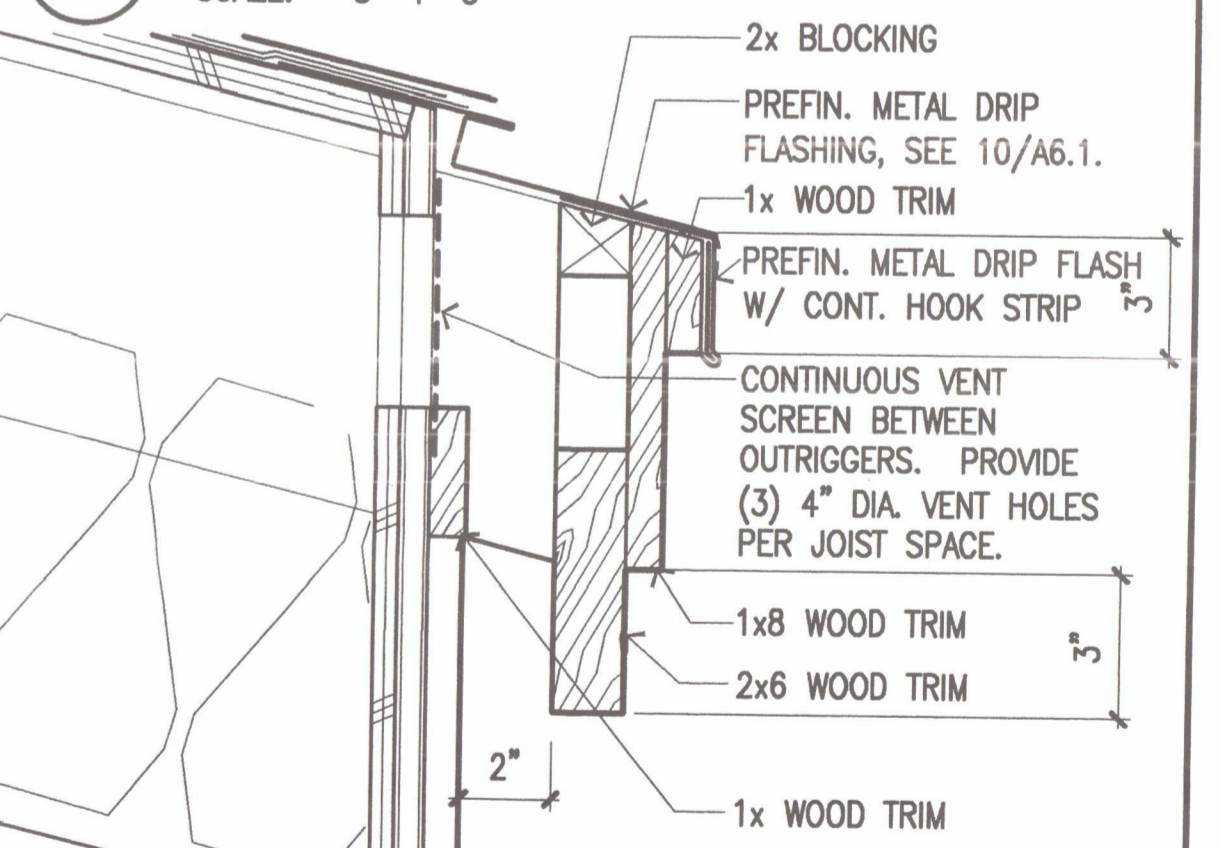
5 KICKER @ OUTRIGGER
 SCALE: 3"=1'-0"



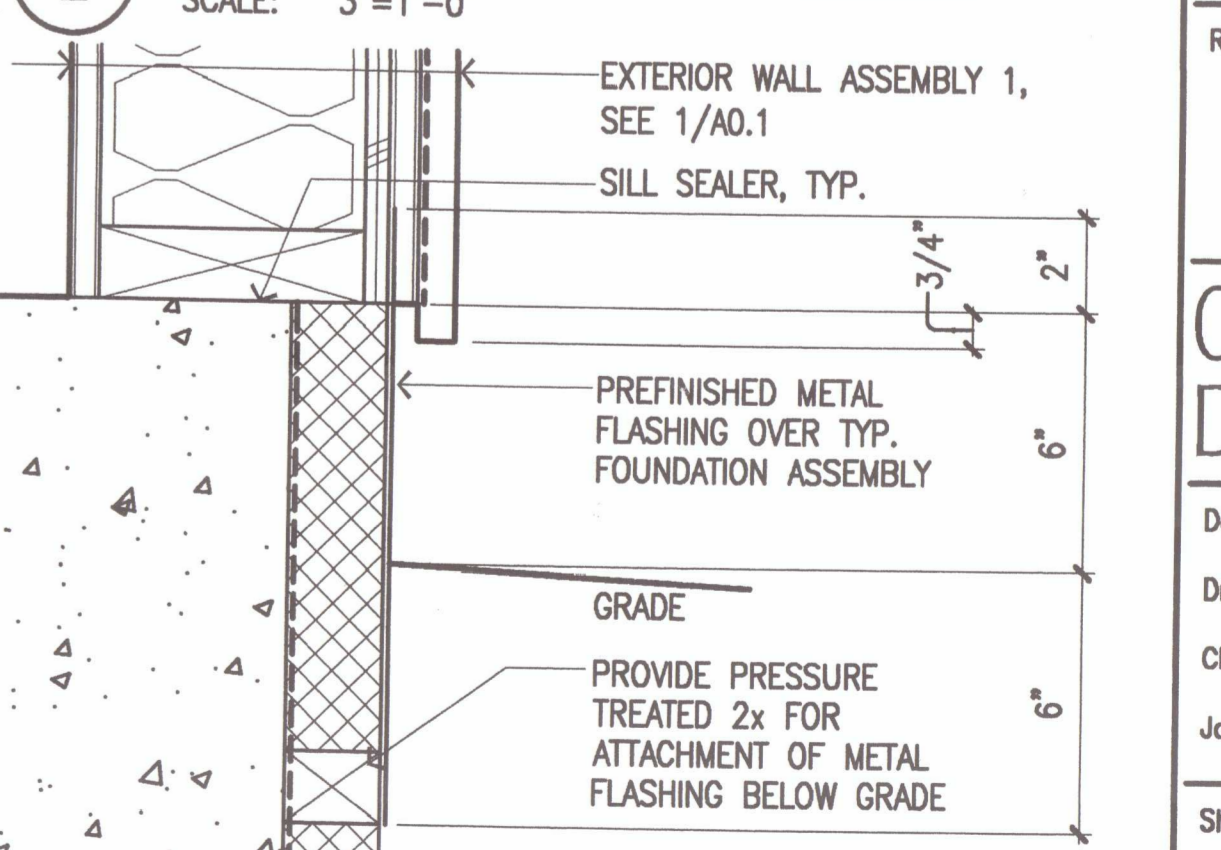
4 KICKER @ WALL
 SCALE: 3"=1'-0"



3 EAVE
 SCALE: 3"=1'-0"



2 EAVE
 SCALE: 3"=1'-0"



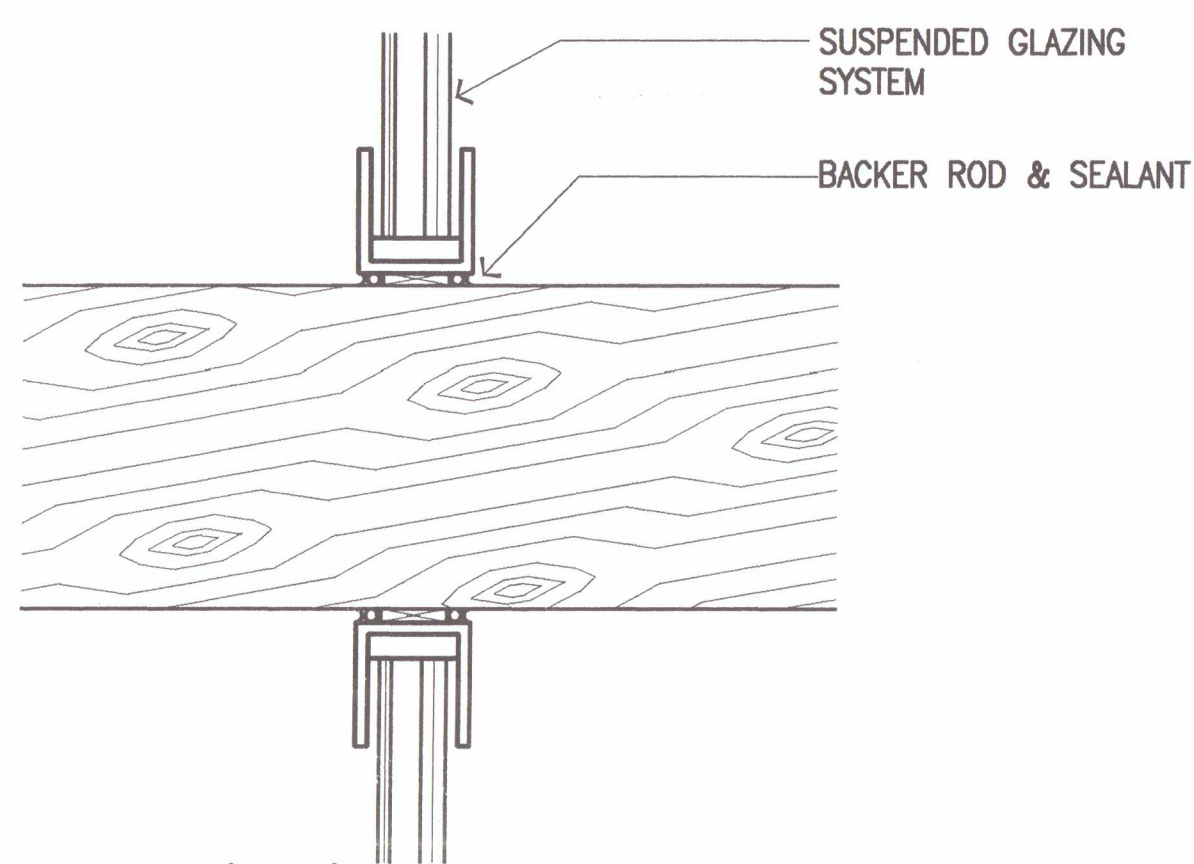
1 TYP. SILL DETAIL @ WALL TYPE 1
 SCALE: 3"=1'-0"



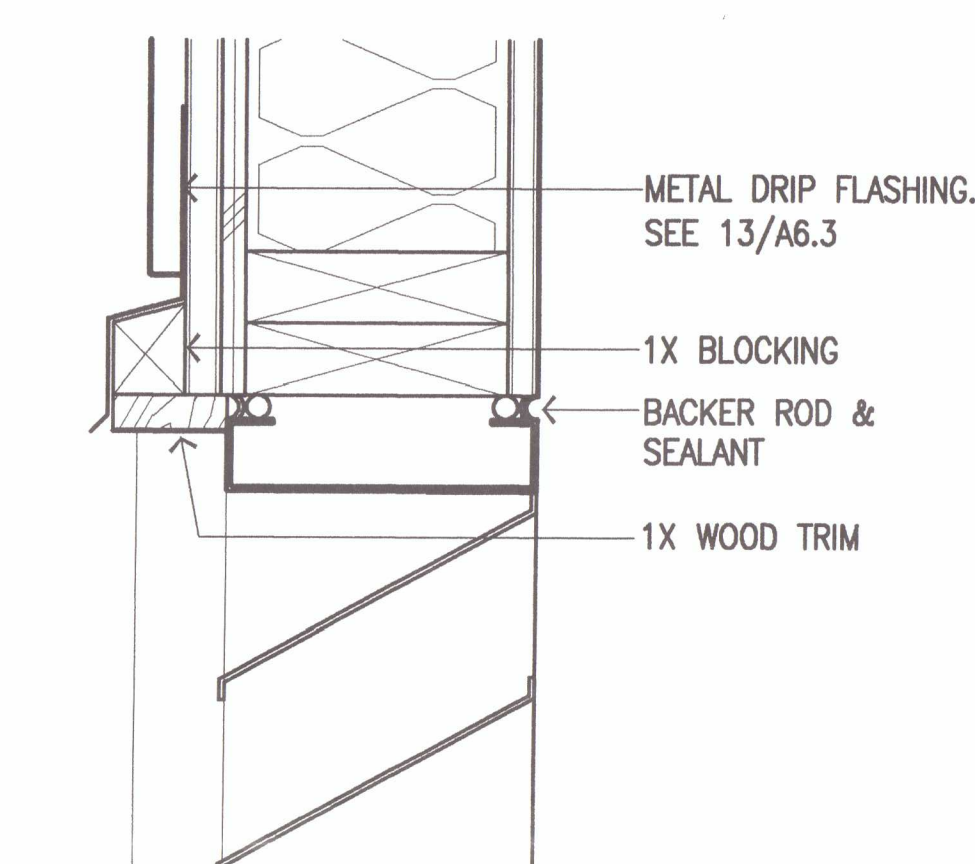
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 OPENING DETAILS

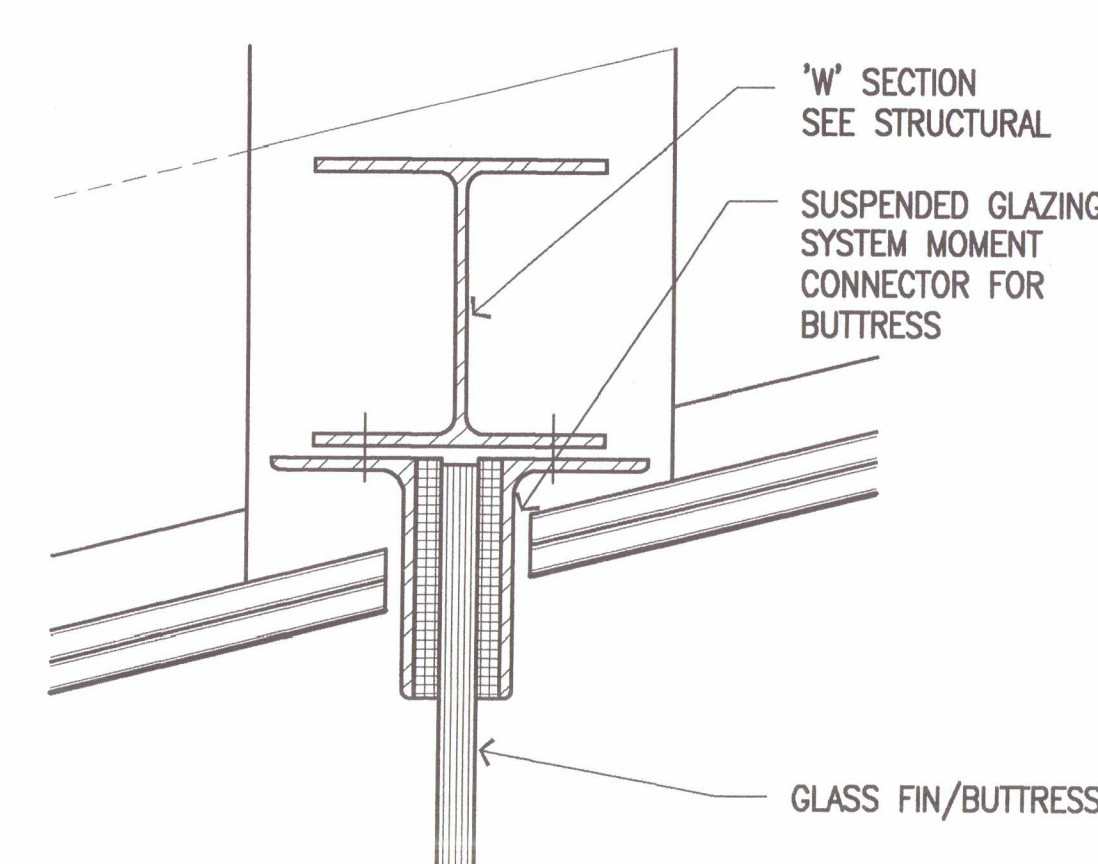
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CONFORMED DRAWINGS
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 Checked RRR
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 Sheet No.
A6.2
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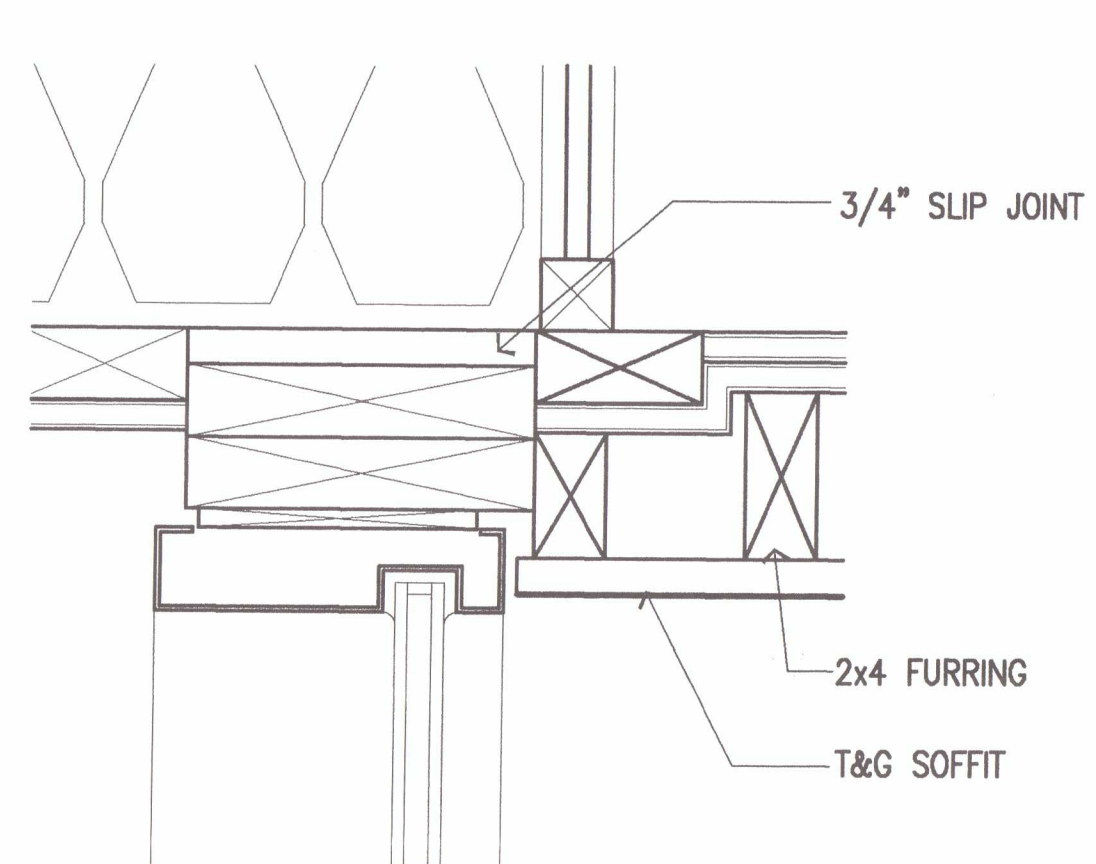
30 Jamb
 SCALE: 3"=1'-0"



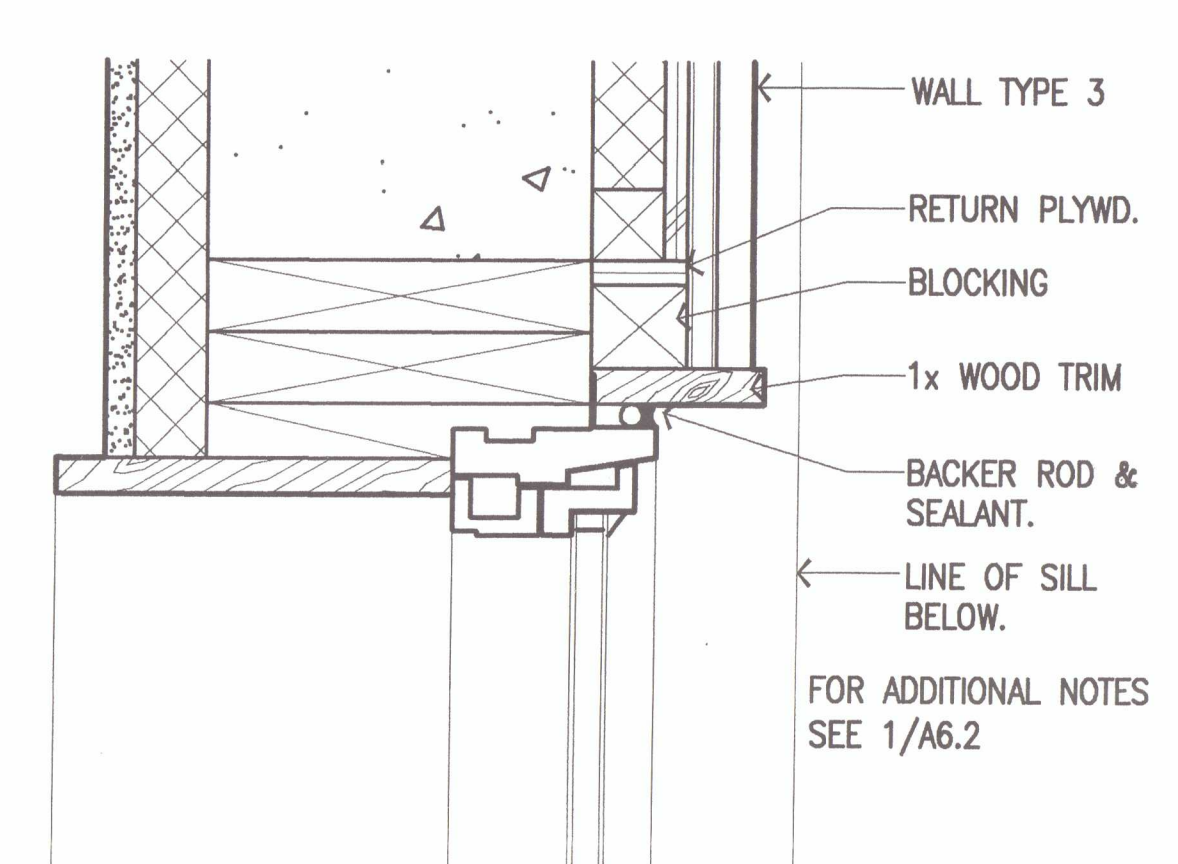
20 Head
 SCALE: 3"=1'-0"



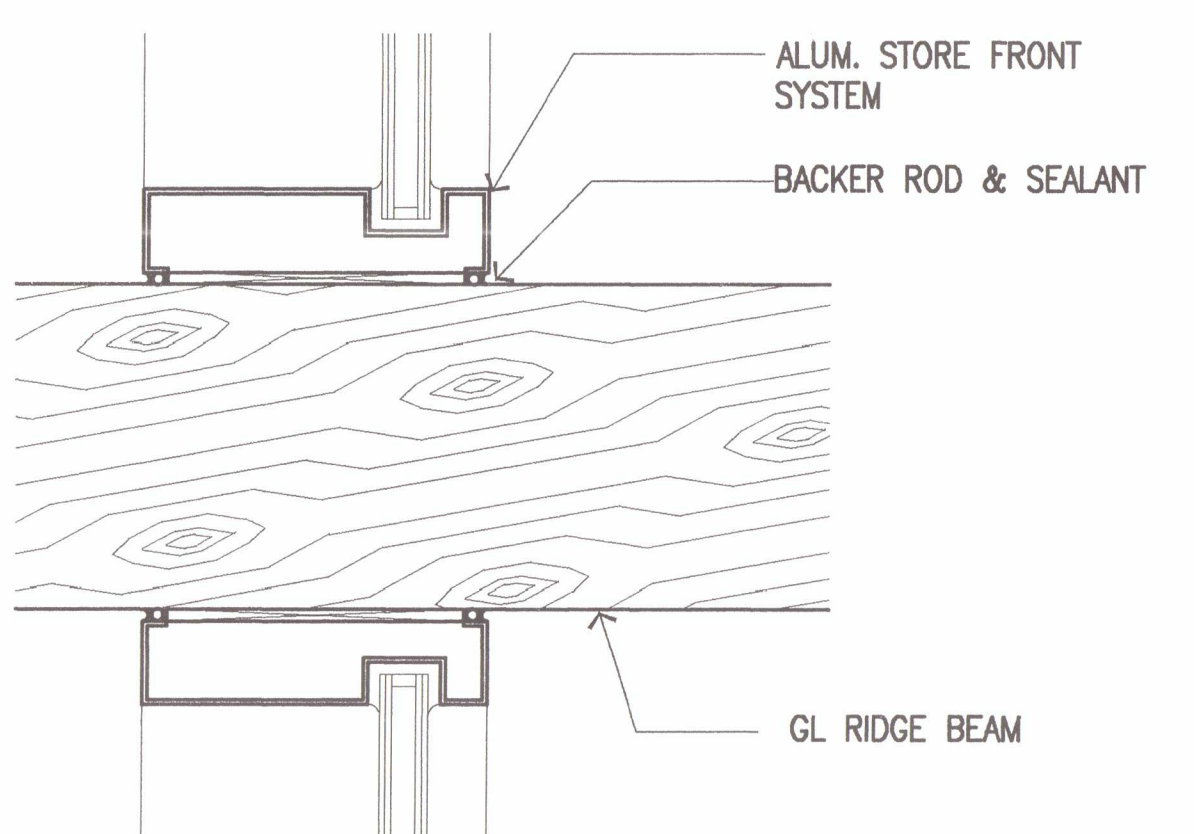
15 Head
 SCALE: 3"=1'-0"



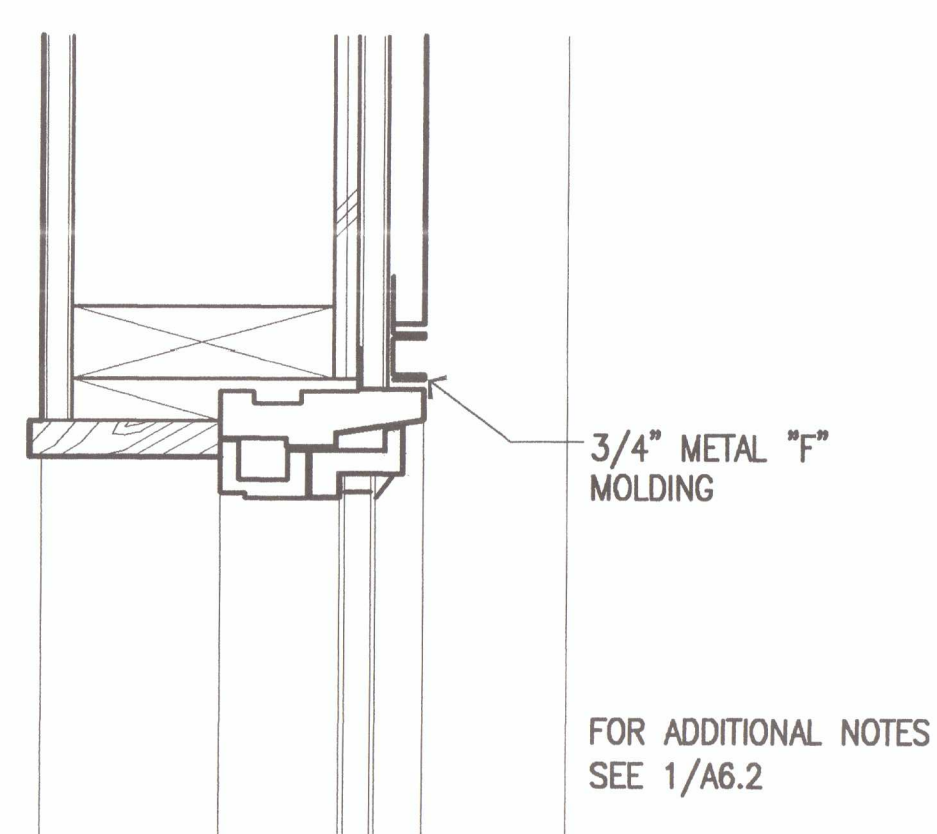
10 Head
 SCALE: 3"=1'-0"



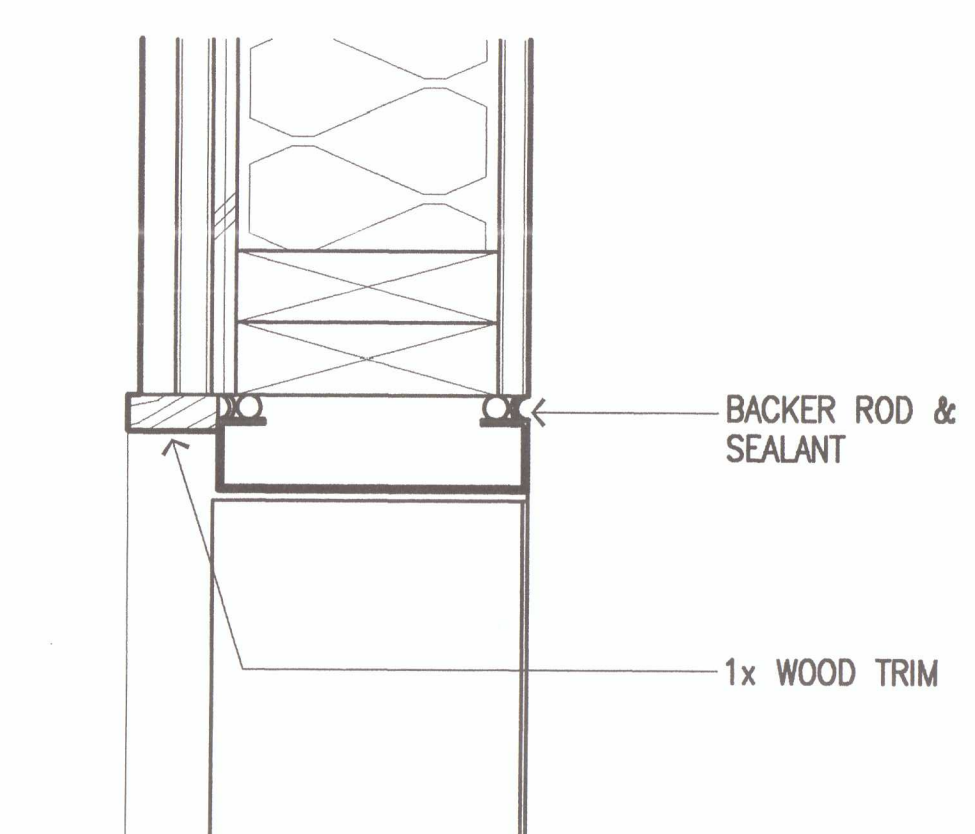
5 Jamb
 SCALE: 3"=1'-0"



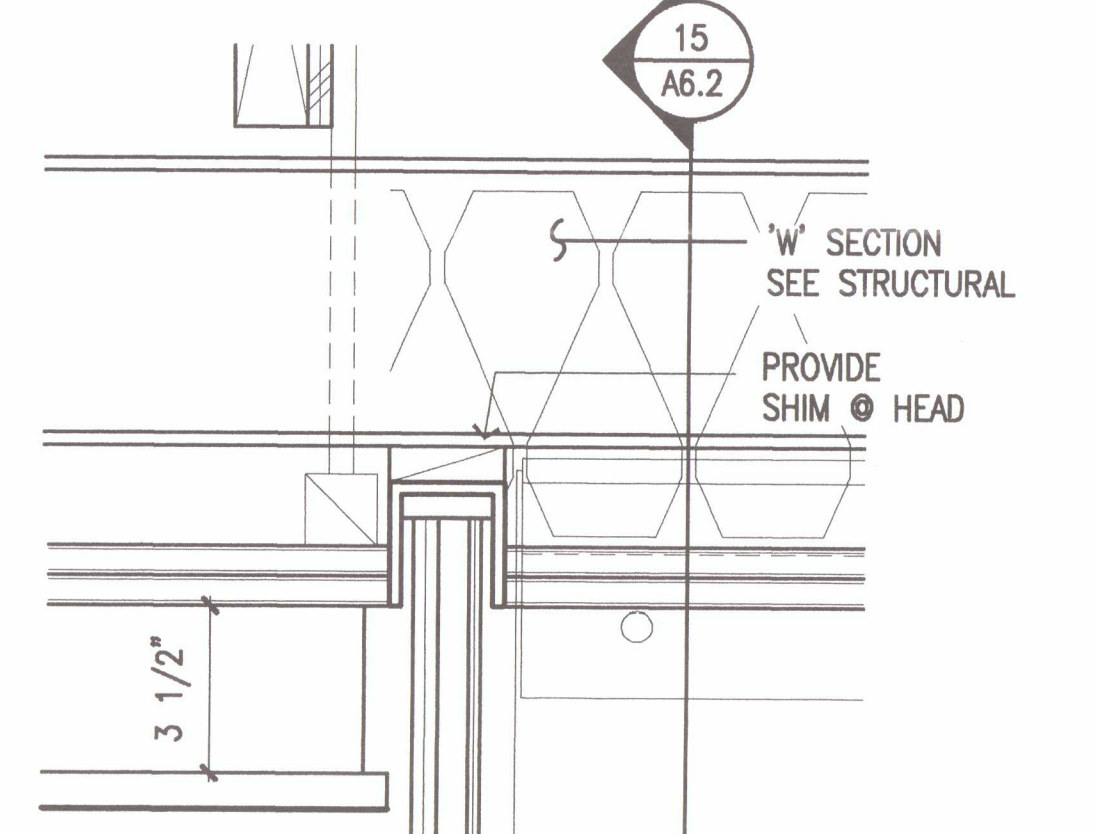
29 Jamb
 SCALE: 3"=1'-0"



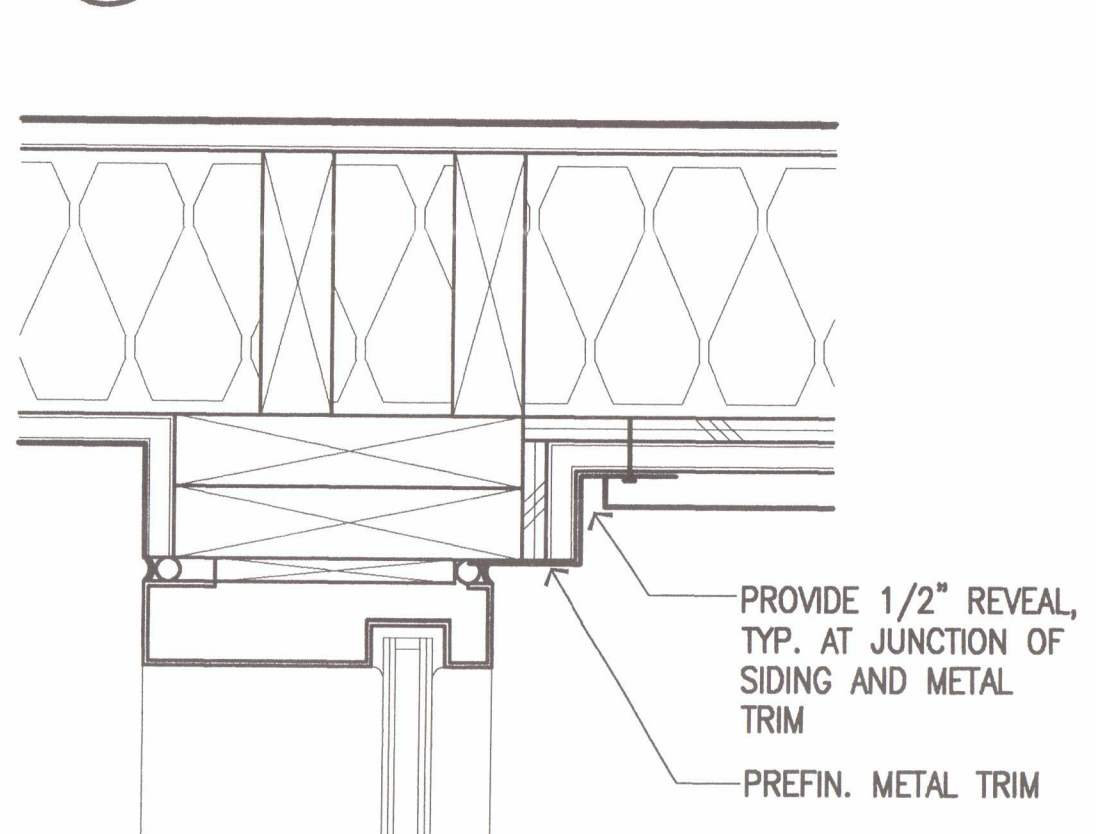
24 Jamb @ Windows on South Wall
 SCALE: 3"=1'-0"



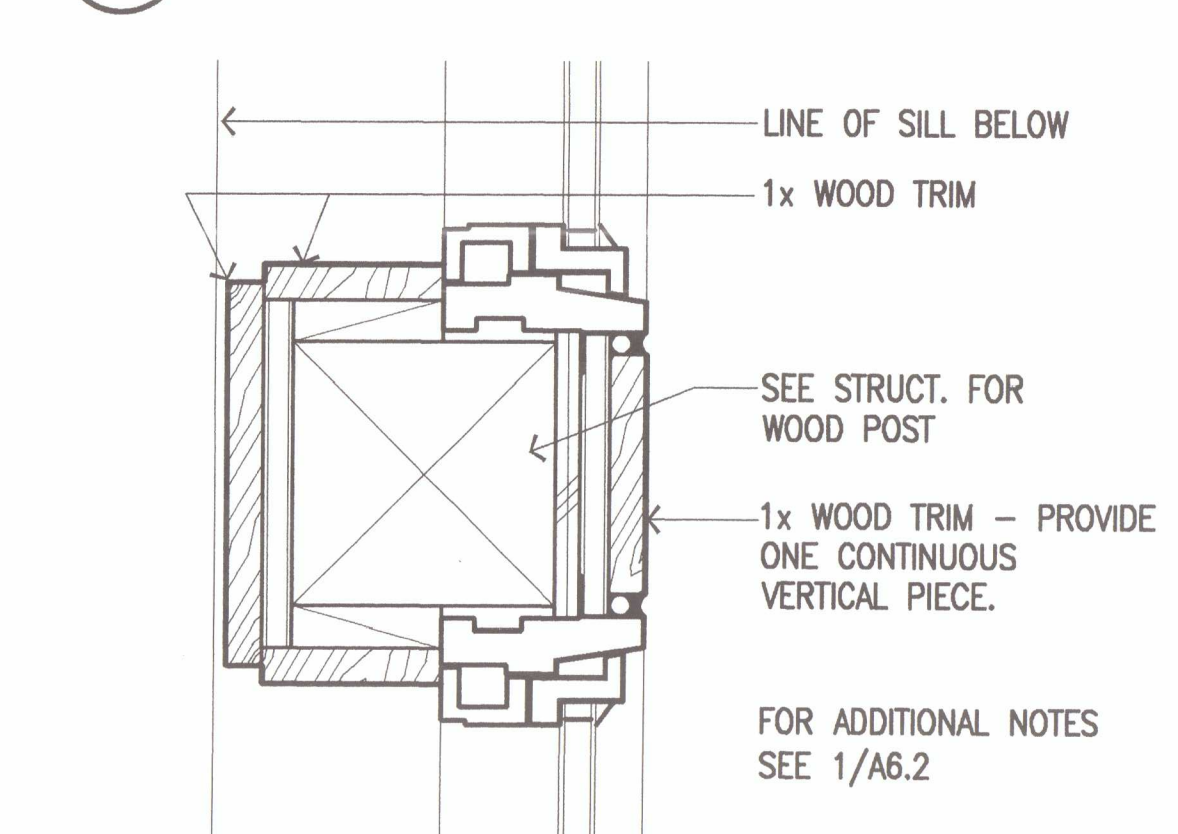
19 Jamb
 SCALE: 3"=1'-0"



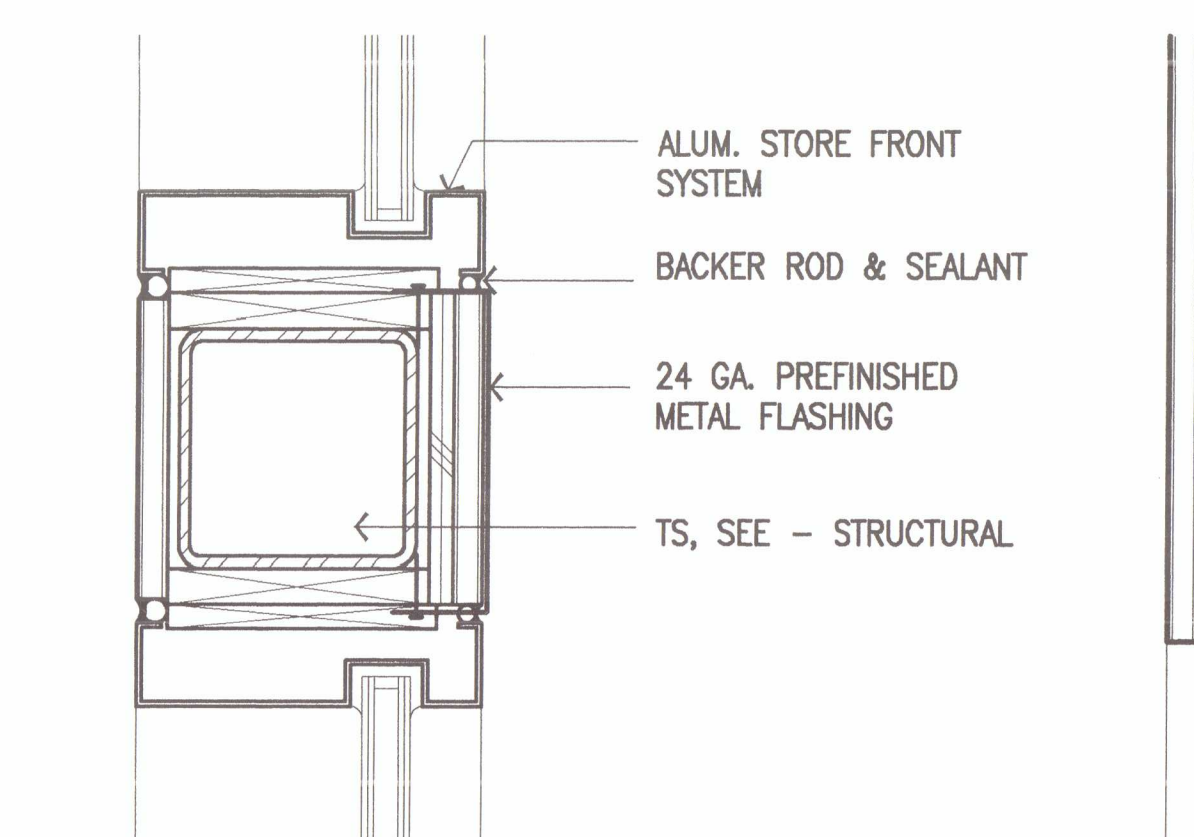
14 Head
 SCALE: 3"=1'-0"



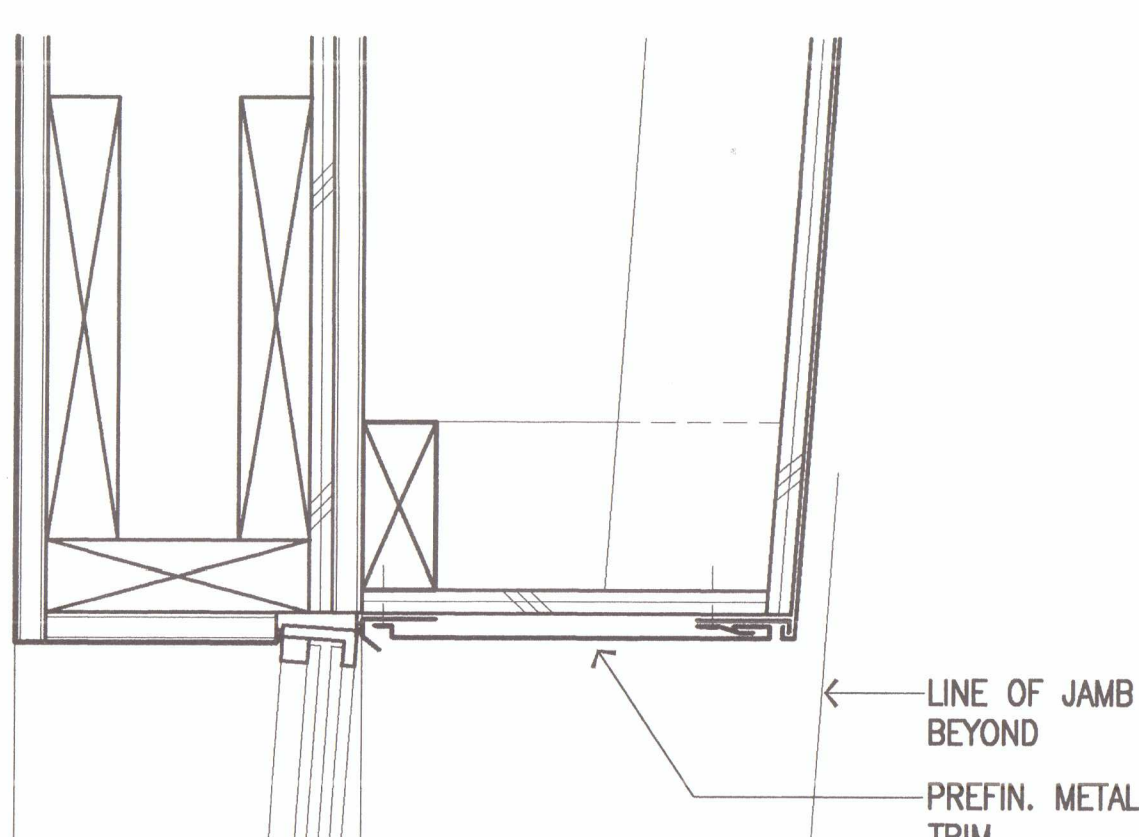
9 Jamb
 SCALE: 3"=1'-0"



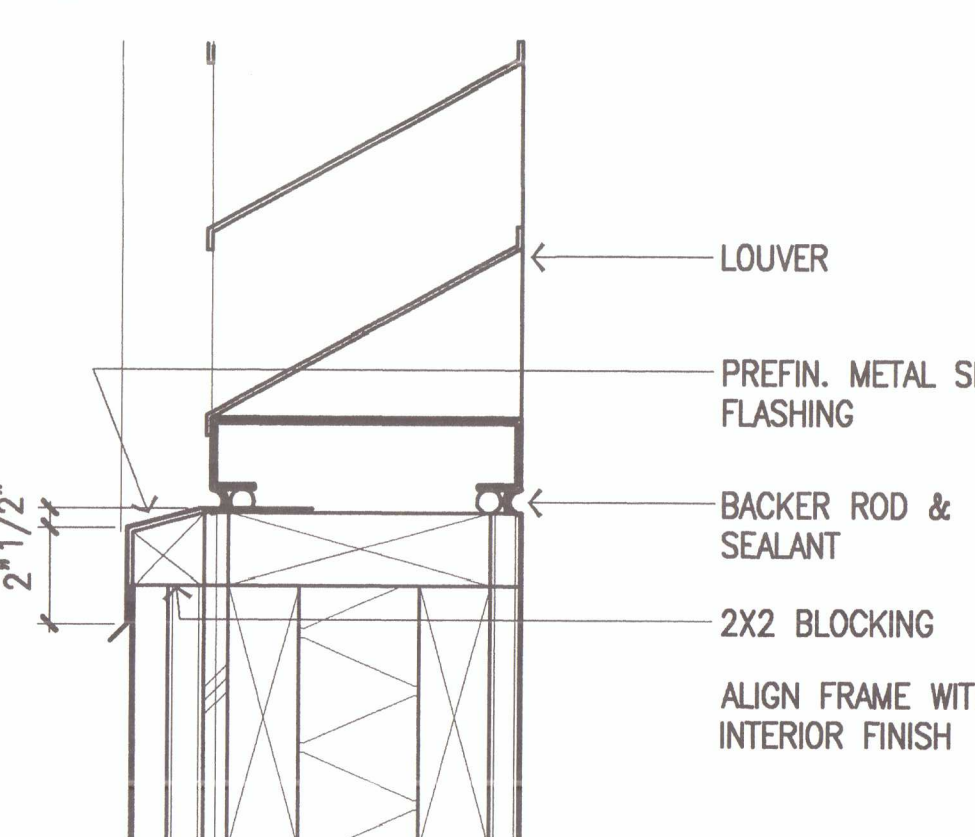
4 Jamb
 SCALE: 3"=1'-0"



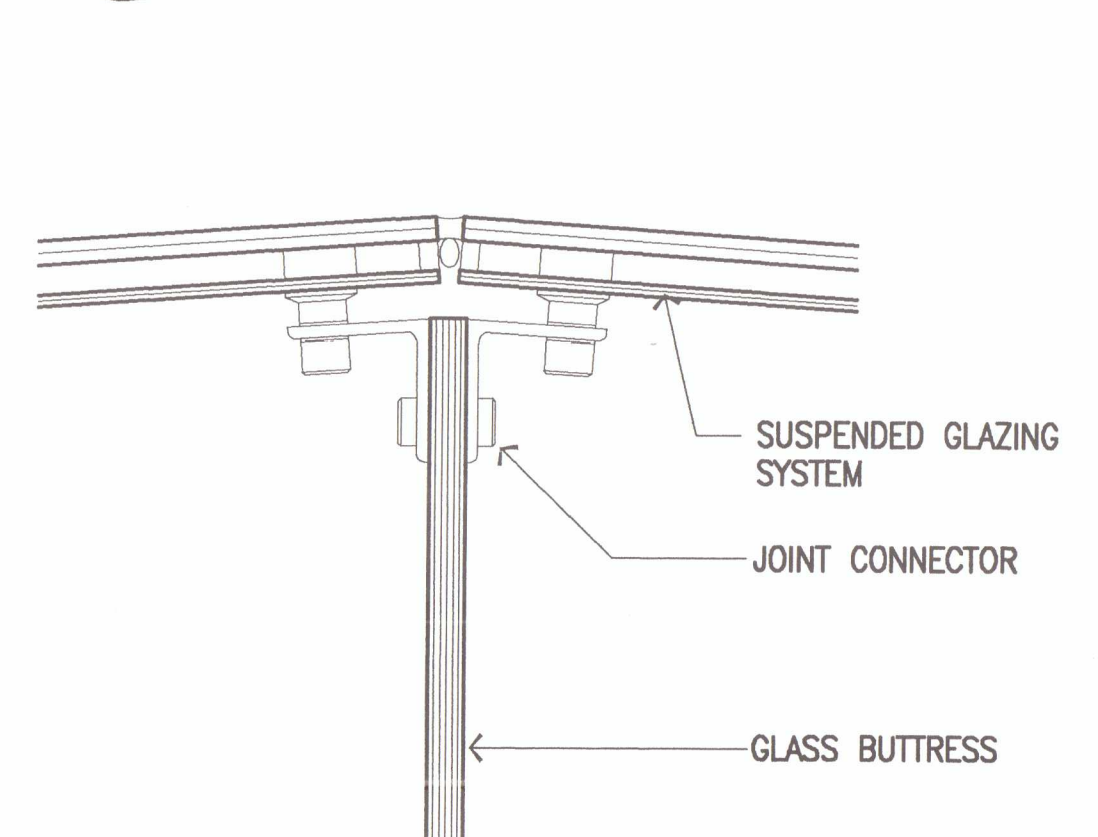
28 Jamb
 SCALE: 3"=1'-0"



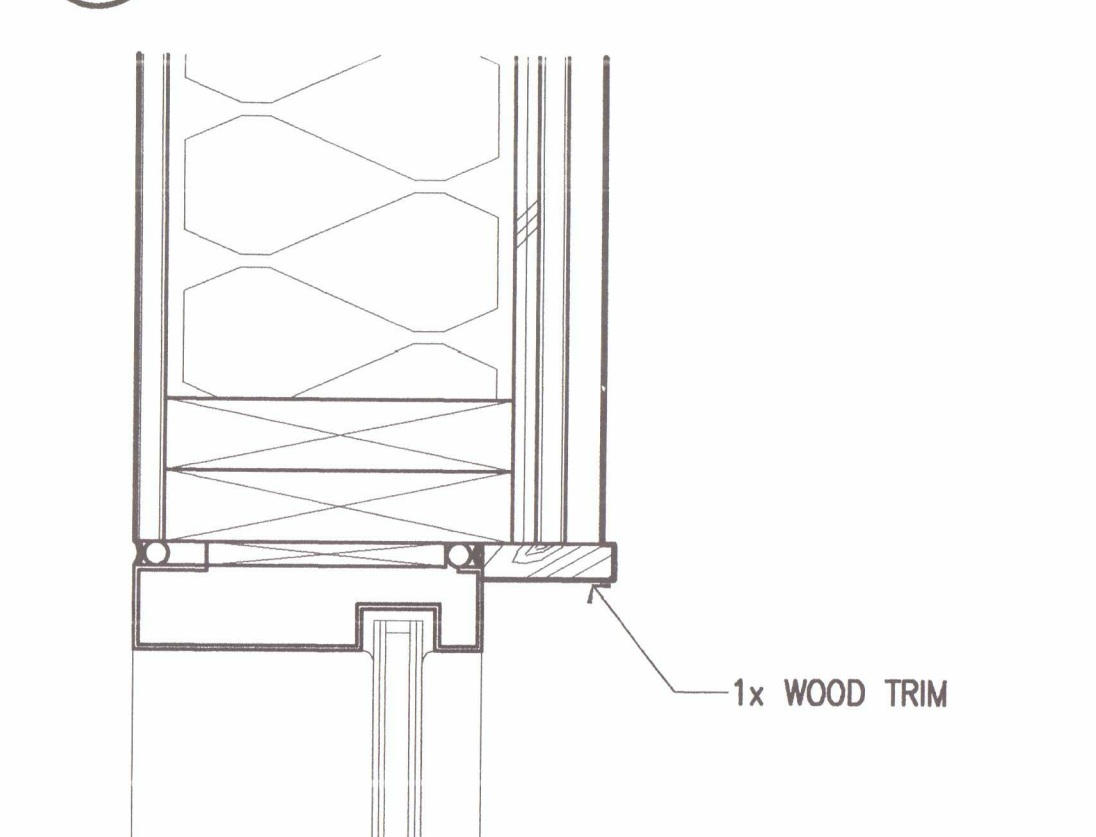
23 Head
 SCALE: 3"=1'-0"



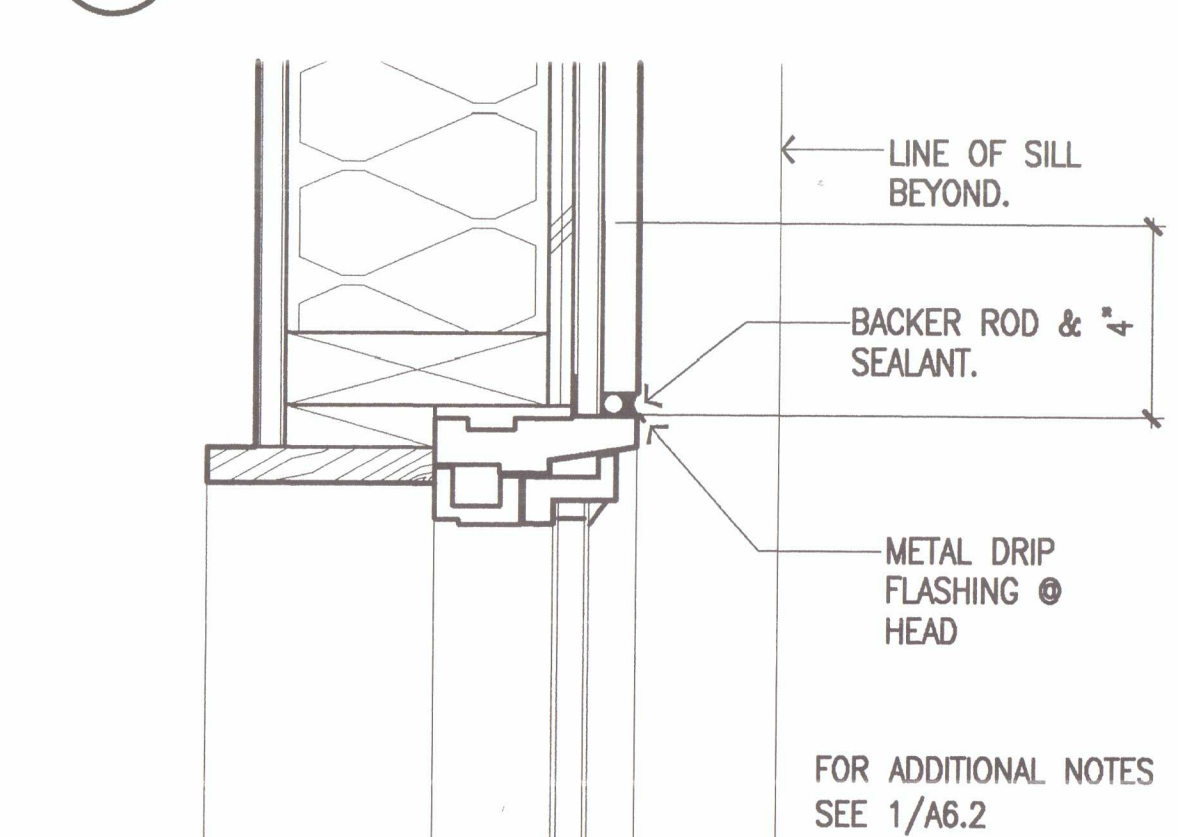
18 Sill
 SCALE: 3"=1'-0"



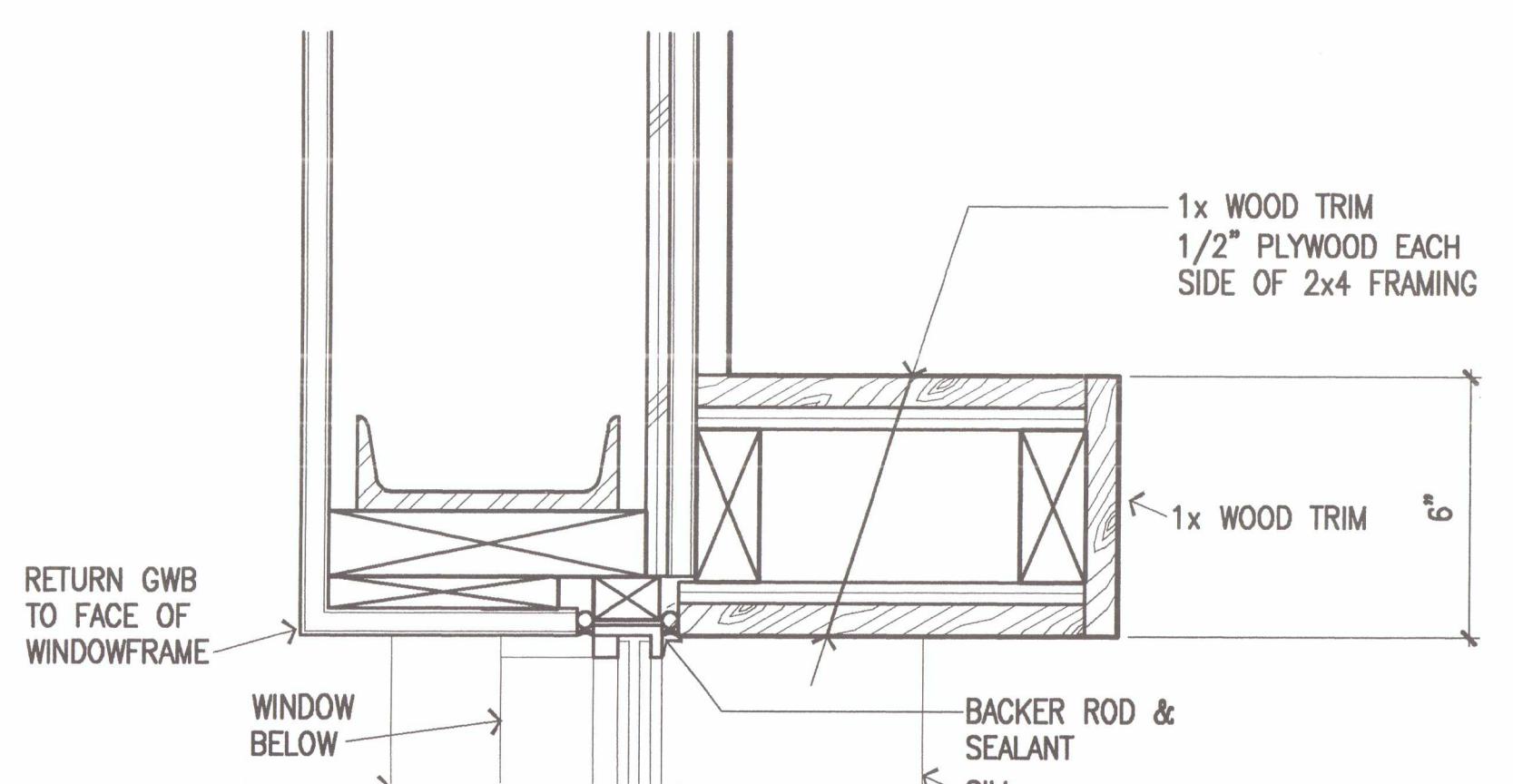
13 Jamb
 SCALE: 3"=1'-0"



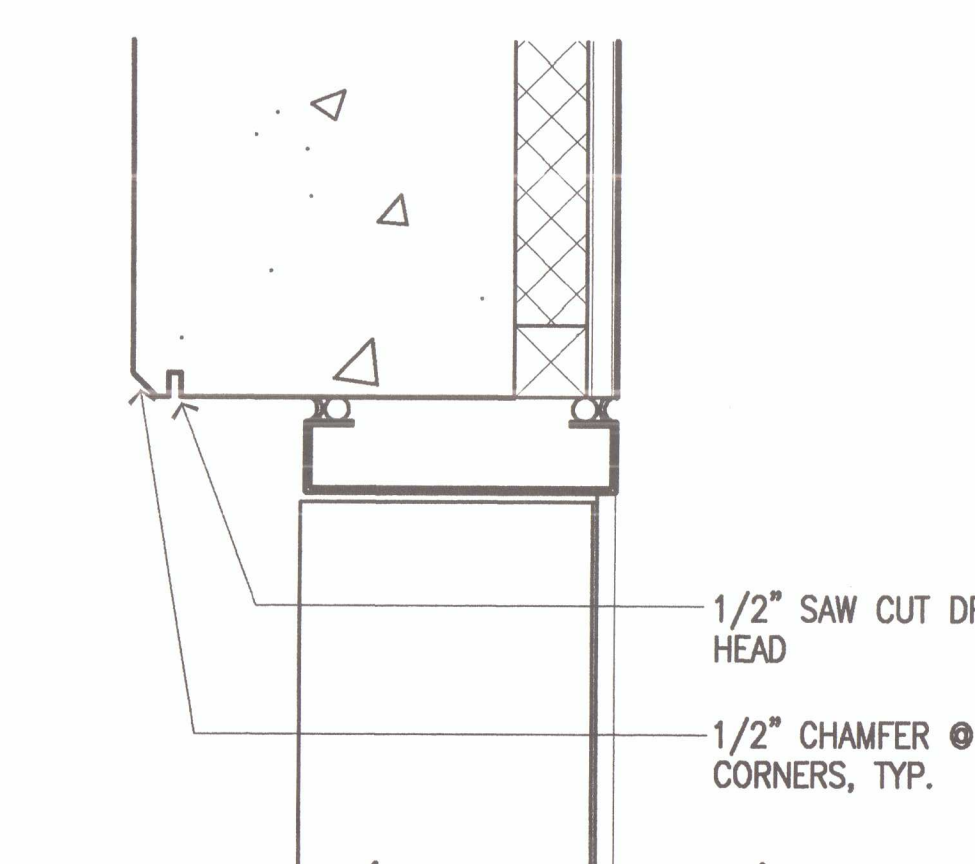
8 Jamb
 SCALE: 3"=1'-0"



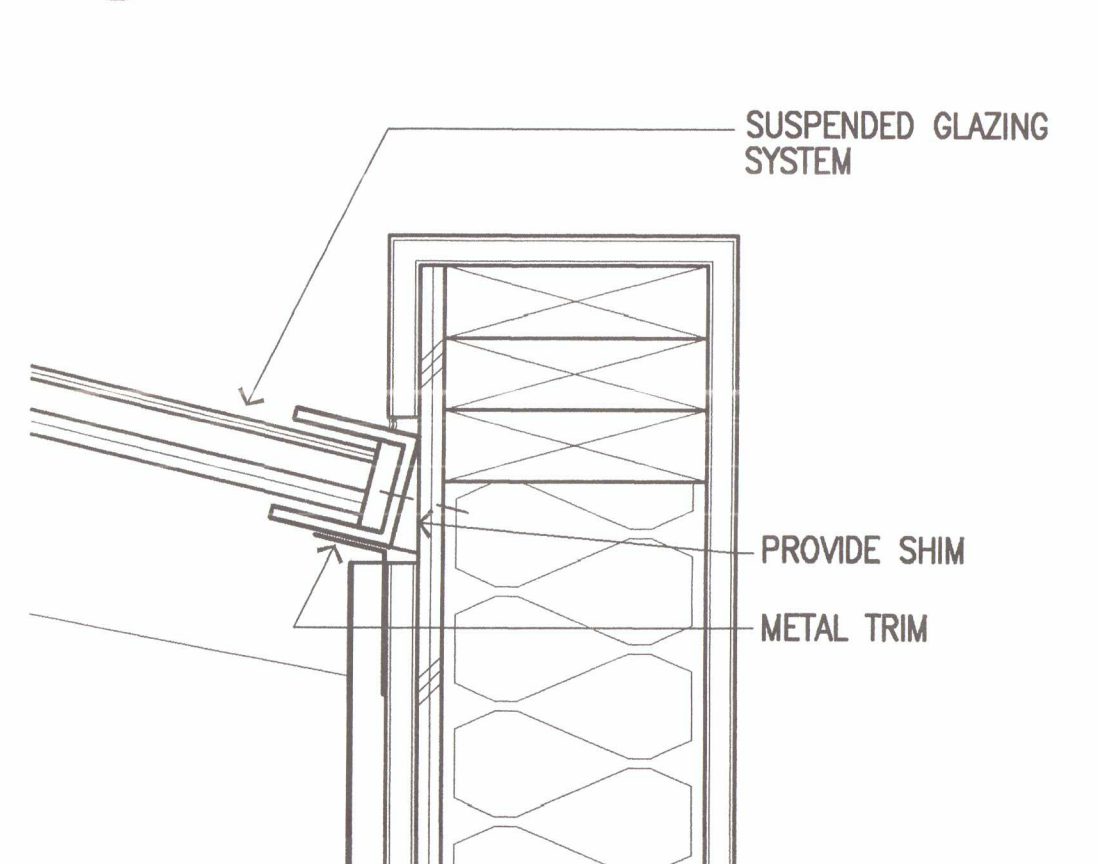
3 Jamb (Head similar)
 SCALE: 3"=1'-0"



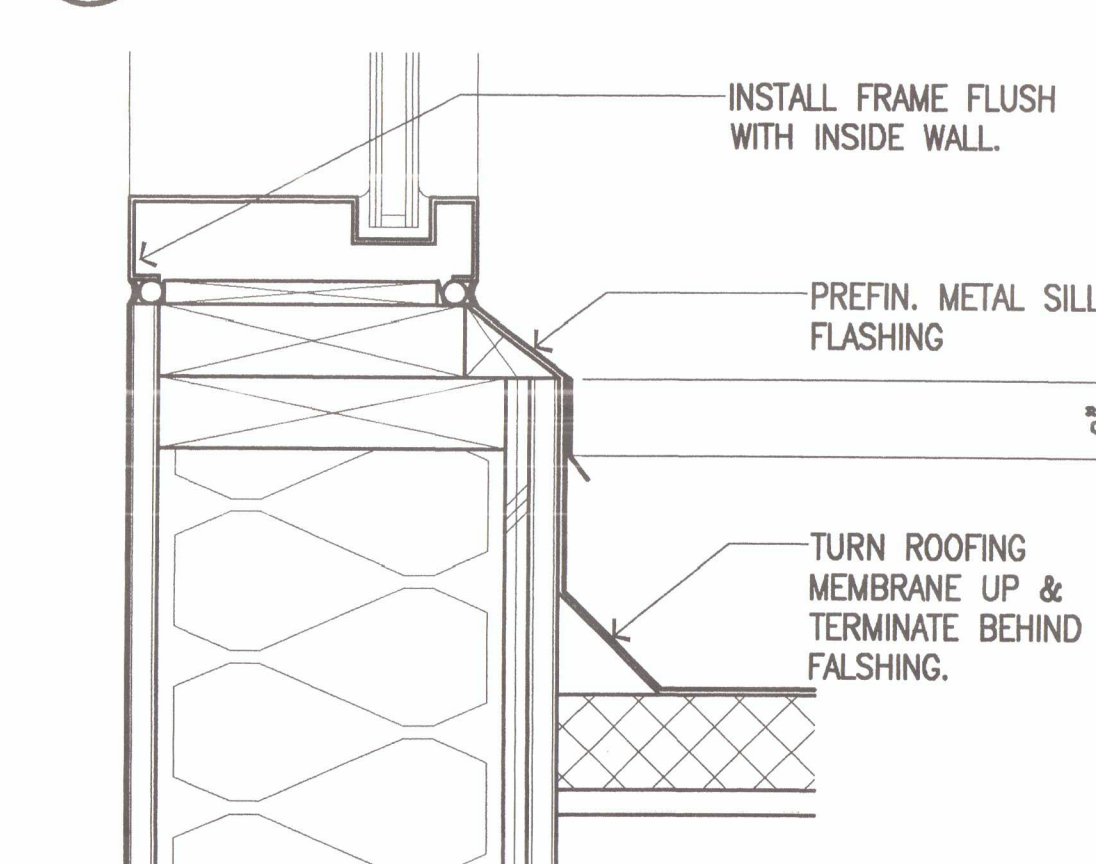
22 Jamb
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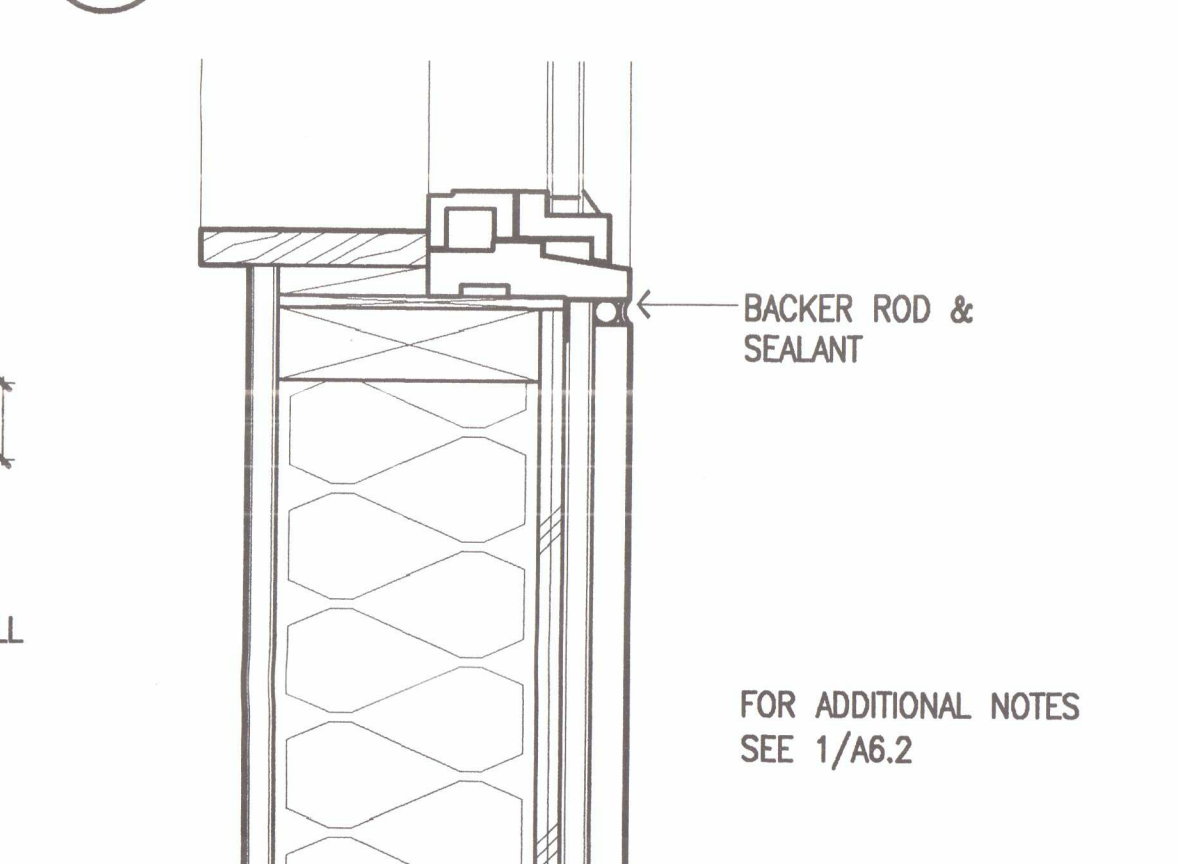
17 Jamb (Head Similar)
 SCALE: 3"=1'-0"



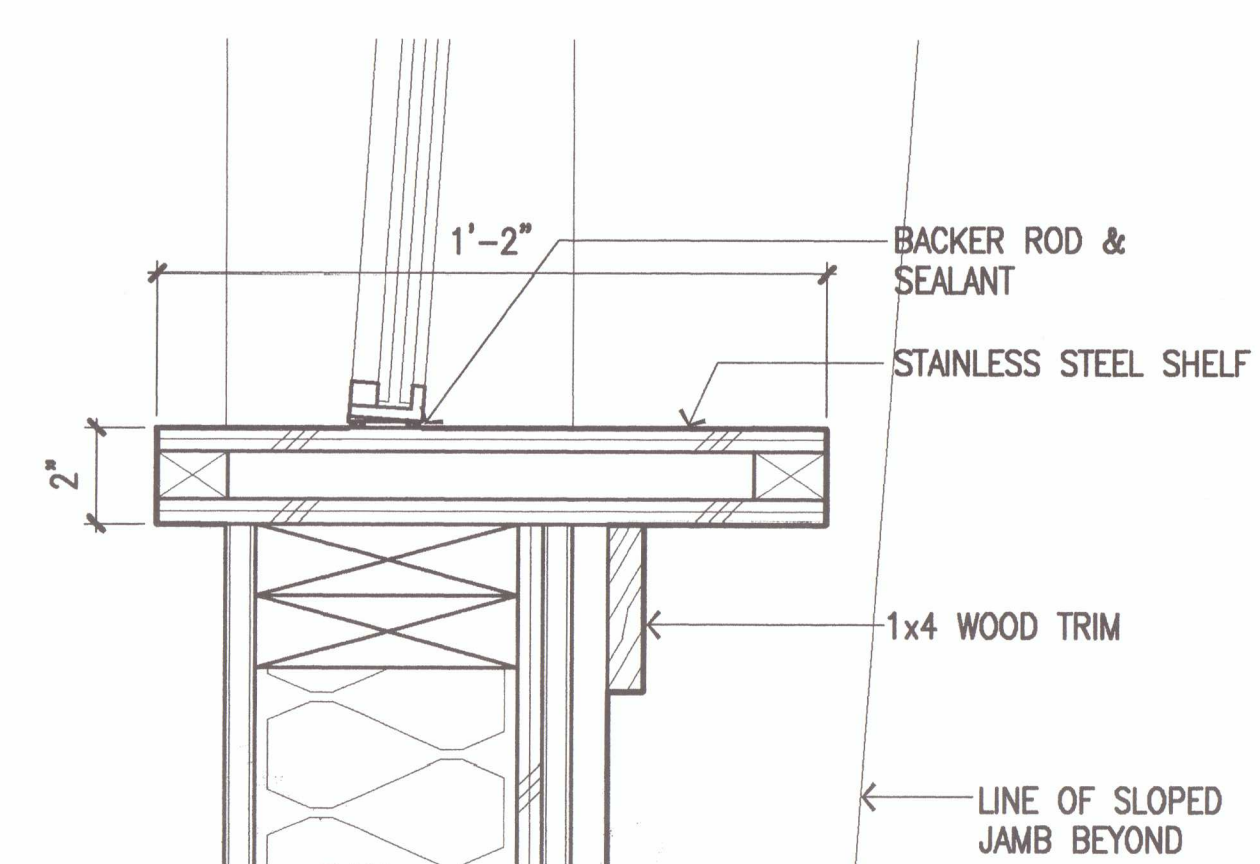
12 Jamb
 SCALE: 3"=1'-0"



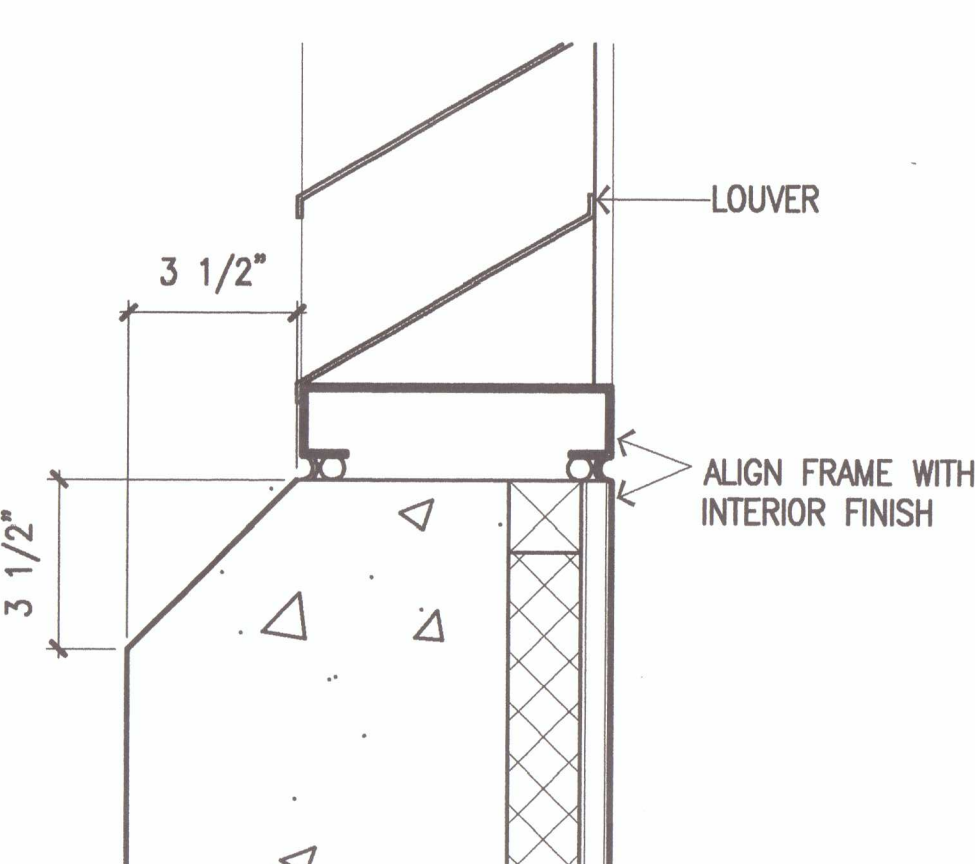
7 Sill
 SCALE: 3"=1'-0"



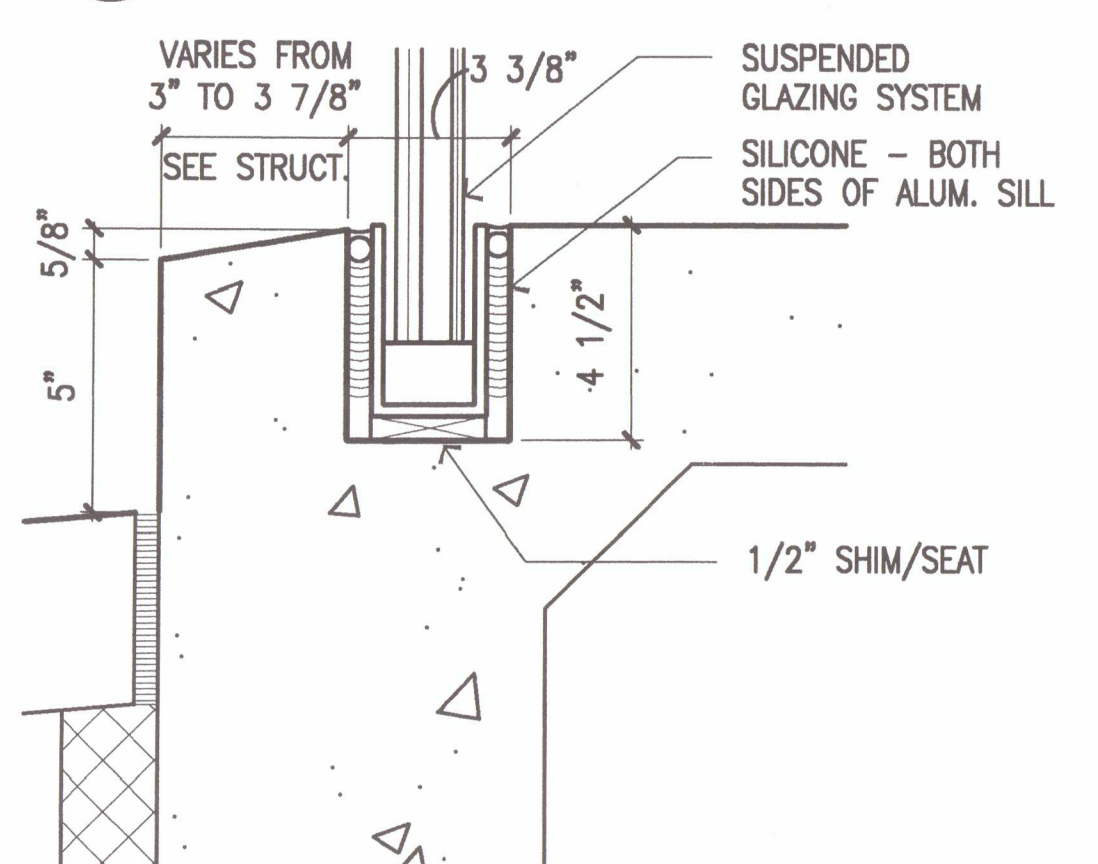
2 Sill
 SCALE: 3"=1'-0"



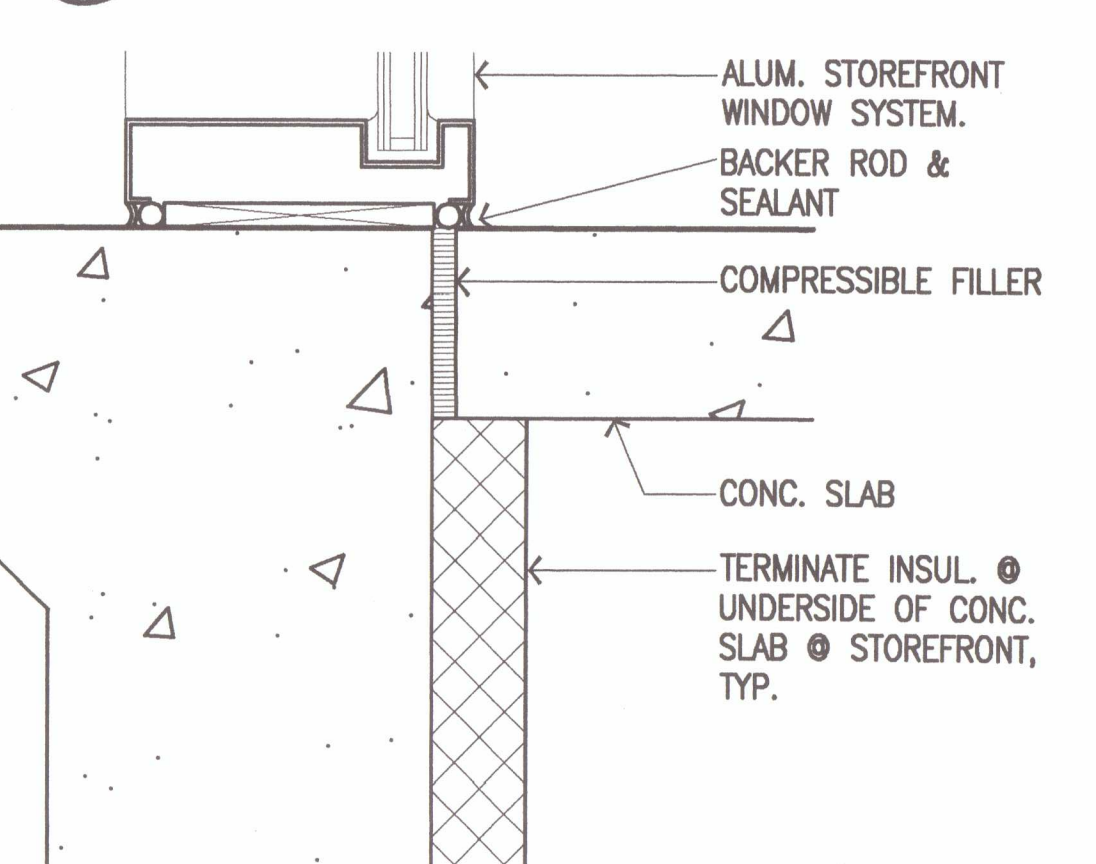
21 Sill
 SCALE: 3"=1'-0"



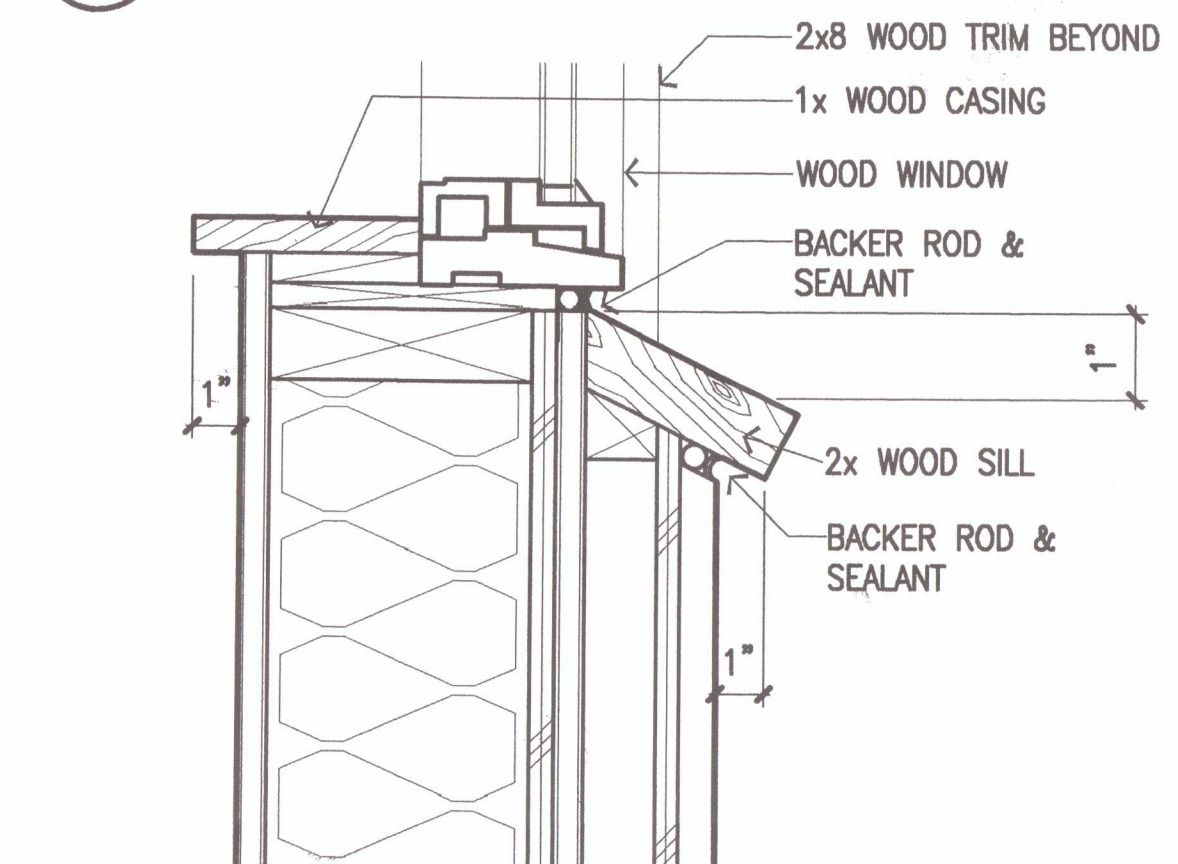
16 Sill
 SCALE: 3"=1'-0"



11 Sill
 SCALE: 3"=1'-0"

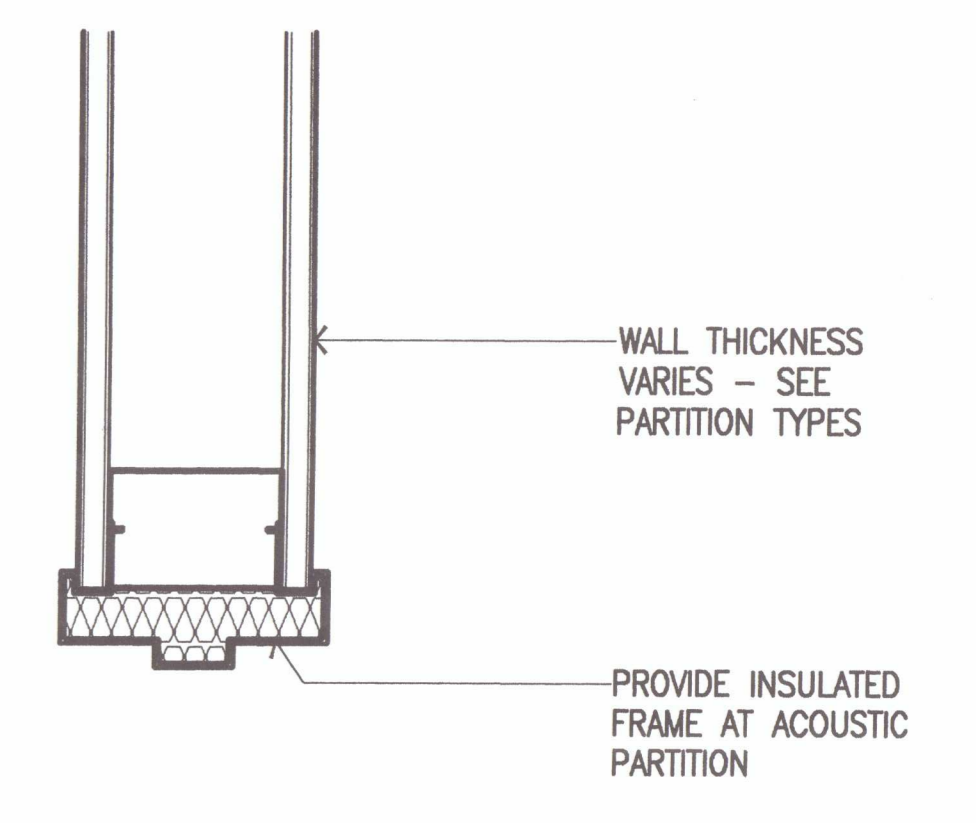


6 Sill
 SCALE: 3"=1'-0"

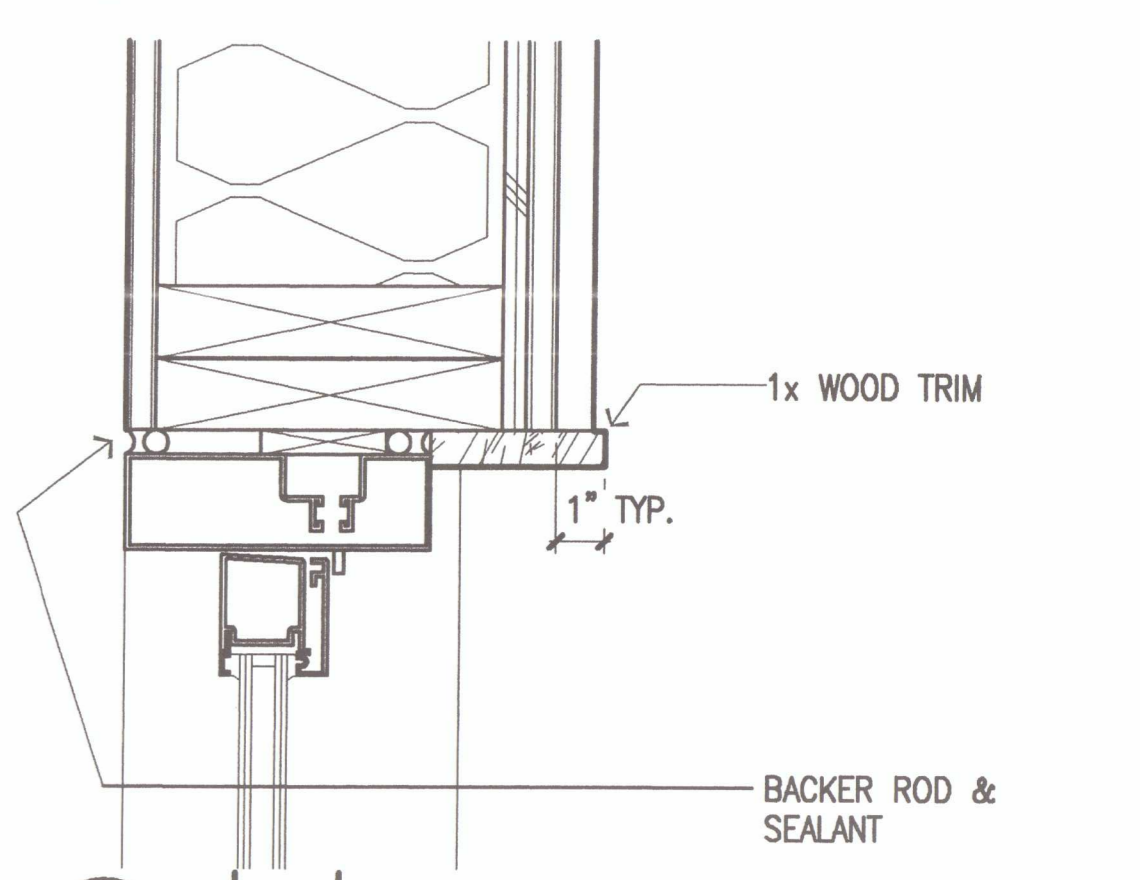


1 Sill
 SCALE: 3"=1'-0"

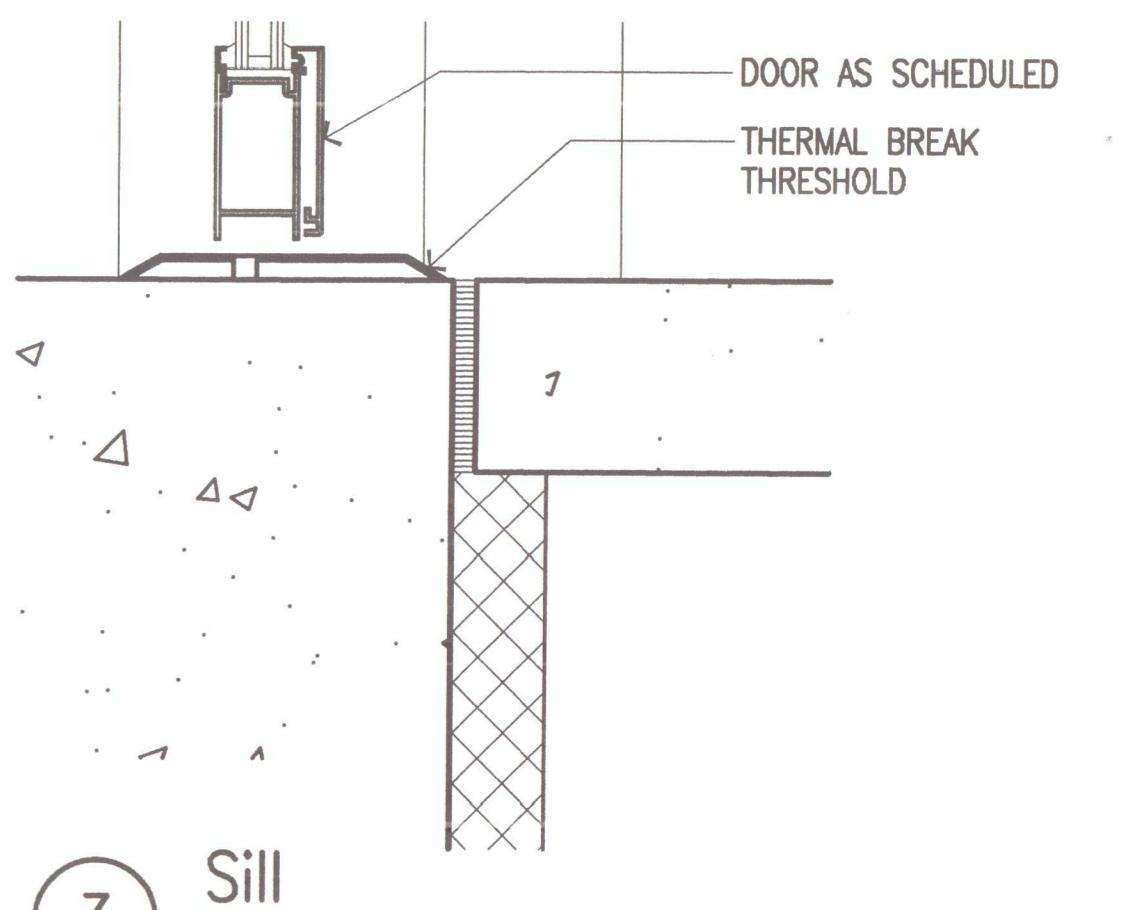
95023 Phase 2.dwg MLT-2.dwg Thu Apr 16 10:44:16 1998



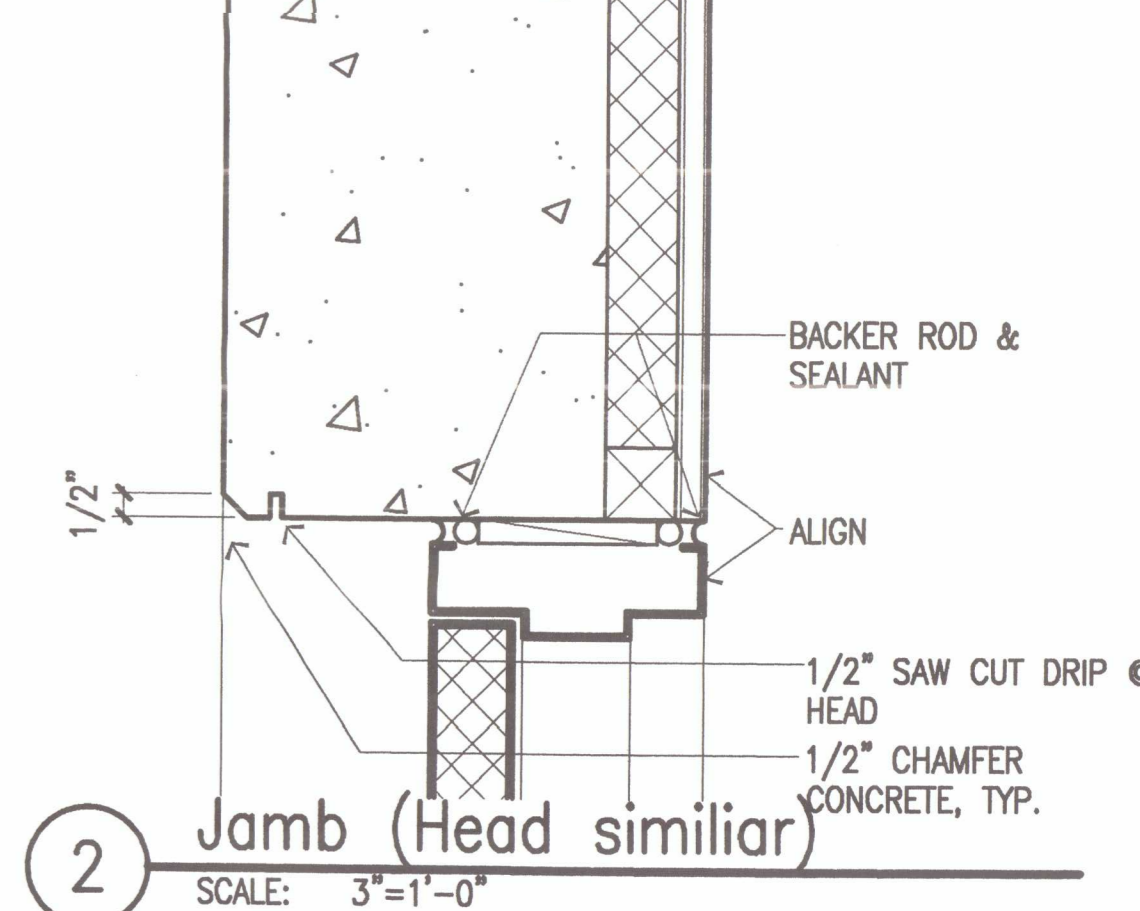
5 Jamb (Head sim.)
 SCALE: 3"=1'-0"



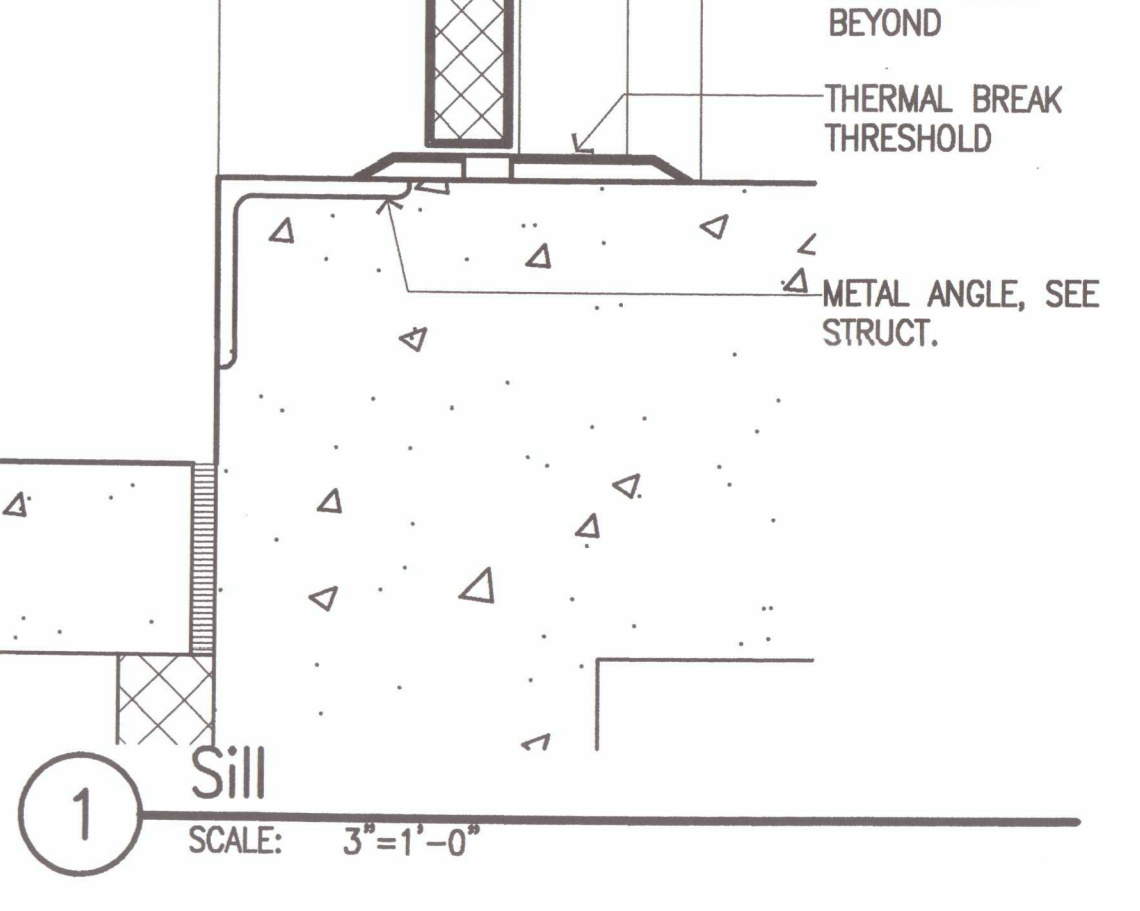
4 Jamb
 SCALE: 3"=1'-0"



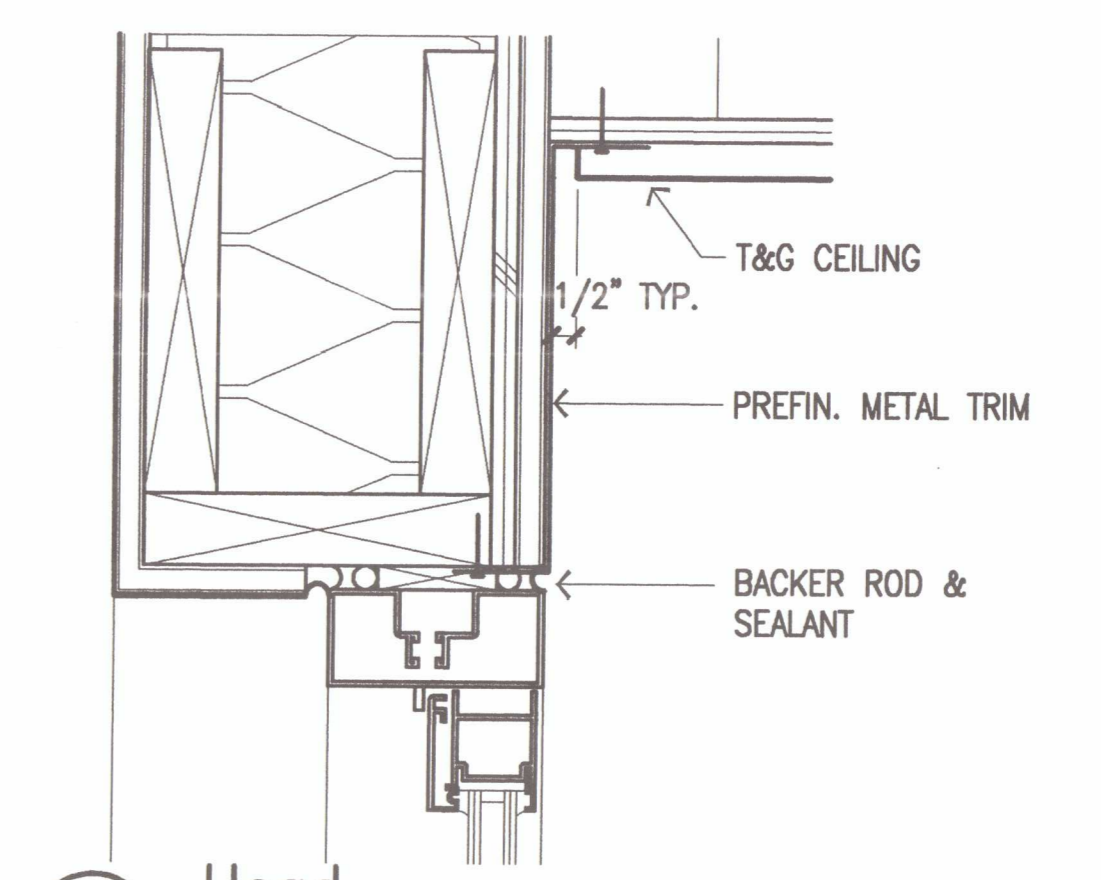
3 Sill
 SCALE: 3"=1'-0"



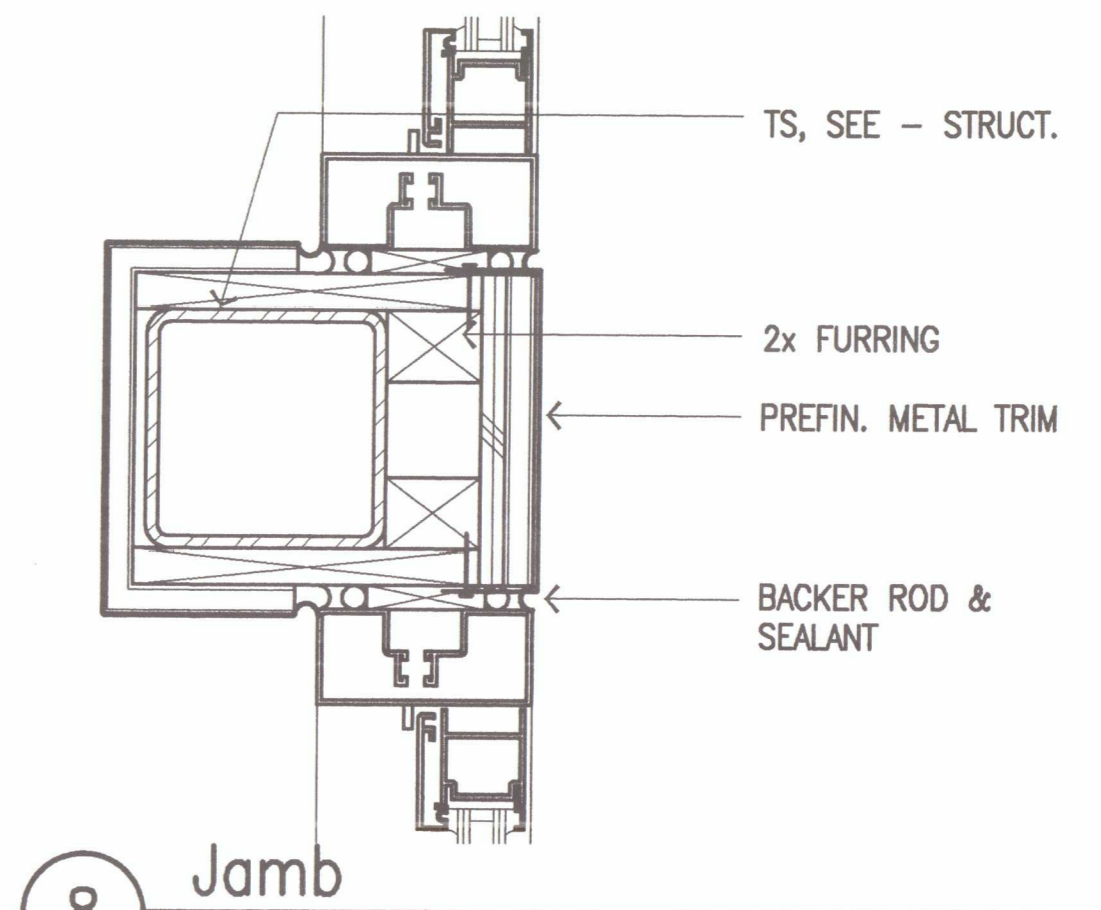
2 Jamb (Head similar)
 SCALE: 3"=1'-0"



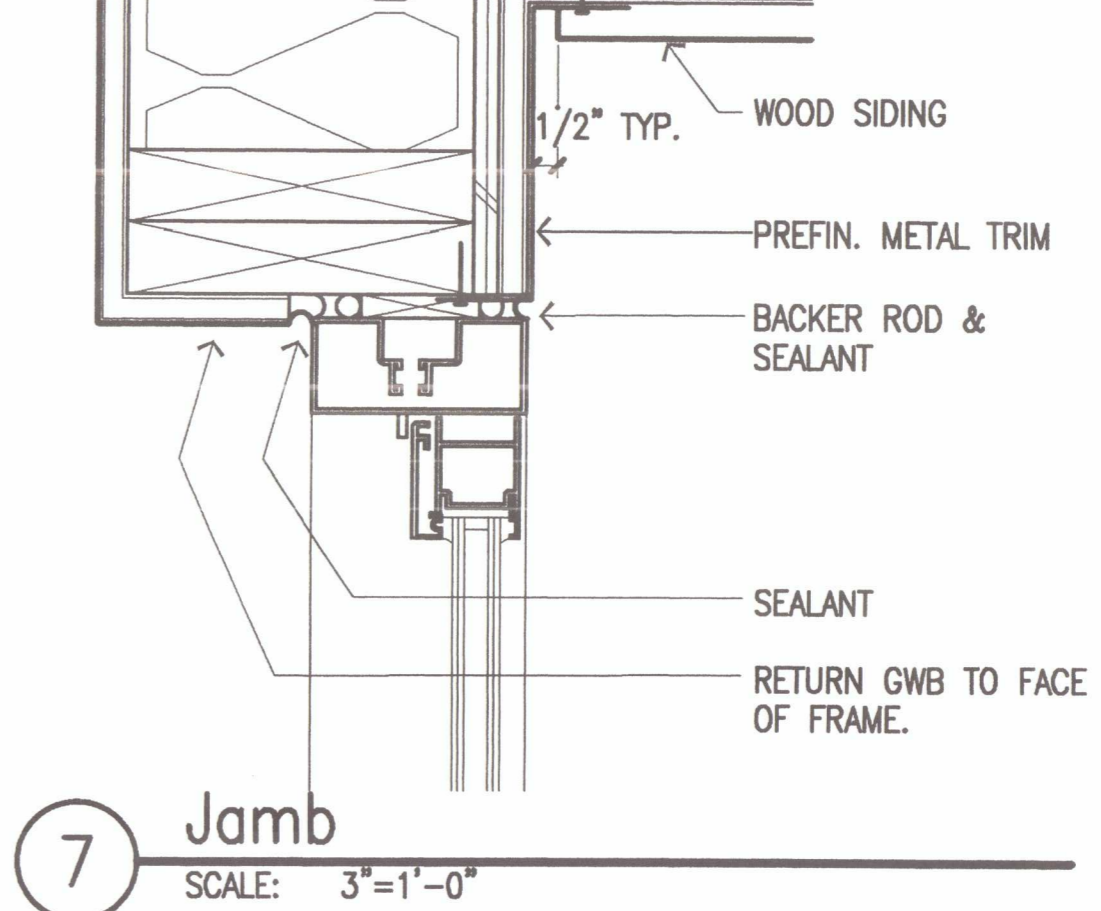
1 Sill
 SCALE: 3"=1'-0"



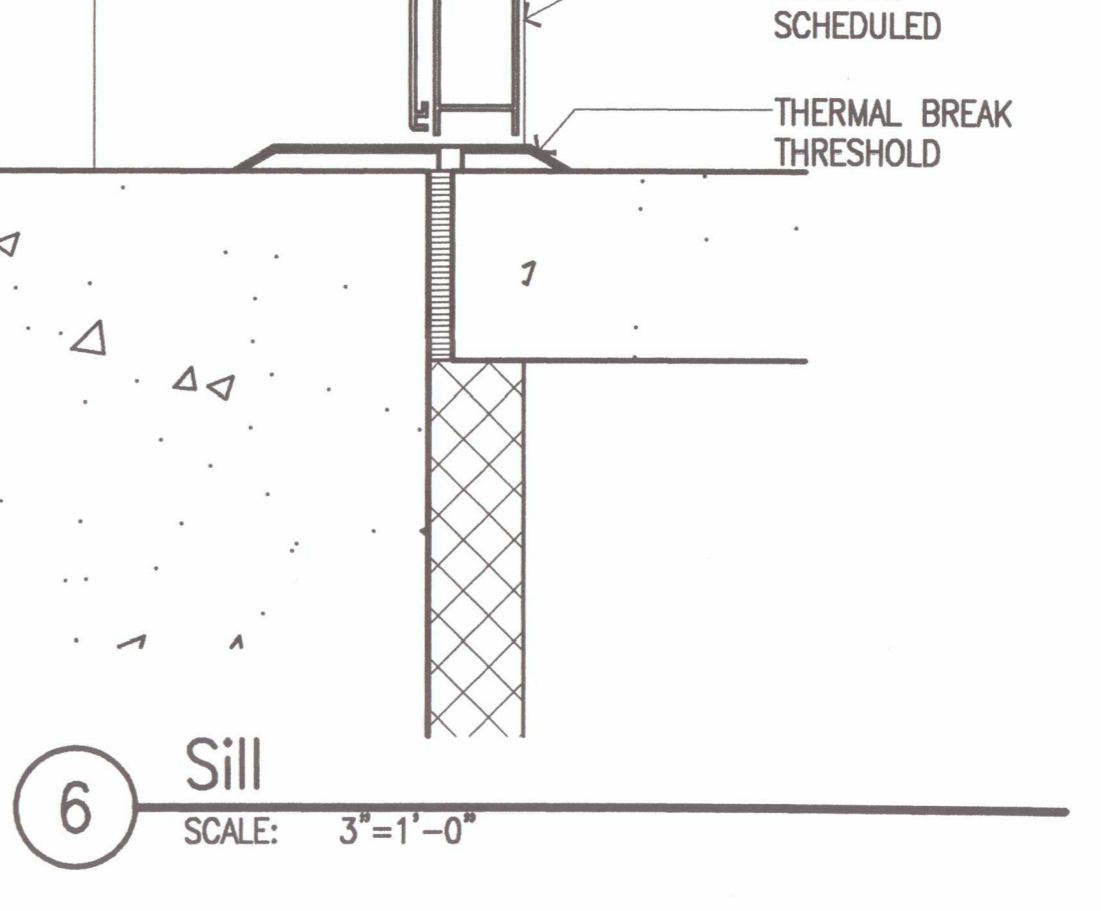
9 Head
 SCALE: 3"=1'-0"



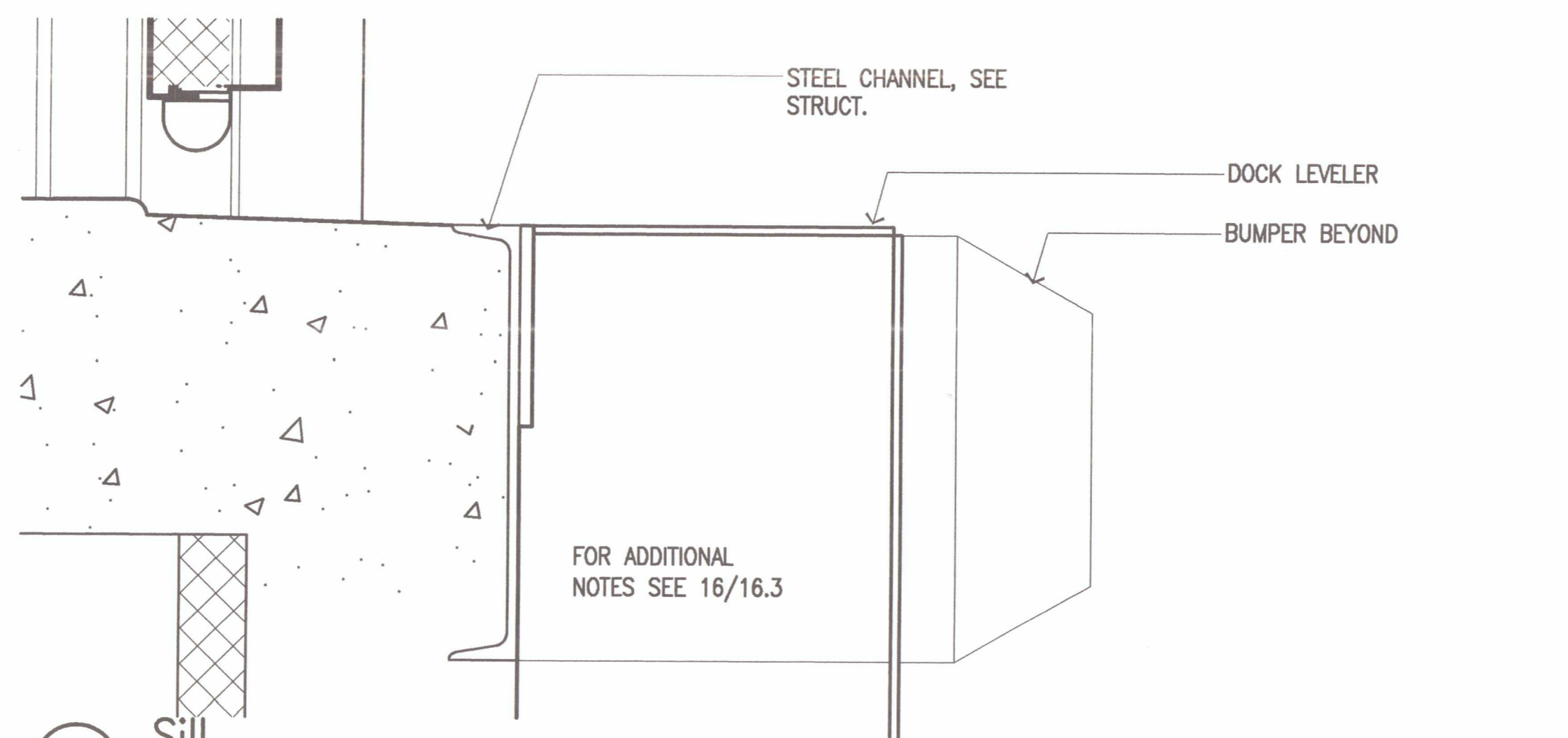
8 Jamb
 SCALE: 3"=1'-0"



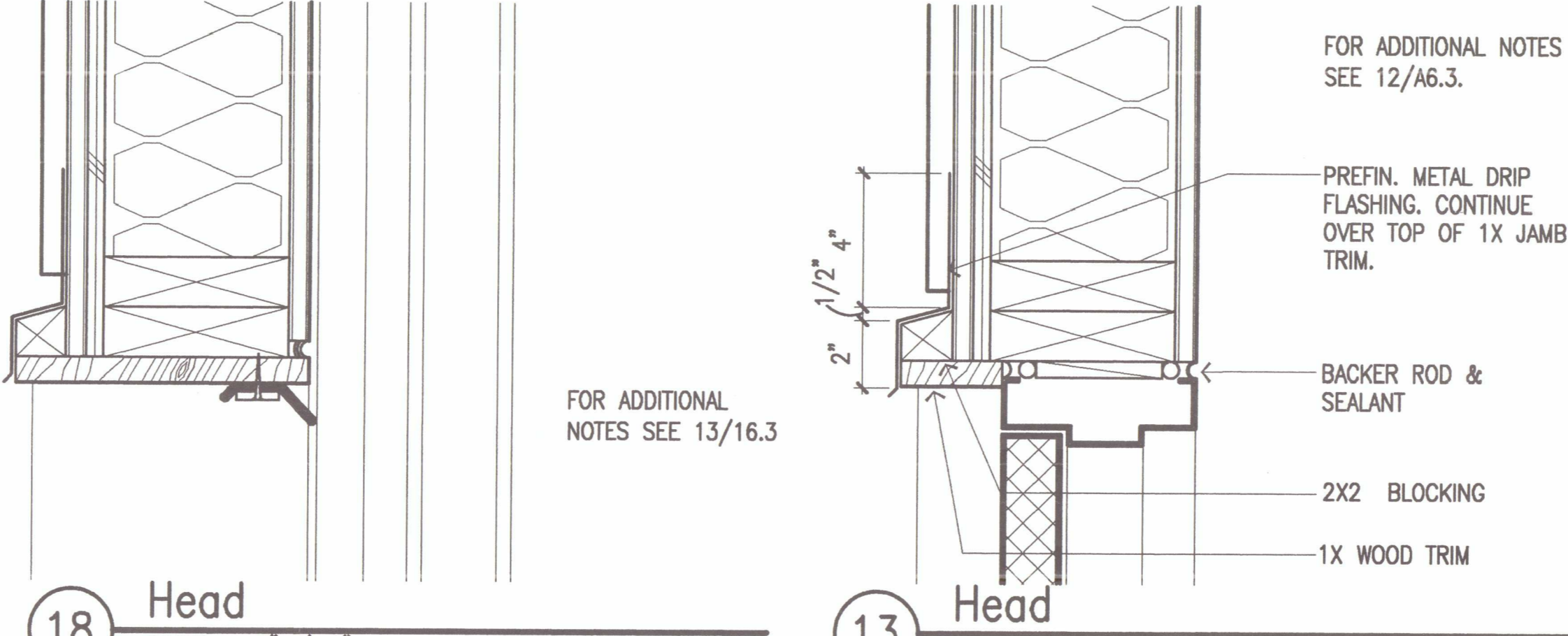
7 Jamb
 SCALE: 3"=1'-0"



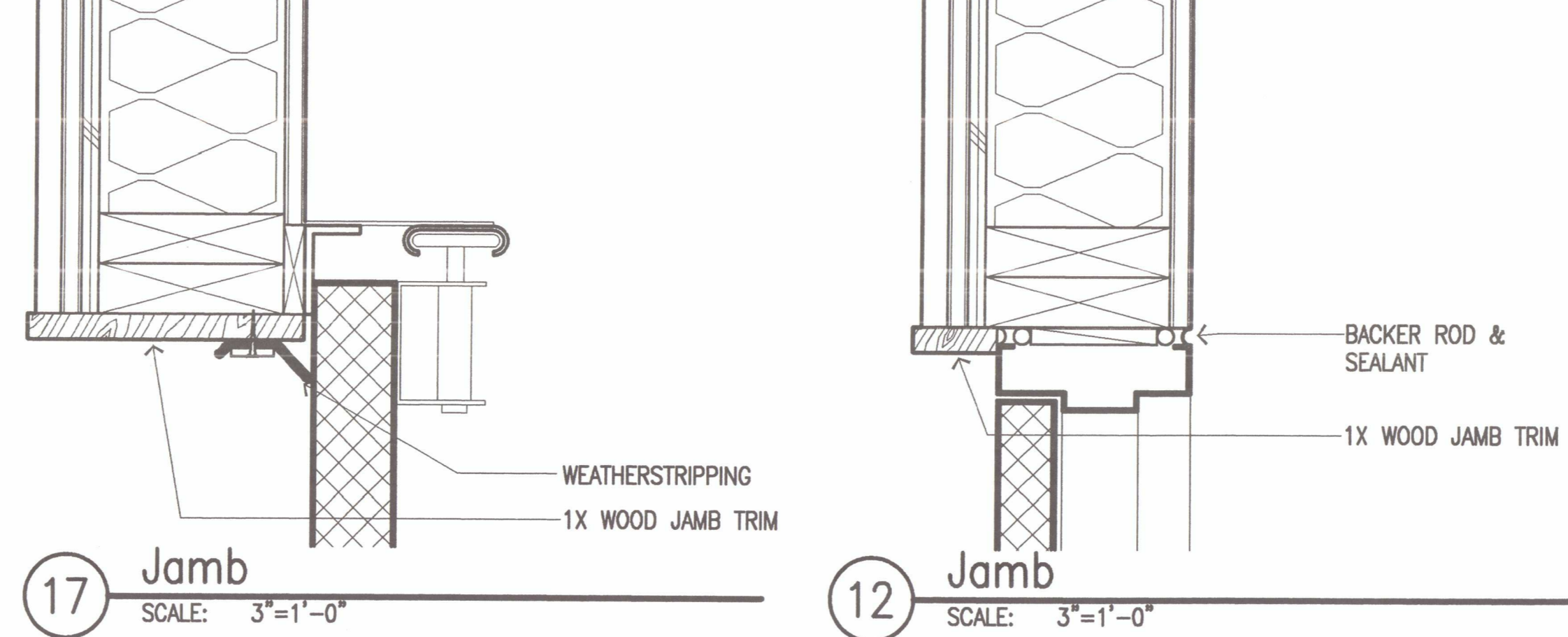
6 Sill
 SCALE: 3"=1'-0"



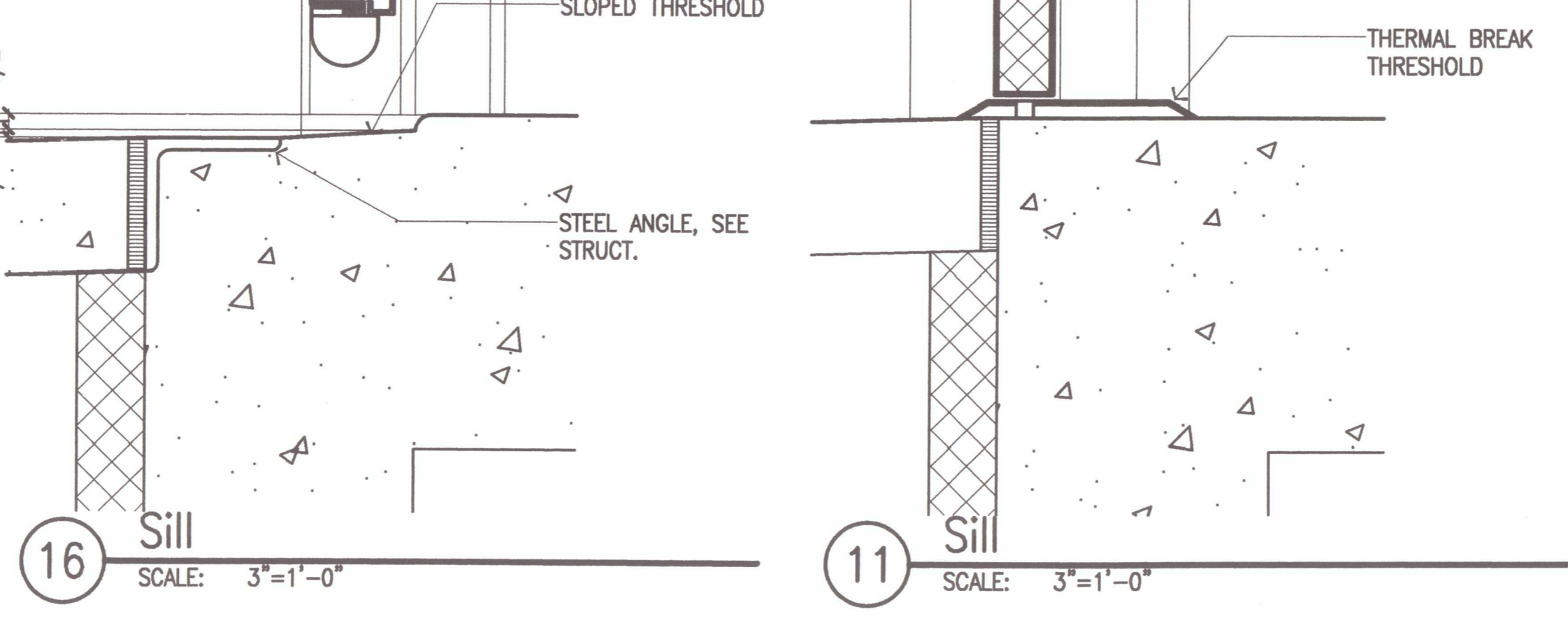
19 Sill
 SCALE: 3"=1'-0"



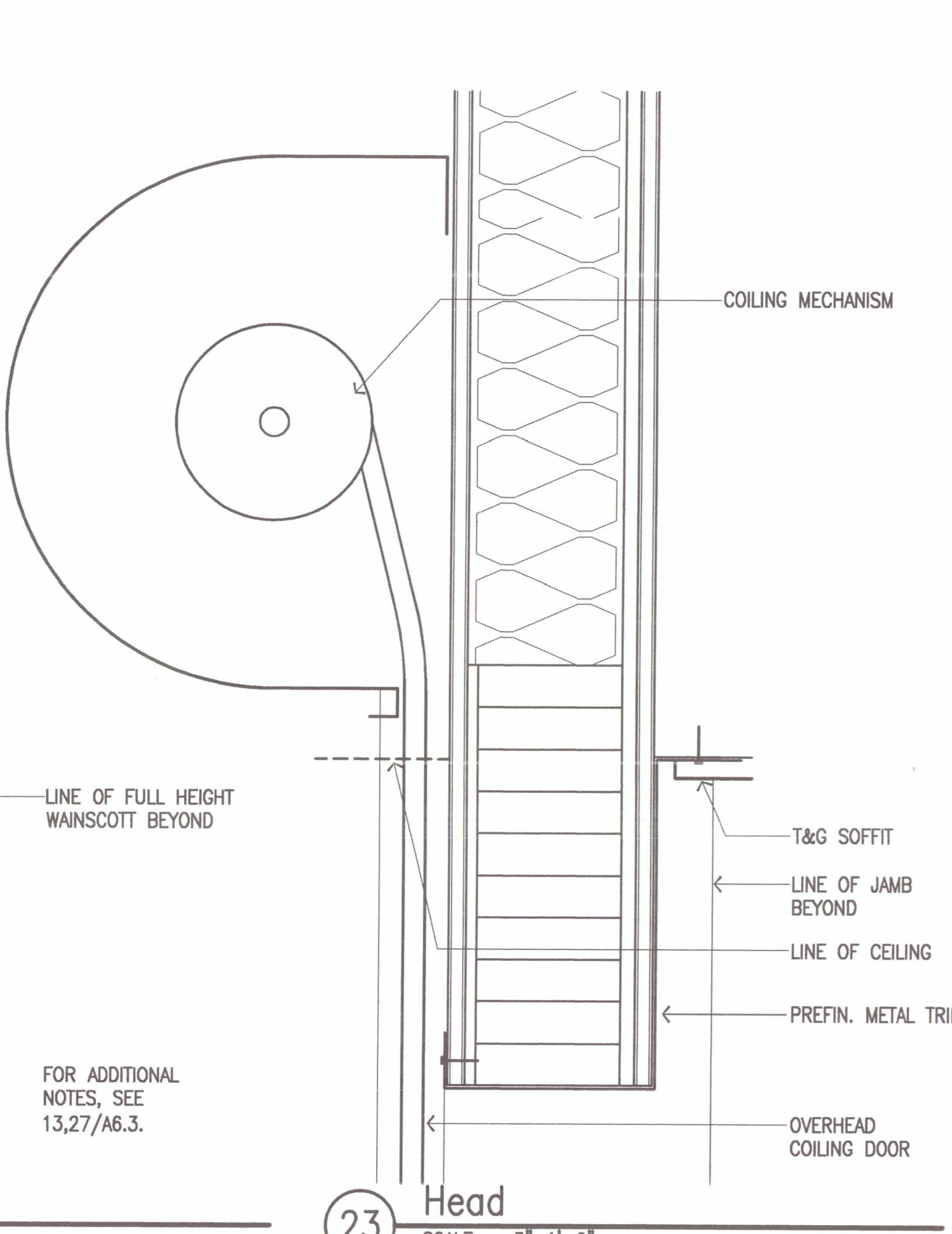
13 Head
 SCALE: 3"=1'-0"



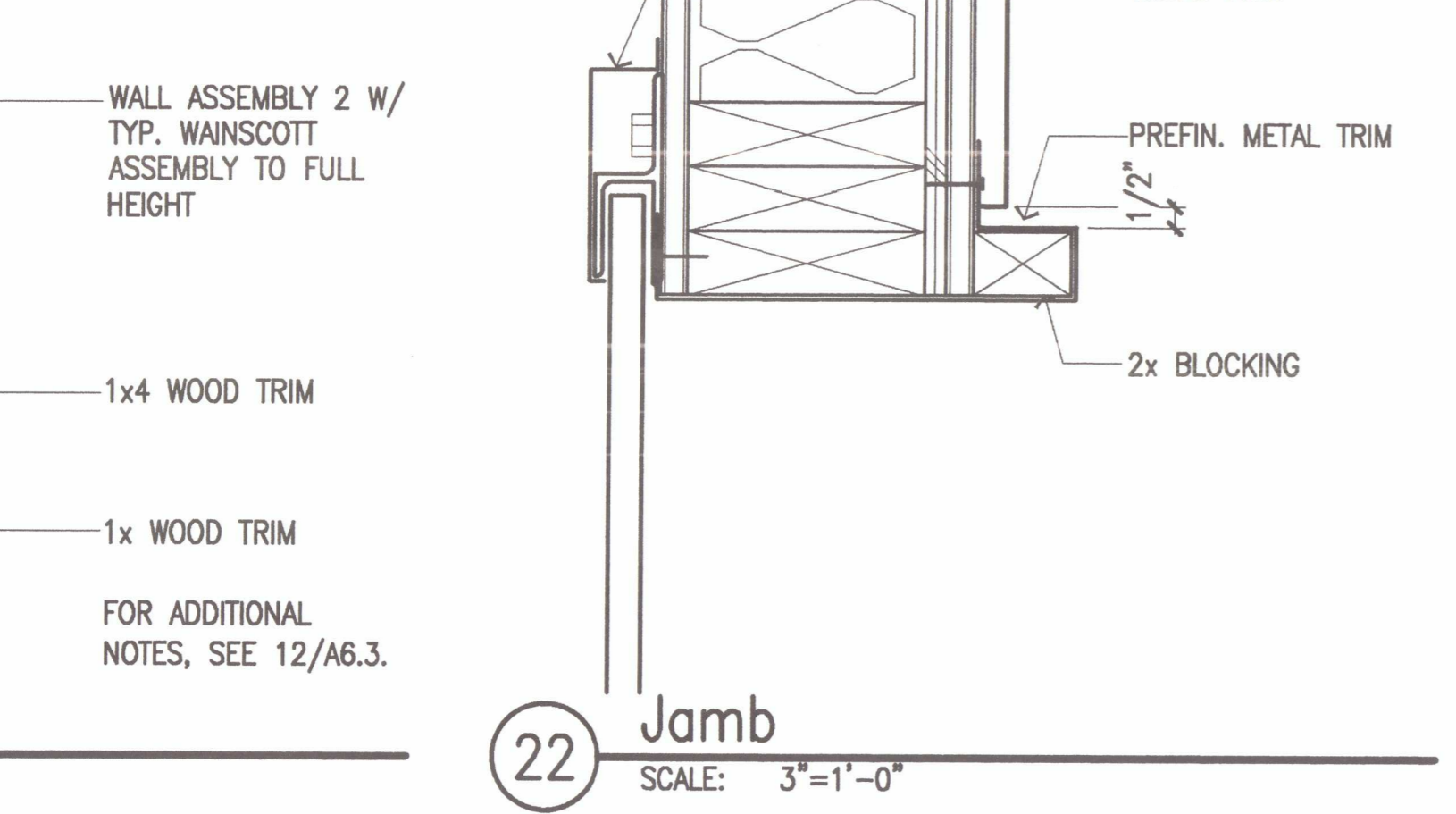
12 Jamb
 SCALE: 3"=1'-0"



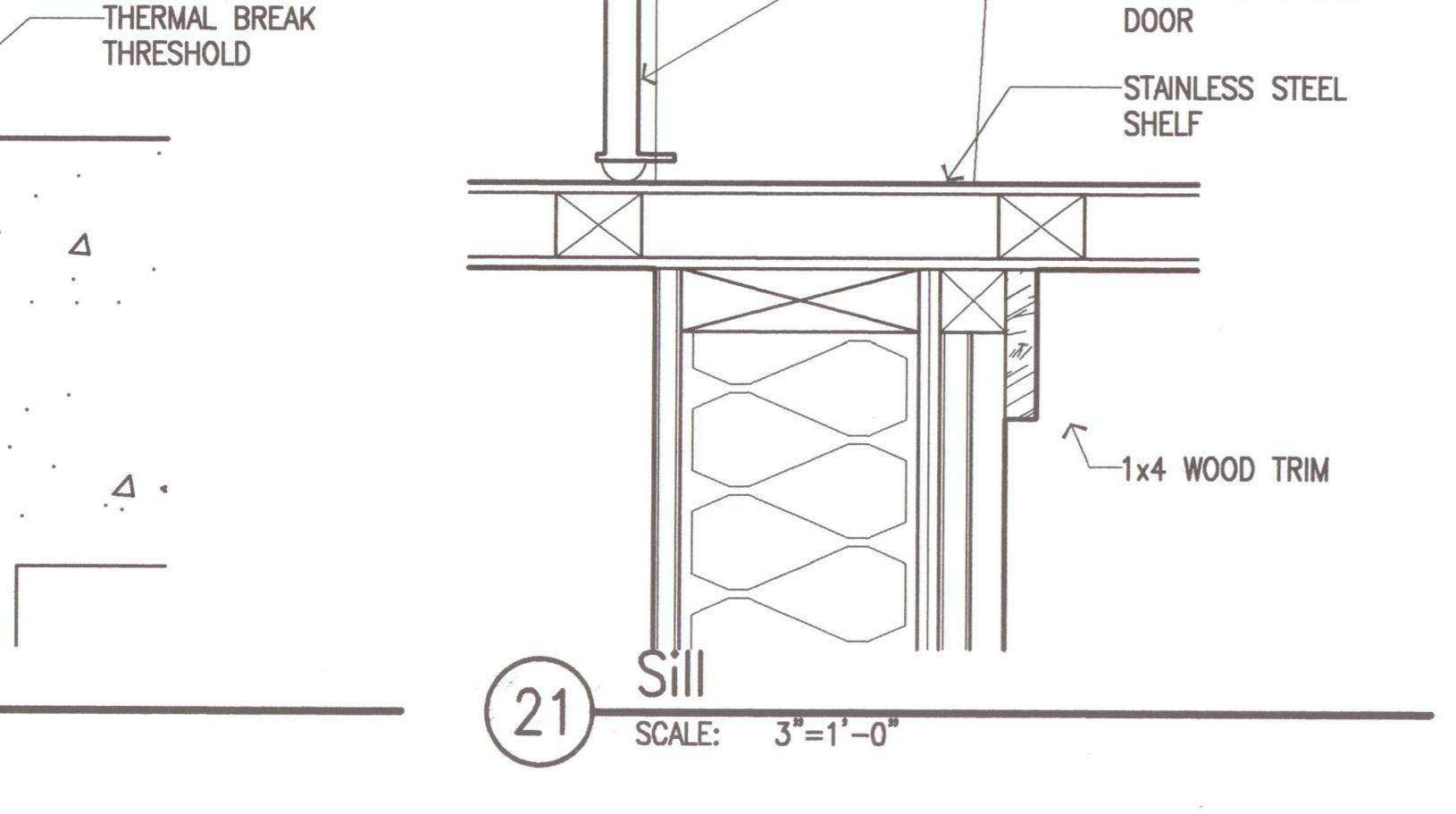
11 Sill
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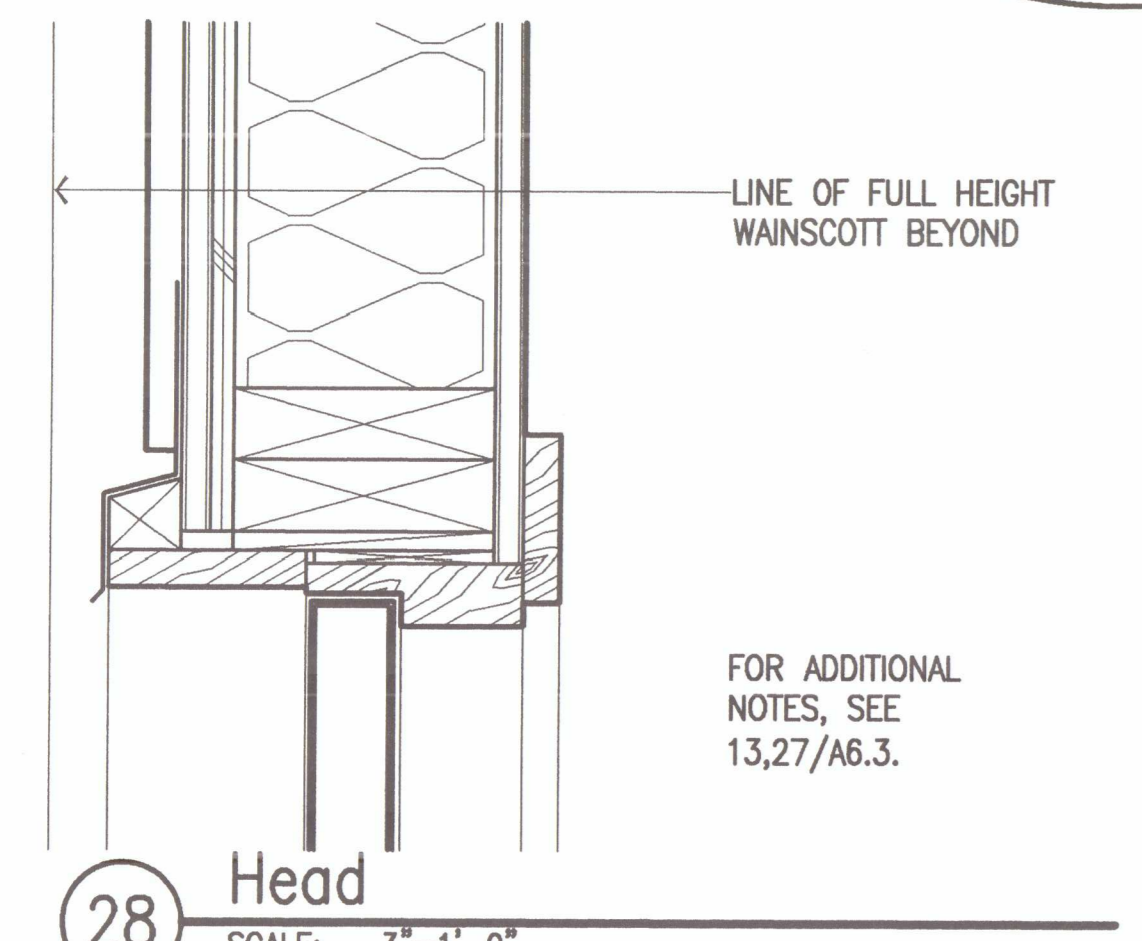
23 Head
 SCALE: 3"=1'-0"



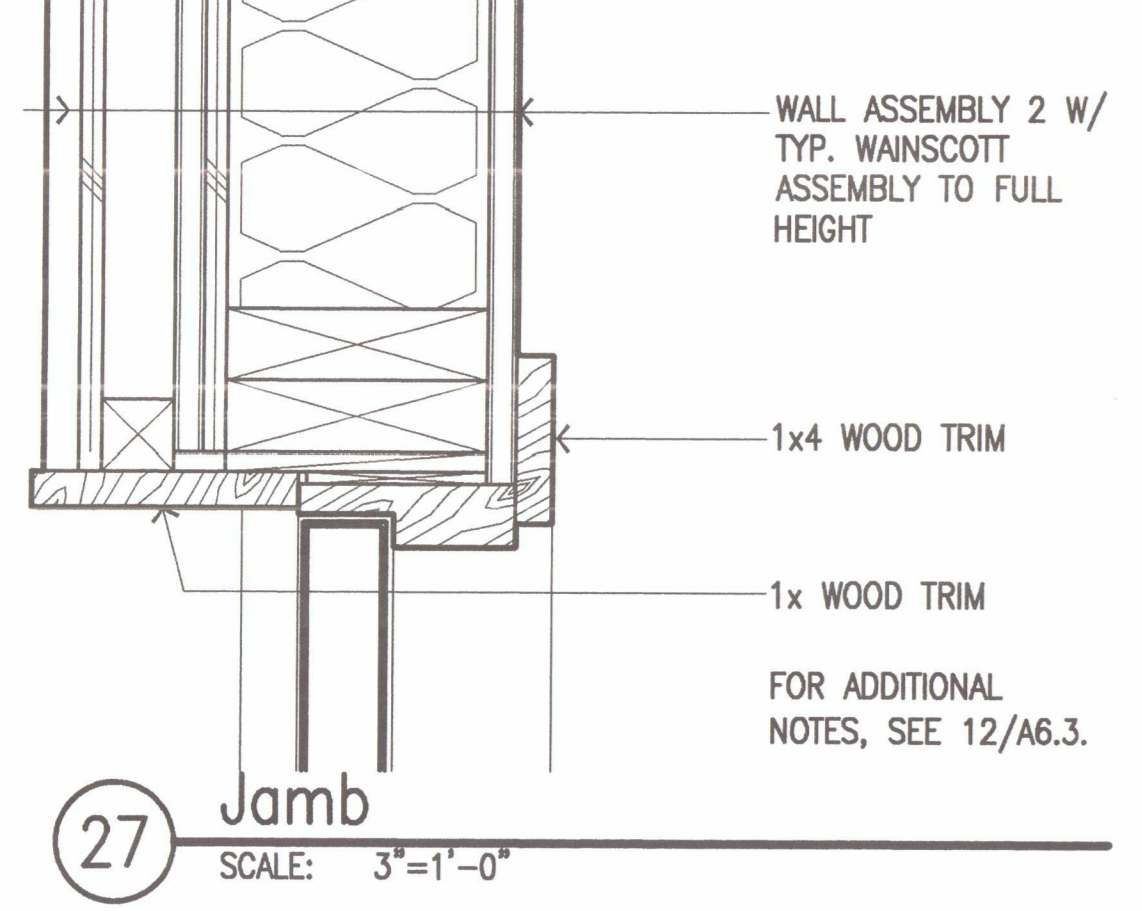
22 Jamb
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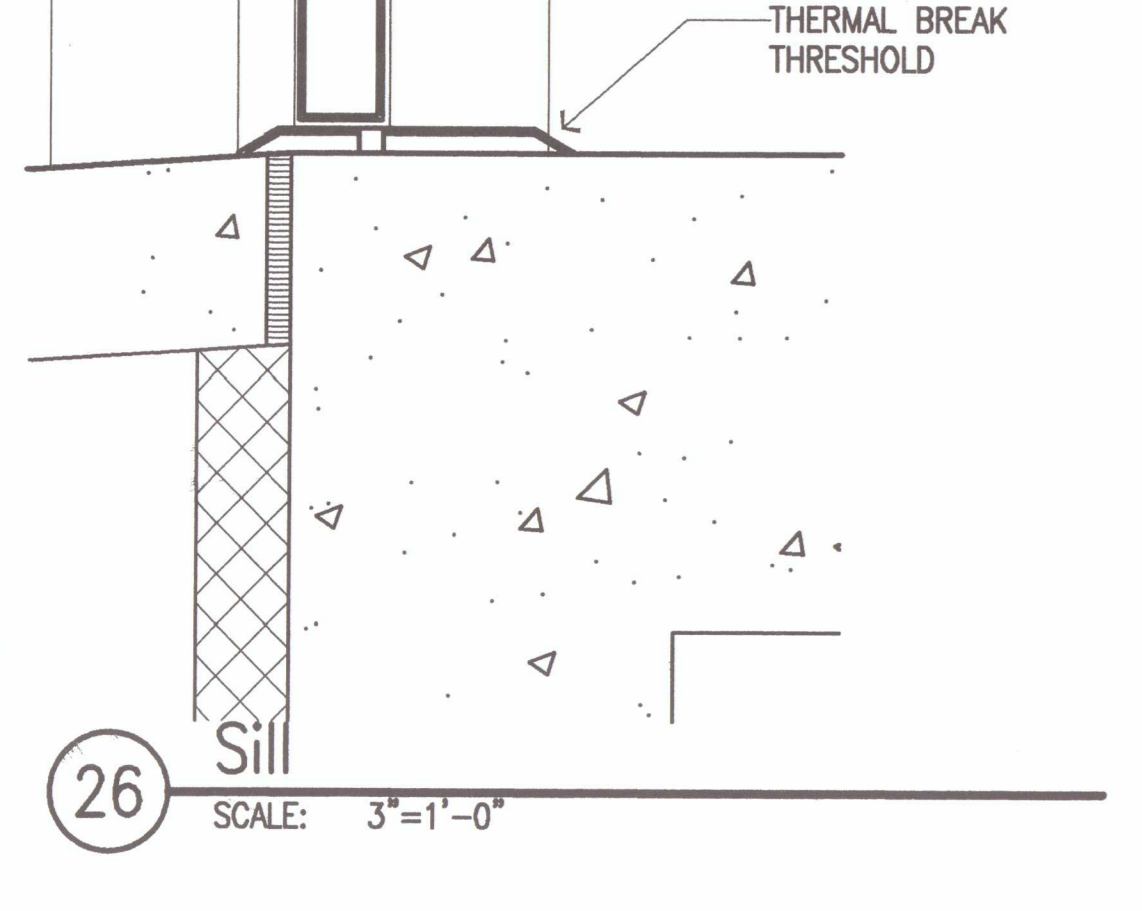
21 Sill
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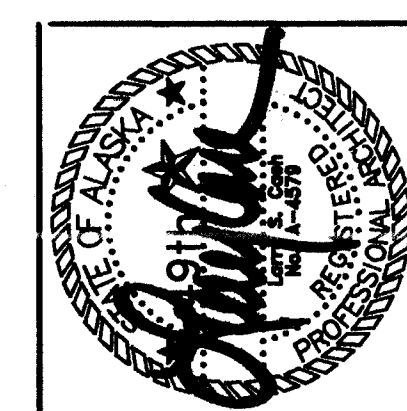
28 Head
 SCALE: 3"=1'-0"



27 Jamb
 SCALE: 3"=1'-0"



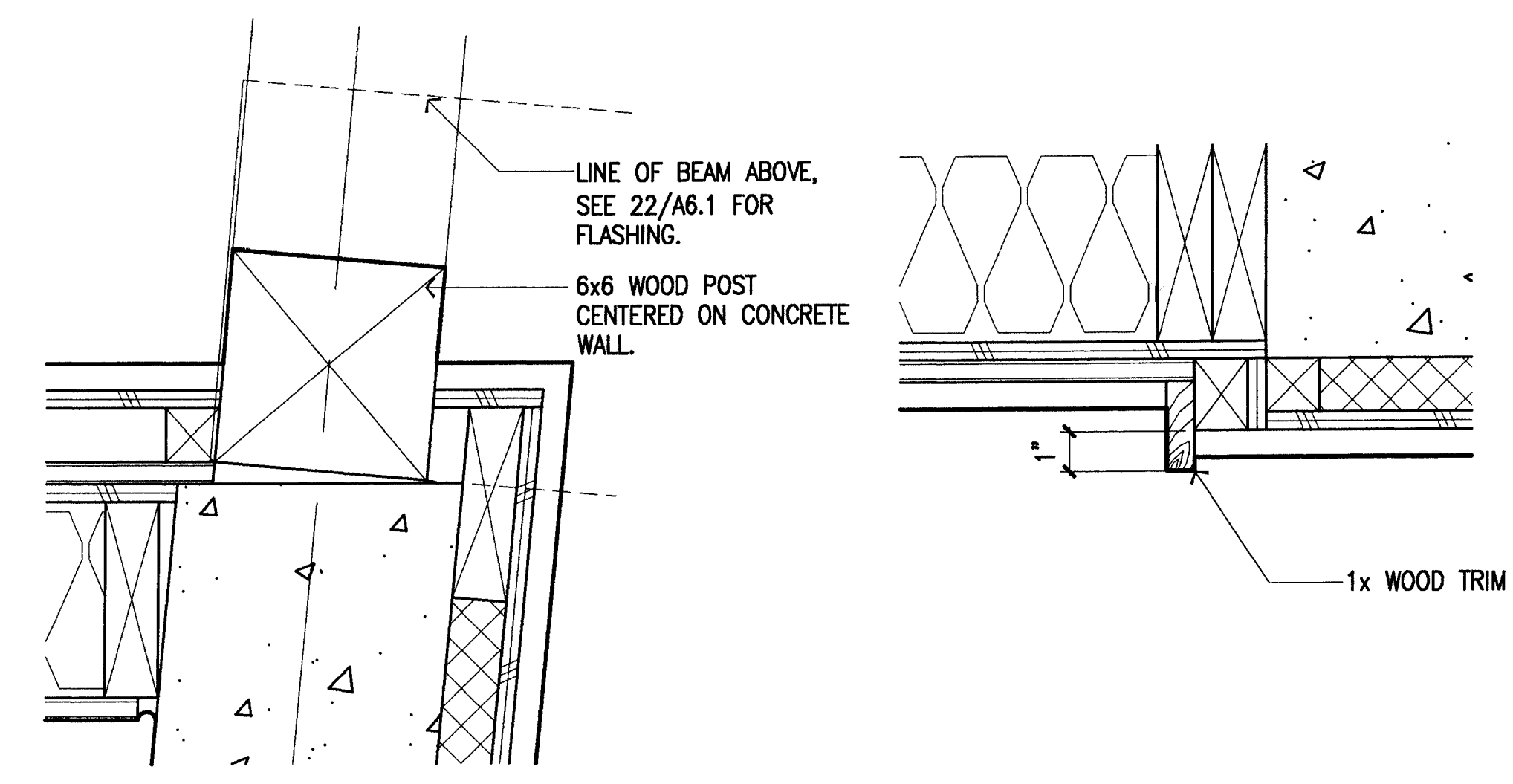
26 Sill
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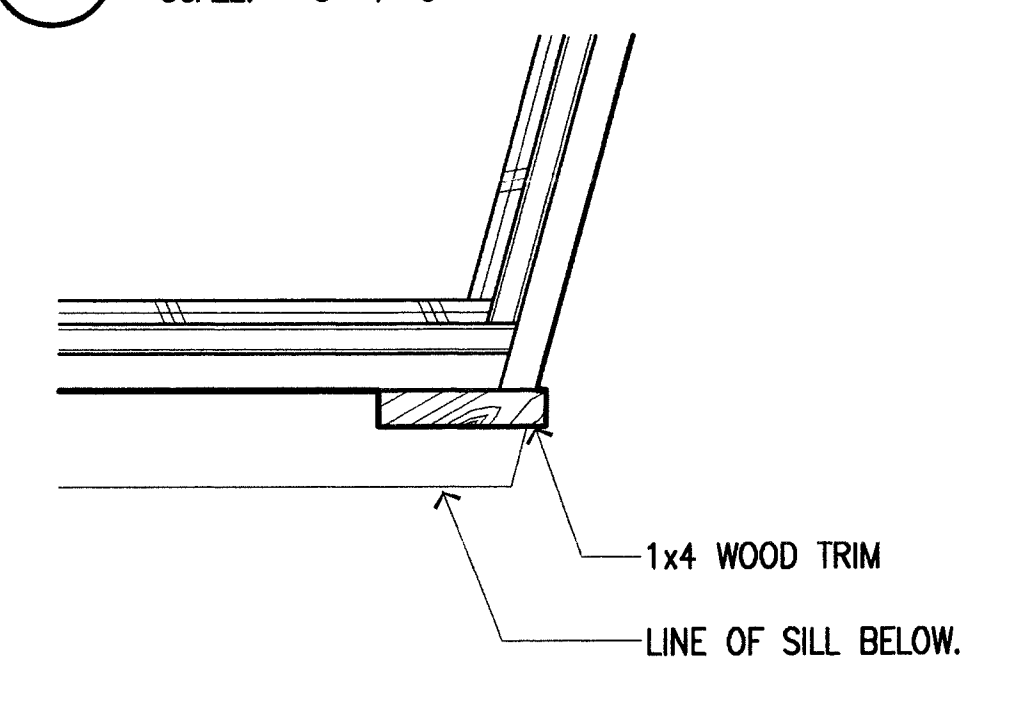
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 ANCHORAGE, ALASKA
 EXTERIOR DETAILS

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 CONFORMED DRAWINGS
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 Checked RRR
 Job No. 95023
 Sheet No.
A6.4
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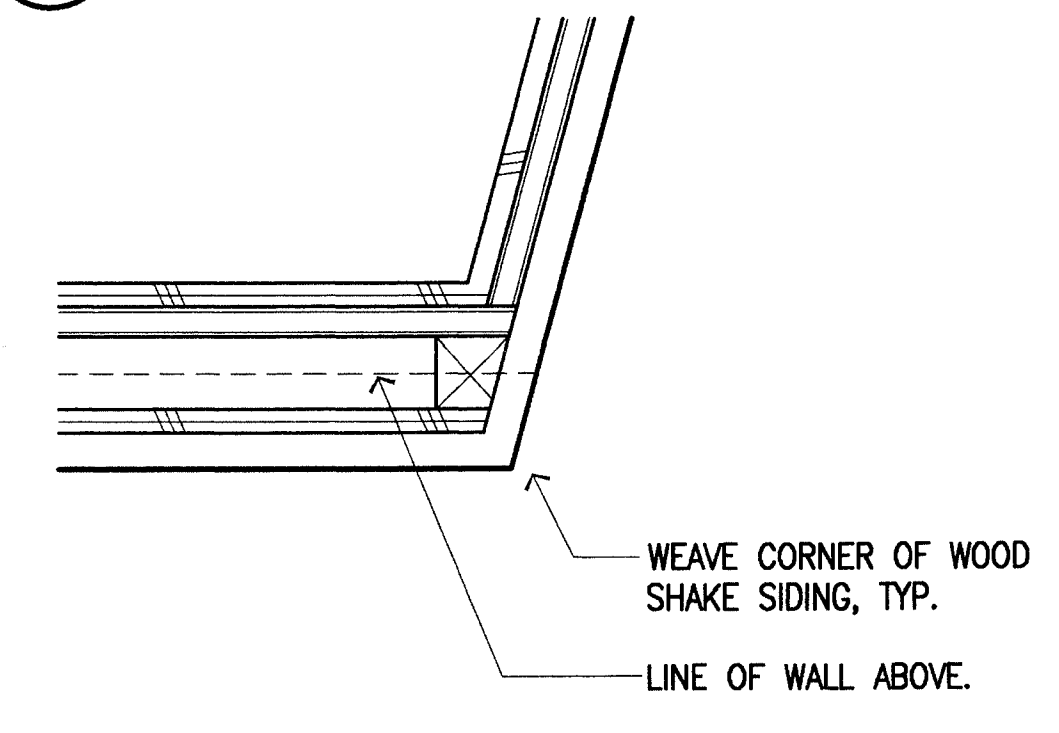


5 TRIM DETAIL
 SCALE: 3"=1'-0"

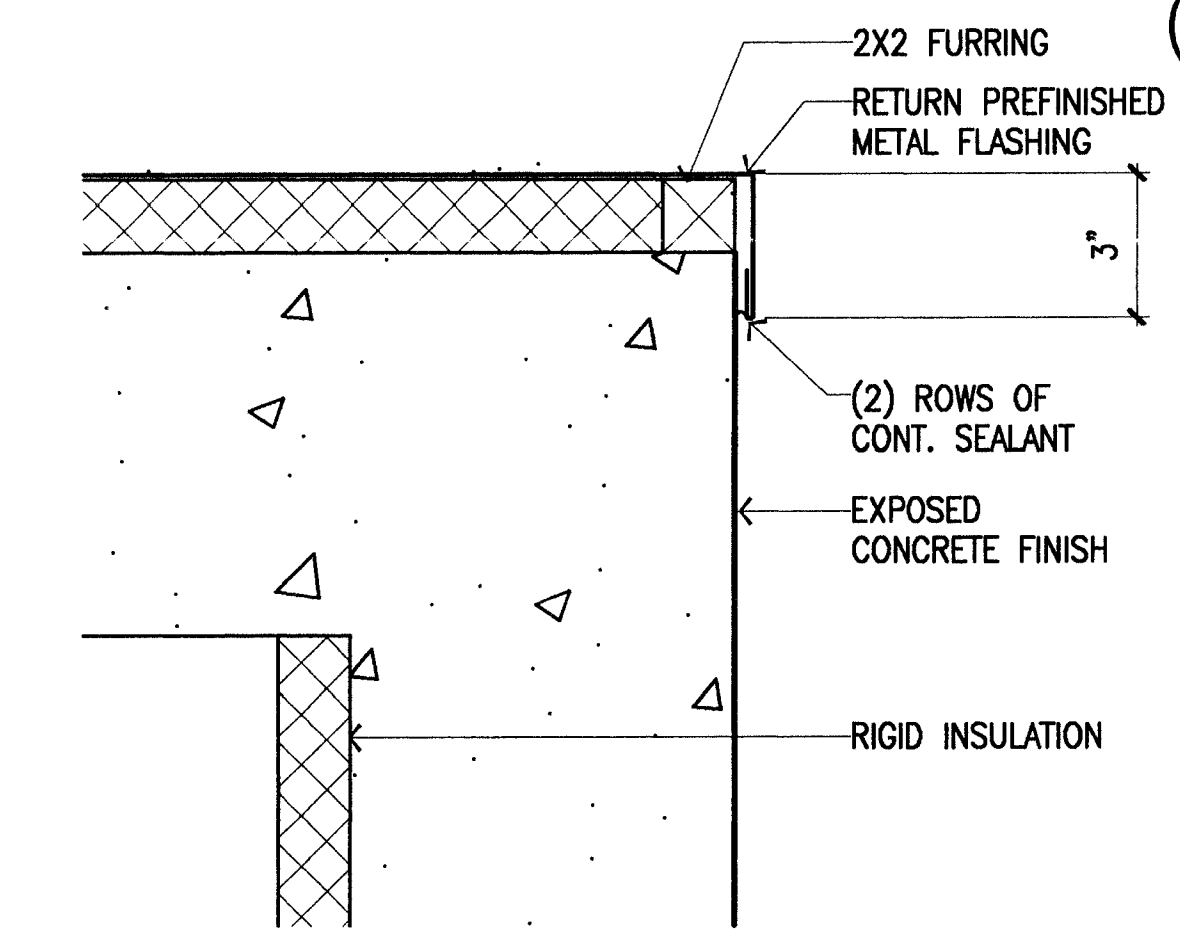
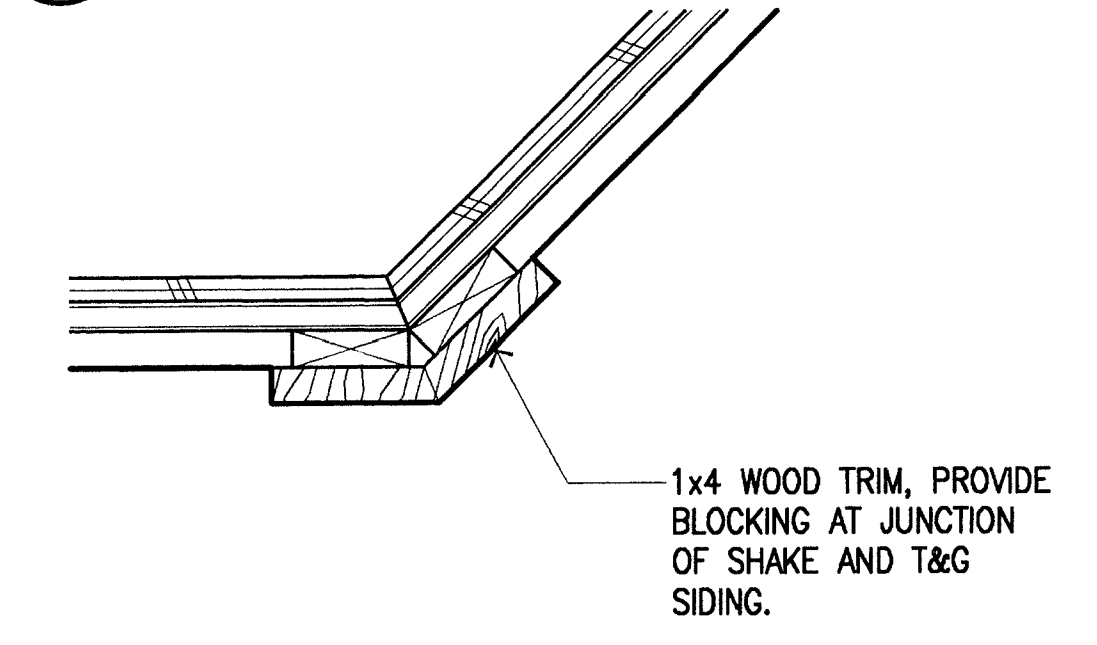
10 CORNER @ POST
 SCALE: 3"=1'-0"



9 CORNER ABOVE SILL
 SCALE: 3"=1'-0"



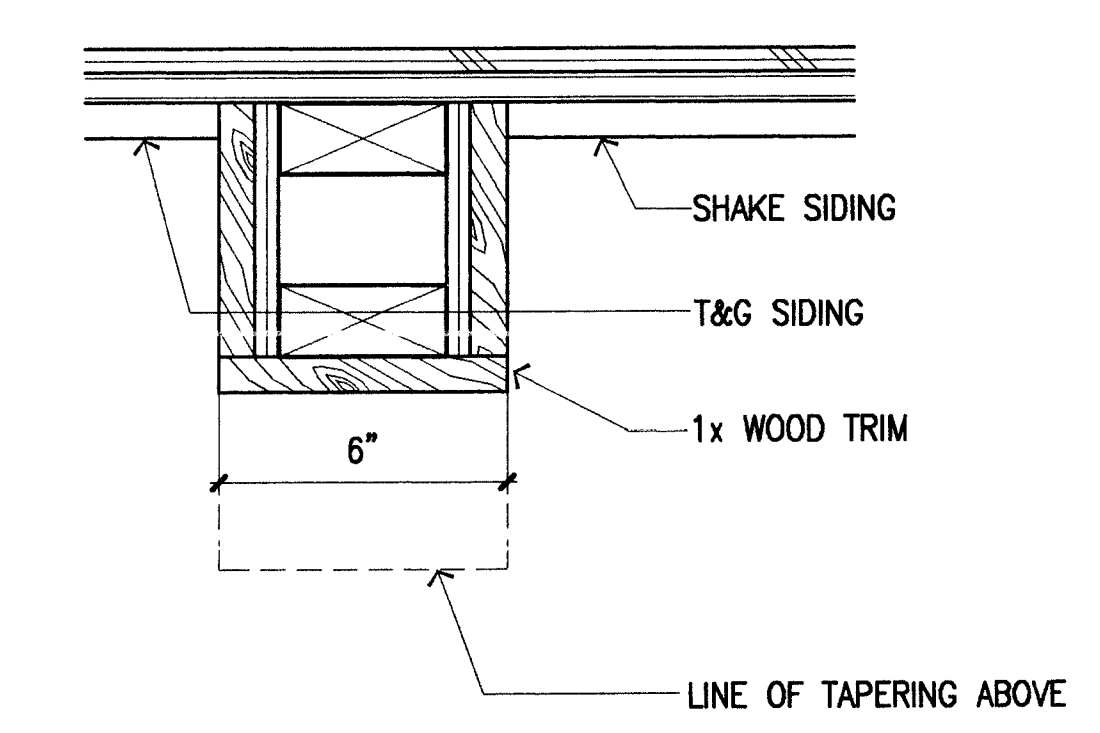
4 INSIDE CORNER
 SCALE: 3"=1'-0"



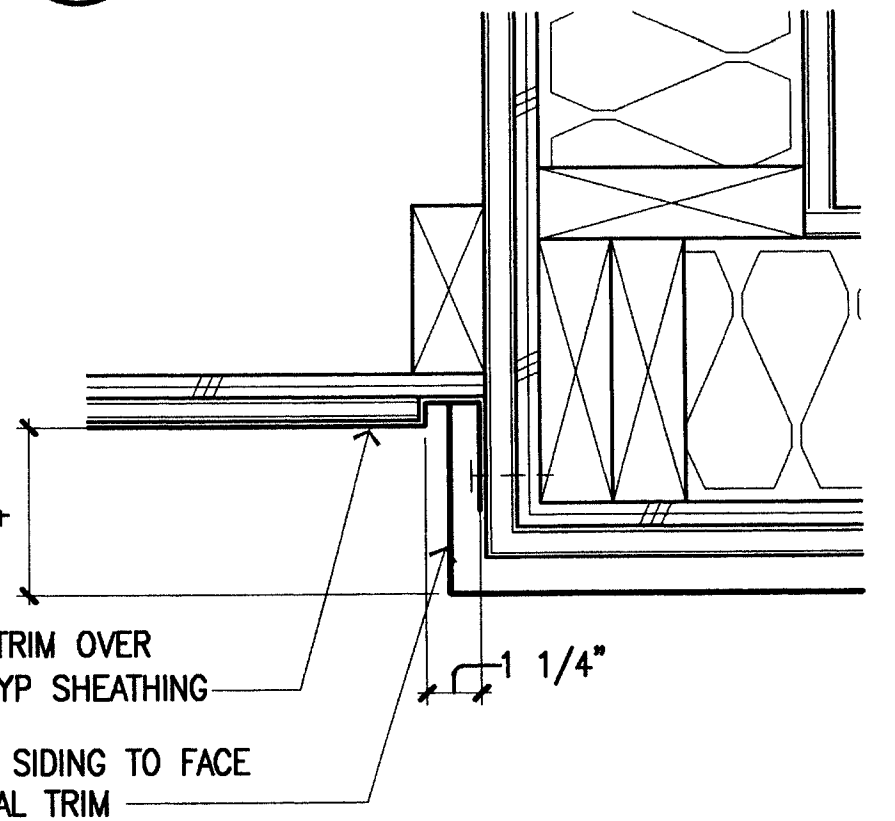
14 CORNER @ FOUNDATION
 SCALE: 3"=1'-0"

FOR ADDITIONAL NOTES
 SEE 12/A6.4.

13 TICKET WINDOW DETAIL
 SCALE: 3"=1'-0"

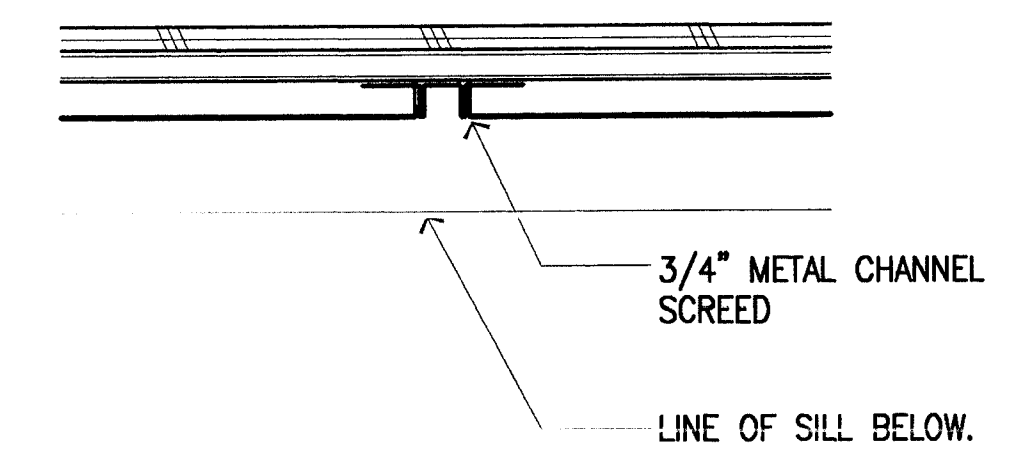


12 TICKET WINDOW DETAIL
 SCALE: 3"=1'-0"

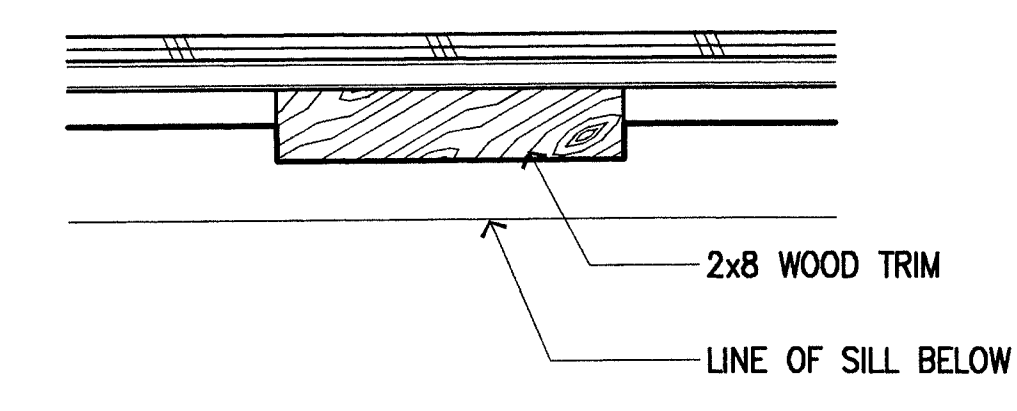


11 TRIM @ ENTRY CANOPY
 SCALE: 3"=1'-0"

8 CORNER BELOW SILL
 SCALE: 3"=1'-0"

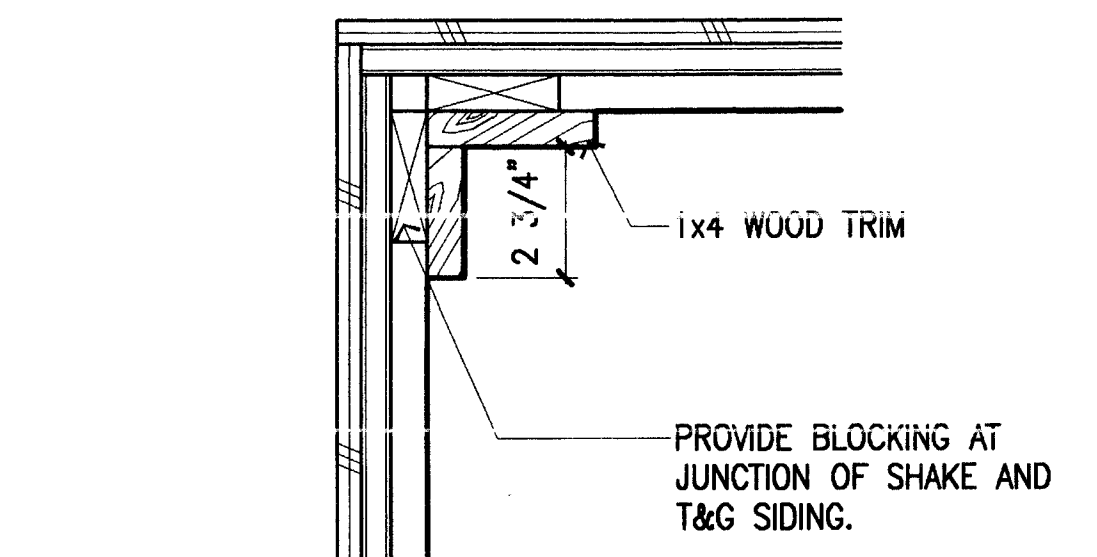


7 TRIM DETAIL
 SCALE: 3"=1'-0"

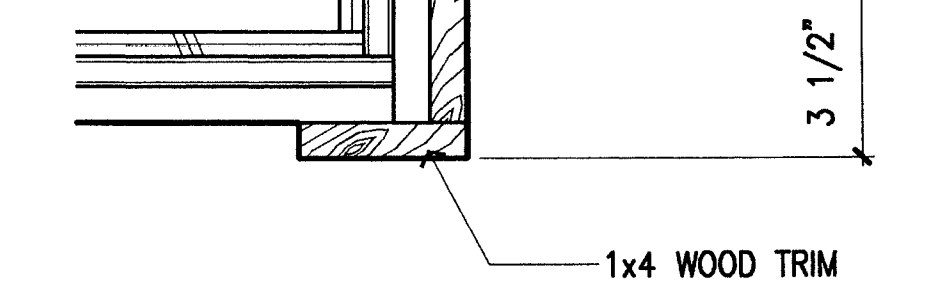


6 TRIM DETAIL
 SCALE: 3"=1'-0"

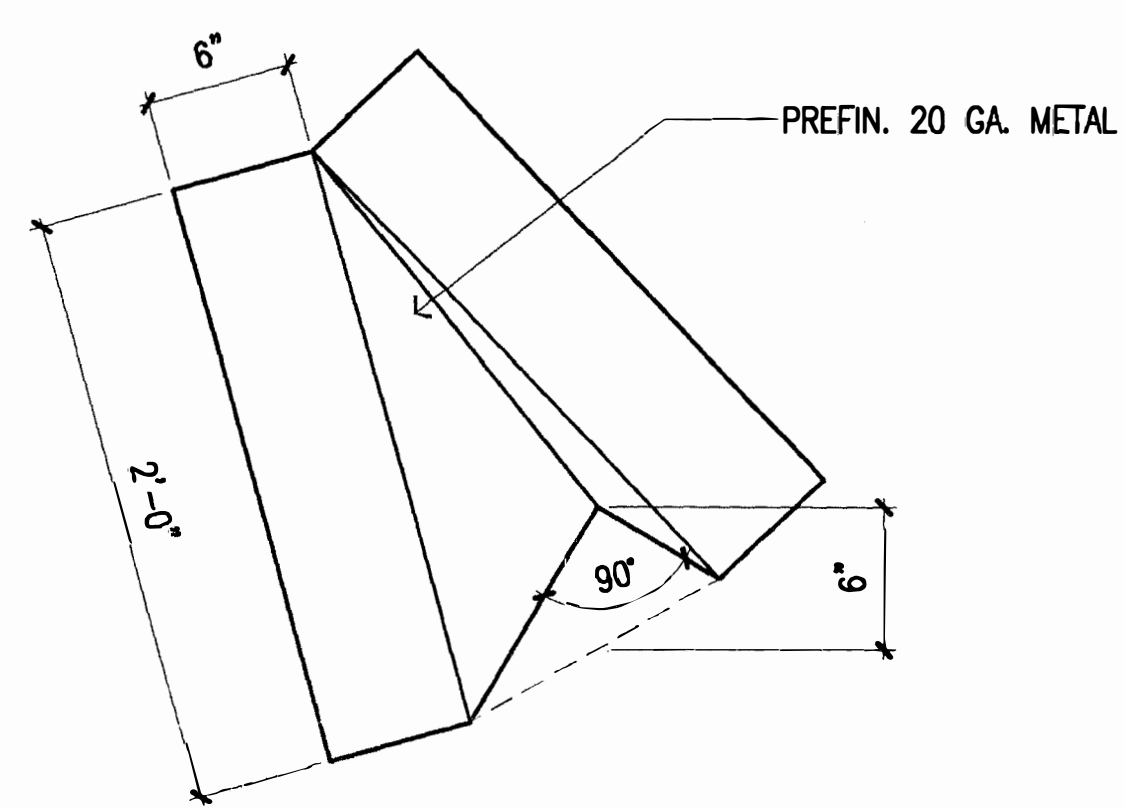
3 OUTSIDE CORNER
 SCALE: 3"=1'-0"



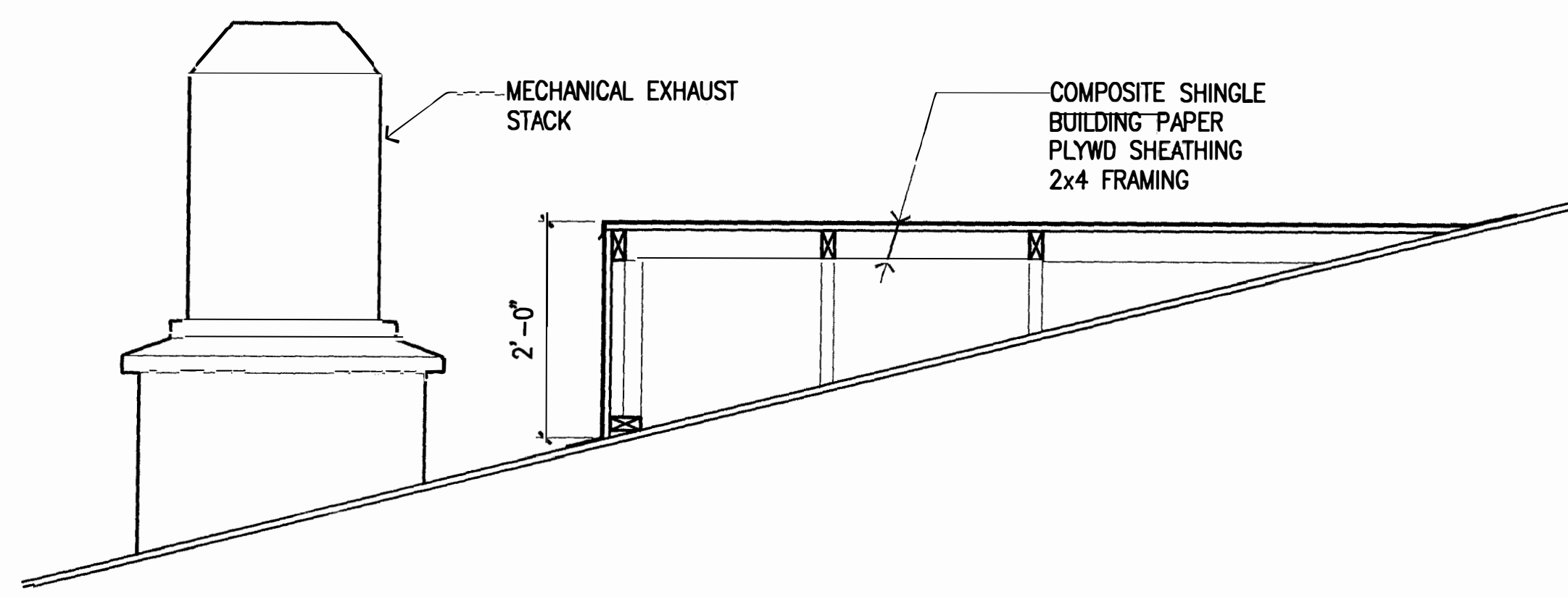
2 INSIDE CORNER
 SCALE: 3"=1'-0"



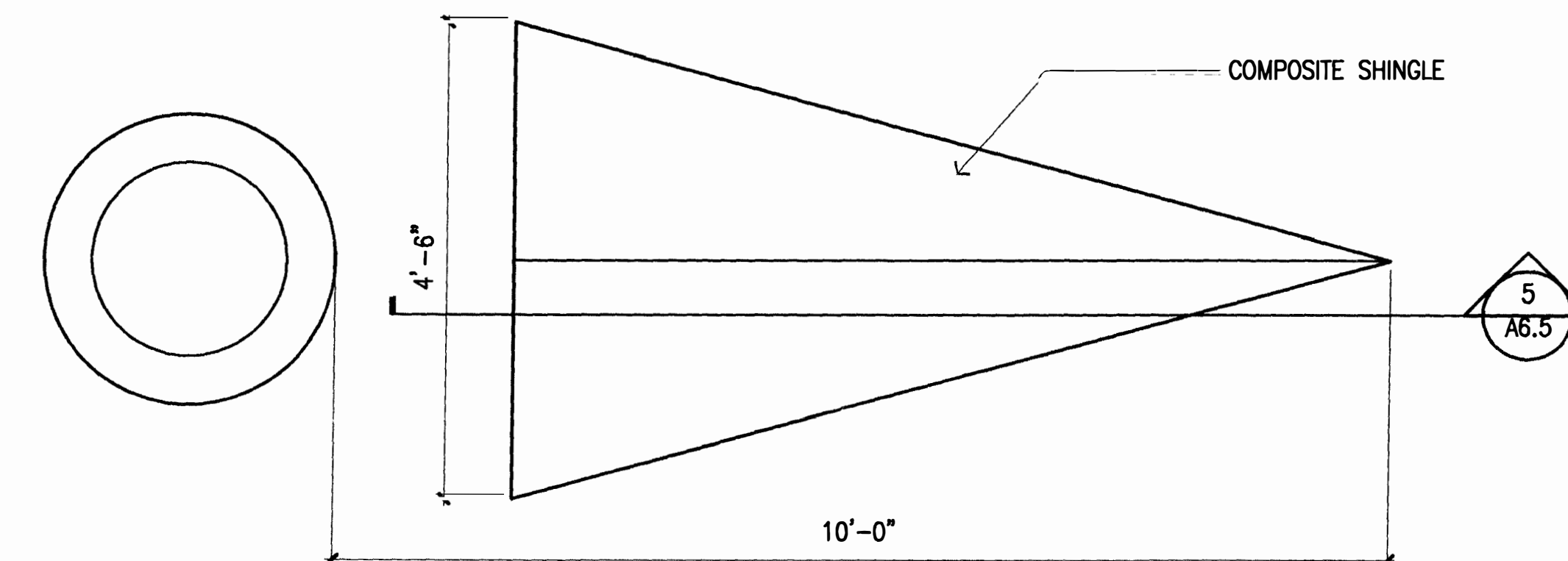
1 OUTSIDE CORNER
 SCALE: 3"=1'-0"



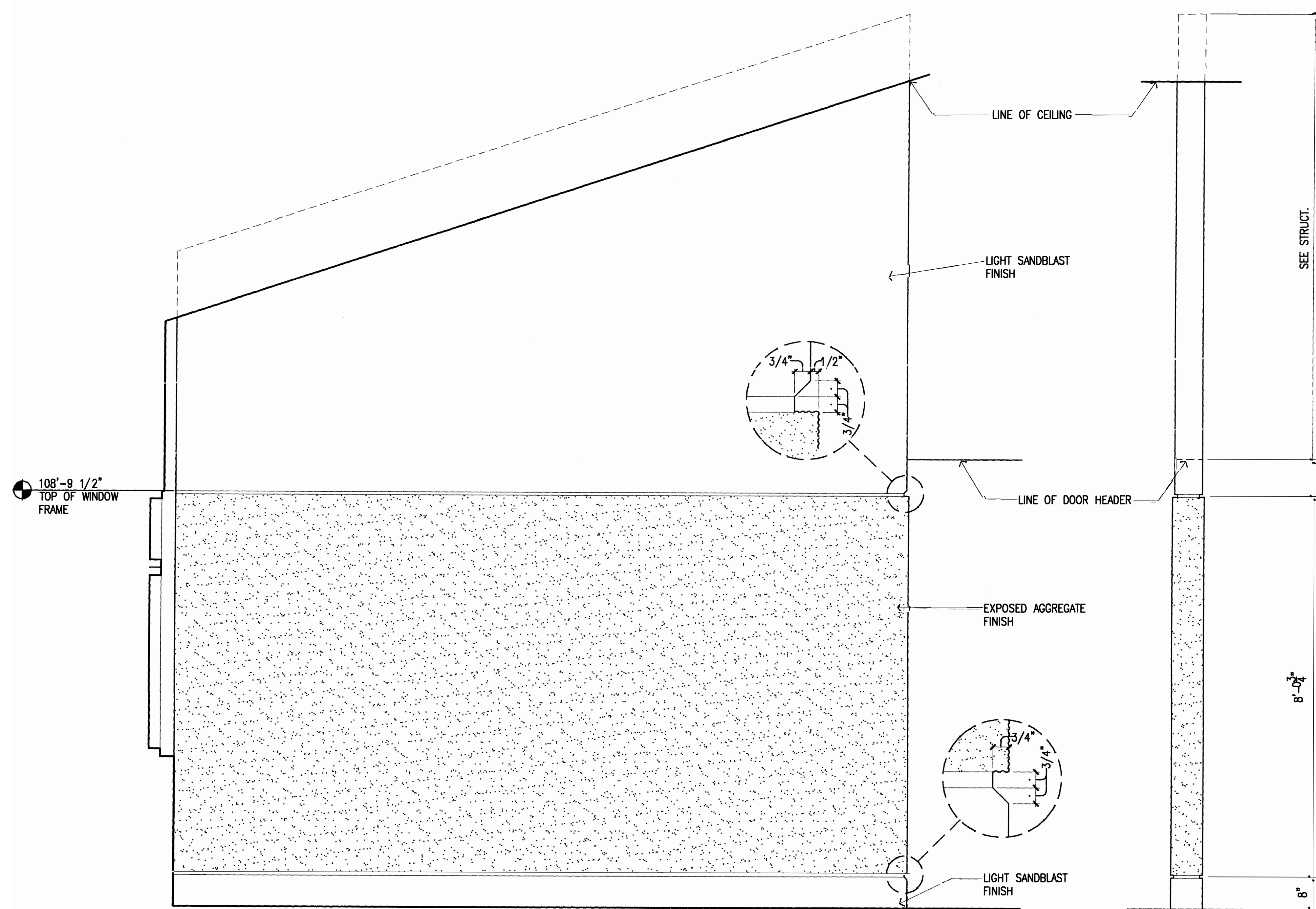
6 Metal Diverter Cricket
SCALE: 3/4" = 1'-0"



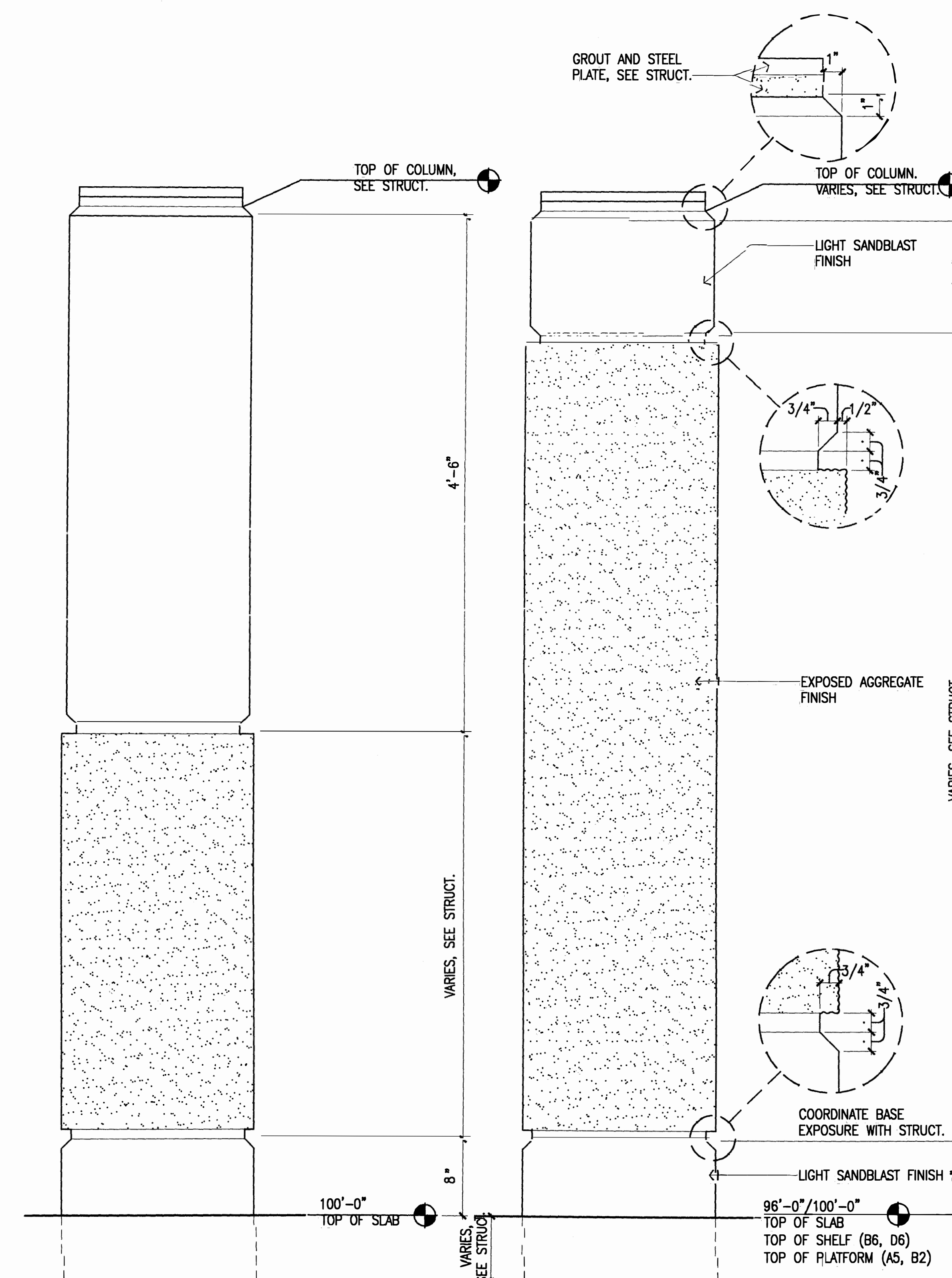
5 Diverter Cricket Section
SCALE: 3/4" = 1'-0"



4 Diverter Cricket Plan
SCALE: 3/4" = 1'-0"

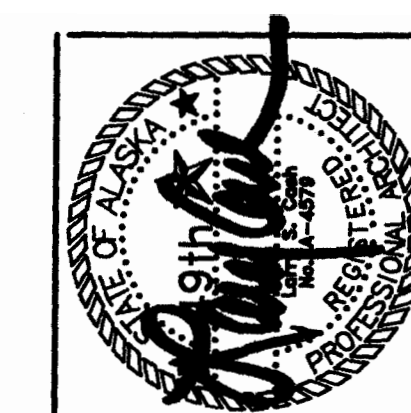


3 Wall @ Studios
SCALE: 3/4" = 1'-0"



2 Columns @ Exhibition
SCALE: 1 1/2" = 1'-0"

1 Typical Column
SCALE: 1 1/2" = 1'-0"



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Date 04/17/98

Drawn PMD

Checked RRR

Job No. 95023

Sheet No.

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ABBREVIATIONS

Table of abbreviations with three columns: Abbreviation, Description, and Additional Abbreviation/Description. Includes terms like AB, AC, ADD, AGGR, AISC, AITC, ALT, ALUM, ARCH, APPROX, ASPH, ASTM, AWG, etc.

GENERAL STRUCTURAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

CODE: UNIFORM BUILDING CODE, 1984 EDITION, AS AMENDED AND ADOPTED BY THE MUNICIPALITY OF ANCHORAGE. DESIGN SOIL PRESSURE: 4000 PSF MAX DEAD + LIVE LOAD. THE ALLOWABLE SOIL BEARING PRESSURE MAY BE INCREASED BY 33% FOR WIND AND SEISMIC FORCES.

ROOF: BASIC SNOW = 40 PSF, OVERHANGING EAVES = 80 PSF, SINGLE GABLE ROOFS = 50 PSF APPLIED TO ONE SLOPE ONLY. SNOW DRIFT = 1994 UBC APP. CHAPT 16 DIV 1.

REINFORCED CONCRETE: ALL CONCRETE - f'c = 3000 PSI, MAXIMUM W/C = .50, MINIMUM 5 1/2 SACKS OF CEMENT PER CUBIC YARD. SUBMIT MIX DESIGN. SEE SPECIFICATIONS FOR ADMIXTURES. SPECIAL INSPECTION REQUIRED.

SLABS ON GRADE: RIGIDLY SUPPORT BARS WITH CONCRETE BLOCKS OR APPROVED ACCESSORIES. PROVIDE SLAB TEMPERATURE BARS AS FOLLOWS: 5" SLABS, #3 @ 12" OR #4 @ 18" EACH WAY. POSITION BARS 1/2" CLEAR FROM THE TOP OF THE SLAB.

ANCHOR BOLTS: ANCHOR BOLTS, ASTM A307. SPECIAL INSPECTION REQUIRED. SET ALL ANCHOR BOLTS BY TEMPLATE. ANCHOR BOLTS AND HARDWARE IN CONTACT WITH TREATED TIMBER SHALL BE HOT-DIPPED GALVANIZED.

ADHESIVE ANCHORS: "HVA" ANCHORS BY HILTI FASTENING SYSTEMS OR APPROVED EQUAL. IBCO CERTIFICATION REQUIRED. SPECIAL INSPECTION REQUIRED.

STRUCTURAL STEEL: ALL STEEL ASTM A36, Fy = 36 KSI, EXCEPT TUBE STEEL TO BE ASTM A500, GRADE B, Fy = 46 KSI. SPECIAL INSPECTION REQUIRED. FABRICATION AND ERECTION PER AISC SPECIFICATIONS. SUBMIT SHOP DRAWINGS.

WELDERS CERTIFIED PER AWS FOR ROOF AND POSITION. HIGH-STRENGTH BOLTS PER ASTM A325. TYPICAL BOLTED CONNECTIONS - BEARING TYPE. BEARING TYPE CONNECTIONS SHALL BE TIGHTENED TO A "TENSILE FIT" CONDITION AS DEFINED IN AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

STEEL DECKING: STEEL DECKING DESIGNED, MANUFACTURED AND INSTALLED PER STEEL DECK INSTITUTE DESIGN. IBCO CERTIFICATION REQUIRED. SUBMIT SHOP DRAWINGS. COMMERCIAL WEIGHT GALVANIZED FINISH ON ALL DECKING.

FASTEN FLOOR DECK UNITS TO STEEL AT TRANSVERSE, END AND SIDE SUPPORTS WITH #3 DIAMETER SPOT WELDS AT 6" ON CENTER. FASTEN SIDE LAPS OF ADJACENT UNITS WITH BUTT PUNCH AT 24" ON CENTER.

GLUED-LAMINATED TIMBER: BEAMS AND GIRDERS - DOUGLAS FIR SPECIES, COMBINATION 24F-V4 FOR SIMPLE SPANS. USE COMBINATION 24F-V6 FOR CURVED AND TAPERED BEAMS. APPEARANCE - ARCHITECTURAL GRADE, ROUGH SAWN.

PLYWOOD: PLYWOOD GRADE - CD INT-APA WITH EXTERIOR GLUE LAID FACE GRAIN PERPENDICULAR TO SUPPORT.

PRE-FABRICATED TIMBER JOISTS: JOISTS DESIGNED AND MANUFACTURED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL. IBCO CERTIFICATION REQUIRED.

JOIST DESIGNATIONS ARE PER TRUS-JOIST STANDARDS AND CHORD SIZES INDICATED ON PLANS ARE MINIMUM ONLY. ROOF DESIGN DEAD LOAD - 20 PSF MINIMUM. ROOF DESIGN WIND UPLIFT - 25 PSF MINIMUM.

DESIGN AND PROVIDE WEB STIFFENERS AT ALL SUPPORTS AS REQUIRED. FOR 16" TJI'S ON SLOPED ROOFS, PROVIDE 1/2" DIAMETER KNOCKOUTS AT 12" ON CENTER IN THE UPPER 1/3 OF THE JOIST WEB.

SPECIAL INSPECTION: SPECIAL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL. SUBMIT INSPECTOR'S REPORTS TO THE MUNICIPALITY OF ANCHORAGE BUILDING DEPARTMENT FOR APPROVAL.

REINFORCING STEEL: PRIOR TO CLOSING OF FORMS AND DELIVERY OF CONCRETE TO THE JOB SITE.

REINFORCED CONCRETE: DURING THE TAKING OF TEST SPECIMENS FOR SLUMP, AIR CONTENT, AND COMPRESSIVE STRENGTH AND PLACING OF CONCRETE, FOR 1 HOUR AT THE BEGINNING OF EACH CONCRETE POUR.

BOLTS INSTALLED IN CONCRETE: PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS AT THE BRACED FRAME COLUMNS.

STRUCTURAL WELDING: VERIFY MATERIALS, WELDING PROCEDURES, AND WELDER'S QUALIFICATIONS PRIOR TO START OF WORK.

HIGH STRENGTH BOLTING: PERIODICALLY MONITOR ALL CONNECTIONS TO VERIFY THAT THE PLIES OF CONNECTED MEMBERS HAVE BEEN DRAWN TOGETHER, AND THAT THE LOAD INDICATING DEVICES INDICATE THE PROPER TENSION.

MISCELLANEOUS: REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCT OPENINGS, PIPING, CONDUITS, ETC., NOT SHOWN.

SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK AND NOTIFY THE PROJECT MANAGER IMMEDIATELY IF ANY DISCREPANCIES.

REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.

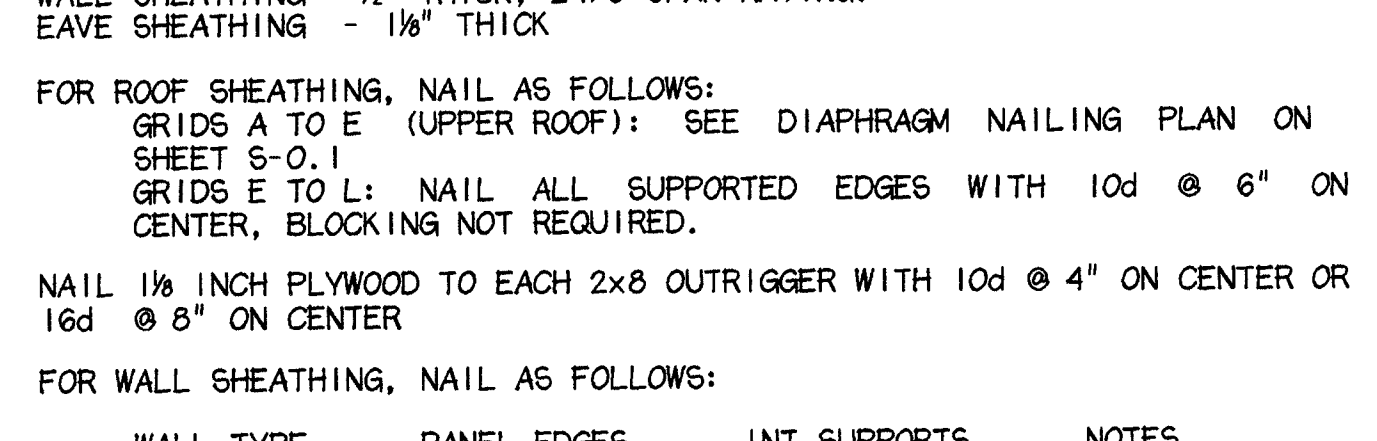
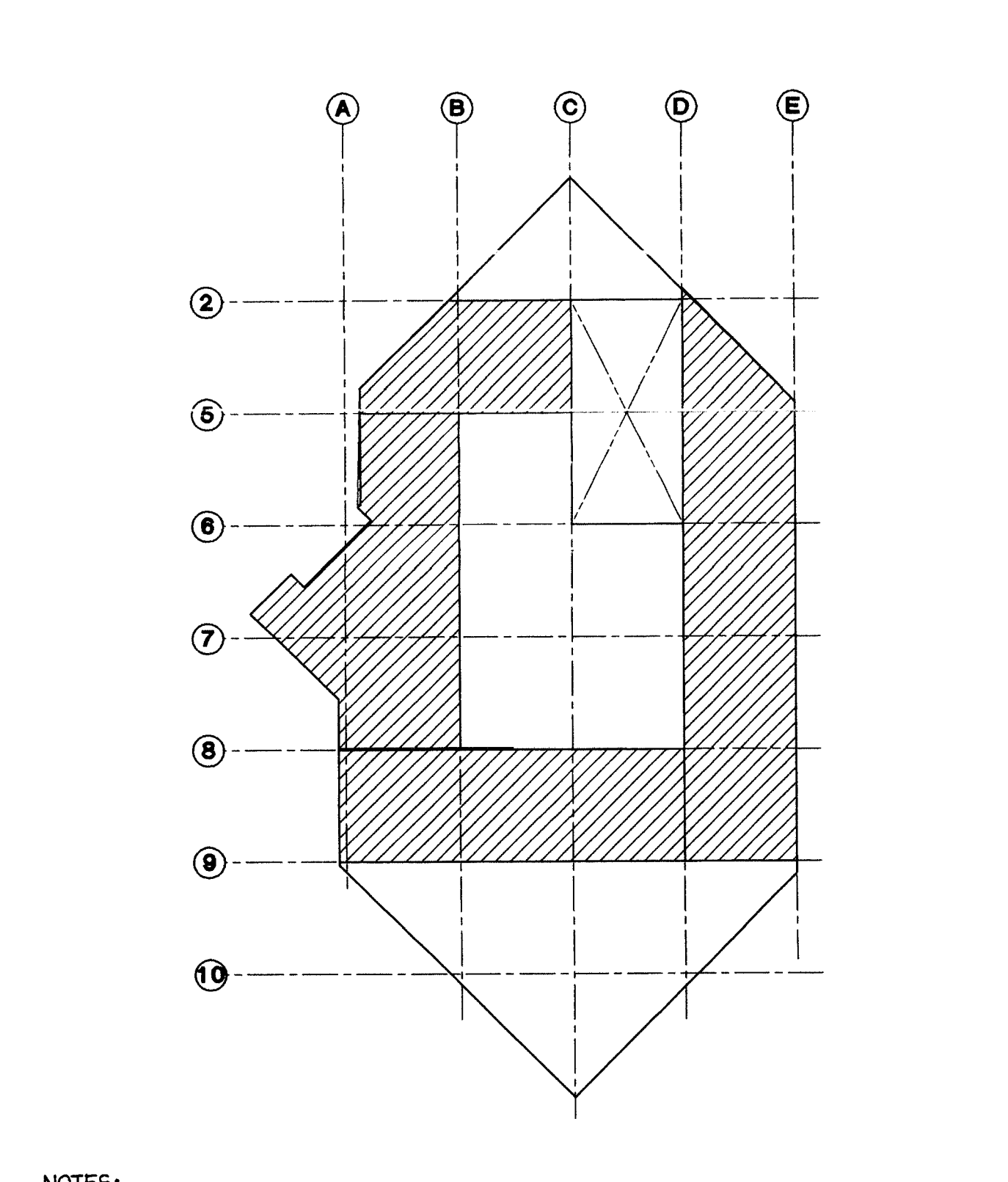


Table with columns: WALL TYPE, PANEL EDGES, INT SUPPORTS, NOTES. Rows include SWA, SWB, SWC.

FOR WALL SHEATHING, NAIL AS FOLLOWS: GRIDS A TO E (UPPER ROOF): SEE DIAPHRAGM NAILING PLAN ON SHEET S-0.1.

NOTES: 1. UNSHADED AREAS: NAIL ALL SUPPORTED PANEL EDGES WITH 10d @ 6" OC. BLOCKING NOT REQUIRED.



- NOTES: 1. UNSHADED AREAS: NAIL ALL SUPPORTED PANEL EDGES WITH 10d @ 6" OC. BLOCKING NOT REQUIRED. 2. SHADED AREAS: A. ALONG GRIDS 2 AND 9 AND AT EXTERIOR WALLS ALONG GRID A AND E...

DIAPHRAGM NAILING PLAN



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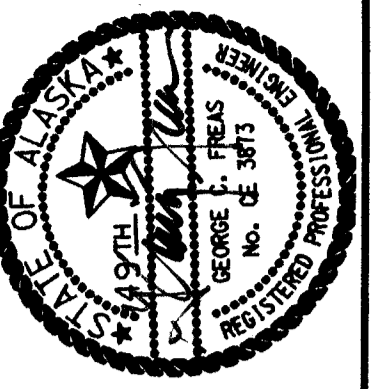
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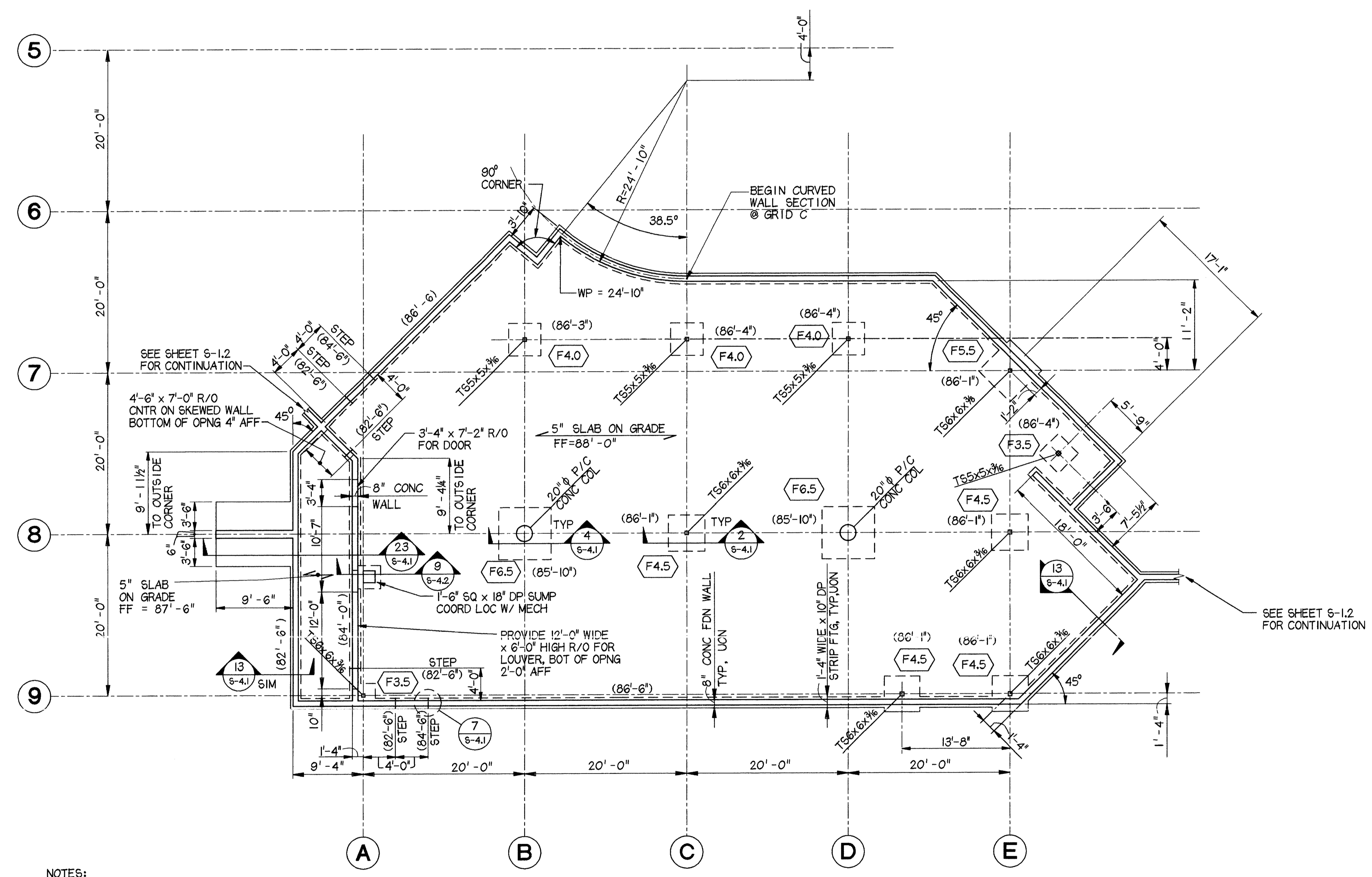
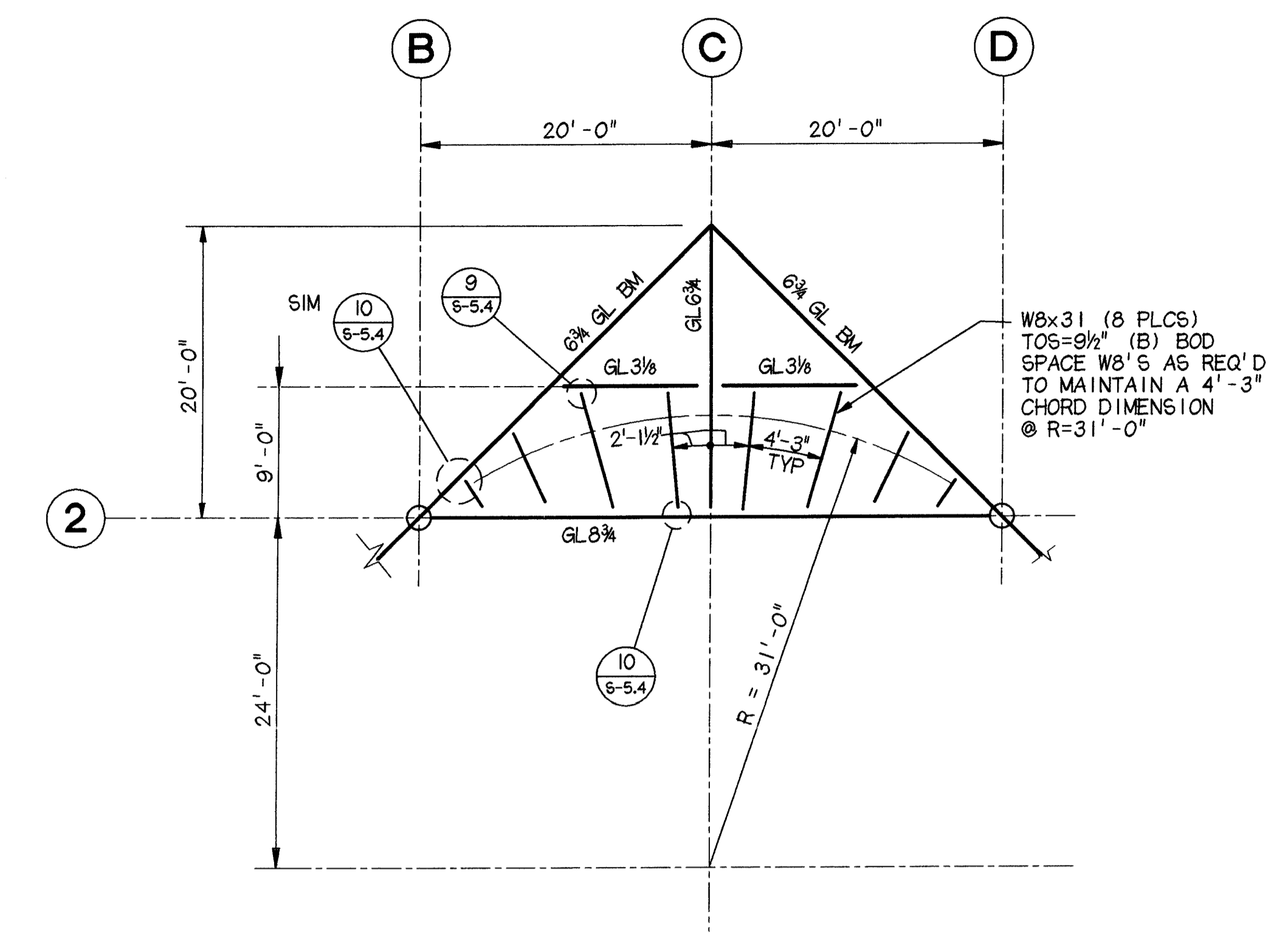
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 BASEMENT PLAN

Revisions
 2/ ADD No. 3
 4/13/98

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 Checked KDA
 Codd ANHC-SLDGN
 Job No. 9925.GI

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S-1.1
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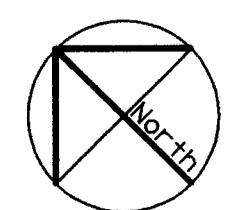


- NOTES:**
- (82'-6") INDICATES ELEVATIONS AT BOTTOM OF FOOTINGS, UNLESS OTHERWISE NOTED.
 - COORDINATE OPENINGS IN VENT PIT WALLS WITH MECHANICAL DRAWINGS.
 - COORDINATE SIZE AND LOCATION OF HOUSEKEEPING PADS WITH MECHANICAL DRAWINGS.
 - SLOPE VENTILATION PIT SLAB TO DRAIN.
 - PROVIDE CONTROL JOINTS IN SLAB AT GRIDS B,C,D,6,8 AND 8.

| FOOTING SCHEDULE | | | | |
|------------------|-------|-------|-----|--------------|
| TYPE | B | L | T | REINFORCING |
| F2.0 | 2'-0" | 2'-0" | 10" | 3-#5 EW |
| F3.5 | 3'-6" | 3'-6" | 12" | 4-#5 EW |
| F4.0 | 4'-0" | 4'-0" | 12" | 5-#5 EW |
| F4.5 | 4'-6" | 4'-6" | 15" | 5-#5 EW |
| F5.5 | 5'-6" | 5'-6" | 15" | 7-#5 EW |
| F6.5 | 6'-6" | 6'-6" | 18" | 9-#5 EW |
| F7.0 | 7'-0" | 7'-0" | 24" | 10-#5 EW,T&B |
| F8.0 | 9'-0" | 9'-0" | 30" | 12-#5 EW,T&B |

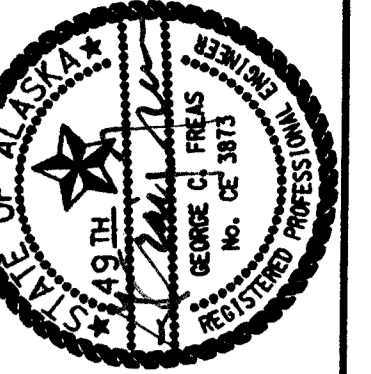
| COL BASE R. SCHEDULE | | | | | |
|----------------------|-----|-----|------|--------------|-----------------|
| COL | L | W | T | ANCHOR BOLTS | |
| | | | | SIZE | EMBEDMENT DEPTH |
| T55x5 | 11" | 11" | 3/4" | 3/4" | 9" |
| T56x6 | 12" | 12" | 3/4" | 3/4" | 9" |
| T58x8 | 14" | 14" | 3/4" | 3/4" | 12" |

NOTE: AT BRACED COLUMNS, PROVIDE 1/2" x 3" SQ PLATE WASHER AT BOTTOM OF ALL ANCHOR BOLTS.



BASEMENT PLAN
 1/8" = 1' - 0"

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ALASKA NATIVE HERITAGE CENTER
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 FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN

Revisions

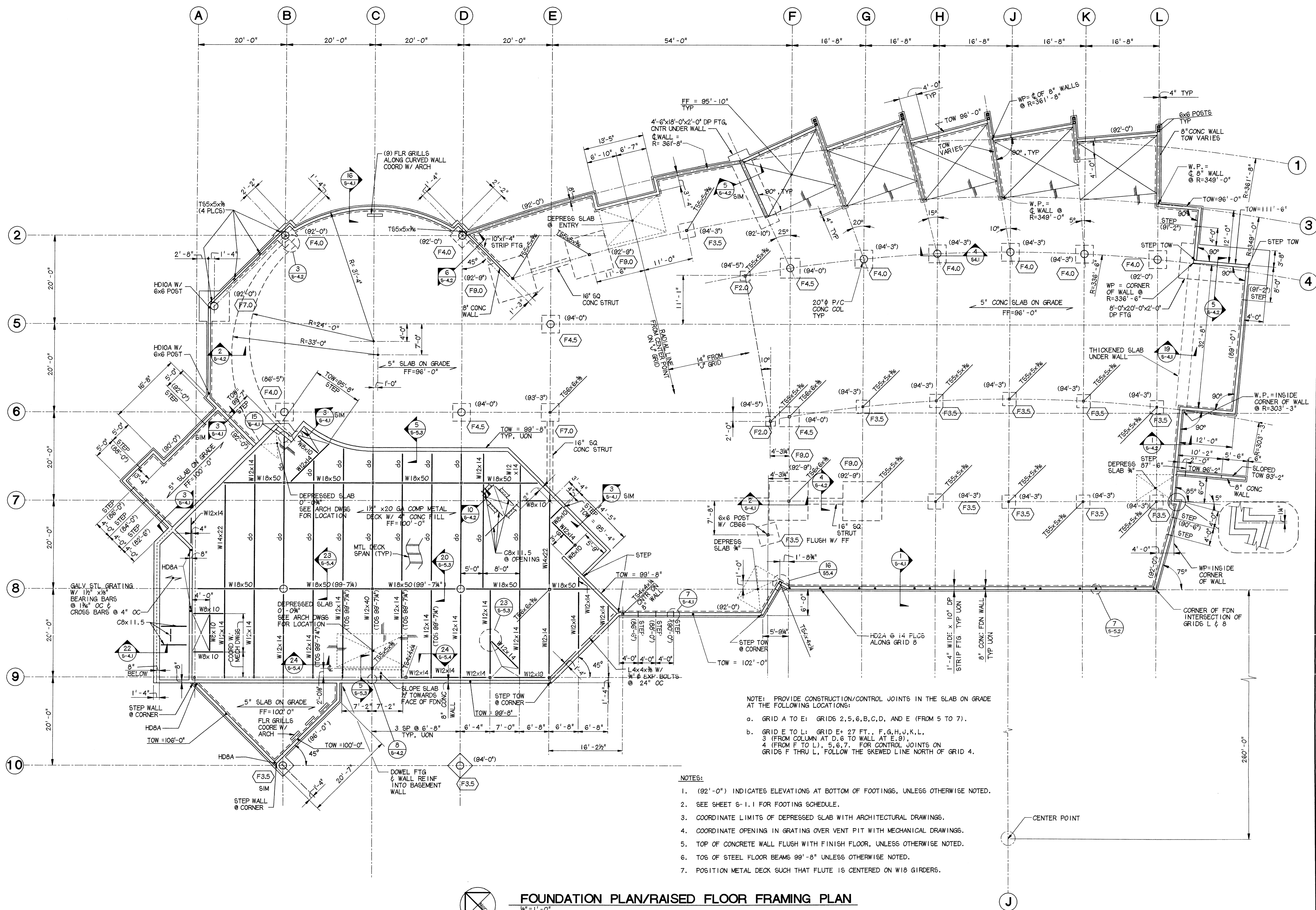
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S-1.2

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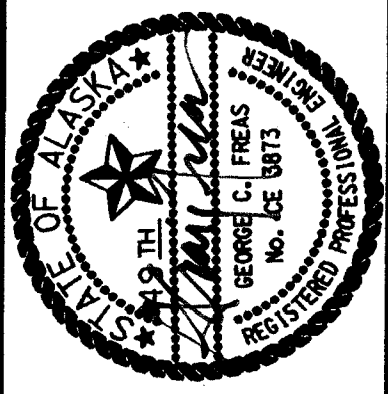
FOUNDATION PLAN/RAISED FLOOR FRAMING PLAN

1/8" = 1' - 0"

NOTES:

- (92'-0") INDICATES ELEVATIONS AT BOTTOM OF FOOTINGS, UNLESS OTHERWISE NOTED.
- SEE SHEET S-1.1 FOR FOOTING SCHEDULE.
- COORDINATE LIMITS OF DEPRESSED SLAB WITH ARCHITECTURAL DRAWINGS.
- COORDINATE OPENING IN GRATING OVER VENT PIT WITH MECHANICAL DRAWINGS.
- TOP OF CONCRETE WALL FLUSH WITH FINISH FLOOR, UNLESS OTHERWISE NOTED.
- TOP OF STEEL FLOOR BEAMS 99'-8" UNLESS OTHERWISE NOTED.
- POSITION METAL DECK SUCH THAT FLUTE IS CENTERED ON W18 GIRDERS.

LAST PLOT DATE: 4/8/98
 KLA/RRD/MRA/ANHC-SL2.DGN

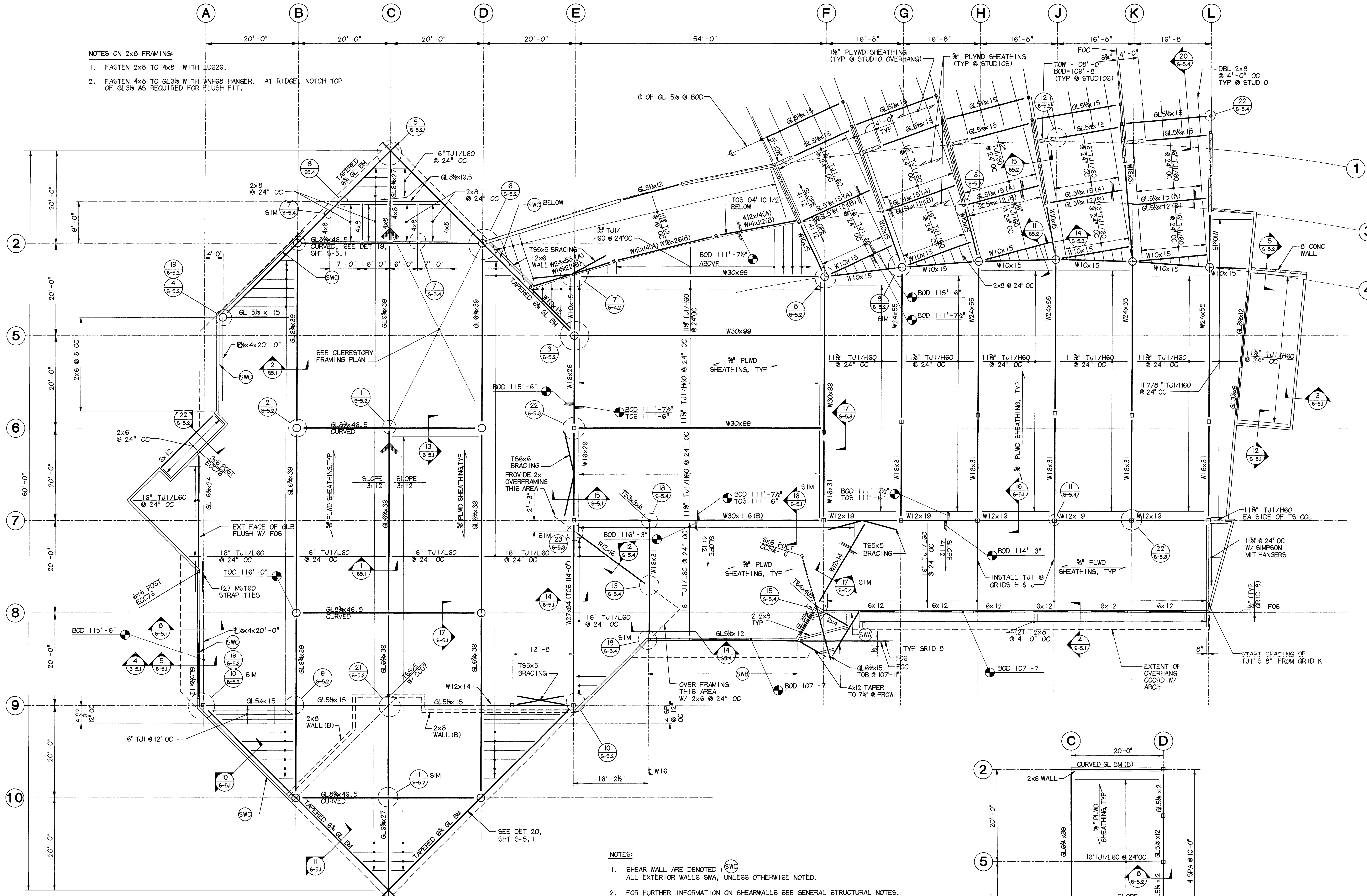


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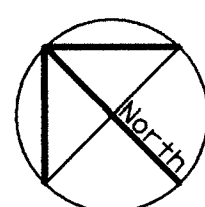
ALASKA NATIVE HERITAGE CENTER
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 ROOF FRAMING PLAN

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 Job No. 95125.6I
 Sheet No.
S-2.1
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- NOTES ON 2x8 FRAMING:
1. FASTEN 2x8 TO 4x8 WITH LUS26.
 2. FASTEN 4x8 TO GL3/8 WITH WNP68 HANGER. AT RIDGE, NOTCH TOP OF GL3/8 AS REQUIRED FOR FLUSH FIT.

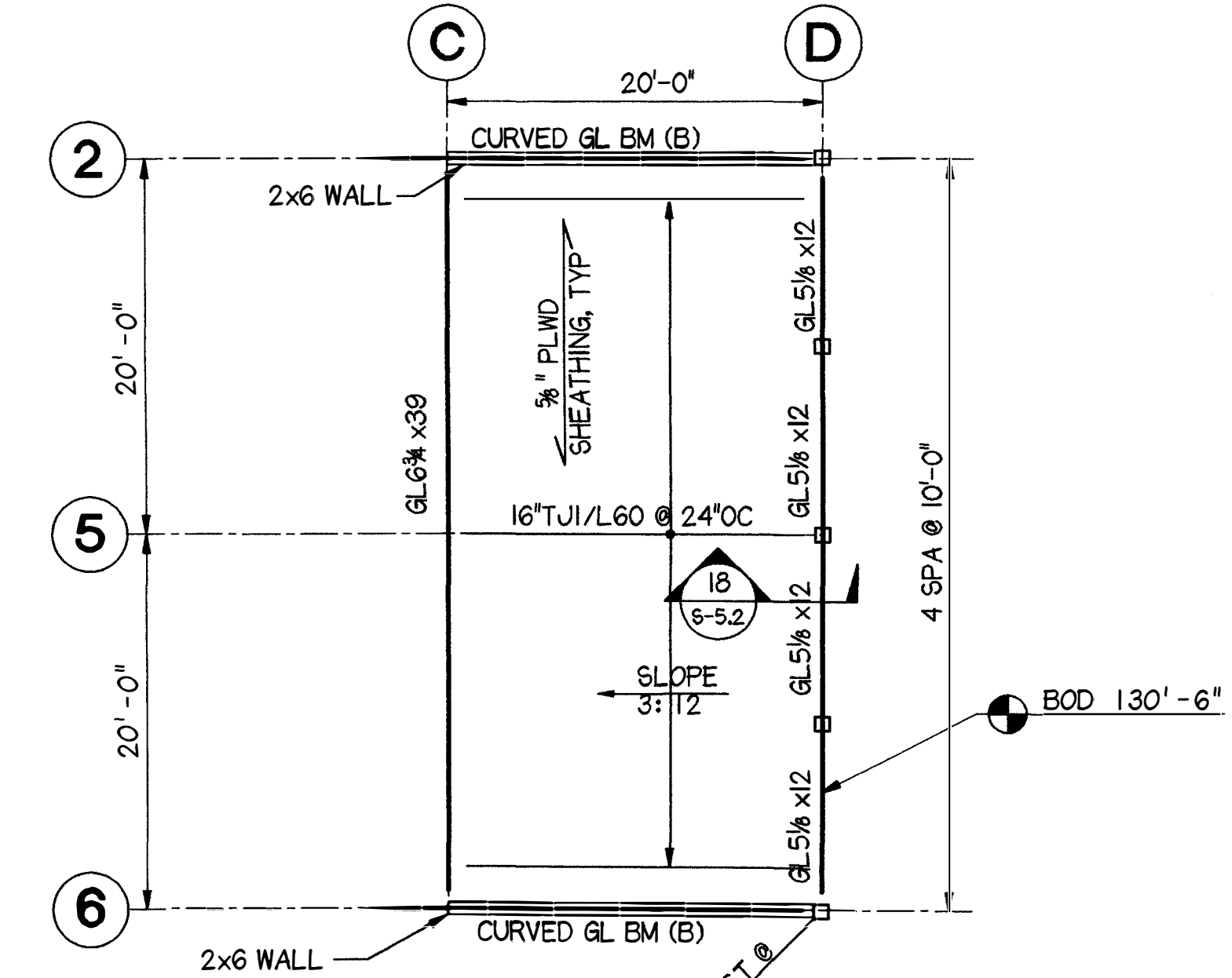


- NOTES:
1. SHEAR WALL ARE DENOTED : SWC
 ALL EXTERIOR WALLS SWA, UNLESS OTHERWISE NOTED.
 2. FOR FURTHER INFORMATION ON SHEARWALLS SEE GENERAL STRUCTURAL NOTES.
 FACE OF STUD AT EXTERIOR WALLS IS 1/2" BEYOND FACE OF FOUNDATION,
 UNLESS OTHERWISE NOTED. ALL EXTERIOR WALL STUDS 2x6 @ 16" OC,
 UNLESS OTHERWISE NOTED.
 3. BOTTOM OF DECK (BOD) ELEVATION = BOTTOM OF PLYWOOD SHEATHING.
 ELEVATIONS ARE AT CENTERLINE OF GRID UNLESS OTHERWISE NOTED.



ROOF FRAMING PLAN

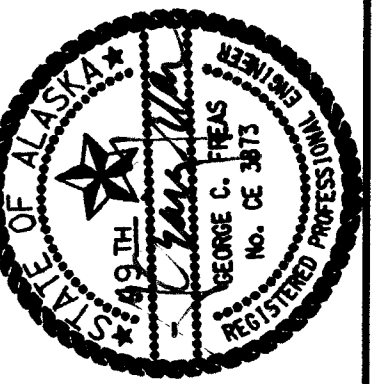
1/8" = 1' - 0"



CLERESTORY FRAMING

1/8" = 1' - 0"

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 FOUNDATION SECTIONS AND DETAILS

Revisions

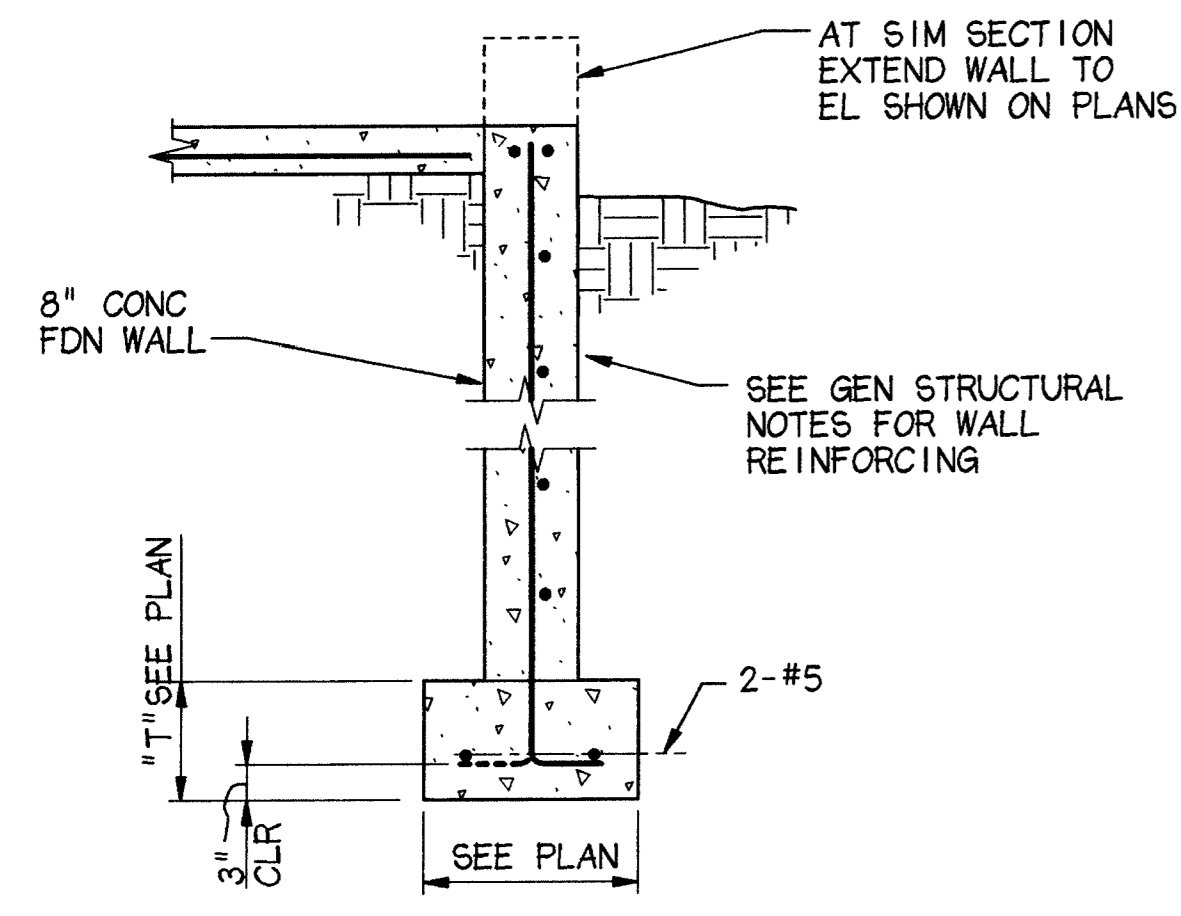
CONFORMED DRAWINGS

Date 04/17/98
 Drawn KLA, CMM
 Checked KDA
 Cadd ANHCS4-LDGN
 Job No. 95125.61

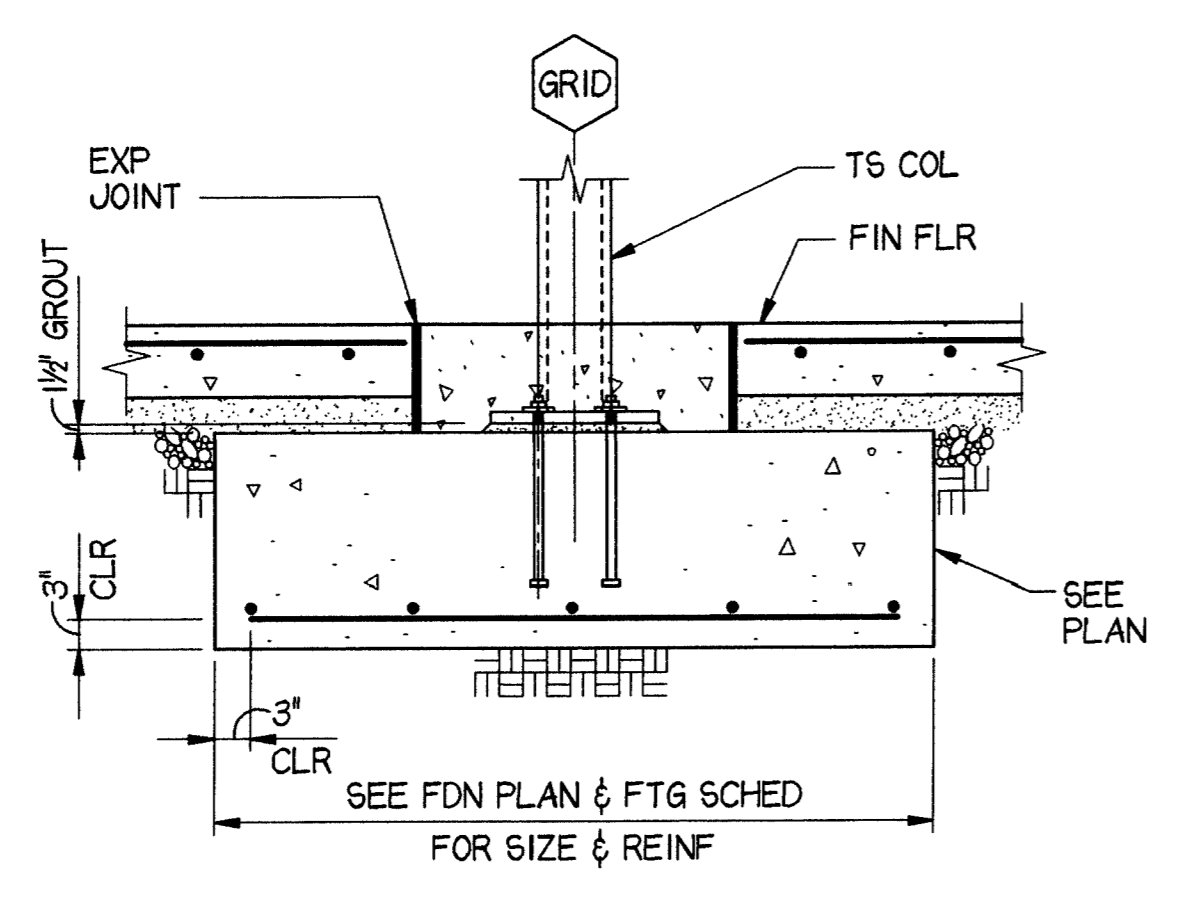
Sheet No.

S-4.1

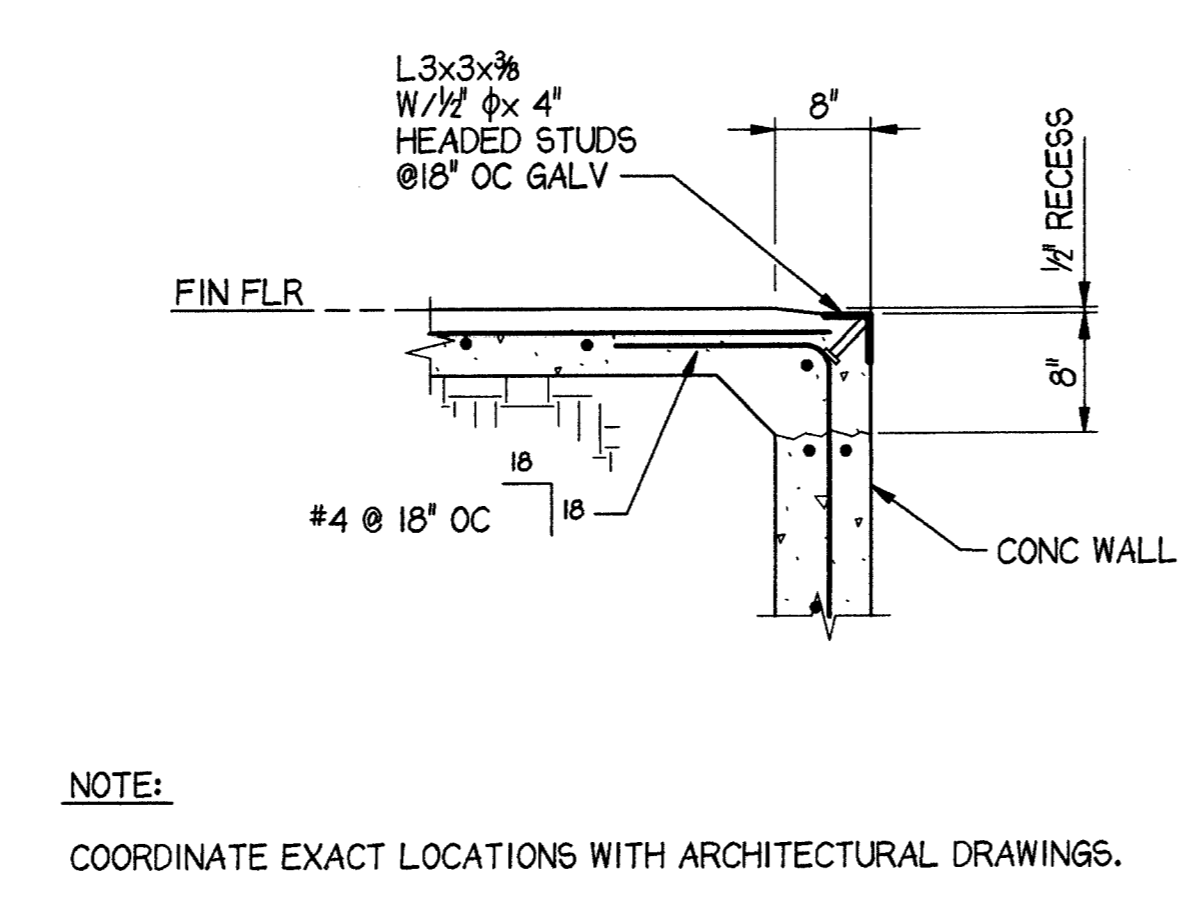
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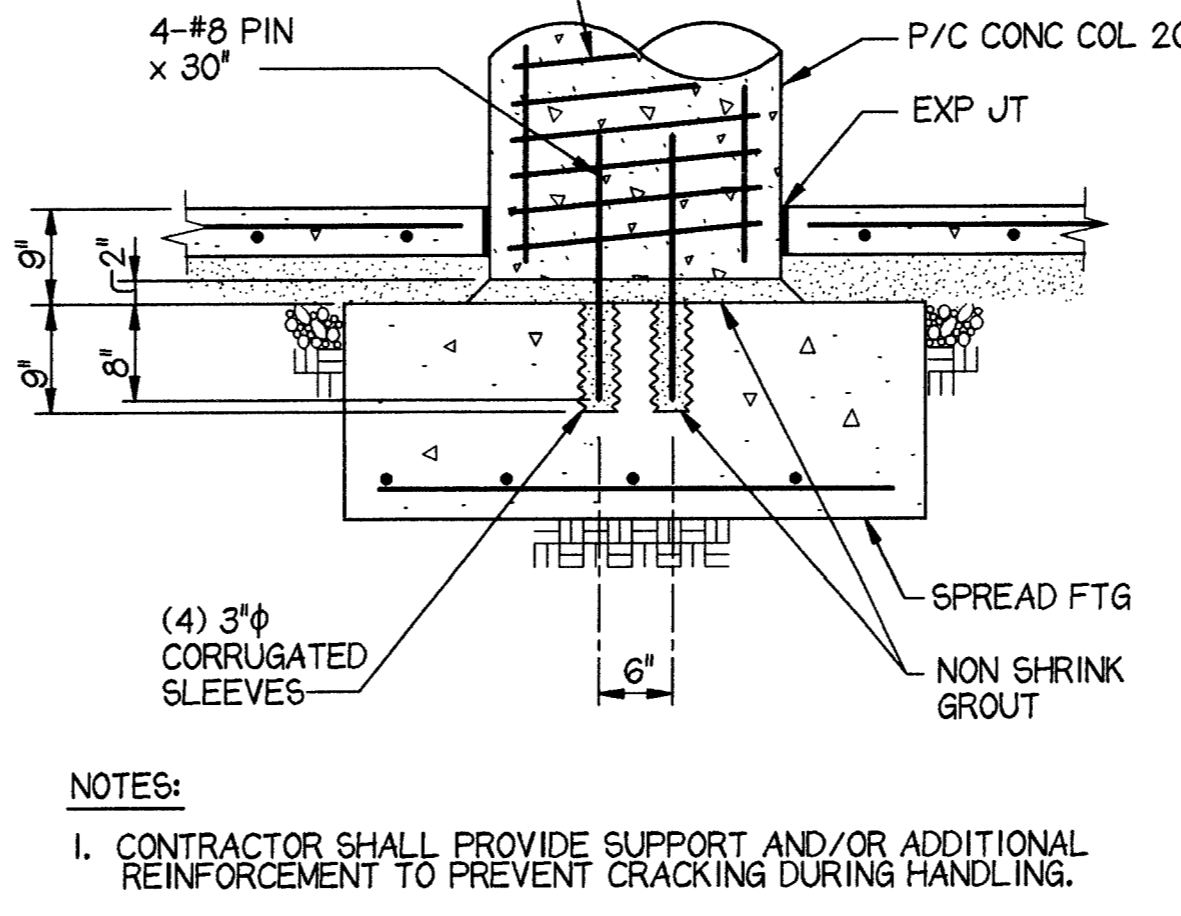
1 TYP FDN WALL
 3/4" = 1'-0"



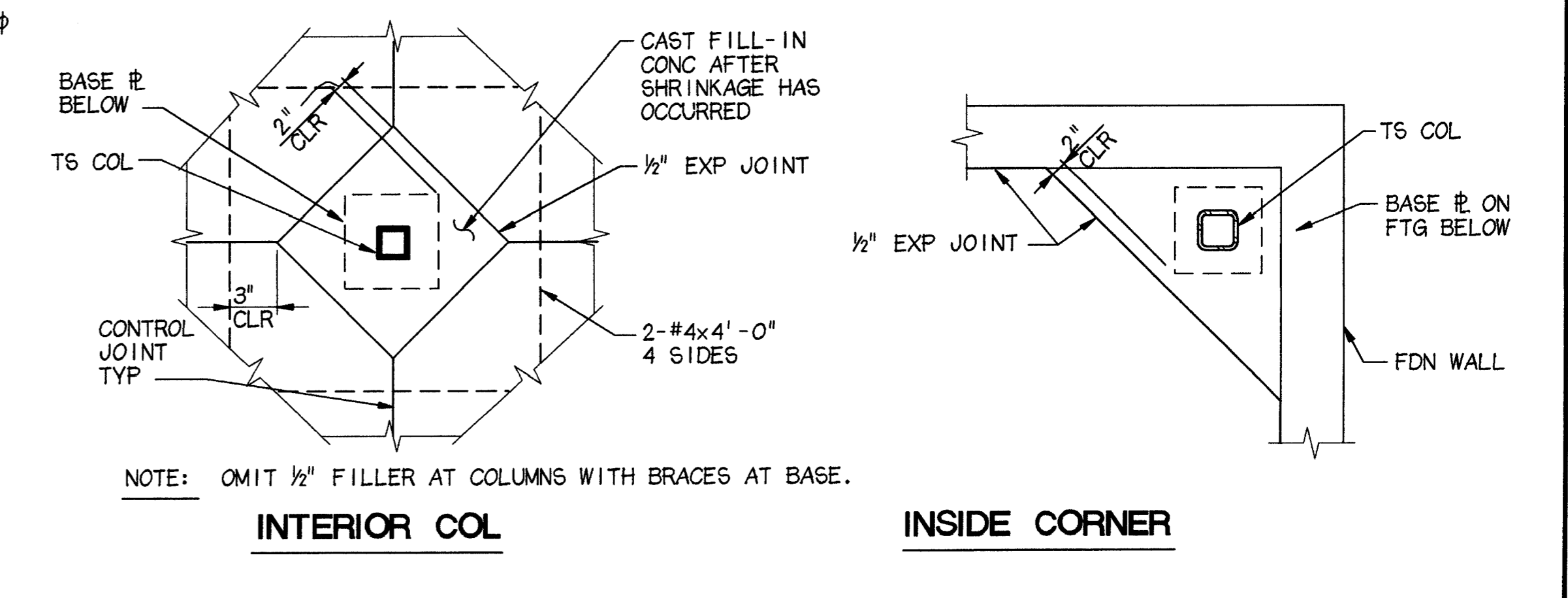
2 TYP INT TS COL FTG
 3/4" = 1'-0"



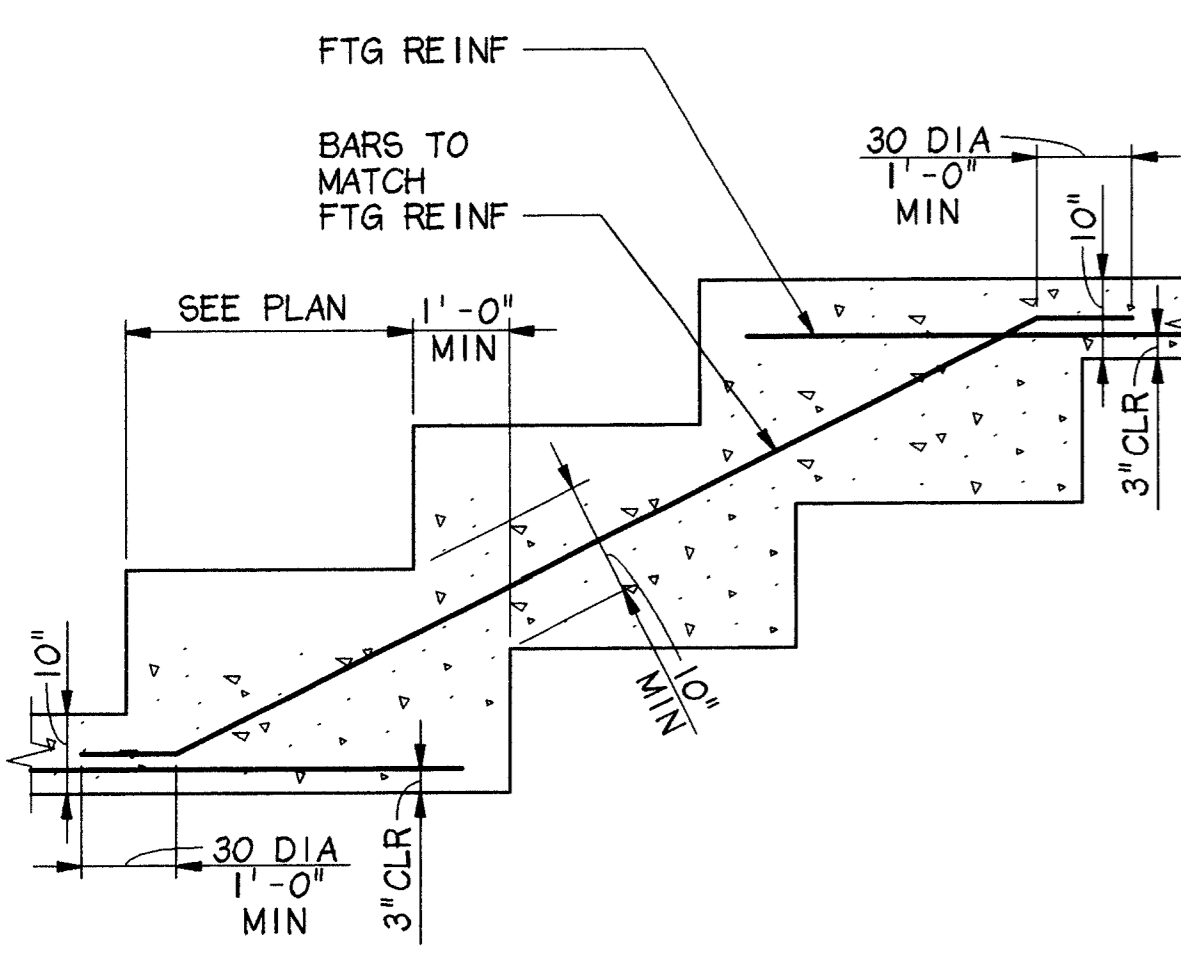
3 TYP THRESHOLD @ CH DOOR
 3/4" = 1'-0"



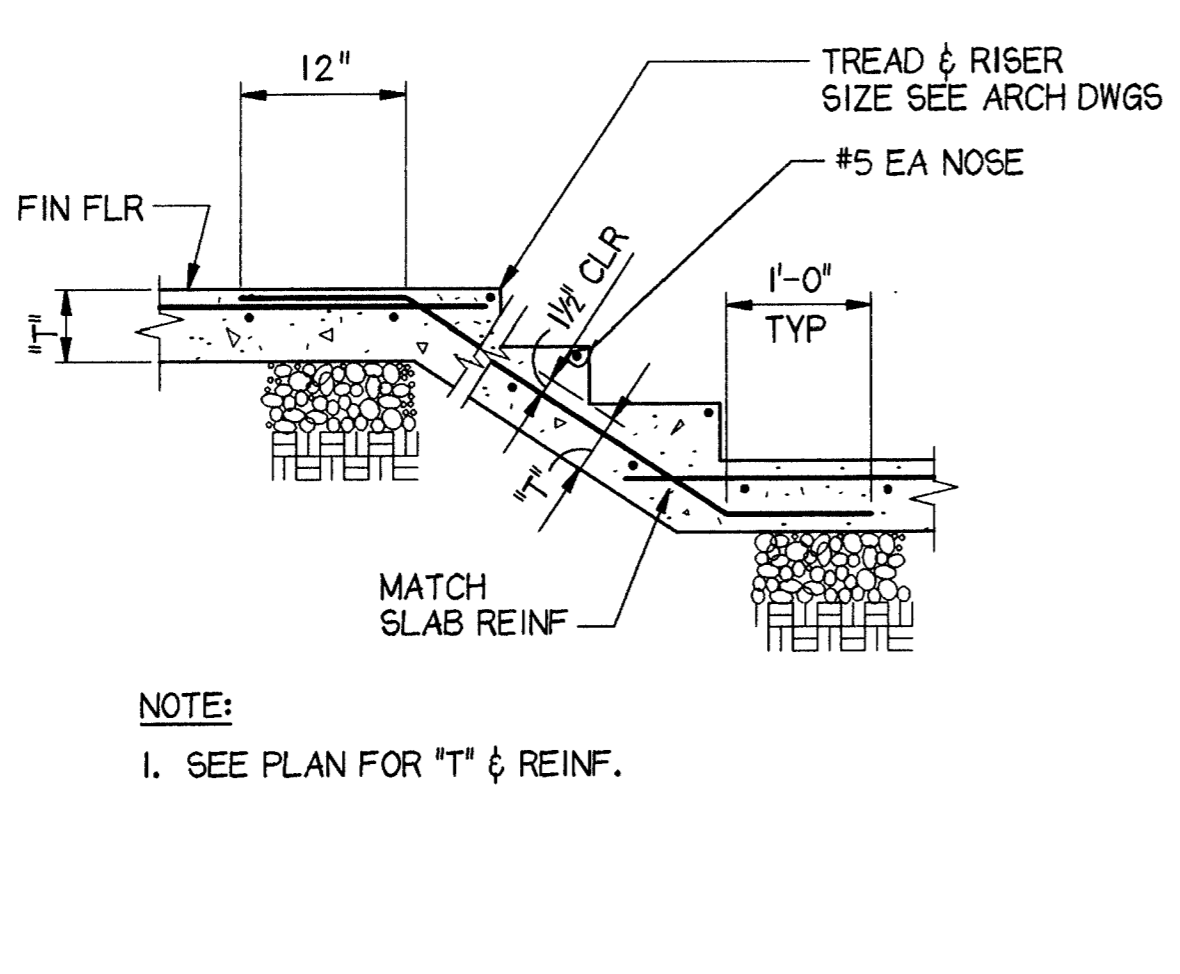
4 P/C COL/FTG
 3/4" = 1'-0"



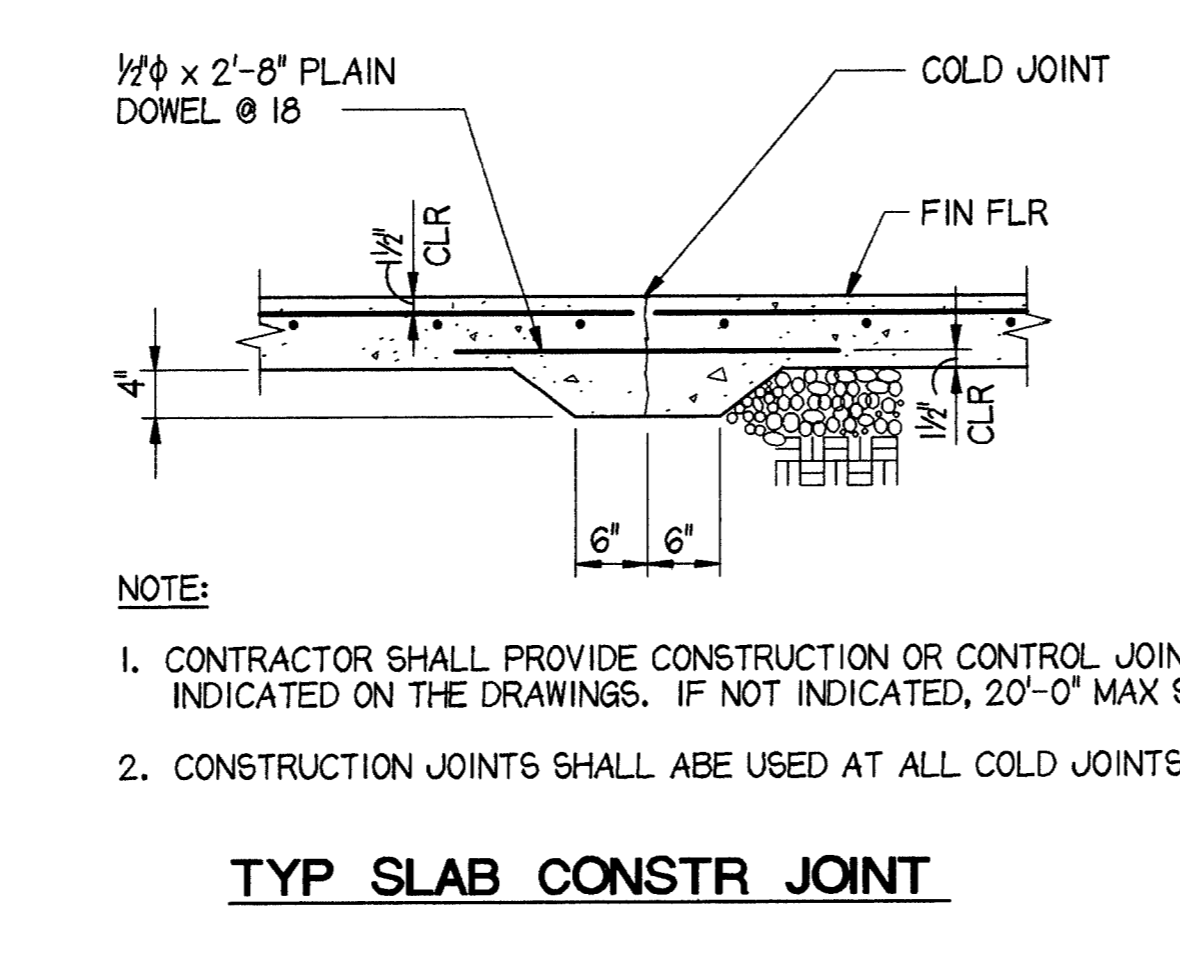
5 TYP COLUMN ISOLATION JOINTS
 3/4" = 1'-0"



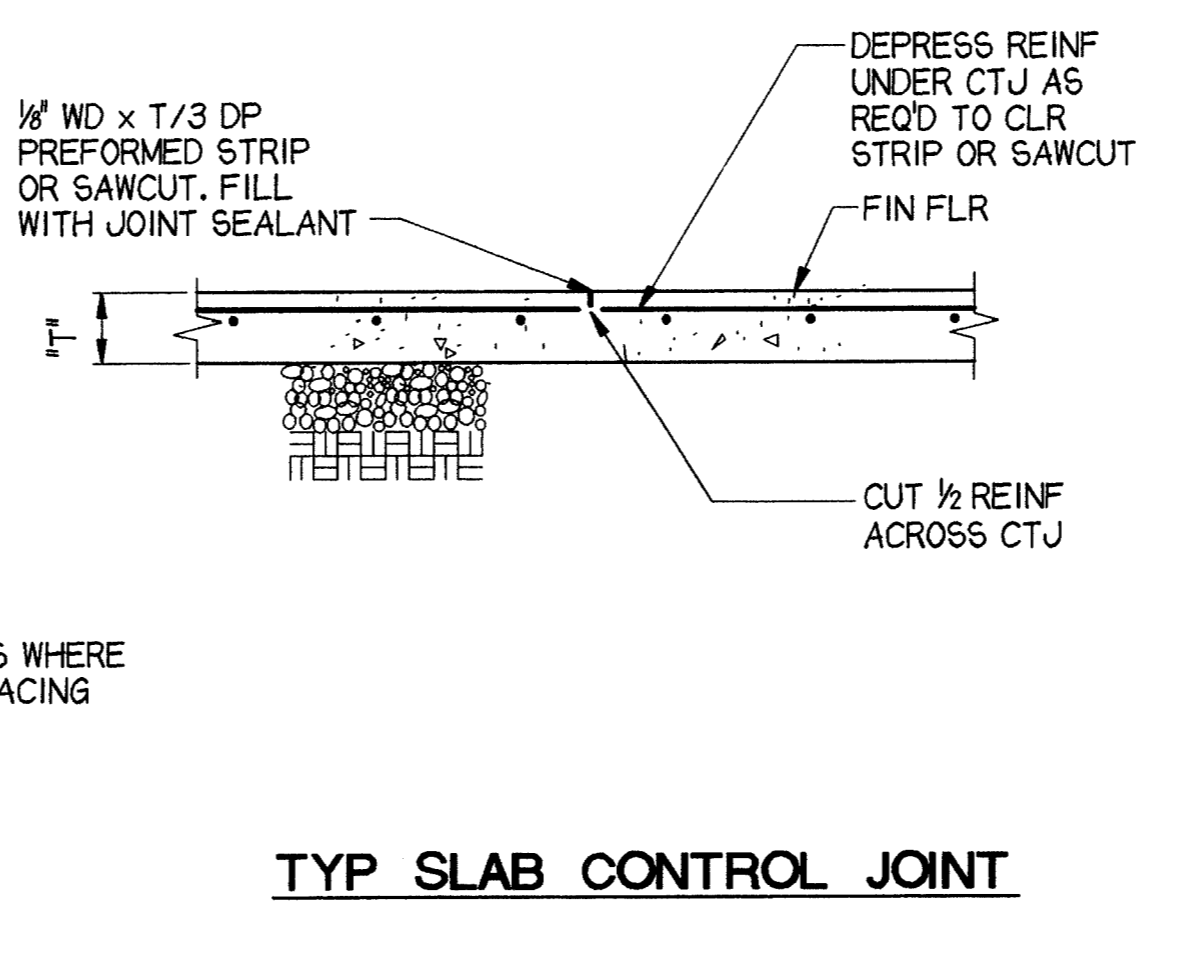
7 TYP STEPPED FOOTING
 1/2" = 1'-0"



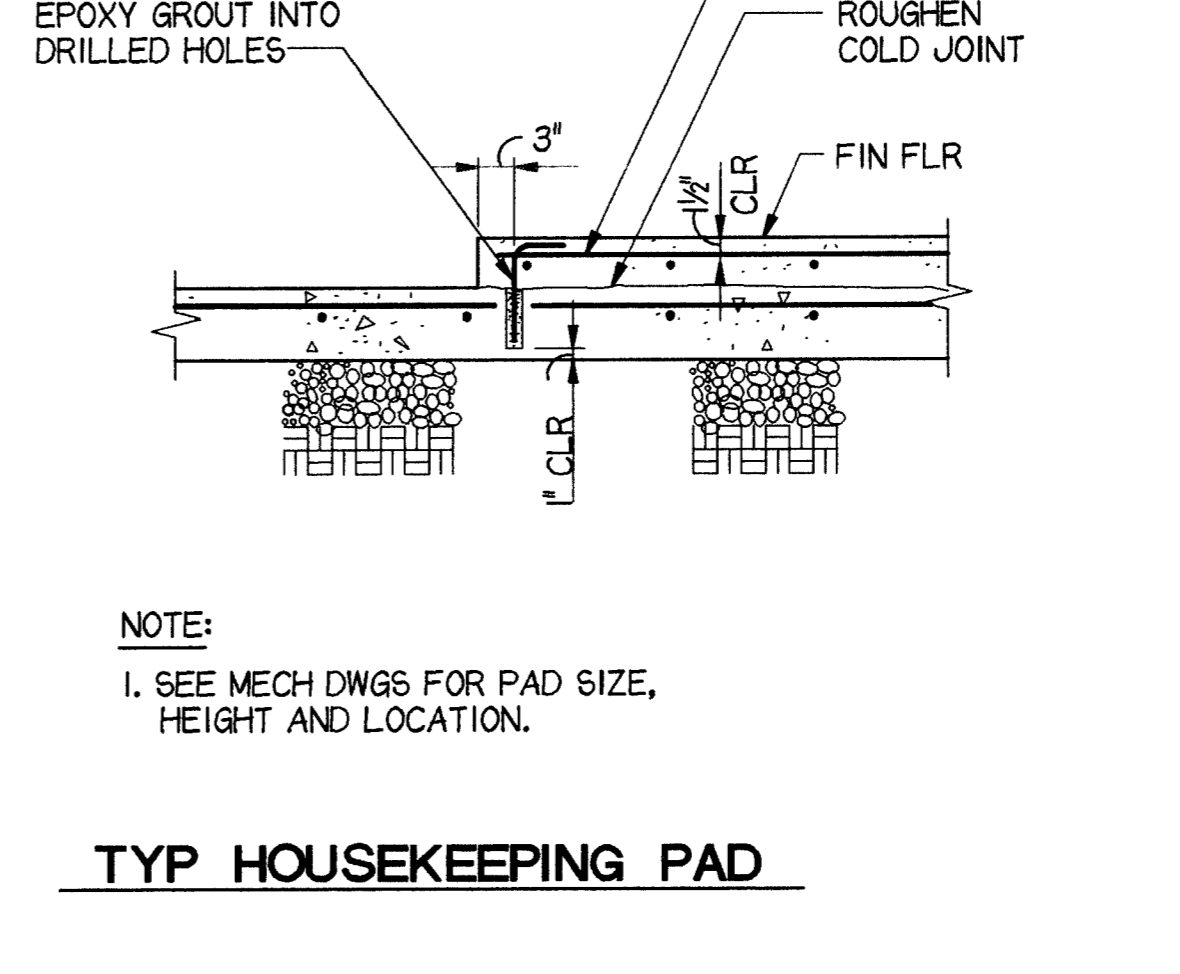
8 TYP STAIR ON GRADE
 3/4" = 1'-0"



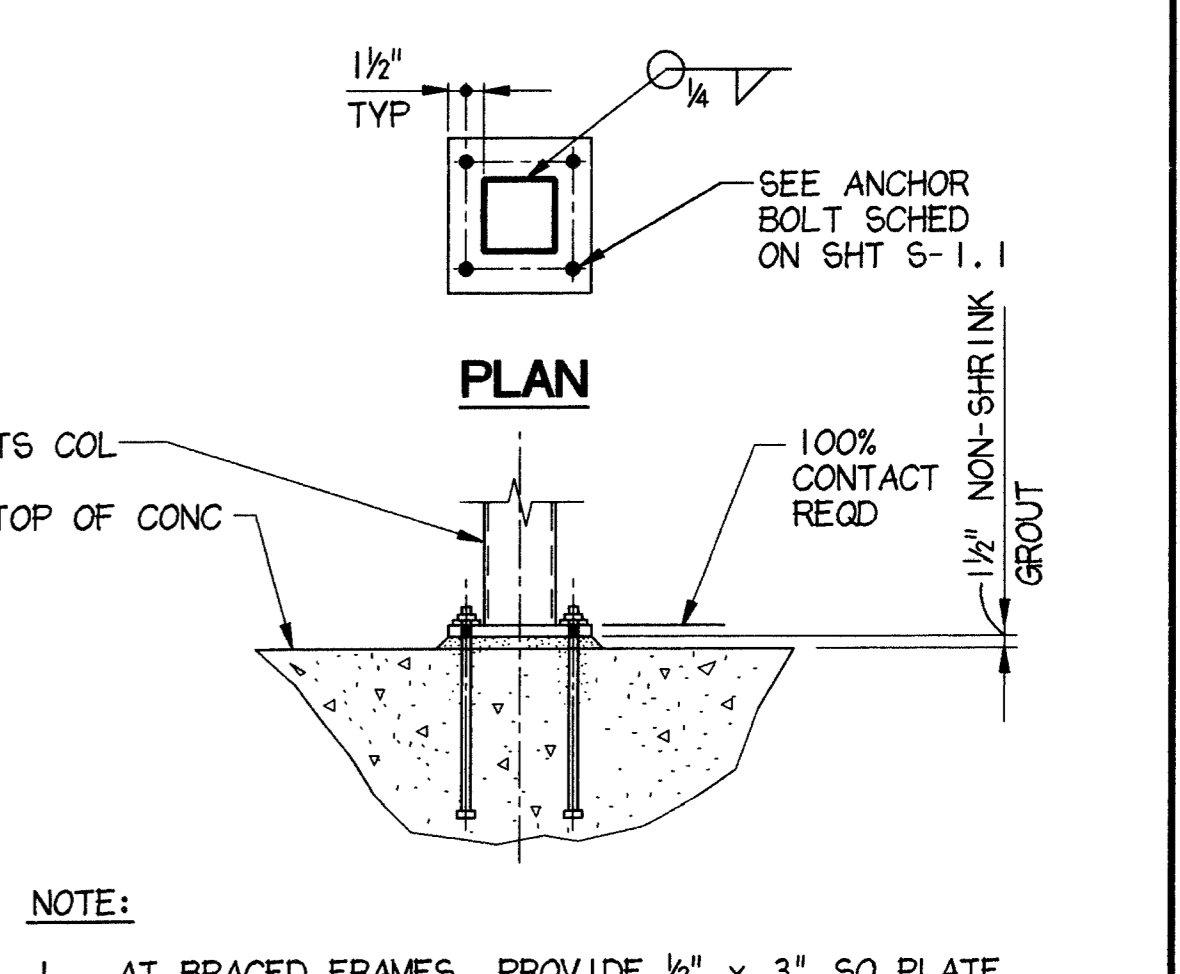
9 TYP SLAB CONSTR JOINT
 3/4" = 1'-0"



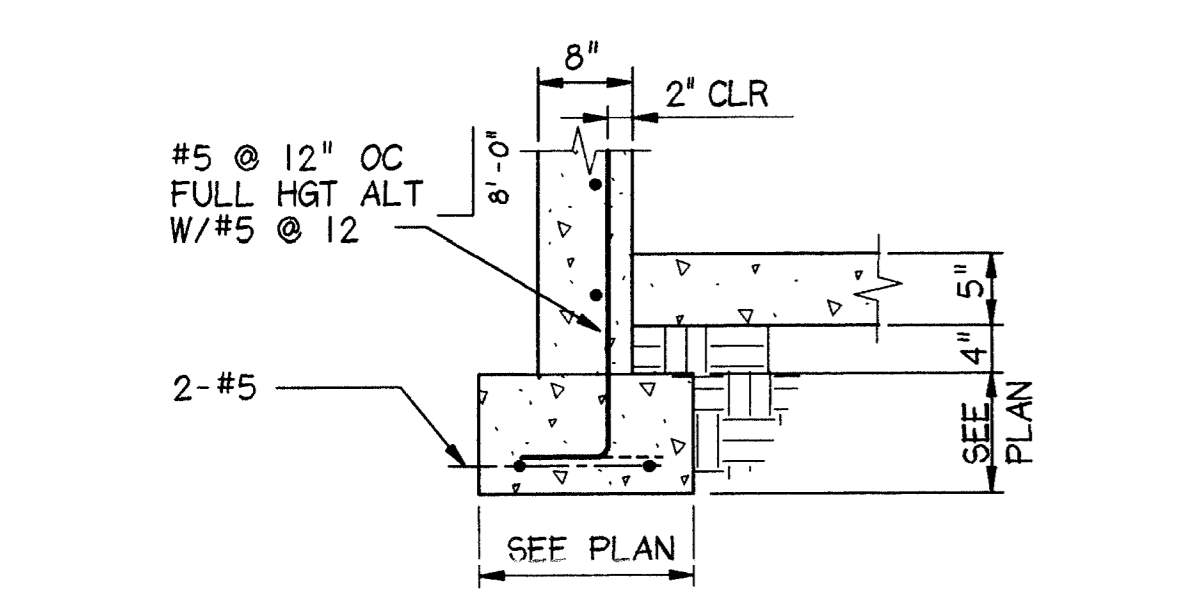
10 TYP SLAB CONTROL JOINT
 3/4" = 1'-0"



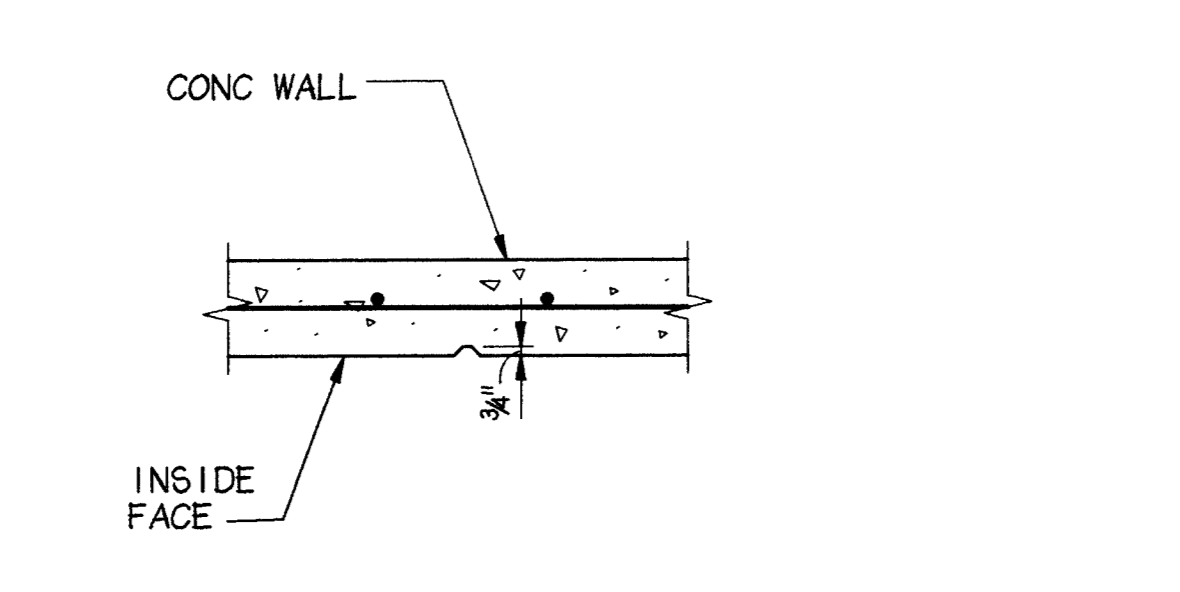
11 TYP HOUSEKEEPING PAD
 3/4" = 1'-0"



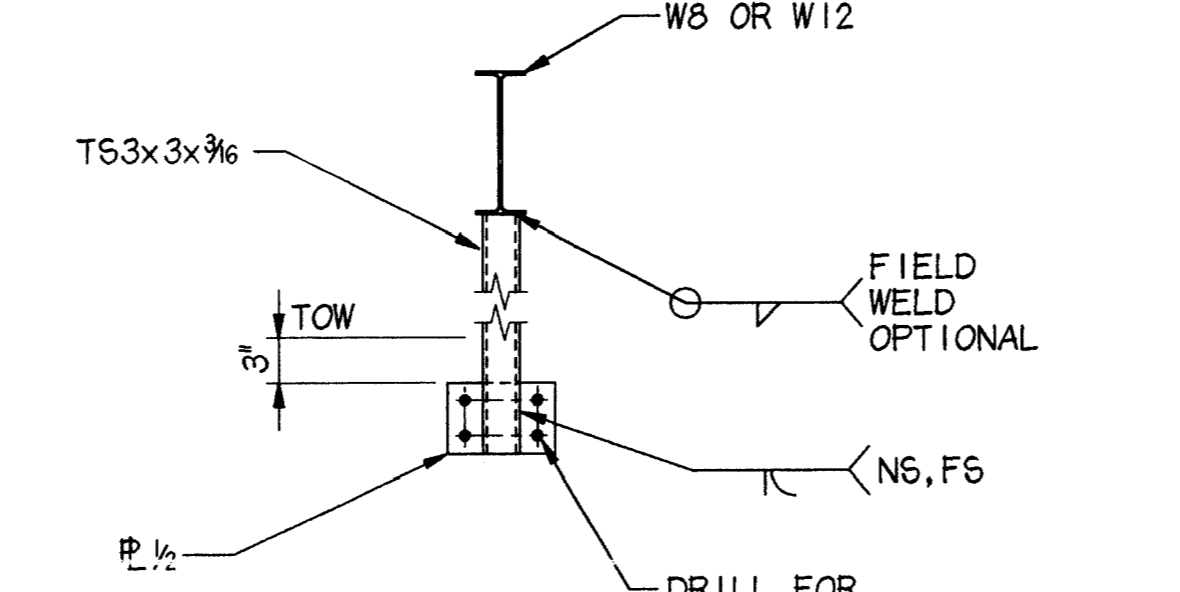
12 TYP TS COL BASE PL
 NO SCALE



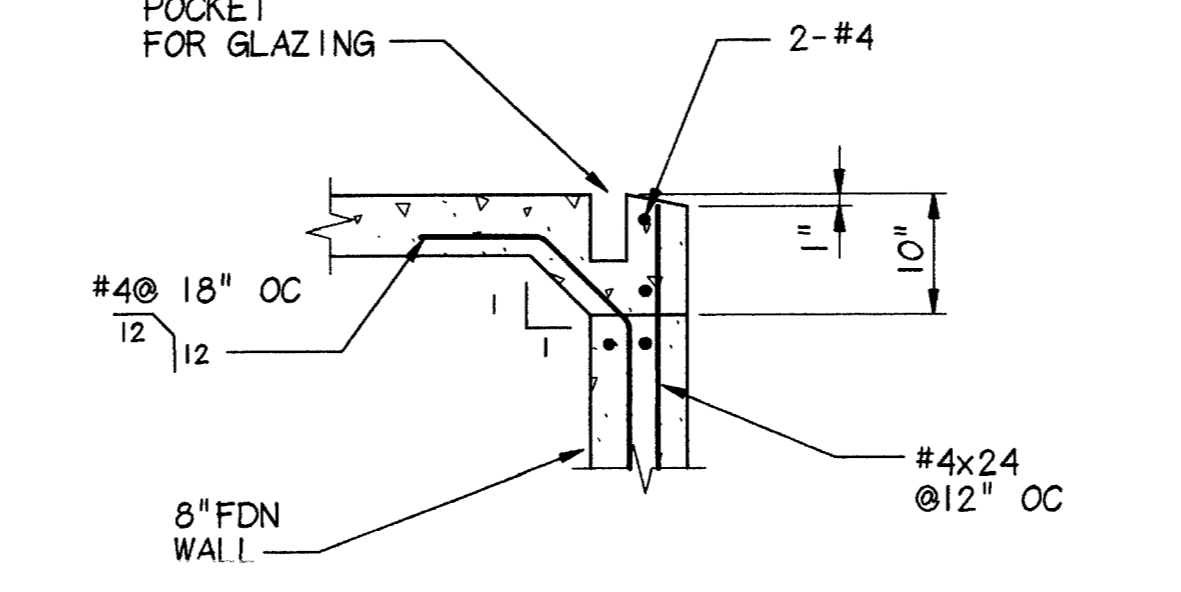
13 SECTION @ BASEMENT
 3/4" = 1'-0"



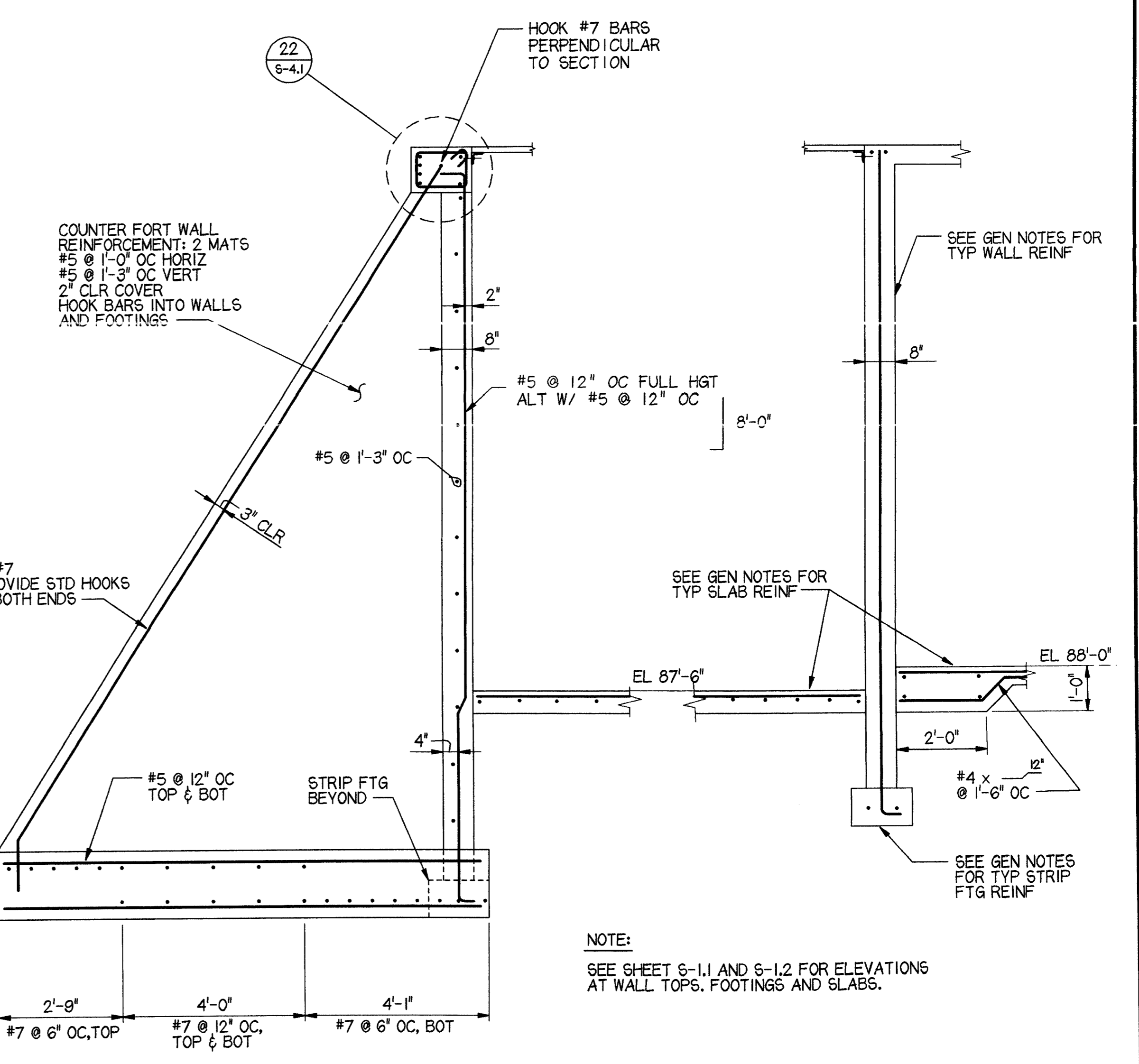
14 TYP VERT CONTROL JT @ CONC WALL
 3/4" = 1'-0"



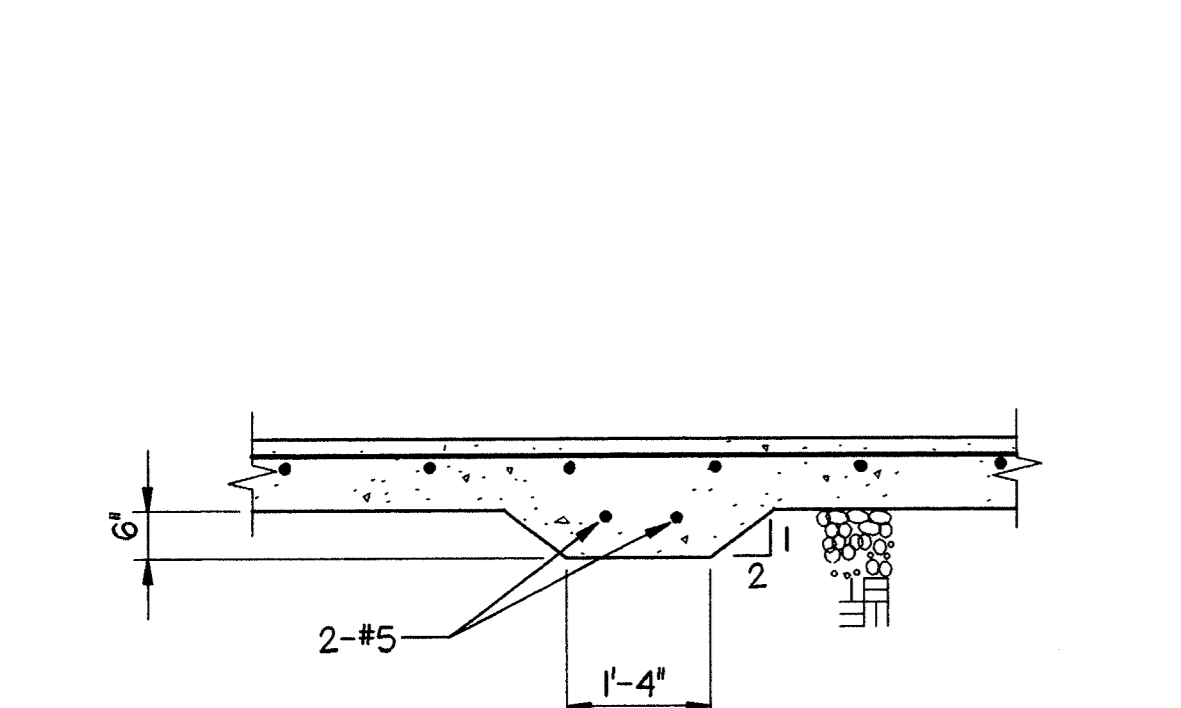
15 TS BEAM SUPPORT
 3/4" = 1'-0"



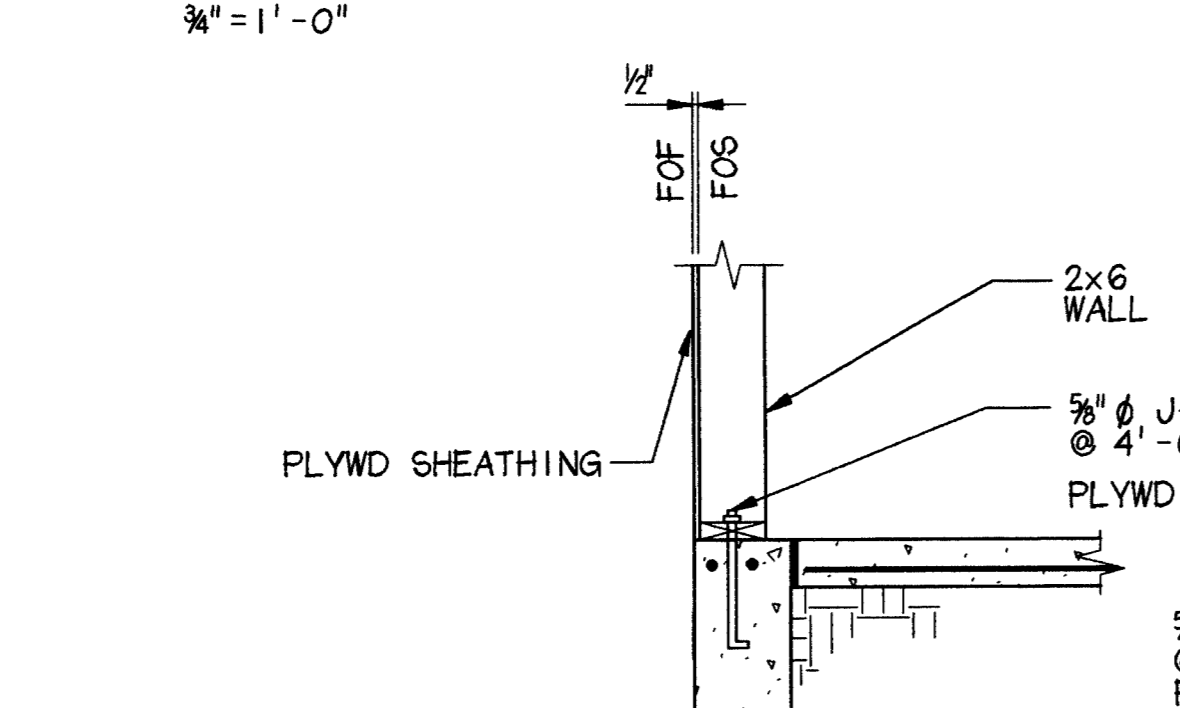
16 DETAIL
 3/4" = 1'-0"



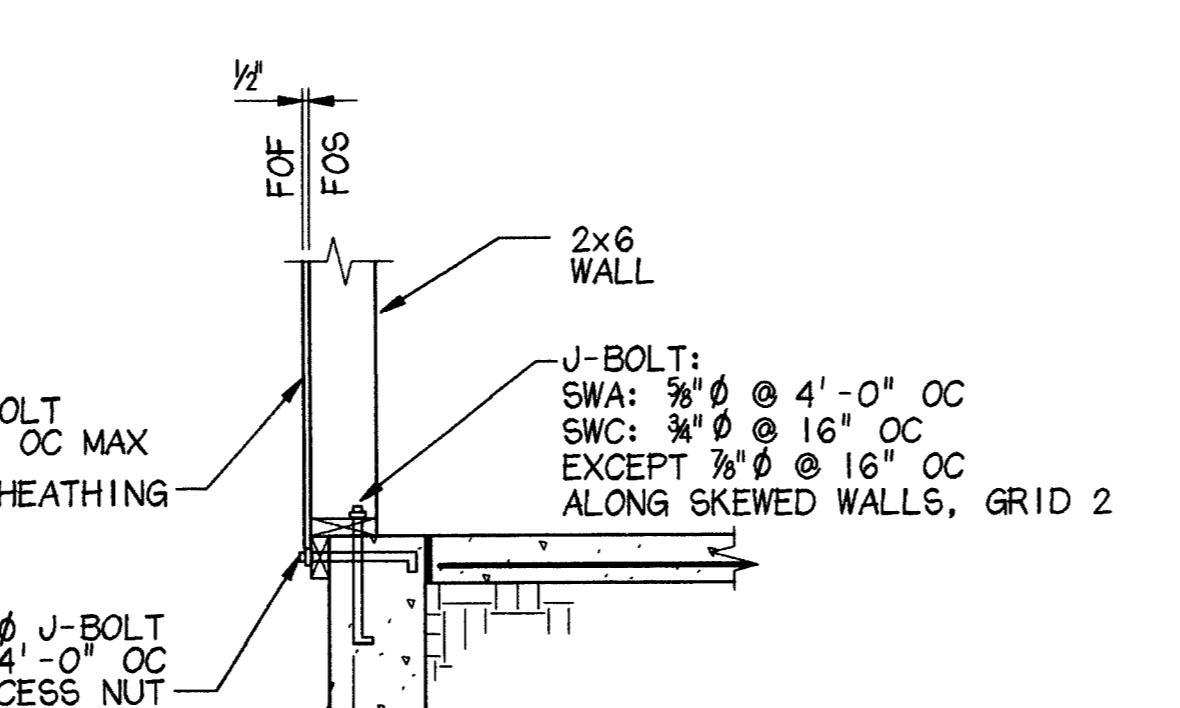
23 SECTION AT MECHANICAL PIT
 1/2" = 1'-0"



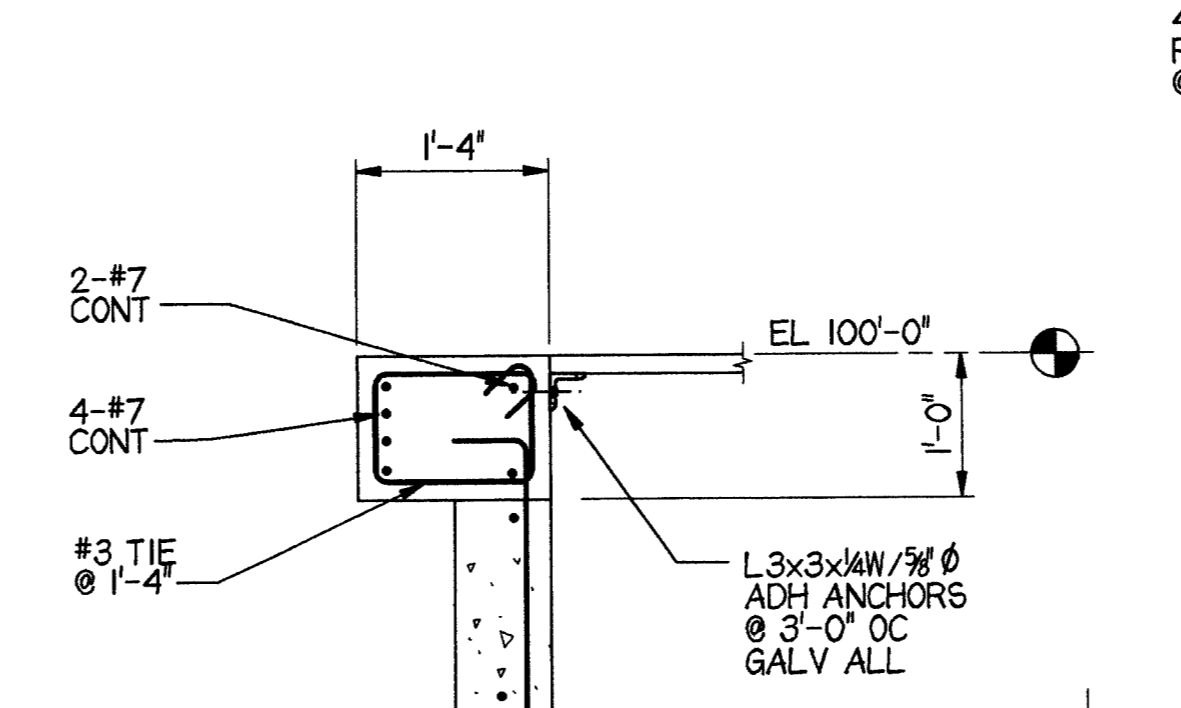
19 THICKENED SLAB
 3/4" = 1'-0"



20 SILL PLATE DETAILS
 3/4" = 1'-0"

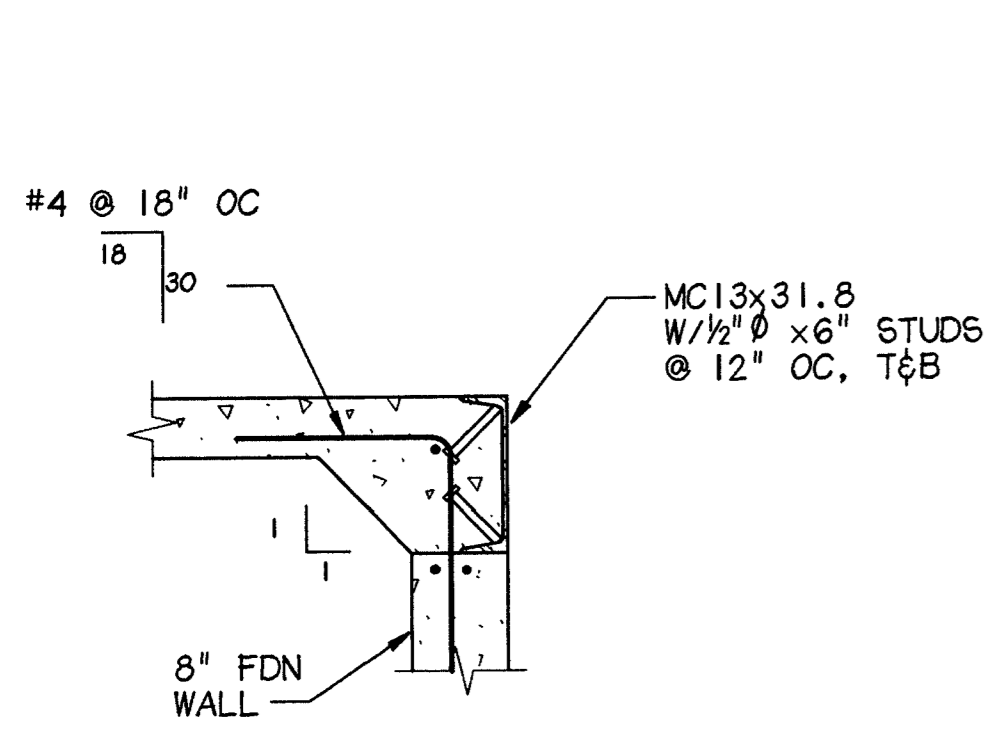


21 TYP VERT CONTROL JT @ CONC WALL
 3/4" = 1'-0"

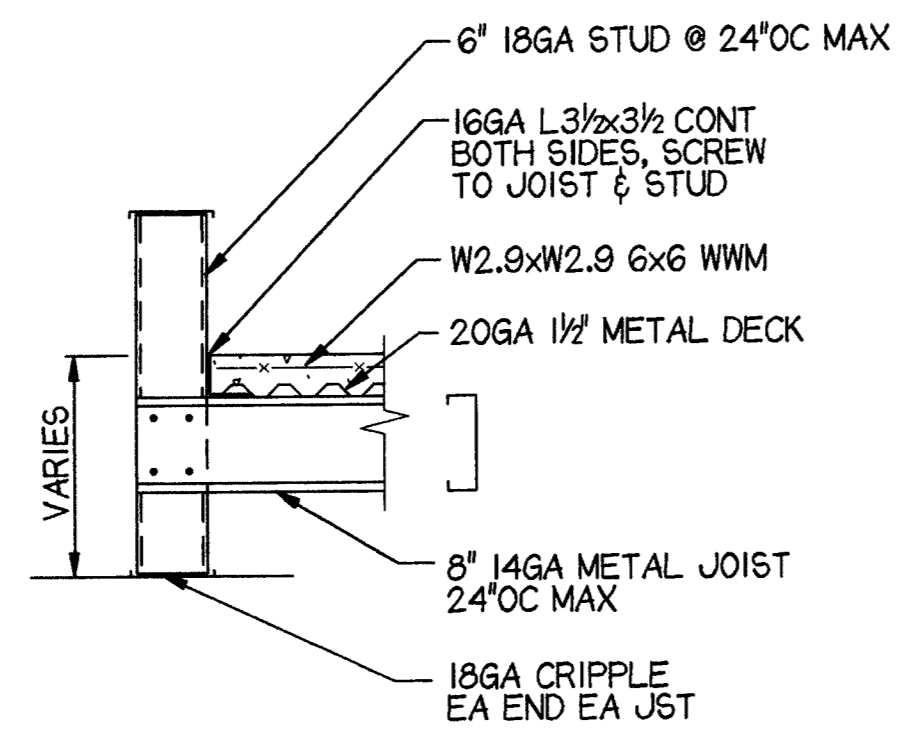


22 TOP OF RETAINING WALL NORTH SIDE OF PIT
 3/4" = 1'-0"

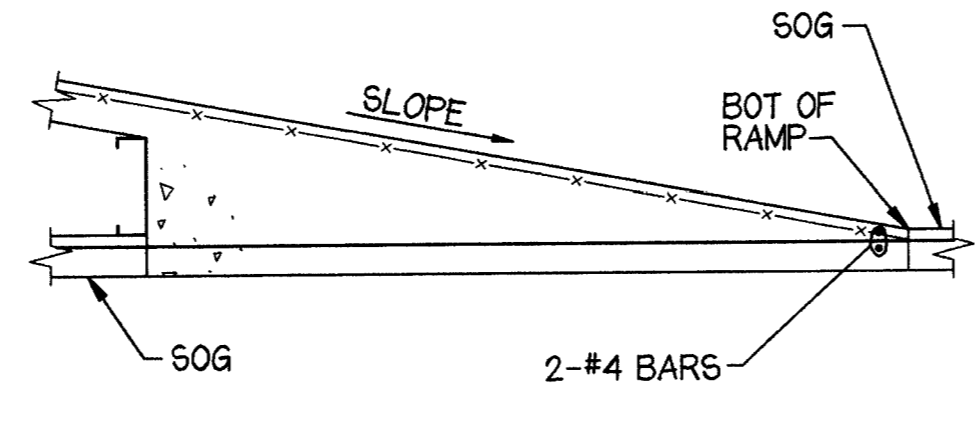
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 4/26/98 5:55:56 AM/MS/SL/03



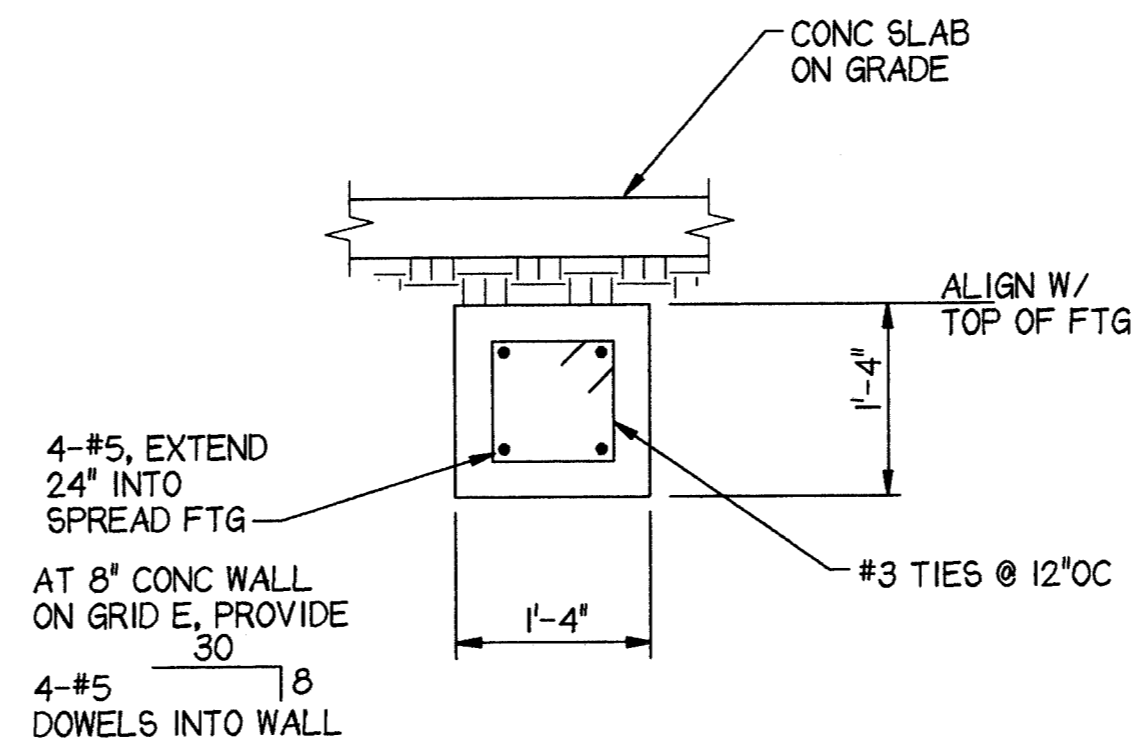
1 SECTION @ LOADING DOCK
3/4" = 1'-0"



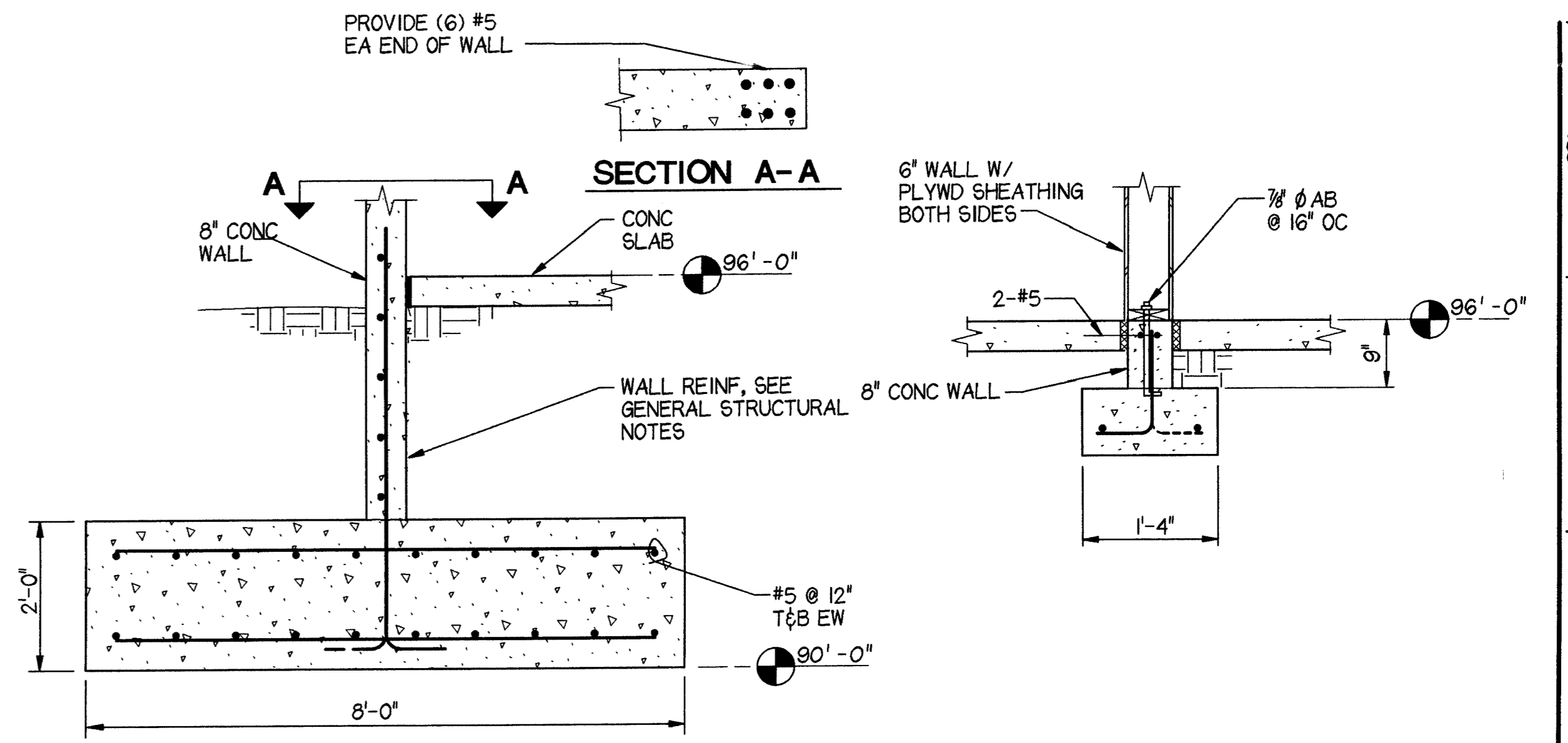
2 RAMP SECTION
3/4" = 1'-0"



3 RAMP END
3/4" = 1'-0"

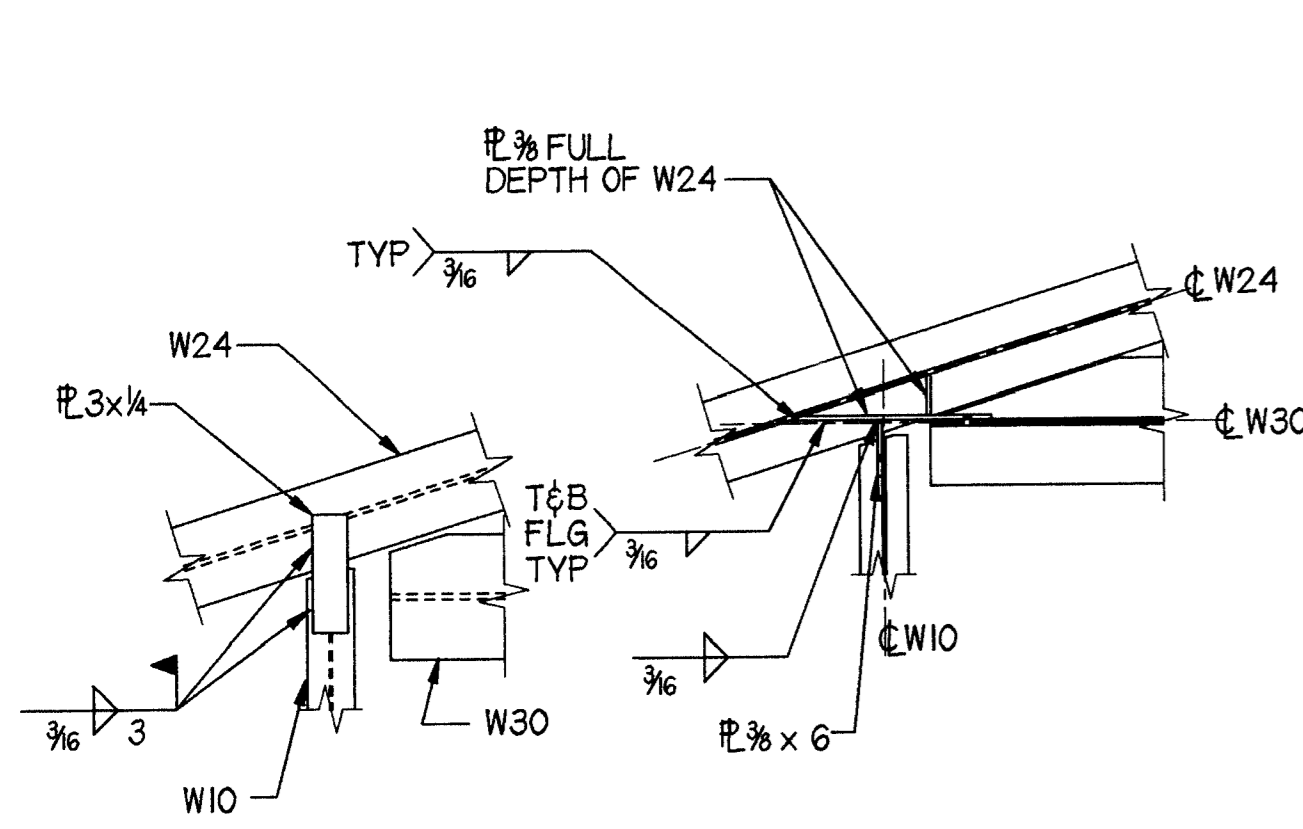


4 CONCRETE STRUT DETAIL
3/4" = 1'-0"

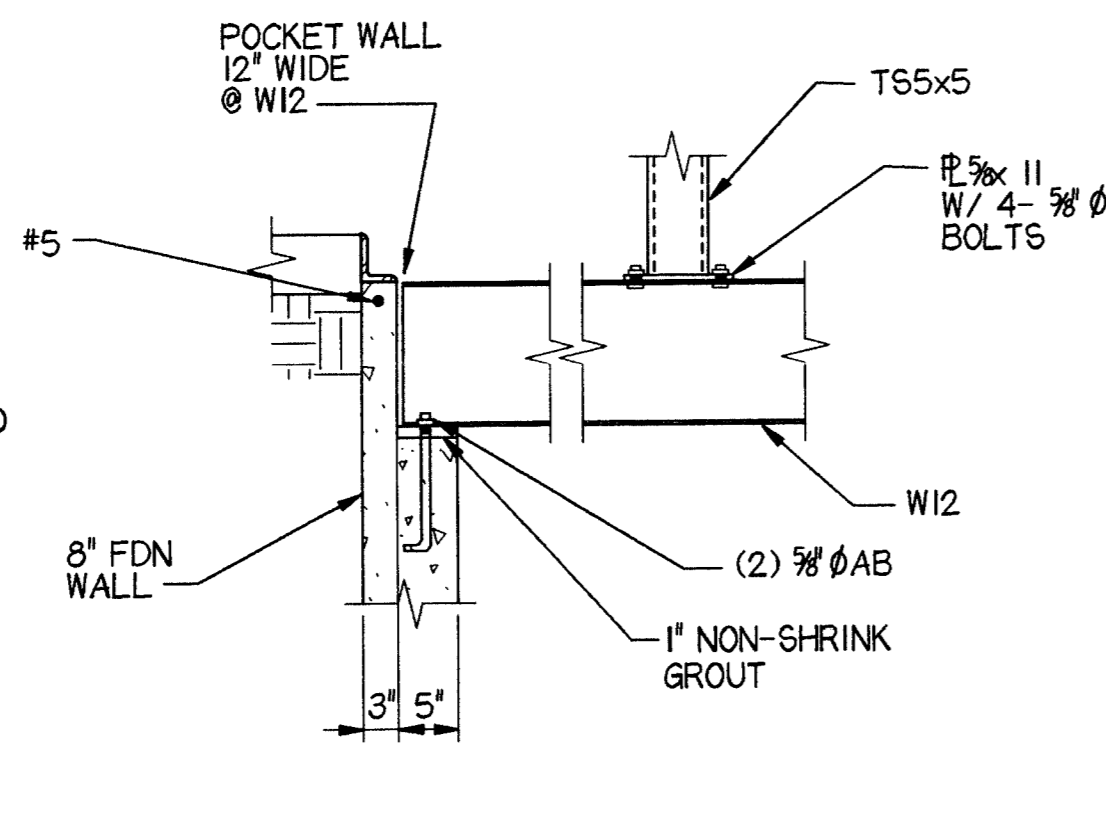


5 SECTION @ GRID 4 WALL
1/2" = 1'-0"

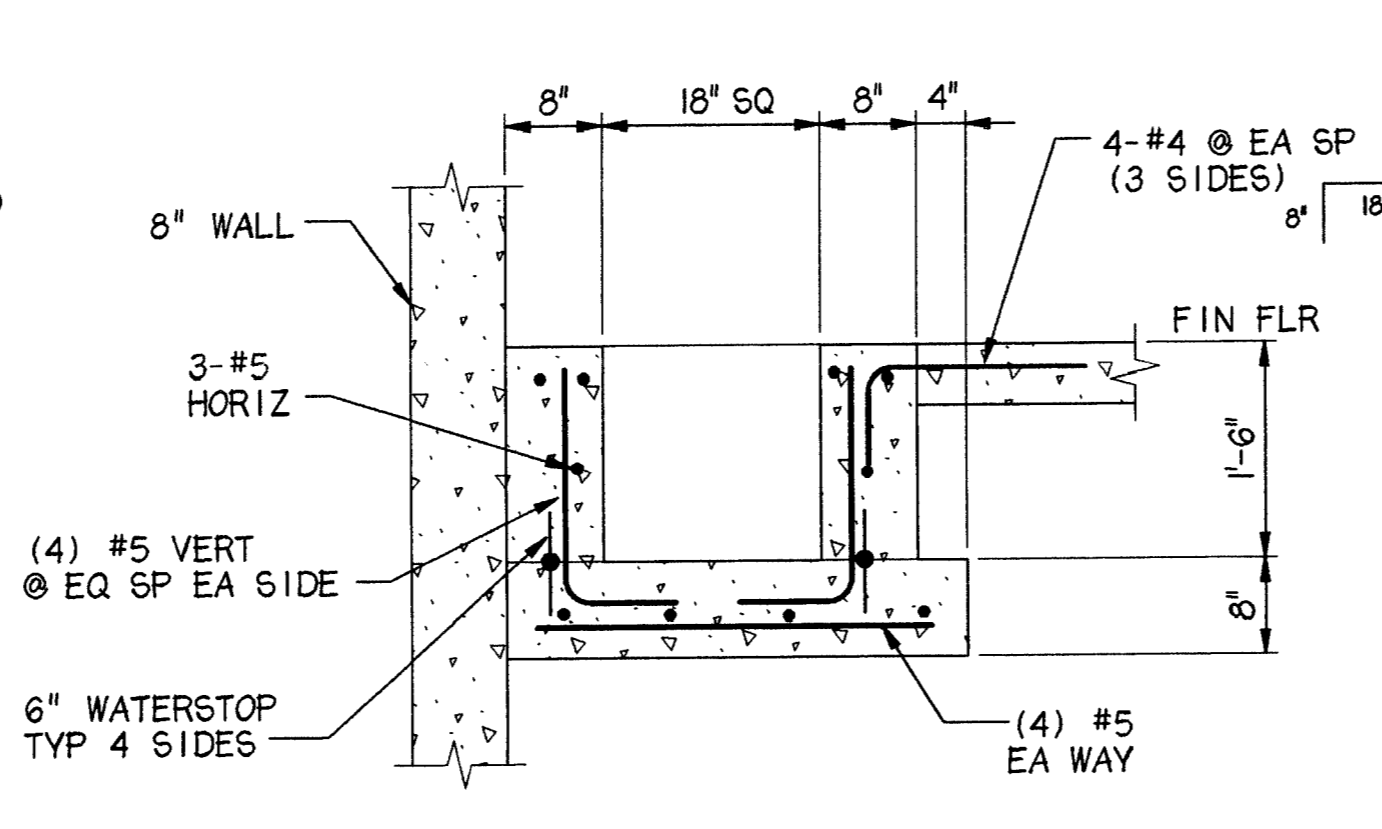
6 SECTION @ SKEWED WALL
3/4" = 1'-0"



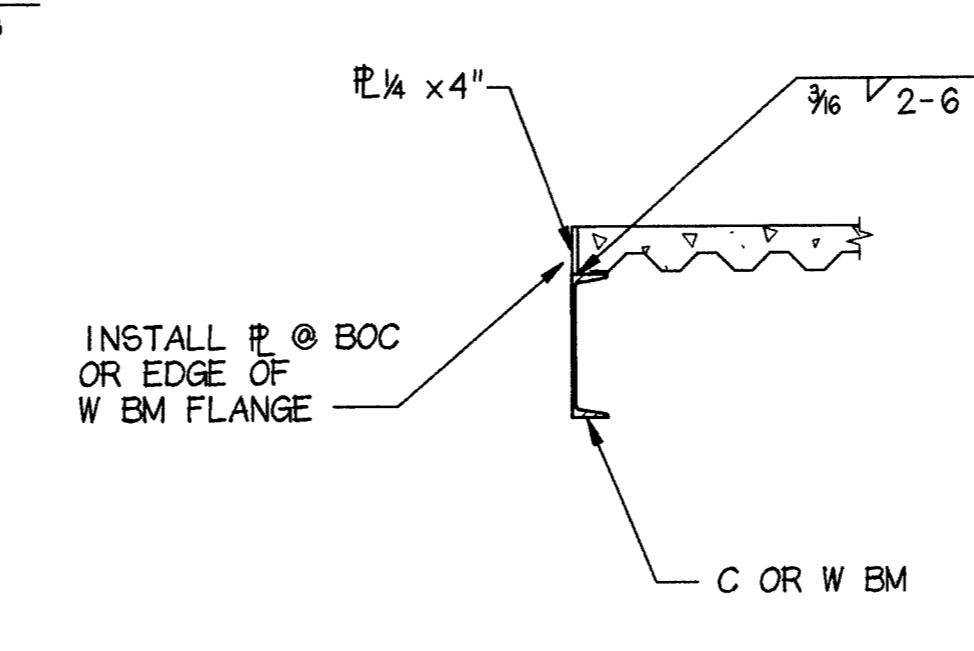
7 W30 STRUT CONN DET
3/4" = 1'-0"



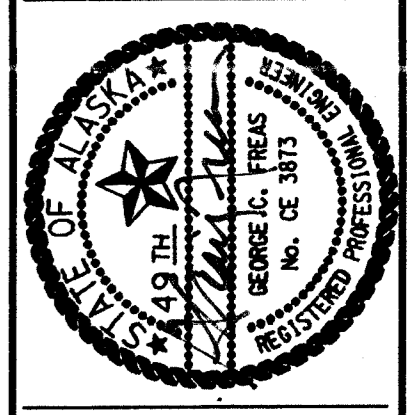
8 SECTION @ W12
3/4" = 1'-0"



9 SECTION @ SUMP
3/4" = 1'-0"



10 SLAB OPENING
3/4" = 1'-0"



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FAX 907/278-8085
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ANHC
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FOUNDATION SECTIONS AND DETAILS

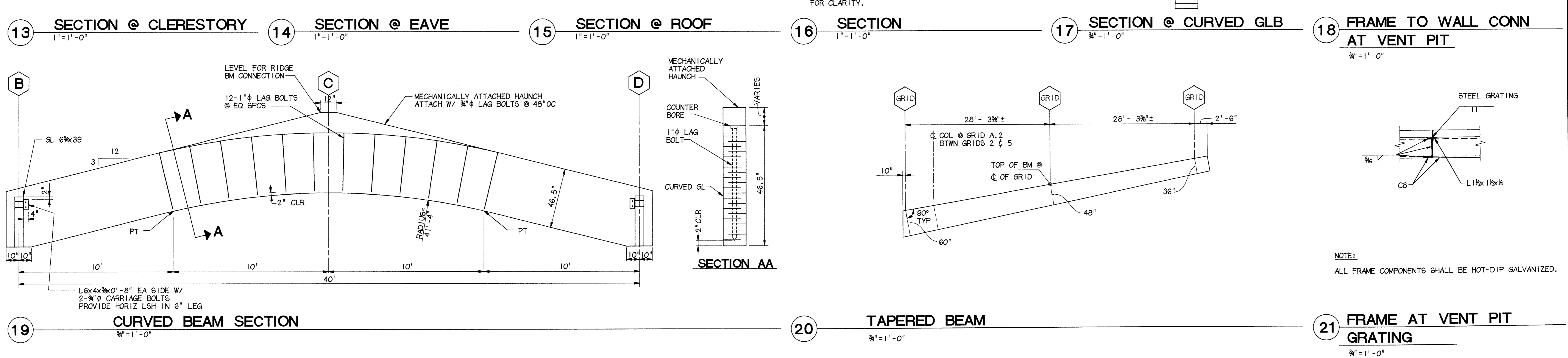
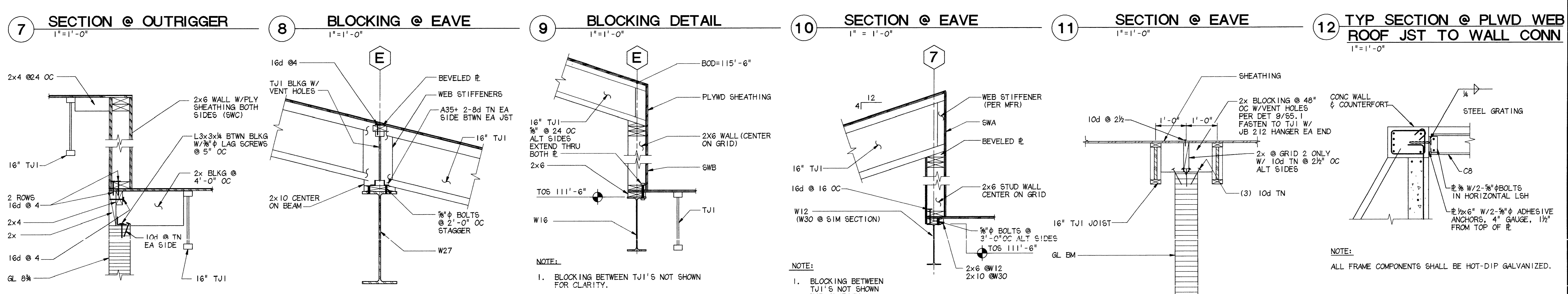
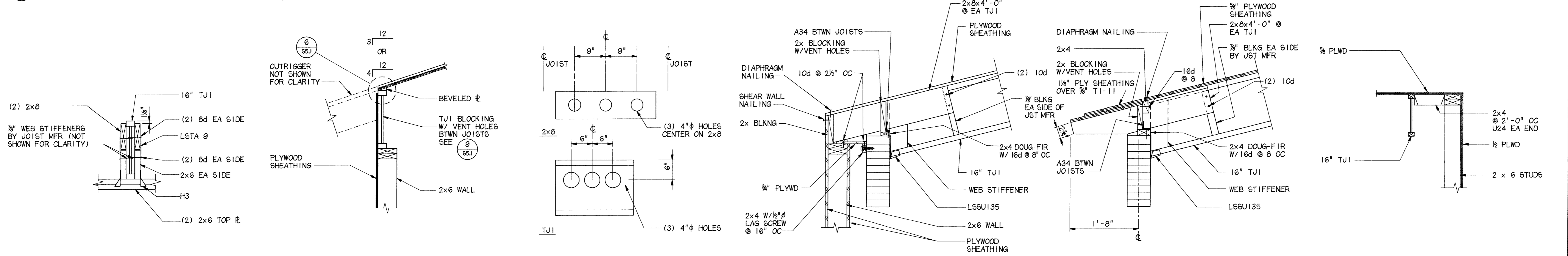
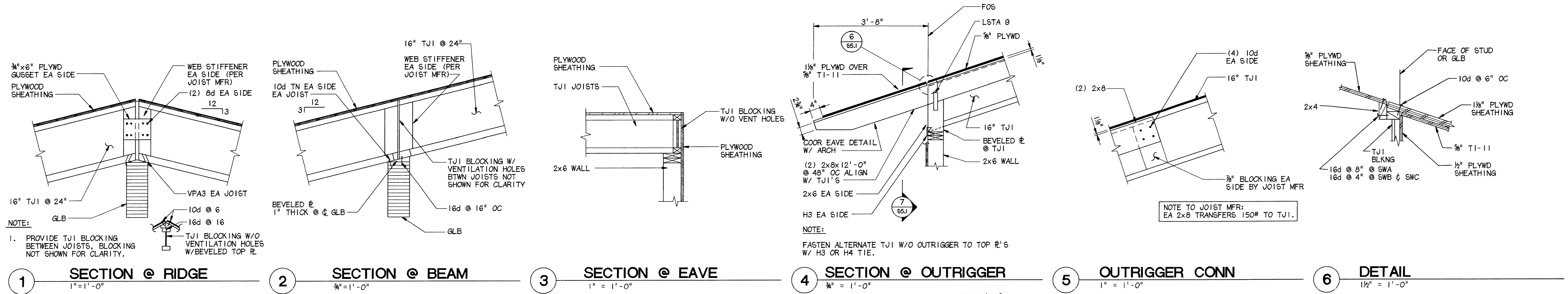
Revisions

CONFORMED DRAWINGS

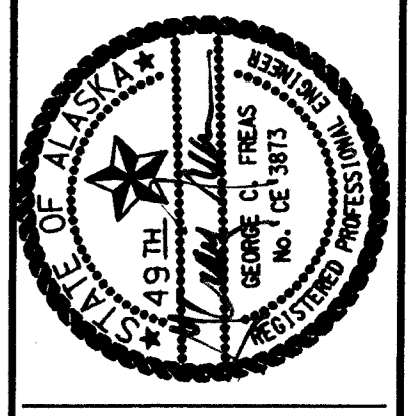
Date 04/17/98
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Job No. 95025.61
Sheet No.

S-4.2
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LAST PLOT DATE: 4/16/98
RUPOR/258/278/ANHC4-DGN



LAST PLOT DATE: 4/14/08
KLD/AN/SEC/BJ/ANNESS/DGN



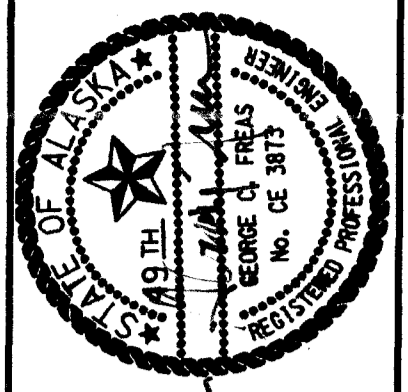
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FRAMING SECTIONS AND DETAILS

Revisions

CONFORMED DRAWINGS

Date: 04/17/98
Drawn: KLA,RRD
Checked: KDA
Cadd: ANHCSS-LDGN
Job No.: 95125.61
Sheet No.: **S-5.1**
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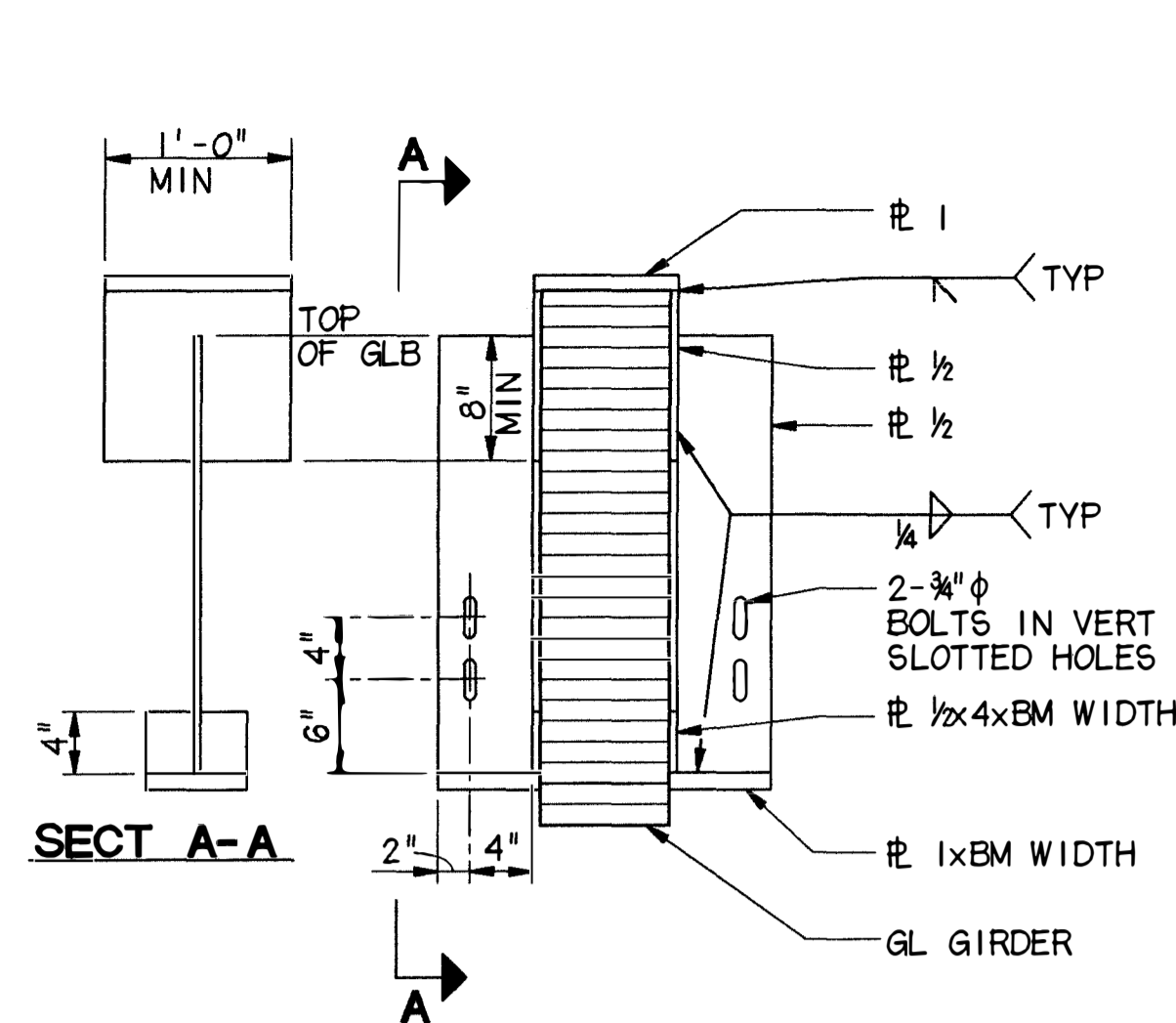


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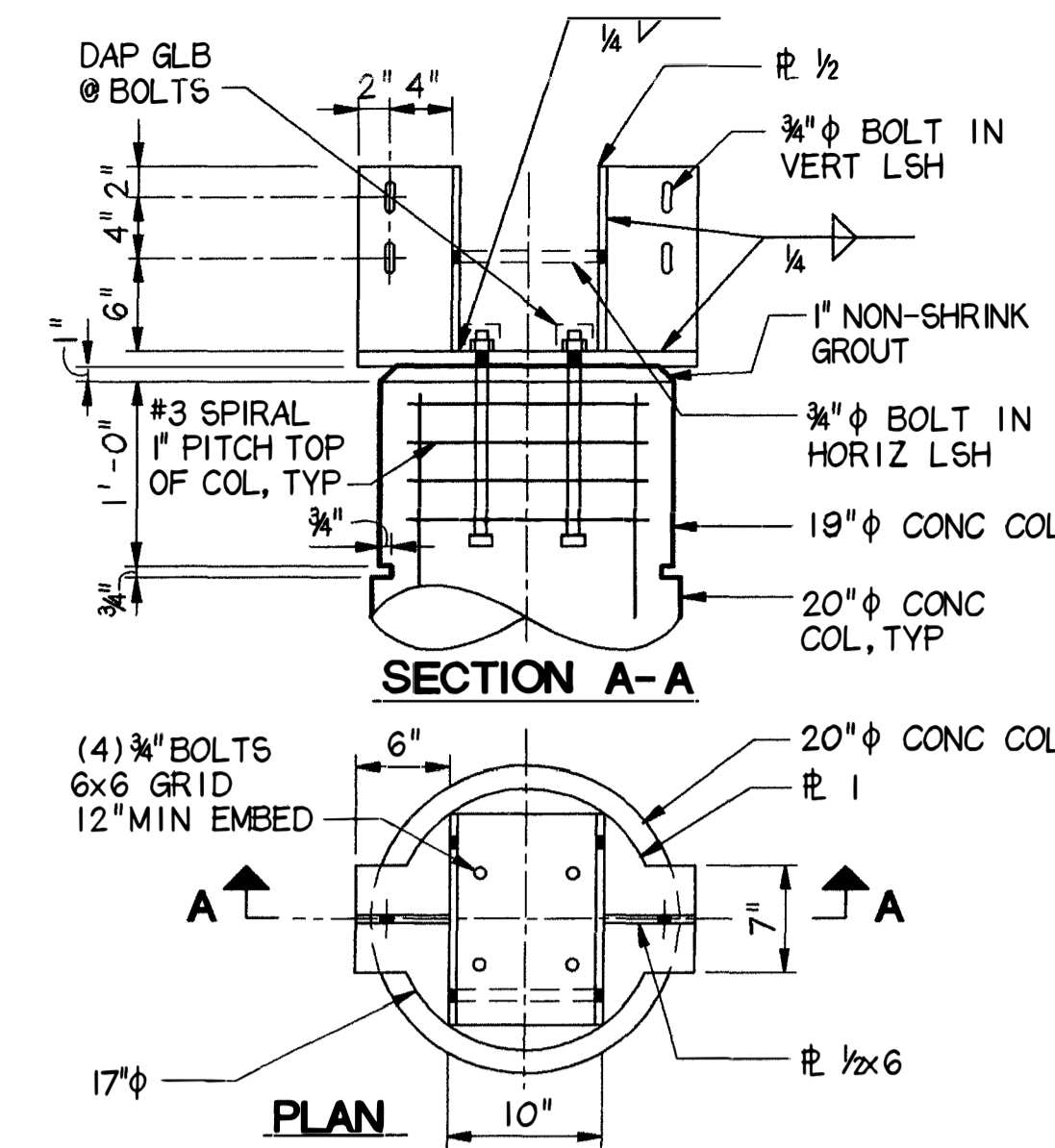
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 FRAMING SECTIONS AND DETAILS

Revisions
CONFORMED DRAWINGS
 Date 04/17/98
 Drawn KLA/RDD
 Checked KDA
 Cadd ANHCSS-2.DGN
 Job No. 9525.61
 Sheet No.

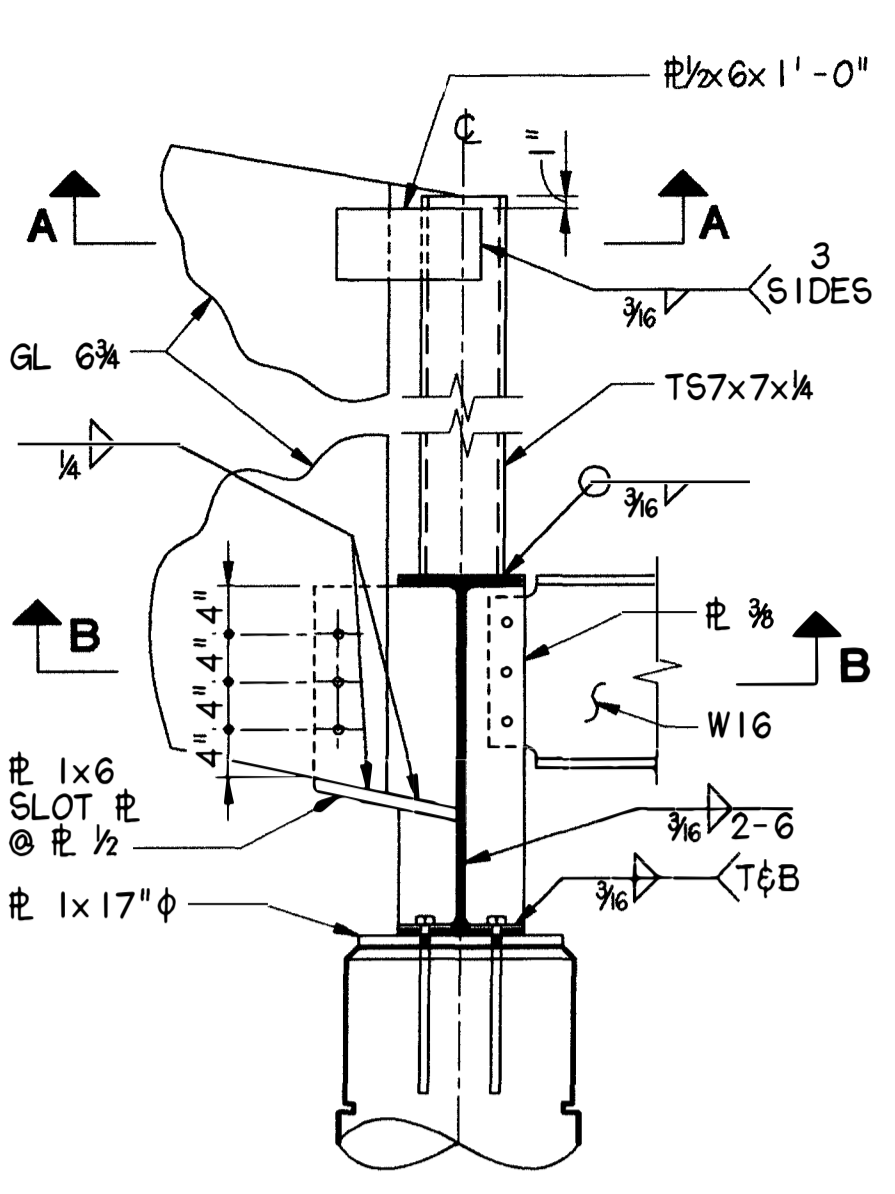
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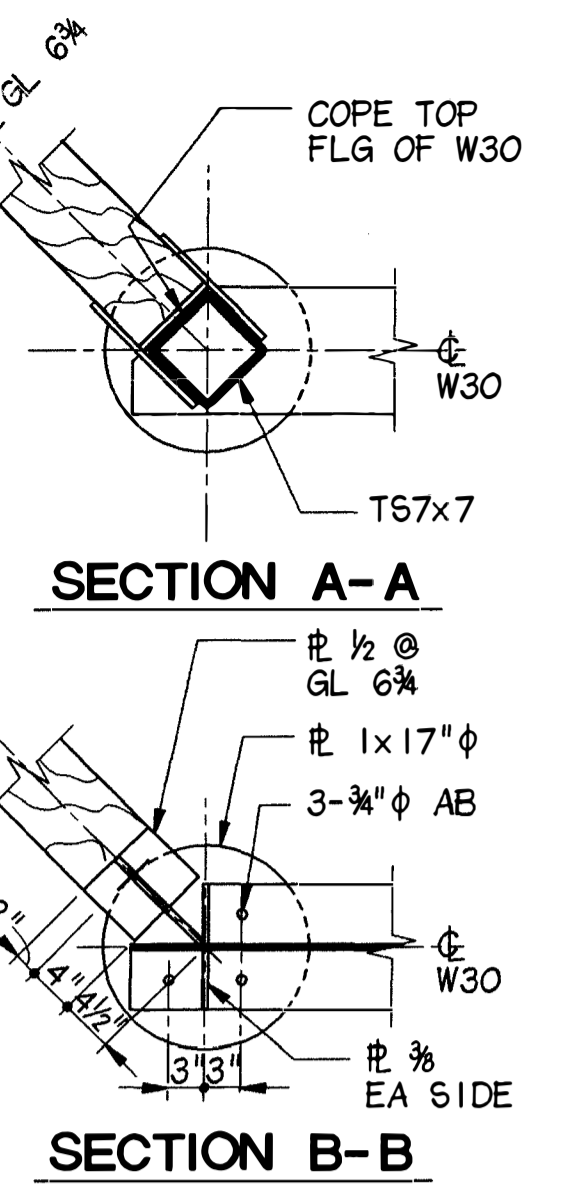
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 1/4" = 1'-0"



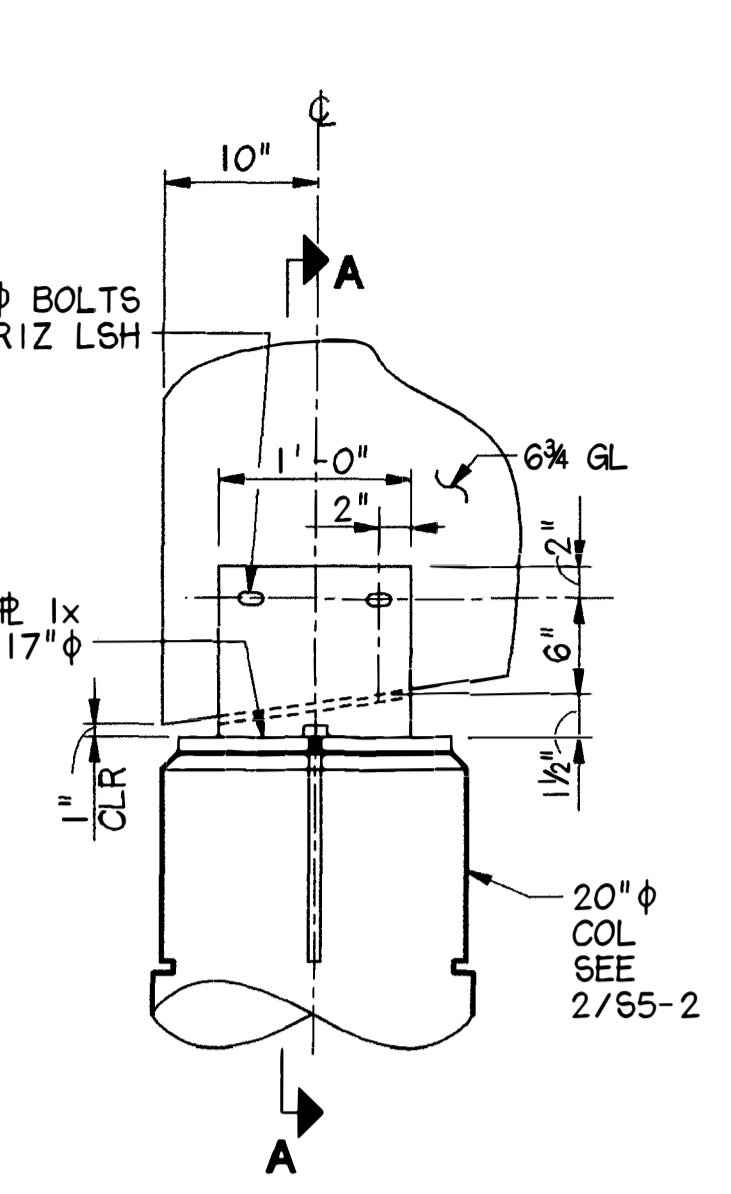
2 GL TO CONC COL
 1/4" = 1'-0"



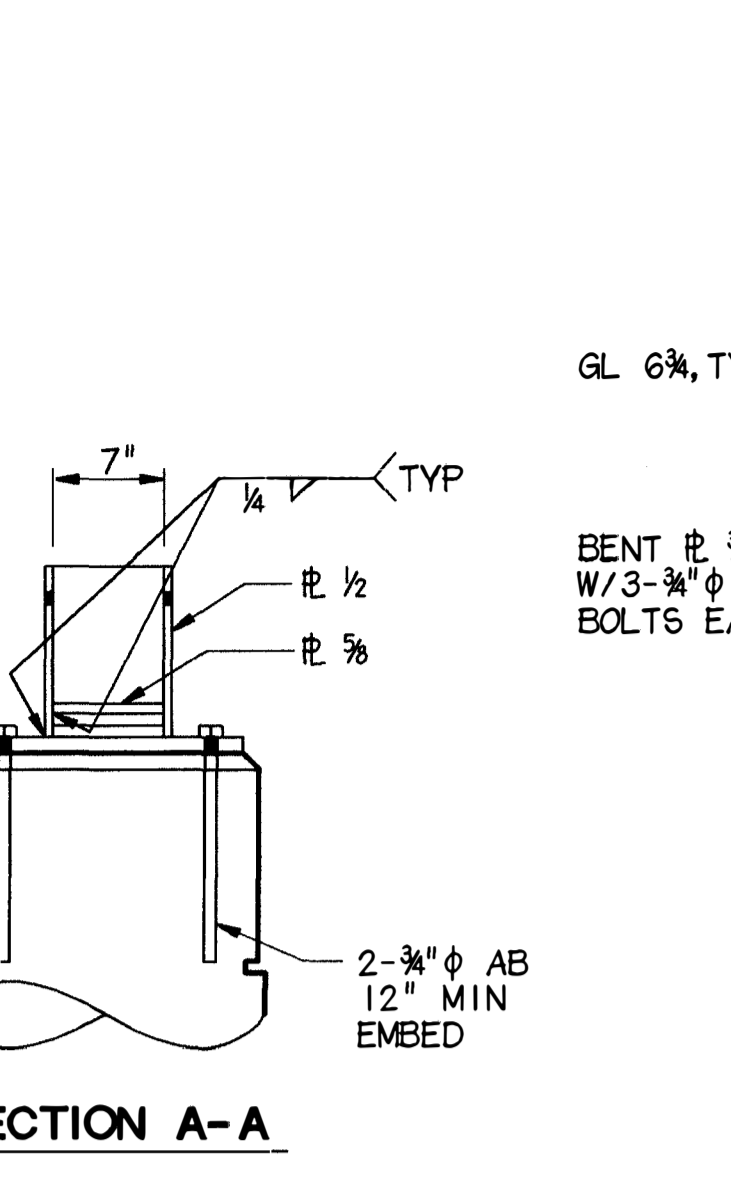
3 DETAIL @ GRID E-5
 3/8" = 1'-0"



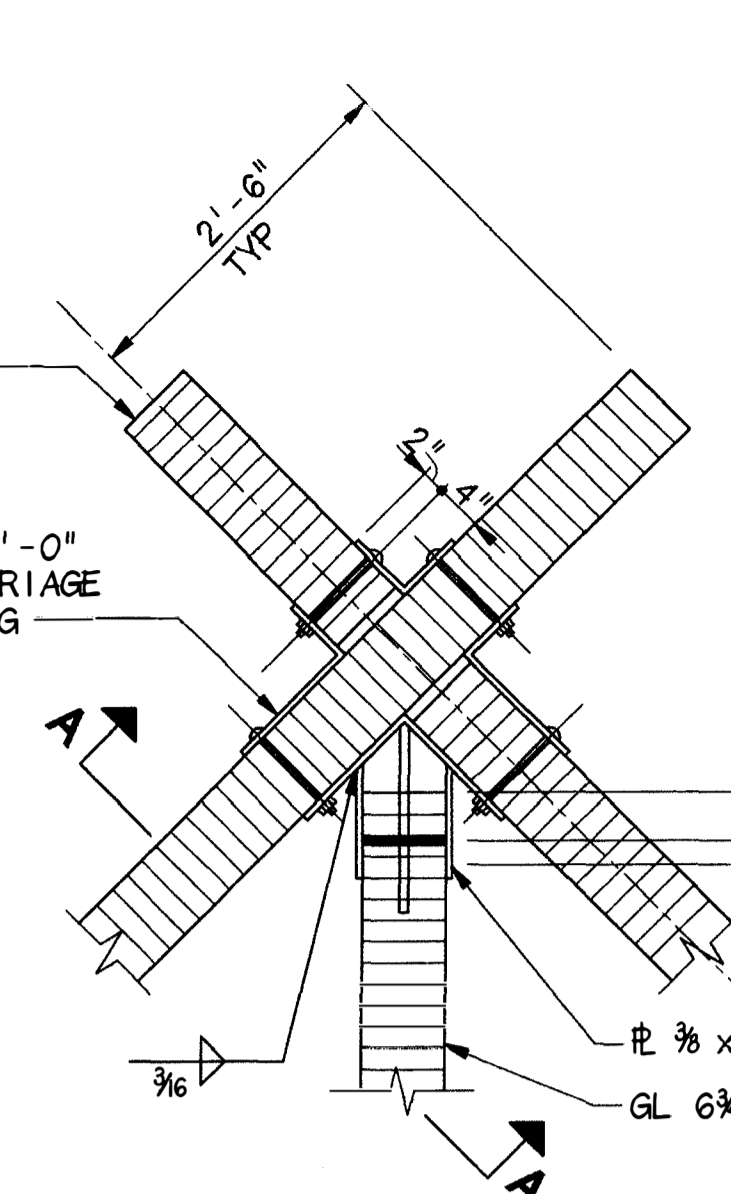
4 GL TO CONC COL
 1/4" = 1'-0"



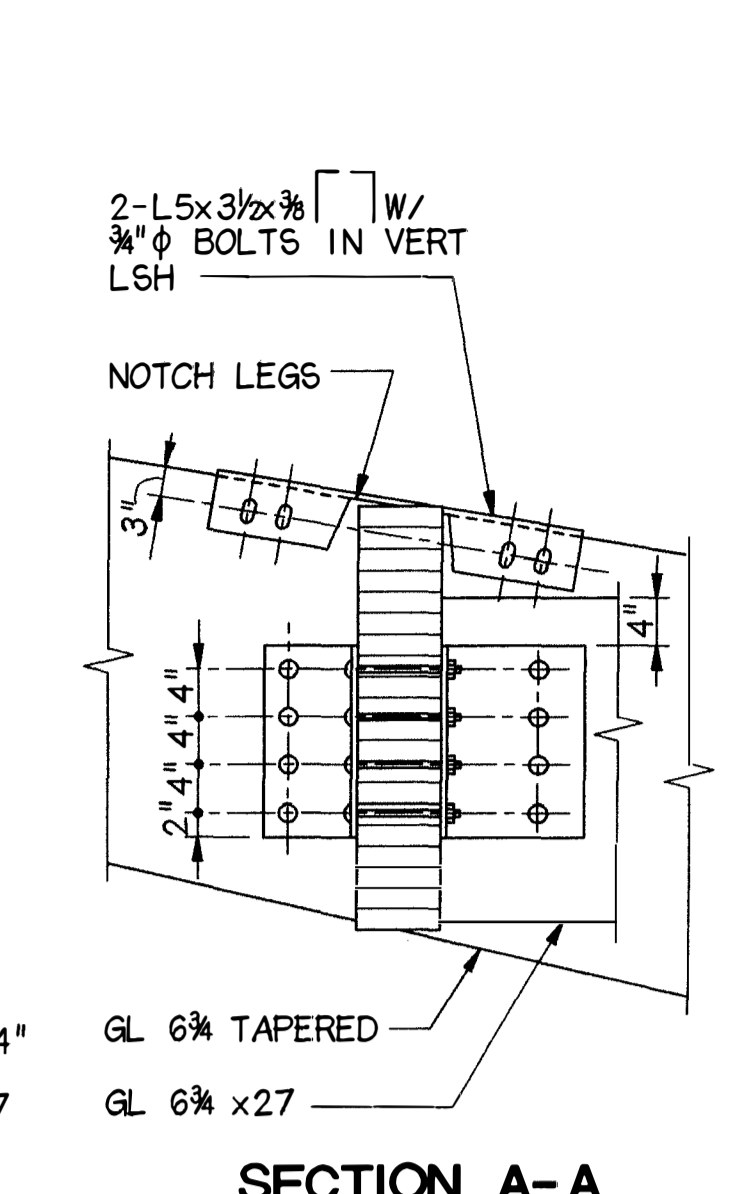
5 PROW CONN
 3/8" = 1'-0"



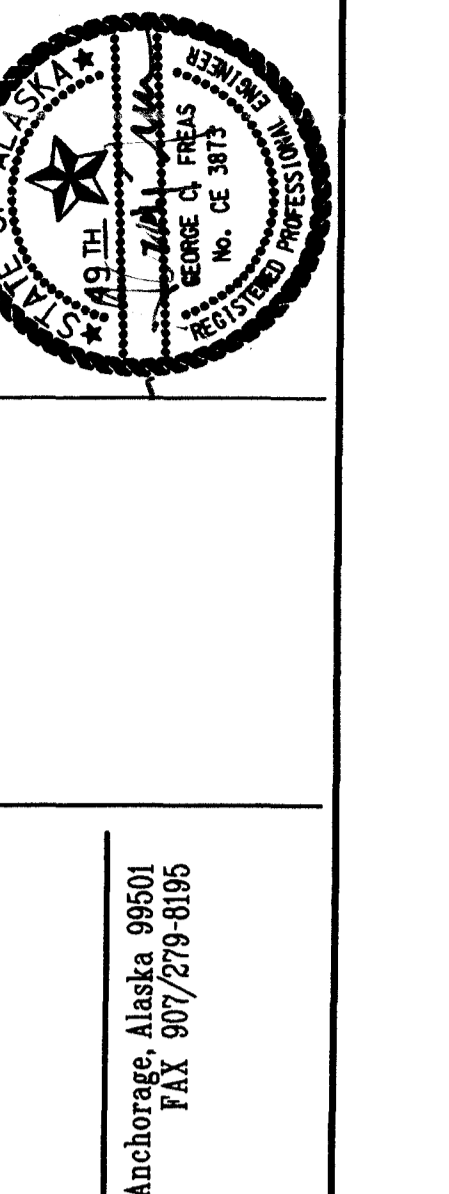
6 DETAIL @ GRID ?-?
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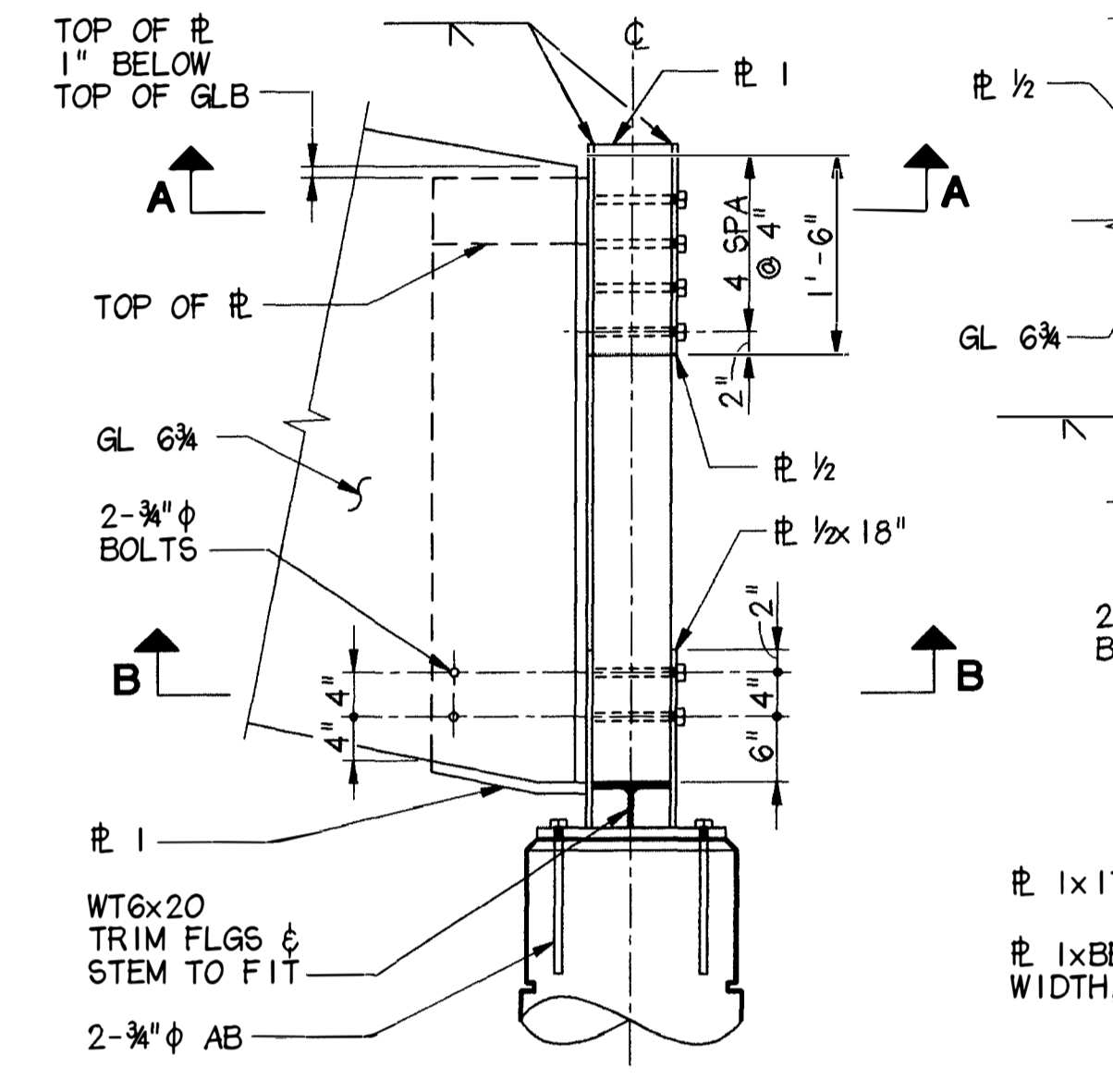
7 TYP SHEAR WALL HOLDOWN
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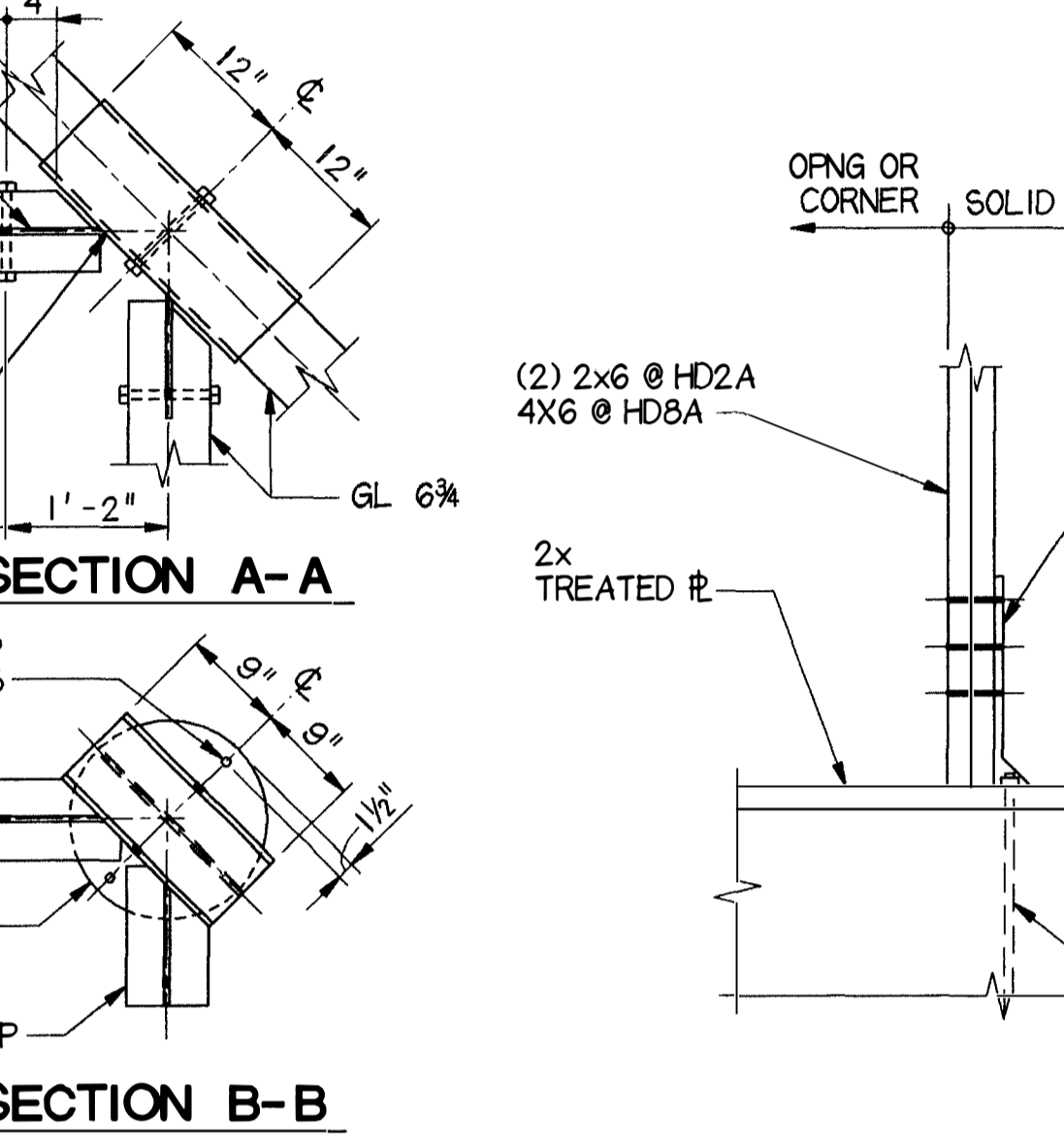
8 SECTION @ CLERESTORY
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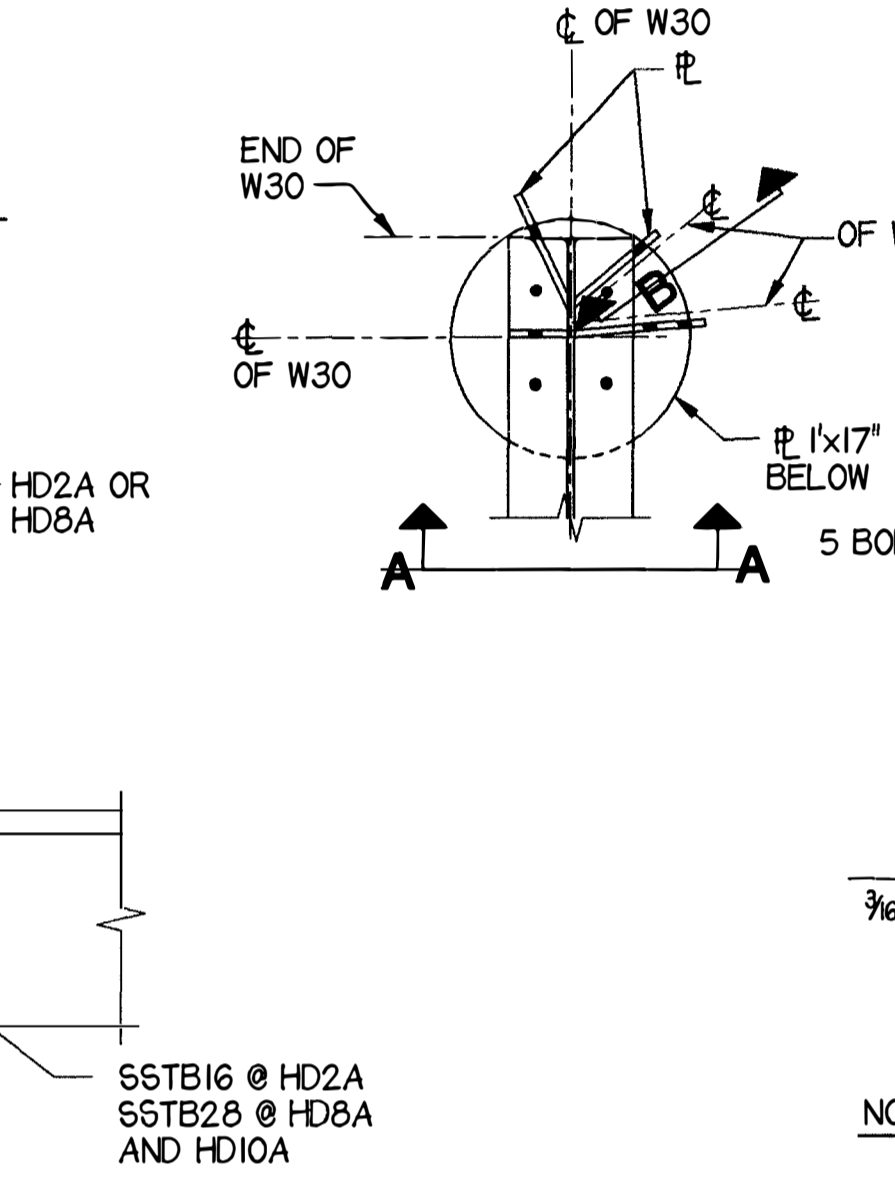
9 STRUT CONNECTION
 3/8" = 1'-0"



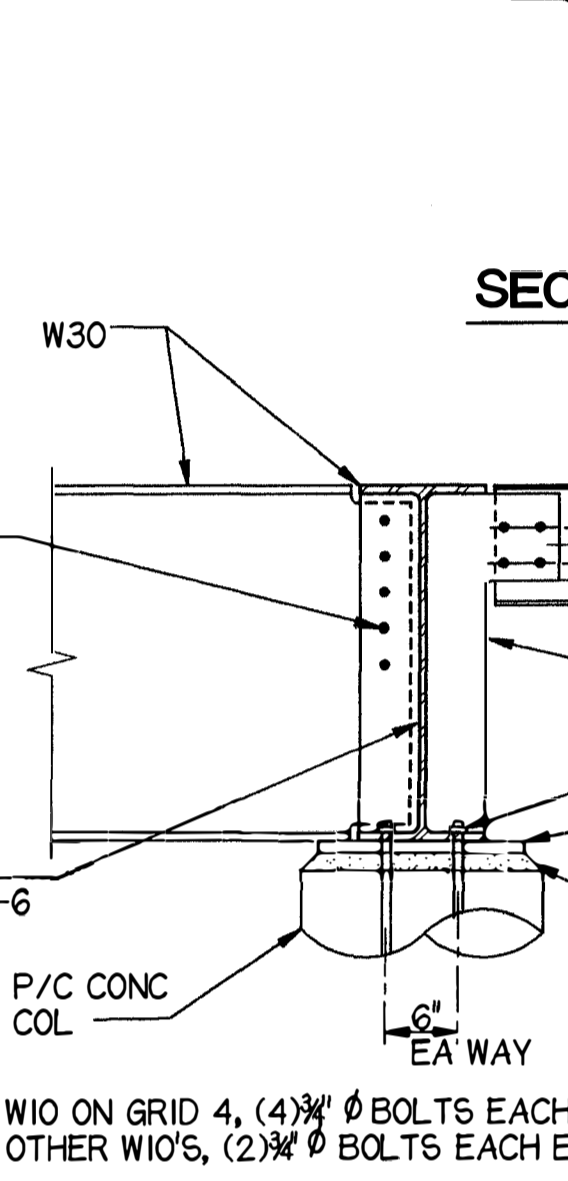
10 DETAIL AT GRID E-9
 3/8" = 1'-0"



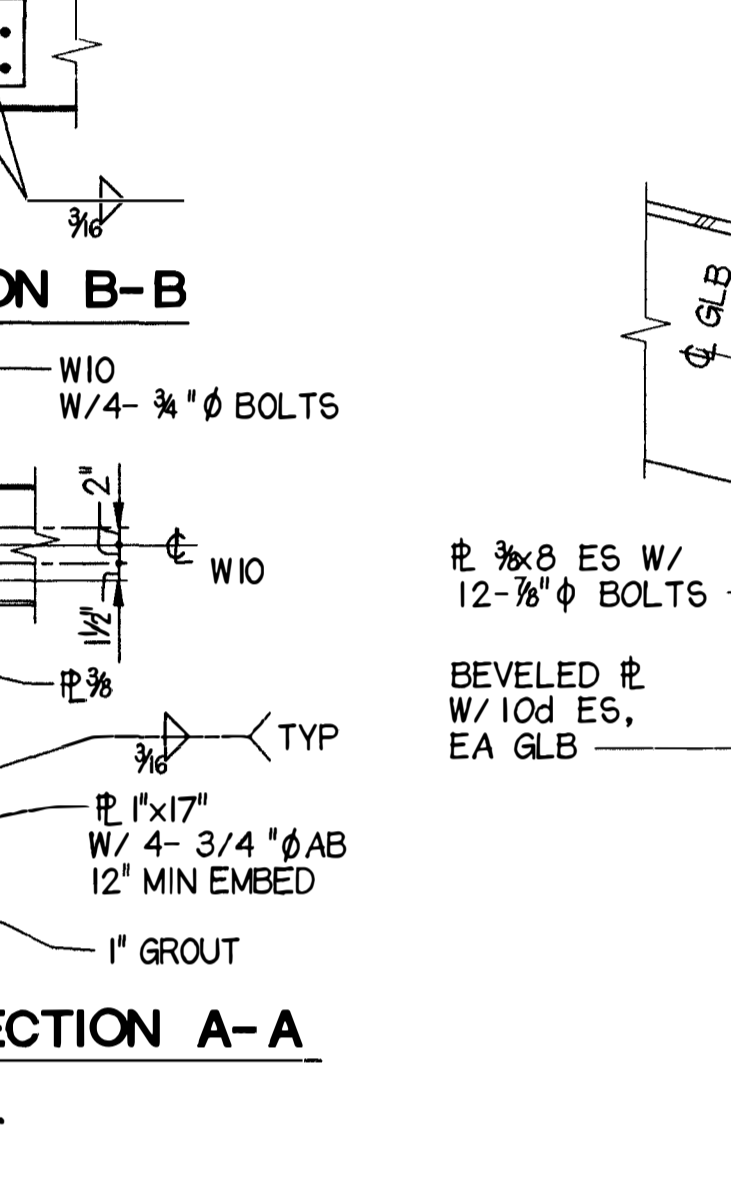
11 SECTION @ STUDIO
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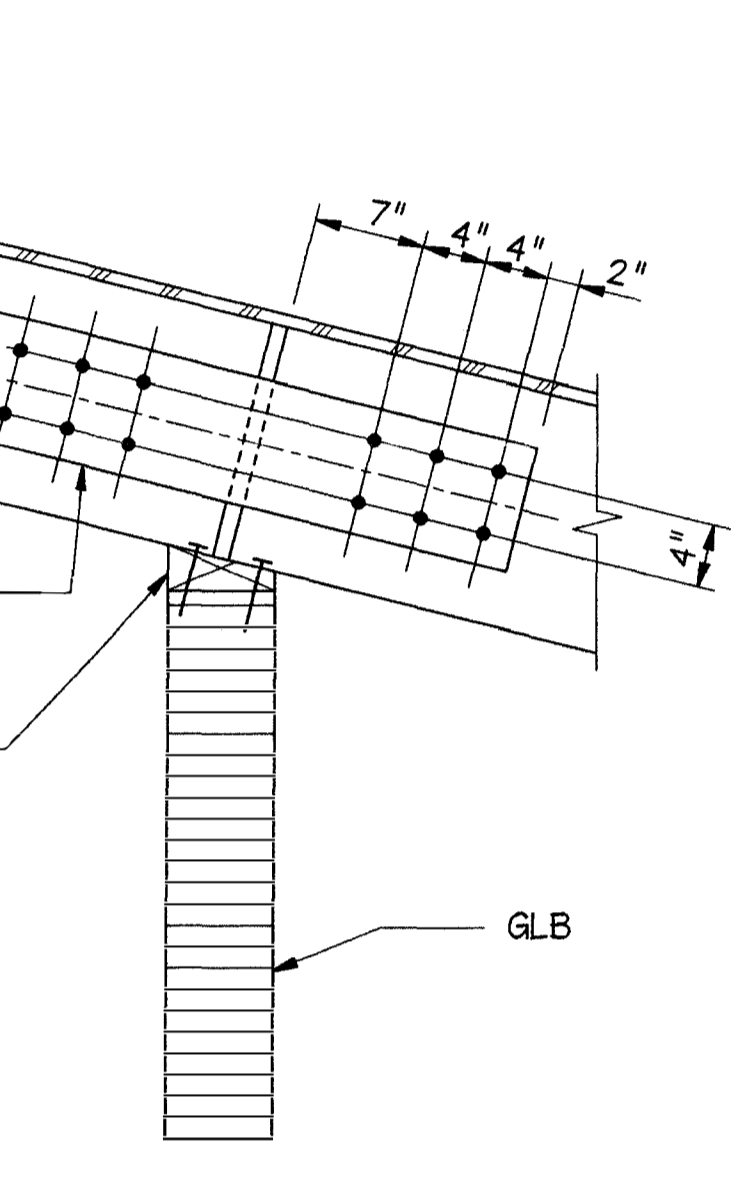
12 DETAIL
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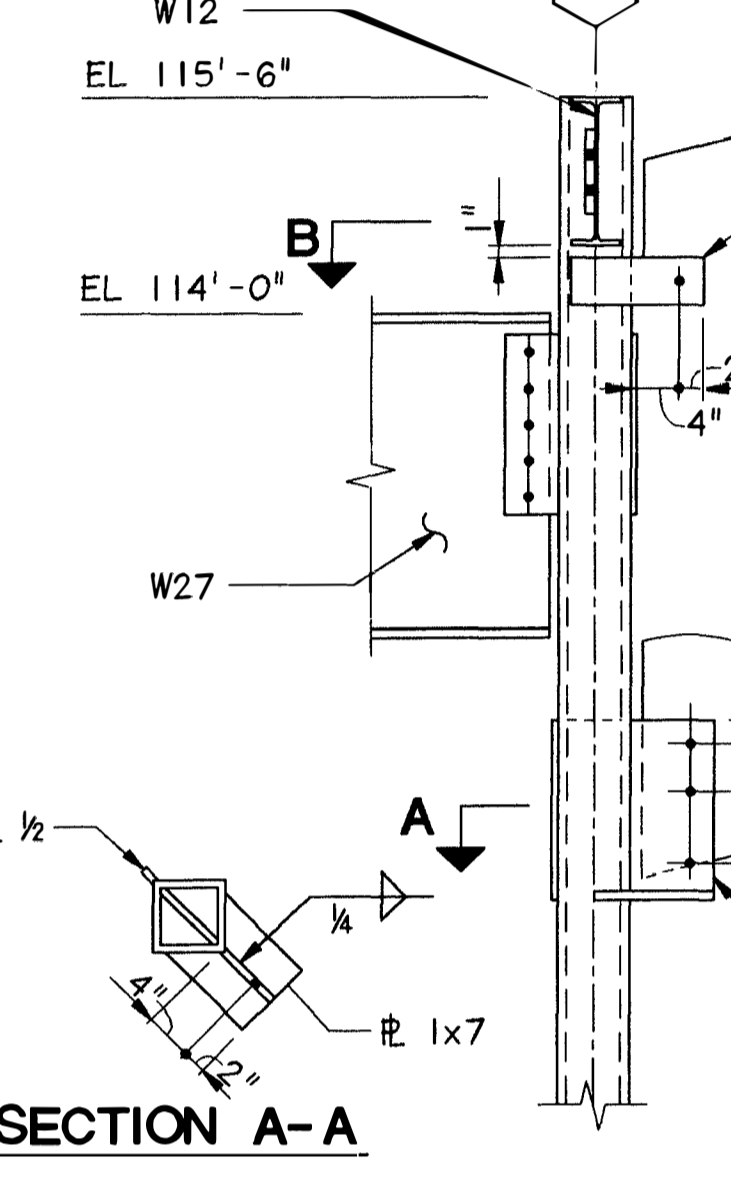
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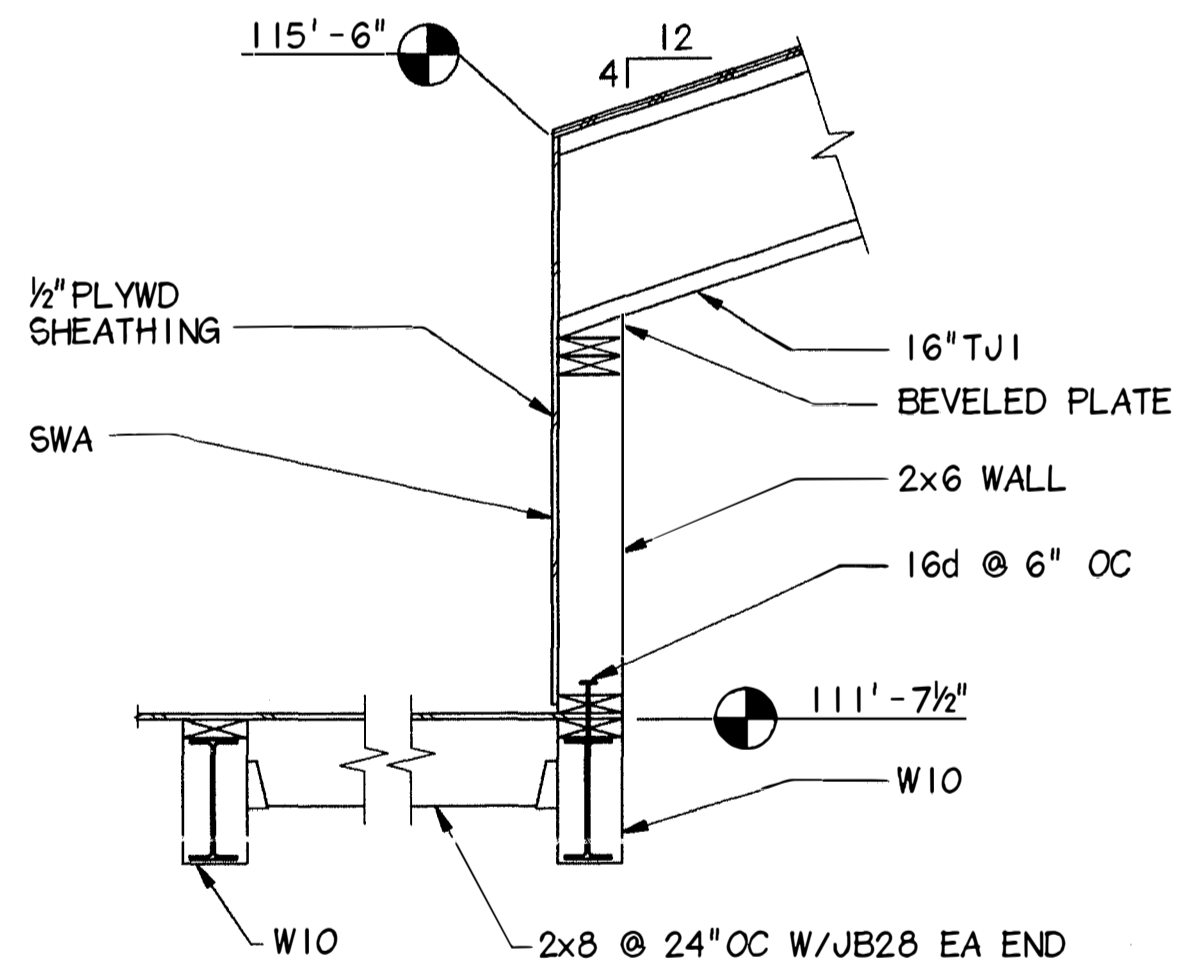
14 SECTION @ STUDIO
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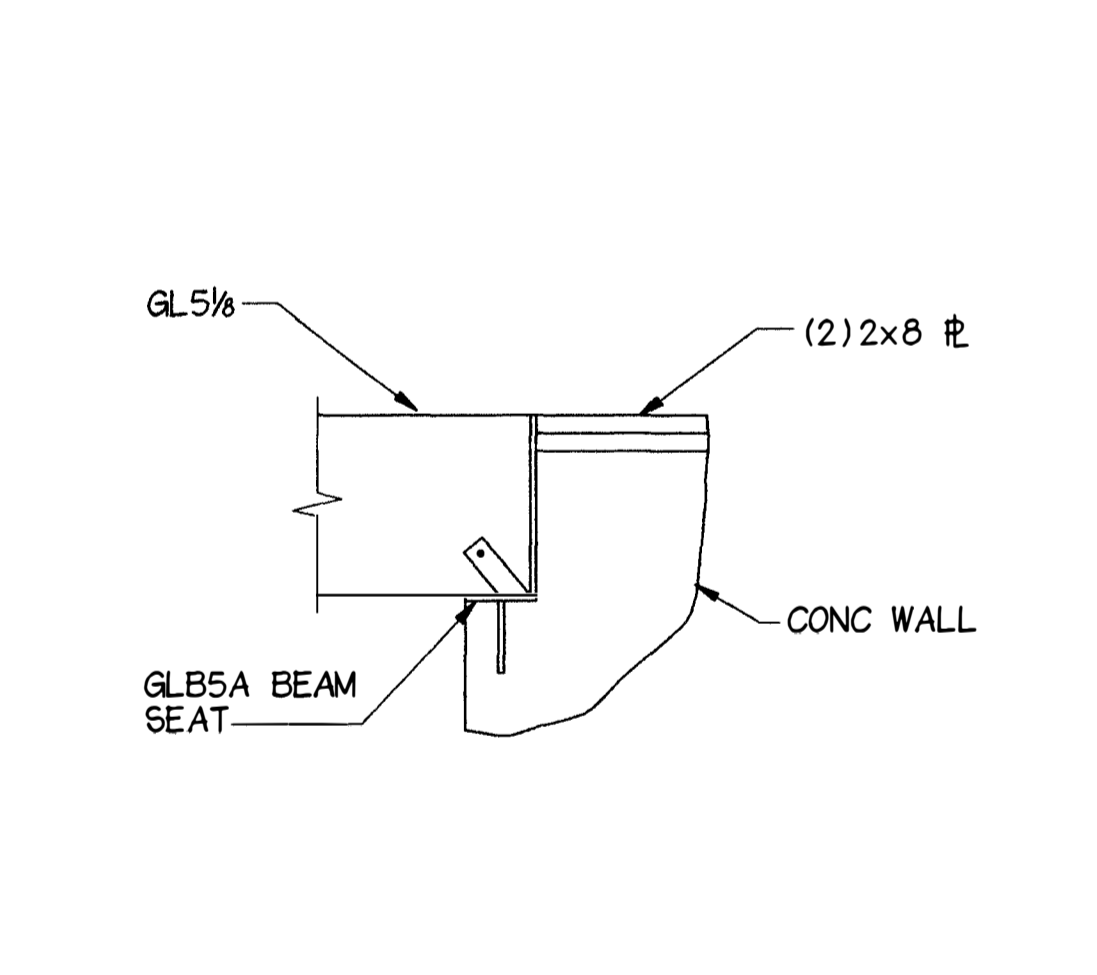
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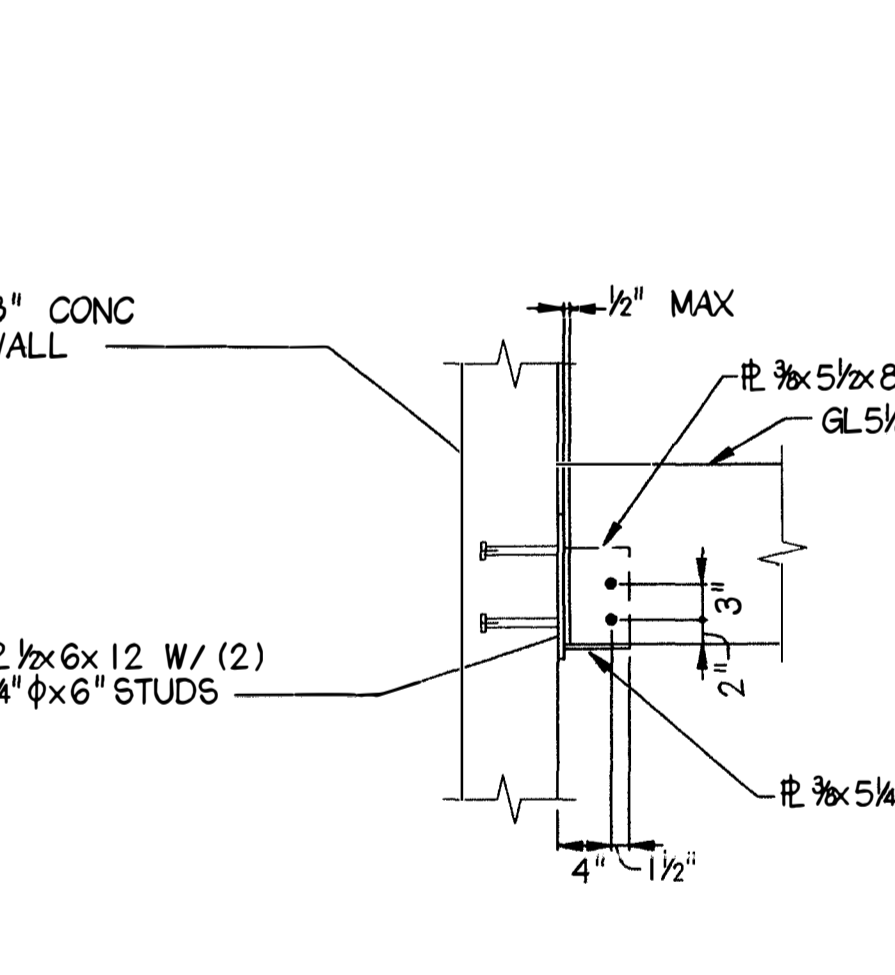
22 SECTION
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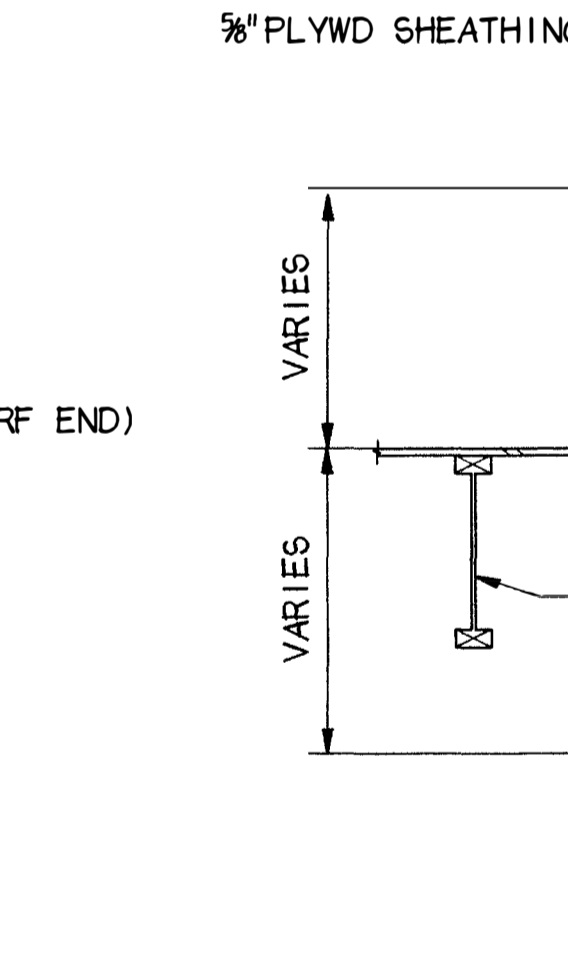
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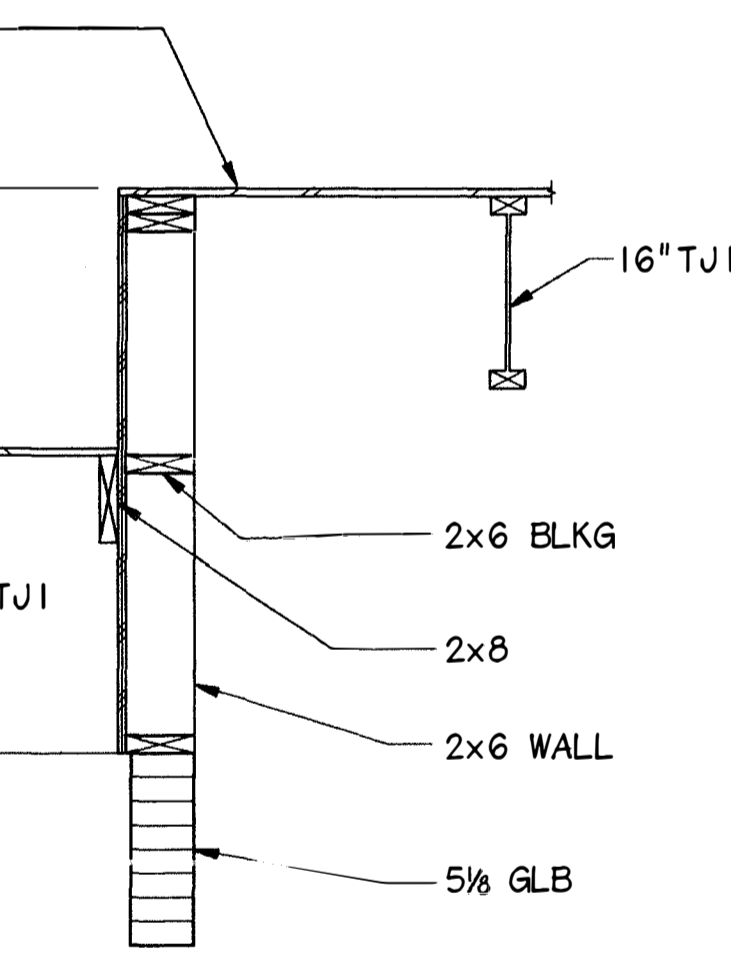
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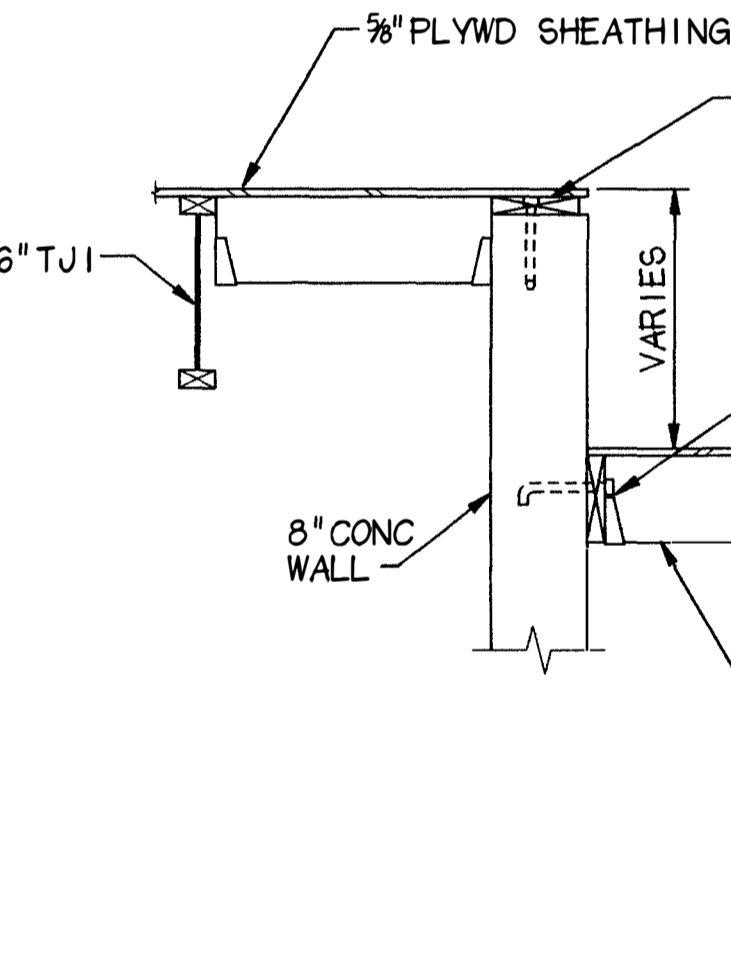
18 DETAIL
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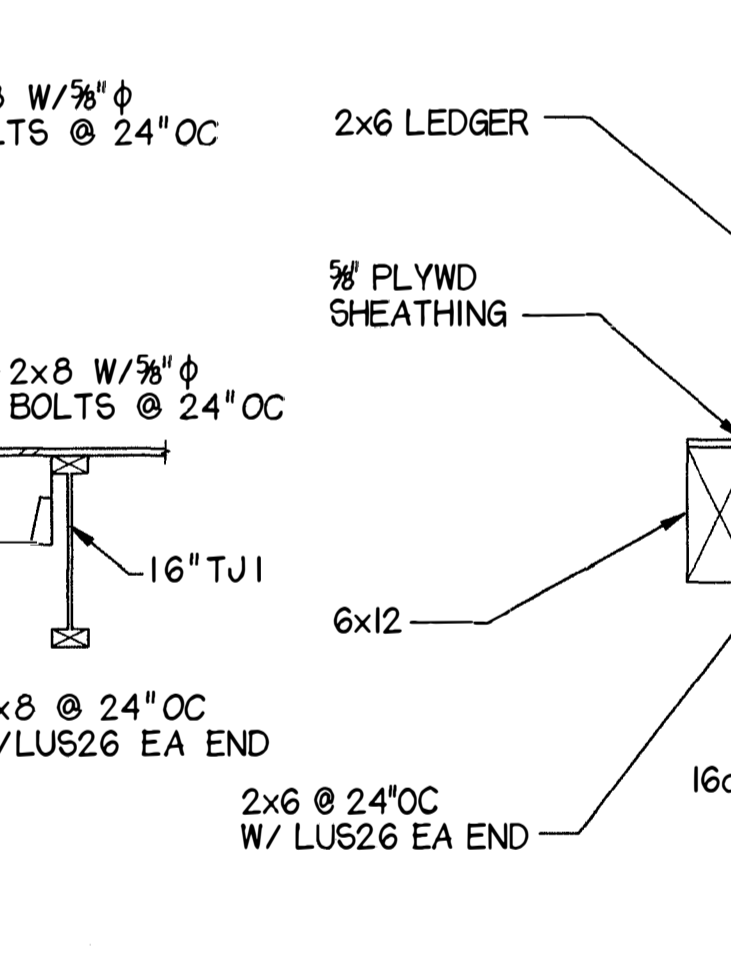
19 DETAIL
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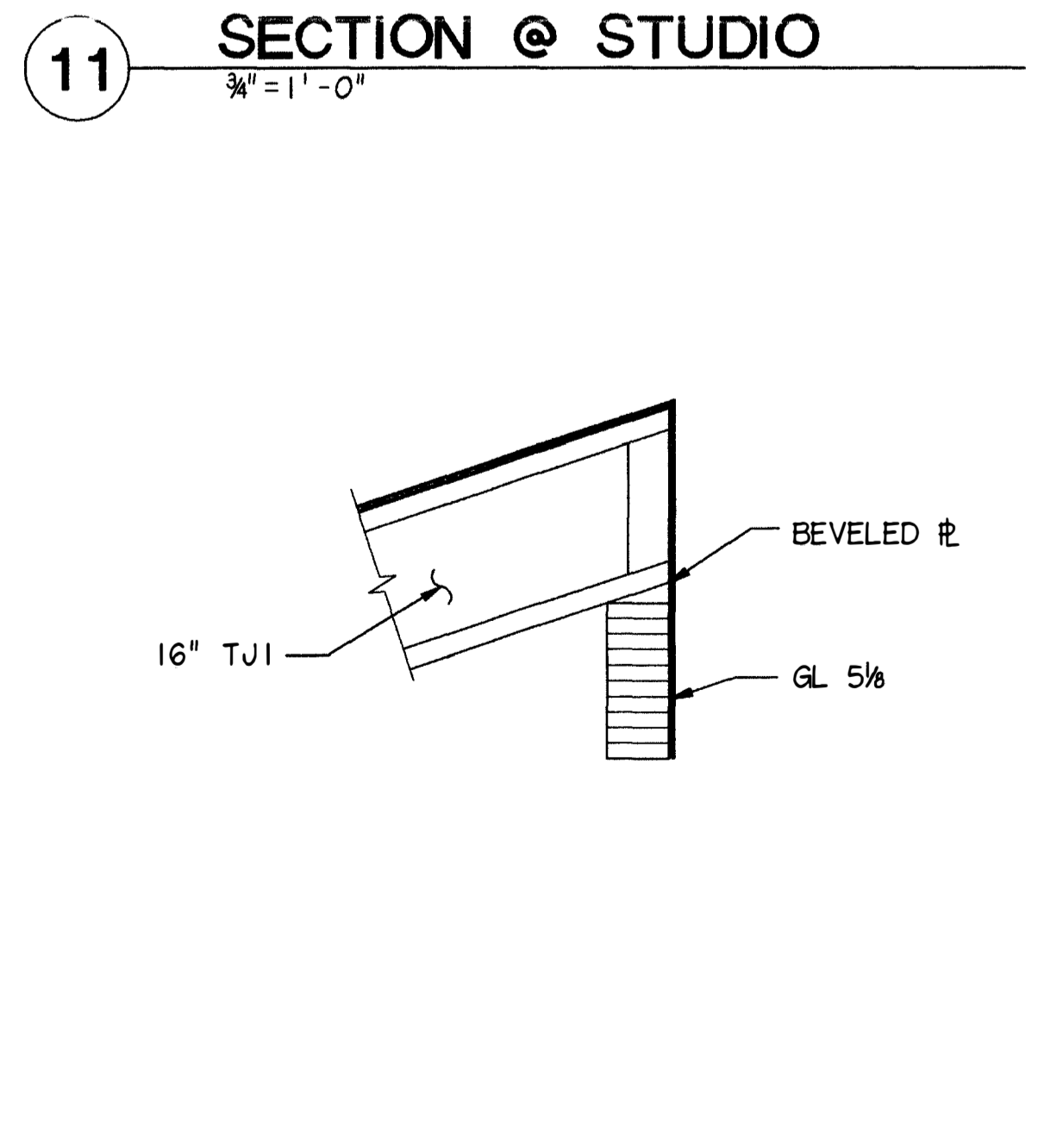
20 DETAIL @ GRID 3-7
 3/8" = 1'-0"



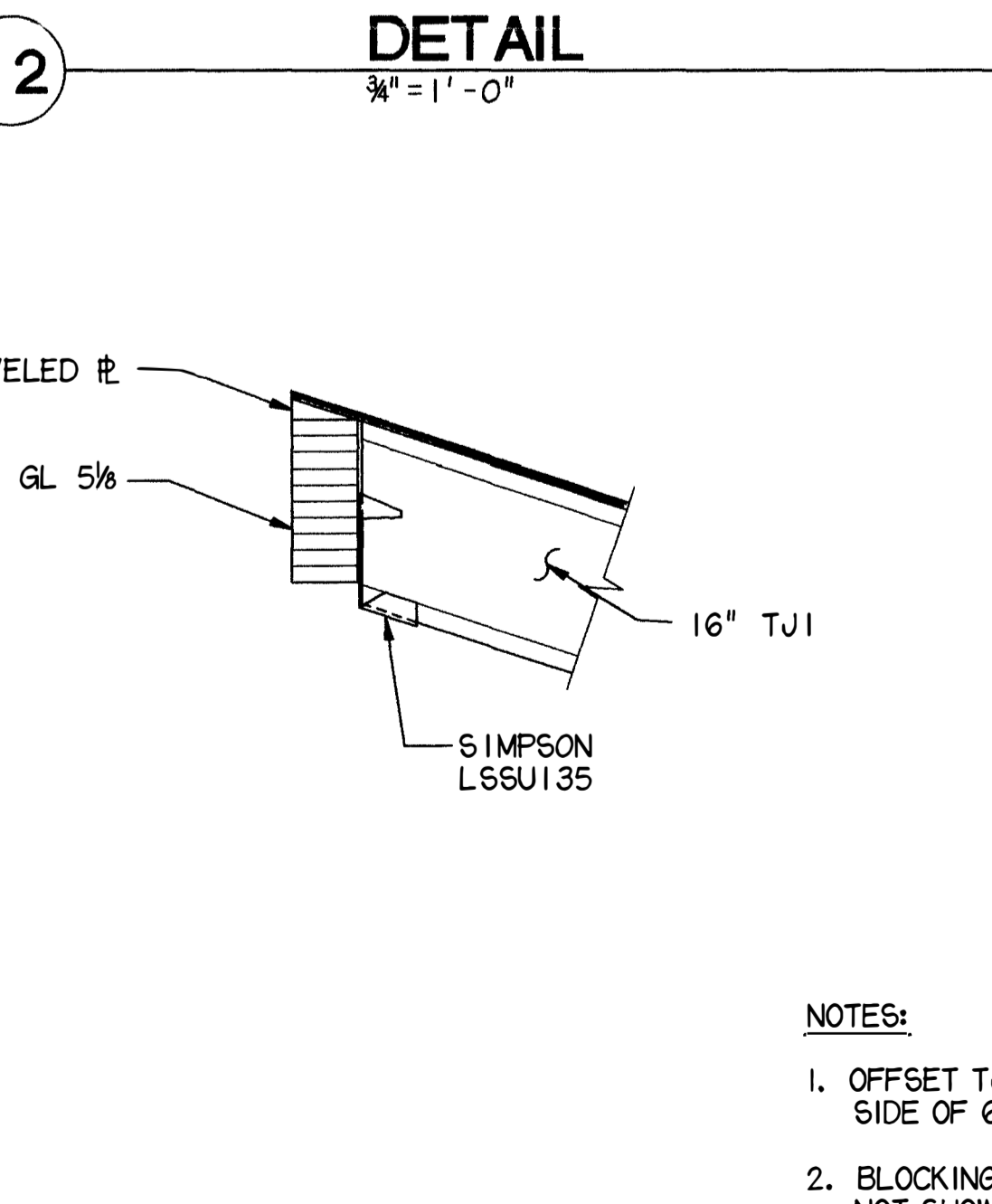
21 STRUT CONNECTION
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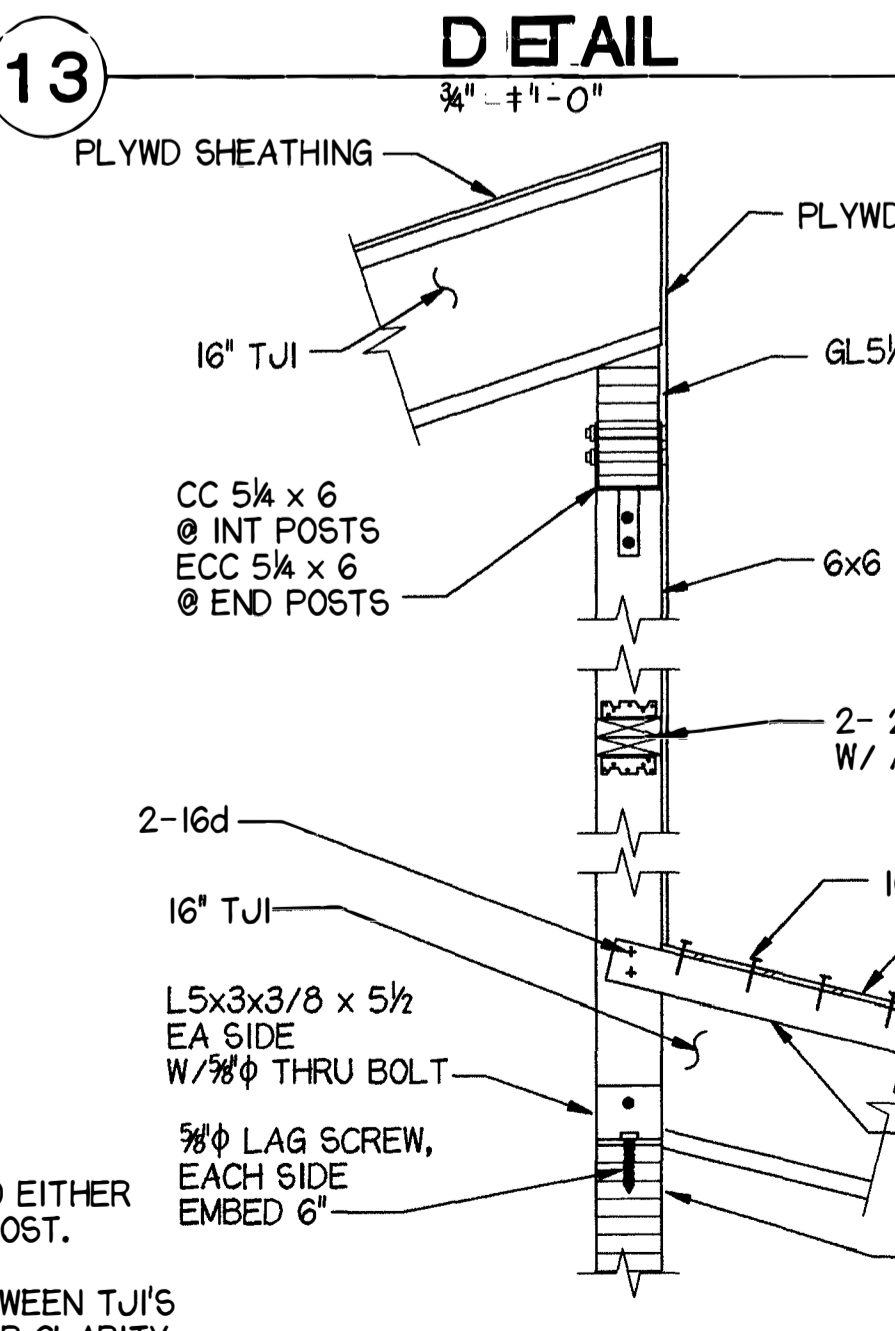
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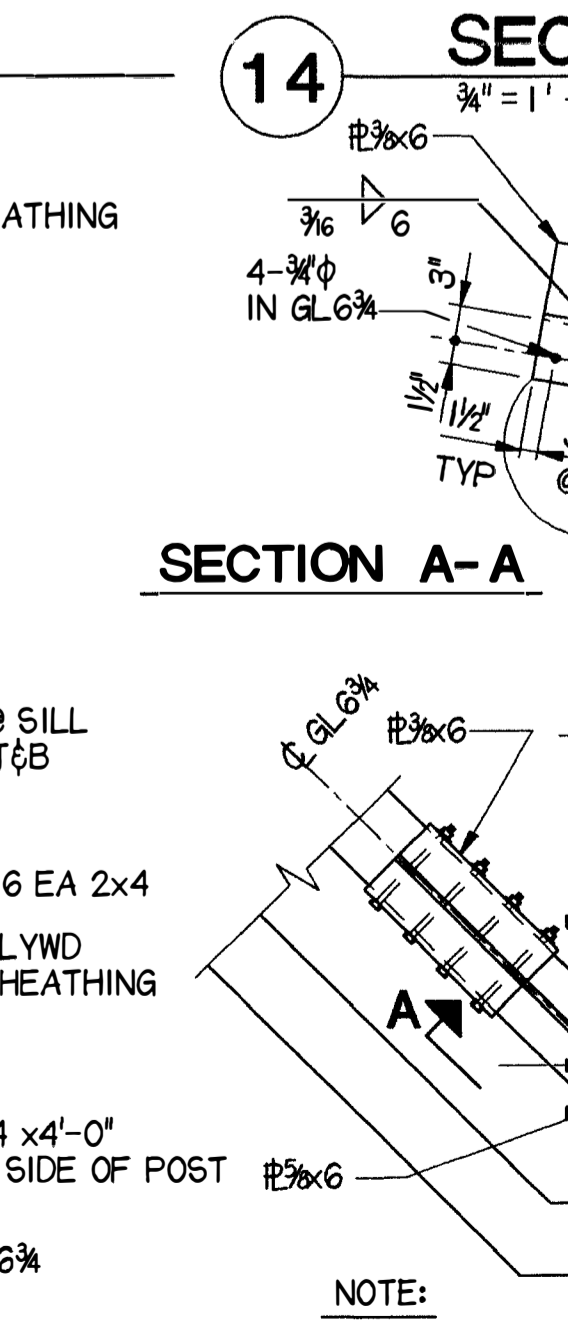
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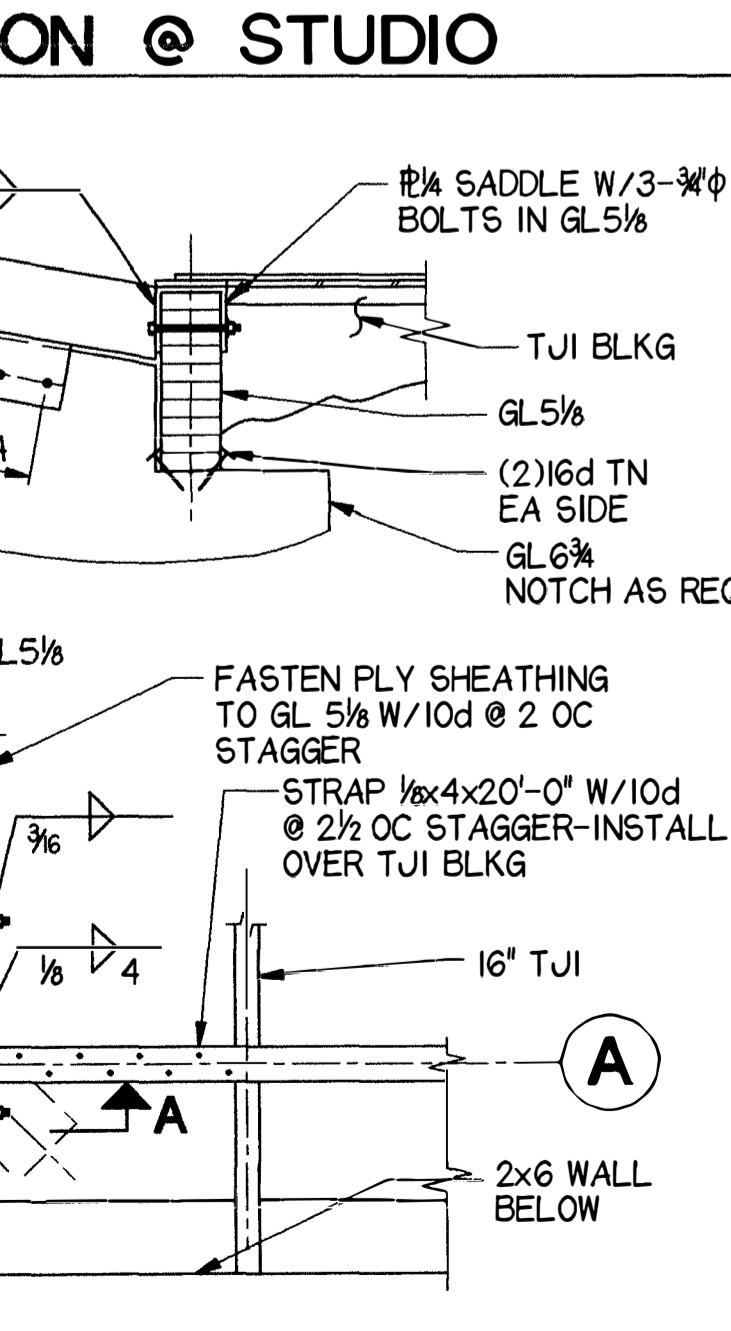
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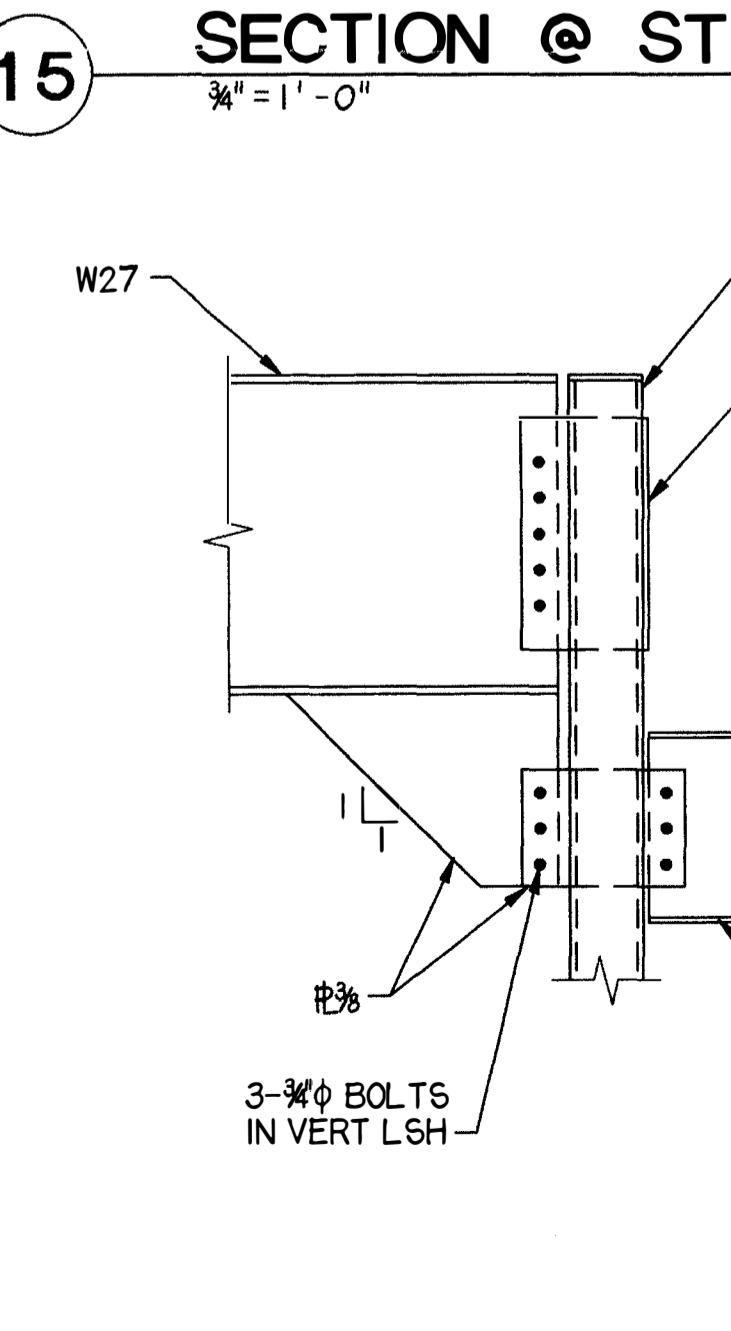
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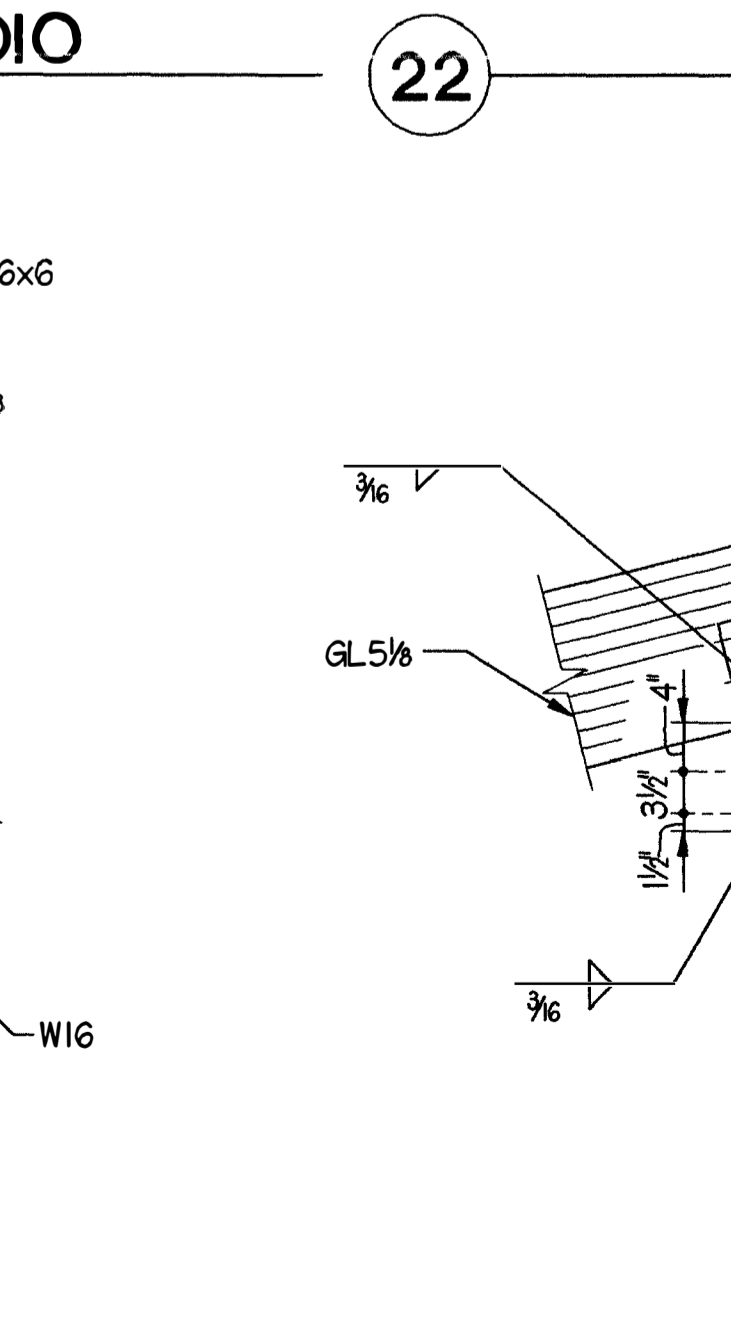
26 DETAIL
 3/8" = 1'-0"



27 DETAIL @ GRID 3-7
 3/8" = 1'-0"



28 STRUT CONNECTION
 3/8" = 1'-0"



29 SECTION
 3/8" = 1'-0"

16 SECTION @ STUDIO
 3/8" = 1'-0"

17 SECTION @ STUDIO
 3/8" = 1'-0"

18 DETAIL
 3/8" = 1'-0"

19 DETAIL
 3/8" = 1'-0"

20 DETAIL @ GRID 3-7
 3/8" = 1'-0"

21 STRUT CONNECTION
 3/8" = 1'-0"

22 SECTION
 3/8" = 1'-0"

16 SECTION @ STUDIO
 3/8" = 1'-0"

17 SECTION @ STUDIO
 3/8" = 1'-0"

18 DETAIL
 3/8" = 1'-0"

19 DETAIL
 3/8" = 1'-0"

20 DETAIL @ GRID 3-7
 3/8" = 1'-0"

21 STRUT CONNECTION
 3/8" = 1'-0"

22 SECTION
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16 SECTION @ STUDIO
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18 DETAIL
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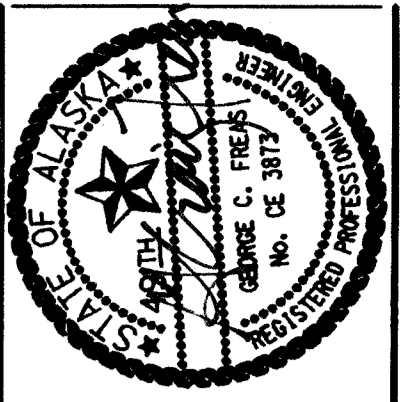
19 DETAIL
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20 DETAIL @ GRID 3-7
 3/8" = 1'-0"

21 STRUT CONNECTION
 3/8" = 1'-0"

22 SECTION
 3/8" = 1'-0"

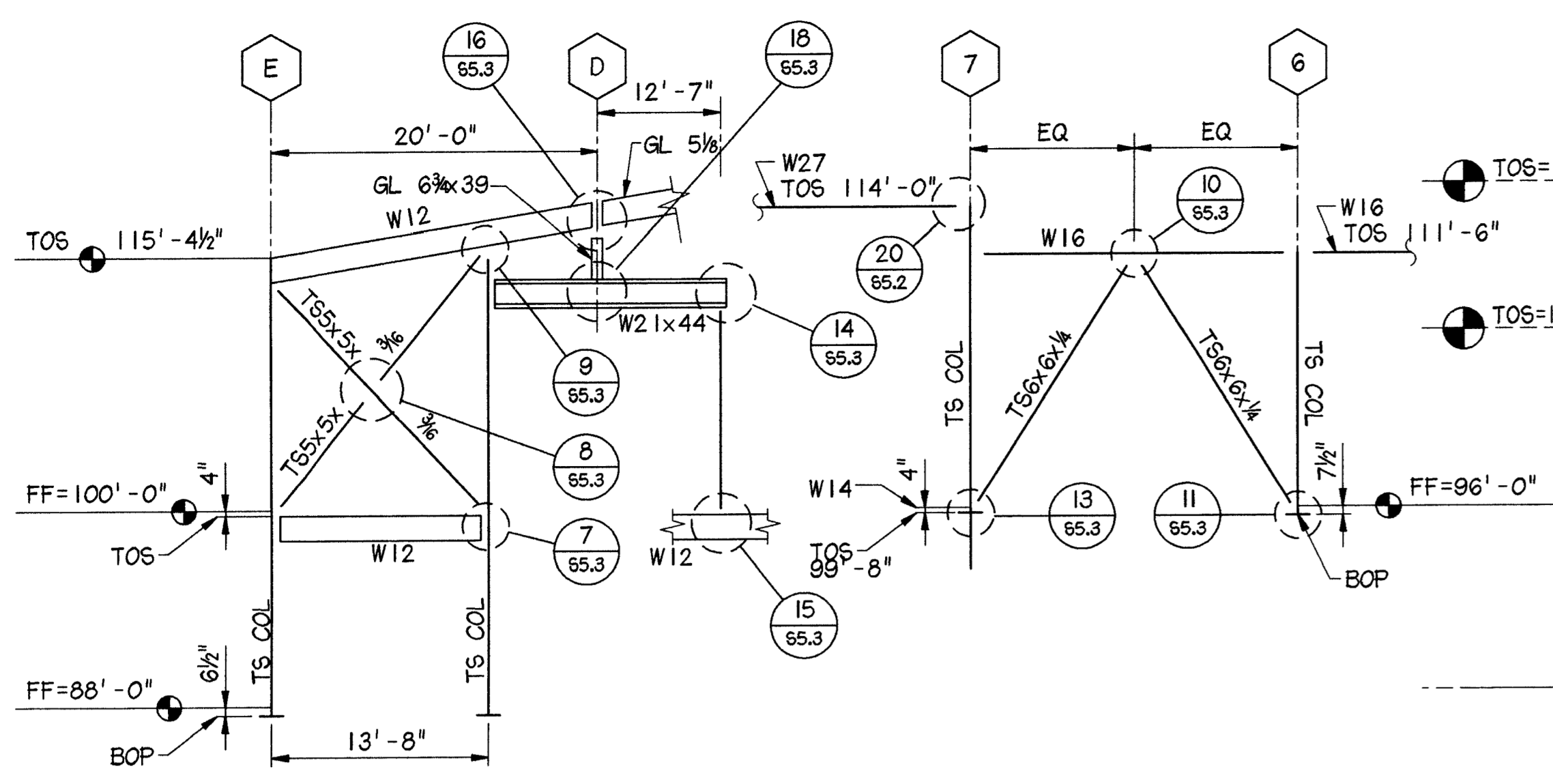
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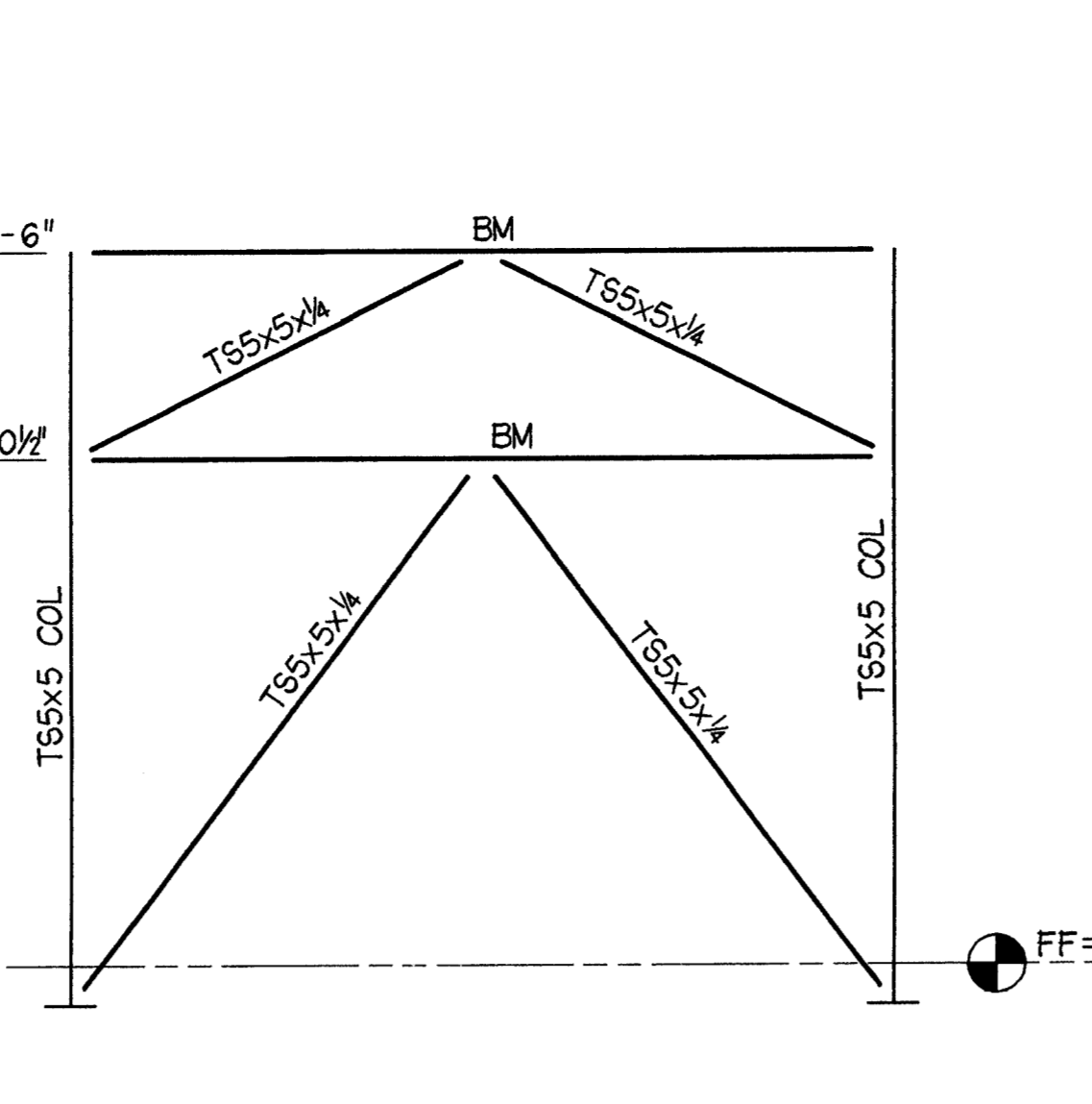
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 Phone 907/258-7777
 Fax 907/274-8195
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ALASKA NATIVE HERITAGE CENTER
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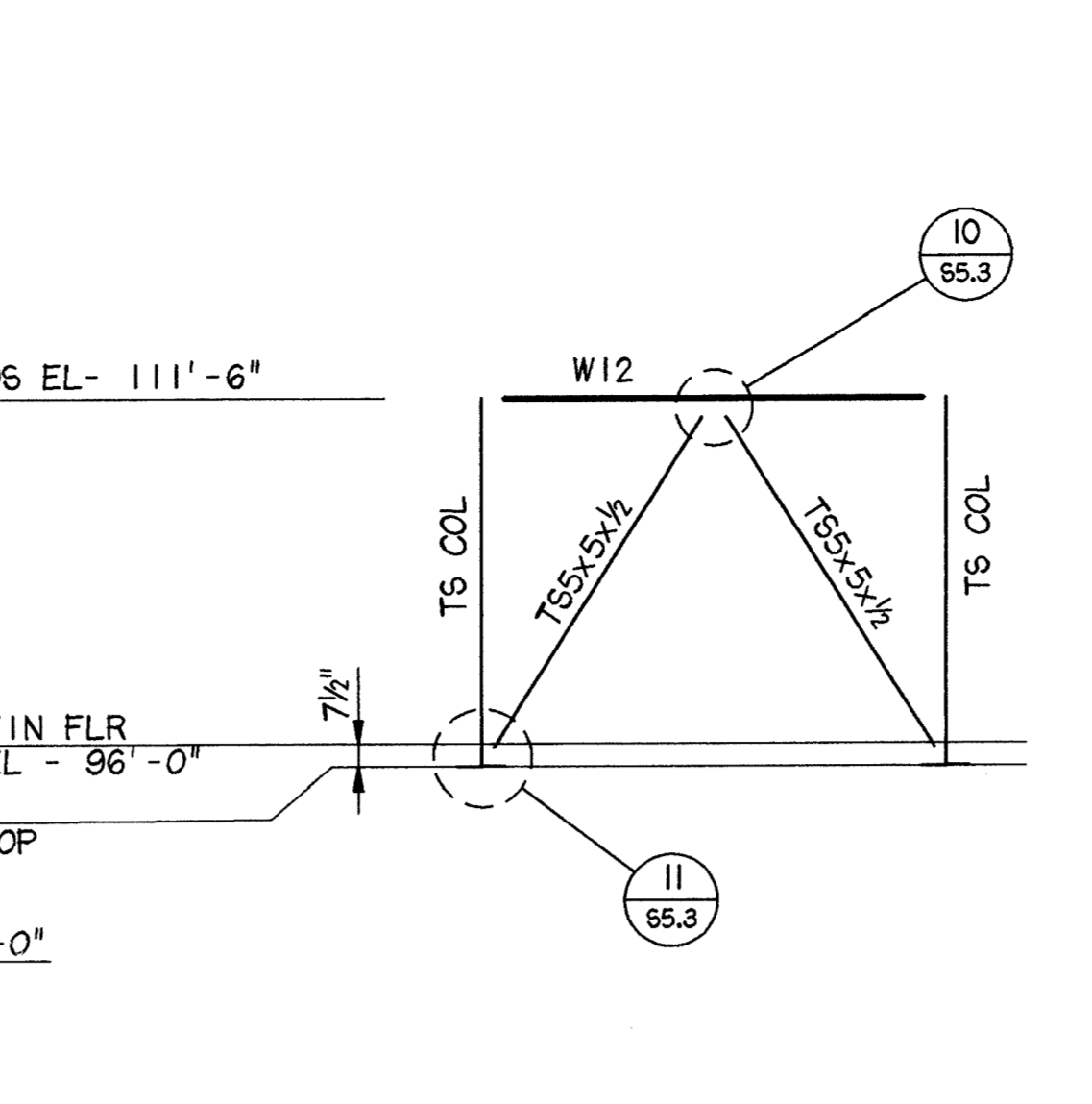
Revisions
CONFORMED DRAWINGS
 Date 04/17/98
 Drawn KLA,RRD
 Checked KDA
 Cadd ANHC55-2.DGN
 Job No. 9525.61
 Sheet No.
S-5.3
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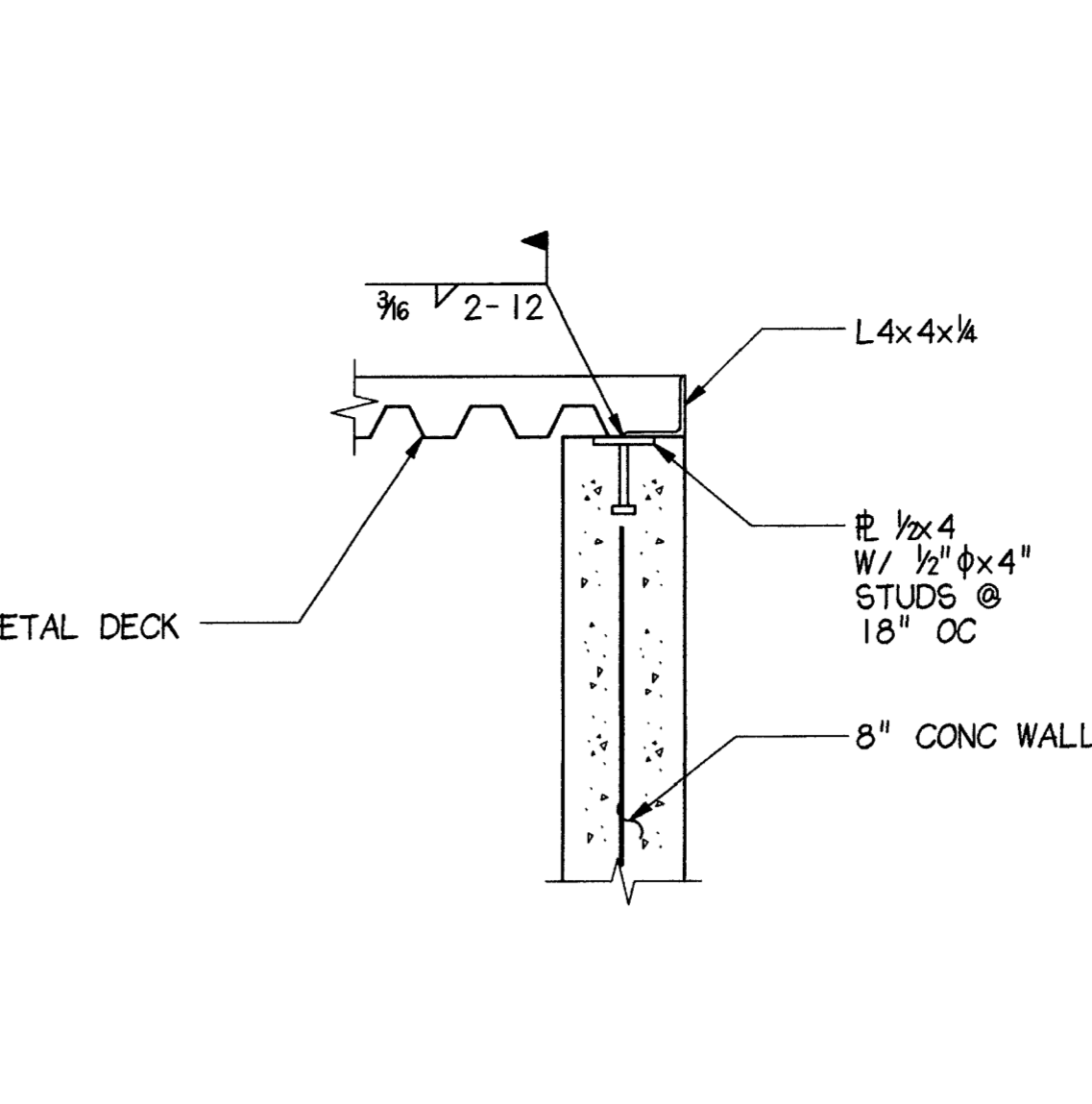
1 GRID 9 ELEVATION
 $\frac{1}{8}'' = 1' - 0''$



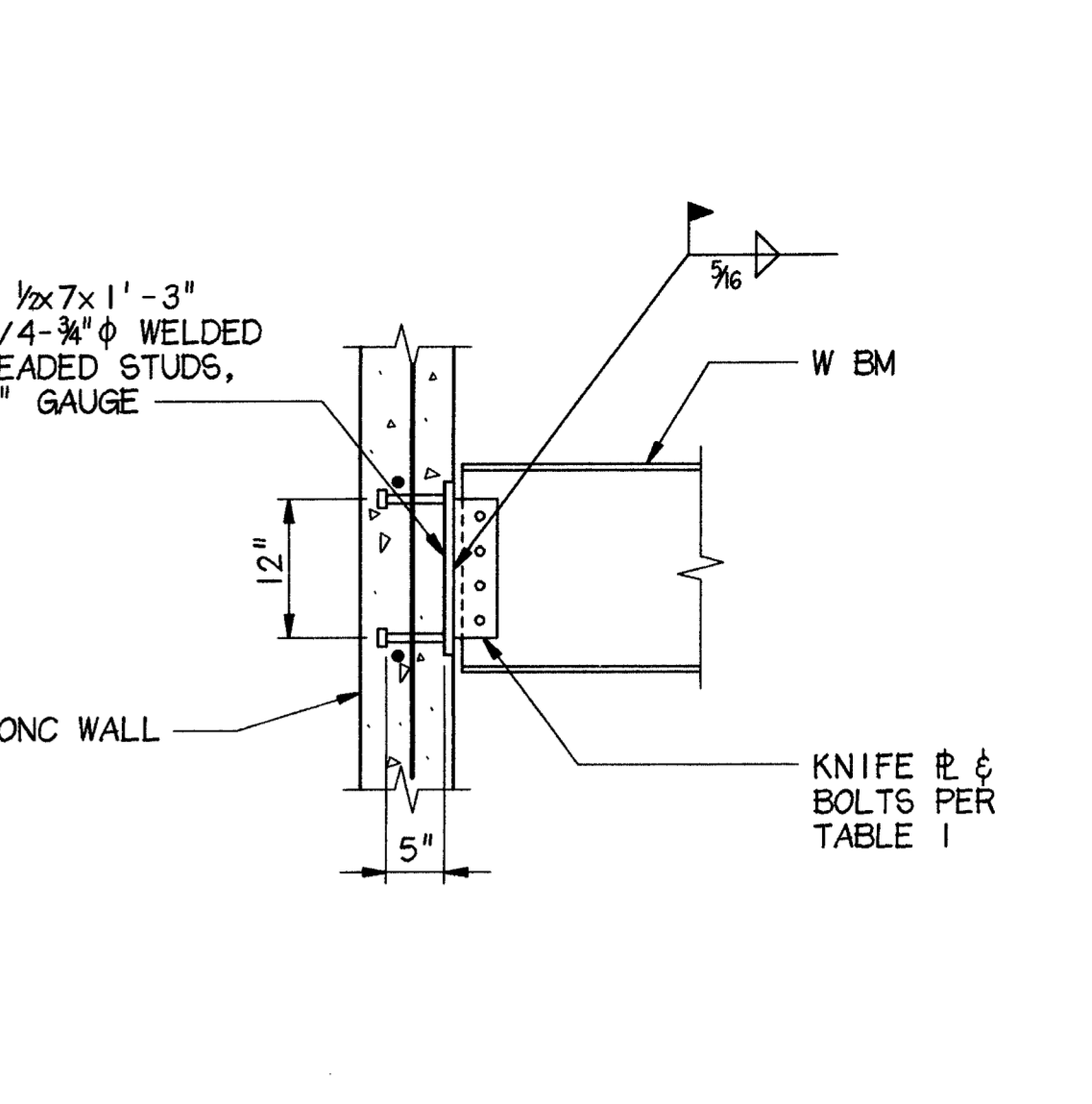
2 GRID E ELEVATIONS
 $\frac{1}{8}'' = 1' - 0''$



3 GRID 3 ELEVATION
 $\frac{1}{8}'' = 1' - 0''$

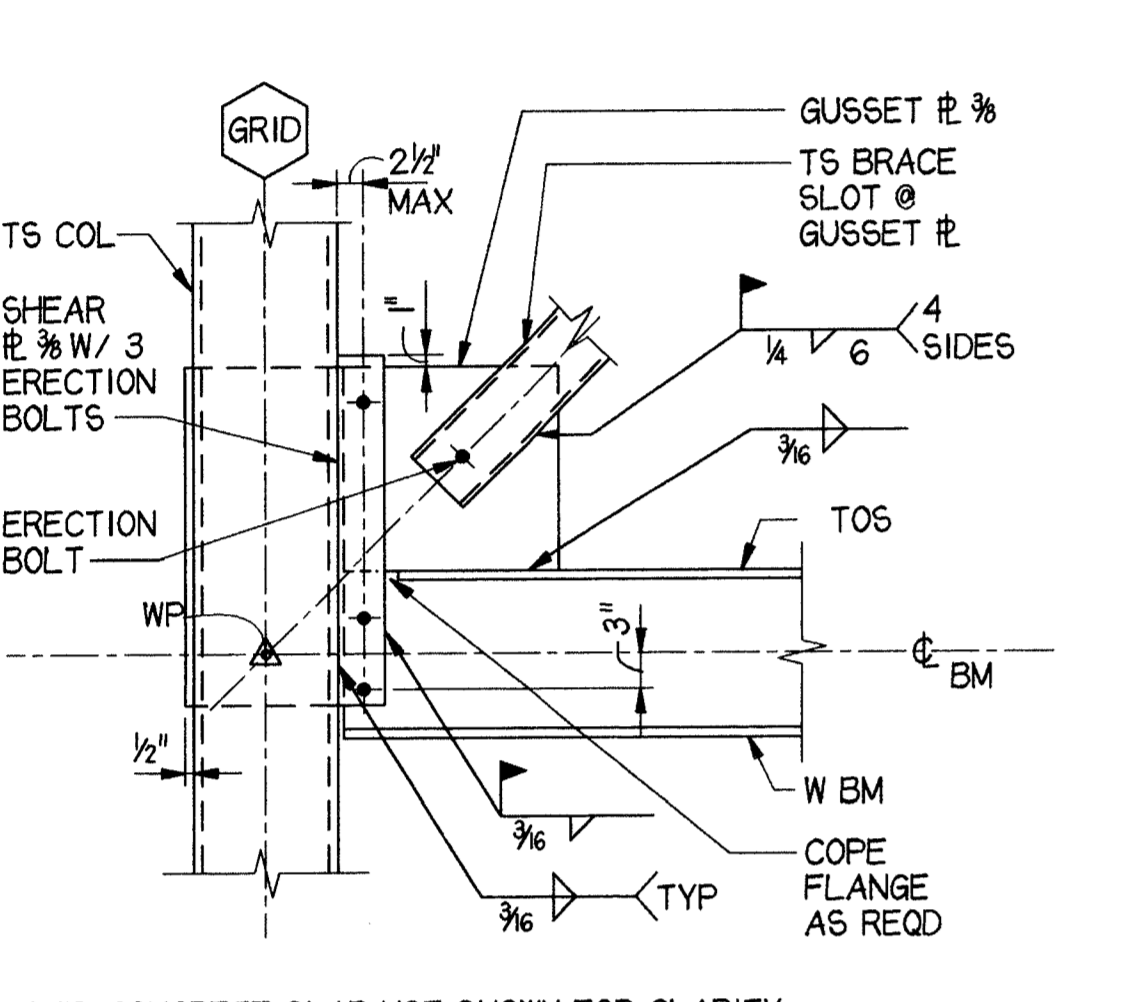


4 GRID 7 ELEVATION
 $\frac{1}{8}'' = 1' - 0''$



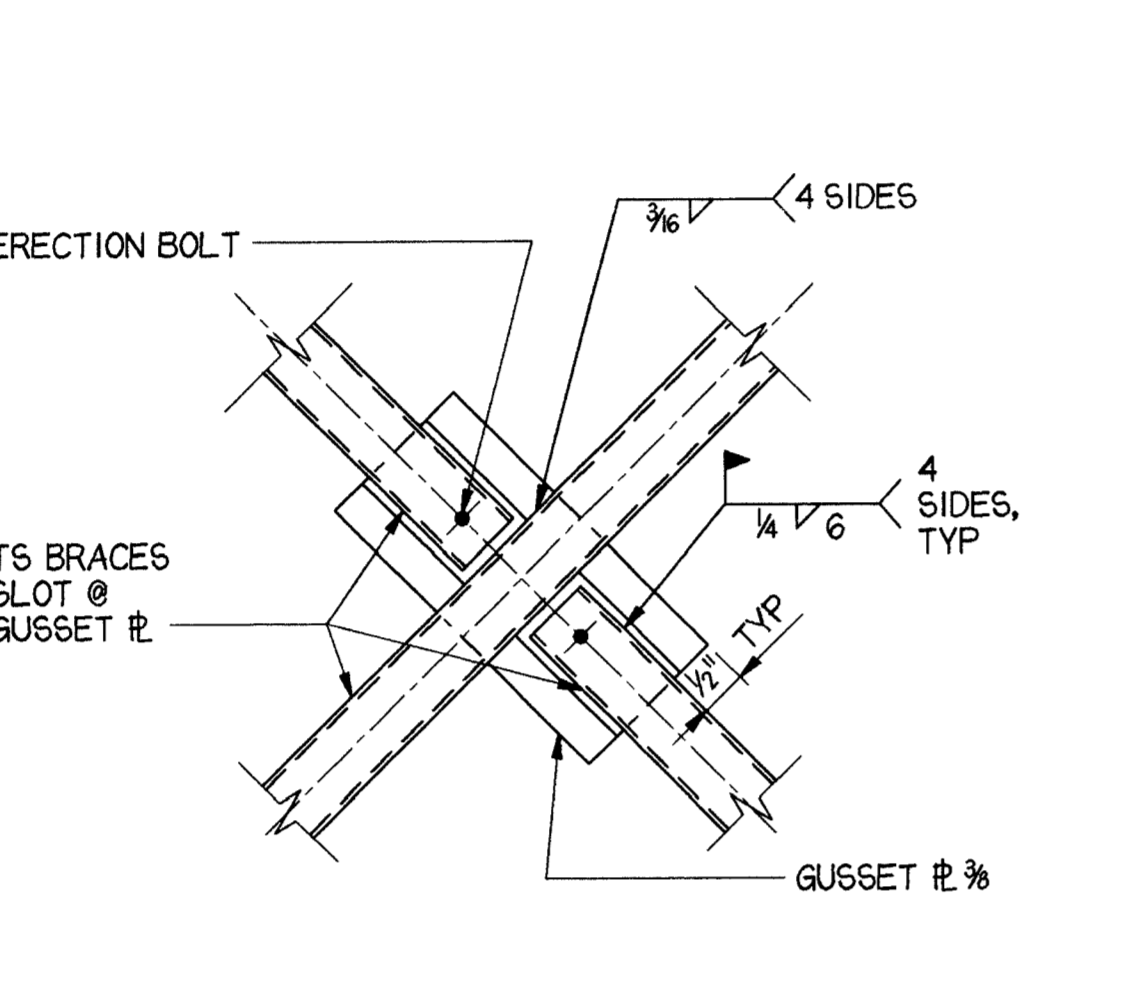
5 DETAIL
 $1'' = 1' - 0''$

6 TYP W18 TO CONC WALL & P/C COL CONN
 $\frac{3}{8}'' = 1' - 0''$

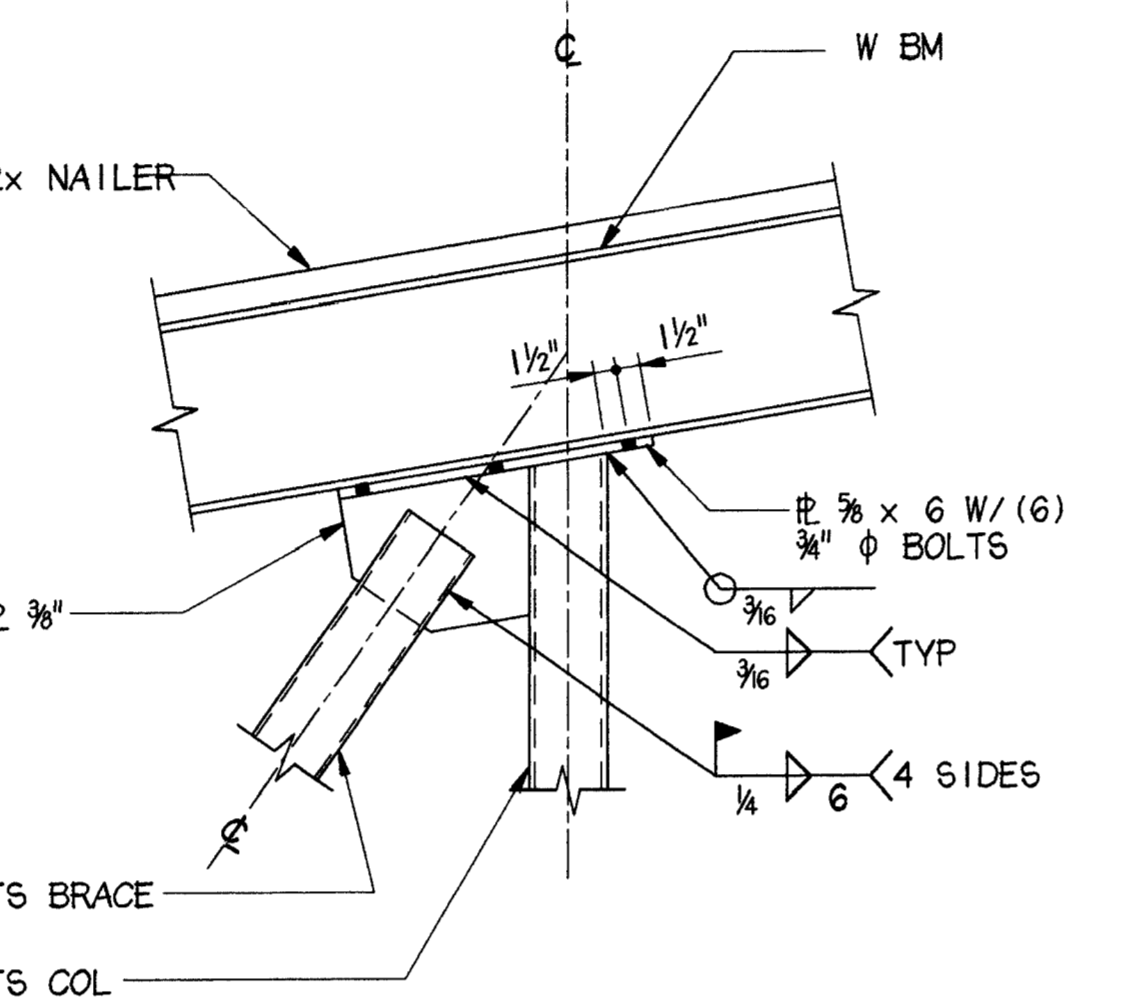


NOTE: CONCRETE SLAB NOT SHOWN FOR CLARITY.

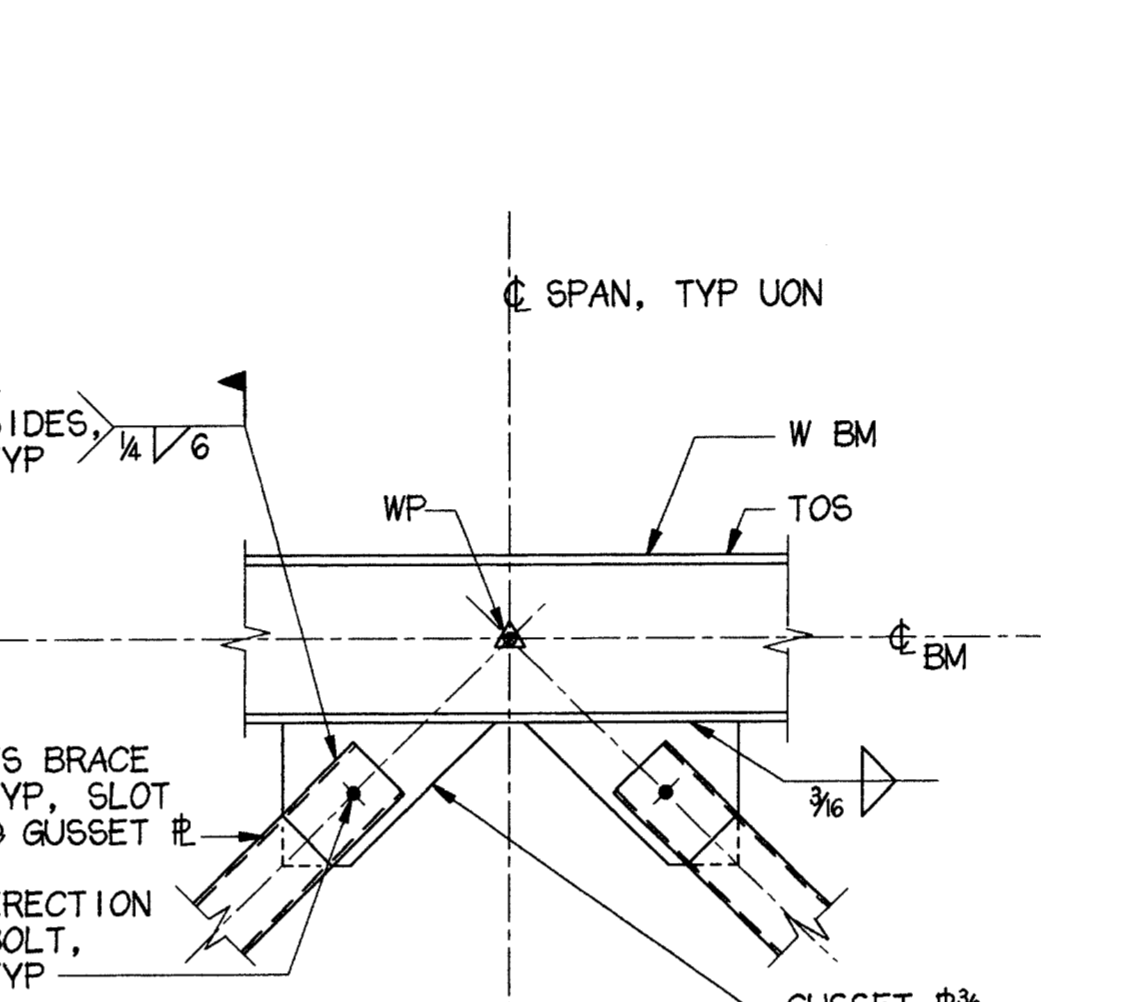
7 TYP TS BRACE TO COL FLANGE & BEAM
 $\frac{3}{8}'' = 1' - 0''$



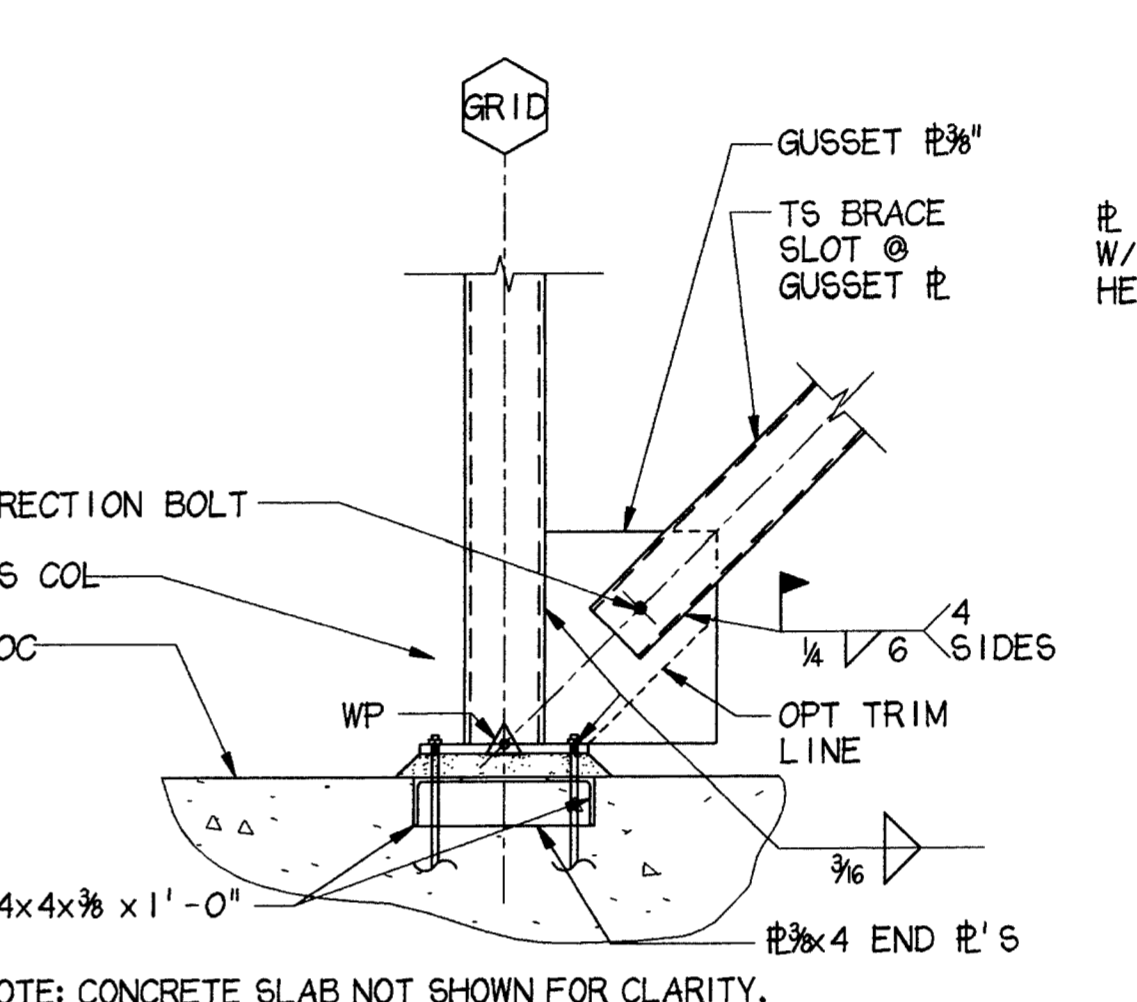
8 BRACE INTERSECTION
 $\frac{3}{8}'' = 1' - 0''$



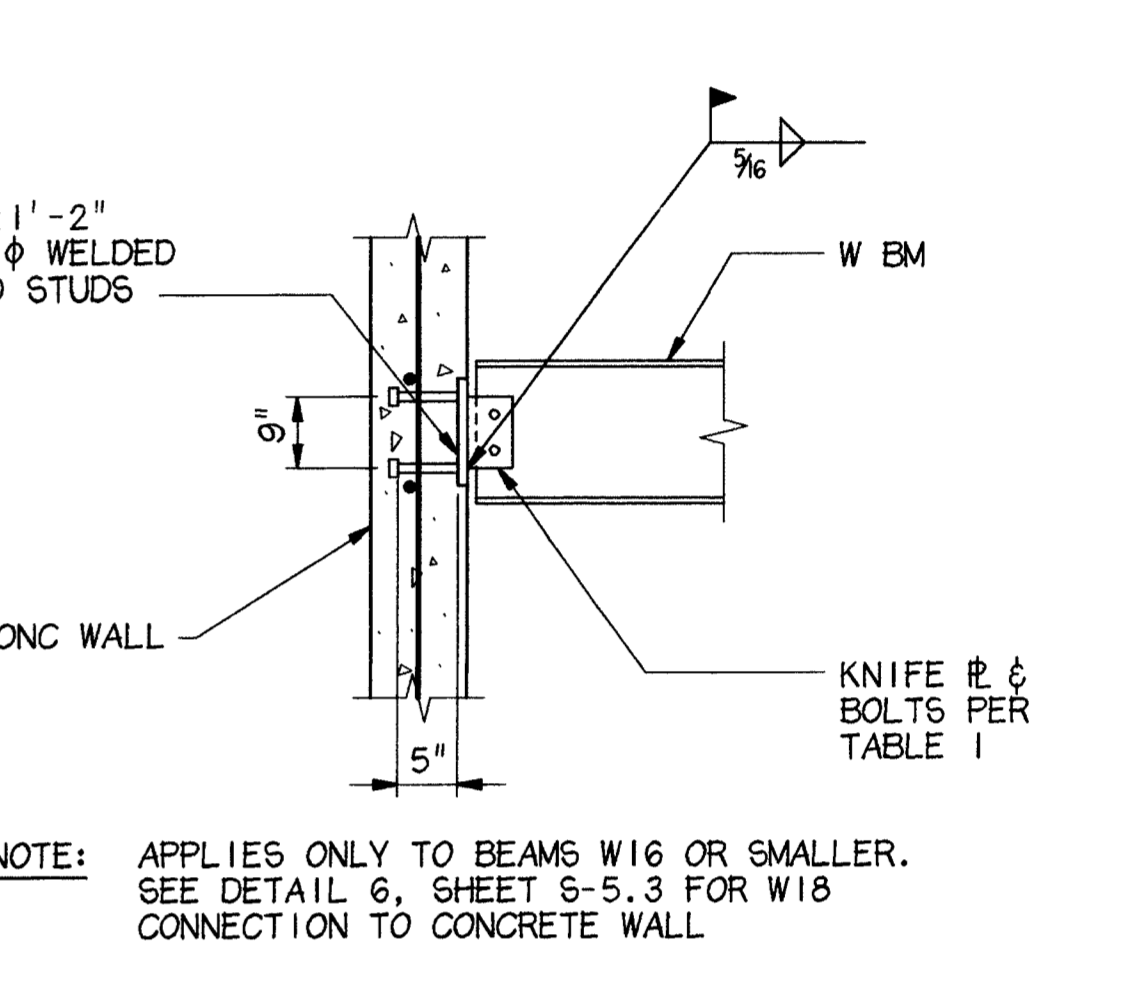
9 BRACE DETAIL
 $1'' = 1' - 0''$



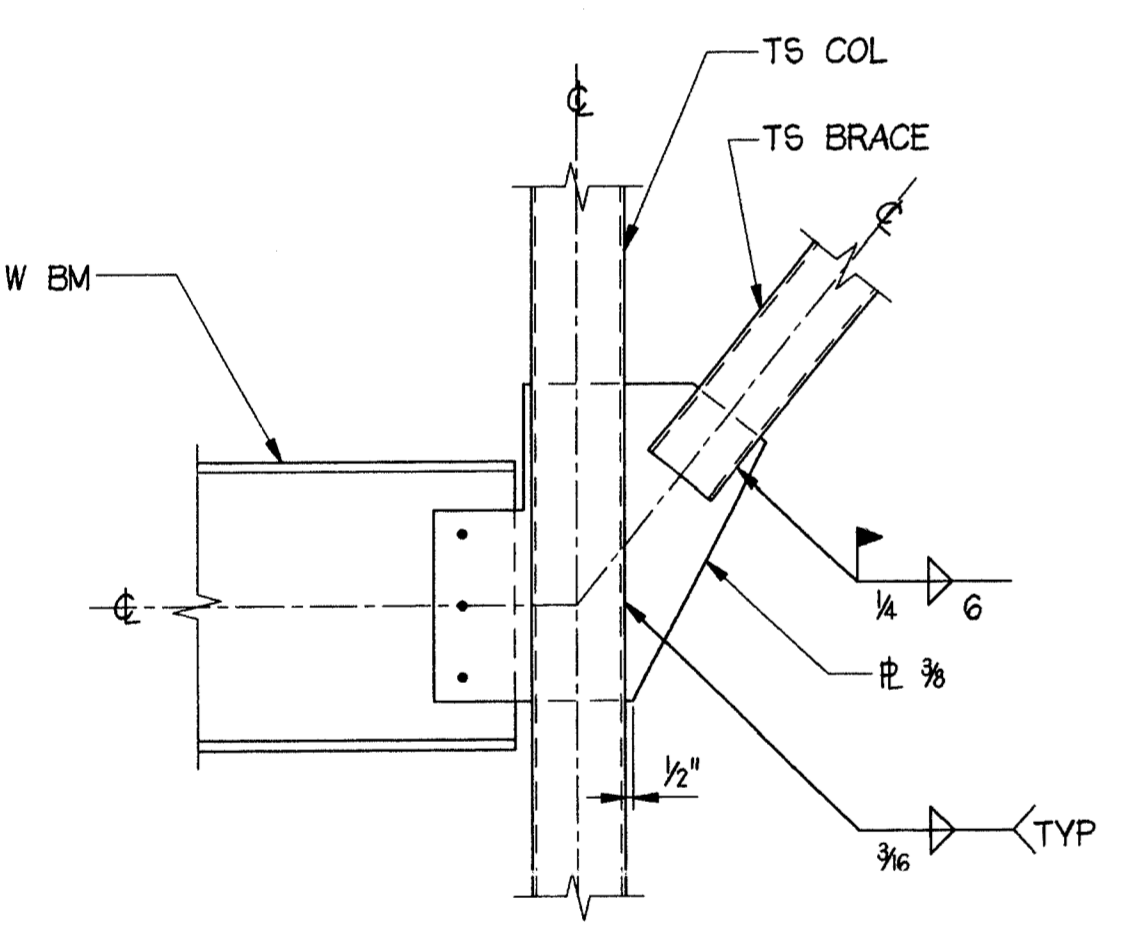
10 TYP TS BRACES TO BEAM
 $\frac{3}{8}'' = 1' - 0''$



11 TYP TS BRACE TO COL BASE
 $\frac{3}{8}'' = 1' - 0''$

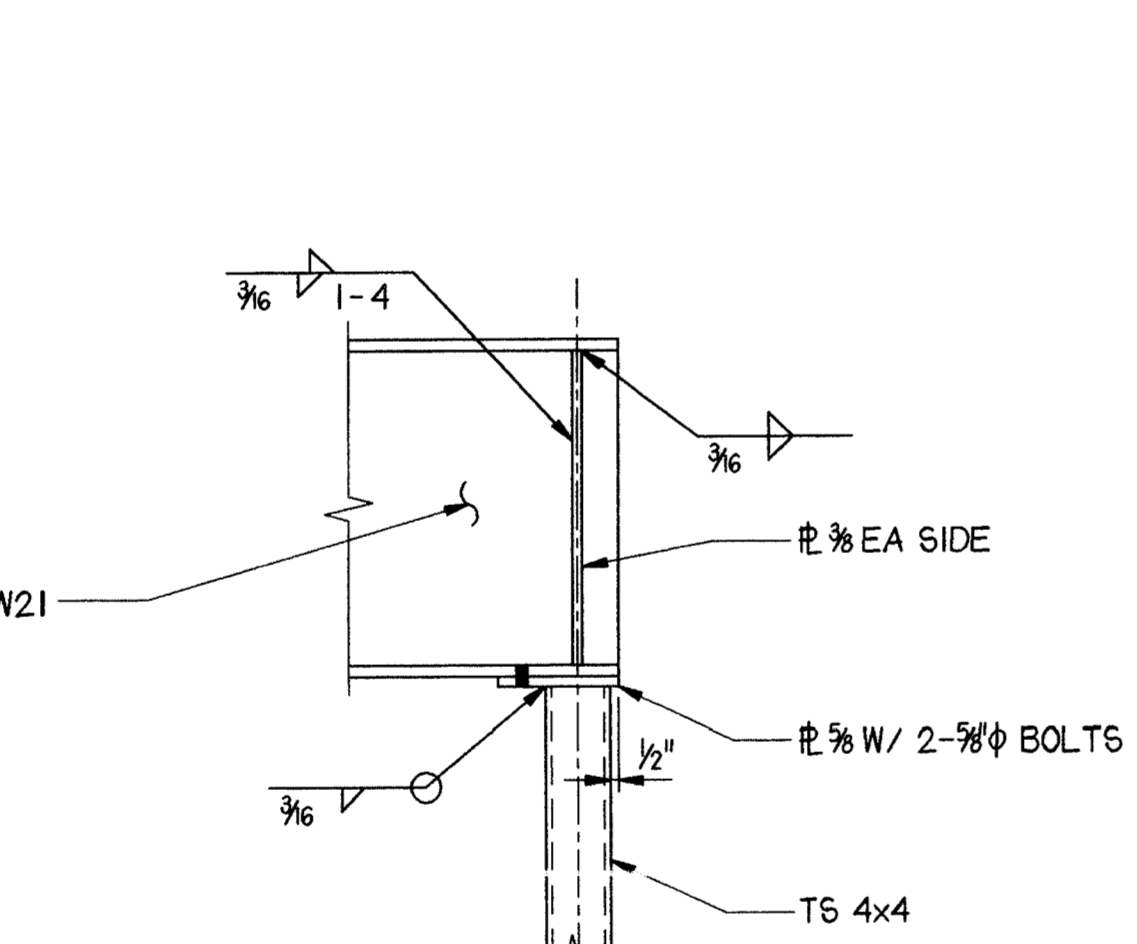


12 TYP W BM TO CONC WALL & P/C COL CONN
 $\frac{3}{8}'' = 1' - 0''$

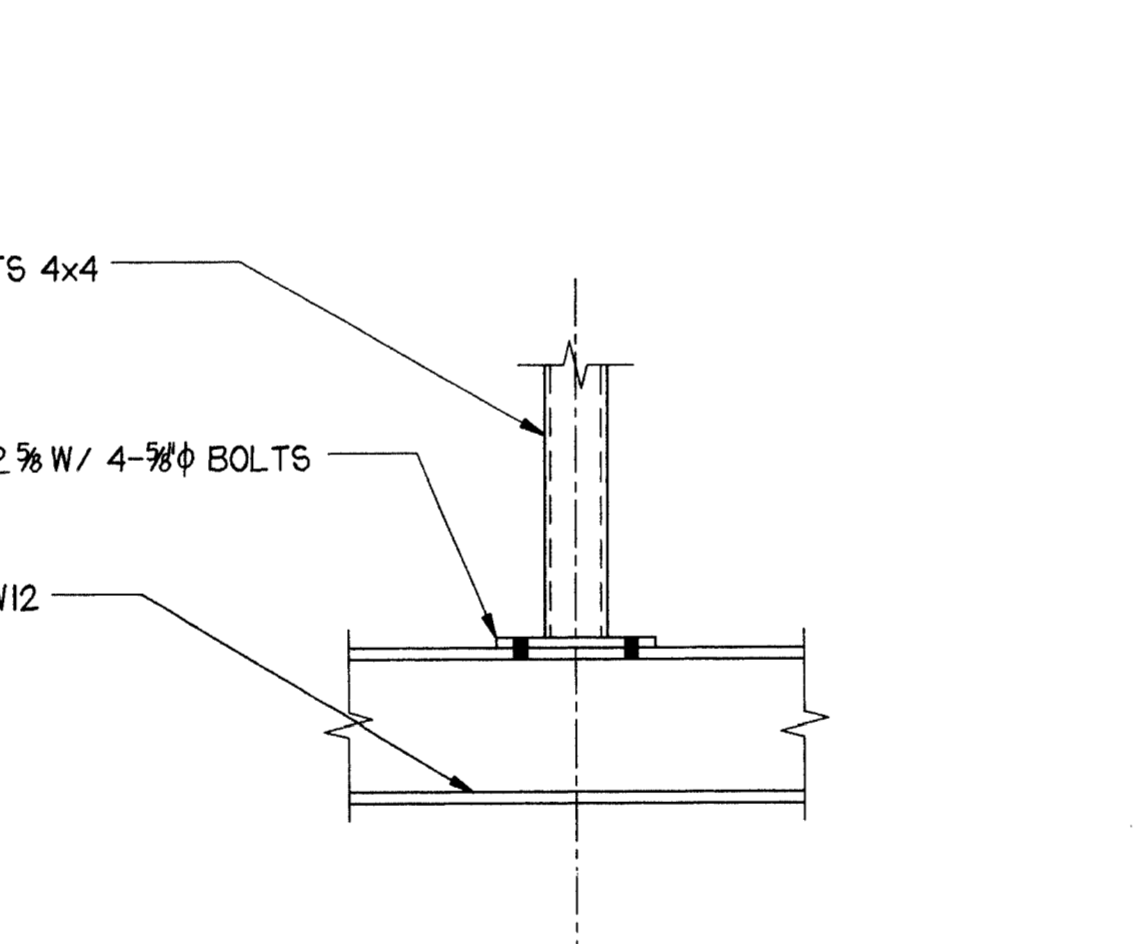


NOTE:
 1. CONCRETE SLAB NOT SHOWN FOR CLARITY.
 2. USE STANDARD HOLES IN THE SHEAR PLATE AT THIS LOCATION.

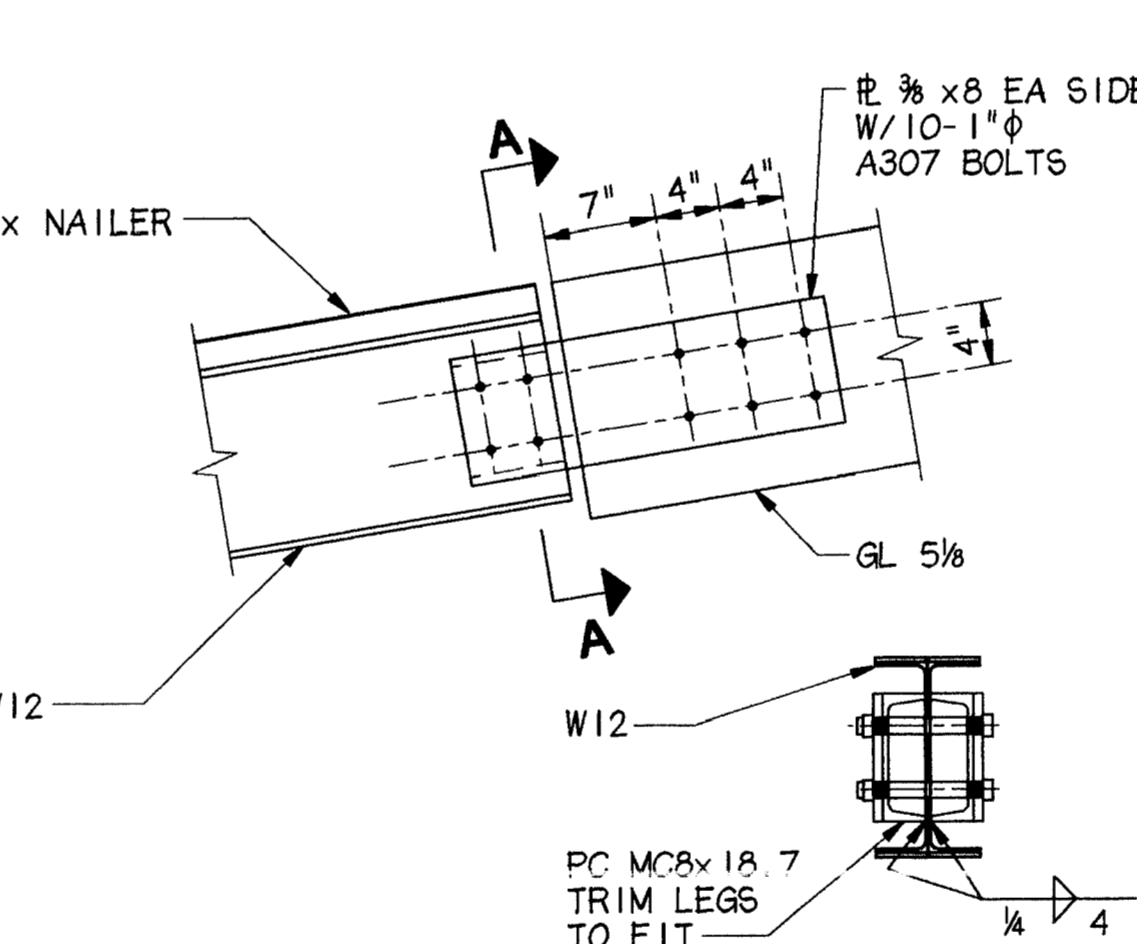
13 BRACE DETAIL
 $1'' = 1' - 0''$



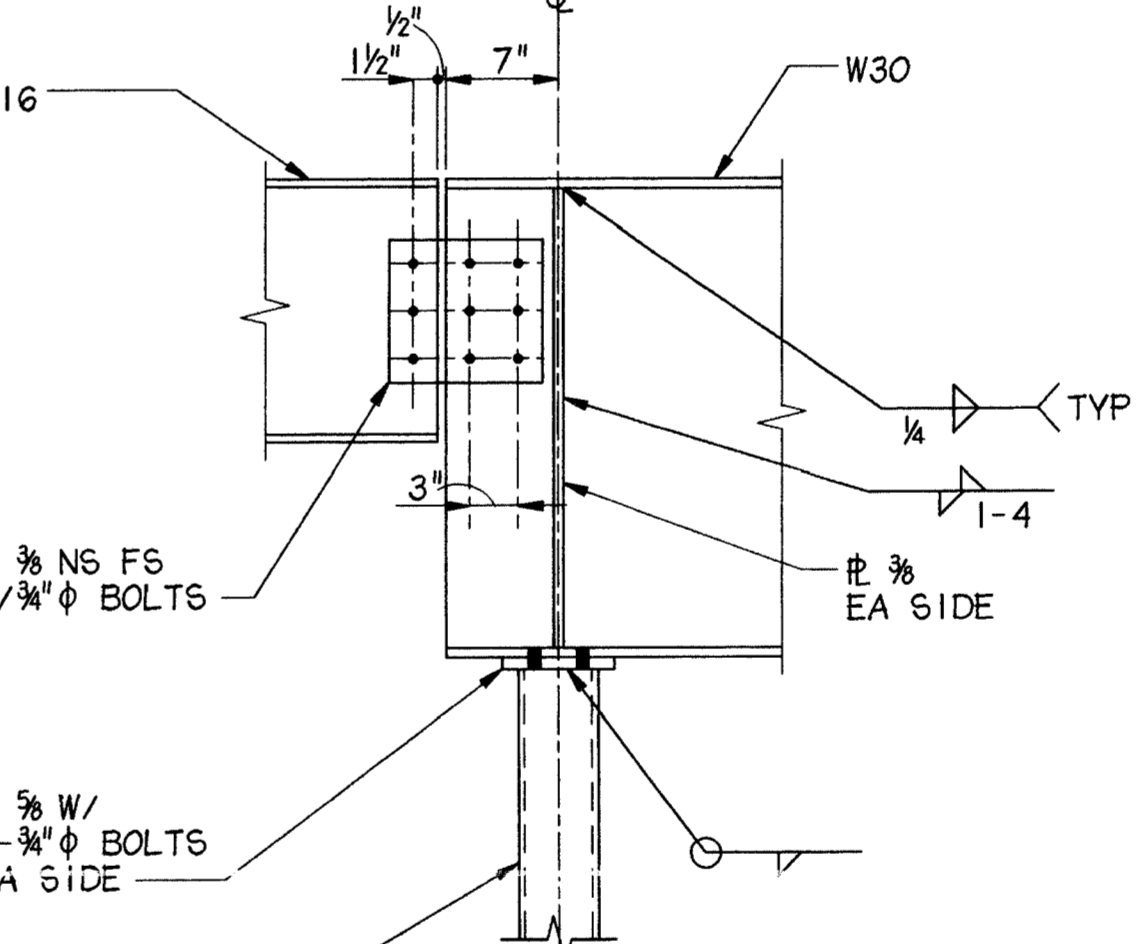
14 DETAIL
 $1'' = 1' - 0''$



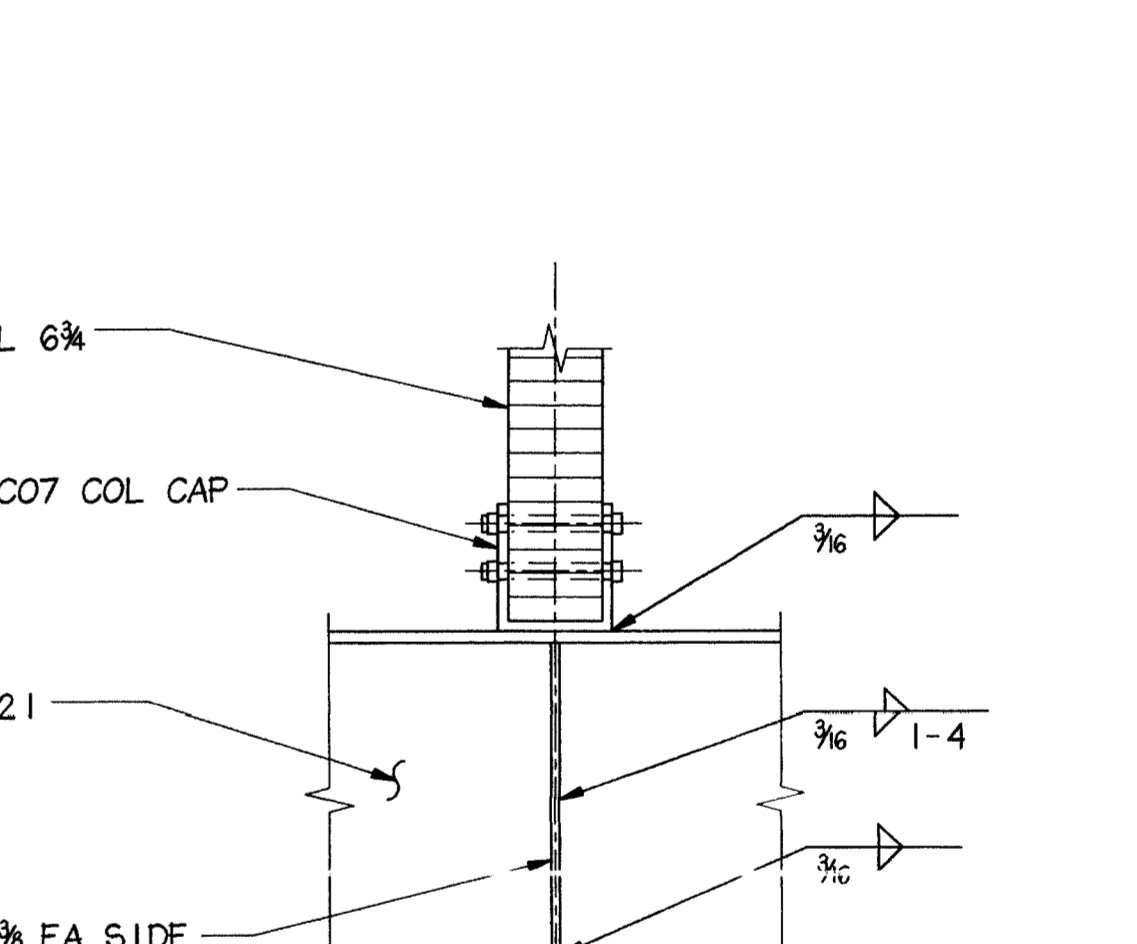
15 DETAIL
 $1'' = 1' - 0''$



16 STRUT DETAIL
 $1'' = 1' - 0''$



17 W30 TO TS COL
 $1'' = 1' - 0''$

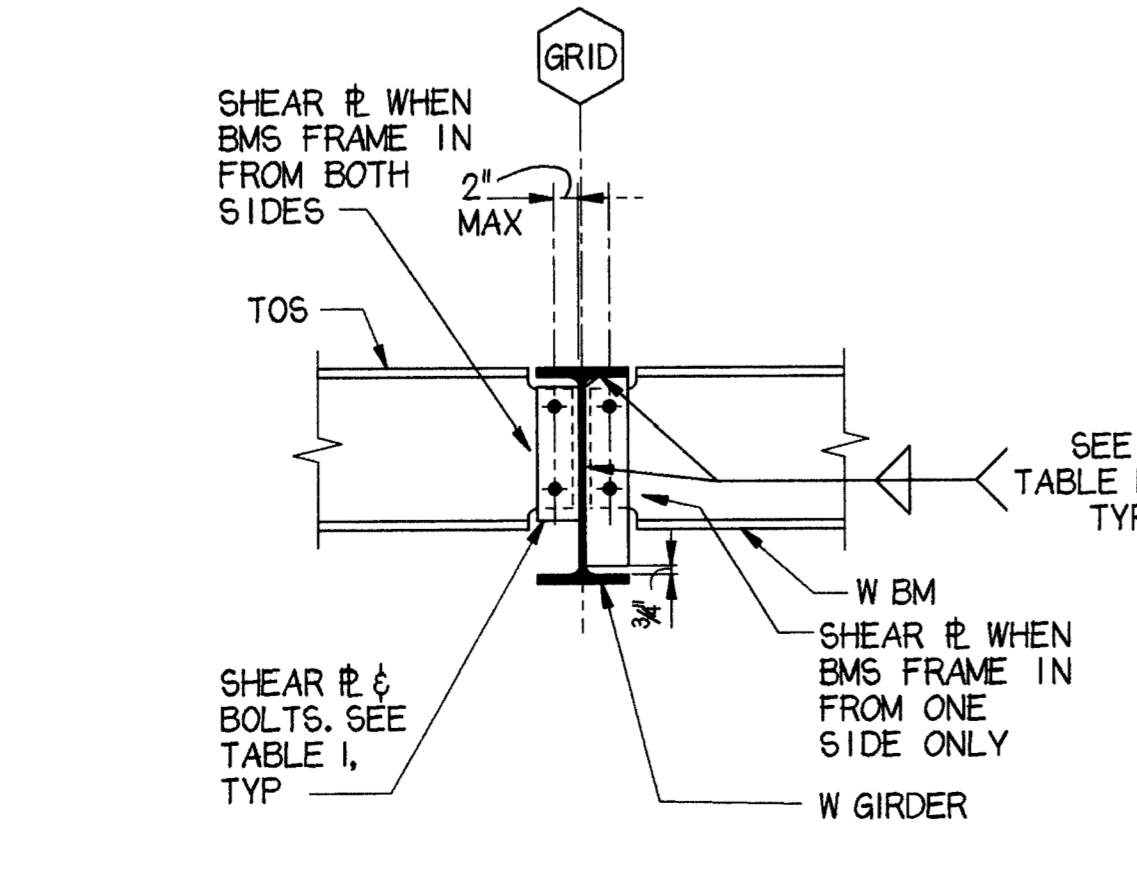


18 DETAIL
 $1'' = 1' - 0''$

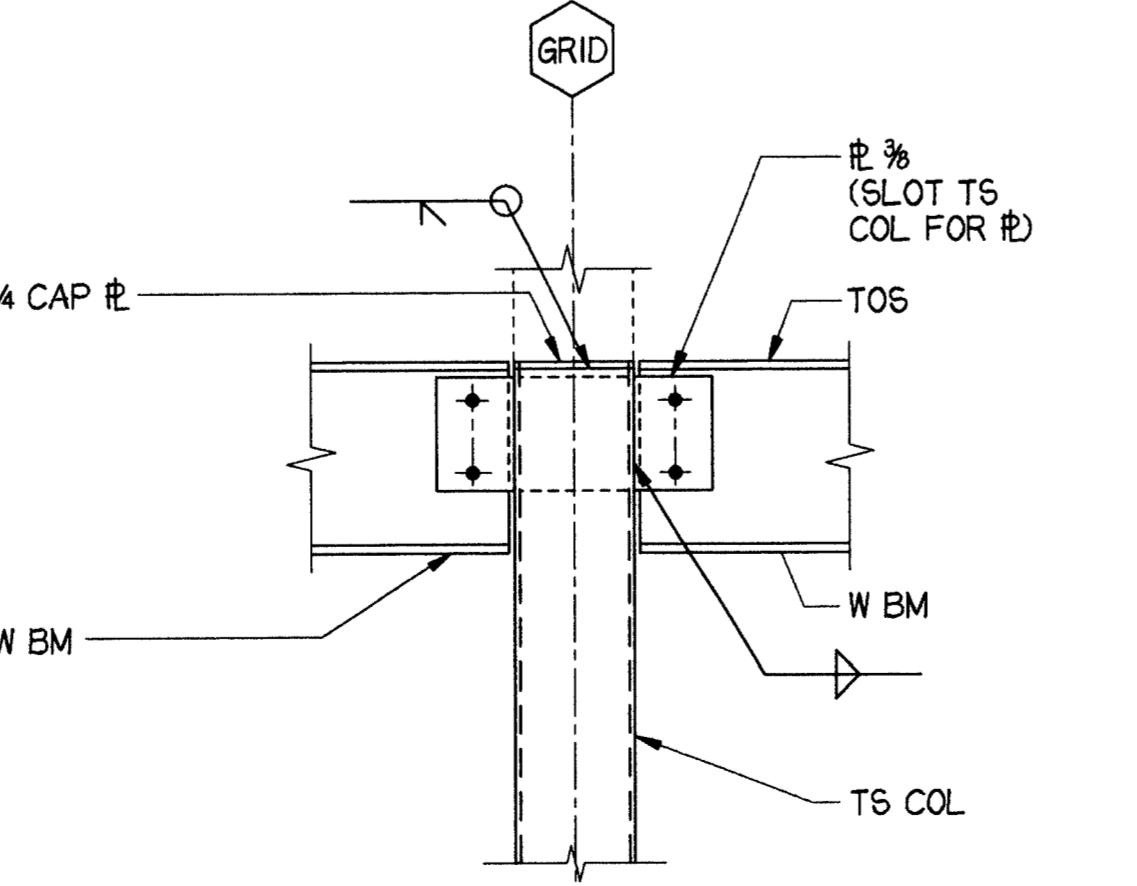
| TABLE 1 SINGLE-PLATE SHEAR CONNS | | | | |
|-------------------------------------|-----------|--------------------|-----------------|-----------------------------|
| BEAM SIZES | H&B REQ'D | SHEAR PL THICKNESS | WELD SIZE | H&B SIZE & TYPE |
| W8 TO W12 | 2 | $\frac{3}{8}''$ | $\frac{3}{8}''$ | $\frac{3}{8}'' \phi$ -A325N |
| W14 TO W16 | 3 | $\frac{3}{8}''$ | $\frac{3}{8}''$ | $\frac{3}{8}'' \phi$ -A325N |
| W18 | 4 | $\frac{3}{8}''$ | $\frac{3}{8}''$ | $\frac{3}{8}'' \phi$ -A325N |
| W24,W27 | 5 | $\frac{3}{8}''$ | $\frac{3}{8}''$ | $\frac{3}{8}'' \phi$ -A325N |
| W30 | 7 | $\frac{3}{8}''$ | $\frac{3}{8}''$ | $\frac{3}{8}'' \phi$ -A325N |

NOTES:
 1. ALL H&B TO BE FULLY TIGHTENED.
 2. FABRICATE SHEAR PL WITH HORIZ SHORT-SLOTTED HOLES AND BEAMS WITH STANDARD HOLES.
 3. H&B VERT SPA = 3" MIN, EDGE DIST = 1/2" MIN.

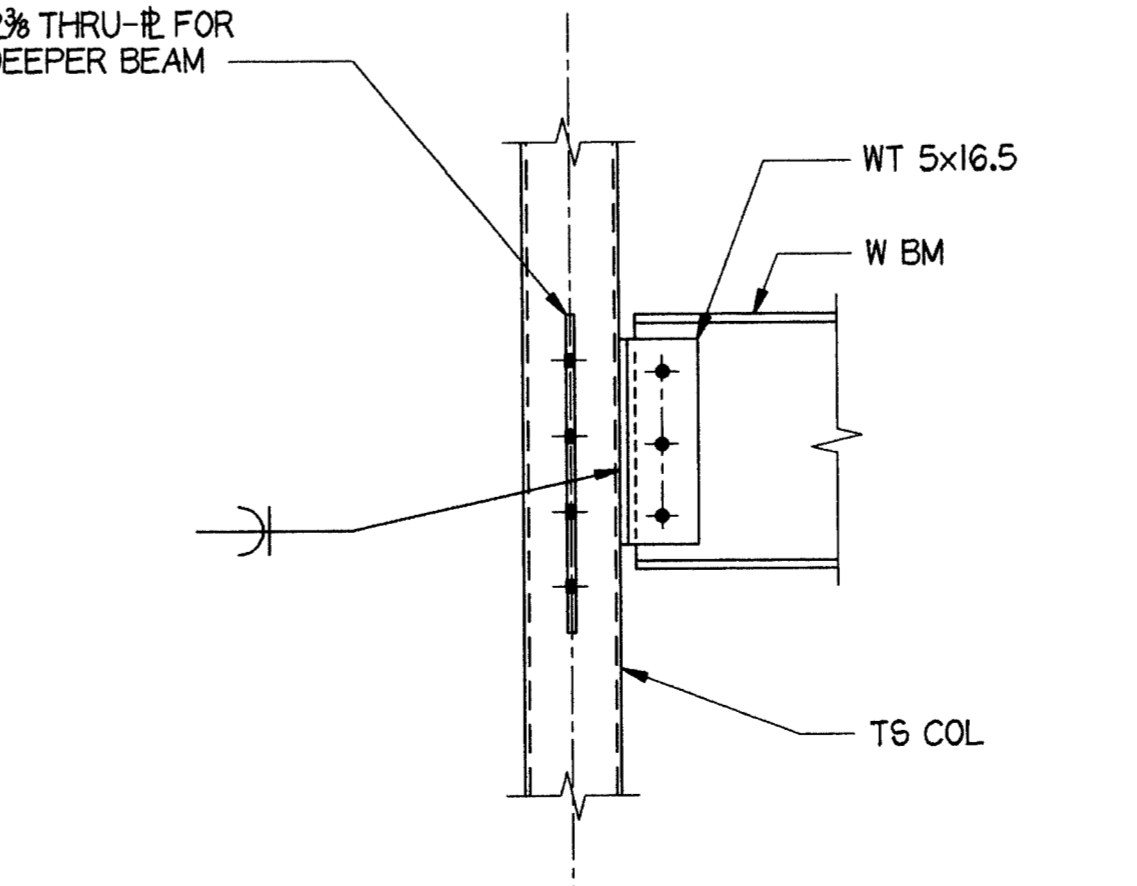
19 TABLE 1



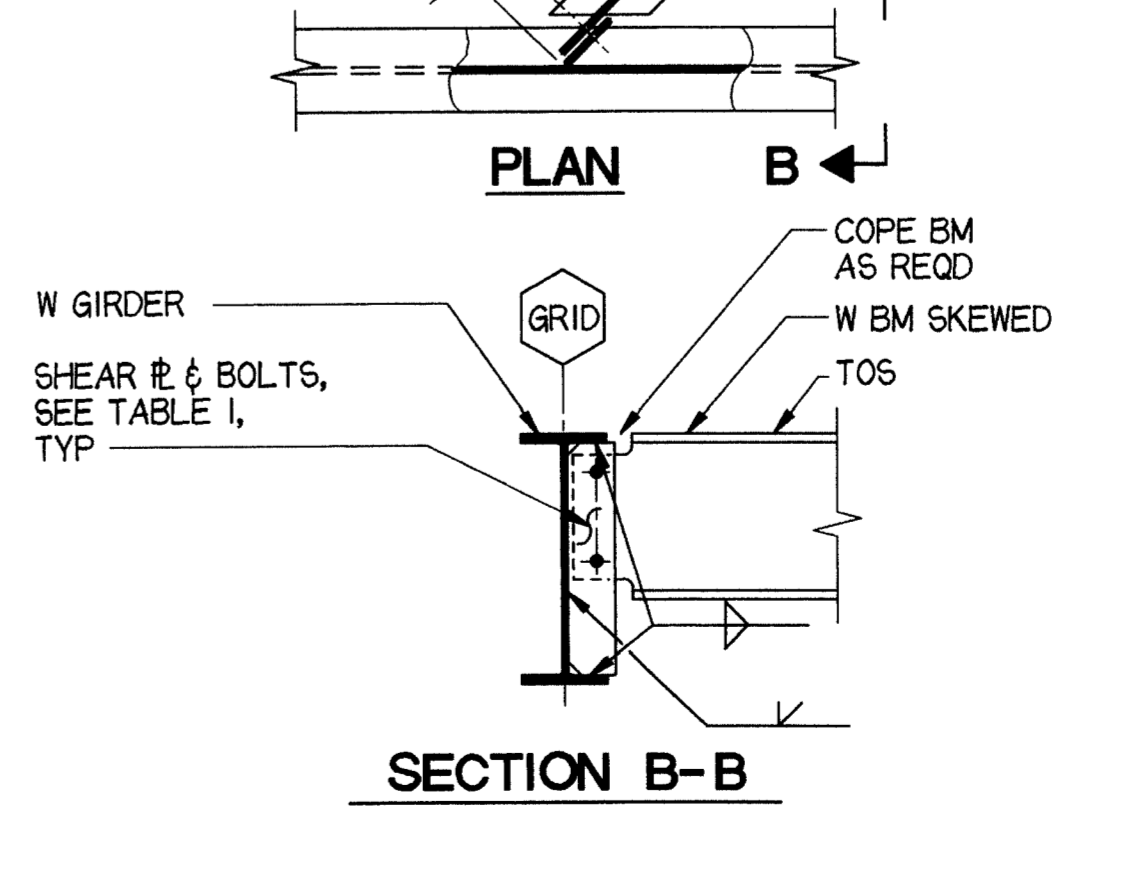
20 TYP BM TO BM CONN
 $\frac{3}{8}'' = 1' - 0''$



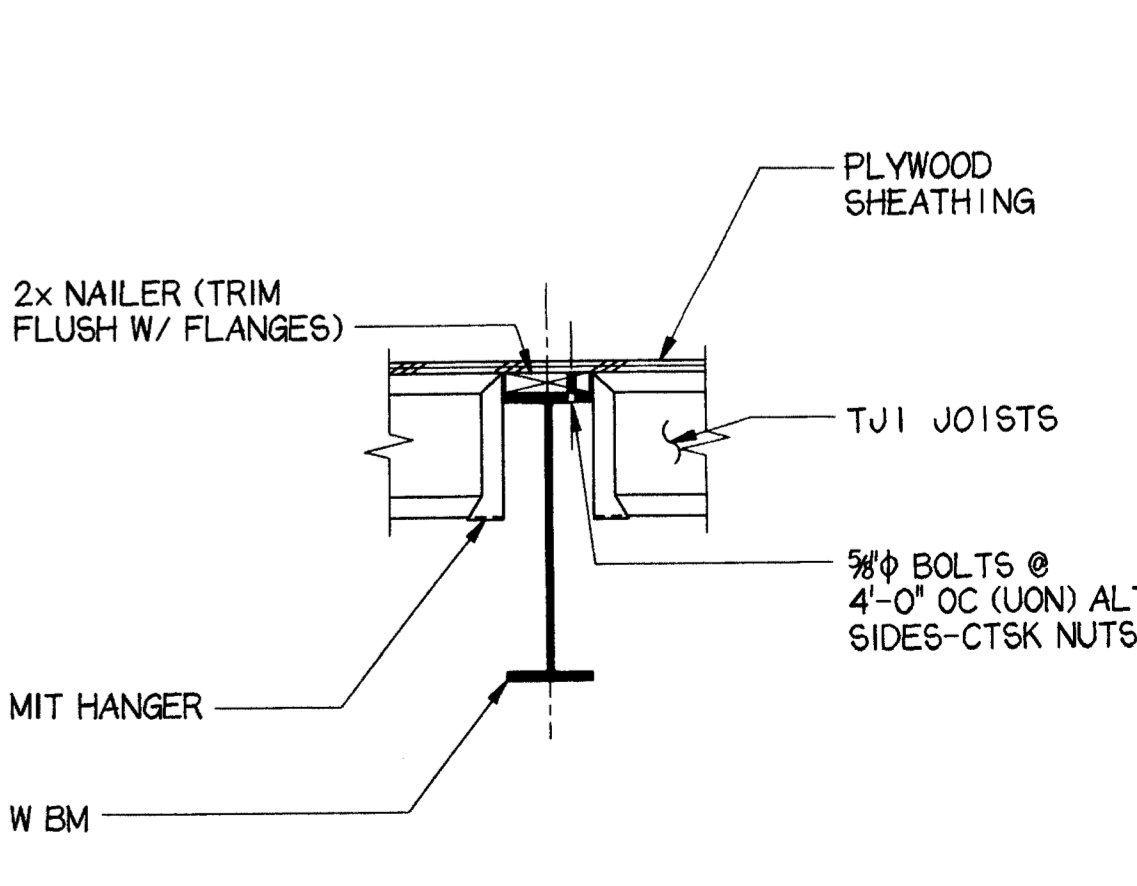
21 TYP BEAM TO TS COLUMN CONNECTION
 $\frac{3}{8}'' = 1' - 0''$



22 BEAM TO TS COLUMN
 $\frac{3}{8}'' = 1' - 0''$

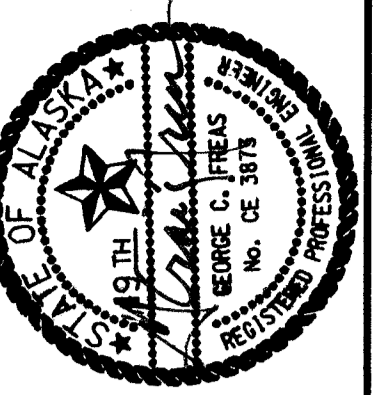


23 TYP SKEWED BM TO GIRDER CONNECTION
 $\frac{3}{8}'' = 1' - 0''$



24 TYP NAILER DETAIL
 $\frac{3}{8}'' = 1' - 0''$

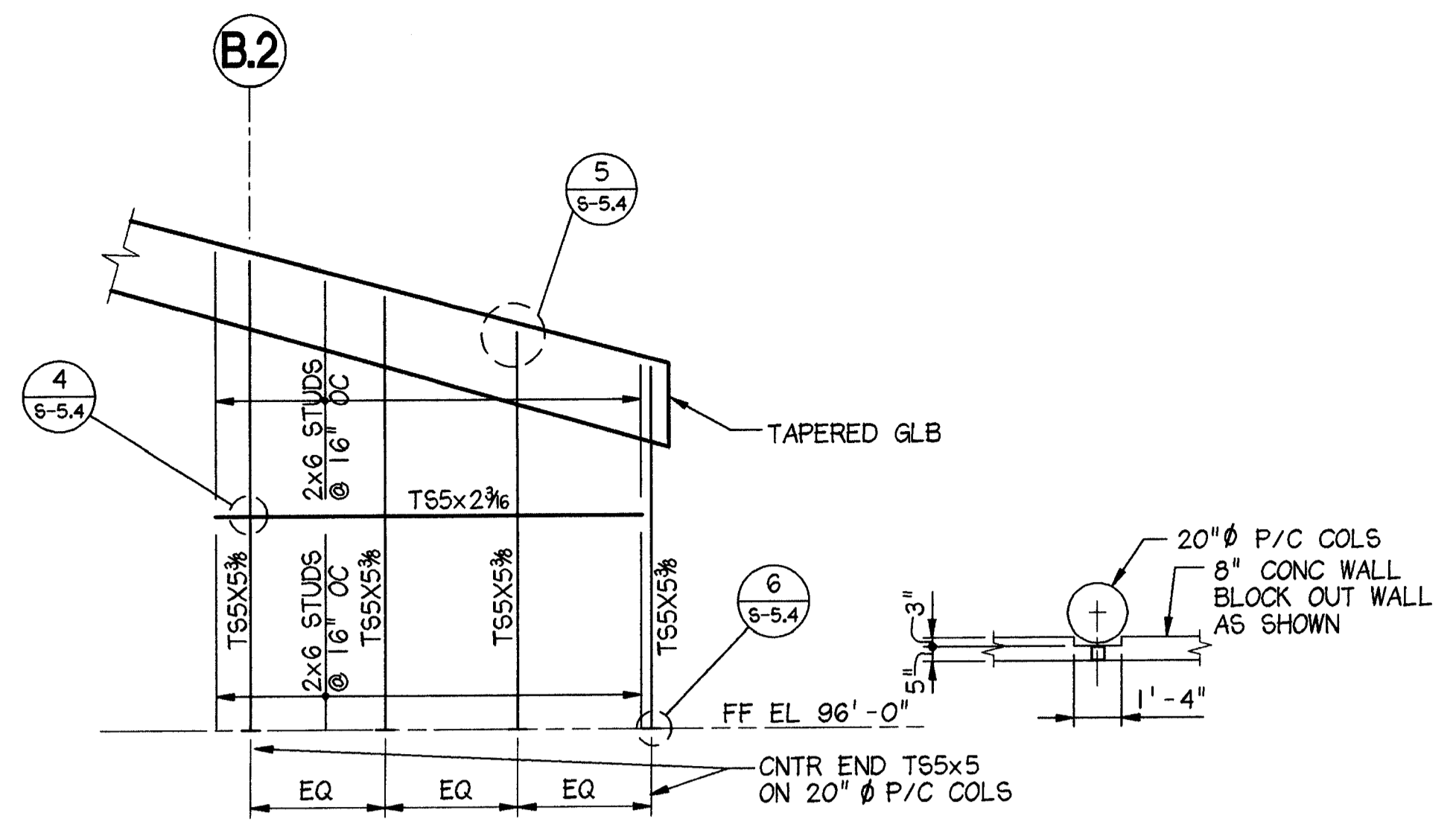
LAST PLOT DATE: 4/6/98
 4:00PM 9525.61/ANHC55-2.DGN



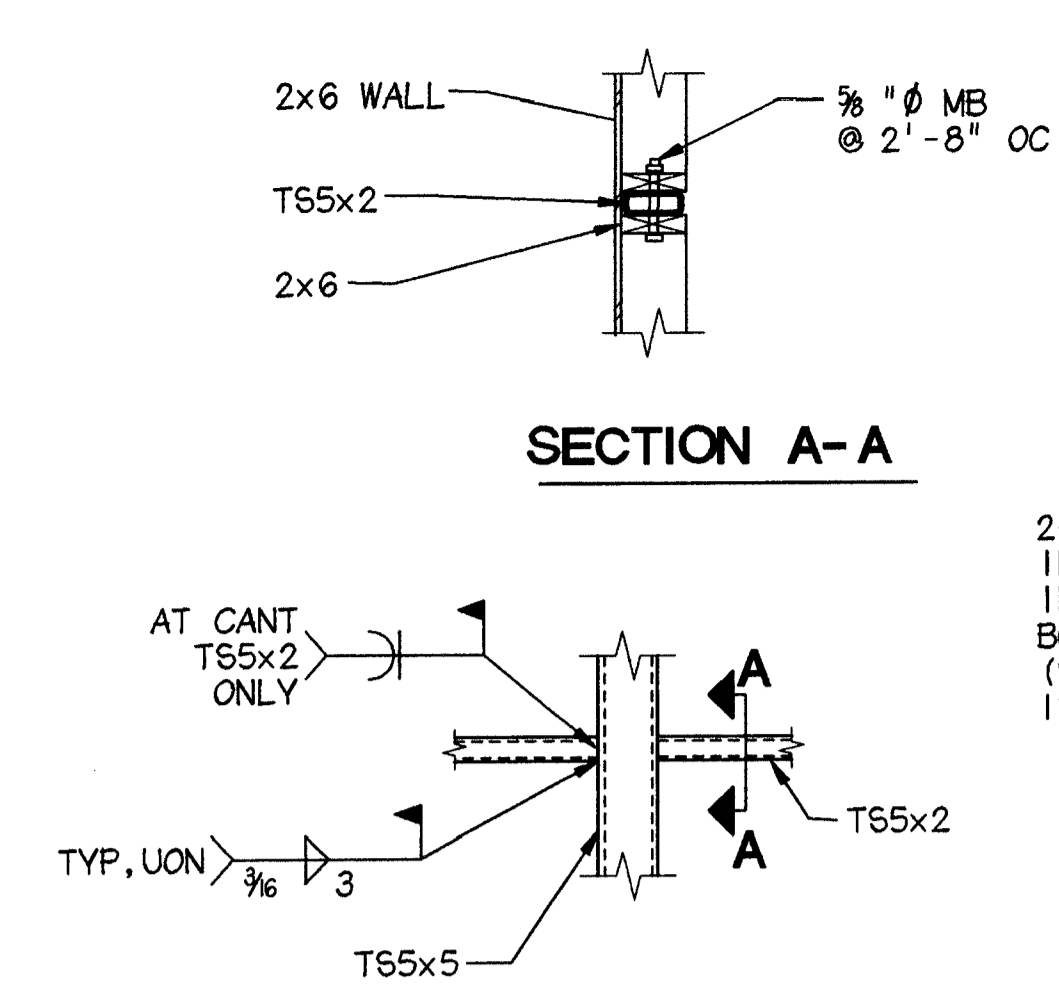
Cash Barner Architects
 Anchorage, Alaska 99501
 909 W 5th Avenue, Suite 500
 Phone 907/258-7777 FAX 907/279-8195
 An Alaska Corporation

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 MISC SECTIONS AND DETAILS

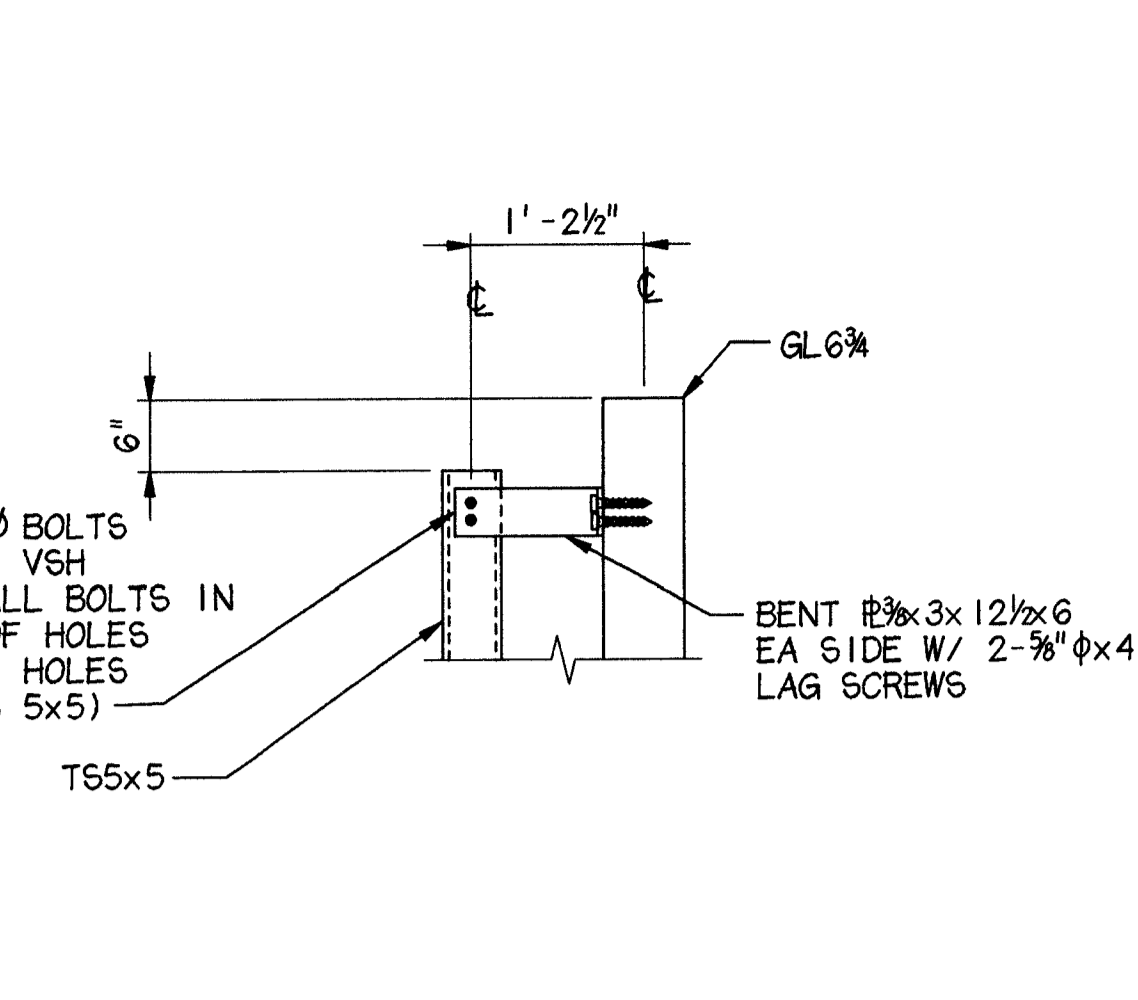
Revisions
CONFORMED DRAWINGS
 Date 04/17/98
 Drawn KLA/RDD
 Checked KDA
 Cadd ANHCS5-4DGN
 Job No. 95125.61
 Sheet No.
S-5.4
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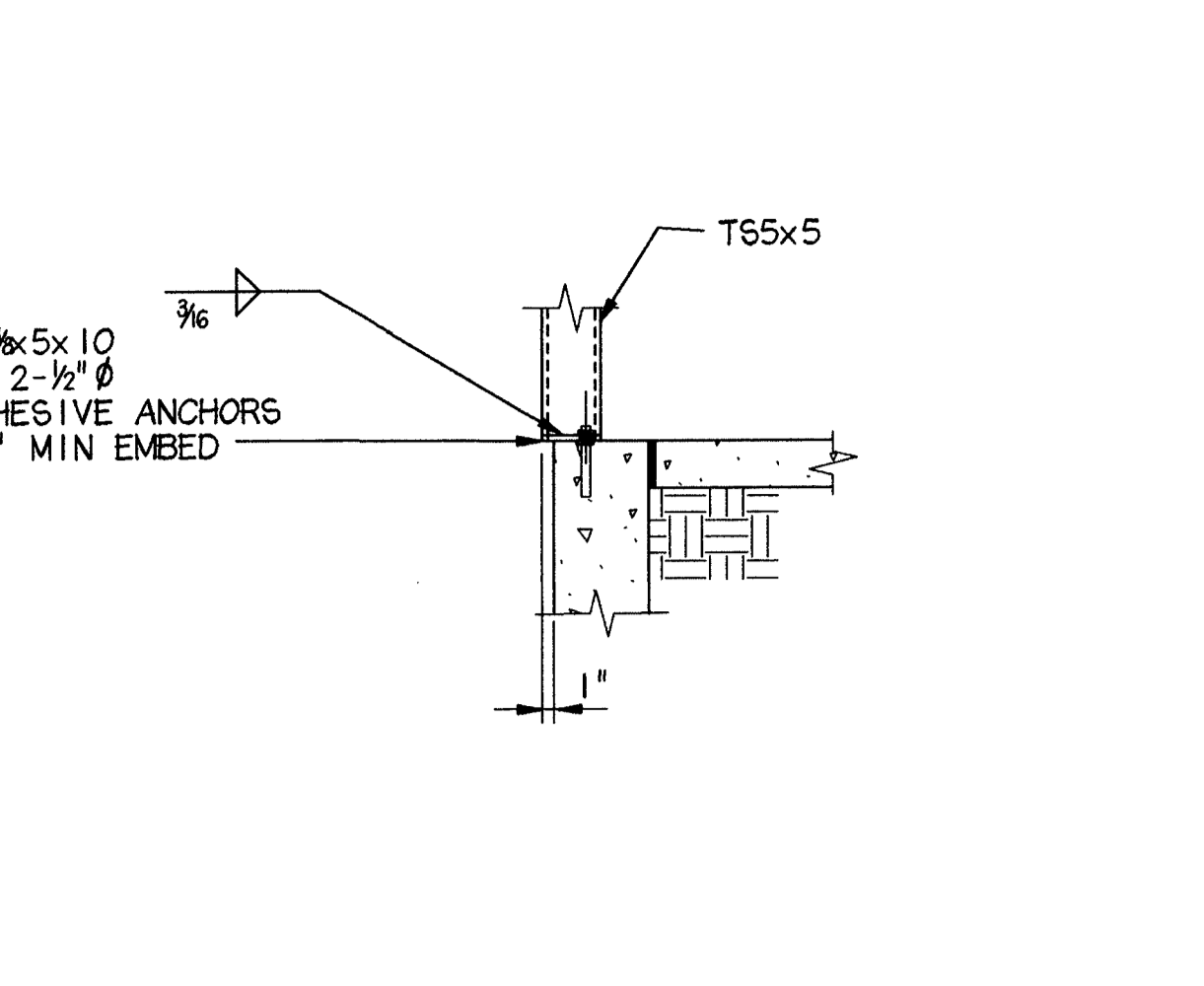
1 EL GRID A/B BTWN 2/3
 3/8" = 1'-0"



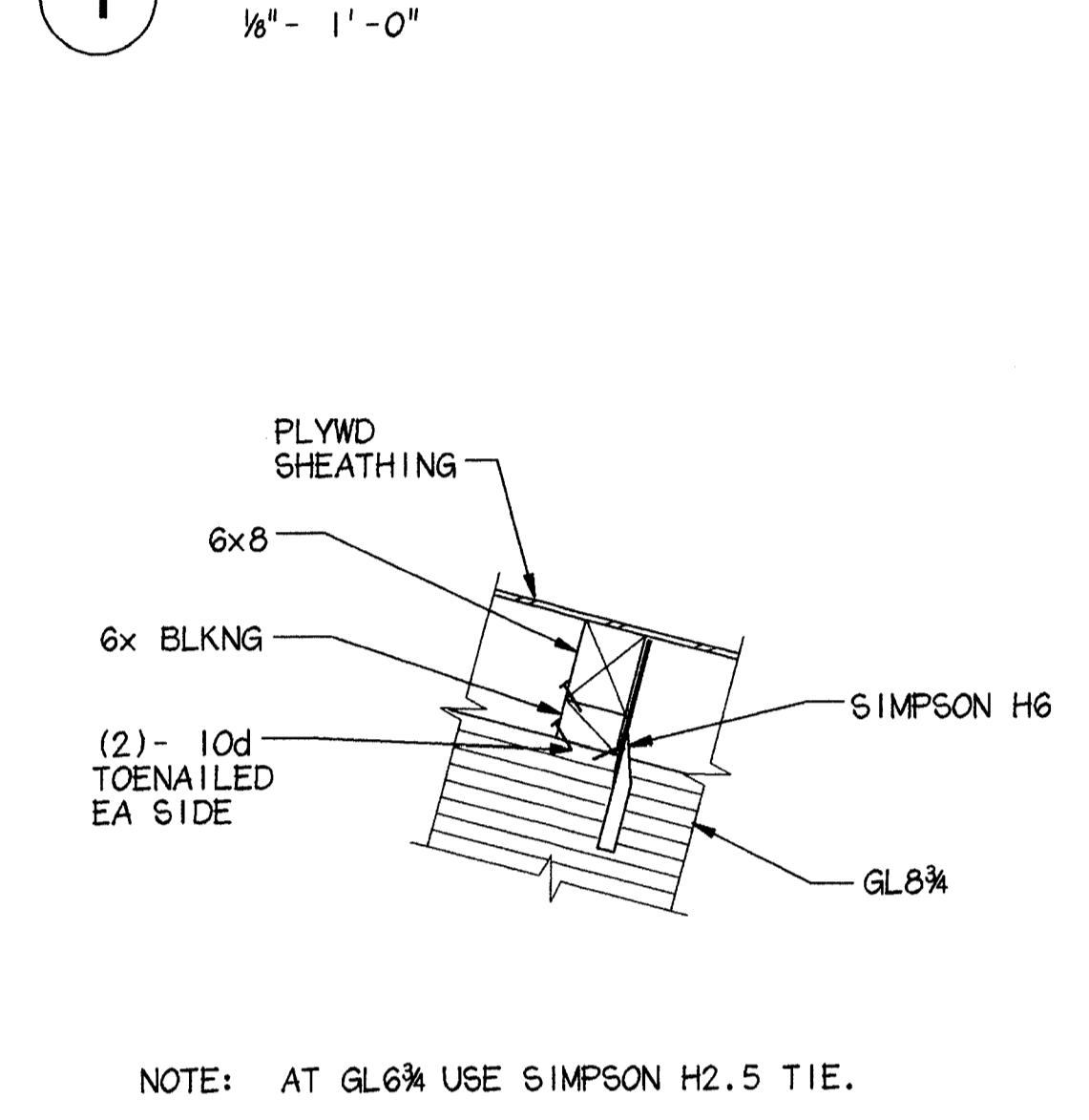
4 DETAIL
 3/8" = 1'-0"



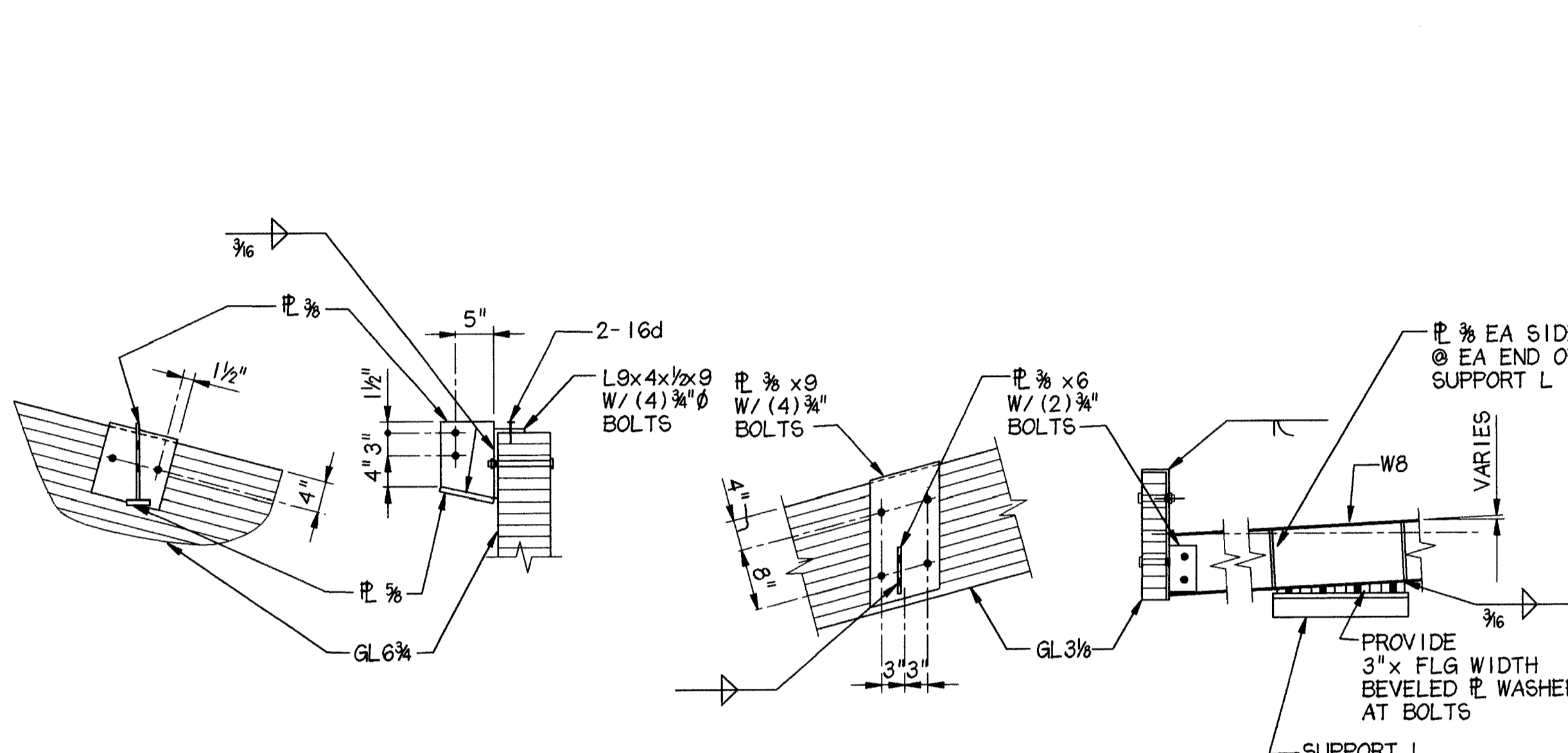
5 DETAIL
 3/8" = 1'-0"



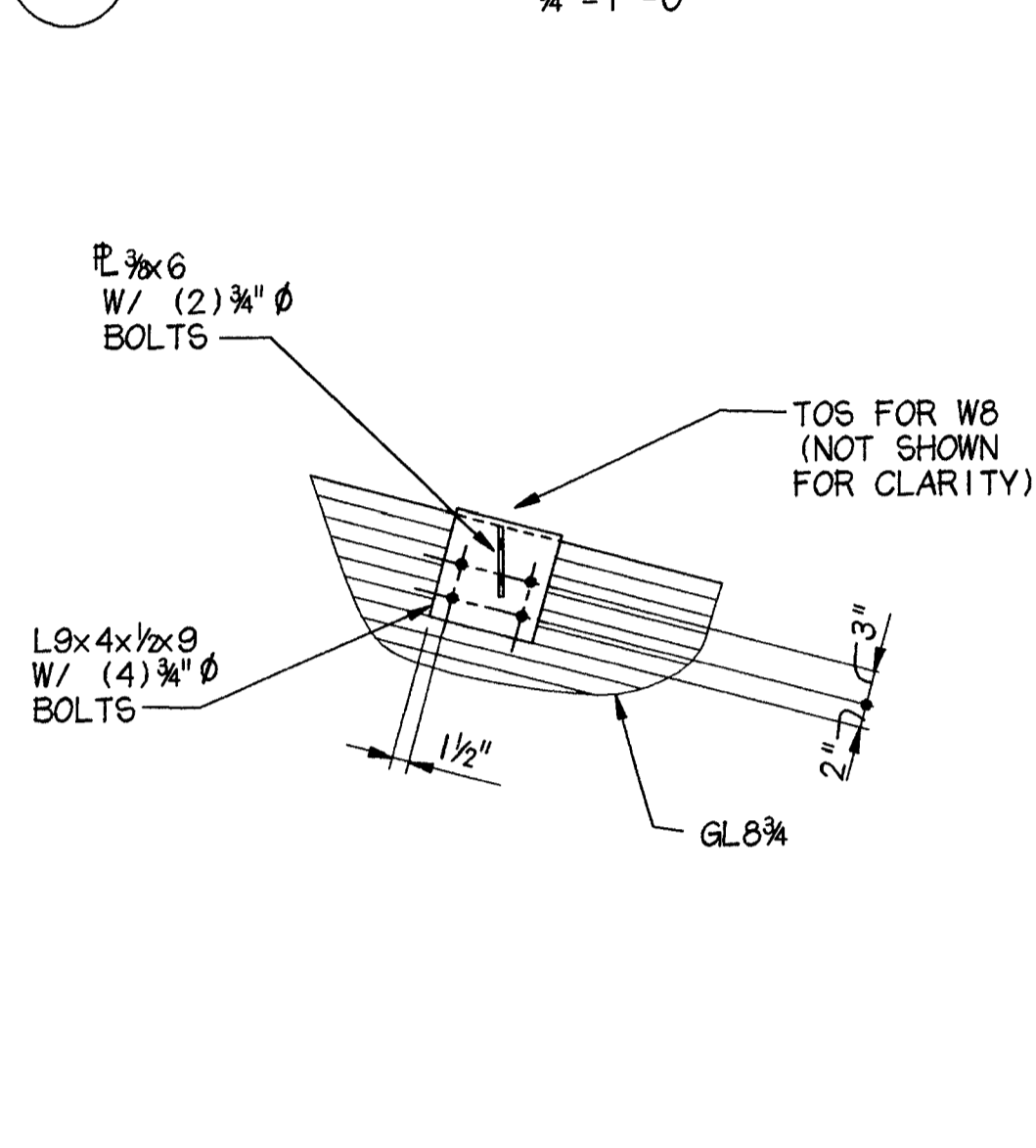
6 DETAIL
 3/8" = 1'-0"



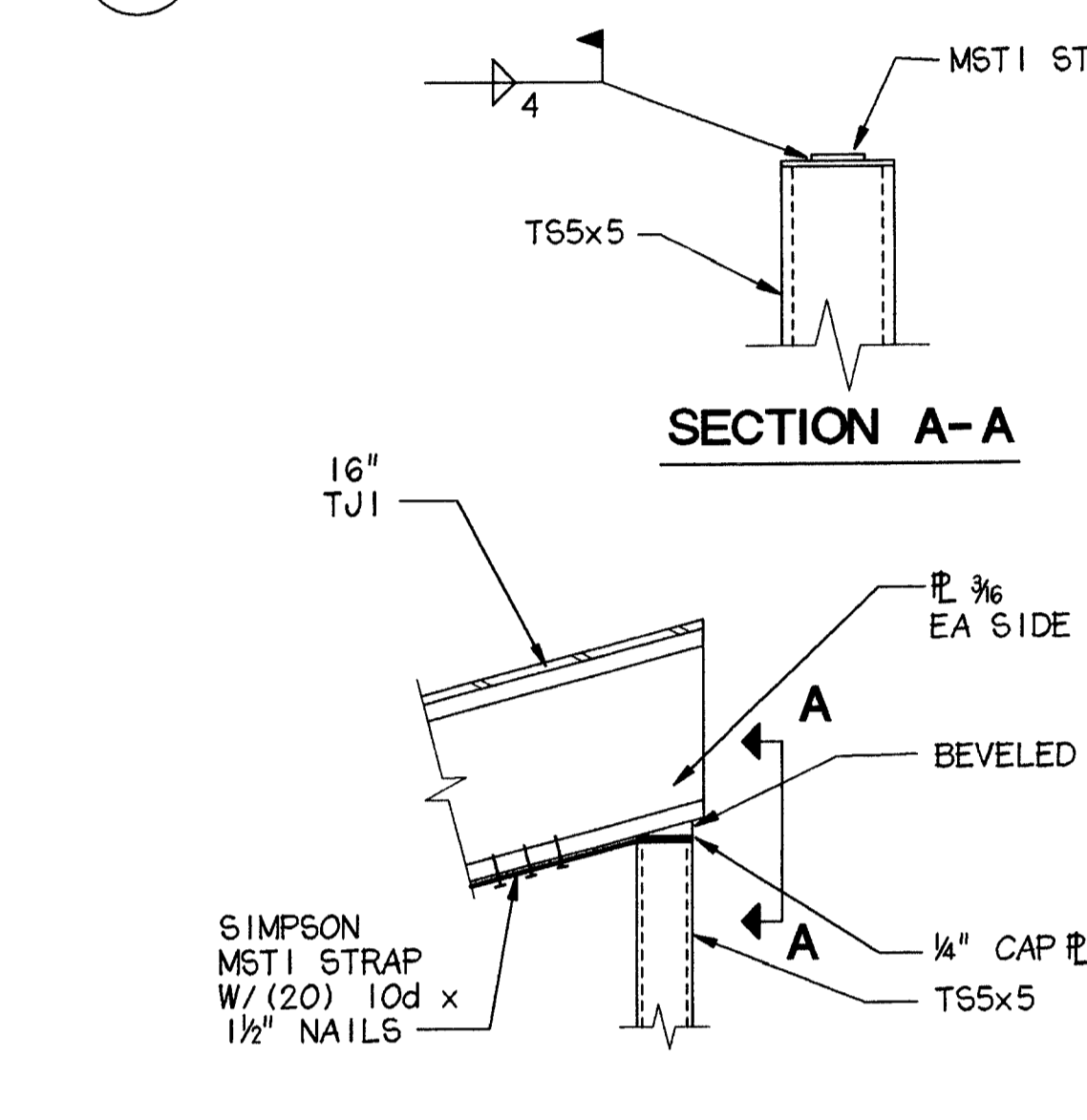
7 SECTION
 3/8" = 1'-0"



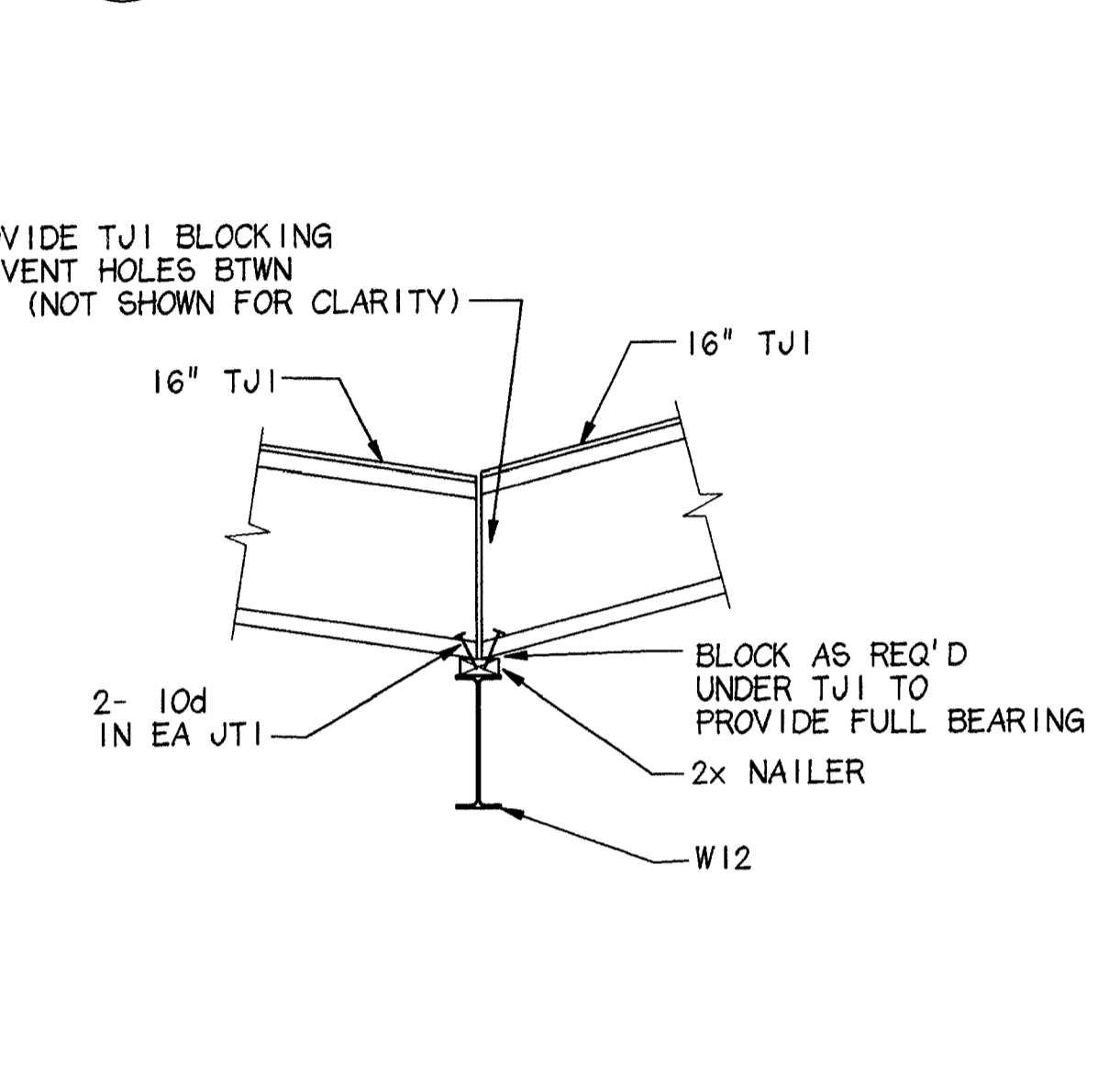
8 DETAIL
 3/8" = 1'-0"



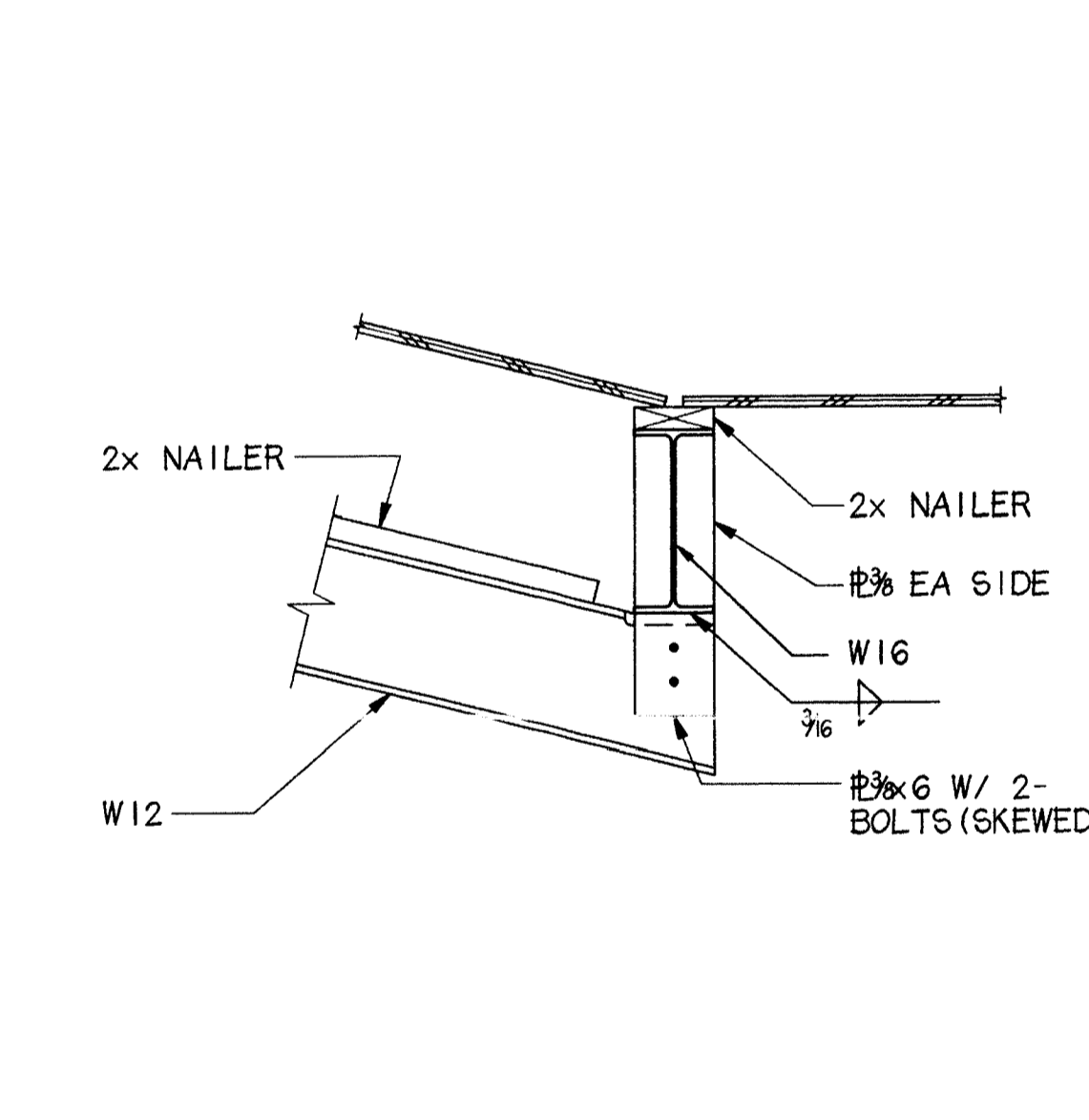
9 DETAIL
 3/8" = 1'-0"



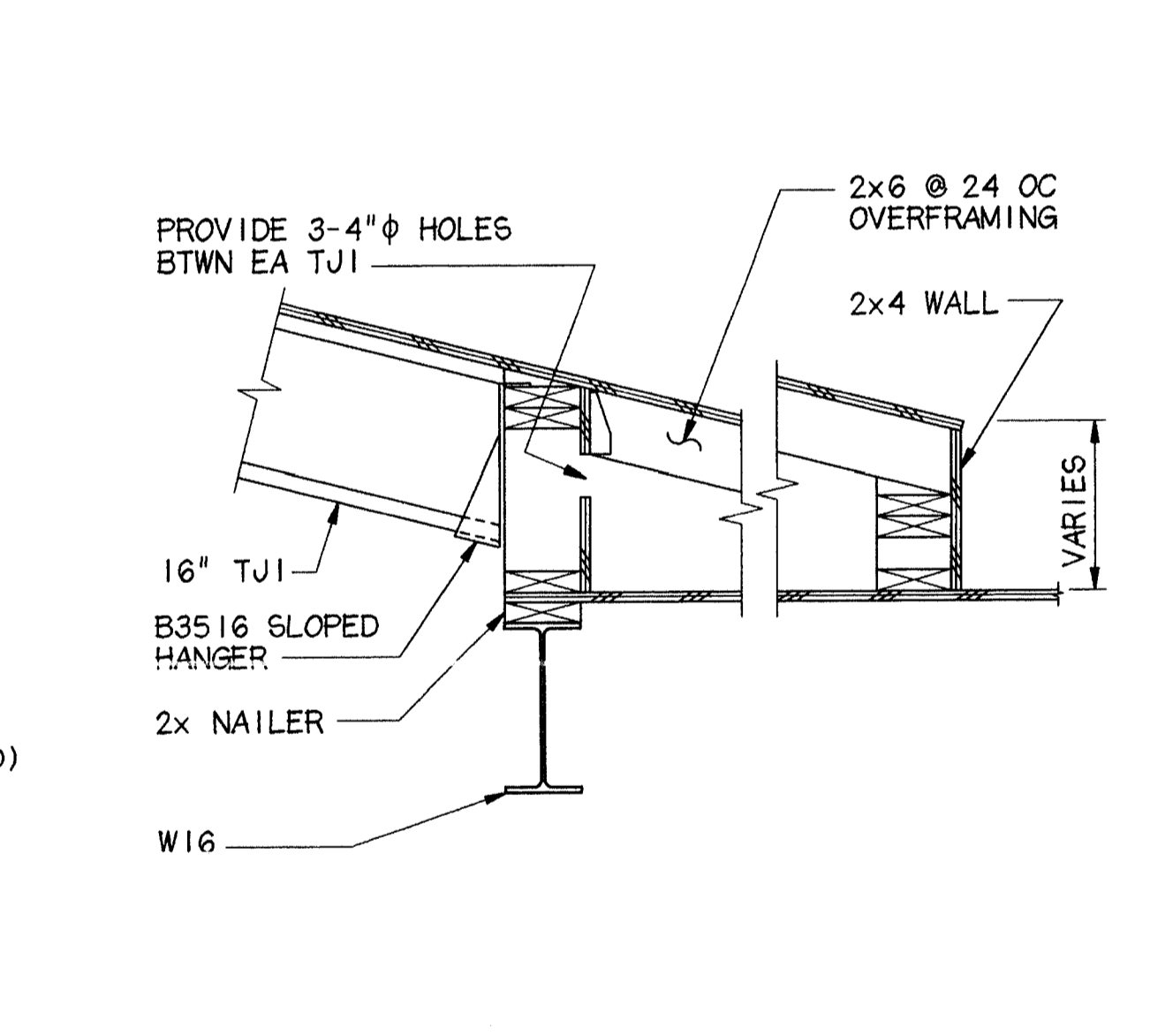
10 SECTION
 3/8" = 1'-0"



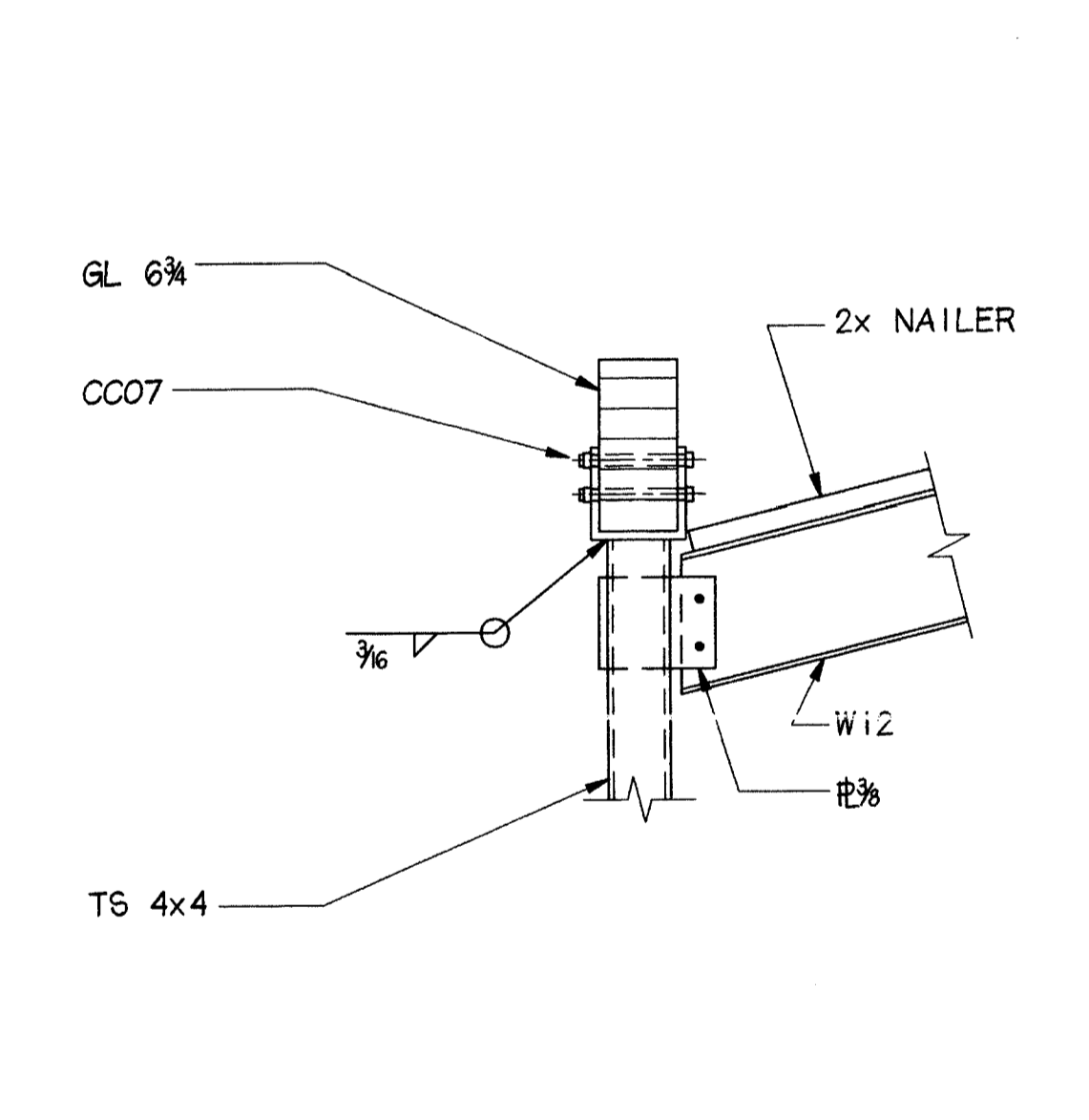
11 SECTION
 3/8" = 1'-0"



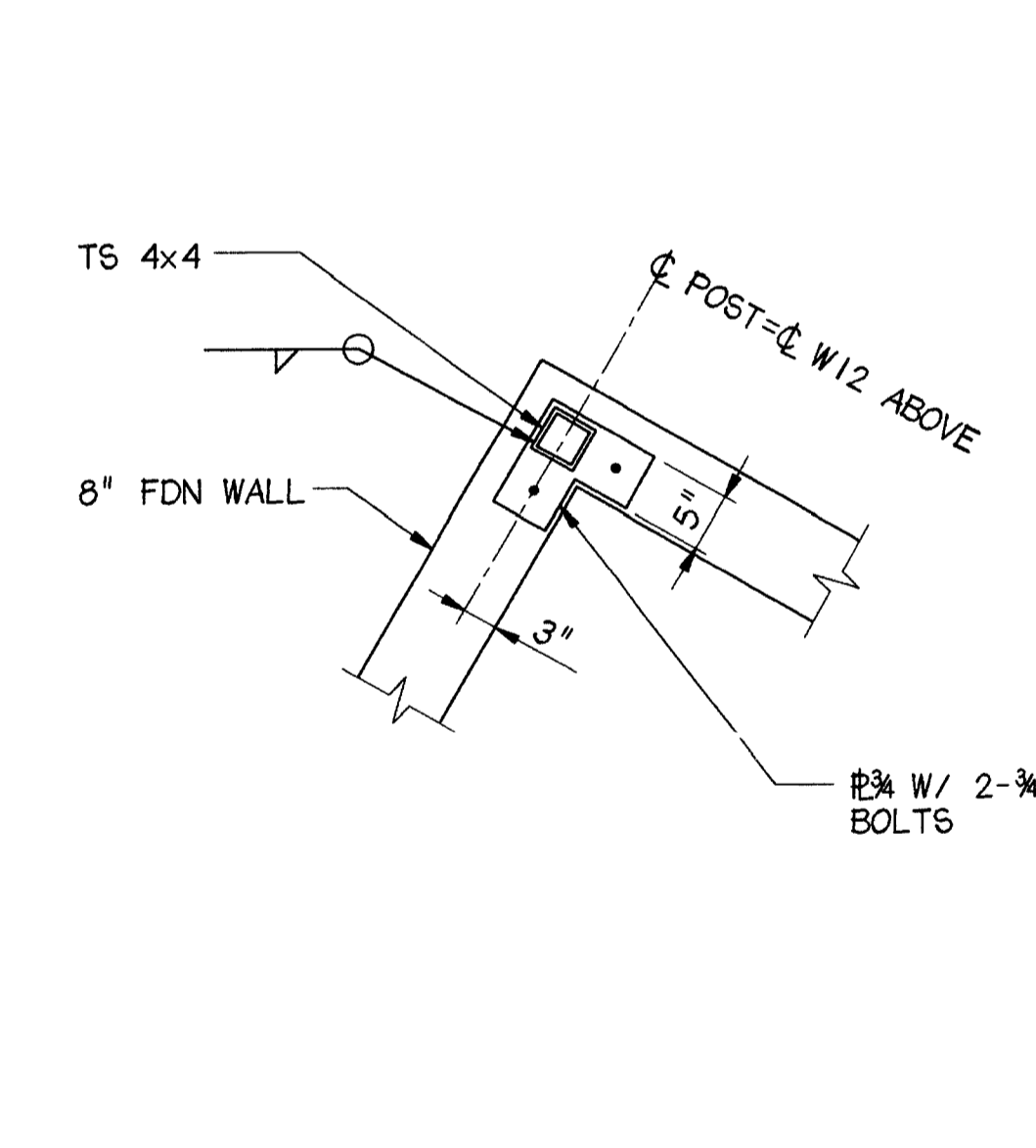
12 SECTION
 3/8" = 1'-0"



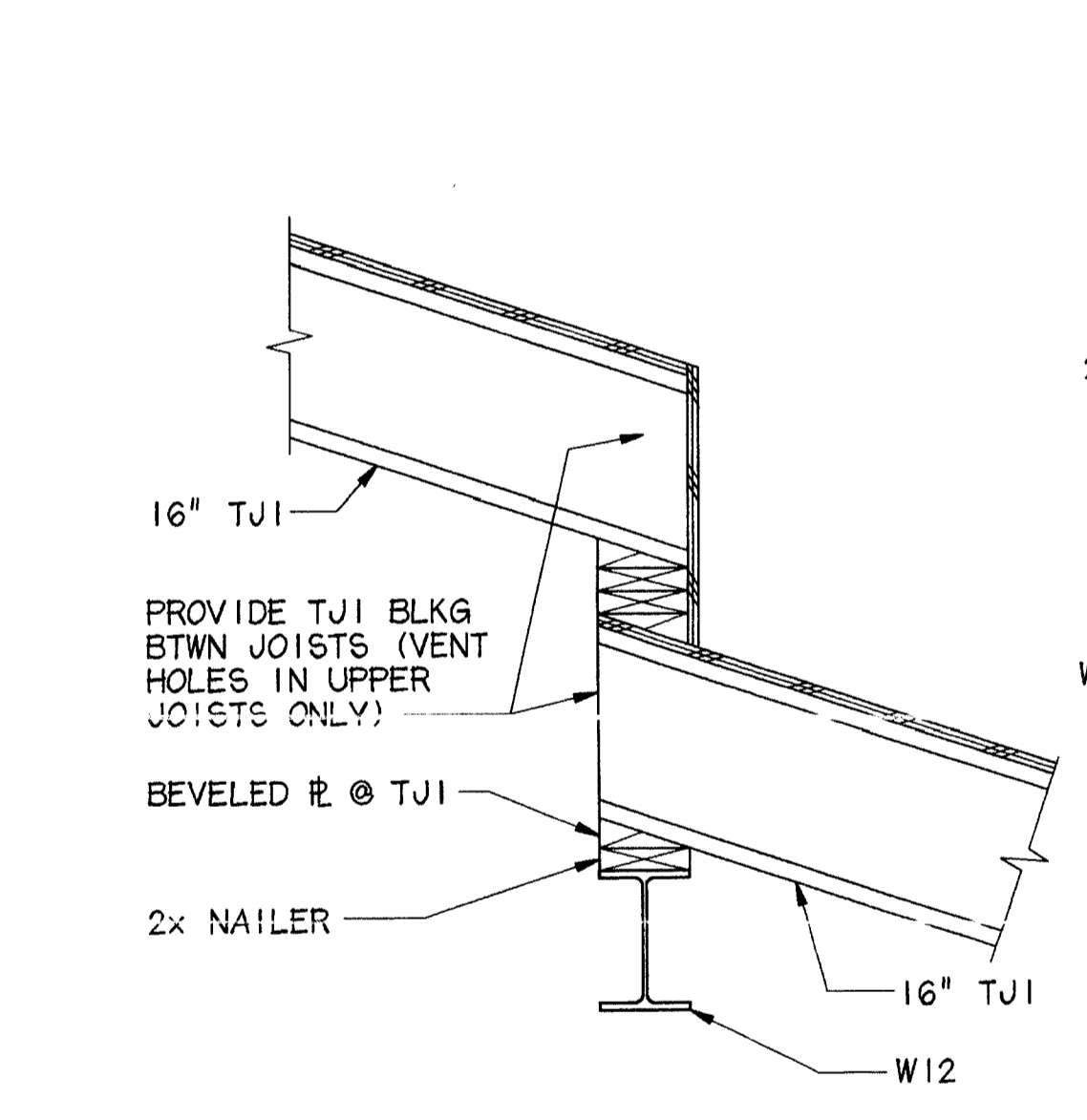
13 SECTION
 3/8" = 1'-0"



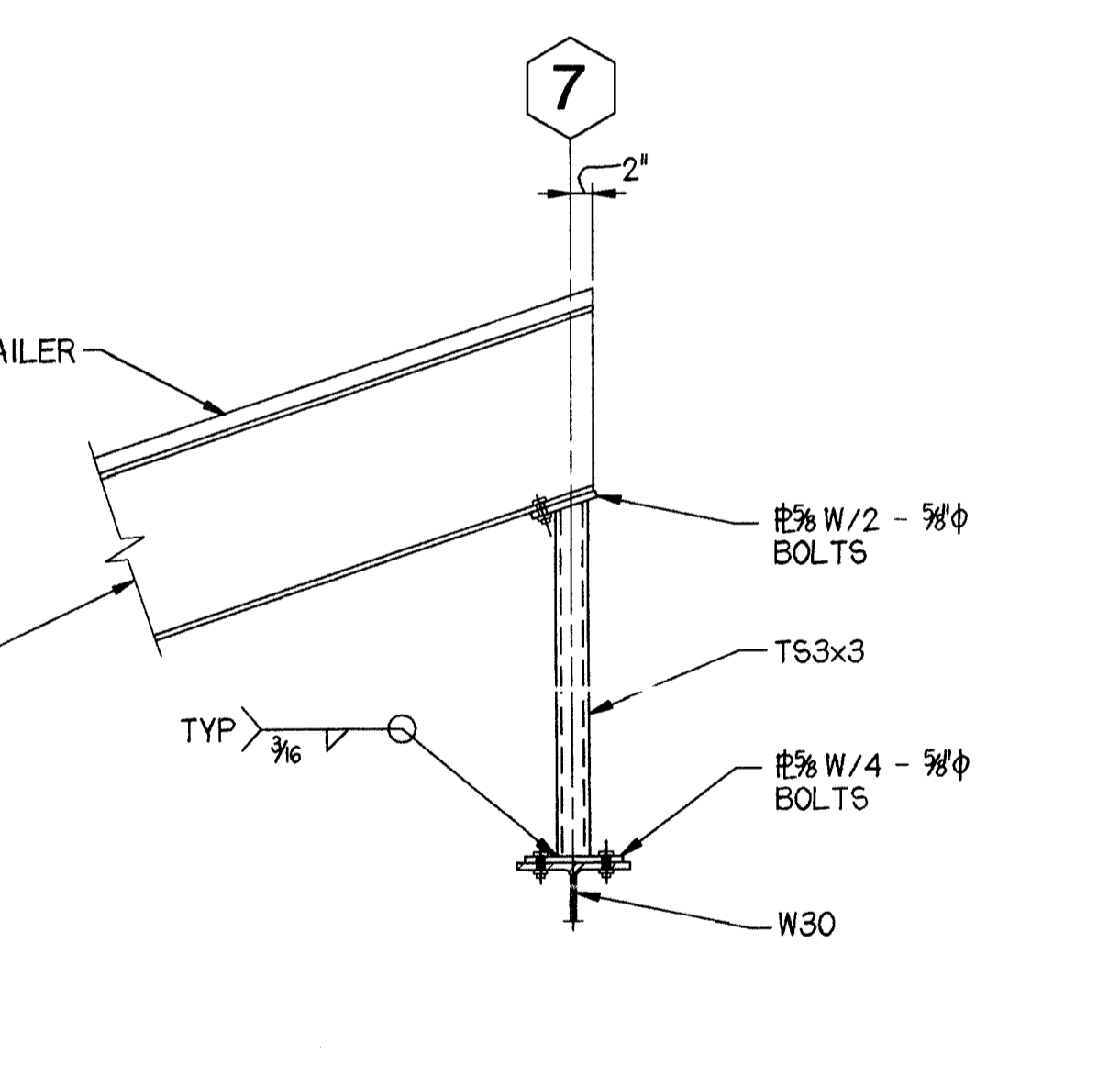
14 SECTION
 3/8" = 1'-0"



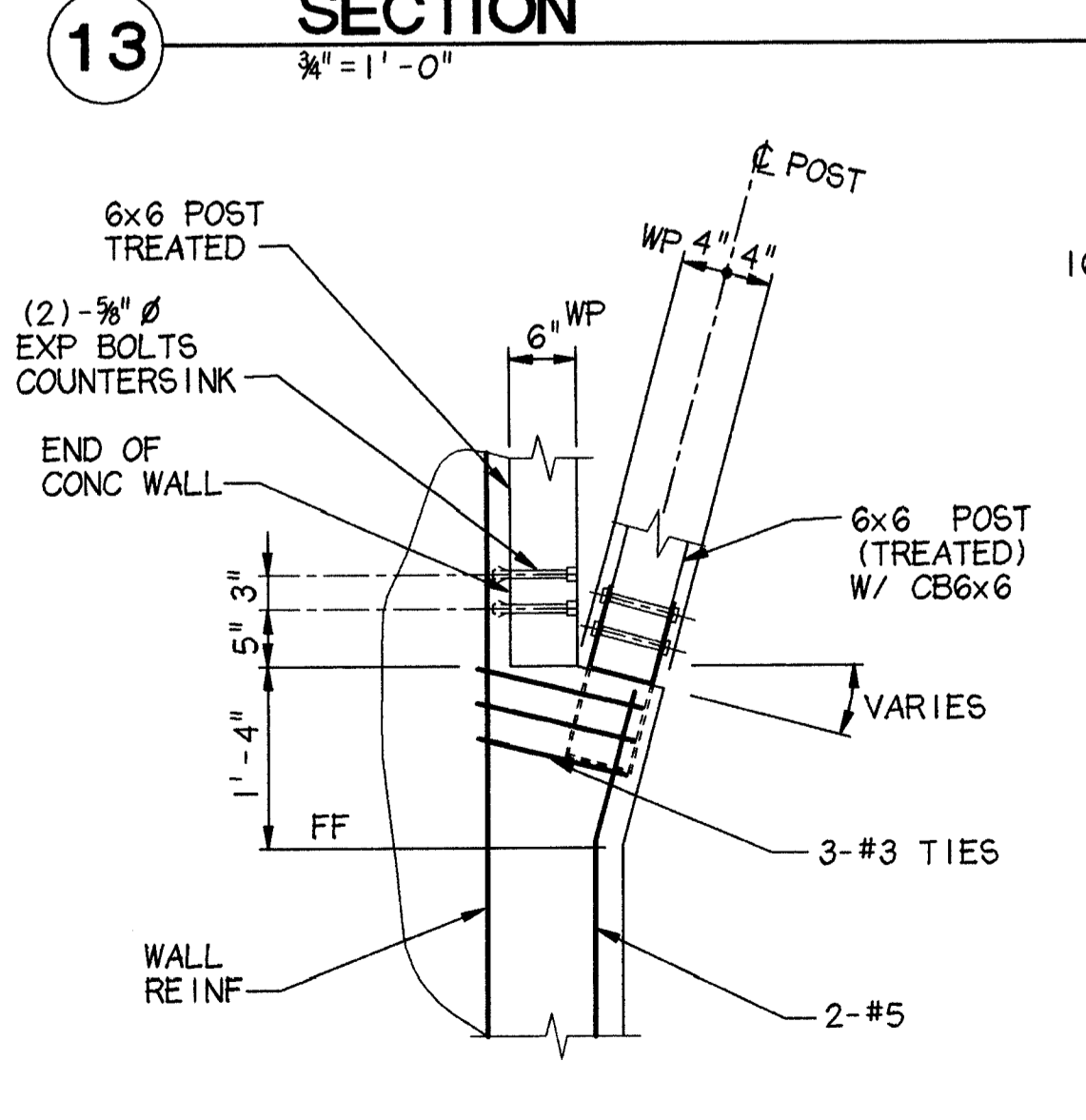
15 DETAIL
 3/8" = 1'-0"



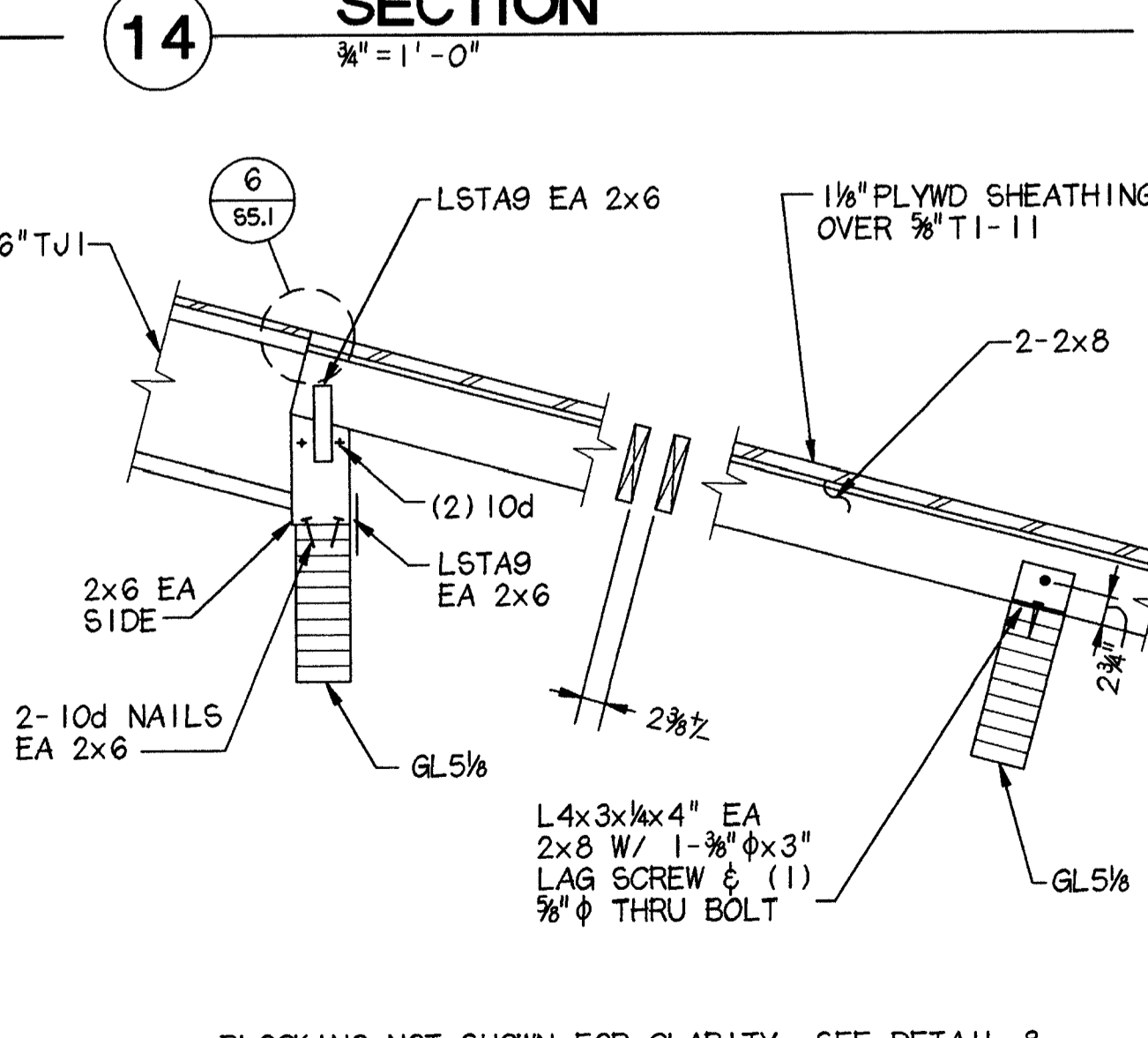
16 SECTION
 3/8" = 1'-0"



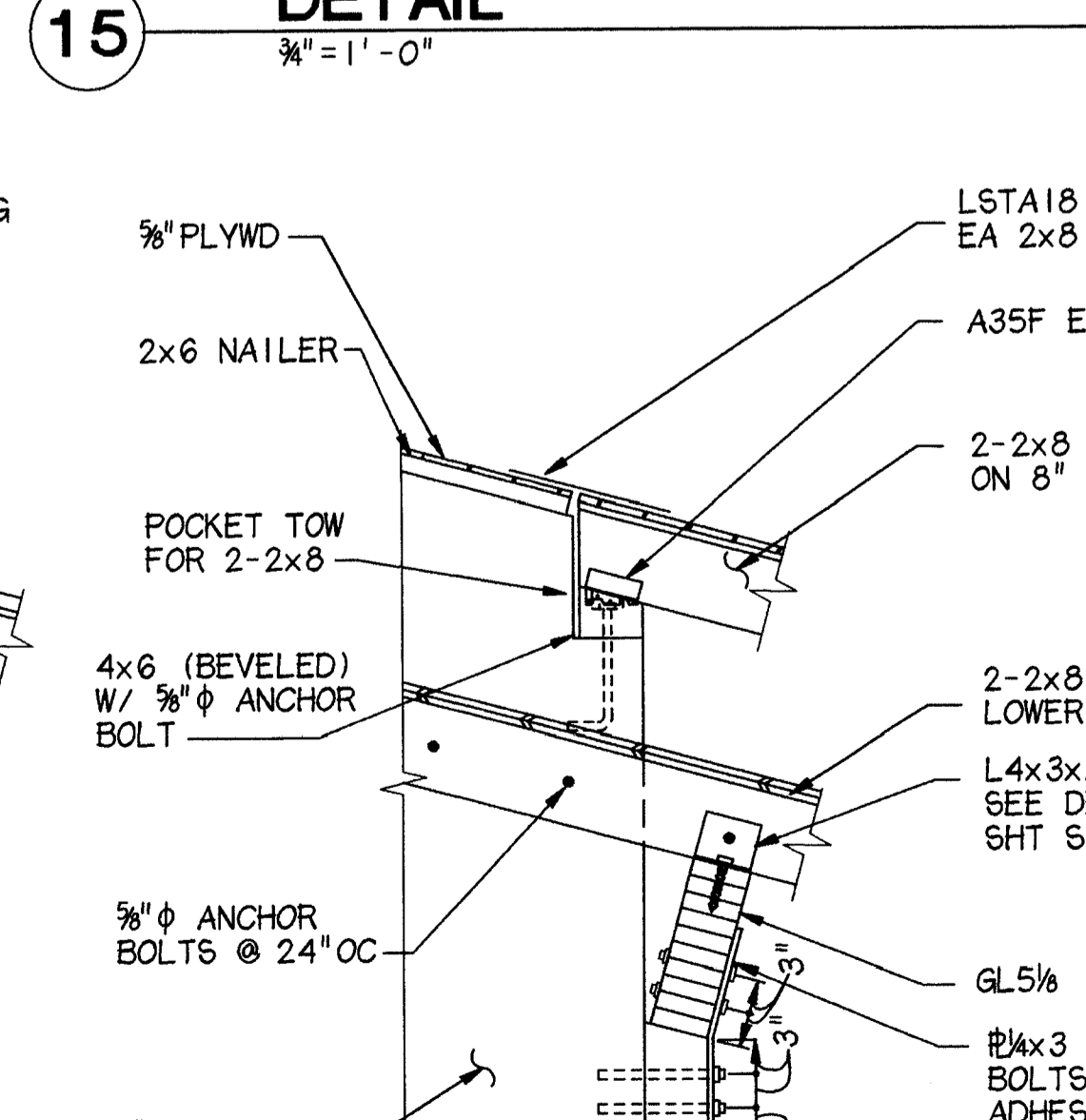
17 DETAIL
 3/8" = 1'-0"



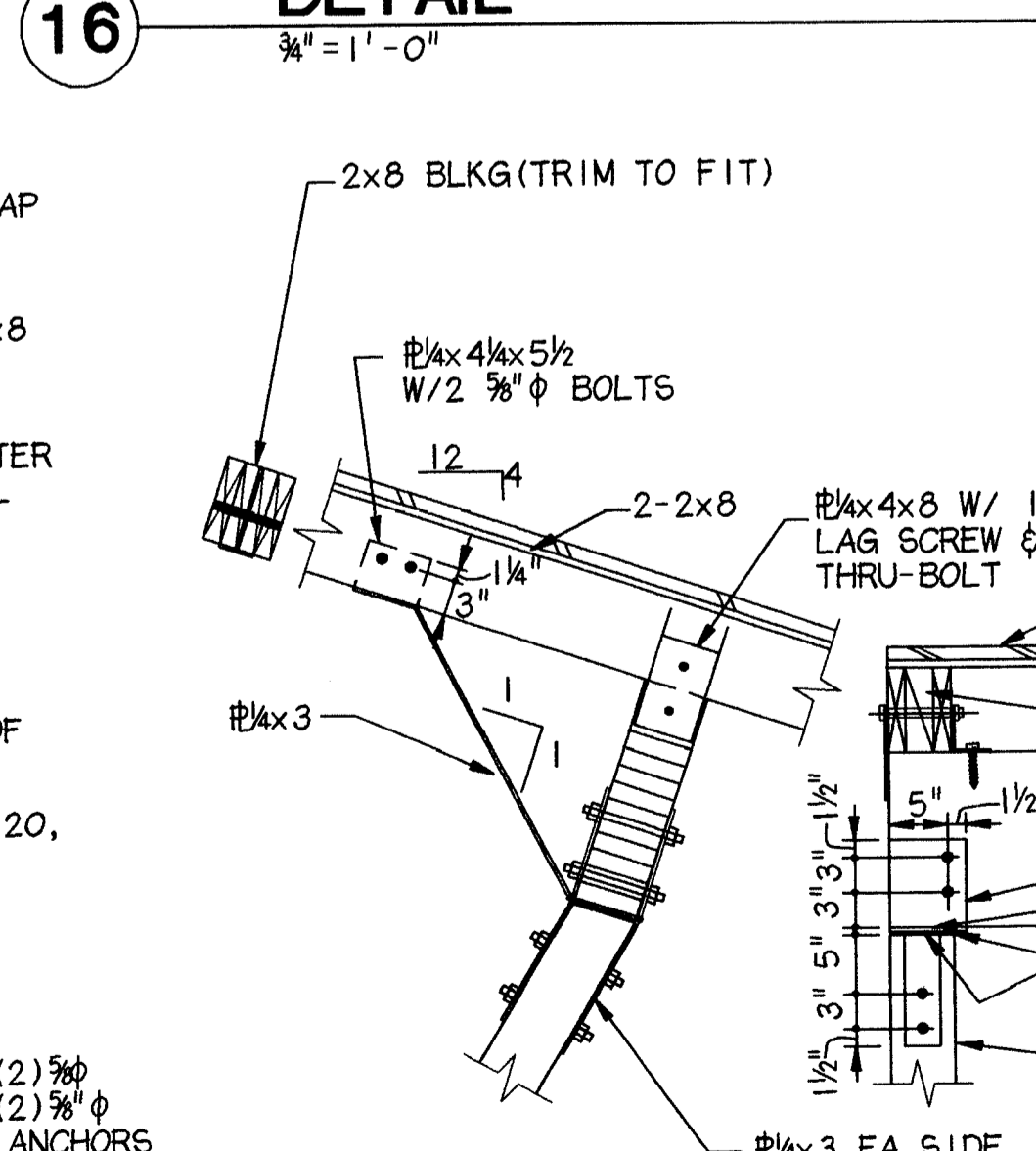
18 SECTION
 3/8" = 1'-0"



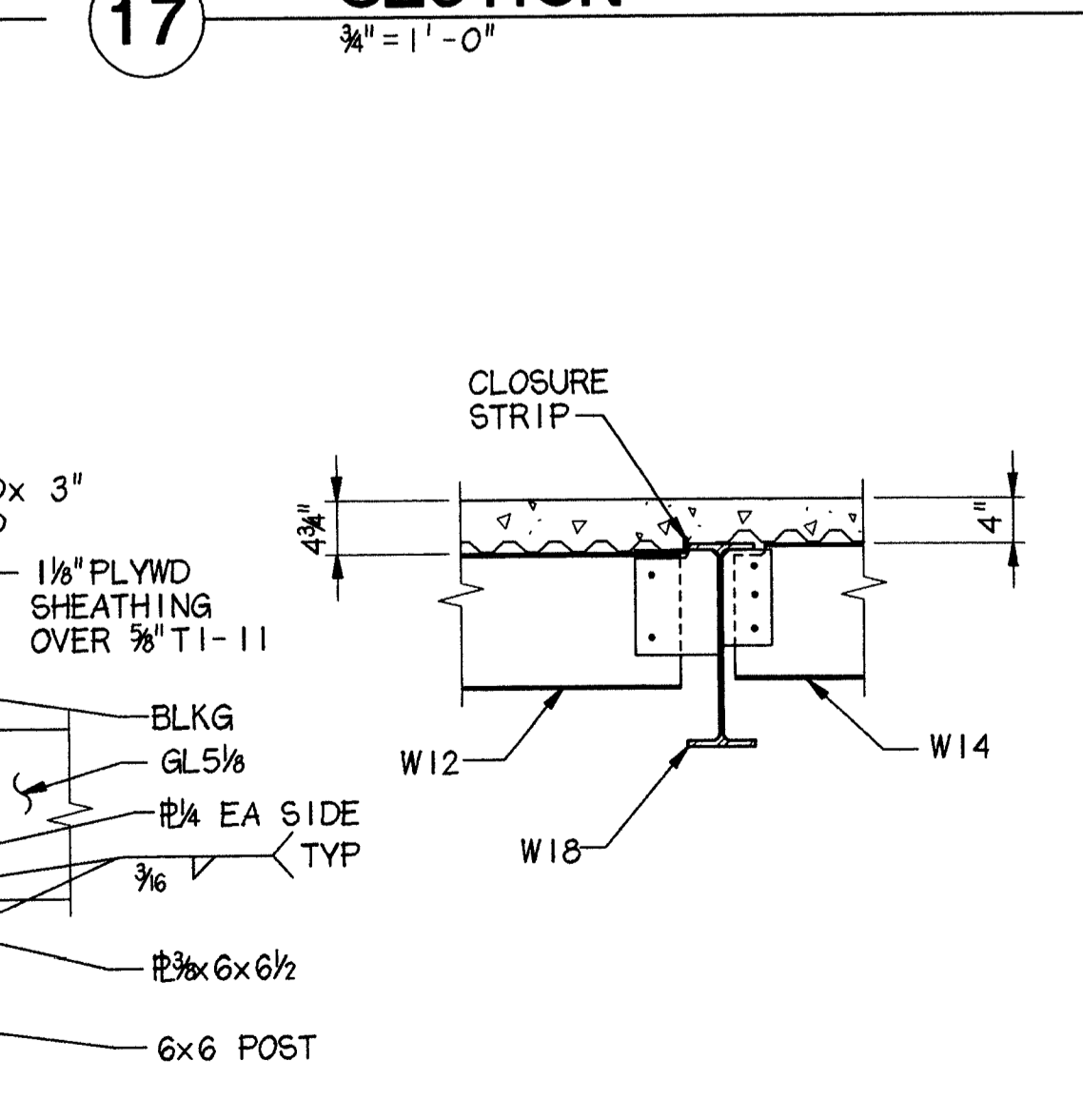
19 SECTION
 3/8" = 1'-0"



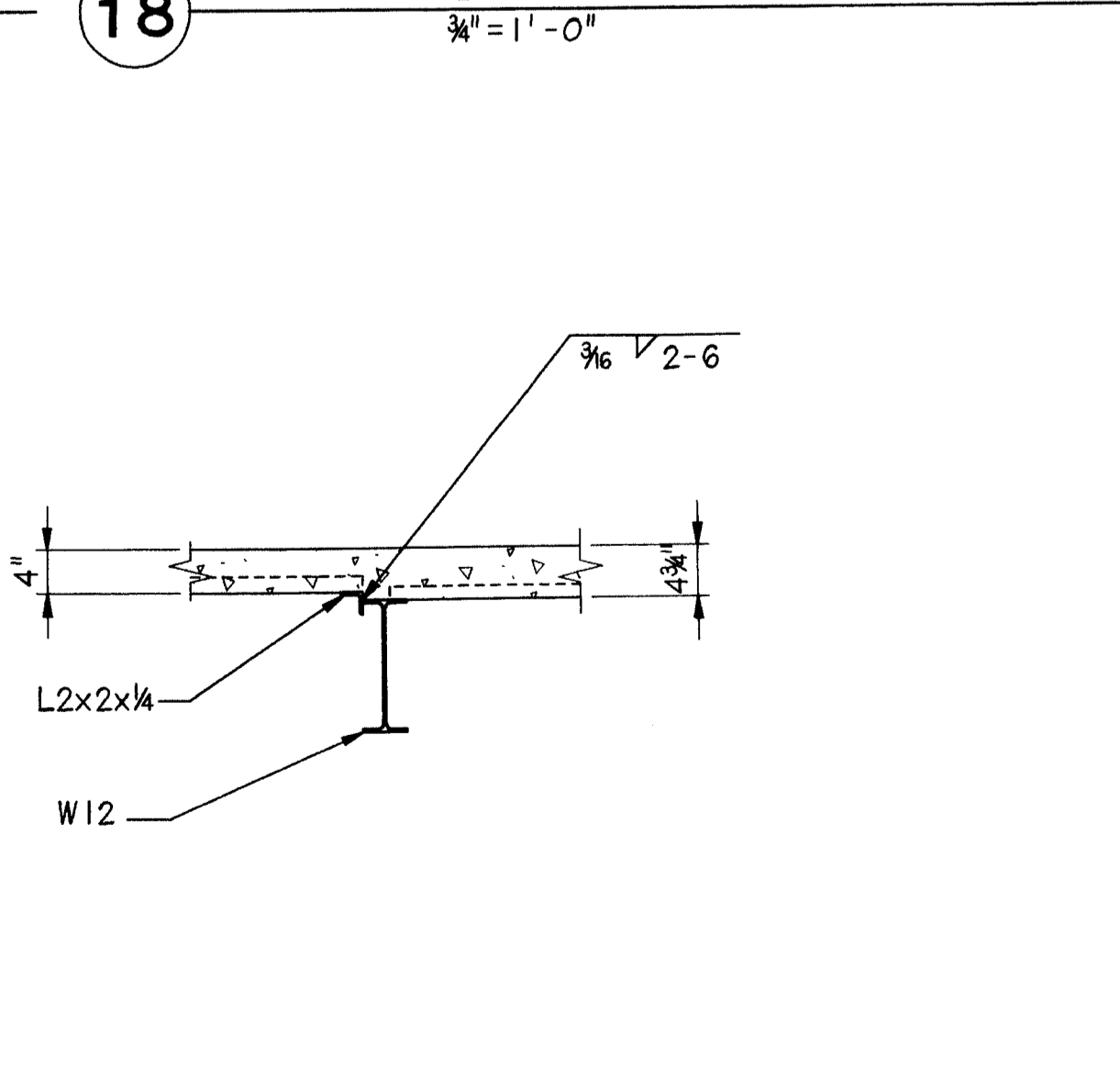
20 SECTION
 3/8" = 1'-0"



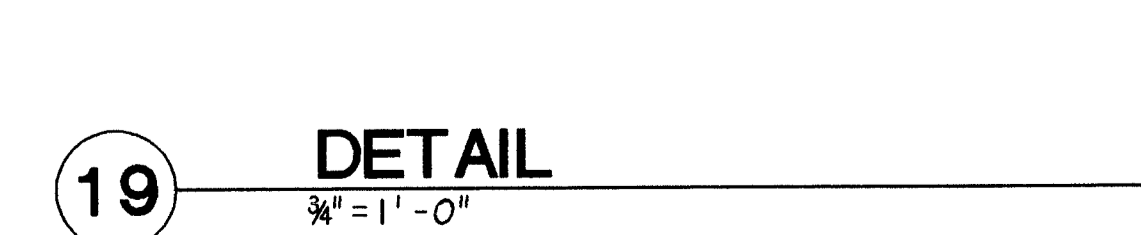
21 SECTION
 3/8" = 1'-0"



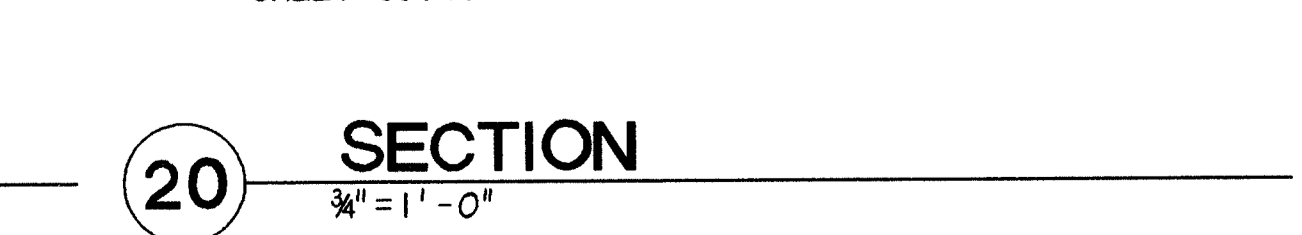
22 GRID 7 ELEVATION
 3/8" = 1'-0"



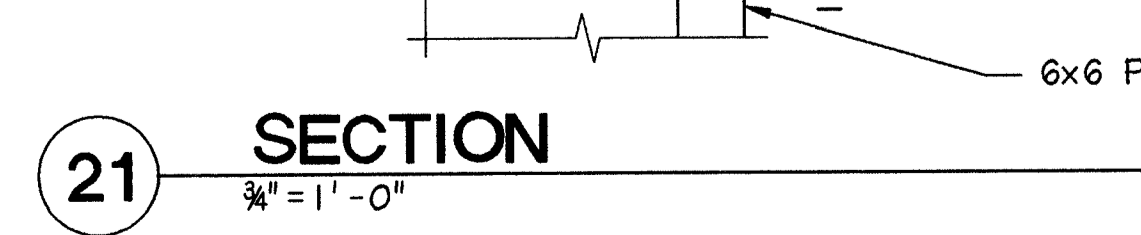
23 SECTION
 3/8" = 1'-0"



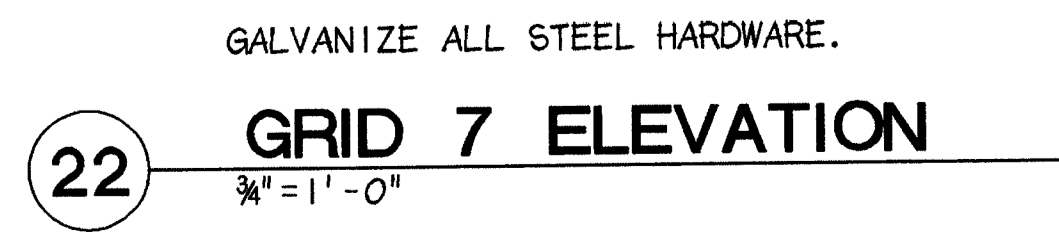
19 DETAIL
 3/8" = 1'-0"



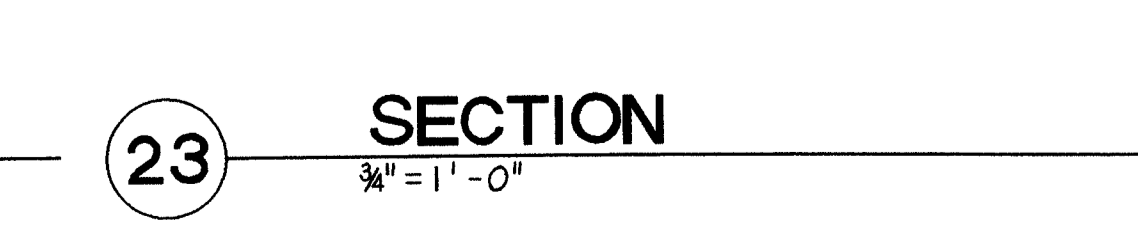
20 SECTION
 3/8" = 1'-0"



21 SECTION
 3/8" = 1'-0"



22 GRID 7 ELEVATION
 3/8" = 1'-0"



23 SECTION
 3/8" = 1'-0"



24 SECTION
 3/8" = 1'-0"

LAST PLOT DATE: 4/16/98
 4:00 PM / 15:00 / ANHCS-4DGN

| PLUMBING FIXTURE CONNECTION SCHEDULE | | | | | | | | | | | |
|--------------------------------------|-------------|------------|--------------------|--------|------|---------|-------------------------------|--|--|--|--|
| SYMBOL | FIXTURE | SOIL WASTE | VENT | H.W. | C.W. | REMARKS | | | | | |
| FD-1 | FLOOR DRAIN | — | 2' | 1 1/2" | — | — | NICKLE BRONZE VANDALPROOF TOP | | | | |
| FD-2 | FLOOR DRAIN | — | 2' | 1 1/2" | — | — | 8" ROUND CAST IRON TOP | | | | |
| FD-3 | FLOOR DRAIN | — | 2' | 1 1/2" | — | — | 8" ROUND W/FUNNEL TOP | | | | |
| RD-1 | ROOF DRAIN | — | SEE PLANS FOR SIZE | | | — | | | | | |
| RD-2 | ROOF DRAIN | — | SEE PLANS FOR SIZE | | | — | OVERFLOW | | | | |
| RD-3 | ROOF DRAIN | — | SEE PLANS FOR SIZE | | | — | DOWN SPOUT NOZZLE | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| HEATING COIL SCHEDULE | | | | | | | | | | | | | |
|-----------------------|----------|-------|-------|---------|------|-------------|--------------|------------|---------------|----------------|-----------------|------------|--|
| SYMBOL | LOCATION | MBH | CFM | VEL FPM | GPM | AIR TEMP IN | AIR TEMP OUT | GLYCOL (%) | FLUID TEMP IN | FLUID TEMP OUT | PRESS.DROP* AIR | VALVE TYPE | RELATED SYSTEM |
| HC-1 | MECH OOI | 488.2 | 14520 | 482 | 36 | 29 | 60 | P50 | 190 | 160 | .07 | 149 | 3-WAY AHU-1 |
| HC-2 | MECH OOI | 579 | 16500 | 475 | 42.2 | 36 | 68 | P50 | 190 | 160 | .11 | 213 | 3-WAY AHU-2 |
| HC-3 | MECH OOI | 33.9 | 115 | 600 | 28 | 72 | 100 | P50 | 190 | 160 | .28 | 3.8 | 2-WAY AHU-3 |
| HC-4 | MECH OOI | 33.9 | 115 | 600 | 28 | 72 | 100 | P50 | 190 | 160 | .28 | 3.8 | 2-WAY AHU-3 |
| HRC-1 | MECH OOI | 403 | 14475 | 543 | 65 | 70 | 49.7 | P50 | 301 | 45.2 | .43 | 7 | NONE R/F 4 ROW, IO FPL 48" X 80" W AHU-E AHU-2 2 ROW, IO FPL 48" X 80" W |
| HRC-2 | MECH OOI | 403 | 14475 | 543 | 65 | -25 | 0.8 | P50 | 45.2 | 301 | .18 | 4 | 3-WAY |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

* MAXIMUM ALLOWED.

| COOLING COIL SCHEDULE | | | | | | | | | | | | | |
|-----------------------|----------|-----|--------|---------|------|--------|----------|-----------|----------------|-----------|-----------------|------------|----------------|
| SYM | LOCATION | MBH | CFM | VEL FPM | GPM | AIR IN | TEMP. IN | FACE AREA | GLYCOL TEMP IN | TEMP. OUT | PRESS.DROP* AIR | VALVE TYPE | RELATED SYSTEM |
| CC-1 | MECH RM | 281 | 14,520 | 482 | 64 | 73 | 55 | 30.0 | 45 | 55 | .34 | 5J | 3-WAY AHU-1 |
| CC-2 | MECH RM | 323 | 16,500 | 475 | 72.8 | 73 | 55 | 34.7 | 45 | 55 | .32 | 7.2B | 3-WAY AHU-2 |
| | | | | | | | | | | | | | |

NOTE: GPM BASED ON 35% PROPYLENE GLYCOL * MAXIMUM ALLOWED.

| FAN SCHEDULE | | | | | | | | | | | |
|--------------|-------------|--------|------|----------|------|-----------|-----|-----|------|---------------------|----------------------|
| SYMBOL | LOCATION | CFM | RPM | O.V. FPM | S.P. | TYPE SIZE | WHL | USE | DISC | MOTOR HP / VOLTS/PH | DESIGN BASIS PRODUCT |
| AHU-1 | MECH RM OOI | 14520 | 170 | N/A | 5.25 | 35 | AF | S/A | PLUG | *25/460/3 | TRANE MCC SIZE 25PW |
| AHU-2 | | 16500 | 106 | N/A | 5.0 | 39 | AF | S/A | PLUG | *30/460/3 | TRANE MCC SIZE 40PW |
| AHU-3 | | 2230 | 1540 | N/A | 15 | 9.5 | FC | S/A | TFD | 15/460/3 | TRANE MCC SIZE 3A |
| RF-1 | | 28,000 | 853 | 2361 | 1.75 | 43 | AF | R/A | PLUG | *20/460/3 | TRANE MCC SIZE 50P |
| VF-1 | | 1600 | 555 | 1090 | 3/8" | 12 | FC | S/A | B-H | 1/3 /101 | PENN ZC-12 |
| VF-2 | ELEC. ROOM | 1600 | 555 | 1090 | 3/8" | 12 | FC | S/A | B-H | 1/3 /101 | PENN ZC-12 |
| | | | | | | | | | | | |

* - VARIABLE FREQUENCY DRIVES

| PUMP SCHEDULE | | | | | | | | | | | |
|---------------|-------------|-----------------------------|------------------|-------|------|----------|---------------|---------------------|--|--|--|
| SYMBOL | LOCATION | SERVICE | FLUID TYPE | TEMP. | GPM | HEAD FT. | RPM | MOTOR HP / VOLTS/PH | DESIGN BASIS PRODUCT | | |
| PMP-1 | BOILER RM | COOLING | P35 | 45 | 137 | 53' | 1750 | 5 / 460 / 3 | B & G NO. 150, SIZE 2B.C. 7 5/8" IMP. | | |
| PMP-1A | BOILER RM | STAND BY | P35 | 45 | 137 | 53' | 1750 | 5 / 460 / 3 | B & G NO. 150, SIZE 2B.C. 7 5/8" IMP. | | |
| PMP-2 | BOILER RM | HEATING | P50 | 190 | 85.8 | 44.5' | 1750 | 2 / 460 / 3 | B & G NO. 80, SIZE 2 1/2X 2 1/2X 7.6 3/4" IMP. | | |
| PMP-2A | BOILER RM | STAND BY | P50 | 190 | 85.8 | 44.5' | 1750 | 2 / 460 / 3 | B & G NO. 80, SIZE 2 1/2X 2 1/2X 7.6 3/4" IMP. | | |
| PMP-3 | BOILER RM | AHU COILS | P50 | 190 | 74 | 22.3' | 1750 | 1 / 460 / 3 | B & G NO. 60, SIZE 2AA. 5 1/4" IMP. | | |
| PMP-3A | BOILER RM | STAND BY | P50 | 190 | 74 | 22.3' | 1750 | 1 / 460 / 3 | B & G NO. 60, SIZE 5 1/4" IMP. | | |
| PMP-4 | BOILER RM | SNOW MELT | P50 | 190 | 51 | 38.9' | — | 3/4 / 208 / 1 | GRUNDFOS LPS 32-KO, SPEED 1 | | |
| PMP-5 | BOILER RM | LOBBY FLOOR GATH. PL. FLOOR | P50 | 190 | 4.0 | 25.5' | — | 3/4 / 208 / 1 | GRUNDFOS LPS 40-80/2, SPEED 2 | | |
| PMP-6 | BOILER RM | BOILER NO. 1 | P50 | 190 | 100 | 10' | 1750 | 3/4 / 208 / 1 | B & G NO. 60, SIZE 2A. 5" IMP. | | |
| PMP-7 | BOILER RM | BOILER NO. 2 | P50 | 190 | 100 | 10' | 1750 | 3/4 / 208 / 1 | B & G NO. 60, SIZE 2A. 5" IMP. | | |
| PMP-8 | BOILER RM | NO. 2 DIESEL | 30 | 2 | — | — | 1/3 / 110 / 1 | — | SUPPLIED WITH DAY TANK | | |
| PMP-9 | DAY TANK | TRANSFER NO. 2 DIESEL | 30 | 2 | — | — | 1/3 / 110 / 1 | — | SUPPLIED WITH DAY TANK | | |
| PMP-9A | DAY TANK | FIRE PUMP | H ₂ O | 40 | 250 | 92.5' | 3560 | 5 / 460 / 3 | ALURORA NO. 3-483-10 | | |
| PMP-10 | FAN ROOM | JOCKEY PUMP | H ₂ O | 40 | 25 | 104' | 3500 | 1/2 / 110 / 1 | ALURORA NO. 933 | | |
| PMP-11 | BOILER ROOM | HOT WATER CIRC. | H ₂ O | 10 | 25 | 18' | — | 1/2 / 110 / 1 | GRUNDFOS 28-64SU | | |
| PMP-12 | FAN ROOM | PRESS. BOOST | H ₂ O | 40 | 40 | 50' | 3500 | 1 / 460 / 3 | PACO 1250-5, 4" IMP. * | | |
| PMP-13 | FAN ROOM | PRESS. BOOST | H ₂ O | 40 | 90 | 50' | 3500 | 2 / 460 / 3 | PACO 1550-1, 4.4" IMP. * | | |
| PMP-14 | FAN ROOM | SUMP PUMP | H ₂ O | 40 | 10 | 25' | — | 1/2 / 110 / 1 | LITTLE GIANT IOE-CIA-RFS | | |
| PMP-15 | FAN ROOM | HEAT RECOV. | P50 | 45 | 65 | 20' | — | 3/4 / 208 / 1 | GRUNDFOS LPS 40-160, SPEED 2 | | |
| | | | | | | | | | | | |

* FURNISHED WITH WATER PRESSURE BOOST PACKAGE, SEE SPECIFICATIONS.

| AIR OUTLET SCHEDULE | | | | | |
|---------------------|------------|------|-------------|-----|---|
| SYMBOL | UNIT SIZE | SCFM | FINISH | USE | DESIGN BASIS PRODUCT |
| (A) | 1.5" X 36" | 124 | BRUSH ALUM. | S/A | TITUS CT-PP-O WITH HEAVY FRAME FOR FLOOR MOUNTING |
| (B) | 4" X 36" | 372 | BRUSH ALUM. | S/A | TITUS CT-PP-O WITH HEAVY FRAME FOR FLOOR MOUNTING |
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| LEGEND | | |
|--------|-------------------------------------|--------|
| ABBR. | EXPLANATION | SYMBOL |
| NIC | NOT IN CONTRACT | |
| IGC | IN GENERAL CONSTRUCTION | |
| MOV | 2-WAY MOTOR OPERATED VALVE | |
| MOV | 3-WAY MOTOR OPERATED VALVE | |
| PRV | PRESSURE RELIEF VALVE | |
| RV | RELIEF VALVE | |
| CV | CHECK VALVE | |
| | BALL VALVE | |
| | GLOBE VALVE | |
| | BALANCING/ISOLATION VALVE | |
| | SQUARE HEAD COCK | |
| | UNION | |
| | PIPE ANCHOR | |
| | PIPE GUIDE | |
| | EXPANSION COMPENSATOR | |
| | FLOW CONTROL VALVE | |
| | STRAINER WITH DRAIN VALVE | |
| | PRESSURE GAGE | |
| | THERMOMETER | |
| S/W | SANITARY SOIL/WASTE | |
| PS | PUMPED SANITARY SOIL/WASTE | |
| V | VENT | |
| VTR | VENT THRU ROOF | |
| CO | CLEANOUT | |
| WCO | WALL CLEANOUT | |
| FCO | FLOOR CLEANOUT | |
| CW | COLD WATER | |
| HW | HOT WATER | |
| HWC | HOT WATER CIRCULATION | |
| T | TEMPERED WATER | |
| RL | RAIN LEADER | |
| RD | ROOF DRAIN | |
| SD | STORM DRAIN | |
| FD | FLOOR DRAIN | |
| HB | HOSE BIBB | |
| WH | WALL HYDRANT | |
| A | COMPRESSED AIR | |
| SP | SPRINKLER | |
| FDC | FIRE DEPARTMENT CONNECTION | |
| F | FIRE | |
| CWS | CHILLED WATER SUPPLY | |
| CWR | CHILLED WATER RETURN | |
| GS | GLYCOL SUPPLY | |
| GR | GLYCOL RETURN | |
| HWS | HEATING WATER SUPPLY | |
| HWR | HEATING WATER RETURN | |
| FOS | FUEL OIL SUPPLY | |
| FOR | FUEL OIL RETURN | |
| G | GAS | |
| T*STAT | THERMOSTAT | |
| T*STAT | RETURN AIR THERMOSTAT | |
| AAV | AUTOMATIC AIR VENT | |
| S/A | SUPPLY AIR | |
| R/A | RETURN AIR | |
| O/A | OUTSIDE AIR | |
| E/A | EXHAUST AIR | |
| BD | BALANCING DAMPER | |
| FD | FIRE DAMPER | |
| MOD | MOTOR OPERATED DAMPER | |
| | FLEXIBLE CONNECTION | |
| | AIR EXTRACTOR | |
| | AIR FOIL TURNING VANES | |
| | FLEXIBLE DUCT | |
| | SUPPLY AIR SLOT W/FLEX DUCT | |
| | RETURN AIR SLOT | |
| | DUCT IDENTIFICATION SYMBOL | |
| | SUPPLY AIR REG. GRILLE, OR DIFFUSER | |
| | RETURN/EXHAUST AIR REG. OR GRILLE | |
| SL | ACOUSTICALLY LINED DUCT | |
| | THERMALLY INSULATED DUCT OR PIPE | |
| HC | HEATING COIL | |
| CC | COOLING COIL | |
| DD | DUCT DETECTOR | |
| | AIR FLOW MEASURING DEVICE | |
| | STATIC PRESSURE SENSOR | |

THIS IS A STANDARD LEGEND, SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.

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ALASKA NATIVE HERITAGE CENTER

ANCHORAGE, ALASKA

LEGEND AND SCHEDULES

Revisions

CONFORMED DRAWINGS

Date 04/17/98
Drawn JM/VER
Checked BSS/ATR
Job No. 95023

Sheet No.

M-1

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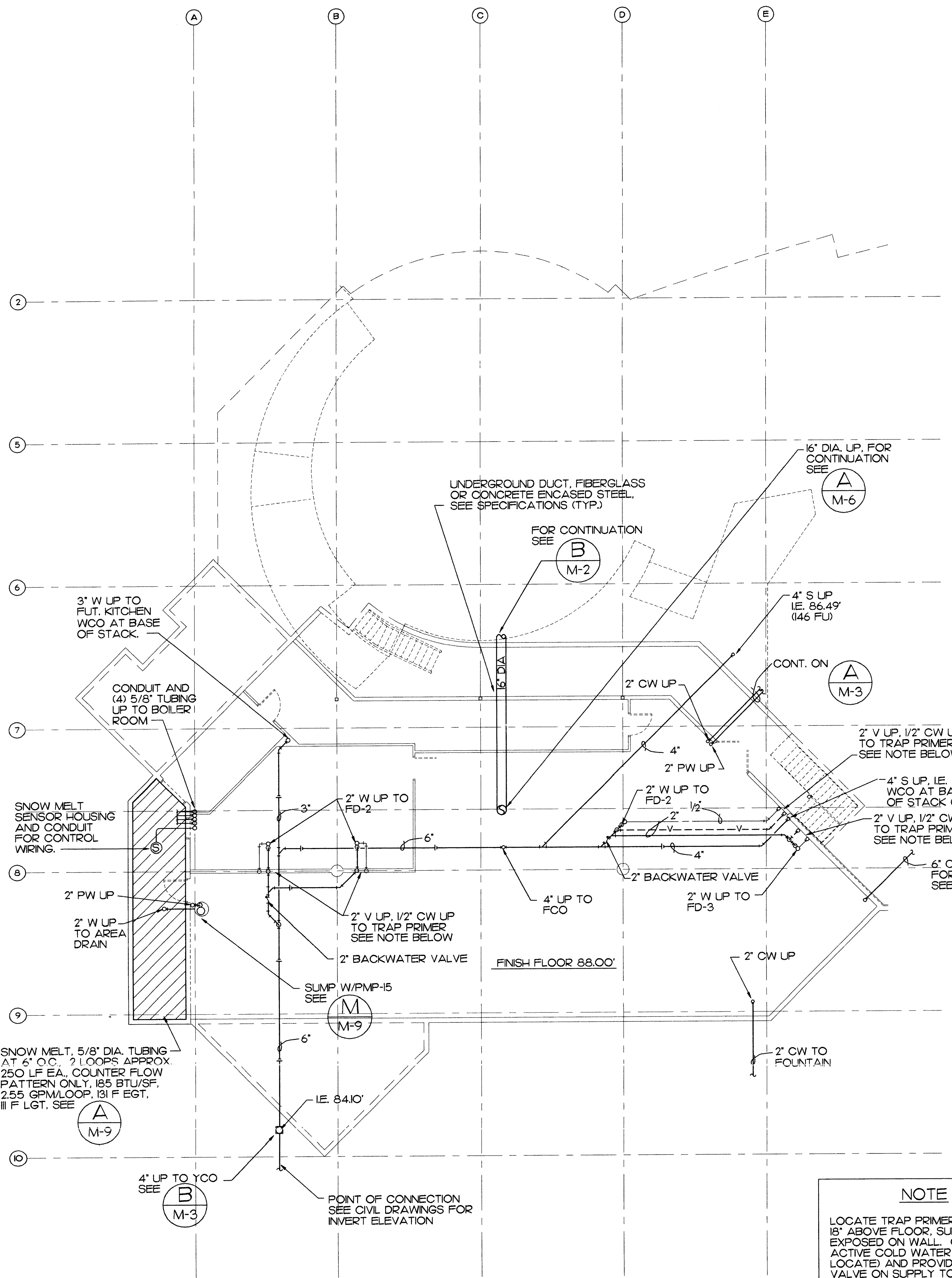


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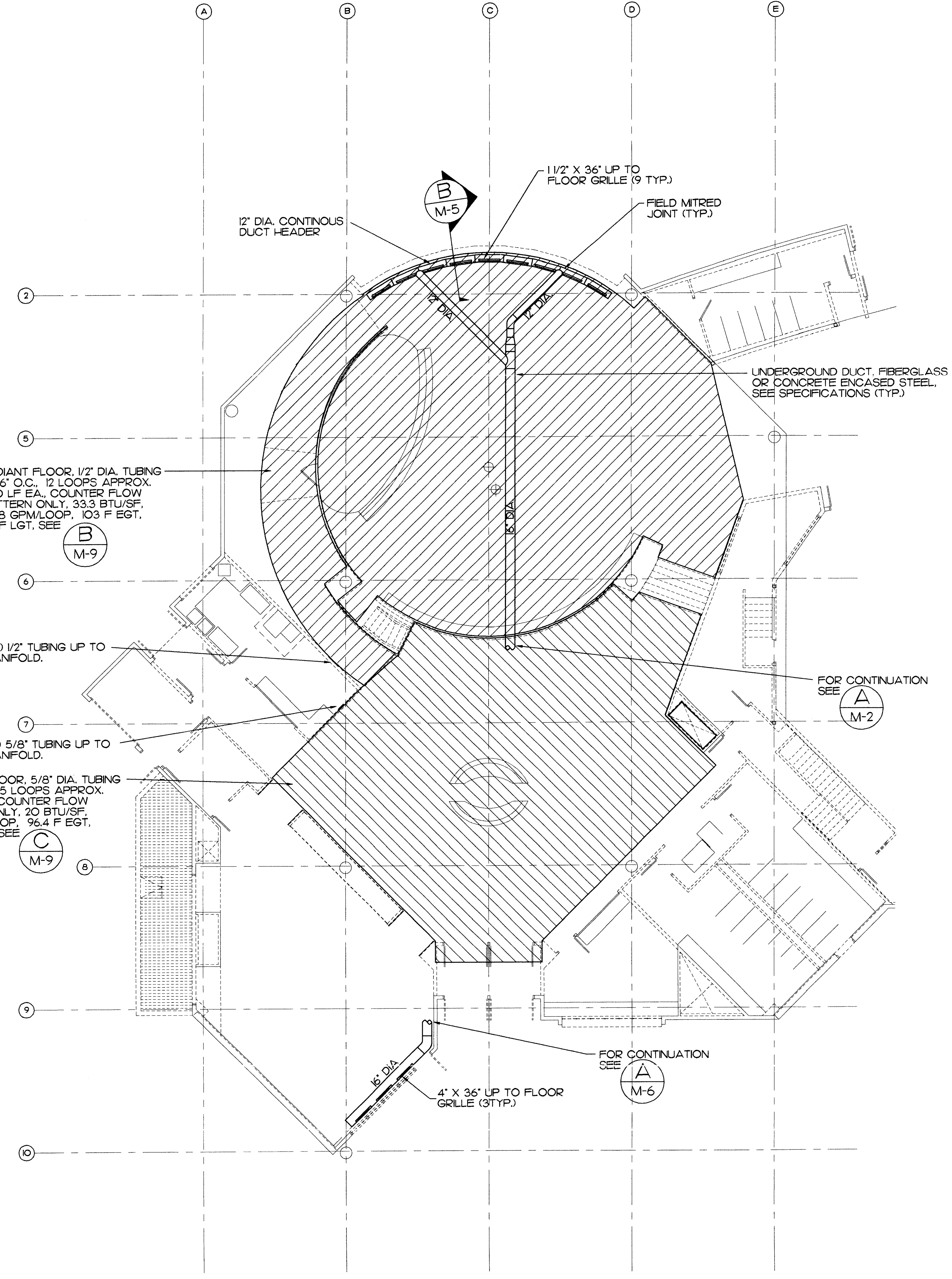
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 UNDERFLOOR PLUMBING AND HEATING PLANS

Revisions
CONFORMED DRAWINGS
 Date: 4/17/98
 Drawn: JBM/JM
 Checked: BSS/ATR
 Job No.: 95023
 Sheet No.:
M-2
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NOTE
 LOCATE TRAP PRIMER MINIMUM 18" ABOVE FLOOR. SURFACE MOUNT EXPOSED ON WALL. CONNECT TO ACTIVE COLD WATER PIPE (FIELD LOCATED) AND PROVIDE ISOLATION VALVE ON SUPPLY TO TRAP PRIMER.

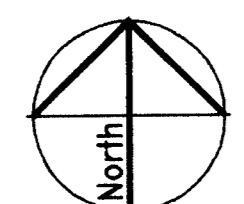
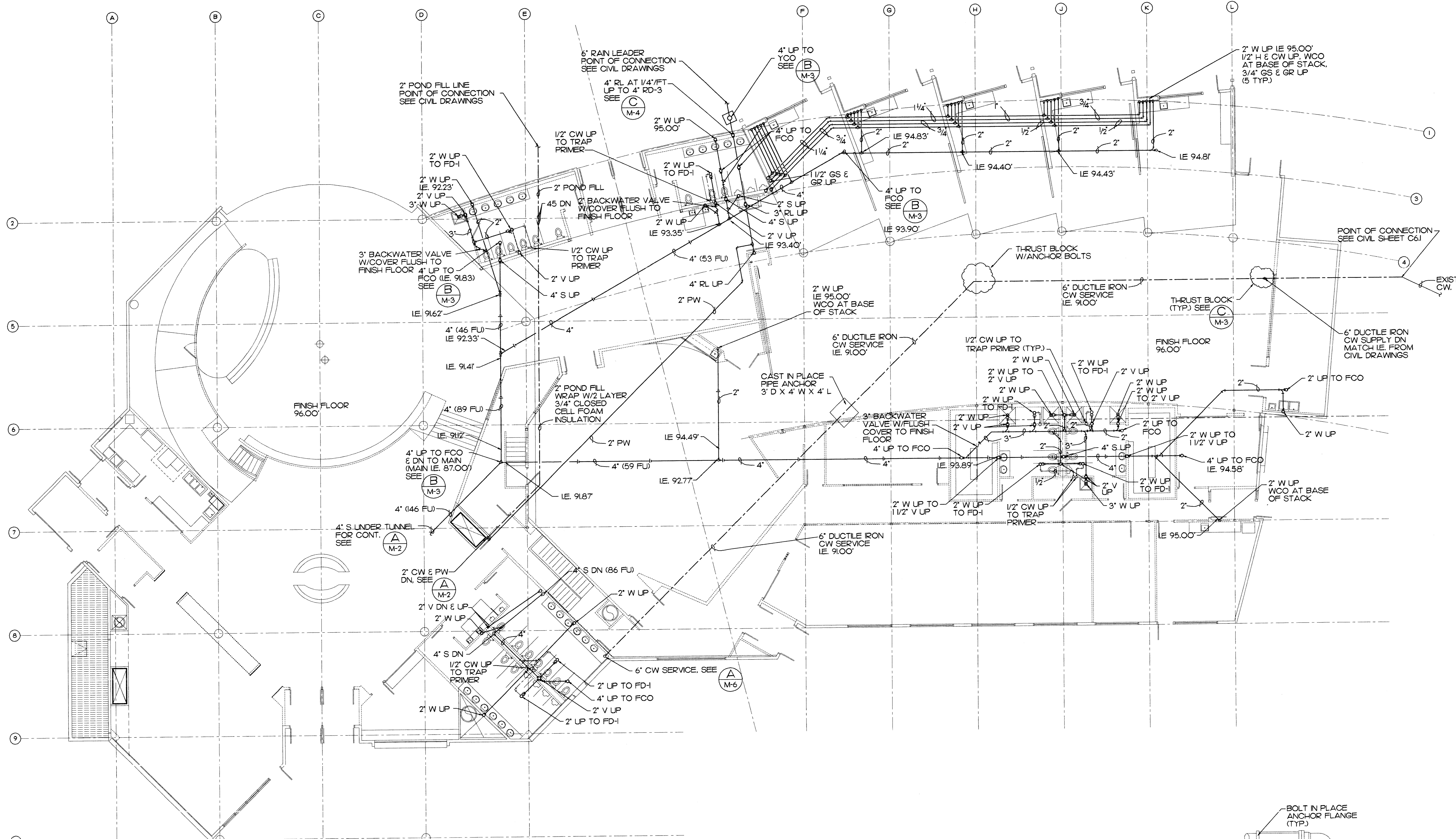
(A) BASEMENT UNDERFLOOR PLUMBING AND HEATING PLAN
 8' 0 8' 16' 24'
 GRAPHIC SCALE: 1/8" = 1'-0"



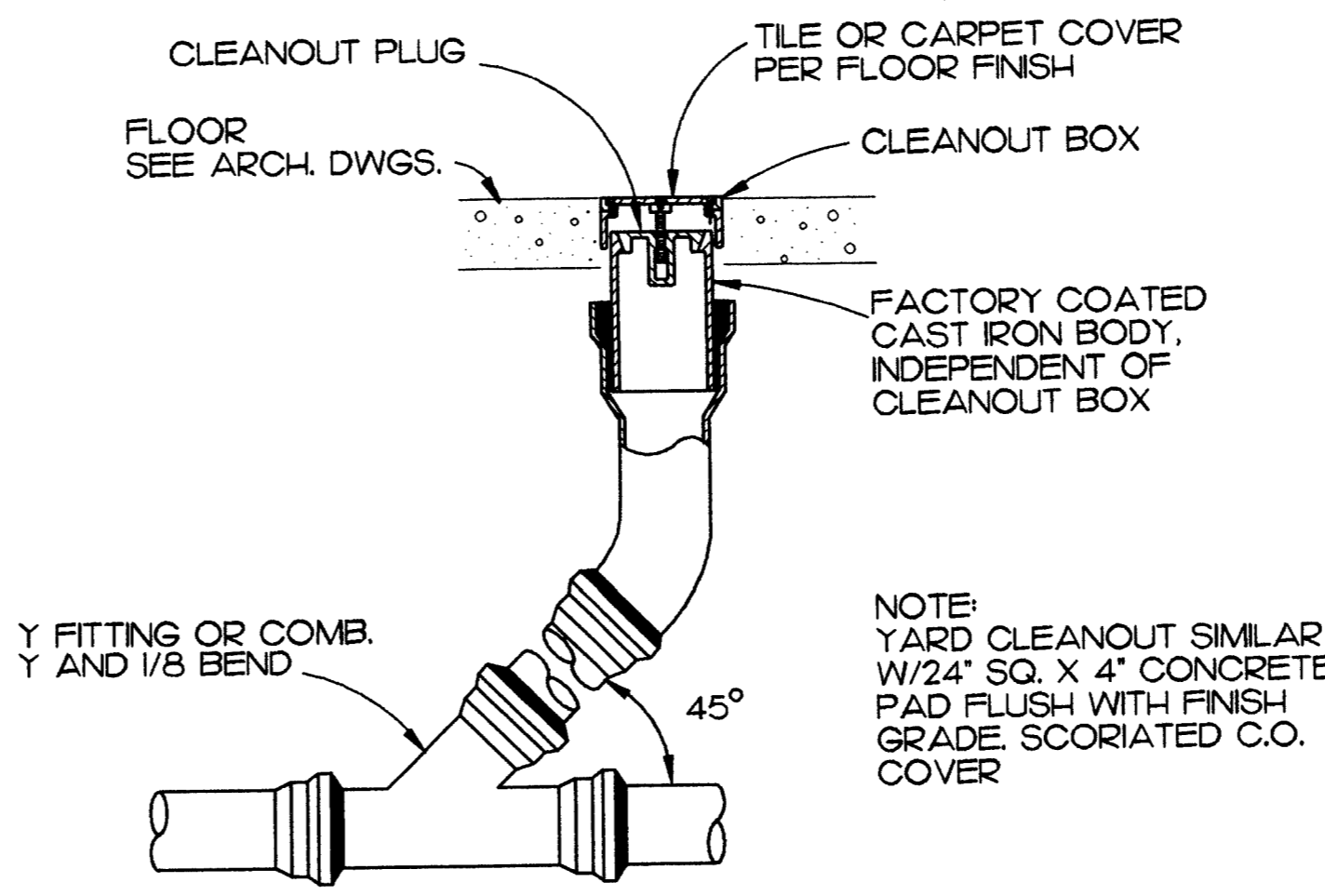
(B) PARTIAL UNDERFLOOR HEATING PLAN
 8' 0 8' 16' 24'
 GRAPHIC SCALE: 1/8" = 1'-0"

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

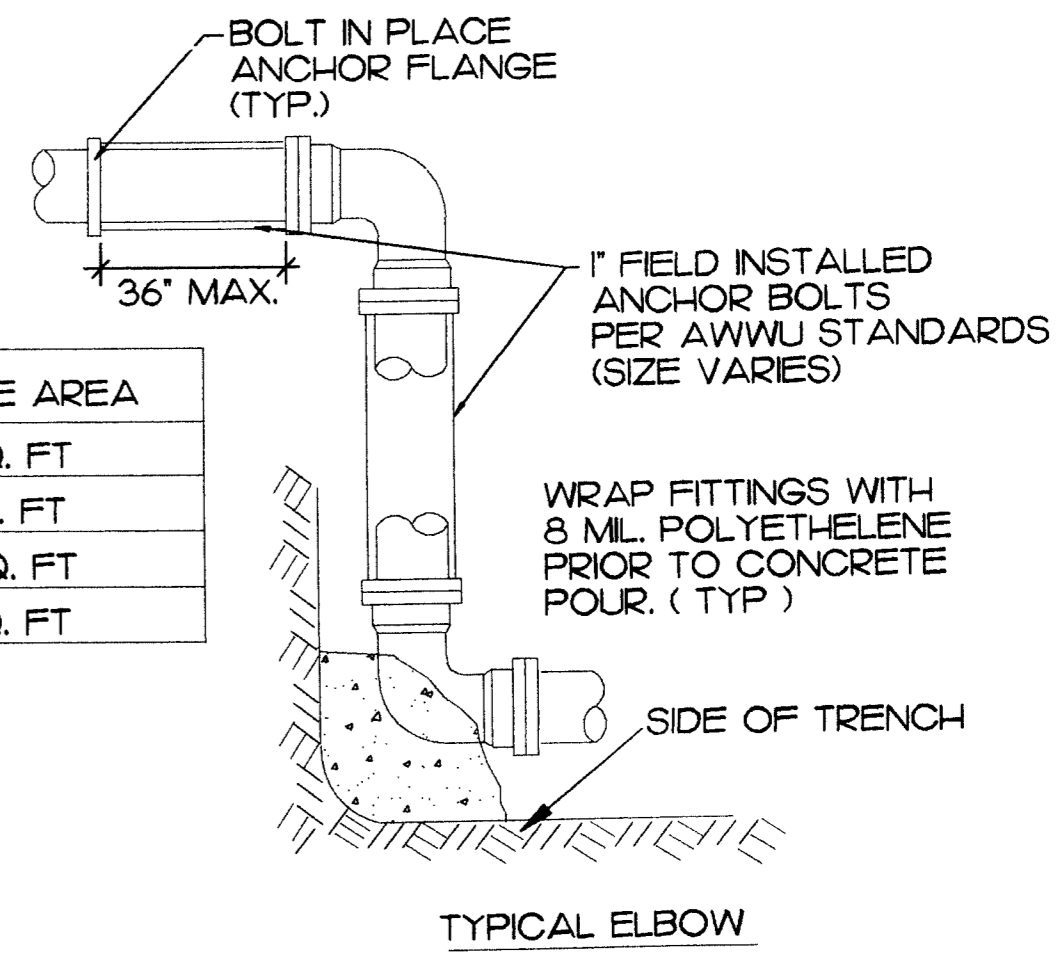
Plot Time: 09:53:16
 Plot Date: 04/15/98
 DWG Name: JON:3003_M2.dwg



UNDERFLOOR PLUMBING PLAN
 M-3
 GRAPHIC SCALE: 1/8" = 1'-0"



FLOOR CLEANOUT DETAIL
 M-3 NO SCALE



- NOTE**
- ALL THRUST BLOCKS TO BE 2000 LB. CONCRETE. POURED IN PLACE
 - INSTALL THRUST BLOCKS AT ALL BENDS OR TEES.
 - APPLY MASTIC TO ALL THREADED RODS TO PREVENT CORROSION PER AWWU STANDARDS.

THRUST BLOCK DETAIL
 M-3 NO SCALE

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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ALASKA NATIVE HERITAGE CENTER
 ANHC ANCHORAGE, ALASKA
 UNDERFLOOR PLUMBING PLAN

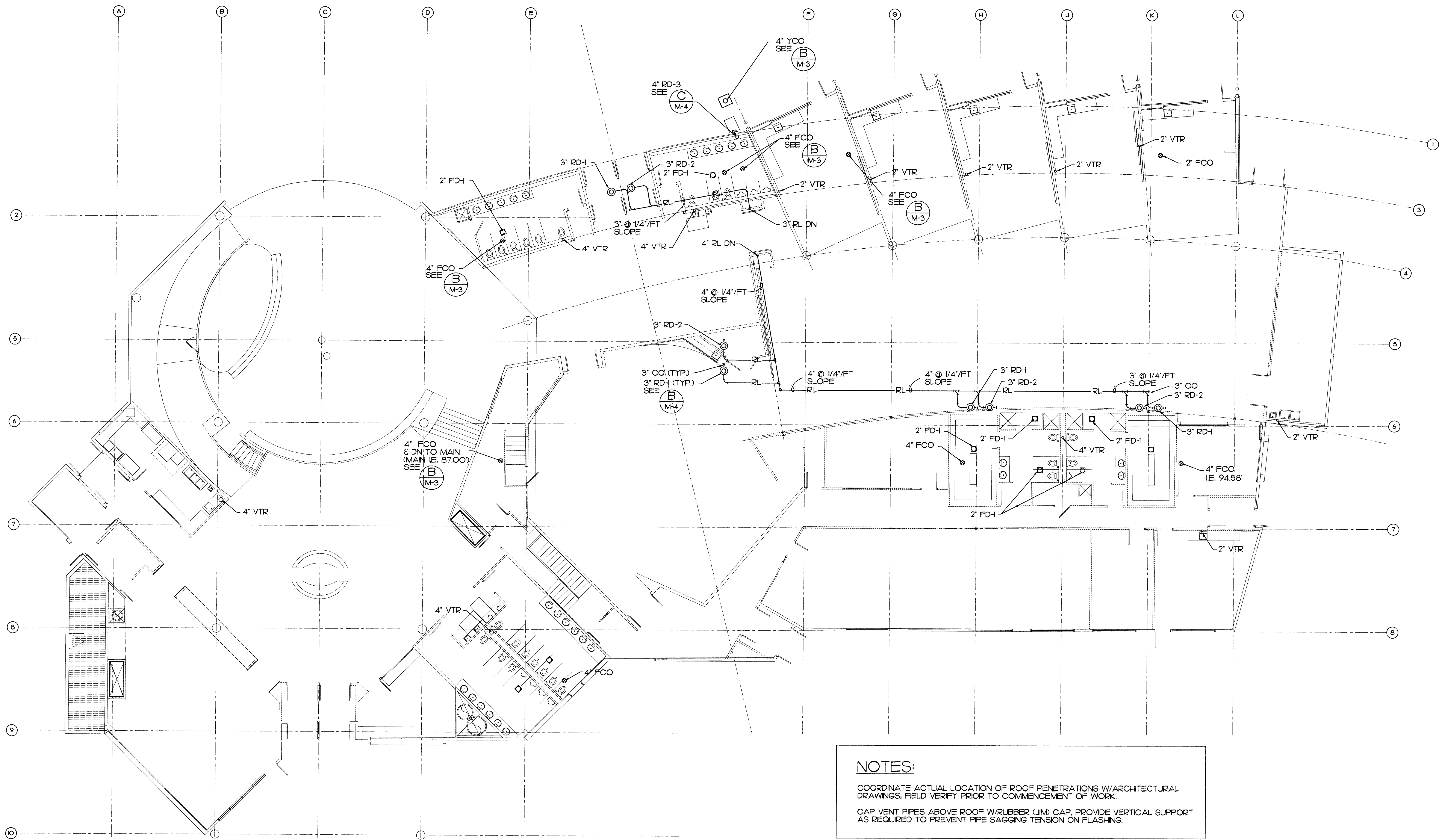
Revisions

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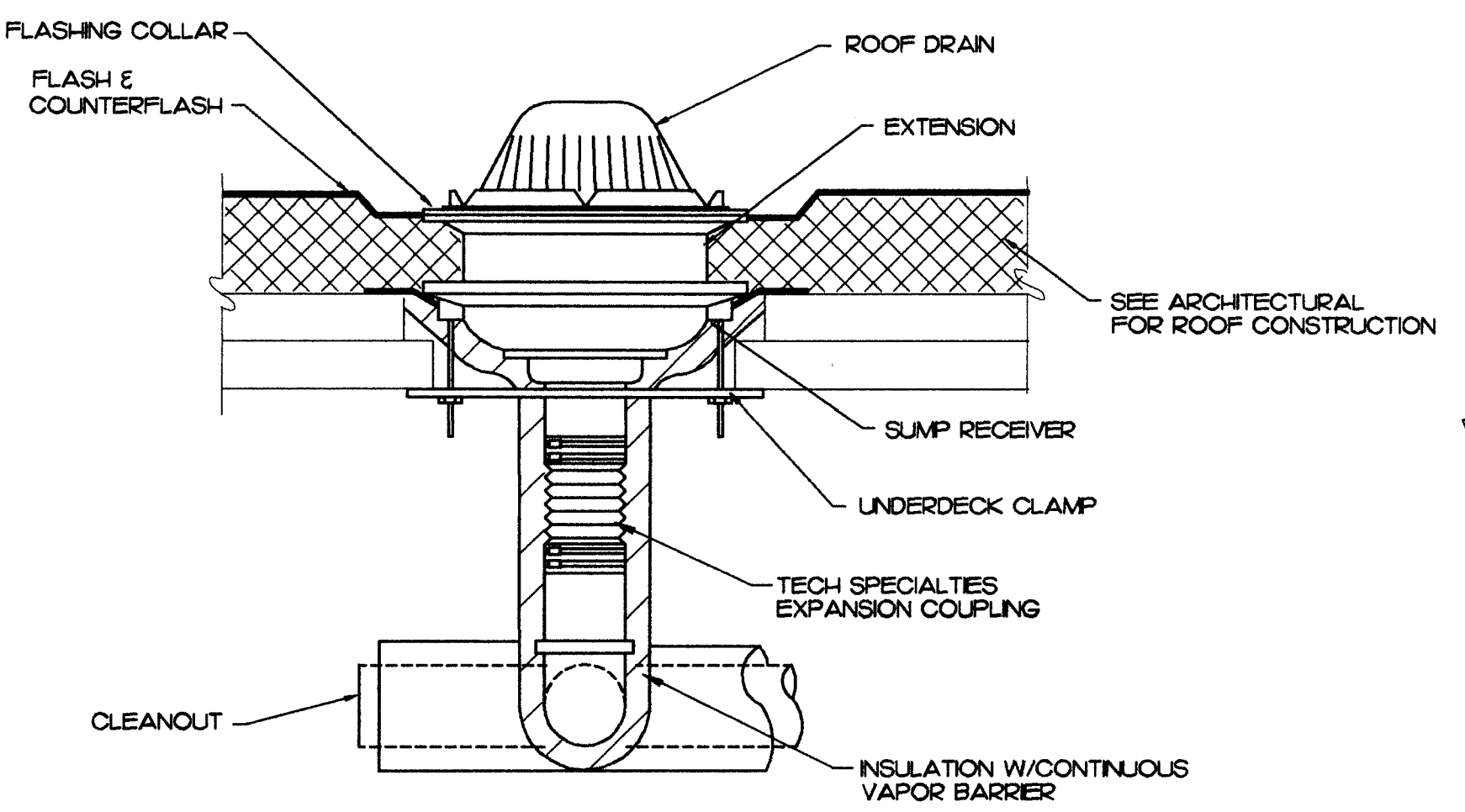
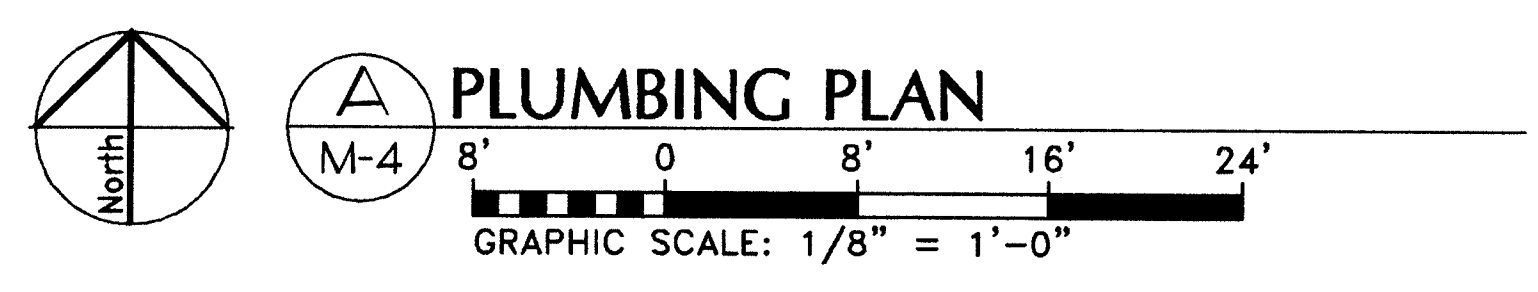
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M-3

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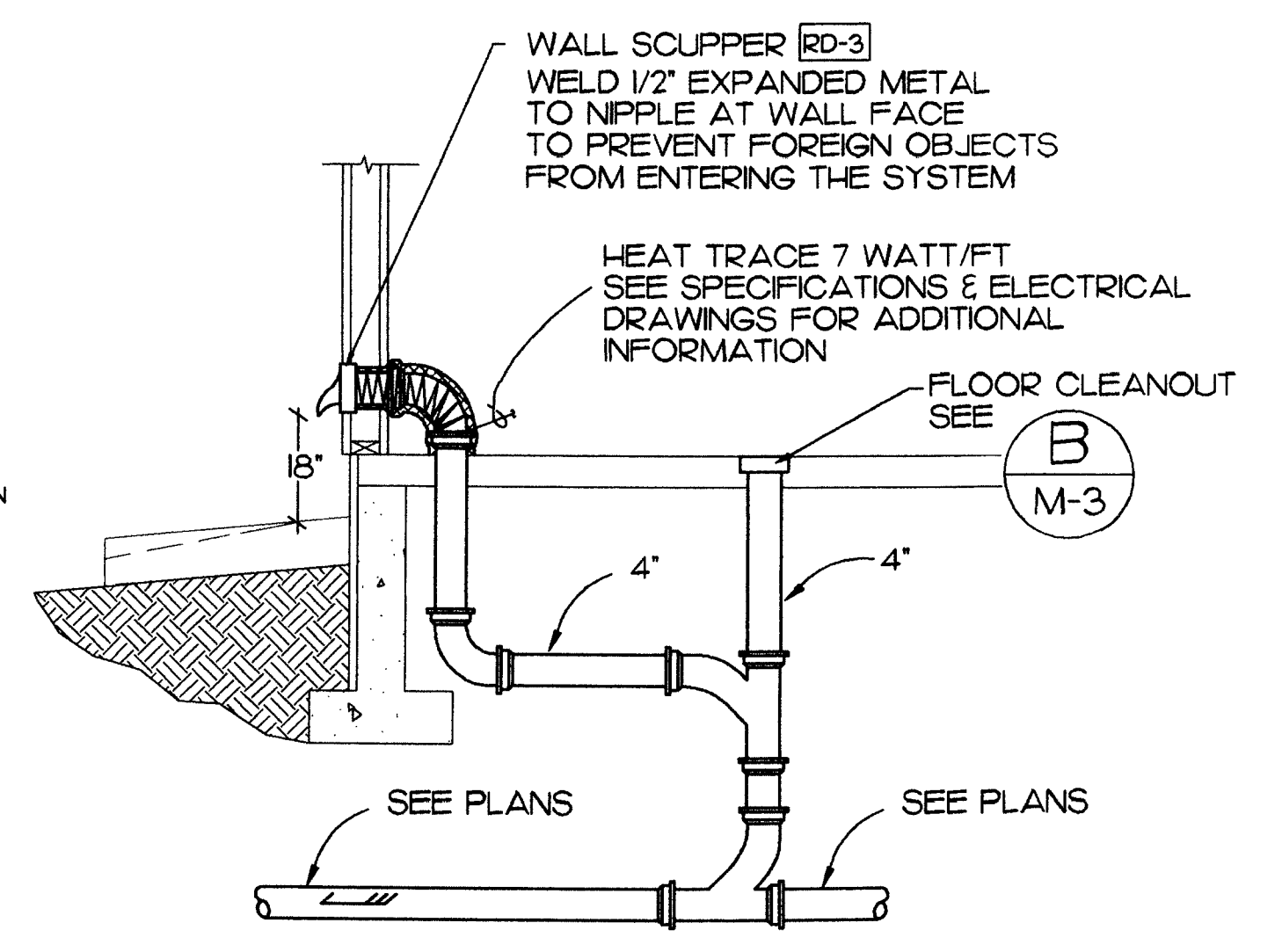


NOTES:
 COORDINATE ACTUAL LOCATION OF ROOF PENETRATIONS W/ARCHITECTURAL DRAWINGS. FIELD VERIFY PRIOR TO COMMENCEMENT OF WORK.
 CAP VENT PIPES ABOVE ROOF W/RUBBER (JIM) CAP. PROVIDE VERTICAL SUPPORT AS REQUIRED TO PREVENT PIPE SAGGING TENSION ON FLASHING.

Plot Time: 13:40:24
 Plot Date: 04/15/98
 DWG Name: JON:5003_M4.dwg



B ROOF DRAIN DETAIL
 M-4 NO SCALE



C STORM DRAIN OVERFLOW
 M-4 NO SCALE

SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

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ALASKA NATIVE HERITAGE CENTER
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 ANCHORAGE, ALASKA
 PLUMBING PLAN

Revisions

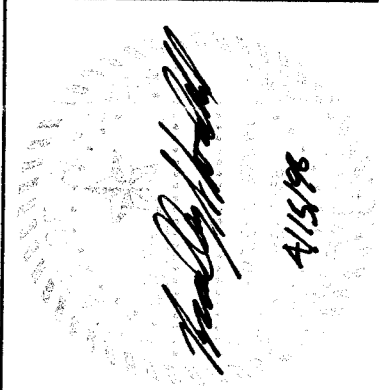
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ALASKA NATIVE HERITAGE CENTER
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 VENTILATION FLOOR PLAN

Revisions

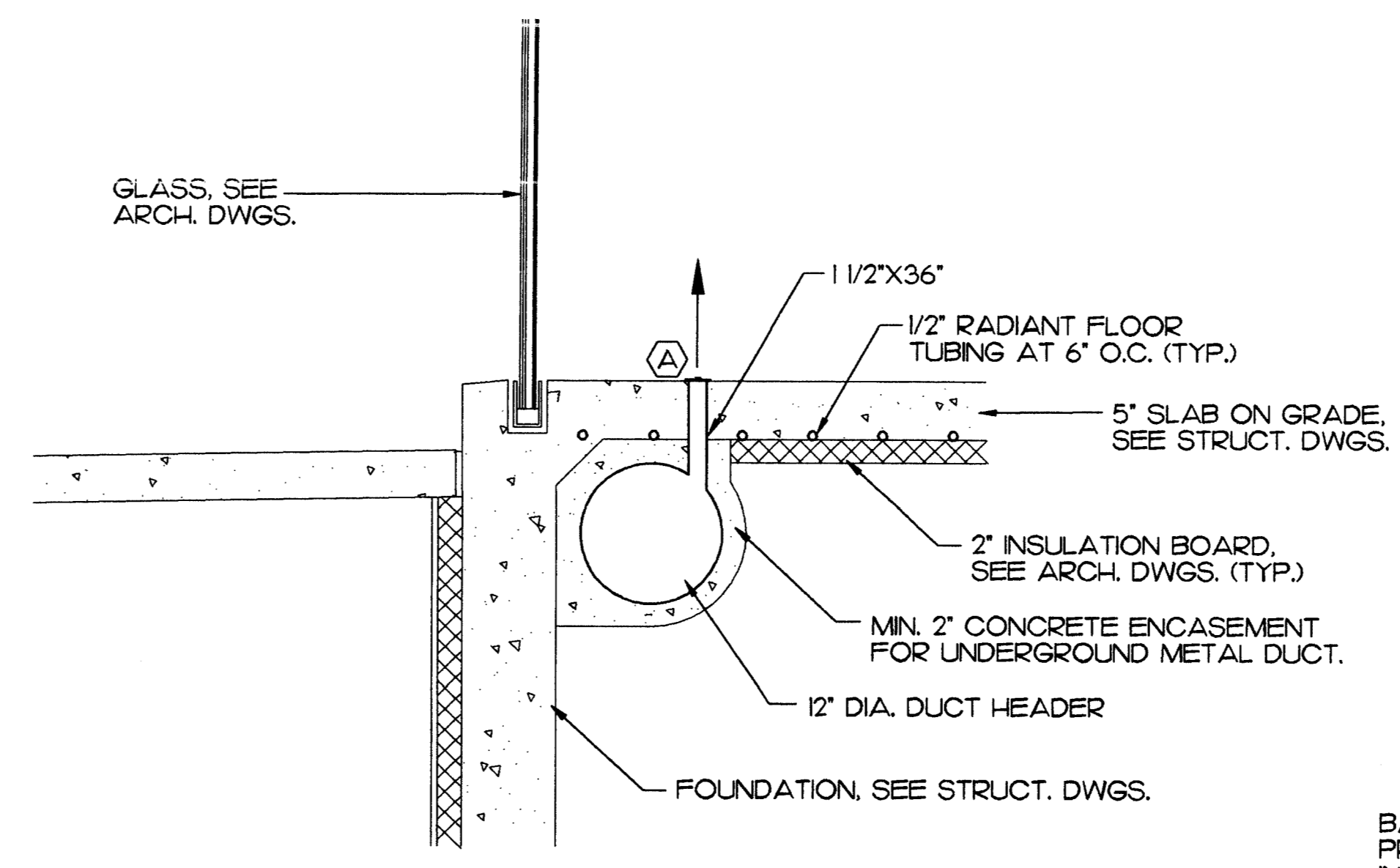
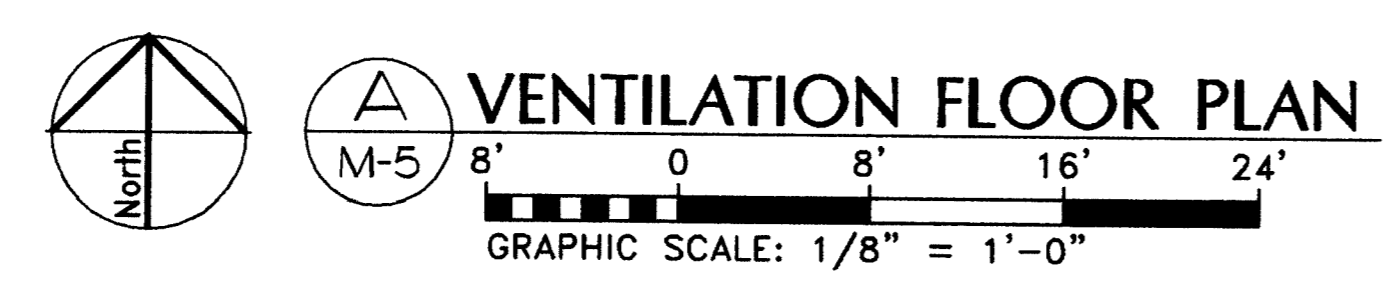
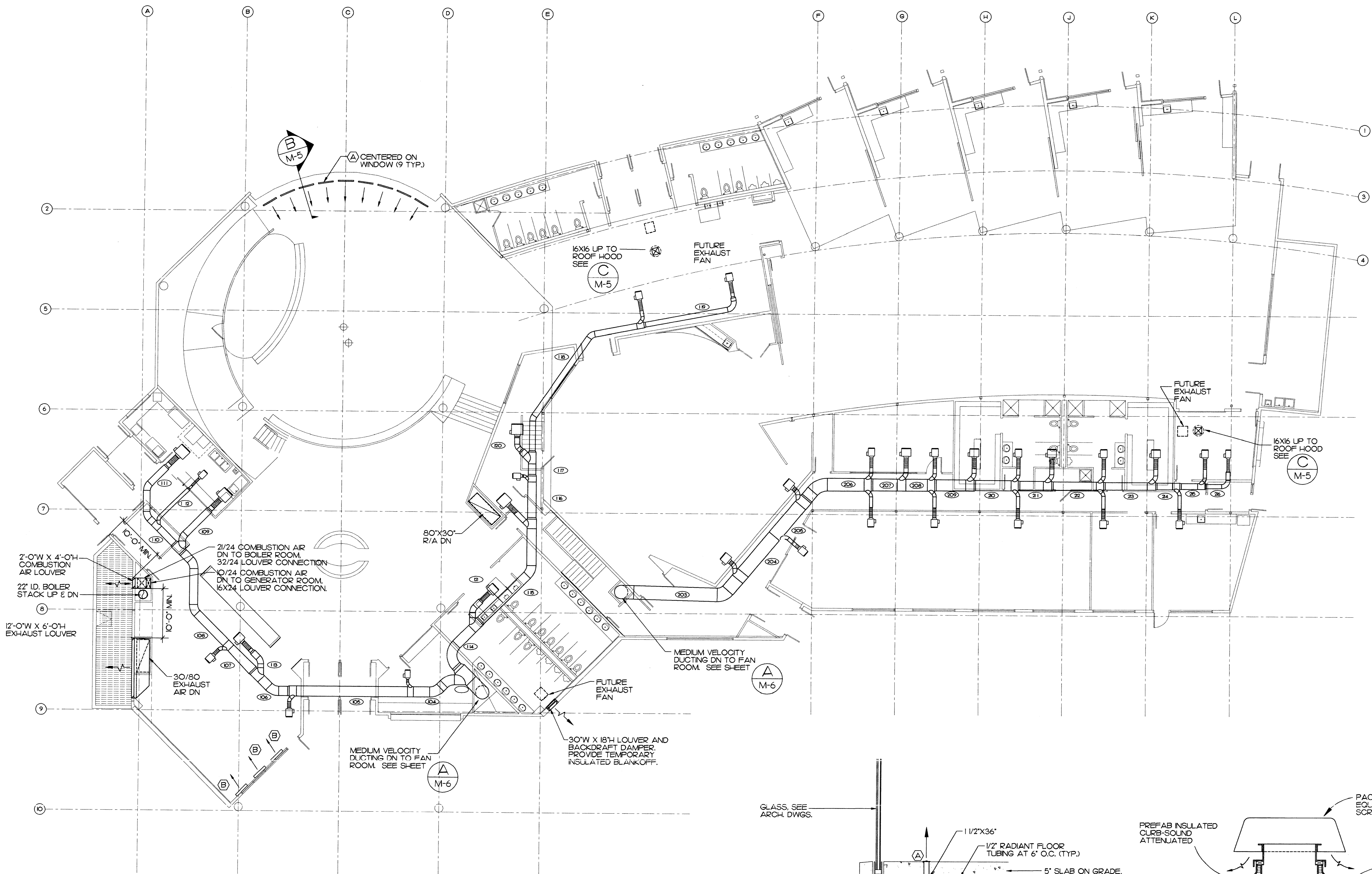
CONFORMED DRAWINGS

Date 04/17/98
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 Checked BSS/ATR
 Job No. 95023

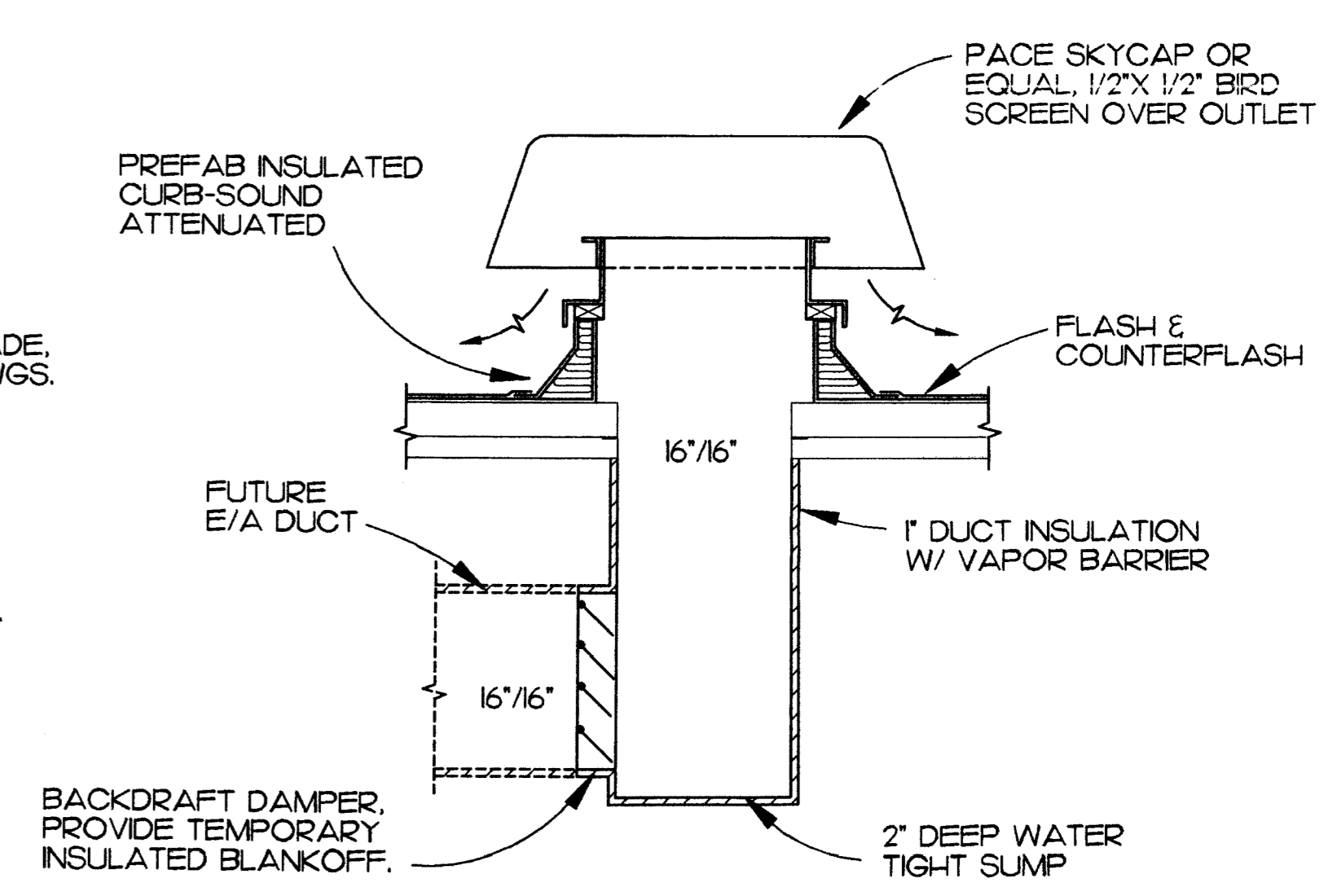
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M-5

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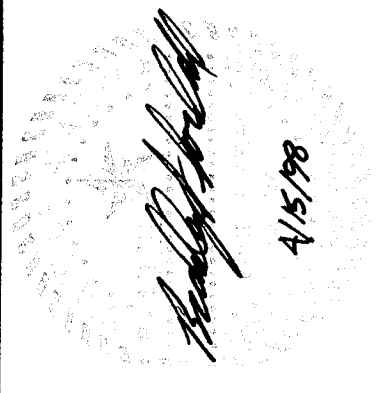
A SECTION AT FLOOR GRILLE
 M-5 SCALE: 1" = 1'-0"



C ROOF HOOD DETAIL
 M-5 NO SCALE

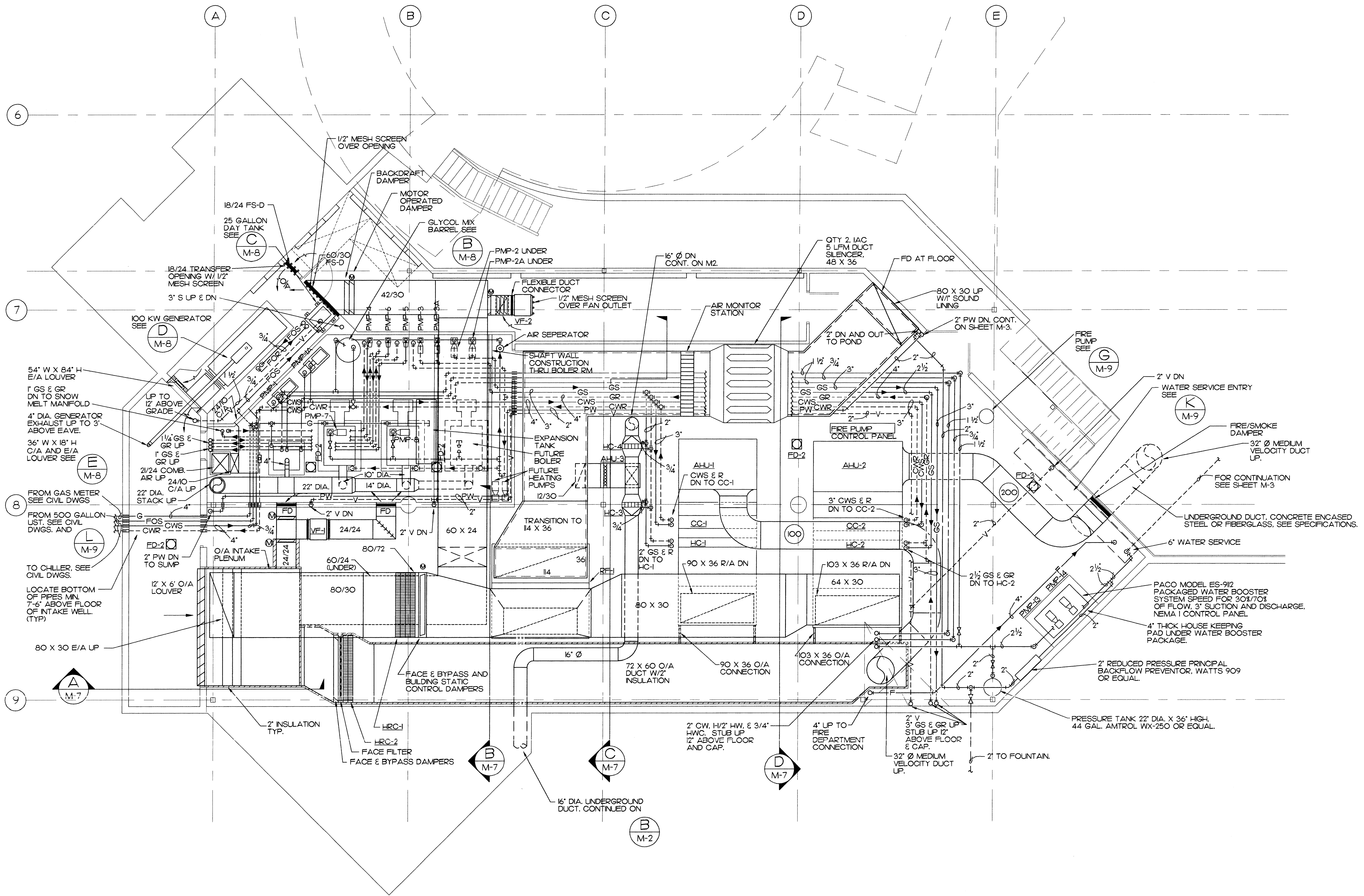
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 Plot Date: 04/15/98
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FAN ROOM FLOOR PLAN
 GRAPHIC SCALE: 1/4" = 1'-0"

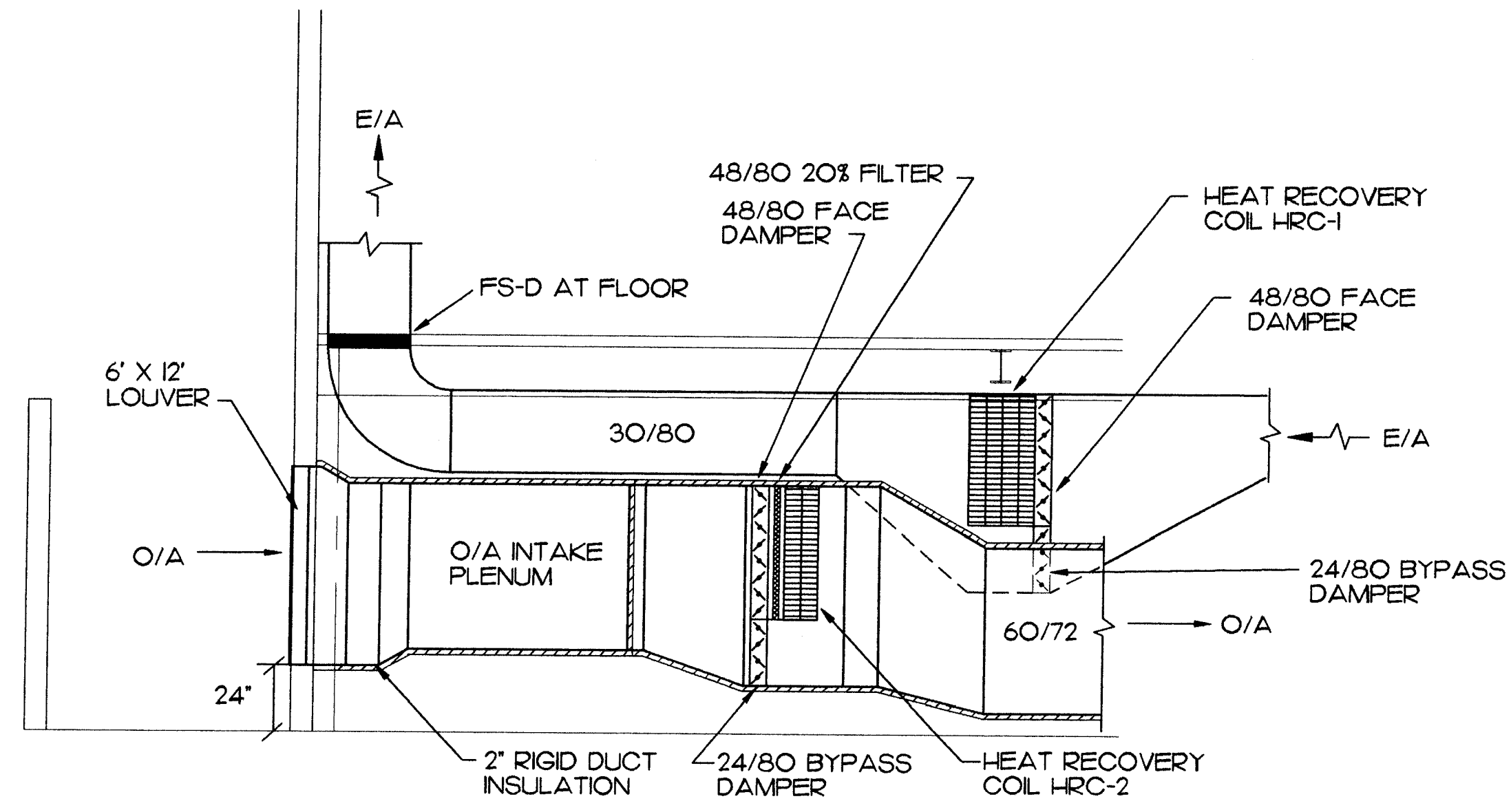
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 MECHANICAL ROOM PLAN

| | |
|---------------------------|------------|
| Revisions | |
| CONFORMED DRAWINGS | |
| Date | 04/17/98 |
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| Checked | BSS/ATR |
| Job No. | 95023 |
| Sheet No. | M-6 |

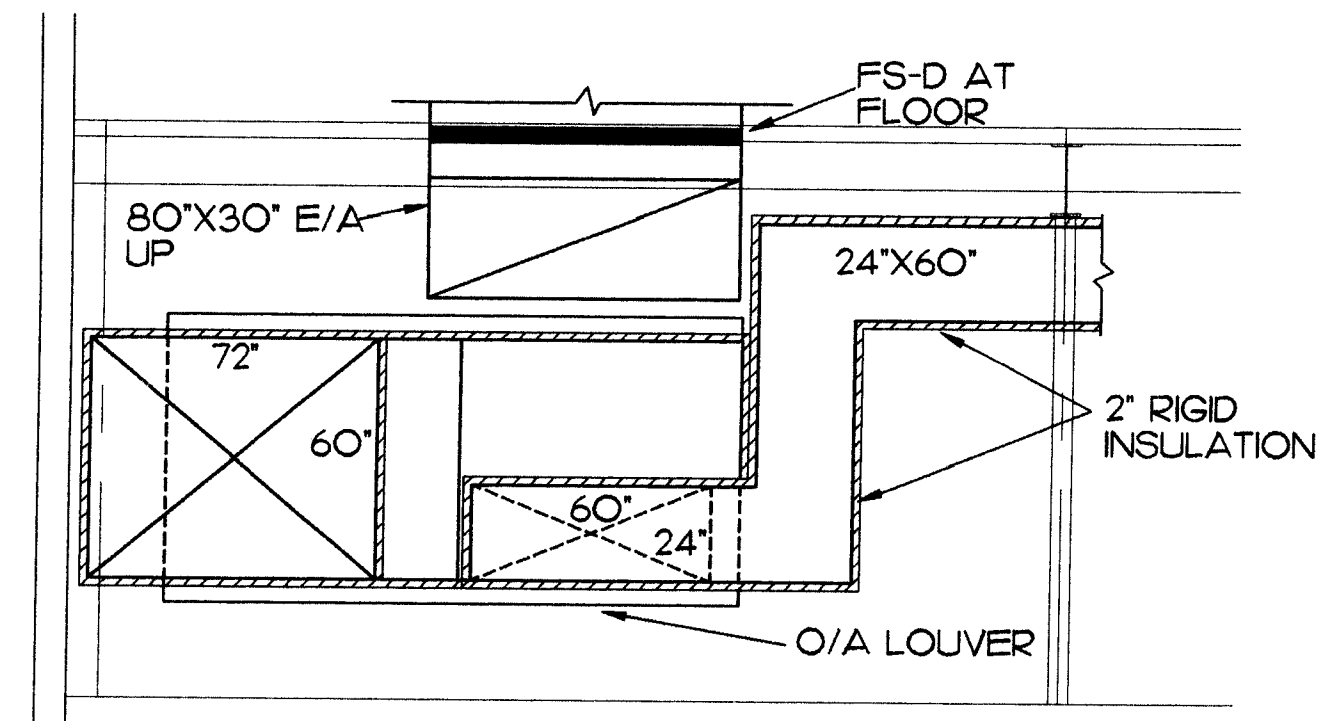
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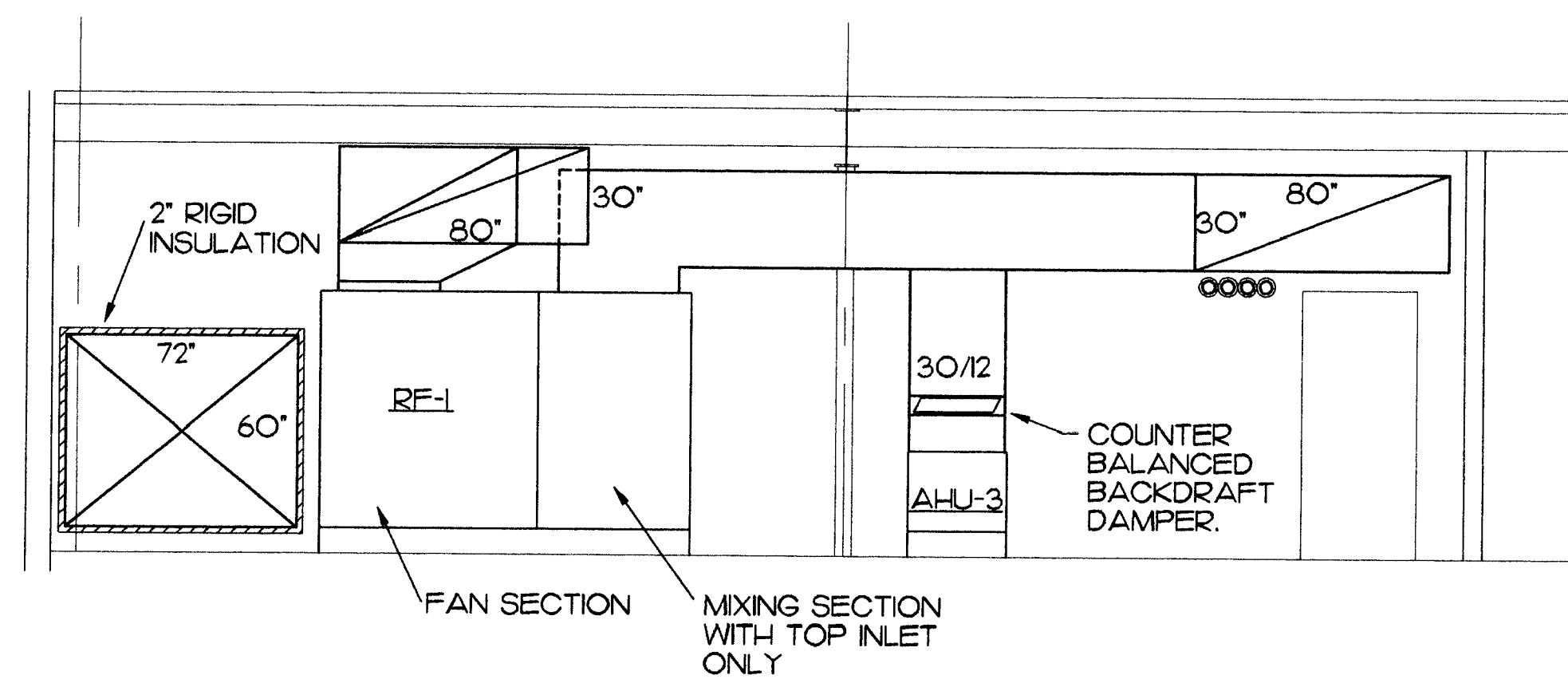
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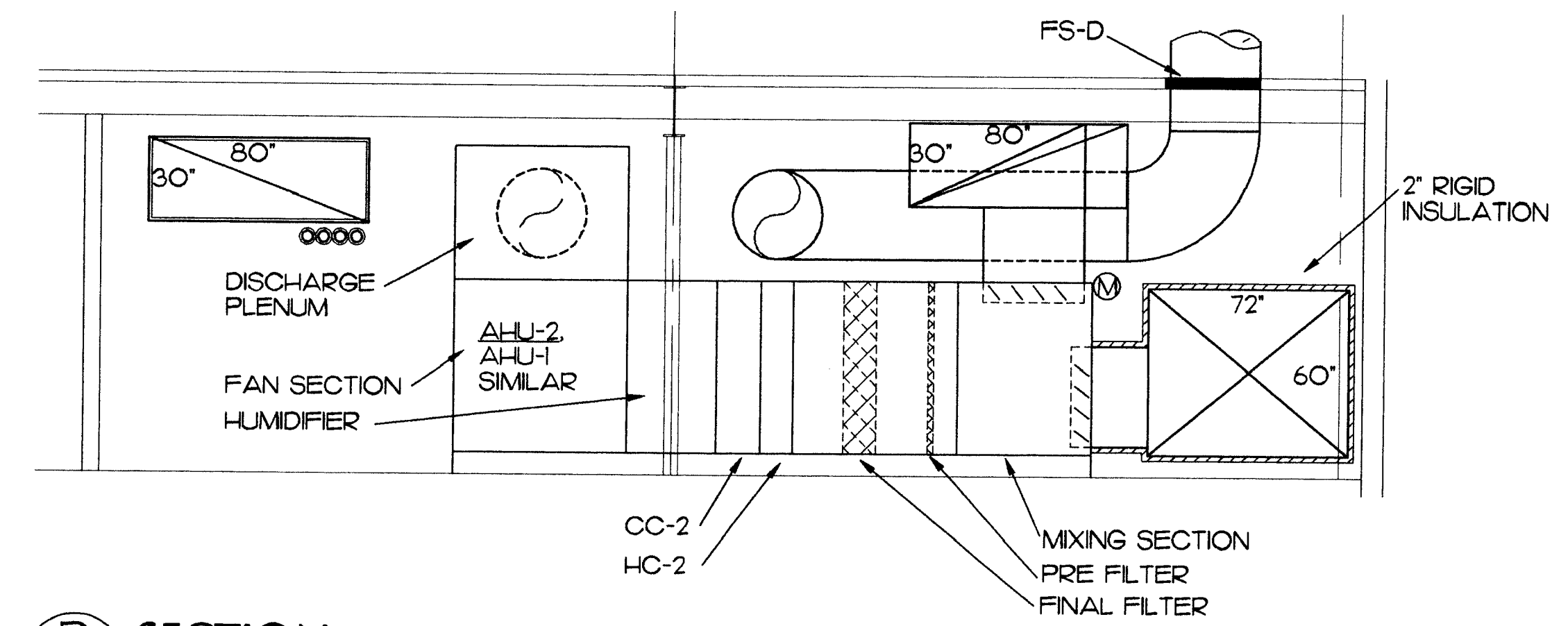
A SECTION
M-7 SCALE: 1/4" = 1' - 0"



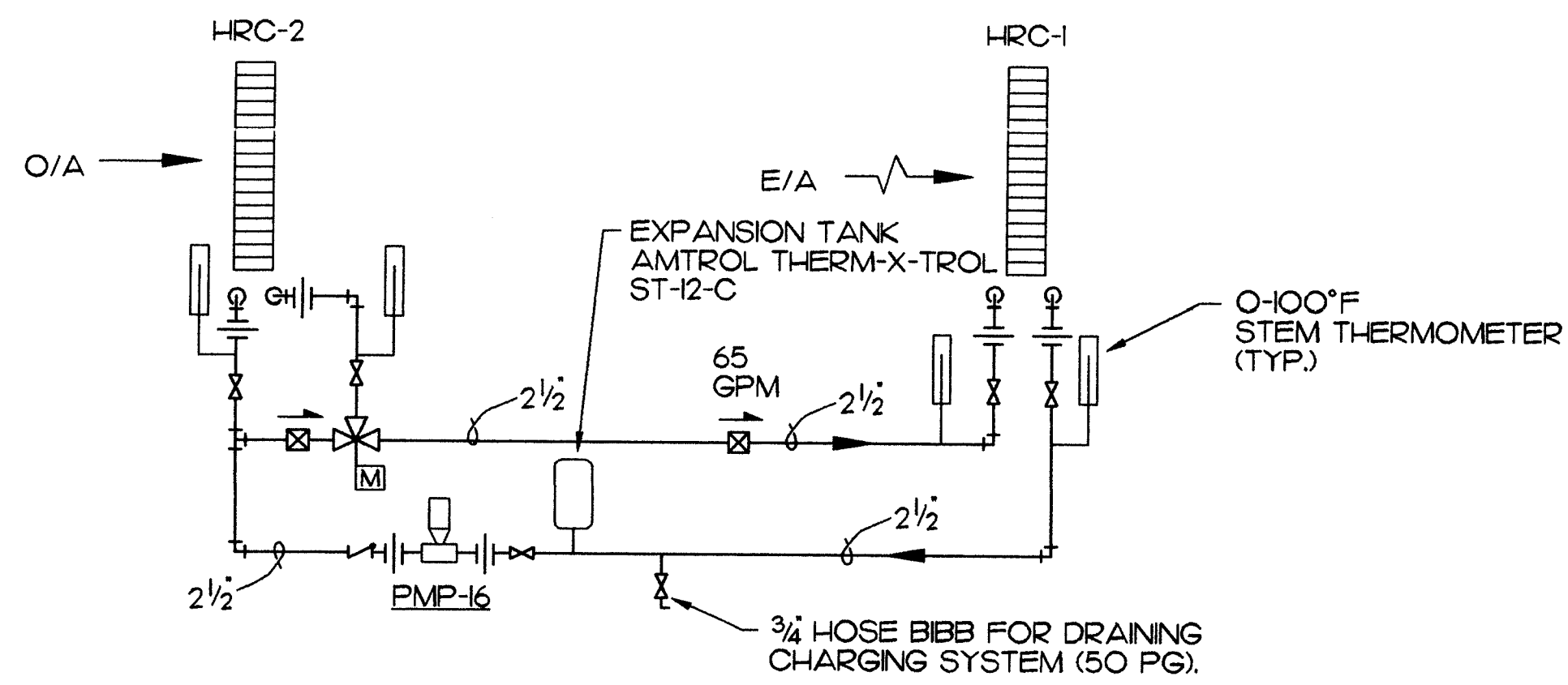
B SECTION
M-7 SCALE: 1/4" = 1' - 0"



C SECTION
M-7 SCALE: 1/4" = 1' - 0"



D SECTION
M-7 SCALE: 1/4" = 1' - 0"



E HEAT RECOVERY LOOP DETAIL
M-7 NO SCALE

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MECHANICAL ROOM SECTIONS AND DETAIL

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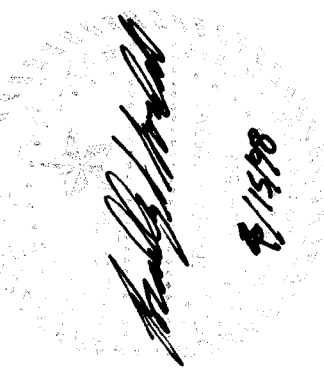
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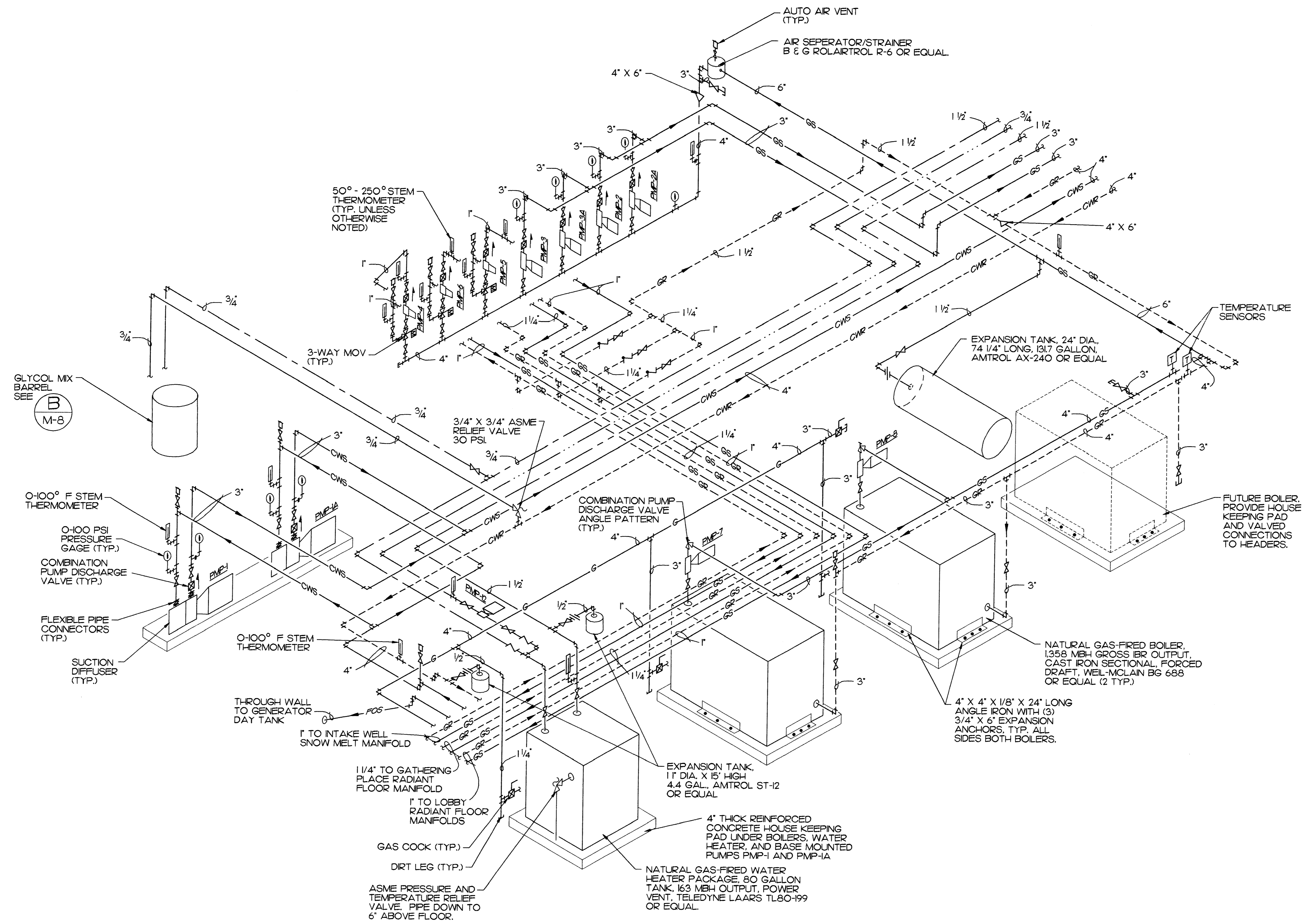
SCALES INDICATED RELATE TO 30"X42" FULL-SIZE DRAWINGS

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

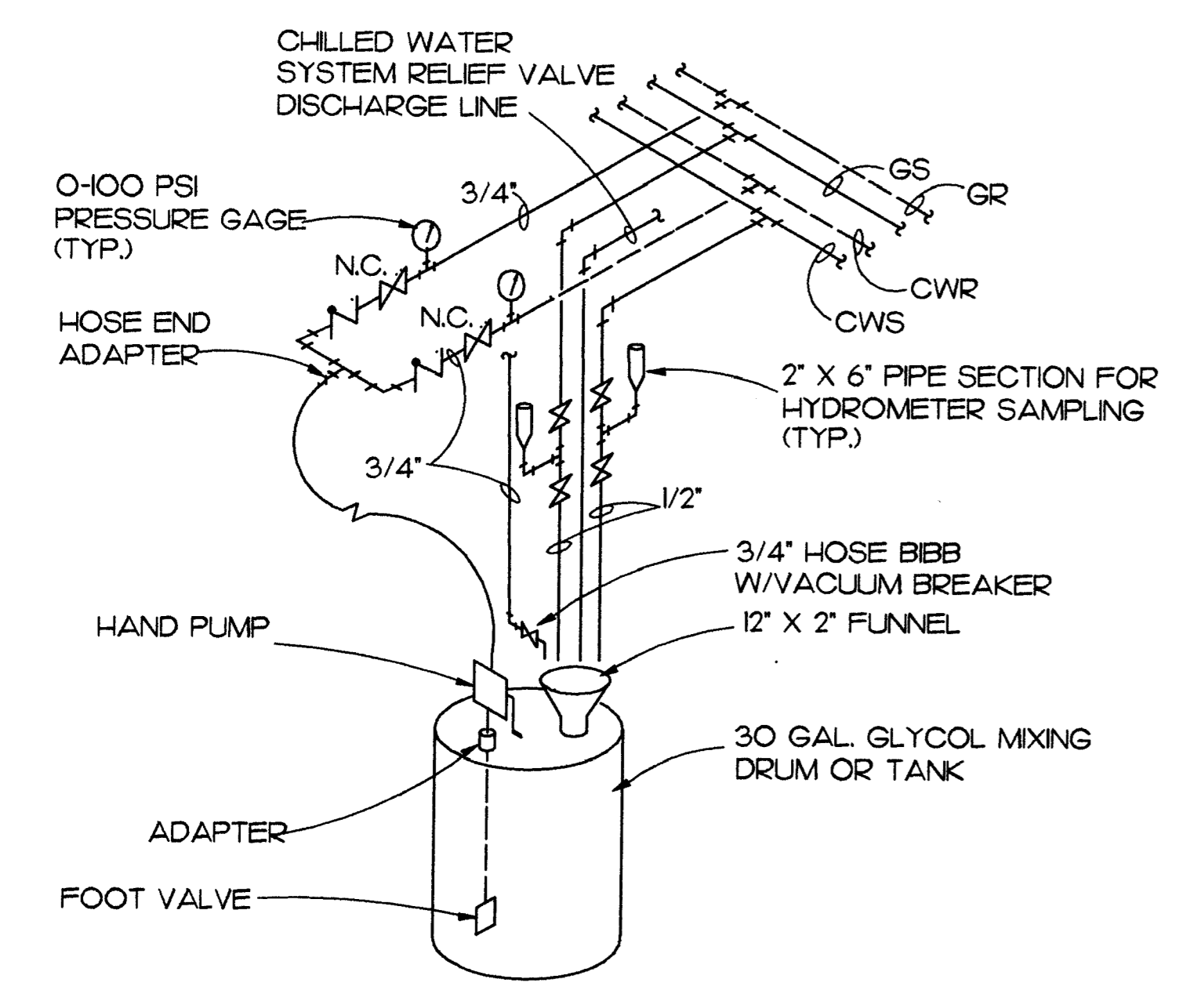


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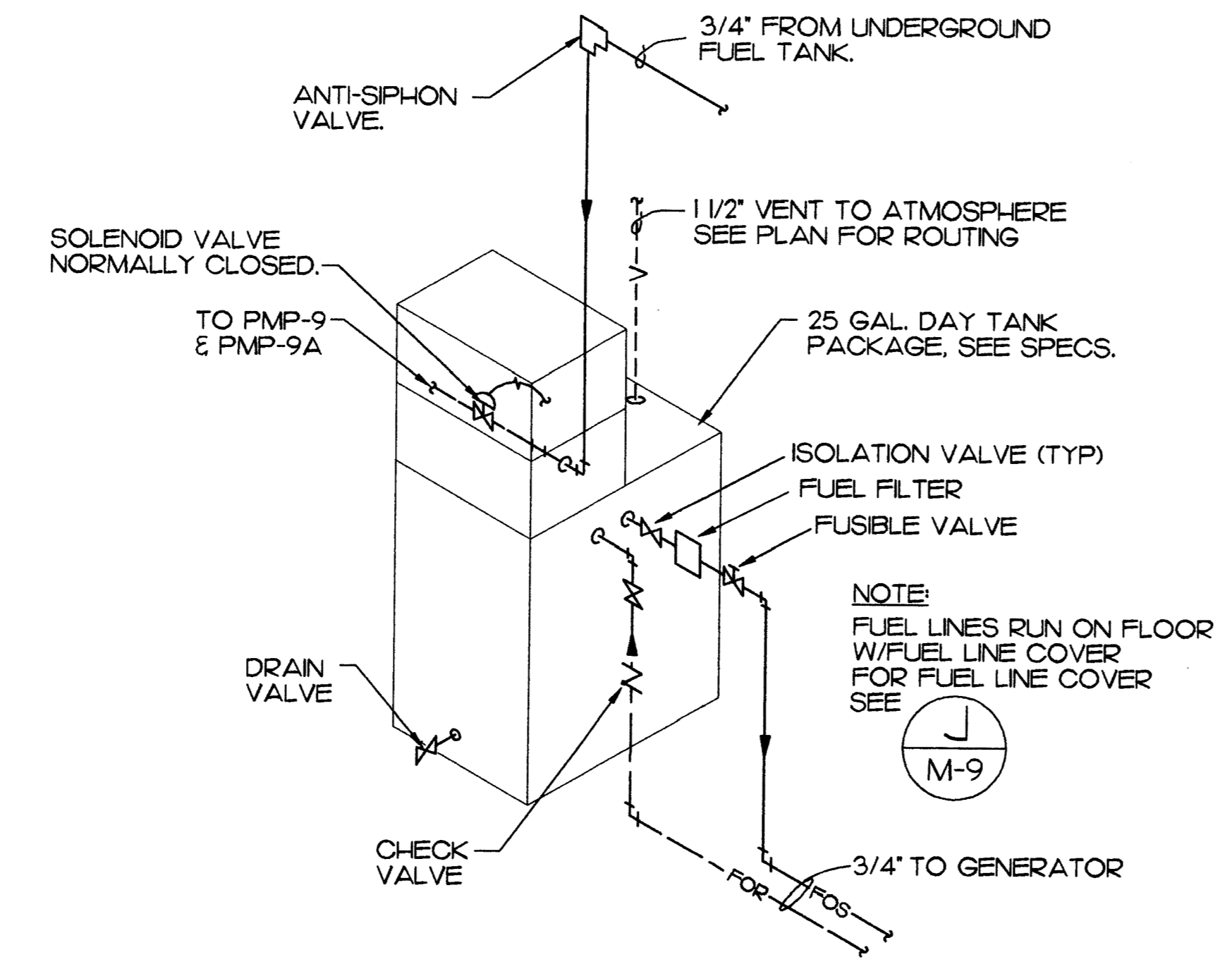
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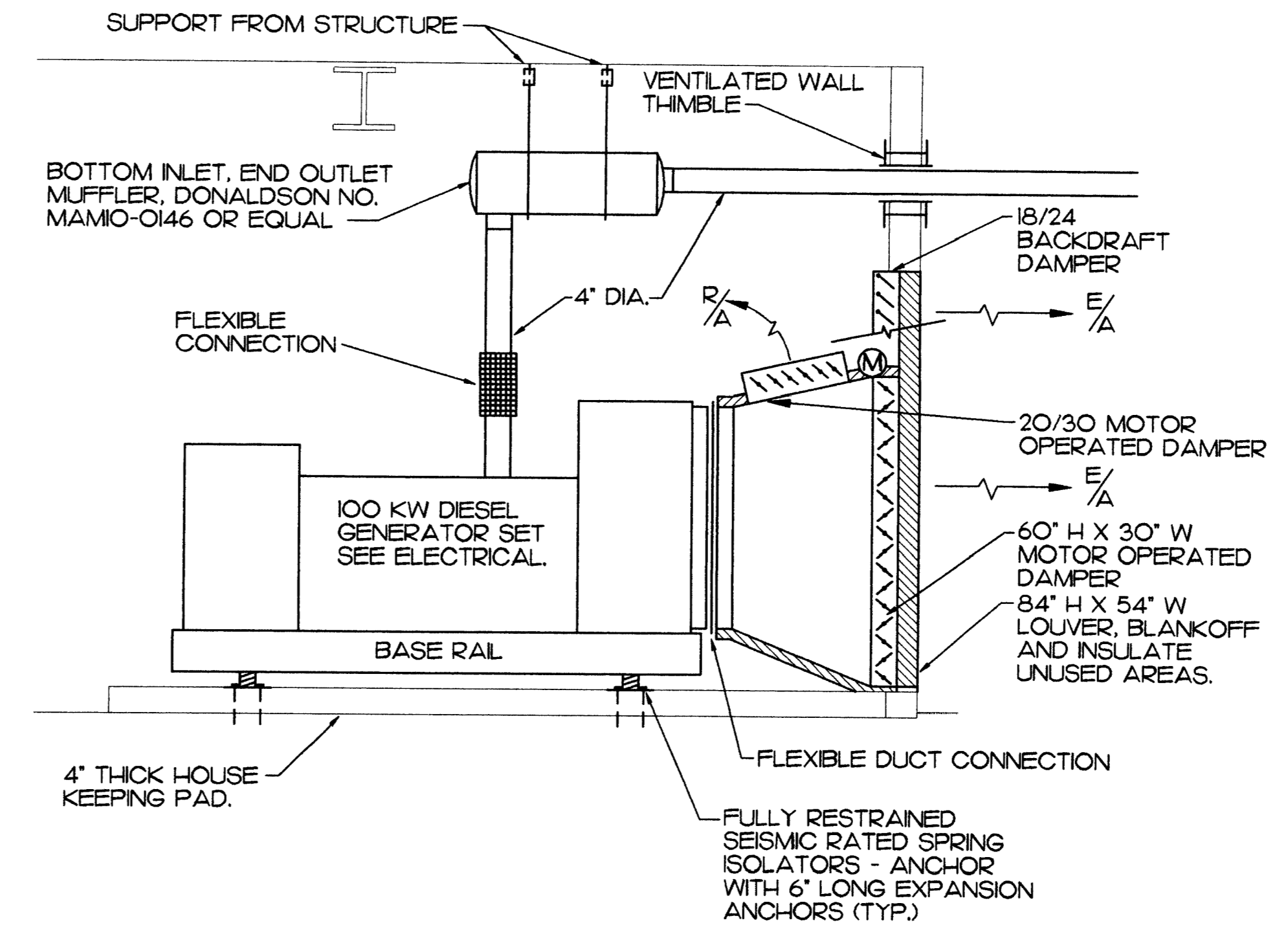
(A) BOILER ROOM PIPING ISOMETRIC
M-8 NO SCALE



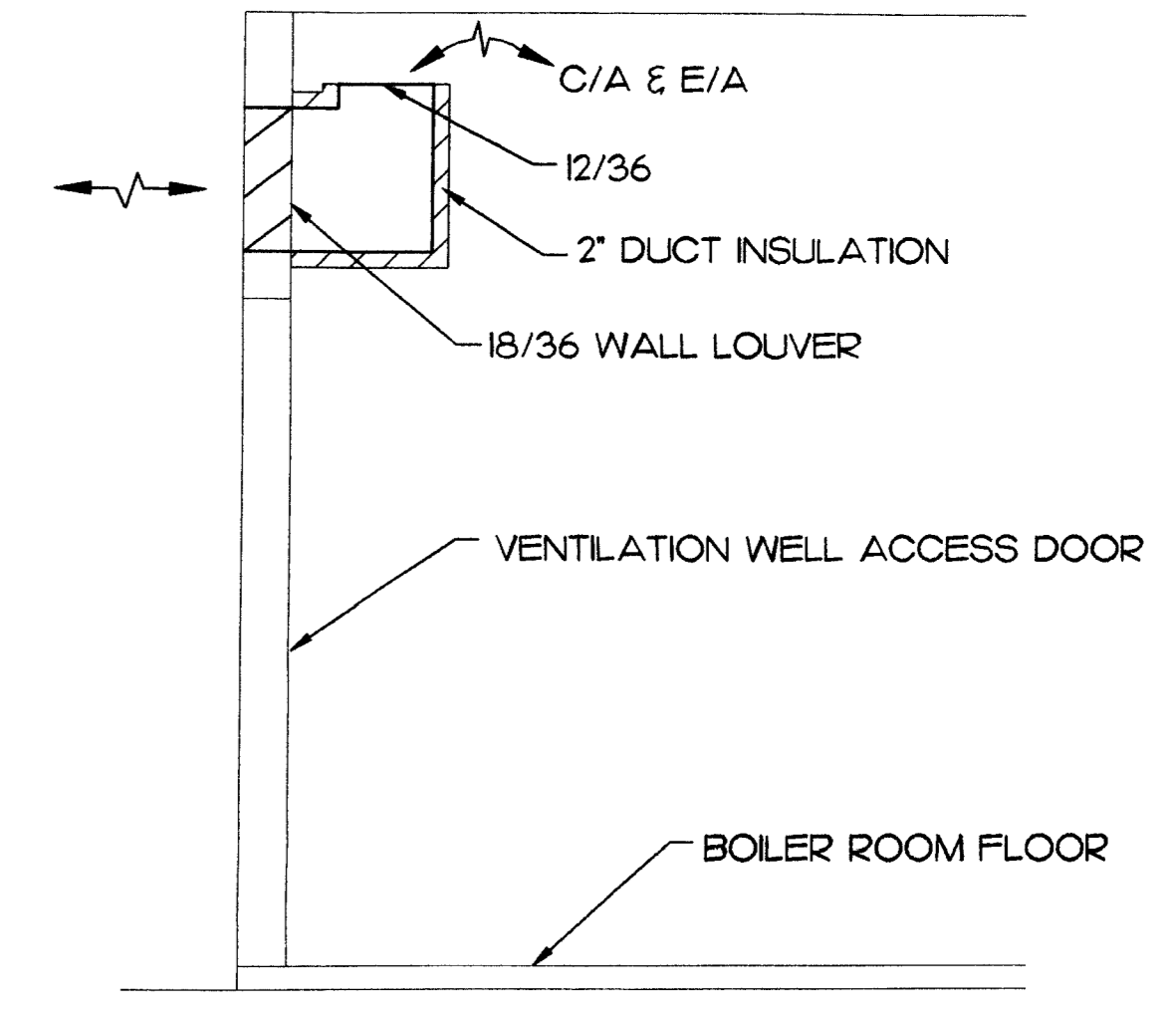
(B) GLYCOL MAKE-UP DETAIL
M-8 NO SCALE



(C) DAY TANK PIPING DETAIL
M-8 NO SCALE



(D) GENERATOR DETAIL
M-8 NO SCALE



(E) COMBUSTION AIR DETAIL
M-8 NO SCALE

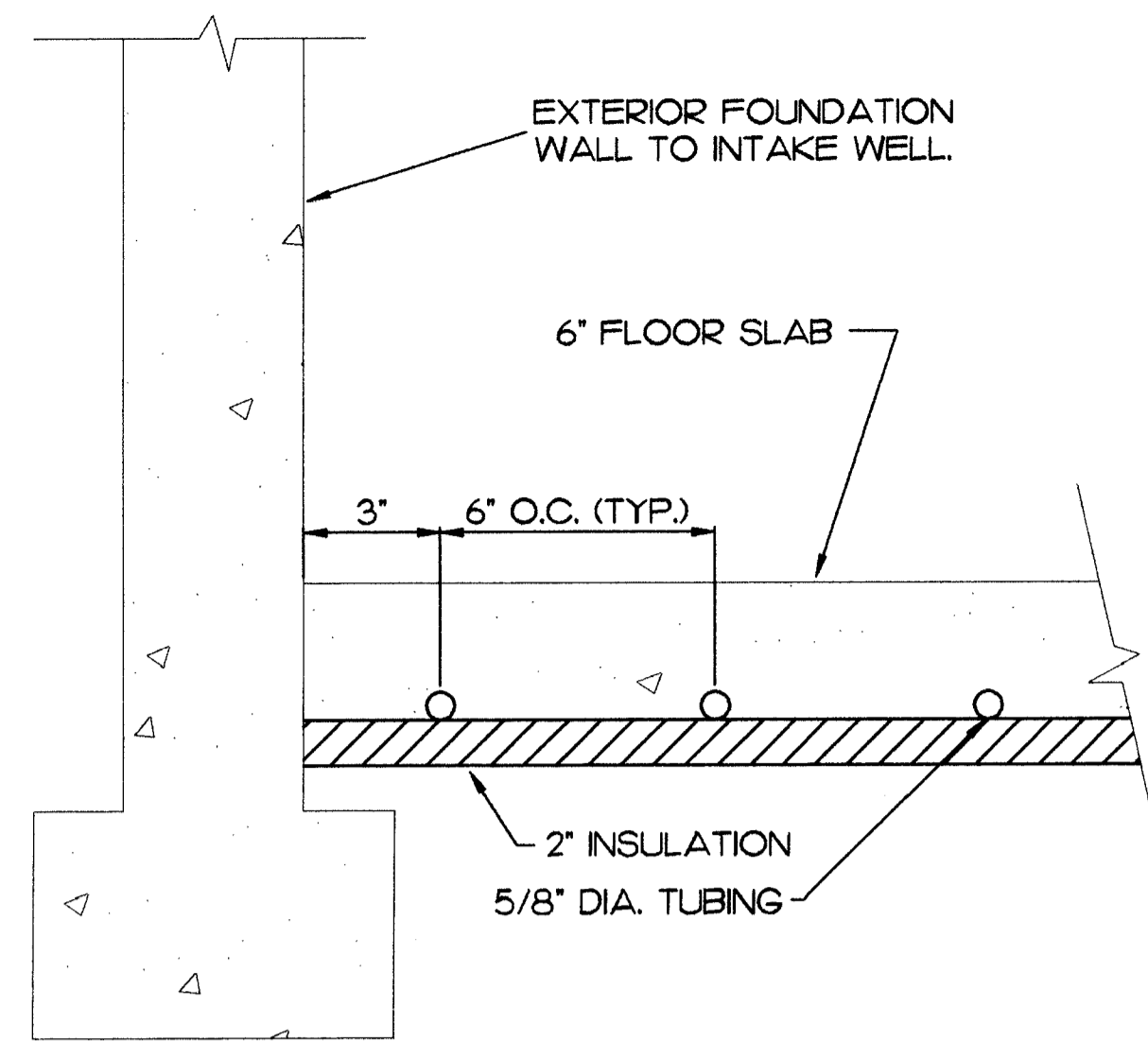
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Plot Date: 04/15/98
DWG Name: JASON:5003_M8.dwg

ALASKA NATIVE HERITAGE CENTER
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BOILER ROOM ISOMETRIC AND DETAILS

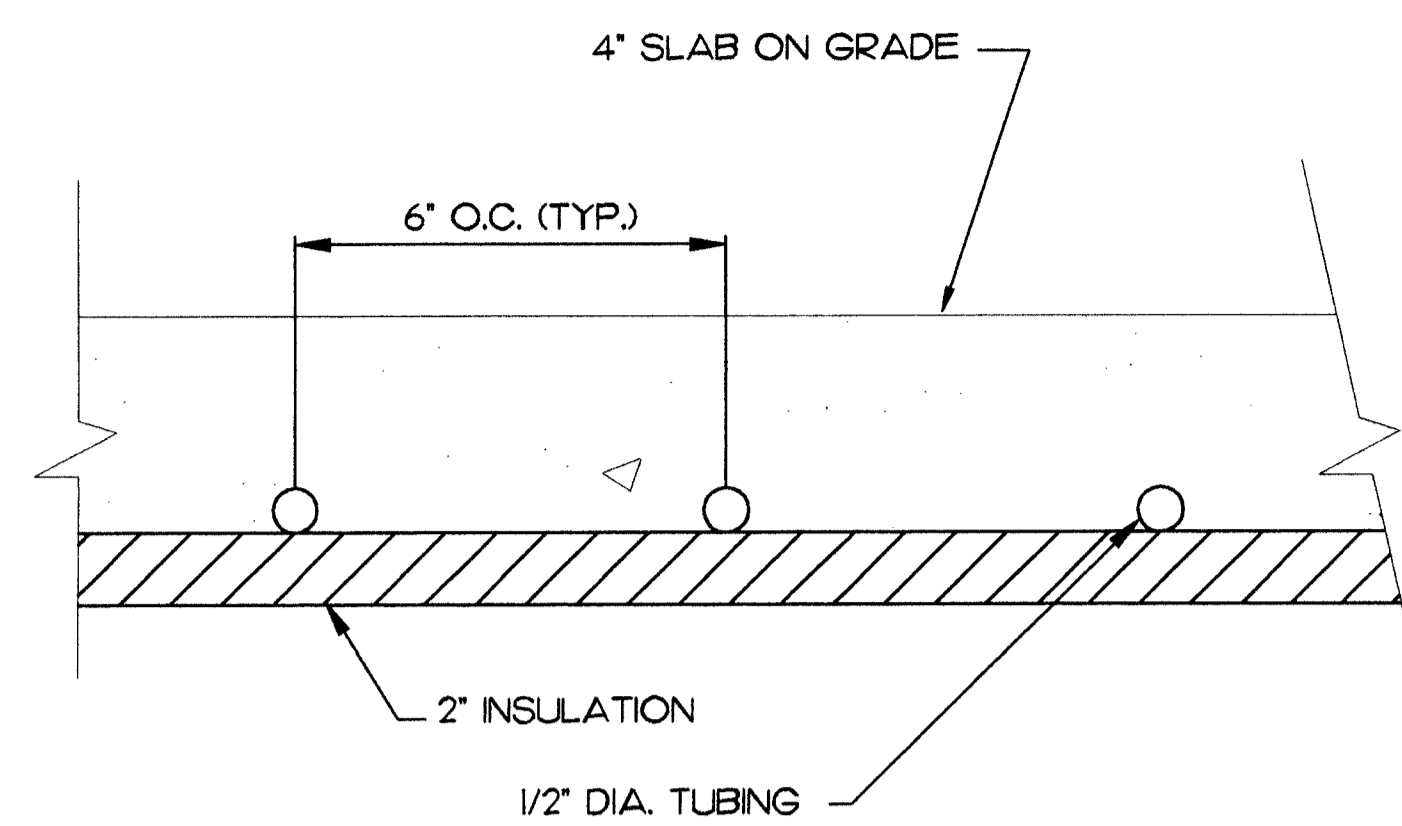
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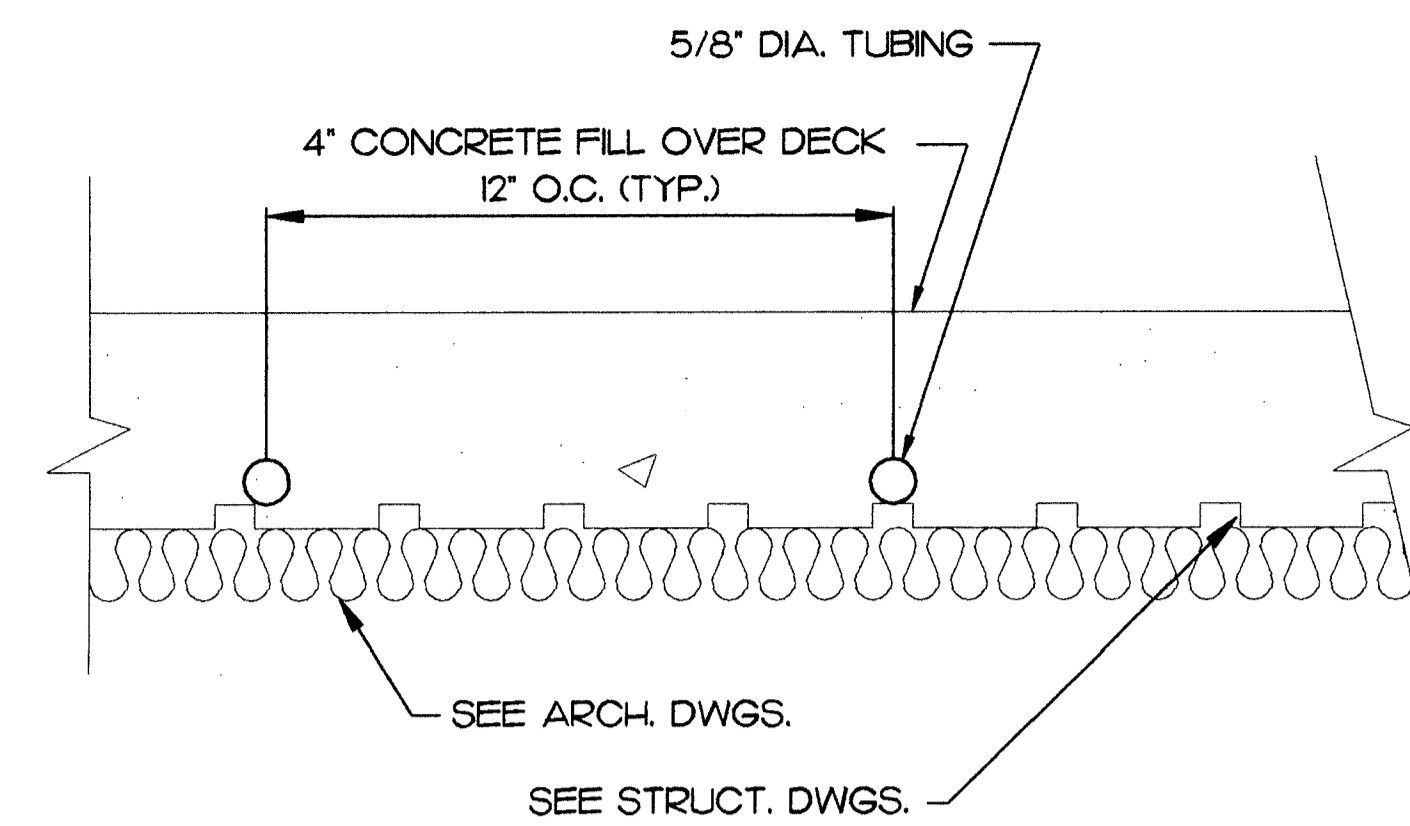
M-8
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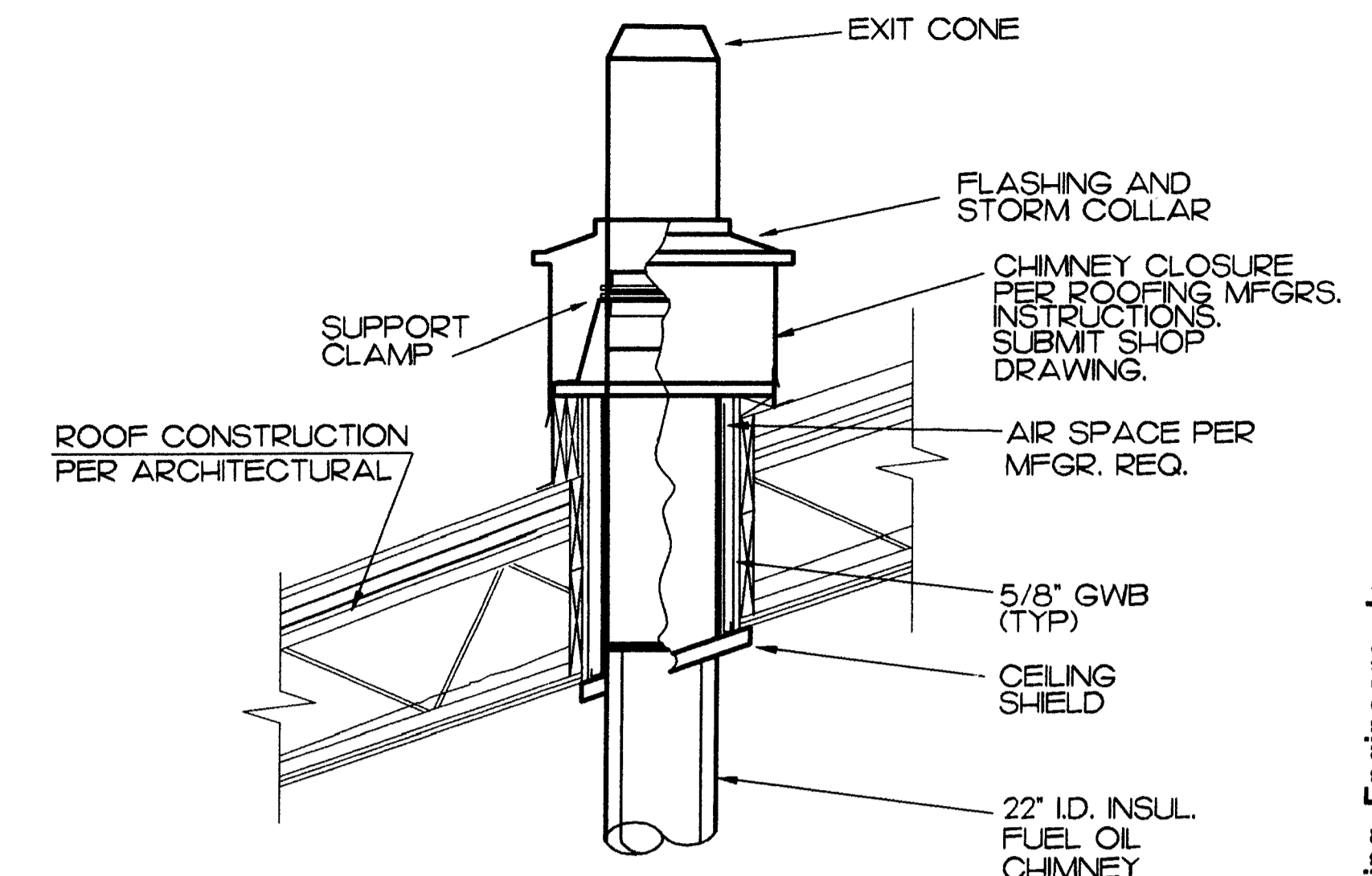
A SNOW MELT TUBING DETAIL
M-9 NO SCALE



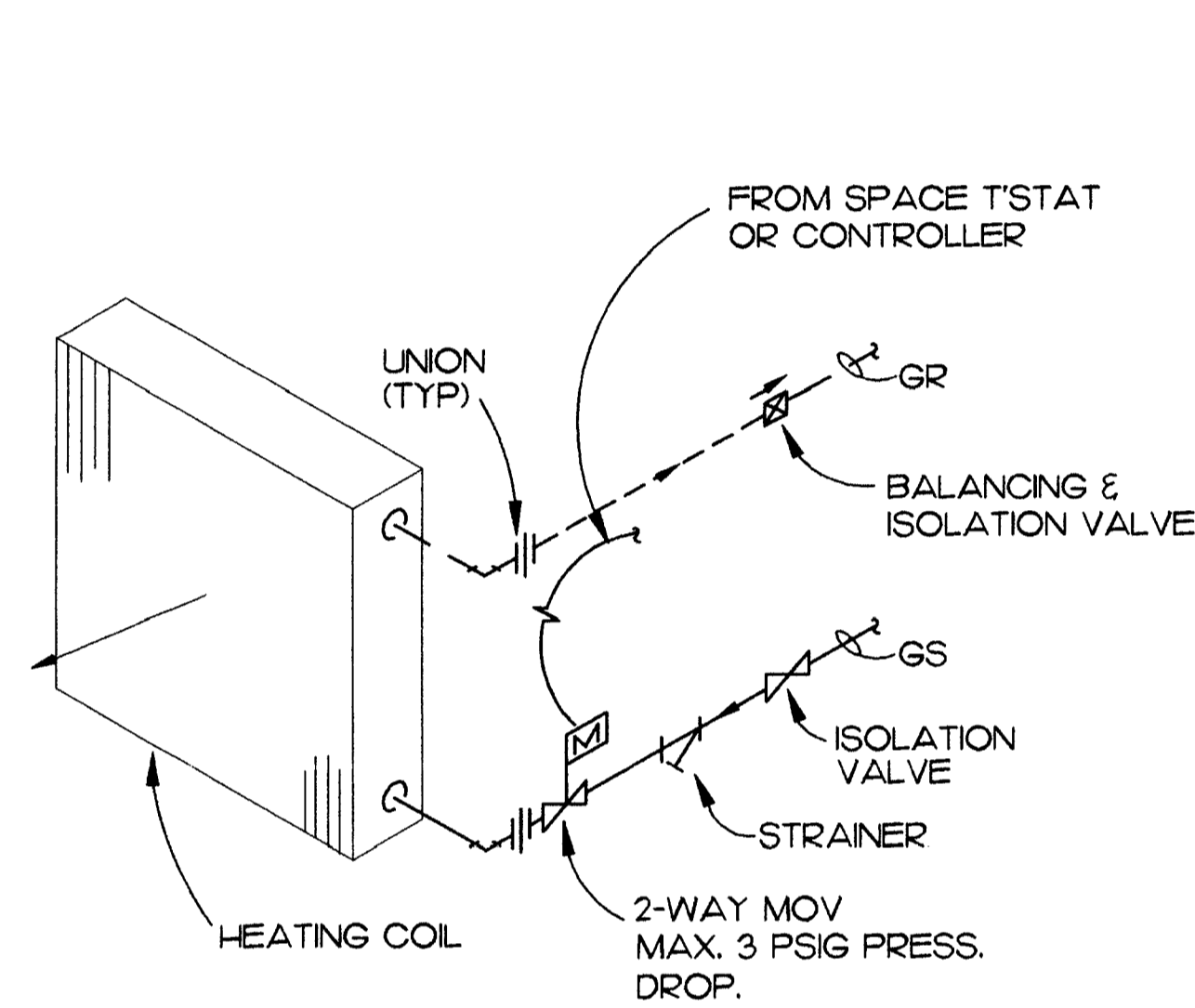
B RADIANT FLOOR DETAIL
M-9 NO SCALE



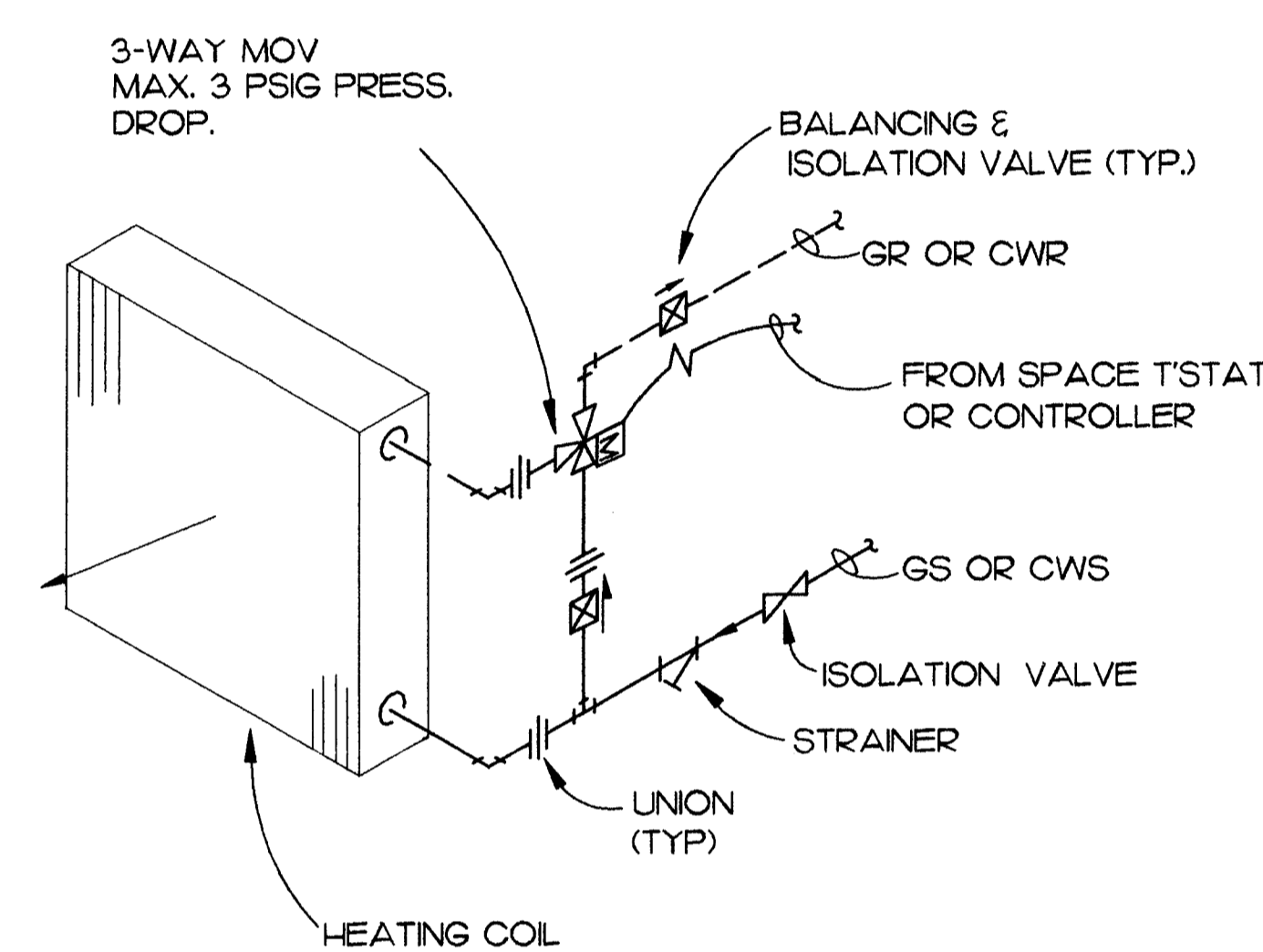
C RADIANT FLOOR DETAIL
M-9 NO SCALE



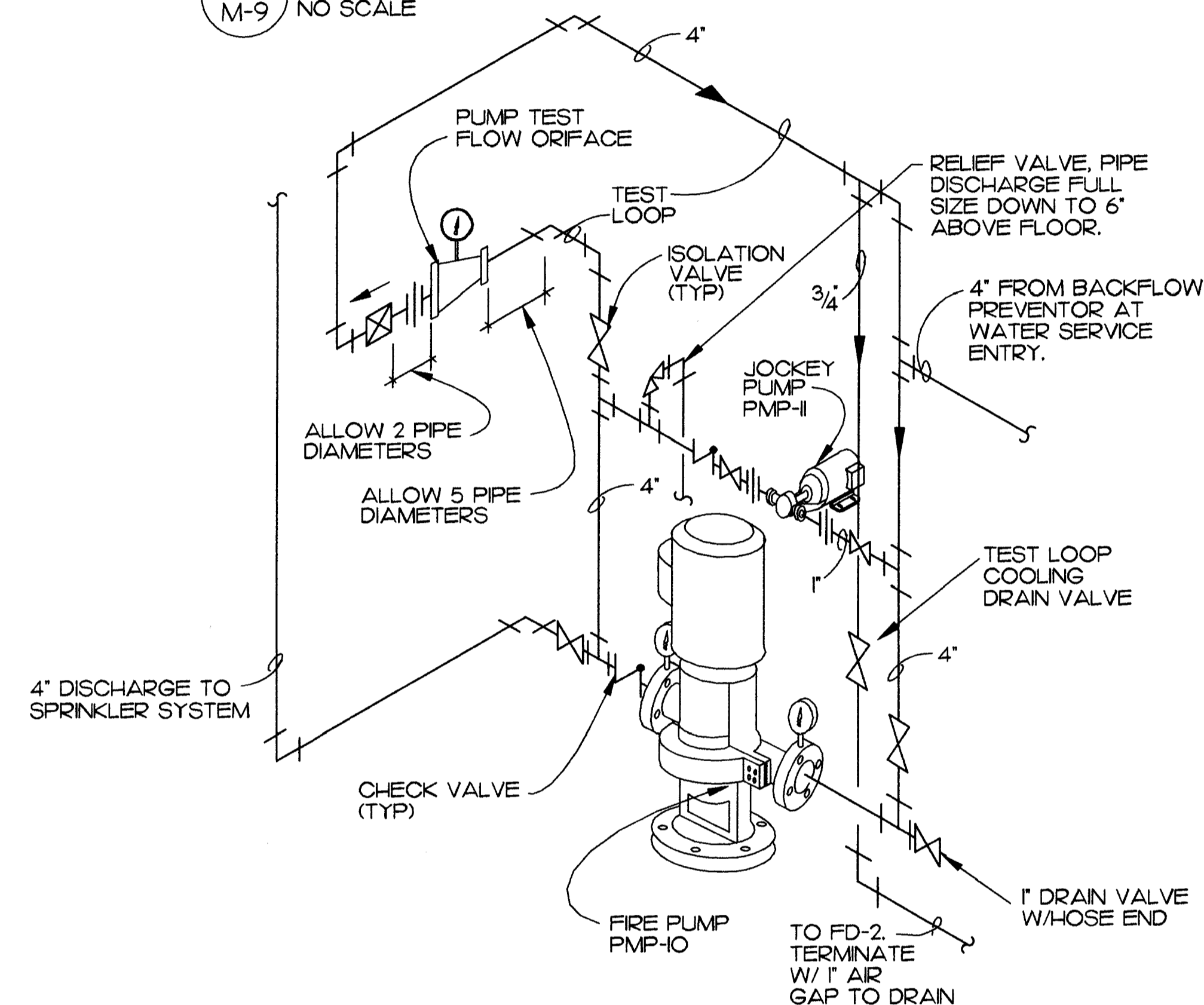
D CHIMNEY DETAIL
M-9 NO SCALE



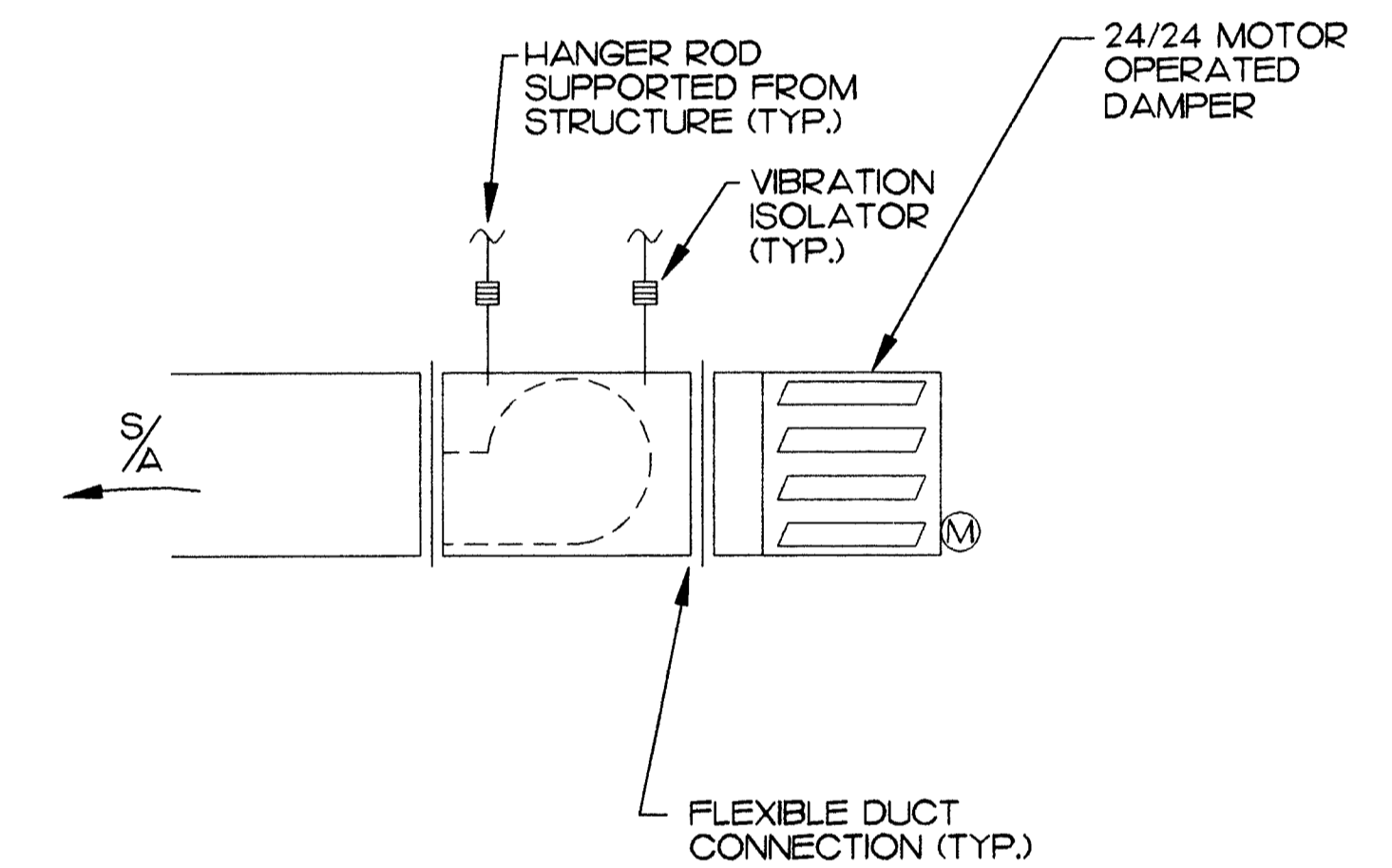
E 2-WAY VALVE COIL DETAIL
M-9 NO SCALE



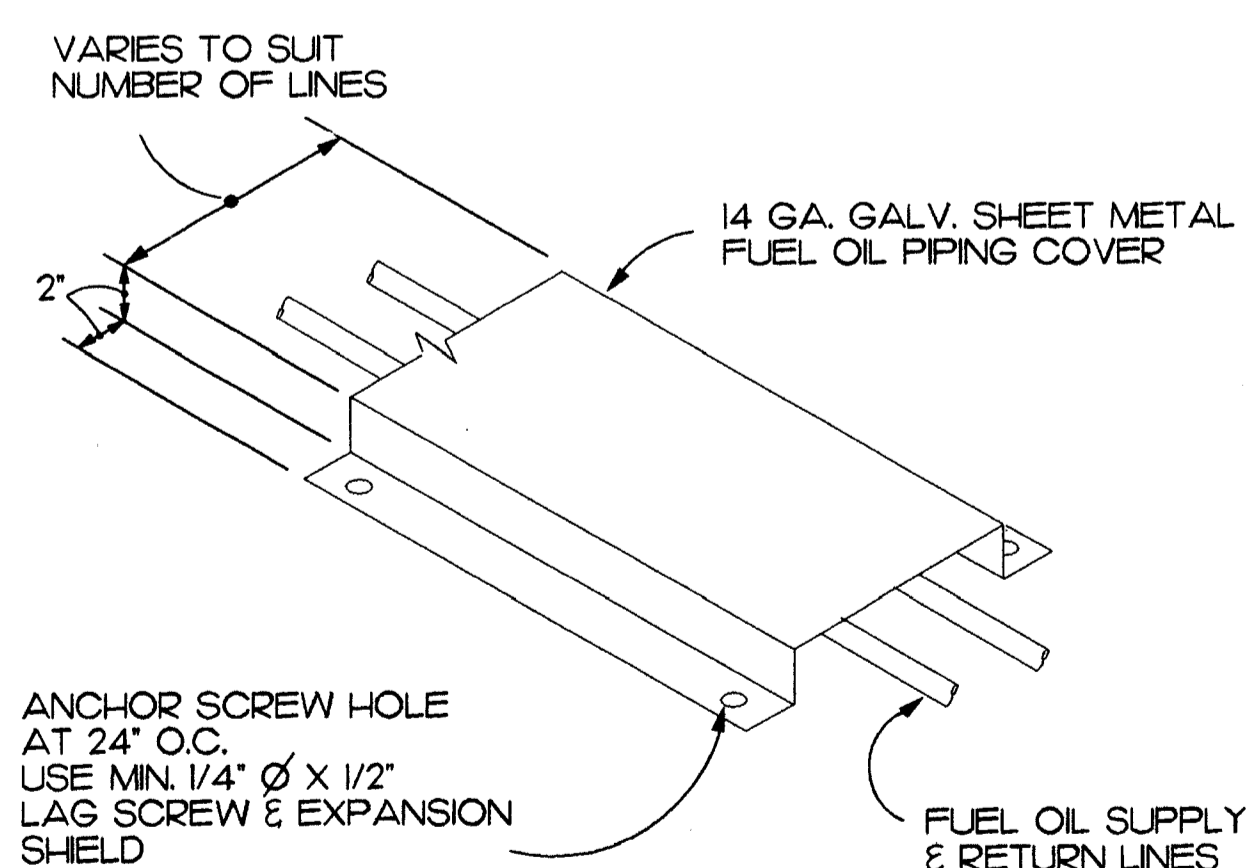
F 3-WAY VALVE COIL DETAIL
M-9 NO SCALE



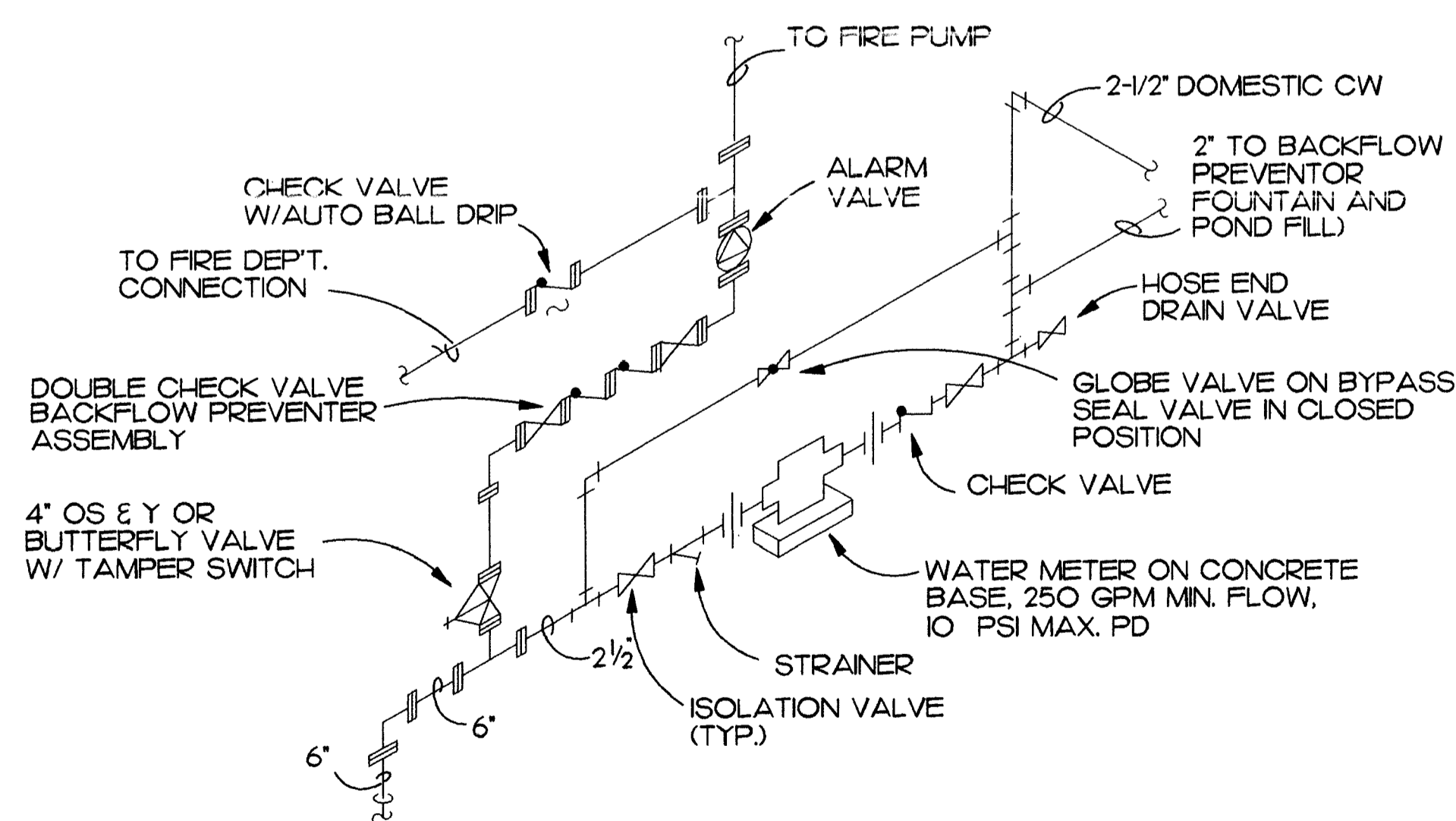
G FIRE PUMP DETAIL
M-9 NO SCALE



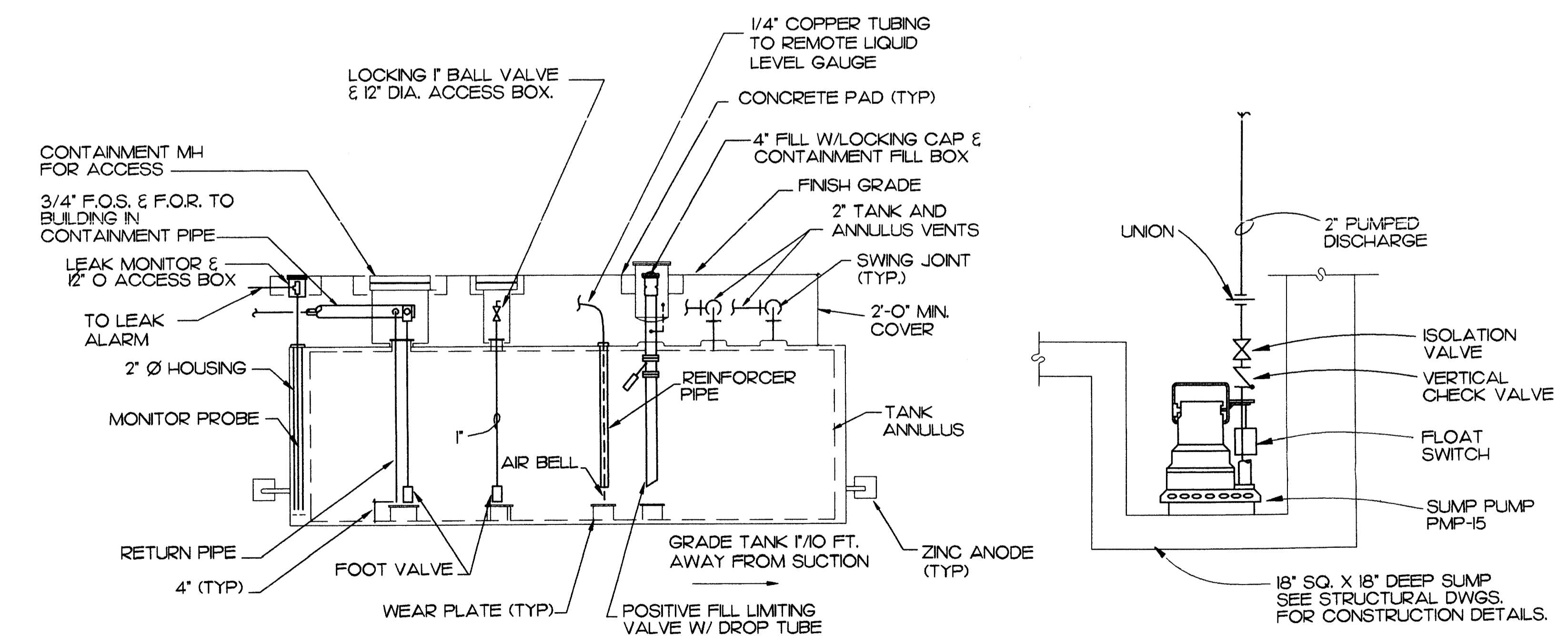
H VF-1 DETAIL (VF-2 SIMILAR)
M-9 NO SCALE



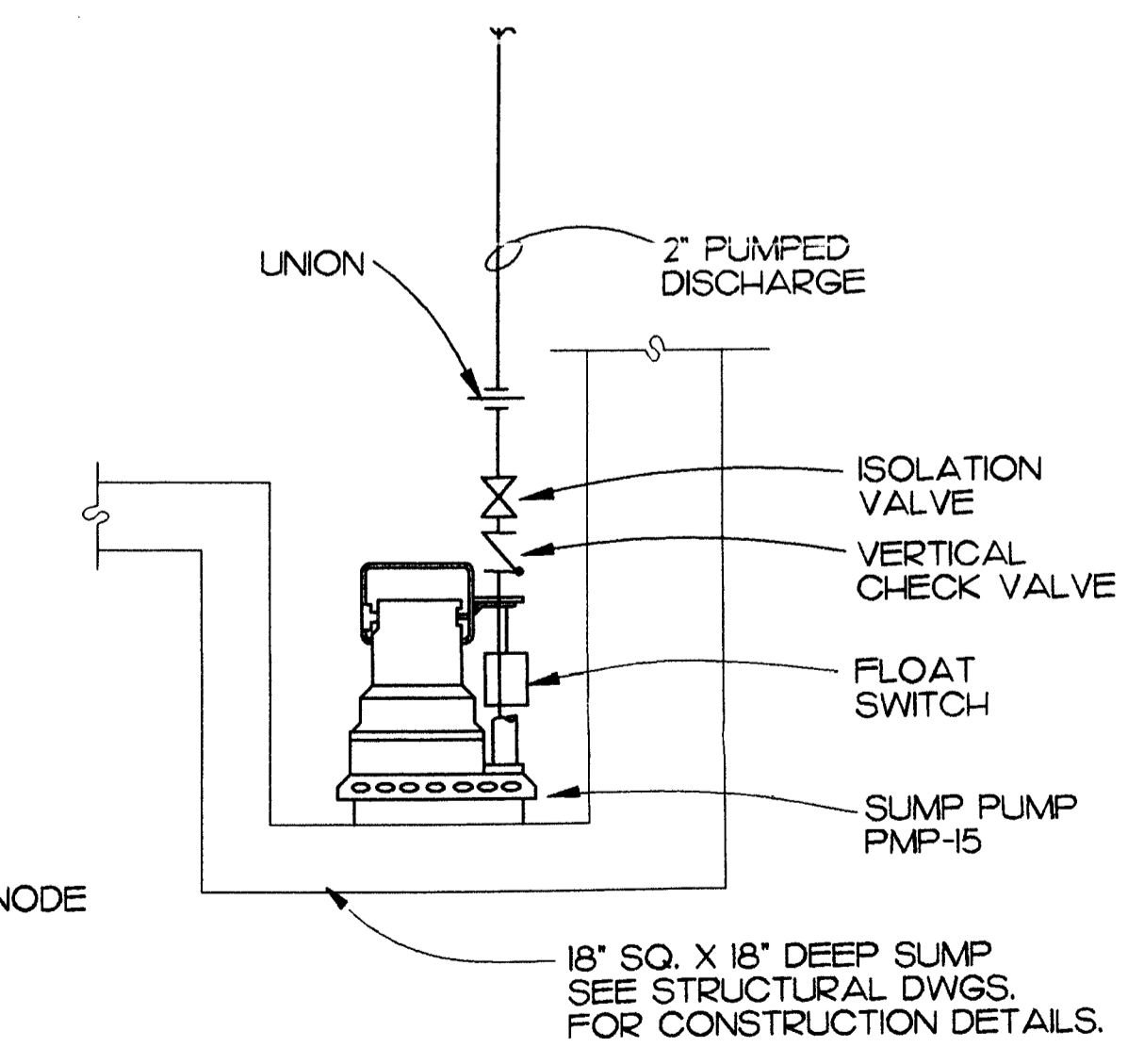
J FUEL LINE COVER DETAIL
M-9 NO SCALE



K WATER SERVICE ENTRY DETAIL
M-9 NO SCALE



L FUEL TANK DETAIL
M-9 NO SCALE



M SUMP PUMP DETAIL
M-9 NO SCALE

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ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
DETAILS

Revisions

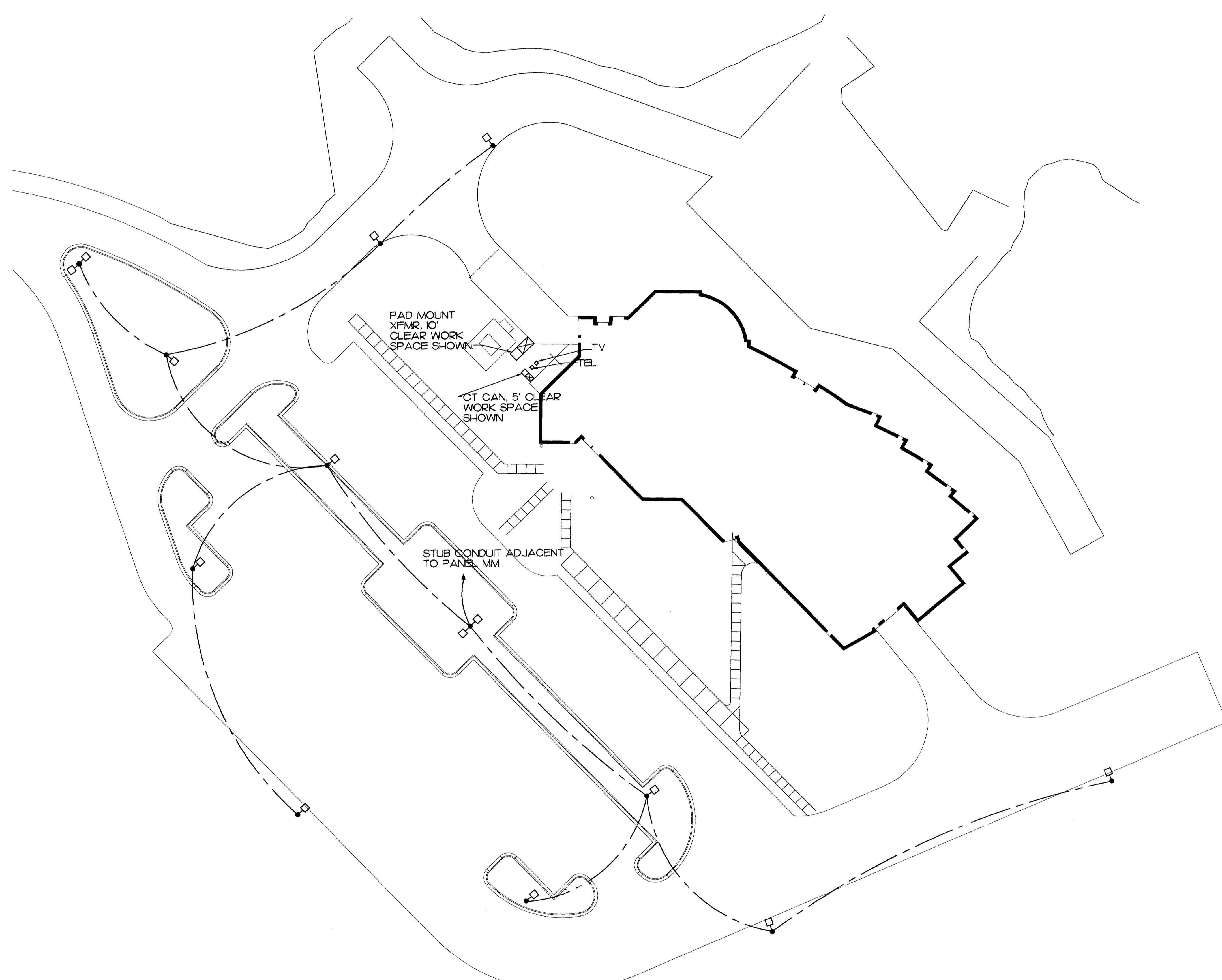
CONFORMED DRAWINGS

Date 04/17/98
Drawn JBM
Checked BSS/ATR
Job No. 95023

Sheet No.

M-9

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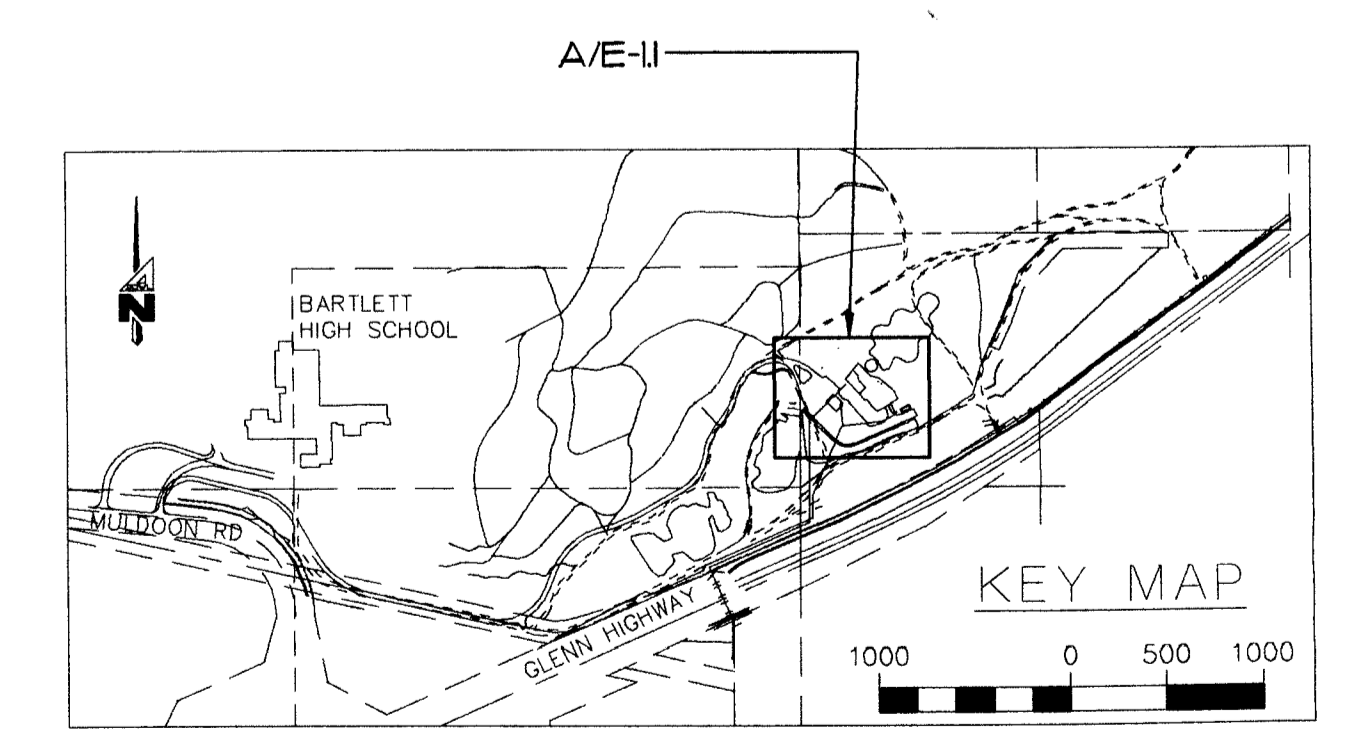
NOTES

1. ALL FIXTURES SHALL BE GE #DSMT40SOAIGMC3DB. POLES SHALL BE DARK BRONZE PAINTED SQUARE STRAIGHT ALUMINUM 30 FOOT MOUNTING HEIGHT.
2. CALCULATED MAINTAINED LIGHTING LEVEL IS 2.7 FC AVE. CALCULATED AVERAGE/MINIMUM UNIFORMITY RATIO IS 3.86. THESE VALUES ARE COMPLIANT WITH THE RECOMMENDATIONS OF THE IESNA, AND MUNICIPAL REGULATIONS.
3. ALL CONDUIT SHALL BE 3/4" RSC.
4. CONDUIT ONLY SHALL BE INSTALLED DURING THIS PHASE. CONDUCTORS SHALL BE INSTALLED DURING SUBSEQUENT PHASE. PROVIDE FULL WIRE IN ALL EMPTY CONDUIT.

PARKING LOT LIGHTING PLAN
 SCALE: 1" = 30'

| LEGEND | | |
|--------|--|--------|
| ABBR. | EXPLANATION | SYMBOL |
| NIC | NOT IN CONTRACT | |
| IGC | IN GENERAL CONSTRUCTION | |
| UON | UNLESS OTHERWISE NOTED | |
| A/100 | LIGHTING FIXTURE DESIGNATION - SEE SCHEDULE | |
| ETR | EXISTING TO REMAIN | |
| N.L. | NIGHT LIGHT | |
| WP | WATERPROOF | |
| E | EMERGENCY LIGHT, CIRCUIT, PANEL | |
| C | CONDUIT, CONCEALED, SIZE AS NOTED (TYP.) | |
| | CONDUIT, UNDERGROUND OR UNDERFLOOR | |
| | CONDUIT, EXPOSED | |
| FLEX | CONDUIT, FLEXIBLE | |
| | MULTI-OUTLET ASSEMBLY-RECEPTACLES AS INDICATED | |
| | HOMERUN TO PANEL/CIRCUITS AS NOTED | |
| | WIRE COUNT OF # 12 UOM/SPECIFIED | |
| | CONDUIT UP | |
| | CONDUIT DOWN | |
| | PANELBOARD - SEE SCHEDULES | |
| | REFER TO INDICATED NOTE | |
| | TELEPHONE RECEPTACLE | |
| | TELEPHONE RECEPTACLE IN FLOOR BOX | |
| | DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE - NEMA 5-20R GFCI TYPE | |
| | ISOLATED GRD DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE IN FLOOR BOX | |
| | RECEPTACLE - NEMA CONFIGURATION AS NOTED | |
| | TELEVISION RECEPTACLE | |
| | JUNCTION BOX | |
| | SINGLE PHASE MOTOR - SIZE AS INDICATED | |
| | THREE PHASE MOTOR - SIZE AS INDICATED | |
| | MOTOR CONTROLLER | |
| | MOTOR DISCONNECT | |
| | COMBINATION STARTER/DISCONNECT | |
| XFMR | TRANSFORMER | |
| SW | SWITCH - SINGLE POLE | |
| | SWITCH - TWO POLE | |
| | SWITCH - THREE WAY | |
| | SWITCH - FOUR WAY | |
| | SWITCH - DIMMING TYPE | |
| | SWITCH - WITH PILOT LIGHT | |
| | SWITCH - THERMAL OVERLOAD | |
| | SWITCH - LOW VOLTAGE | |
| | SWITCH - WITH TIMER | |
| | PHOTOELECTRIC TYPE SMOKE DETECTOR | |
| | IONIZATION TYPE SMOKE DETECTOR | |
| | HEAT DETECTOR - F INDICATES FIXED TEMP ONLY | |
| | RESIDENTIAL TYPE SMOKE DETECTOR | |
| | DUCT MOUNTED SMOKE DETECTOR | |
| | FIRE ALARM HORN/SROBE | |
| | FIRE ALARM STROBE | |
| | WEATHERPROOF FIRE ALARM HORN | |
| | FIRE ALARM MANUAL STATION | |
| FACP | FIRE ALARM CONTROL PANEL | |
| T'STAT | THERMOSTAT | |
| | COMPUTER OUTLET | |
| | PUSHBUTTON SWITCH | |
| TTB/C | TELEPHONE TERMINAL BOARD/CABINET | |
| STBY | STANDBY CIRCUIT | |
| PC | PHOTOCELL | |
| TC | TIMECLOCK | |
| | CLOCK | |
| | COMBINATION CLOCK/SPEAKER | |
| | MAGNETIC DOOR SWITCH | |
| | SECURITY ALARM PANEL | |
| | SOUND/CLOCK CONSOLE | |
| | CALL-IN SWITCH | |
| | SPEAKER ASSEMBLY - CEILING MOUNTED | |
| | WALL MOUNTED SPEAKER ASSEMBLY | |
| | BELL | |
| | COMBINATION SPEAKER/CALL-IN SWITCH | |
| CCTV | CLOSED-CIRCUIT TELEVISION CAMERA | |
| | EXIT SIGN - SELF POWERED | |
| | BATTERY-POWERED EMERGENCY LIGHT | |
| | LIGHTING FIXTURES - VARIOUS TYPES AS NOTED | |
| | SHADING INDICATES EMERGENCY LIGHTING FIXTURE | |
| | DIAGONAL LINE INDICATES STANDBY FIXTURE | |

THIS IS A STANDARD LEGEND, SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.



SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS
 GRAPHIC SCALE: 1" = 30'

Plot Time: 07:34:04
 Plot Date: 04/16/98
 DWG Name: TRACEY:500_L_e1_1.dwg

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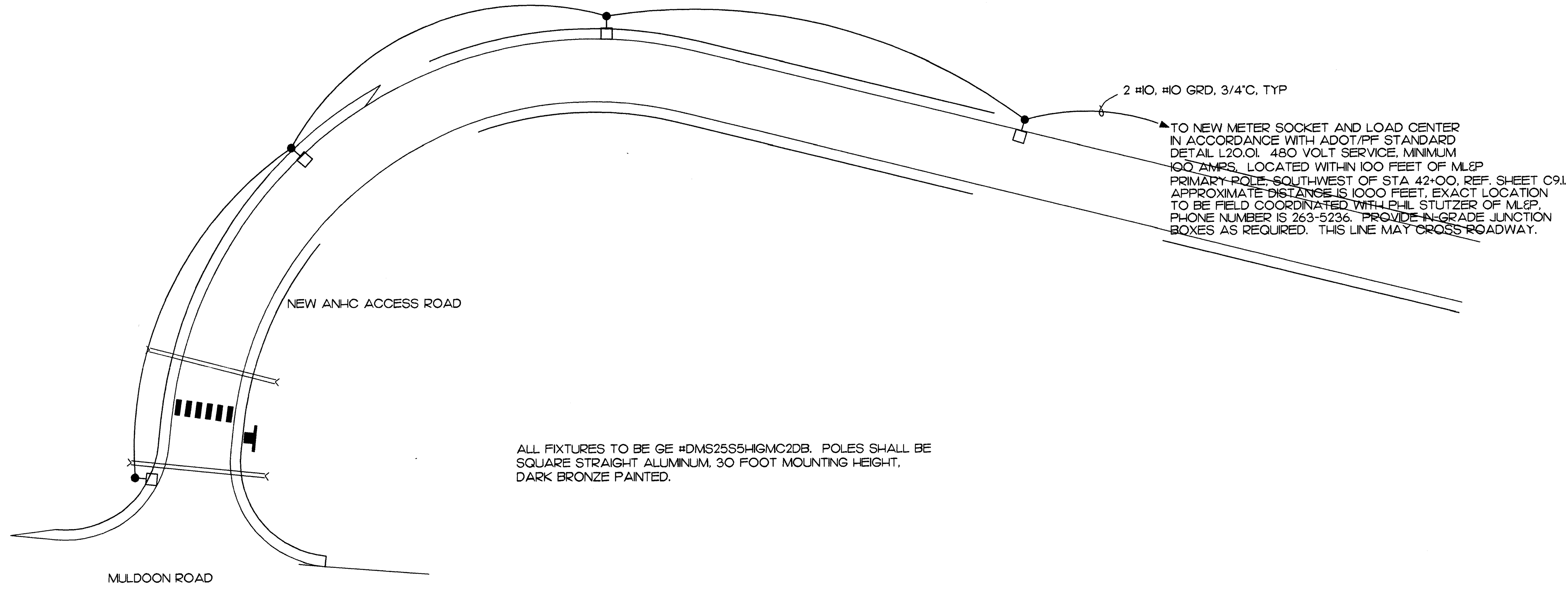
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 PARKING LOT LIGHTING PLAN AND LEGEND

Revisions

CONFORMED DRAWINGS

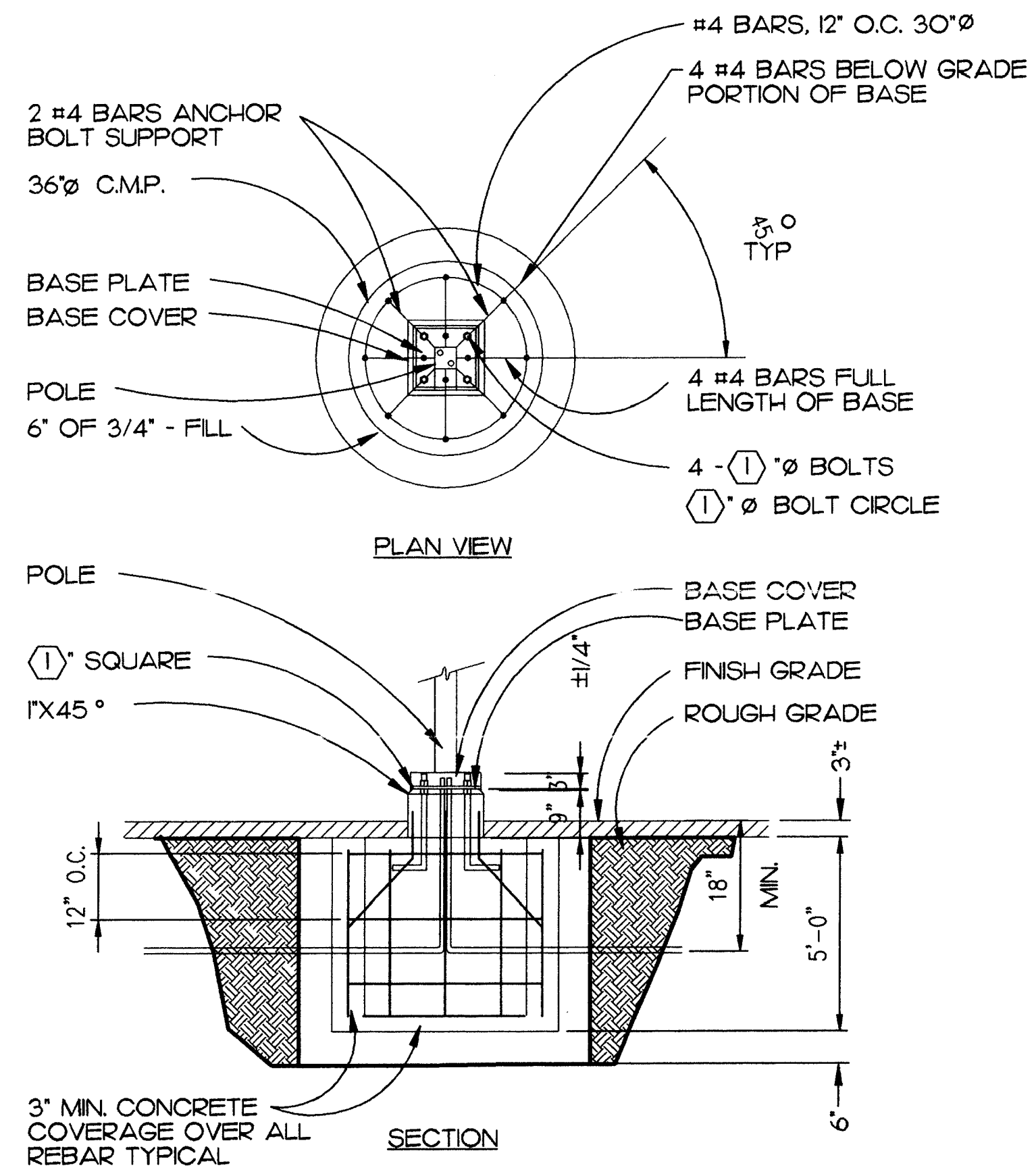
Date: 4/17/98
 Drawn: TLC
 Checked: MJL
 Job No.: 95023

Sheet No.
E-1.1
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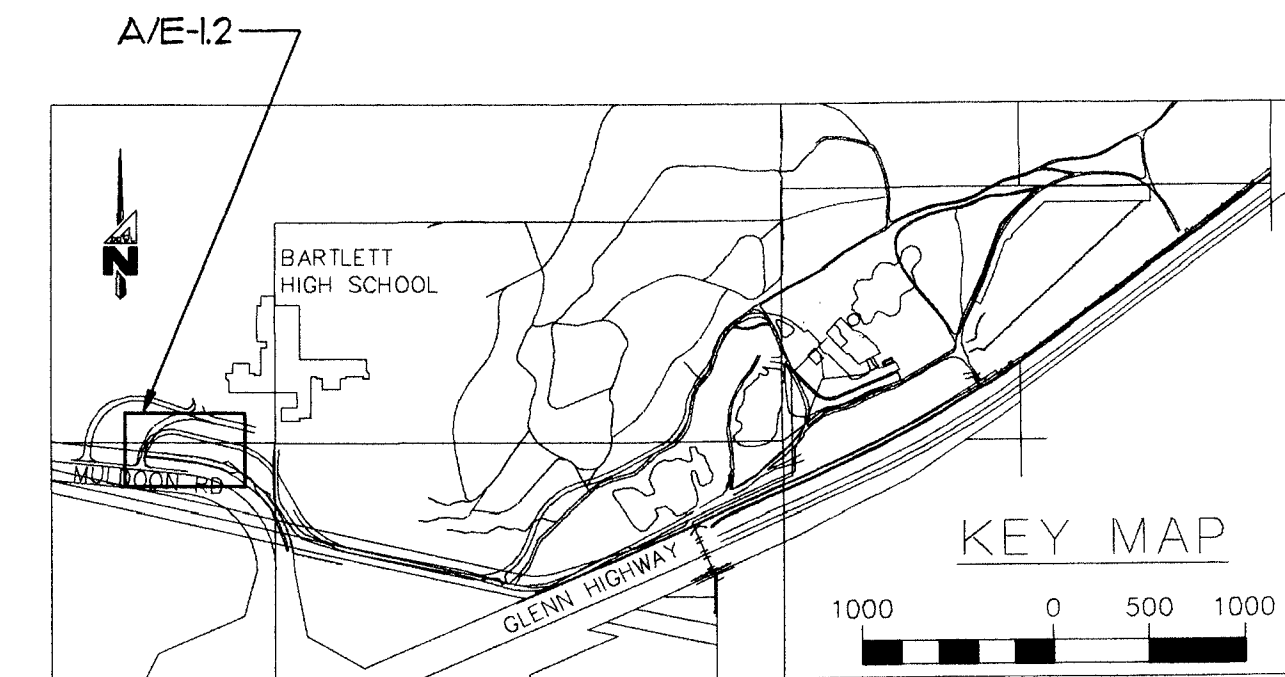
ALL FIXTURES TO BE GE #DMS25S5HGM2DB. POLES SHALL BE SQUARE STRAIGHT ALUMINUM, 30 FOOT MOUNTING HEIGHT, DARK BRONZE PAINTED.

ACCESS DRIVE LIGHTING PLAN
SCALE: 1" = 25'



- NOTE**
1. VERIFY ANCHOR BOLT SIZE, BOLT CIRCLE, AND FOUNDATION SIZE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS. TOP OF FOUNDATION MINIMUM 2' LARGER THAN BASE PLATE.
 2. THIS DETAIL APPLIES TO POLES ALONG ACCESS ROAD AND AT PARKING AREA AS SHOWN ON E-11.

B POLE BASE DETAIL
E-12 NTS



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ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
ACCESS DRIVE LIGHTING DETAILS

Revisions

CONFORMED DRAWINGS

Date: 4/17/98
Drawn: DJM
Checked: REA
Job No.: 95023

Sheet No.

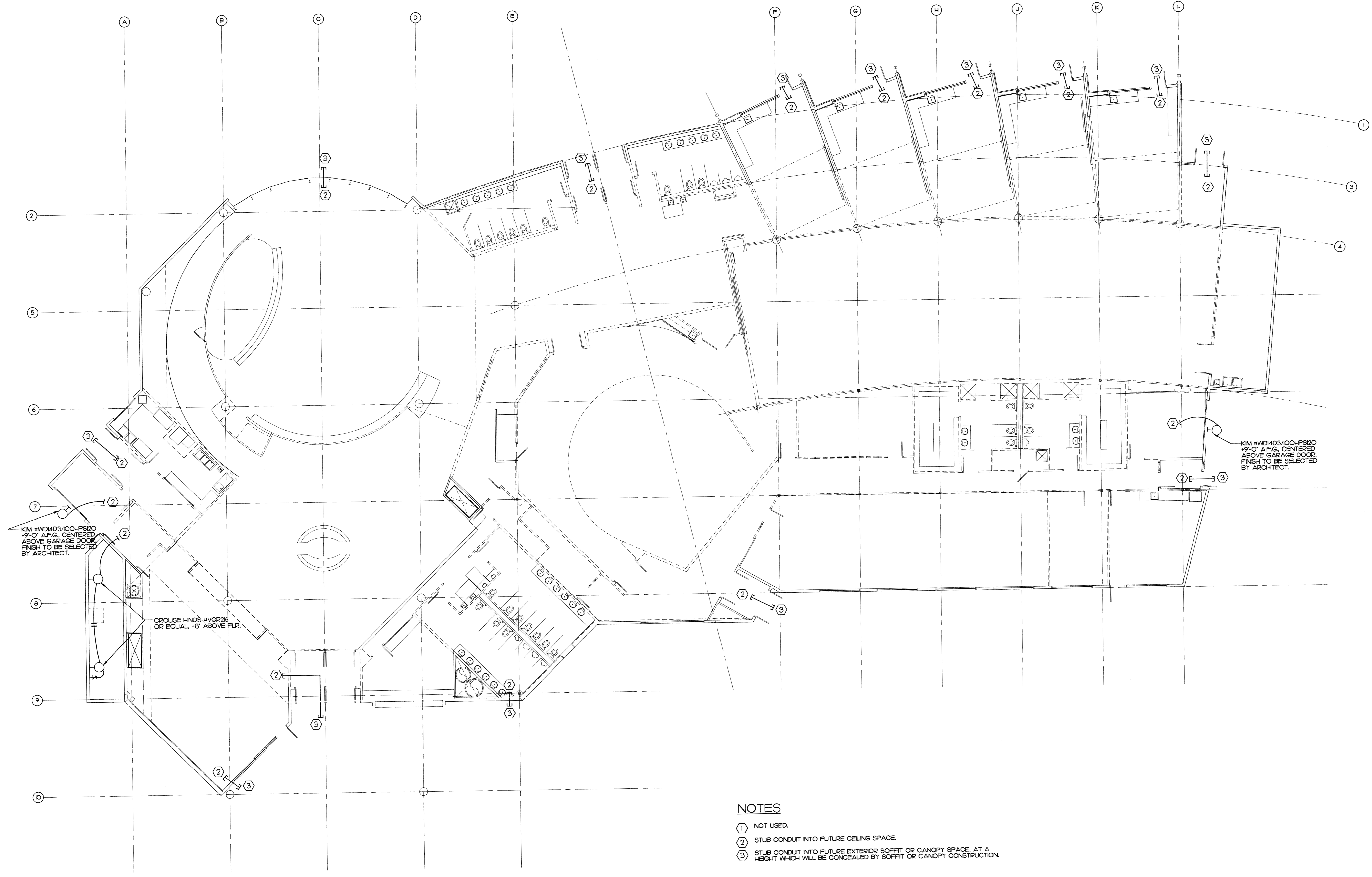
E-1.2

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Shorell Kaula
4/16/98

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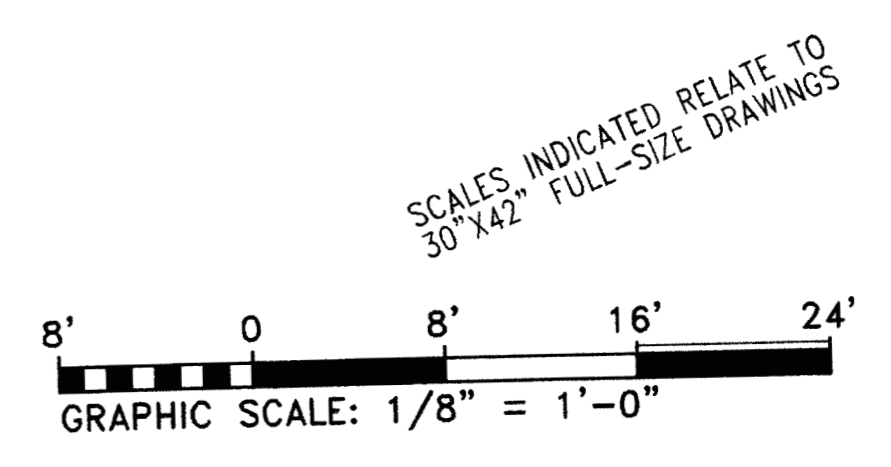
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NOTES

- ① NOT USED.
- ② STUB CONDUIT INTO FUTURE CEILING SPACE.
- ③ STUB CONDUIT INTO FUTURE EXTERIOR SOFFIT OR CANOPY SPACE, AT A HEIGHT WHICH WILL BE CONCEALED BY SOFFIT OR CANOPY CONSTRUCTION.

 **LIGHTING PLAN**
E-2 SCALE: 1/8" = 1'-0"



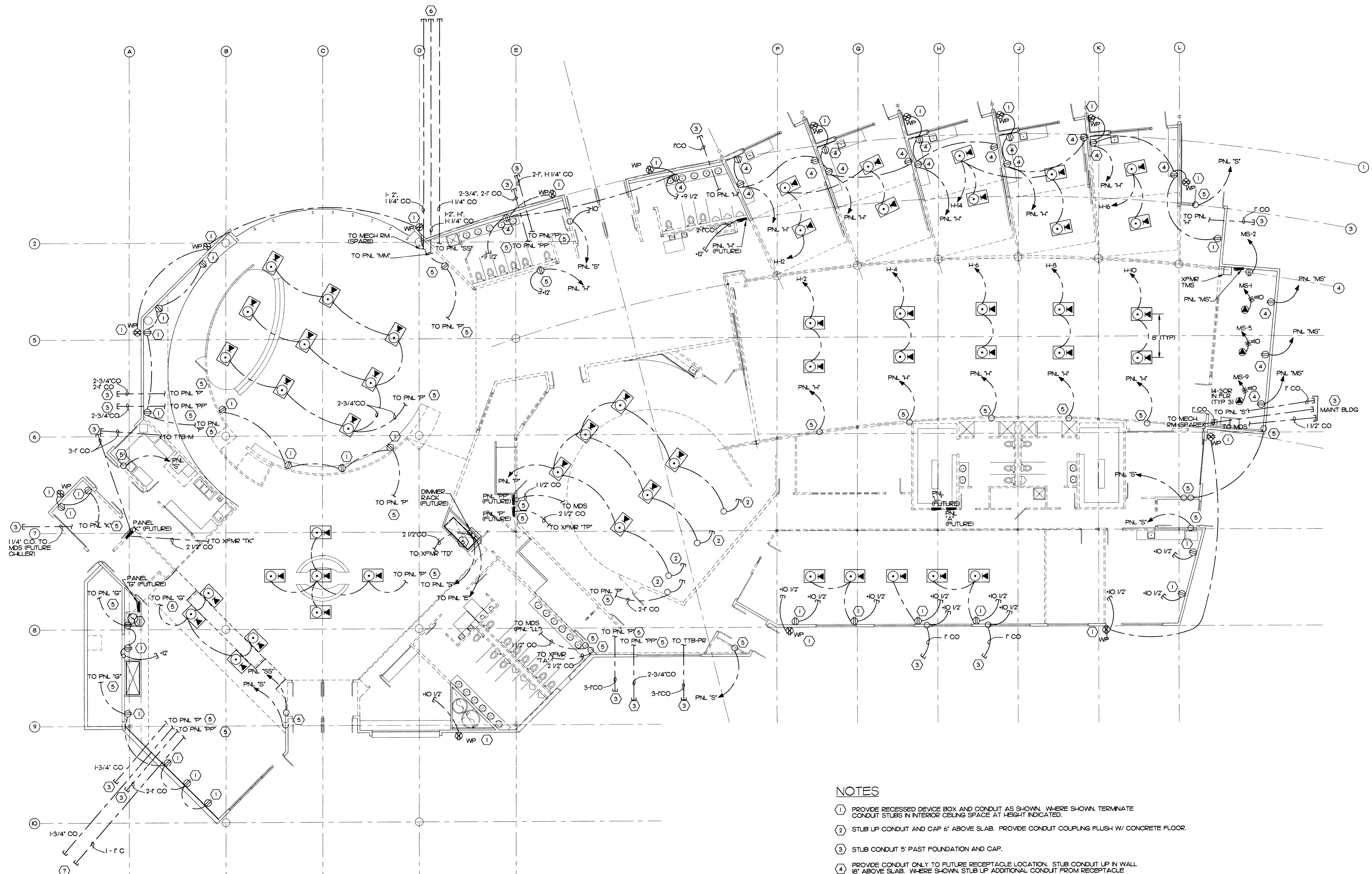
ALASKA NATIVE HERITAGE CENTER
ANHC
ANCHORAGE, ALASKA
LIGHTING PLAN

Revisions

CONFORMED DRAWINGS

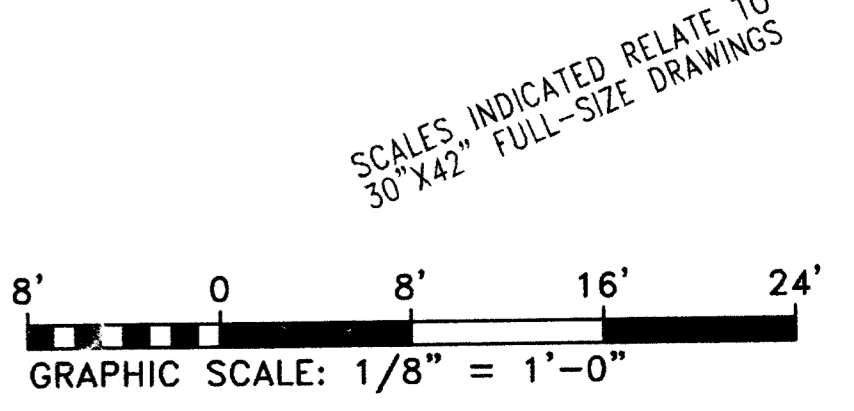
Date: 4/17/98
Drawn: TLC
Checked: DJM
Job No.: 95023

Sheet No.
E-2
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- NOTES**
- 1 PROVIDE RECESSED DEVICE BOX AND CONDUIT AS SHOWN. WHERE SHOWN, TERMINATE CONDUIT STUBS IN INTERIOR CEILING SPACE AT HEIGHT INDICATED.
 - 2 STUB UP CONDUIT AND CAP 6" ABOVE SLAB. PROVIDE CONDUIT COUPLING FLUSH W/ CONCRETE FLOOR.
 - 3 STUB CONDUIT 5' PAST FOUNDATION AND CAP.
 - 4 PROVIDE CONDUIT ONLY TO FUTURE RECEPTACLE LOCATION. STUB CONDUIT UP IN WALL 18" ABOVE SLAB. WHERE SHOWN, STUB UP ADDITIONAL CONDUIT FROM RECEPTACLE LOCATION TO INTERIOR CEILING SPACE AND TERMINATE AT INDICATED HEIGHT.
 - 5 STUB CONDUIT UP AND CAP 12" ABOVE SLAB. CENTER CONDUIT IN FUTURE WALL SPACE. PROVIDE CONDUIT COUPLING FLUSH W/ CONCRETE FLOOR. TYP. FOR HOME RUNS TO FUTURE PANELS.
 - 6 STUB OUT 60" AND CAP ADJACENT TO ROOF DRAIN.
 - 7 STUB OUT 120" AND CAP IN ISLAND ADJACENT TO WATER LINE.

POWER PLAN
 SCALE: 1/8" = 1'-0"



Plot Time: 07:28:28
 Plot Date: 04/16/98
 DWG Name: TRACEY:300L_E3.dwg

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ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 POWER PLAN

Revisions

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Date: 4/17/98
 Drawn: TLC
 Checked: MJL
 Job No.: 95023

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E-3
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Henry D. Beckwith
4/16/98

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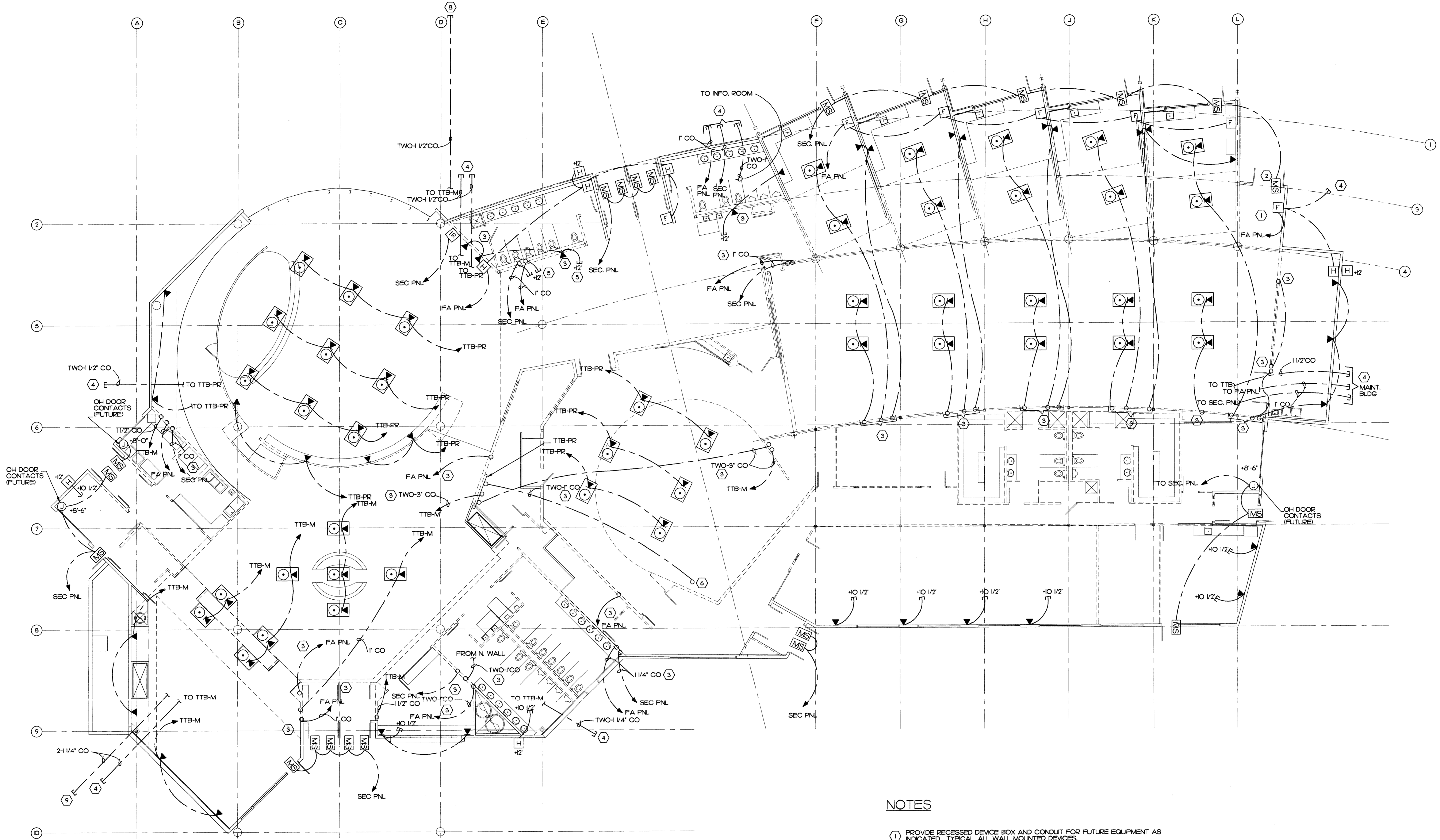
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ALASKA NATIVE HERITAGE CENTER
ANCHORAGE, ALASKA
SPECIAL SYSTEMS PLAN

Revisions

CONFORMED DRAWINGS

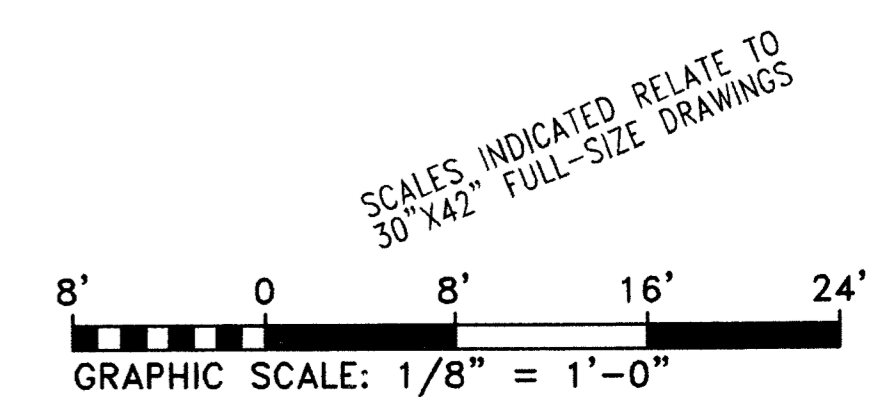
Date: 4/17/98
Drawn: TLC
Checked: MJL
Job No.: 95023
Sheet No.:
E-4
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NOTES

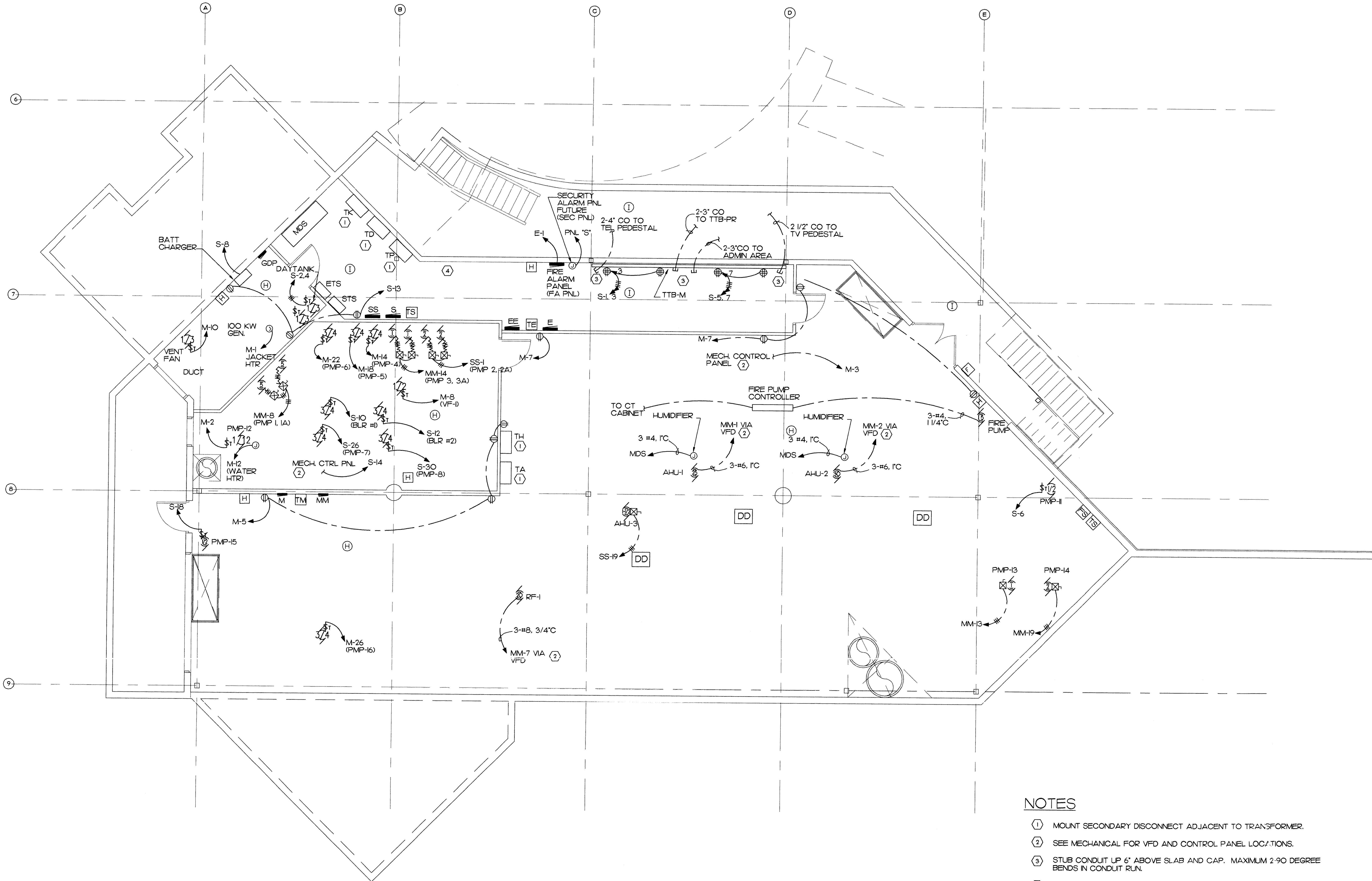
- ① PROVIDE RECESSED DEVICE BOX AND CONDUIT FOR FUTURE EQUIPMENT AS INDICATED. TYPICAL. ALL WALL MOUNTED DEVICES.
- ② PROVIDE CONDUIT TO TOP OF DOOR FRAME, LATCH SIDE OF DOOR. TYPICAL. ALL HINGED DOOR MAGNETIC CONTACT LOCATIONS.
- ③ STUB UP CONDUIT AT FUTURE WALL LOCATION AND CAP 12\"/>

SPECIAL SYSTEM PLAN
SCALE: 1/8" = 1'-0"



Plot Time: 07:34:45
Plot Date: 04/16/98
DWG Name: TBAKEY:5003_E4.dwg

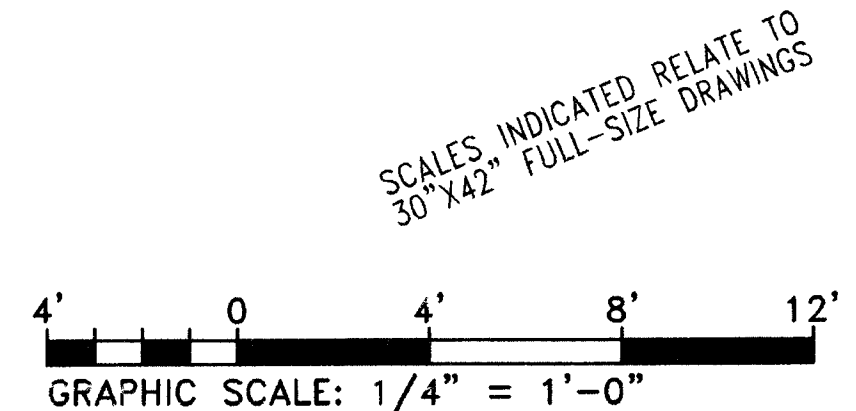
Plot Time: 08:15:07
 Plot Date: 04/16/98
 DWG Name: TRACEY\5003_E5.dwg



MECHANICAL ROOM ELECTRICAL PLAN
 E-5 SCALE: 1/4" = 1'-0"

NOTES

- ① MOUNT SECONDARY DISCONNECT ADJACENT TO TRANSFORMER.
- ② SEE MECHANICAL FOR VFD AND CONTROL PANEL LOCATIONS.
- ③ STUB CONDUIT UP 6" ABOVE SLAB AND CAP. MAXIMUM 2-90 DEGREE BENDS IN CONDUIT RUN.
- ④ TERMINATE SPARE CONDUITS IN THIS AREA. SEE SHEET E-3 FOR SPARE CONDUIT LOCATIONS.



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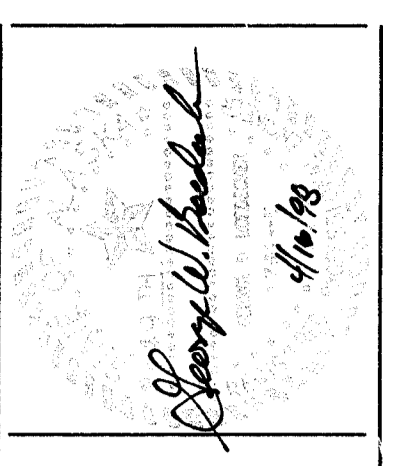
ALASKA NATIVE HERITAGE CENTER
 ANHC
 ANCHORAGE, ALASKA
 MECHANICAL ROOM ELECTRICAL PLAN

| Revisions | |
|-----------|--|
| | |
| | |

CONFORMED DRAWING

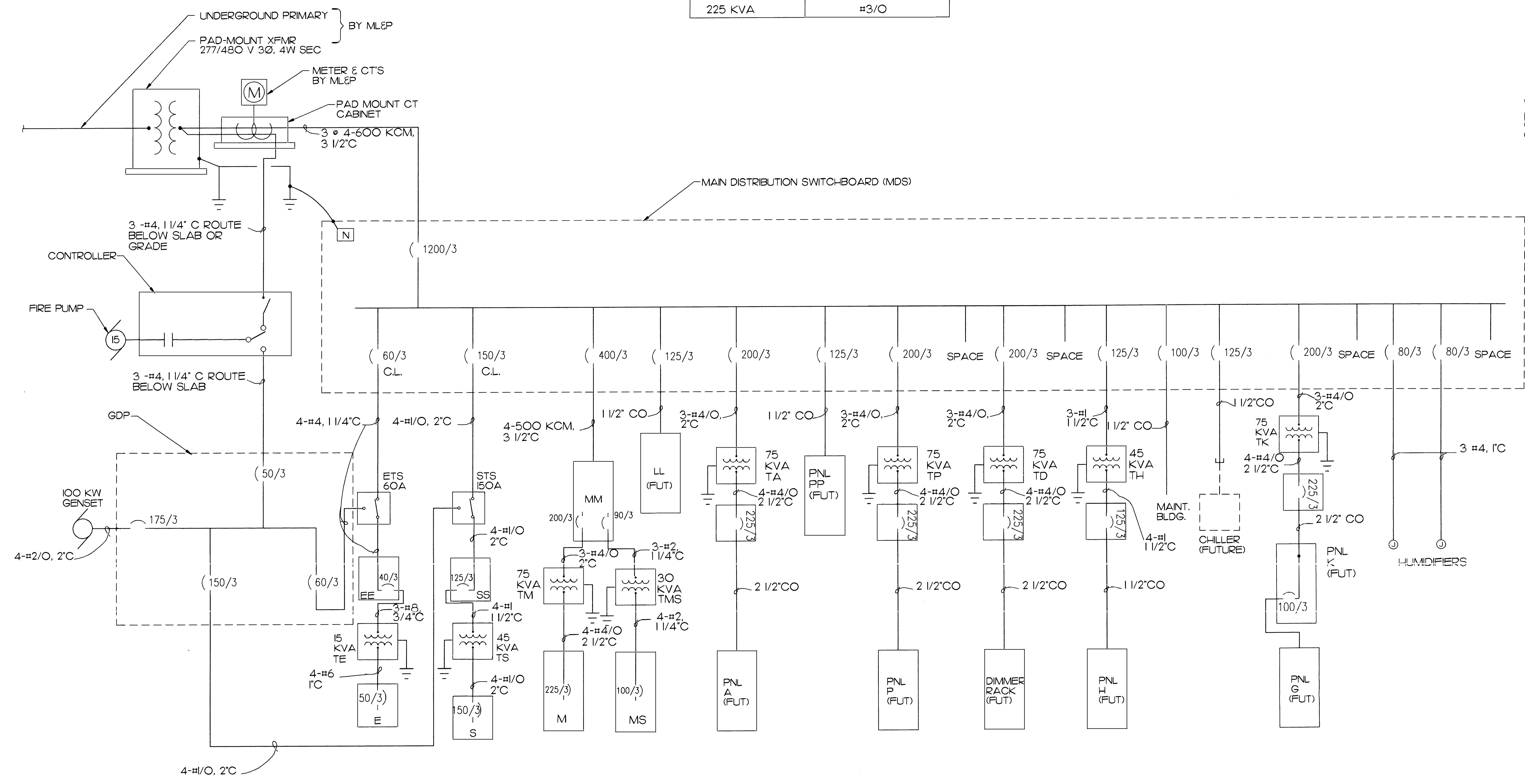
| | |
|-----------|---------|
| Date | 4/17/98 |
| Drawn | TLC |
| Checked | M/L |
| Job No. | 9507* |
| Sheet No. | E-5 |

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| TRANSFORMER GROUNDING CONDUCTOR SCHEDULE | |
|--|--------------------|
| XFMR SIZE | GRD CONDUCTOR SIZE |
| 5 KVA | #8 |
| 30 KVA | #8 |
| 45 KVA | #6 |
| 75 KVA | #2 |
| 112.5 KVA | #1/0 |
| 225 KVA | #3/0 |

LOAD SUMMARY
 CONNECTED: 689 KVA, 827 AMPS
 NEC DEMAND: 645 KVA, 774 AMPS
 DEMAND & CONTINUOUS: 783 KVA, 941 AMPS
 SEE PANEL SCHEDULES FOR ADDITIONAL DETAIL



POWER ONE-LINE DIAGRAM
 E-6 NO SCALE

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 POWER ONE-LINE DIAGRAM

Revisions

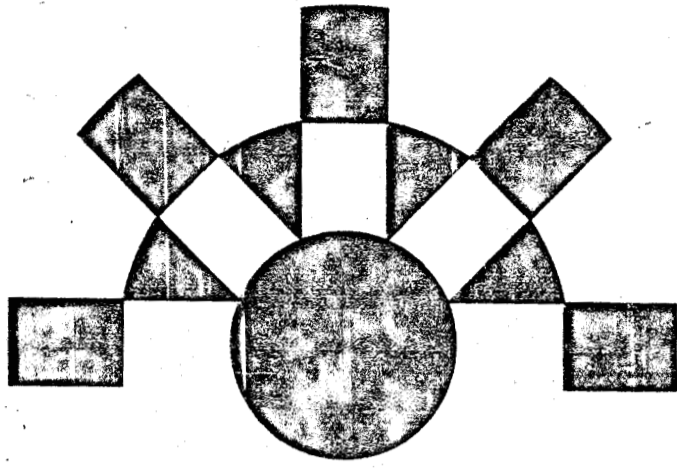
CONFORMED DRAWINGS

Date: 1/7/99
 Drawn: TLC
 Checked: M.J.L.
 Job No.: 95023

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SCALE(S) INDICATED RELATE TO 3" X 42" FULL-SIZE DRAWINGS

Plot Time: 08:15:48
 Plot Date: 04/16/98
 DWG Name: TRACEY-5003_E6.dwg



ALASKA NATIVE HERITAGE CENTER

ALASKA NATIVE HERITAGE CENTER ANCHORAGE, ALASKA Phase III - Finish Design

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| | | | | | |
|---|--|--|--|--|---|
| CIVIL ENGINEERS DOWL ENGINEERS 4040 "B" Street Anchorage, Alaska 99503 | STRUCTURAL ENGINEERS ANDERSEN BJORNSTAD KANE JACOBS, INC. 1400 West Benson Boulevard, Suite 500 Anchorage, Alaska 99503 | MECHANICAL & ELECTRICAL ENGINEERS MBA CONSULTING ENGINEERS, INC. 3812 Spenard Road, Suite 200 Anchorage, Alaska 99517 | INTERIOR DESIGN INTERIOR SPACE DESIGN 400 D Street, Suite 300 Anchorage, Alaska 99501 | LIGHTING SPECTRUM DESIGN 2701 Kobuk Court Anchorage, Alaska 99508 | COST ESTIMATION HMS, INC. 4103 Minnesota Drive Anchorage, Alaska 99501 |
|---|--|--|--|--|---|

COPY
COPY

Project Description

A CULTURAL FACILITY FOR THE DISPLAY OF EXHIBITS AND ART ASSOCIATED WITH THE ALASKA NATIVE CULTURES, AND THE ASSEMBLY OF PEOPLE TO PARTICIPATE IN CULTURAL AND EDUCATIONAL ACTIVITIES. THE USE INCLUDES AREAS FOR THE EXECUTION AND EXHIBITION OF NATIVE ARTIFACTS, MEETING AREAS FOR PERFORMANCE AND EDUCATION, AND ANCILLARY AREAS FOR ADMINISTRATION, GIFT SALES, A COFFEE SHOP, AND TOILETS, MECHANICAL SPACES, ETC.

THE BUILDING IS APPROXIMATELY 28,000 SQUARE FEET IN AREA. CONSTRUCTION IS WOOD FRAMING WITH CONCRETE SLAB ON GRADE AND CONCRETE FOUNDATION WALLS. THE BUILDING IS SPLIT LEVEL WITH THE MECHANICAL ROOM LOCATED BELOW THE UPPER LEVEL.

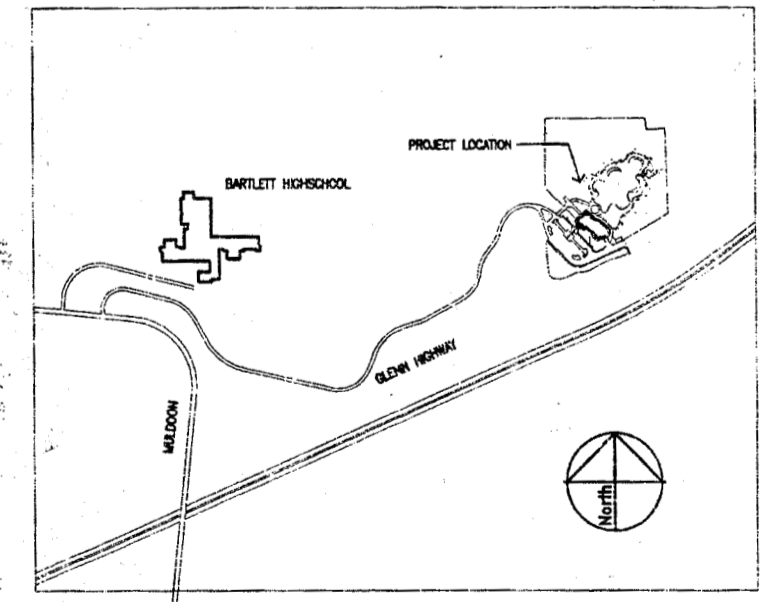
THE BUILDING SITS ON AN APPROXIMATELY 14 ACRE SITE. SITE WORK INCLUDES CONSTRUCTION OF A POND, MAINTENANCE BUILDING, PUMP HOUSE, AND ASPHALT PARKING LOT. THE POND WILL BE SURROUNDED BY A PERIMETER TRAIL THAT WILL CONNECT FIVE GRAVEL PADS THAT WILL BE USED FOR THE RECONSTRUCTION OF ALASKA NATIVE VILLAGES EXHIBITS.

THESE DOCUMENTS DESCRIBE PHASE III OF THE CONSTRUCTION.

Legal Description

TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, ALASKA.

Project Location



Code Analysis

THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1994 UNIFORM BUILDING CODE AND UNIFORM FIRE CODE AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE AND THE STATE OF ALASKA.

ACCESSIBILITY FOR THE DISABLED HAS BEEN PROVIDED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES FOR BUILDINGS AND FACILITIES.

OCCUPANCY CLASSIFICATION

| | |
|---|-------------------|
| LOBBY, GATHERING PLACE, EXHIBIT/STUDIOS, CROSSROADS | A2.1 |
| THEATER | A3 |
| GIFTSHOP | M |
| ADMIN./ STAFF | B - LESS THAN 25% |
| MECHANICAL | S2 |

CONSTRUCTION TYPE

| |
|----------------|
| TYPE V. 1 HOUR |
|----------------|

FIRE PROTECTION

| | |
|------------|-------------------|
| SPRINKLER: | FULLY SPRINKLERED |
|------------|-------------------|

RATED ELEMENTS AND ASSEMBLIES:

| |
|---|
| 1 HOUR OCCUPANCY SEPARATION AT BOILER AND GENERATOR ROOMS |
| 1 HOUR OCCUPANCY SEPARATION AT GIFTSHOP |
| 1 HOUR PROTECTION OF ALL PRIMARY STRUCTURAL MEMBERS |
| 1 HOUR PROTECTION OF ALL EXTERIOR WALLS |
| 1 HOUR PROTECTION OF ALL PERMANENT INTERIOR PARTITIONS |
| 1 HOUR ROOF/CEILING ASSEMBLY |
| 1 HOUR FLOOR/CEILING ASSEMBLY |
| 1 HOUR CORRIDOR AT ADMINISTRATION AREA |

ALLOWABLE BUILDING AREA:

| | |
|---------------------------------|-----------|
| BASIC ALLOWABLE: | 10,500 SF |
| SEPERATION ON FOUR SIDES: | 10,500 SF |
| INCREASE FOR FULLY SPRINKLERED: | x2 |
| TOTAL ALLOWABLE: | 42,000 SF |

ACTUAL BUILDING AREA:

| | |
|----------------------------|-----------|
| FIRST FLOOR: | 23,800 SF |
| SUB-GRADE MECHANICAL ROOM: | 4,400 SF |
| TOTAL AREA: | 28,200 SF |

ALLOWABLE BUILDING HEIGHT: TWO STORIES

ACTUAL HEIGHT: ONE STORY

OCCUPANT LOAD:

| FUNCTION | AREA (SF) | O.F. | OCCUPANT LOAD | EXITS REQ'D |
|--------------------|-----------|------|---------------|-------------|
| LOBBY | 2000 | 15 | 133 | 2 |
| GIFTSHOP | 1050 | 30 | 35 | 1 |
| GATHERING PLACE | 2500 | 15 | 187 | 2 |
| CROSSROADS | 1075 | 7 | 154 | 2 |
| THEATER | 640 | 15 | 103 | 2 |
| EXHIBIT AREA | 450 | 15 | 297 | 2 |
| STUDIO SPACES (S) | 1400 | 15 | 90 | 1 EA. |
| ADMIN./ STAFF | 2535 | 100 | 25 | 1 EA. |
| SUPPORT | 3300 | - | - | - |
| MECHANICAL | 3780 | 300 | 13 | 2 |
| WALLS, CIRCULATION | 4440 | - | - | - |
| TOTAL | 28,200 | - | 1017 | - |

TRAVEL DISTANCE:
MAXIMUM TRAVEL DISTANCE TO EXITS IS LESS THAN 200 FEET.

PARKING REQUIREMENTS:
IN TERMS OF THE MUNICIPAL CODE TITLE 21, SECTION 21.45.080 F, AND THE UBC THE PROPOSED USE FOR THE PURPOSES OF PARKING SPACE CALCULATION IS MOST SIMILAR TO AN ASSEMBLY SPACE, LESS CONCENTRATED USE (EXHIBIT ROOMS) AND OFFICES.

MINIMUM OFF STREET PARKING REQUIREMENTS FOR THESE USES ARE ONE PARKING SPACE FOR EVERY FOUR SEATS IN THE PRINCIPAL ASSEMBLY ROOM(S), AND ONE SPACE FOR EVERY 300 SF OF OFFICE/ RETAIL AREA.

PARKING SPACES REQUIRED:

| | |
|---|------------------------|
| PRINCIPAL ASSEMBLY SPACES - (GATHERING PLACE, THEATER, EXHIBIT AREA, LOBBY) | 10490 SF/15/4 = 174.83 |
| OFFICE/RETAIL - (GIFTSHOP, ADMIN./STAFF, STUDIOS) | 4935 SF/300 = 16.45 |
| TOTAL | 191.28 |

PARKING PROVIDED: 192 SPACES

DESIGN CRITERIA:

| | |
|---------------------|-----------------|
| WIND SPEED: | 100 MPH |
| WIND EXPOSURE | B |
| SEISMIC ZONE | 4 |
| ROOF CLASSIFICATION | CLASS B ROOFING |

NOTE: FOR MAINTENANCE BUILDING CODE ANALYSIS SEE SHEET IA7.1.

Project General Notes:

- ALL WORK SHALL CONFORM TO THE CURRENT EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE UNIFORM BUILDING AND PLUMBING CODES AND OTHER STANDARDS AND AMENDMENTS AS ADOPTED BY THE MUNICIPALITY OF ANCHORAGE, ALASKA AS OF THE DATE OF THESE DOCUMENTS. WORK MUST ALSO CONFORM TO ACCESSIBILITY GUIDELINES IDENTIFIED BY THE AMERICANS WITH DISABILITIES ACT (ADAAG).
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AT THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- DRAWINGS SCALES THAT ARE INDICATED RELATE TO FULL SIZED DRAWINGS (30 X 42 INCHES). SCALES WHICH APPEAR ON THE DRAWINGS OTHER THAN FULL SIZE SHOULD BE PROPORTIONALLY ADJUSTED.
- CONTRACT DOCUMENTS INDICATE FINAL CONDITIONS. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION AND NEW WORK REQUIRED TO PRODUCE THE FINAL CONDITIONS SHOWN.
- FINISH DESIGN INFORMATION PROVIDED BY THESE DOCUMENTS IS SUBSTANTIALLY COMPLETE, BUT NOT FINAL, AND IS FOR THE PURPOSE OF CONTRACTOR PRICING AND FOR BUILDING PERMIT SUBMITTAL. THE CONTRACTOR SHALL PARTICIPATE WITH THE OWNER AND ARCHITECT IN COMPLETING ALL DESIGN INFORMATION NECESSARY TO CONSTRUCT THE WORK.

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| IC2.1 | SITE GRADING PLAN |
| IC2.2 | SITE GRADING PLAN |
| IC3.1 | SITE SECTIONS AND DETAILS |
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| IL1 | SHEET LAYOUT |
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| IA1.2 | MECHANICAL ROOM & RAISED FLOOR FRAMING PLANS |
| IA1.3 | REFLECTED CEILING PLAN |
| IA1.4 | MECHANICAL ROOM REFLECTED CEILING PLAN |
| IA2.1 | OPENING SCHEDULES, DOOR AND WINDOW TYPES |
| IA2.2 | FINISH SCHEDULE |
| IA3.1 | EXTERIOR ELEVATIONS |
| IA4.1 | BUILDING SECTIONS |
| IA4.2 | WALL SECTIONS |
| IA5.1 | ENLARGED TOILET ROOM PLANS |
| IA5.2 | ENLARGED PLANS & INTERIOR ELEVATIONS |
| IA5.3 | ENLARGED GIFT SHOP PLAN & INTERIOR ELEVATIONS |
| IA5.4 | ENLARGED THEATER PLAN & INTERIOR ELEVATIONS |
| IA5.5 | ENLARGED GATHERING PLACE PLAN |
| IA5.6 | GATHERING PLACE INTERIOR ELEVATIONS |
| IA5.7 | INTERIOR ELEVATIONS |
| IA5.8 | DECK PLAN & DETAILS |
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| ILP1.1 | LIGHTING LEGEND, SCHEDULES |
| ILP1.2 | LIGHTING PLAN |
| IM-1 | LEGEND & SCHEDULES |
| IM-2 | PLUMBING PLAN |
| IM-3 | ENLARGED PLANS & ISOMETRICS |
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| IE-1.1 | LIFT STATION AND DETAILS - SHEET NOT USED |
| IE-1.2 | PARKING LOT LIGHTING PLAN AND LEGEND |
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| IE-3 | POWER PLAN |
| IE-4 | SPECIAL SYSTEMS PLAN |
| IE-5 | POWER ONE-LINE DIAGRAM |
| IE-6 | SCHEDULES AND DETAILS |

ALASKA NATIVE HERITAGE CENTER
 ANCHORAGE, ALASKA
 TITLE SHEET

Revisions
SHEET INDEX

CONFORMED DRAWINGS

Date 09/01/98
Drawn FWP, M.J, CM
Checked RRR
Job No. 003

GENERAL WATER & SEWER NOTES

10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH "ALASKA NATIVE HERITAGE CENTER" SPECIFICATIONS EXCEPT AS AMENDED BELOW. ALL CONSTRUCTION OF THE WATER SERVICE AND SANITARY SEWER SERVICE SHALL BE IN ACCORDANCE WITH THE 1994 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) AS CURRENTLY AMENDED AND WITH THE LATEST EDITION OF THE AWWU DESIGN CRITERIA MANUAL EXCEPT AS FOLLOWS. ALL REFERENCE TO UNIT PRICES SHALL BE DELETED. THIS IS A LUMP SUM CONTRACT. THE SANITARY SEWER LIFT STATION WHICH SHALL BE PRIVATELY OWNED, OPERATED, AND MAINTAINED SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DRAWING SHEETS C3.1, C4.1, AND E-1.1. THE PIPE CASING FOR THE SANITARY SEWER FORCE MAINS SHALL BE IN ACCORDANCE WITH SECTION 20.15 OF MASS.

120. THE CONTRACTOR SHALL RESTORE DISTURBED PROPERTY OUTSIDE OF WORK LIMITS TO EXISTING CONDITIONS.
130. 3/4 INCH COPPER WATER SERVICE TO SERVE HOSE BIB AT NEW MAINTENANCE BUILDING.
140. ALL SEWER SERVICE LINES SHALL BE CLASS 50, DUCTILE IRON PIPE. ALL SEWER FORCE MAINS SHALL BE CLASS 52 DUCTILE IRON RESTRAINED JOINT PIPE.
150. SANITARY SEWER SERVICE LINE, LIFT STATION, AND FORCE MAINS TO SERVE ALASKA NATIVE HERITAGE CENTER. THIS WILL BE A PRIVATE SYSTEM OWNED, OPERATED, AND MAINTAINED BY THE ALASKA NATIVE HERITAGE CENTER.
160. THE WATER SERVICE LINE IS ALSO A FIRE LINE AND SHALL SERVE THE ALASKA NATIVE HERITAGE CENTER.
170. HYDRANTS WILL BE ADJUSTED TO FINAL GRADE BY THE AWWU MAINTENANCE DEPARTMENT. PROVIDE FORTY-EIGHT (48) HOURS MINIMUM NOTIFICATION, COORDINATION AND PAYMENT WITH AWWU.
180. BARTLETT HIGH SCHOOL SHALL BE NOTIFIED FORTY EIGHT HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE.
190. CONNECTION TO THE EXISTING 12 INCH MAIN SERVING BARTLETT HIGH SCHOOL SHALL BE SCHEDULED THROUGH AND PROVIDED BY AWWU. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND PAYMENT.
200. ALL 12" VALVES SHALL BE RESILIENT SEAT GATE VALVES.
210. ALL SANITARY SEWER MANHOLES (SSMH) SHALL BE TYPE A PER MASS STANDARD DETAIL No. 201 UNLESS OTHERWISE NOTED.
220. ALL MANHOLES SHALL HAVE A MINIMUM OF ONE (1) 6" GRADE RING.
230. CONTRACTOR SHALL NOTIFY PAT TILTON AT PARKS AND BEAUTIFICATION (343-4504) TWO WEEKS IN ADVANCE OF CONSTRUCTION OF SEWER LINE ON THE SOUTH SIDE OF THE GLENN HIGHWAY. CONTRACTOR SHALL RESTORE LANDSCAPE DISTURBED BY INSTALLATION OF THE SEWER LINE BACK TO EXISTING CONDITIONS AND SAVE AS MANY OF THE EXISTING TREES AS POSSIBLE. CONTRACTOR SHALL PROVIDE SAFETY FENCE AND WARNING TAPE AROUND THE SEWER CONSTRUCTION ACTIVITIES ON THE SOUTH SIDE OF THE GLENN HIGHWAY.
240. ALL VEGETATION DISTURBED BY INSTALLATION OF THE WATER AND SANITARY SEWER SYSTEM SHALL BE REPLACED TO MATCH EXISTING. CONTRACTOR SHALL OBSERVE EXISTING VEGETATION CONDITIONS PRIOR TO BID.
250. CONTRACTOR SHALL DISCONNECT AND REMOVE 12" BY 8" REDUCER FROM THE 12" DIP WATER LINE. THE 12" DIP WATER LINE SHALL BE CAPPED AT THIS LOCATION AFTER OPEN BORE FLUSHING OF THE 12" LINE IS COMPLETE. CONTRACTOR SHALL CONFIRM THAT A MINIMUM 8 FOOT LONG SECTION OF 12" DIP CLASS 52 WATER LINE WAS PREVIOUSLY INSTALLED BETWEEN THE FIRE HYDRANT ASSEMBLY AND THE 12" BY 8" REDUCER. IF A 8 FOOT LONG SECTION OF 12" DIP CLASS 52 WAS NOT INSTALLED BY PREVIOUS CONTRACTOR, IT SHALL BE INSTALLED BY CURRENT CONTRACTOR PRIOR TO OPEN BORE FLUSH AND INSTALLATION OF 12" CAP. CONTRACTOR SHALL REMOVE THE 18" LONG 8" DIAMETER CONNECTION PIECE AND 8" GATE VALVE AND VALVE BOX LOCATED ADJACENT TO THE 12" BY 8" REDUCER AND SET ON SITE FOR THE OWNER. THE CONTRACTOR SHALL ABANDON THE REMAINING 8" DIP WATER LINE IN PLACE.

ABBREVIATIONS

Table listing abbreviations and their corresponding full names, such as AC ASPHALT CEMENT, B.C. BRASS CAP, BOE BOTTOM OF EXCAVATION, etc.

LEGEND

Legend table showing symbols for existing and new features like PROPERTY LINE, ADJACENT PROPERTY LINE, EASEMENT LINE, etc.

GENERAL NOTES

16. EXISTING GROUND CONTOURS AROUND THE BUILDING AND PARKING AREAS ARE BASED ON DESIGN CONTOURS FROM PREVIOUS PHASE WORK. EXISTING GROUND CONTOURS ALONG THE WATER AND SEWER SERVICE LINES ARE BASED ON GROUND BASED TOPOGRAPHIC SURVEY. EXISTING GROUND CONTOURS BEYOND THE BUILDING, POND, BERMS, AND PARKING AREAS AND SEWER AND WATER SERVICE LINES ARE BASED ON AERIAL TOPOGRAPHY. THE AERIAL TOPOGRAPHY IS AT TWO FOOT CONTOUR INTERVAL. THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID.
20. SITE SOILS CONDITIONS ARE REPORTED IN THE SUBSURFACE INVESTIGATION REPORT DATED JANUARY 8, 1996 PREPARED BY DOWL ENGINEERS. SOIL BORING LOGS REFLECT THE MATERIAL AT THE BORE HOLE LOCATION ONLY. ANY INTERPRETATION OF MATERIAL BETWEEN THE BORNINGS IS AT THE CONTRACTOR'S RISK. SOIL BORING LOCATIONS ARE SHOWN ON THE SITE PLAN. SOIL CONDITIONS WITHIN THE BUILDING, PARKING, AND POND HAVE BEEN MODIFIED DUE TO PREVIOUS PHASE WORK.
30. ALL EXCAVATION SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.
40. ELEVATIONS SHOWN ARE AT PIPE INVERT, FINISH GRADE, CURB AND GUTTER FLOW LINE, OR FINISH PAVEMENT SURFACE UNLESS INDICATED OTHERWISE.
50. ALL COORDINATE VALUES ARE TO SURVEY CONTROL LINE INTERSECTION, OR SURVEY CONTROL MONUMENT UNLESS INDICATED OTHERWISE.
60. DIMENSIONS ARE TO EDGE OF A.C. PAVEMENT, BACK OF CURB, CENTER OF PAINT STRIPE, HORIZONTAL CONTROL LINE, EDGE OF GRAVEL PAD, OR CENTER OF CULVERT UNLESS INDICATED OTHERWISE.
70. THE LIMITS OF CLEARING WILL BE FLAGGED BY STRIPPING RIBBONS, PLACING STAKES, OR OTHERWISE IDENTIFYING THE BOUNDARY OF THE AREA TO BE CLEARED. WHEN THE CLEARING LIMITS HAVE BEEN STAKED, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE TO SCHEDULE AN INSPECTION OF THE CLEARING LIMITS. THE CONTRACTOR SHALL NOT CUT DOWN ANY TREES UNTIL APPROVAL OF THE CLEARING LIMITS HAS BEEN OBTAINED FROM THE OWNER'S REPRESENTATIVE.
80. THE CONTRACTOR SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR FOR THIS PROJECT.
90. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. UTILITY LOCATES SHALL BE OBTAINED PRIOR TO START OF CONSTRUCTION. EXERCISE CAUTION DURING EXCAVATION. CONTRACTOR SHALL NOTIFY FORT RICHARDSON FOR ELECTRICAL LOCATES.
100. THE CONTRACTOR SHALL FOLLOW ALL MUNICIPALITY OF ANCHORAGE REGULATIONS FOR NOISE, HOURS OF OPERATIONS AND DUST CONTROL.
110. SEE GENERAL WATER AND SEWER NOTES FOR ADDITIONAL INFORMATION.
120. CONTRACTOR SHALL PROVIDE RECOMMENDATIONS AND COST FOR FURNISH AND INSTALLING FULLY FUNCTIONAL AND WATER TIGHT POND LINER MEETING MANUFACTURER'S INSTALLATION REQUIREMENTS. 30 MIL TO 60 MIL LINER IS EXPECTED. TEXTURED SURFACE IS DESIRED.
130. FURNISH AND INSTALL ±20' LONG 12" DIA. CULVERT CENTERED AT STATION 39+25 RIGHT. BEVEL ENDS. ADJUST BERM TO PROVIDE 12' WIDE ACCESS TO ELECTRICAL VAULTS.
140. FURNISH AND INSTALL ±8' LONG 12" DIA. CULVERT CENTERED AT STATION 38+75 LEFT. (OVER UNDERGROUND ELECTRIC LINE). BEVEL ENDS.

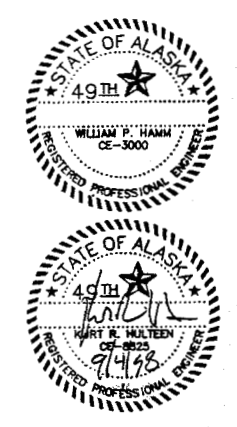
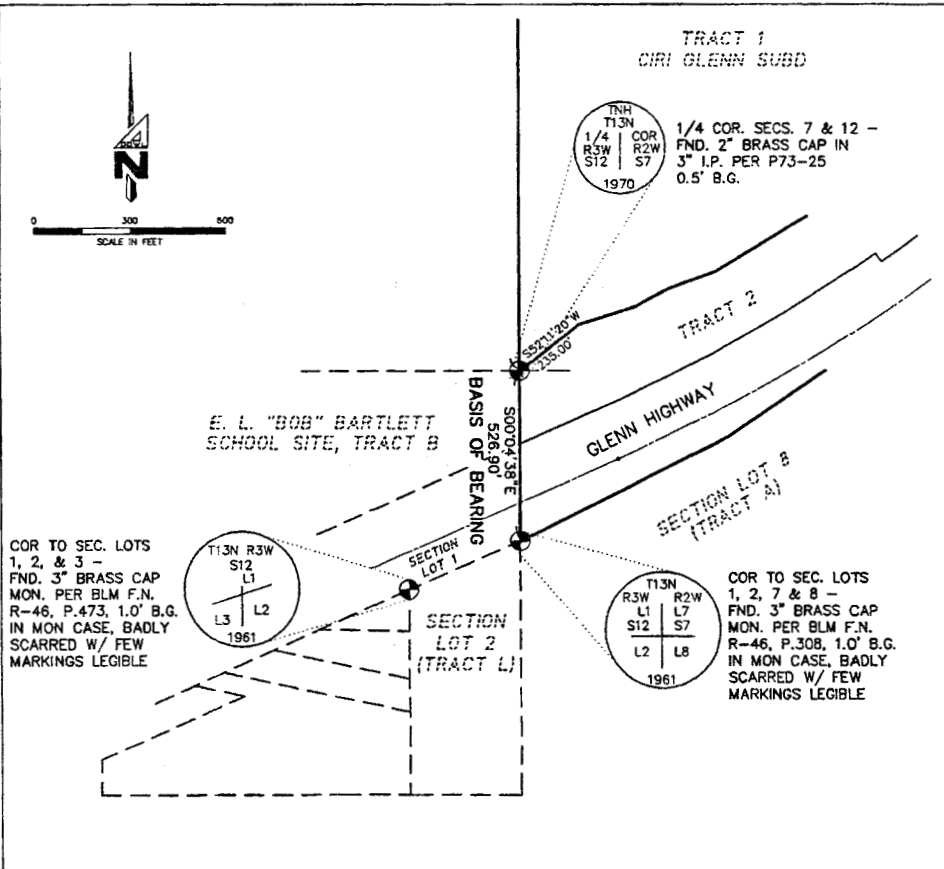


Table with columns for 'REVISION', 'DATE', and 'DESCRIPTION' for drawing updates.

ADOWL ENGINEERS logo and contact information: 4040 75th Street, Anchorage, Alaska 99503, Phone (907) 492-3000, Fax (907) 492-3003.

OWNER: ALASKA NATIVE HERITAGE CENTER, 2525 C STREET, SUITE 301, ANCHORAGE, AK 99503, Phone (907) 263-3170, Fax (907) 263-5575.

SURVEY CONTROL DIAGRAM



SURVEY CONTROL

HORIZONTAL CONTROL: HORIZONTAL CONTROL FOR THIS PROJECT IS TWO BRASS CAP MONUMENTS. THE FIRST LOCATED AT THE SOUTHWEST CORNER OF TRACT 1, CIRI GLENN SUBDIVISION AND THE SECOND 526.90 FEET S00°04'38"E OF THIS ON THE SOUTHERLY RIGHT-OF-WAY OF THE GLENN HIGHWAY.
VERTICAL CONTROL: VERTICAL CONTROL FOR THIS PROJECT IS BASED ON MOA BENCH MARK C&B 10 DESCRIBED AS FOLLOWS: BEGINNING AT THE INTERSECTION OF MILDWOOD ROAD AND BOUNDARY AVENUE, THENCE WESTERLY 272 FEET ALONG BOUNDARY AVENUE, THENCE SOUTHERLY 80 FEET TO THE NW CORNER OF A 70' x 270' COMMERCIAL BUILDING OCCUPIED BY 'B-10 STORE. THE BC IS SET VERTICALLY IN THE NORTH FACE 0.5 FEET EAST OF SAID NW CORNER. ELEVATION = 252.18



BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION logo and text: Locate Call Center of Alaska, Anchorage Area, 278-3121, Statewide, 498-3121, who will notify subscribed utilities only. Other utilities need to be contacted individually.

Table with columns for 'NOTES, LEGEND, & ABBREVIATIONS', 'DESIGNED BY', 'CHECKED BY', 'DRAWN BY', 'DATE', 'I.D. NO.', 'F.B. NO.', 'LOCATION ANCHORAGE', 'SCALE', 'HORIZ.', 'VERT.', 'SHEET', 'FILE NO.', and '260-85'.

ALASKA NATIVE HERITAGE CENTER - PHASE III ANHC ANCHORAGE, ALASKA NOTES, LEGEND, & ABBREVIATIONS

CONFORM DRAW!

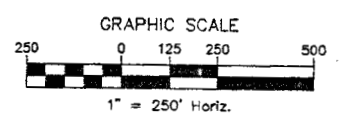
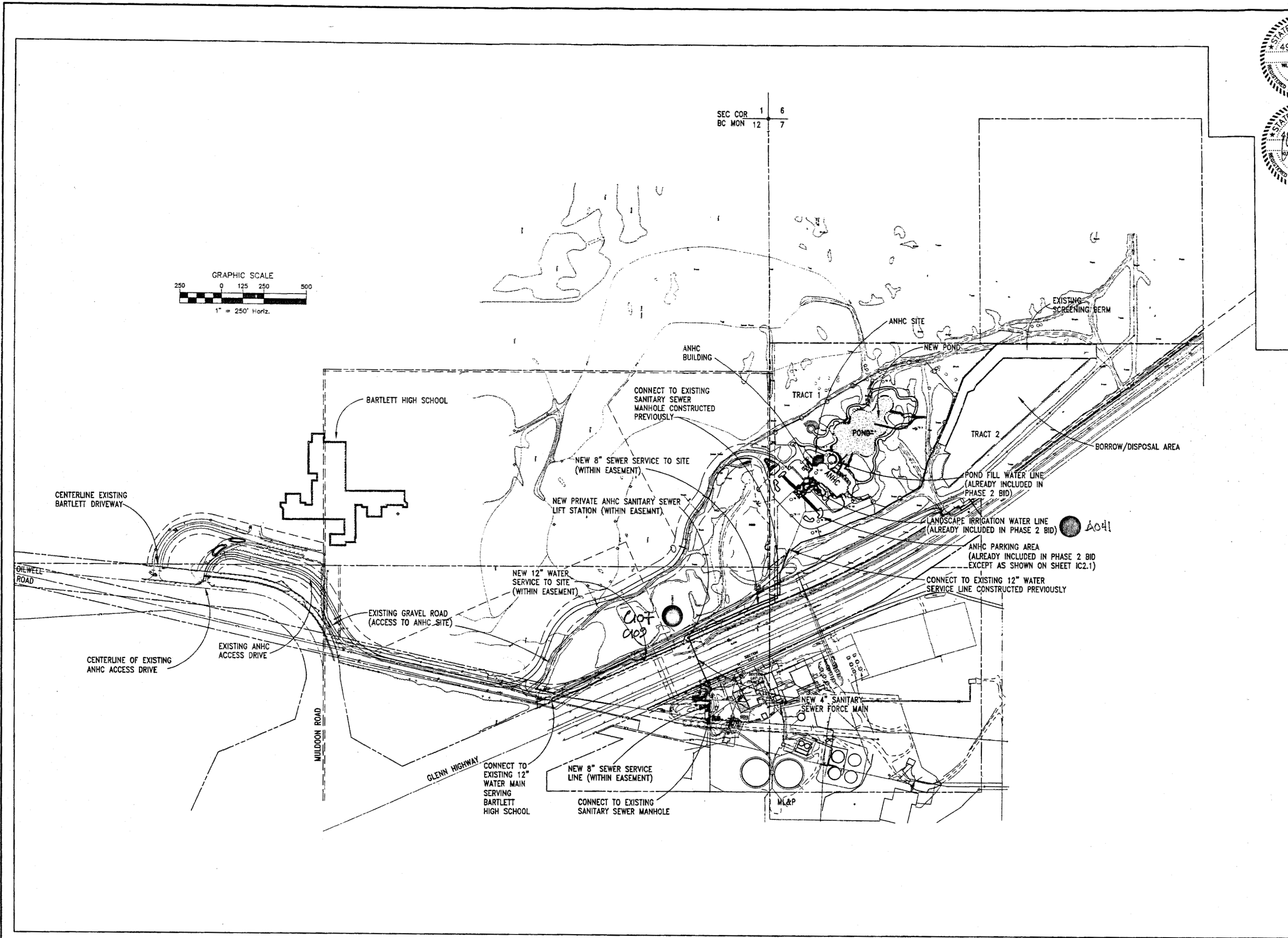
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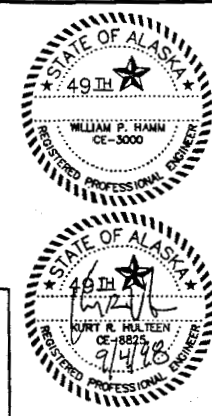
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| DATE | BY | DESCRIPTION |
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| | | |

A DOWL ENGINEERS
 4040 "B" Street Anchorage, Alaska 99503
 Phone (907) 561-0000 FAX (907) 561-9999

VICINITY PLAN
ALASKA NATIVE HERITAGE CENTER
 PHASE III
 TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 09/01/98 |
| W.O. NO. | 054557B |
| F.B. NO. | 865,1108 |
| | 1180,1206 |
| LOCATION | |
| | 1042/1142 |
| HORZ. SCALE | 1"=250' |
| VERT. SCALE | 1"=250' |
| SHEET | IC1.2 |
| FILE NO. | 260-85 |

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 Anchorage, Alaska 98511
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ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANHC ANCHORAGE, ALASKA
 VICINITY PLAN

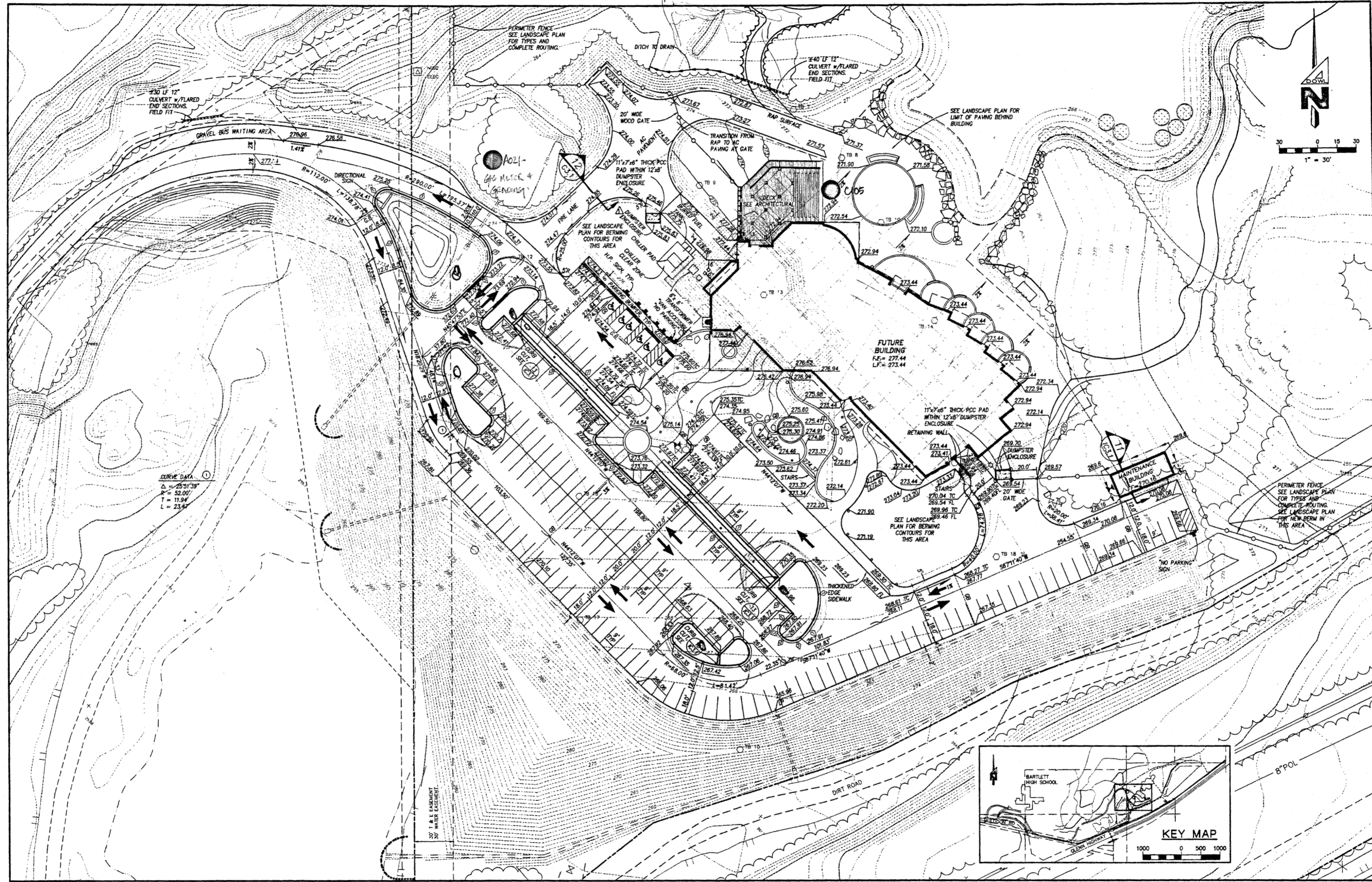
Revisions

CONFORMED DRAWINGS

Date 09/01/98
 Drawn GLB
 Checked KRH
 Job No. 95023
 Sheet No. IC1.2
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0114-
 DRAINAGE TROUBLE

ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANHC ANCHORAGE, ALASKA
 SITE GRADING PLAN

Revisions
 1. FENCE RELOCATION, GRADING AT BUILDING

CONFORMED DRAWINGS

Date 09/01/98
 Draw GLB
 Checked KRH
 Job No. 95023

Sheet No.

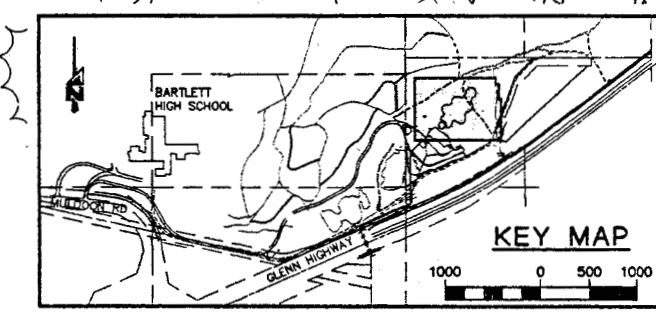
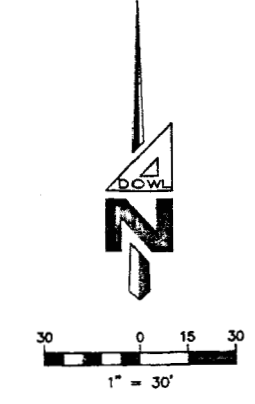
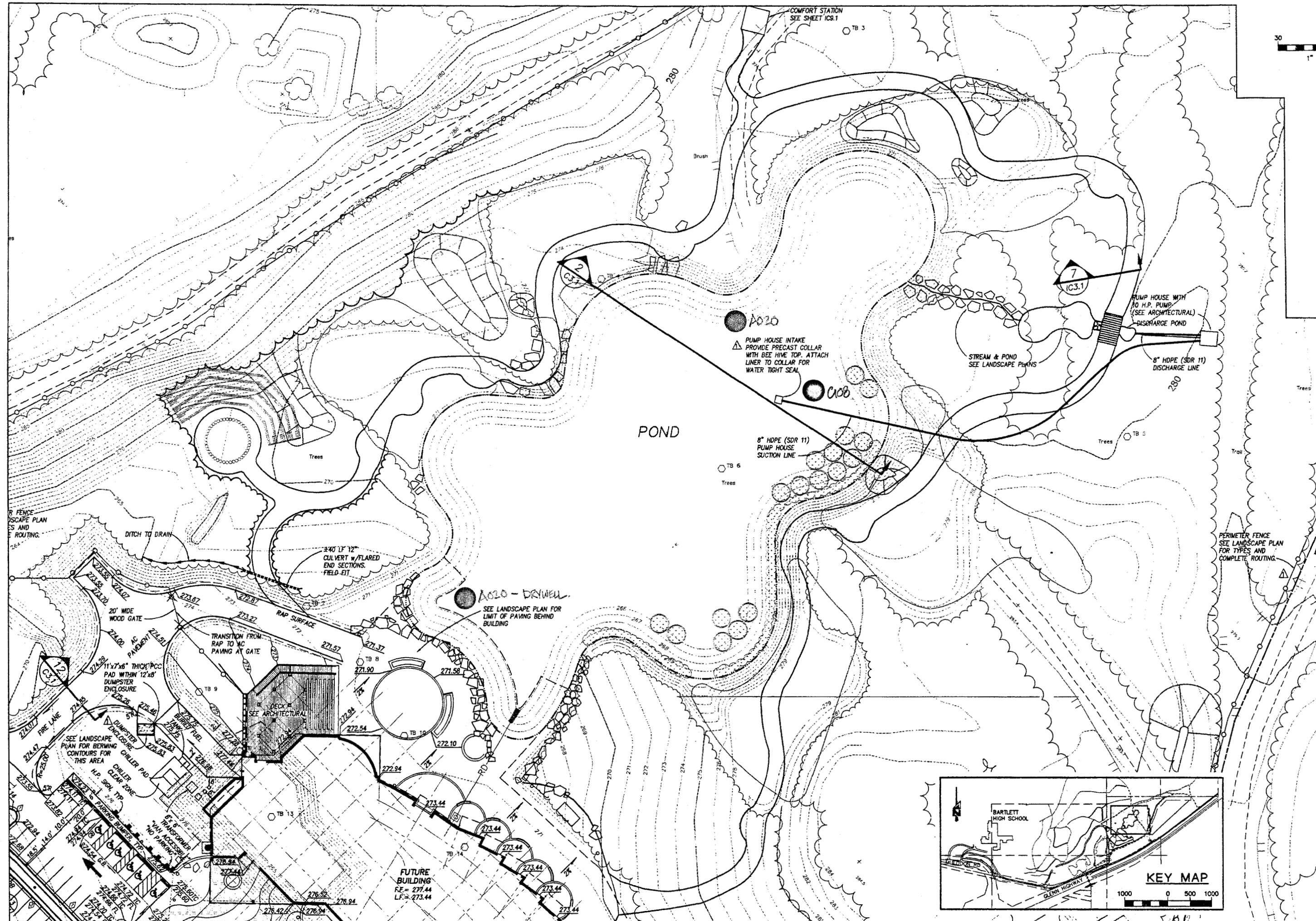
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NOTE
 SEE LANDSCAPE PLAN FOR ADDITIONAL SITE DETAIL.

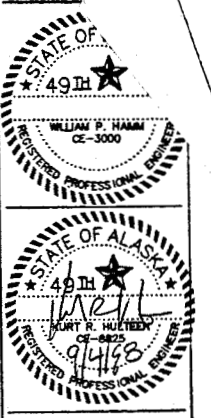
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NOTE
SEE LANDSCAPE PLAN FOR ADDITIONAL SITE DETAIL.

SCALES INDICATED RELATE TO
30"x42" FULL-SIZE DRAWINGS



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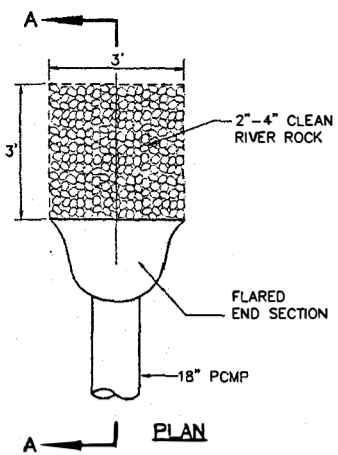
ALASKA NATIVE HERITAGE CENTER - PHASE III
ANHC ANCHORAGE, ALASKA
SITE GRADING PLAN

Revisions:
1. FENCE RELOCATION, GRADING AT BUILDING & POND TRAIL

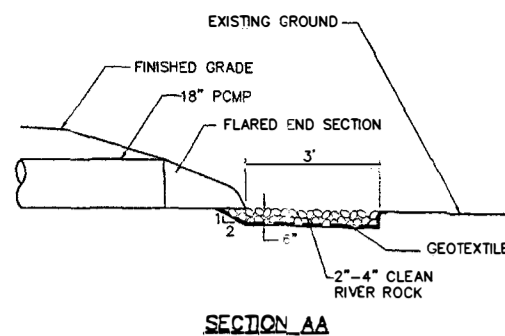
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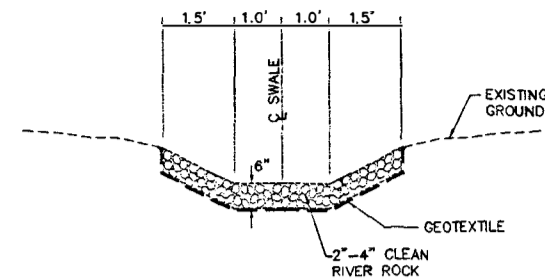
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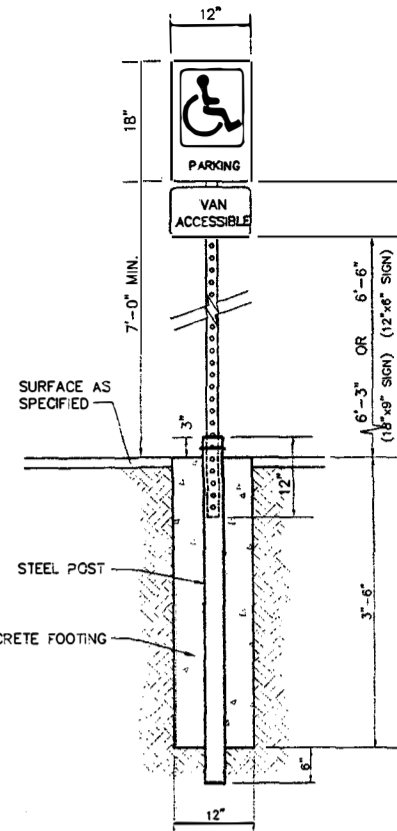
1 Rip/Rap Culvert Outfall
SCALE: NTS



SECTION AA



2 Rip/Rap Ditch Section
SCALE: NTS



5 Handicap Parking Sign Detail
SCALE: NTS

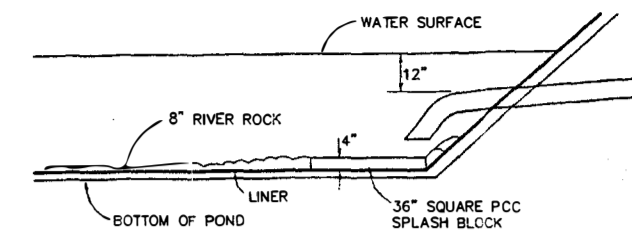
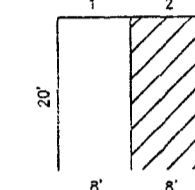
SIGNS CAN BE MOUNTED ON THE BUILDING PROVIDED THAT THEY ARE NOT OBSTRUCTED BY TREES, SHRUBBERY, ETC.

SIGNS SHALL NOT BE MOUNTED ON DOORS OR WINDOWS AND CAN NOT BE MORE THAN TEN FEET FROM THE EDGE OF THE PARKING STALL.

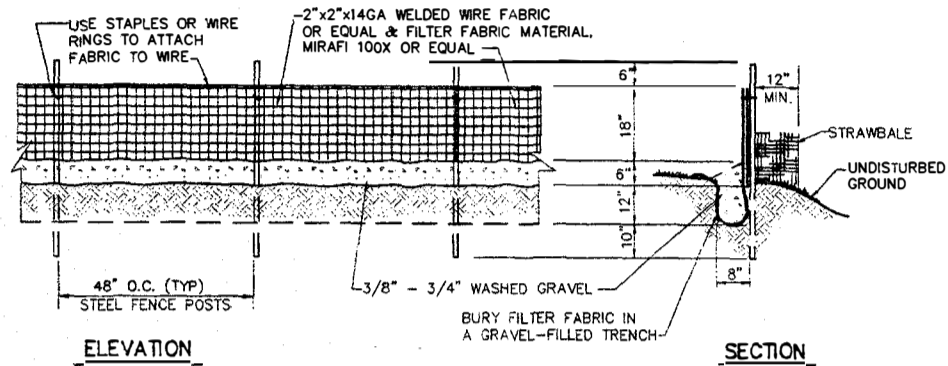
SIGN SHALL BE CENTERED BETWEEN PARKING SPACE STRIPING (1 IN DIAGRAM). MOUNTING HEIGHTS FOR BUILDING ARE SAME AS THOSE FOR POLE MOUNTING INDICATED ON THIS SHEET.

INSTALL A NO PARKING SIGN CENTERED AT THE FRONT OF THE 8 FOOT WIDE ACCESS AISLE (2 IN DIAGRAM).

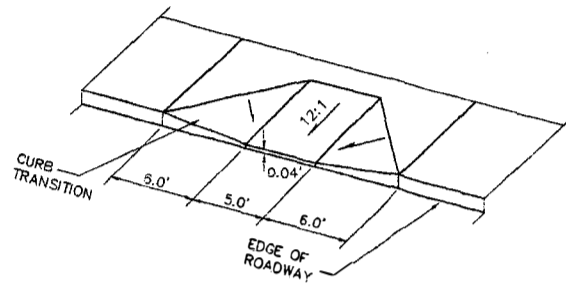
ONE OUT OF EIGHT REQUIRED HANDICAP SPACES MUST BE VAN ACCESSIBLE.



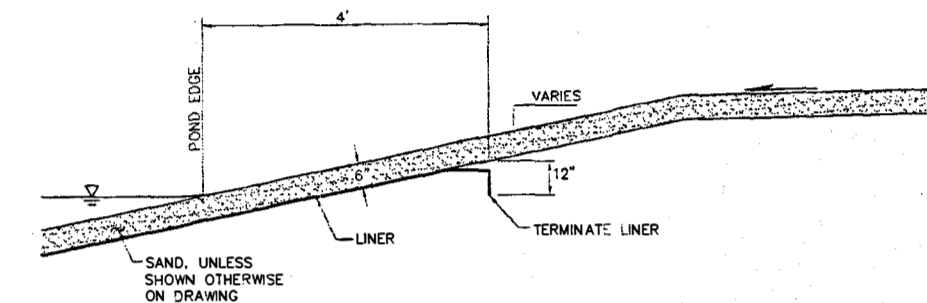
10 Discharge Pond
SCALE: NTS



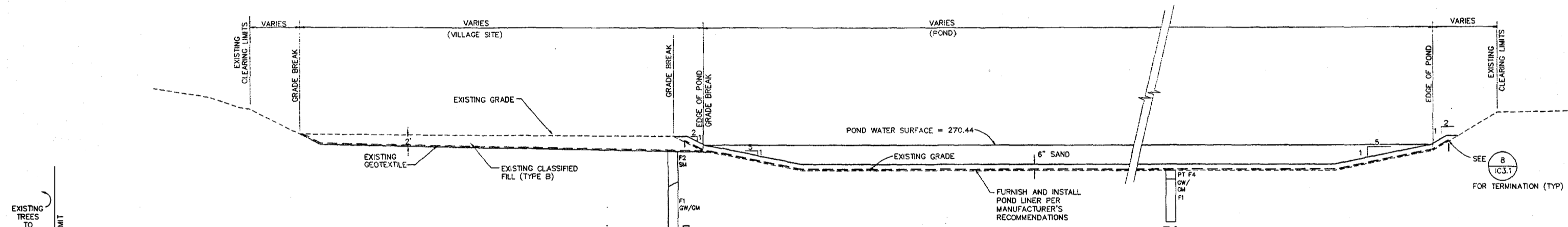
3 Silt Fence Detail
SCALE: NTS



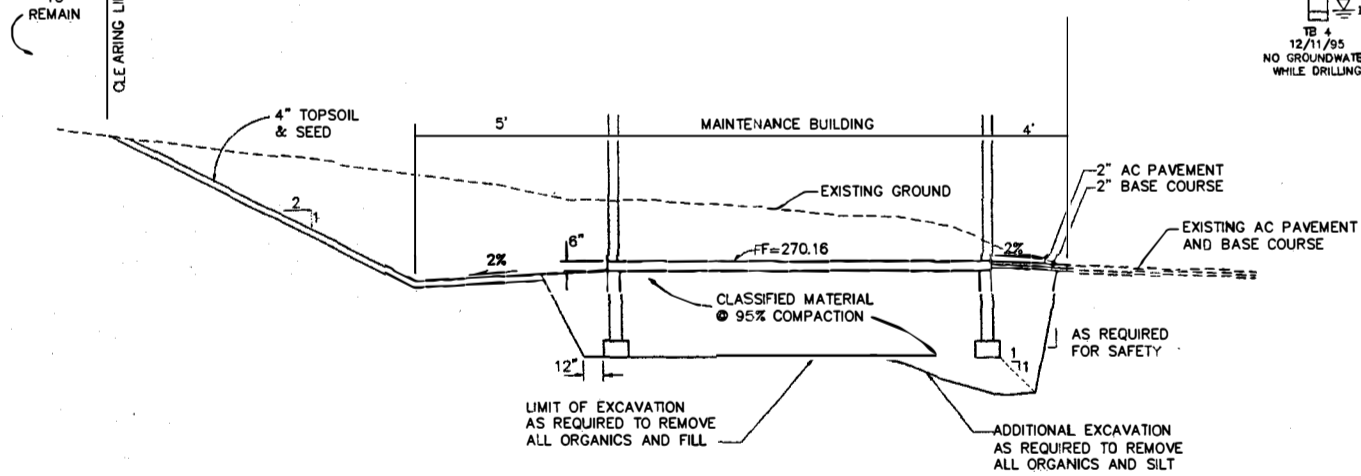
4 Handicap Ramp Detail
SCALE: NTS



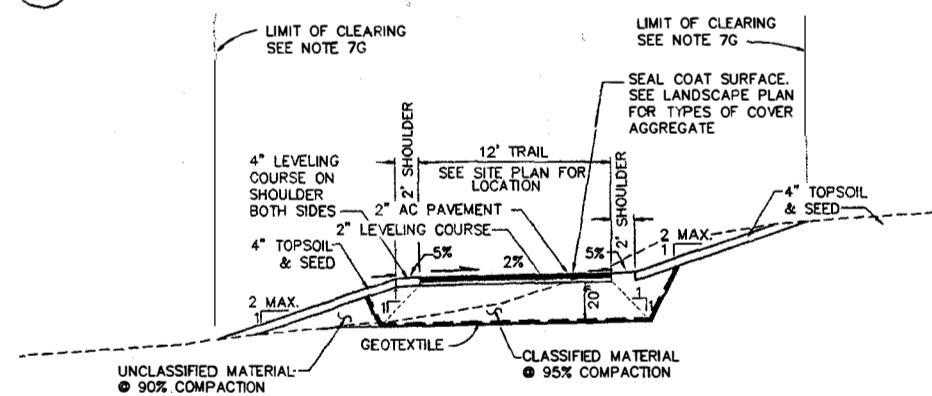
8 Typical Liner Termination at Pond
SCALE: NTS



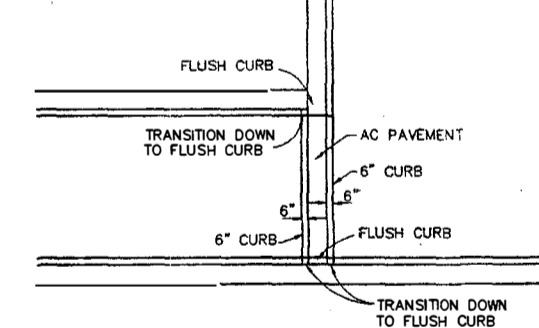
6 Typical Pond/Village Site Section
SCALE: NTS



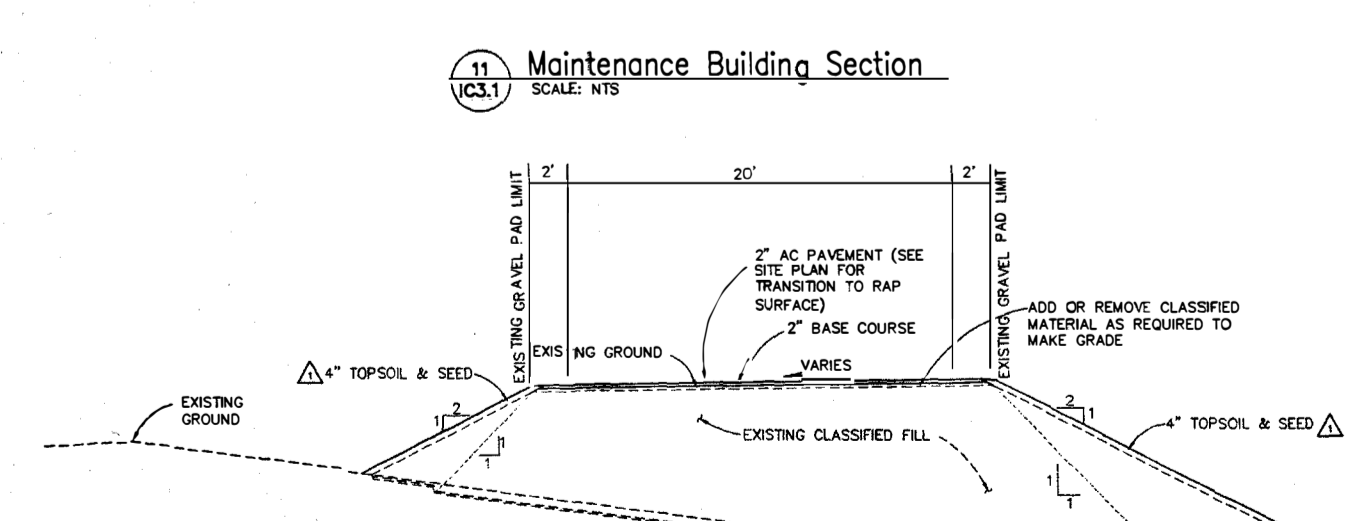
11 Maintenance Building Section
SCALE: NTS



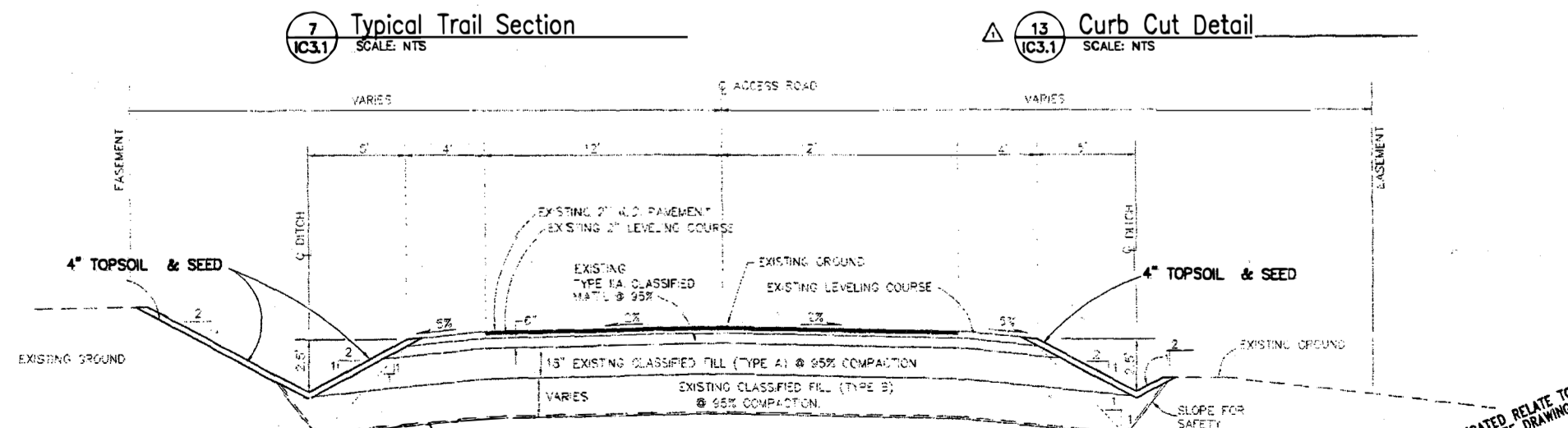
7 Typical Trail Section
SCALE: NTS



13 Curb Cut Detail
SCALE: NTS

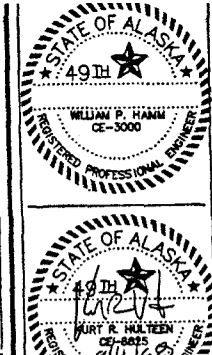
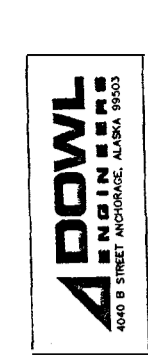


12 Site Section (Maintenance and Fire Lane)
SCALE: NTS



9 Access Drive Topsoil & Seed Typical Section
SCALE: NTS

| NO. | DATE | REVISION |
|-----|----------|--|
| 1 | 12/15/96 | ADD TOPSOIL & SEED TO DT, 13, AND DT, 13 |
| 2 | 01/17/98 | ADD TOPSOIL & SEED TO DT, 13, AND DT, 13 |



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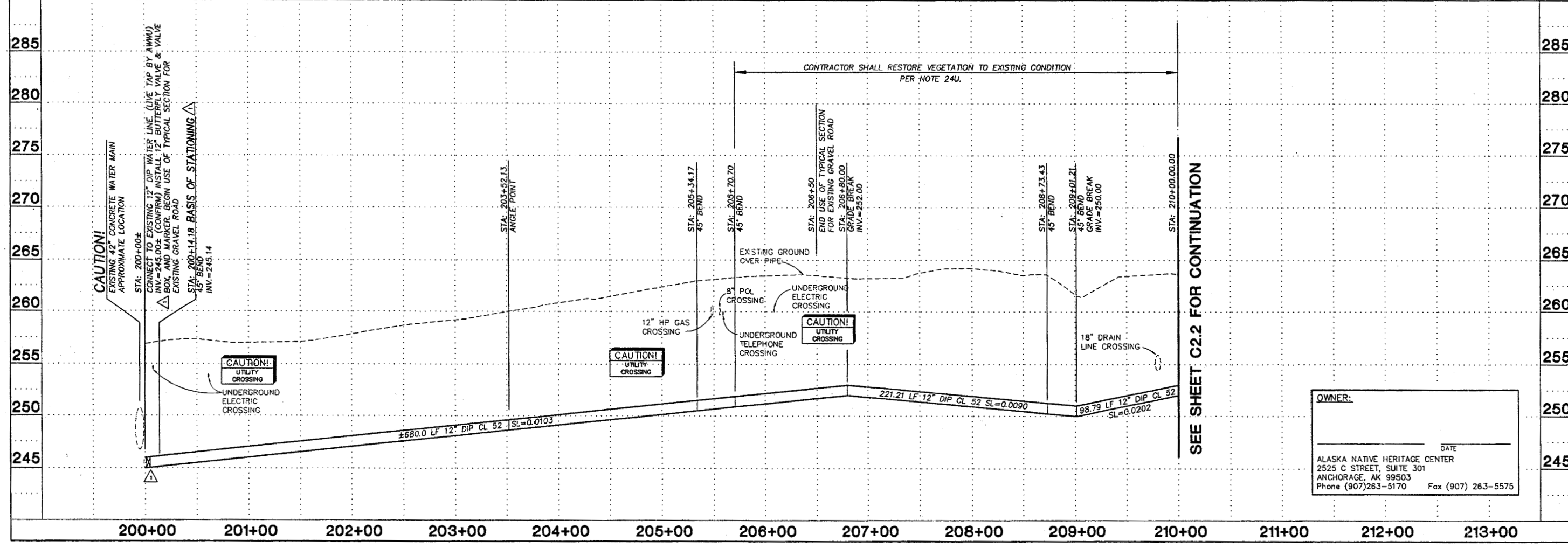
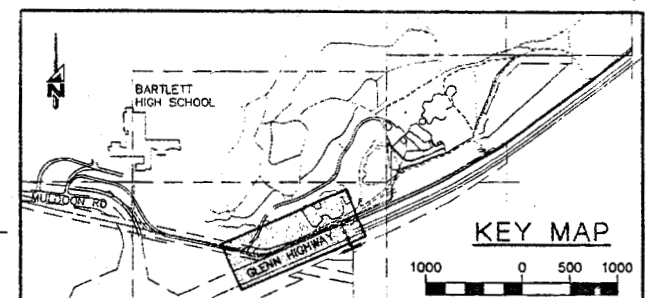
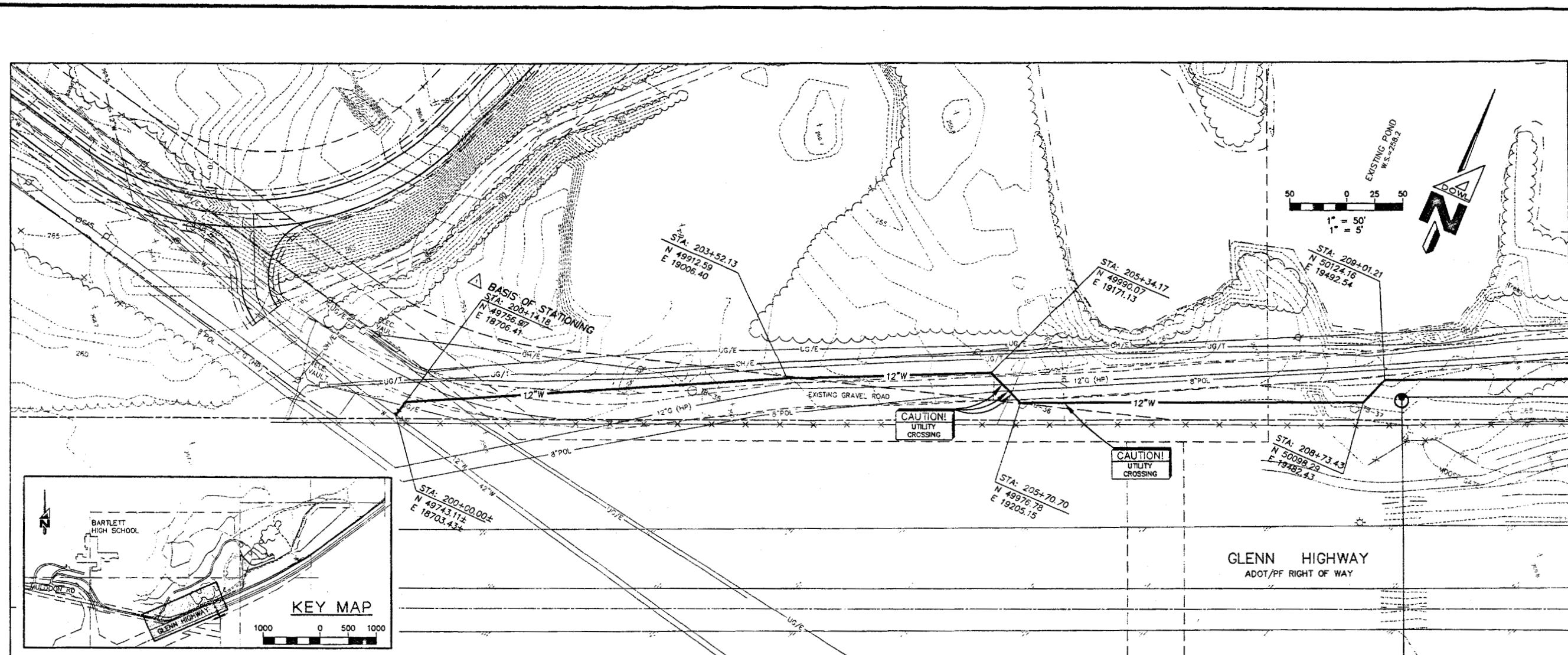
ALASKA NATIVE HERITAGE CENTER - PHASE III
ANHC ANCHORAGE, ALASKA
SITE SECTIONS AND DETAILS

Revisions
CONFORMED DRAWINGS
Date 09/01/98
Drawn GLB
Checked KRH
Job No. 95023
Sheet No. IC3.1
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SCALE INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

05455 78 DOTARIC3

FILENAME: D54557B-3\USIANHC3.DWG SCRIPT FILE: WATER.SCR PROJECT: D54557B DRAWING NAME: DYNAMIC SCRIPT FILE FOR THIS SHEET: WATER PLOTFILE: DEC 17 1997 09:02:14 (MSJAS) XREF: XRETBASE, XRETMIP CREATED: DEC-04 1997 10:23:58 UPIA(H): SEP 02 1998 10:48:00 PLOTTED: SEP 02 1998 14:27:07 (WS#63)



SEE SHEET C2.2 FOR CONTINUATION

OWNER:
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 Phone (907)263-5170 Fax (907) 263-5575



| DATE | BY | DESCRIPTION |
|----------|-----|-------------|
| 09/01/98 | WPH | DESIGN |
| 09/01/98 | GLB | CHECK |
| 09/01/98 | GLB | DRAW |
| 09/01/98 | GLB | DATE |
| 09/01/98 | GLB | W.O. NO. |
| 09/01/98 | GLB | F.B. NO. |
| 09/01/98 | GLB | LOCATION |
| 09/01/98 | GLB | ANCHORAGE |
| 09/01/98 | GLB | 1042/1142 |
| 09/01/98 | GLB | SCALE |
| 09/01/98 | GLB | HORIZ. |
| 09/01/98 | GLB | VERT. |
| 09/01/98 | GLB | SHEET |
| 09/01/98 | GLB | IC4.1 |
| 09/01/98 | GLB | FILE NO. |
| 09/01/98 | GLB | 260-85 |

WATER SERVICE PLAN & PROFILE
 ALASKA NATIVE HERITAGE CENTER
 PHASE III
 TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK

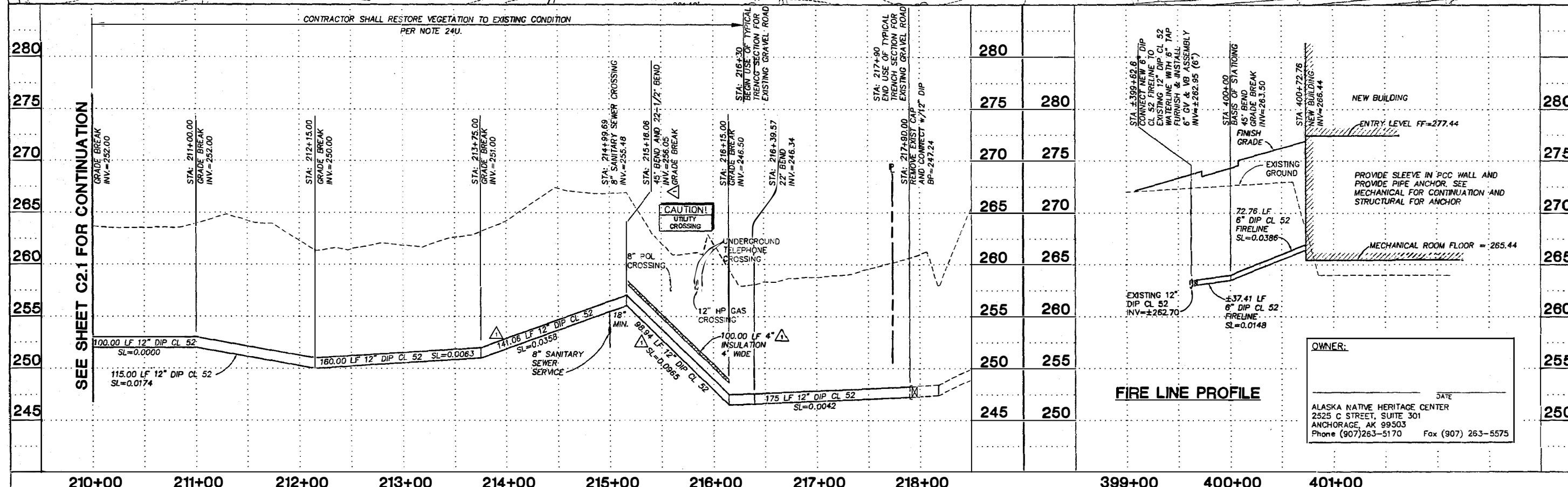
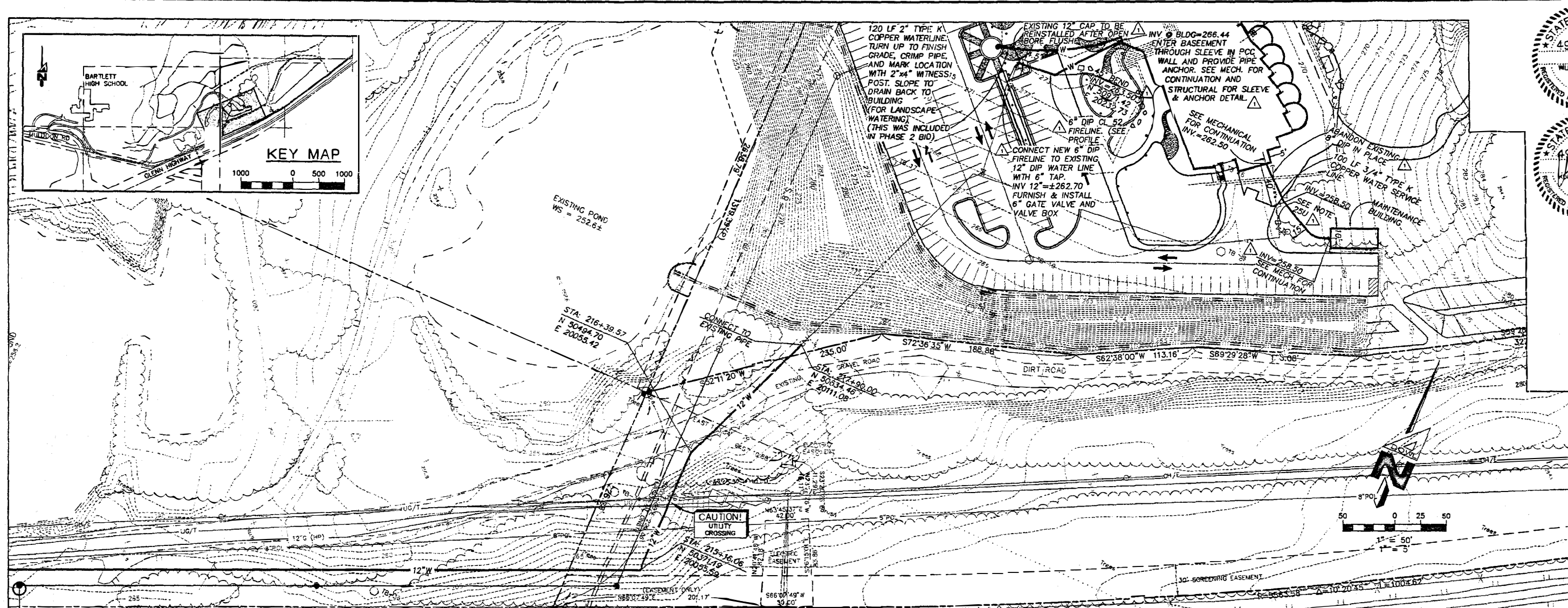
DESIGNED BY KRH/DC
 CHECKED BY WPH
 DRAWN BY GLB
 DATE 09/01/98
 W.O. NO. D54557B
 F.B. NO. 855.1108
 LOCATION ANCHORAGE
 ANCHORAGE
 1042/1142
 SCALE
 HORIZ. 1"=50'
 VERT. 1"=5'
 SHEET
 IC4.1
 FILE NO.
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ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANCHORAGE, ALASKA
 WATER SERVICE PLAN & PROFILE

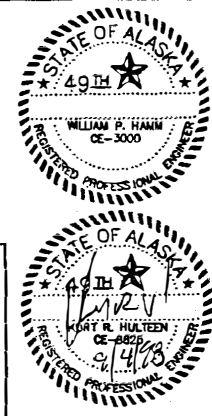
Revisions
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 2. 09/01/98 WATER SERVICE PLAN & PROFILE
 CONFORMED DRAWINGS
 Date 09/01/98
 Drawn GLB
 Checked KRH
 Job No. 95023
 Sheet No.
 IC4.1
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SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS



| STATION | ELEVATION |
|---------|-----------|
| 210+00 | 245 |
| 211+00 | 250 |
| 212+00 | 255 |
| 213+00 | 260 |
| 214+00 | 265 |
| 215+00 | 270 |
| 216+00 | 275 |
| 217+00 | 280 |
| 218+00 | 280 |
| 399+00 | 250 |
| 400+00 | 260 |
| 401+00 | 270 |

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WATER SERVICE PLAN & PROFILE
ALASKA NATIVE HERITAGE CENTER
PHASE III
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, AK

| | |
|--------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 09/01/98 |
| W.O. NO. | 0545579 |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| DATE | 1042/1142 |
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| VERT. SCALE | 1"=5' |
| SHEET NO. | IC4.2 |
| FILE NO. | 260-85 |

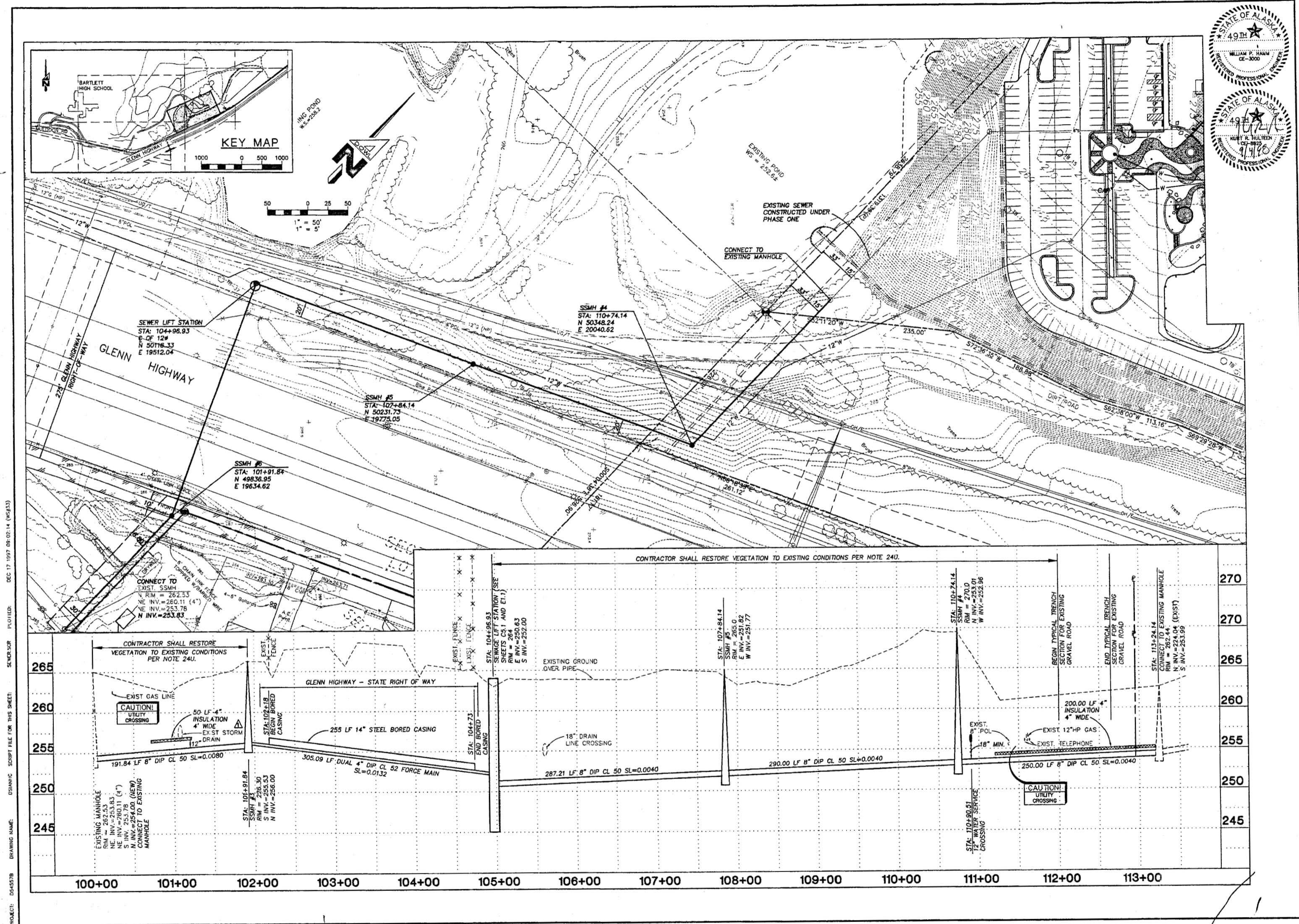
SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

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ALASKA NATIVE HERITAGE CENTER - PHASE III
ANHC ANCHORAGE, ALASKA
WATER SERVICE PLAN & PROFILE

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| DOWL ENGINEERS 4040 B Street Anchorage, Alaska 99503 PHONE (907) 582-5056 FAX (907) 583-8985 | |
| SEWER SERVICE PLAN & PROFILE ALASKA NATIVE HERITAGE CENTER PHASE III TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK. | |
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 09/01/98 |
| W.O. NO. | D54557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| SCALE | |
| HORZ. | 1"=50' |
| VERT. | 1"=5' |
| SHEET | |
| 1C5.1 | |
| FILE NO. | 260-85 |

SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

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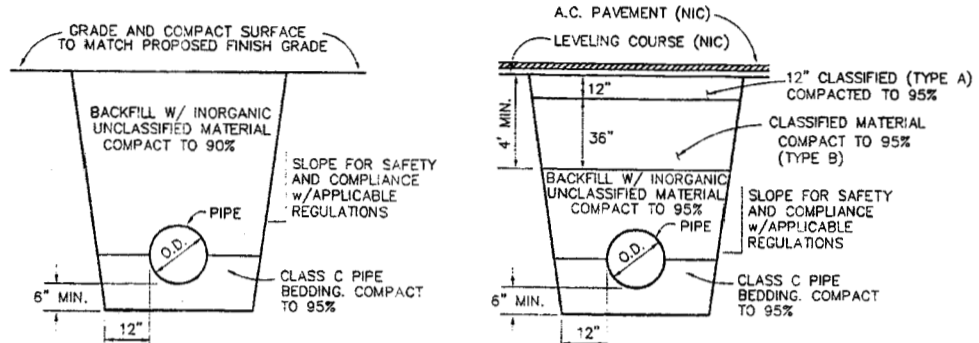
ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANHC
 ANCHORAGE, ALASKA
 SEWER SERVICE PLAN & PROFILE

Revisions

CONFORMED DRAWINGS

Date 09/01/98
 Drawn GLB
 Checked KRH
 Job No. 95023

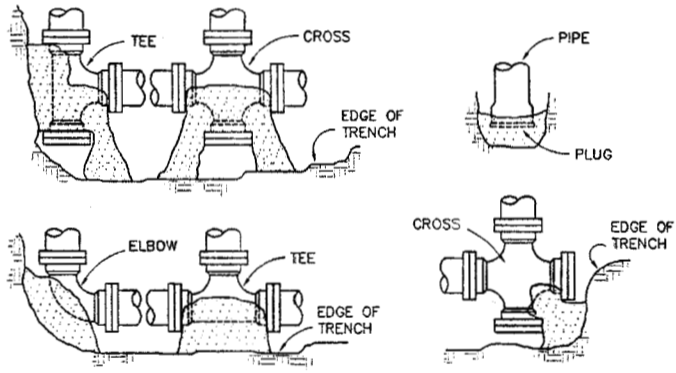
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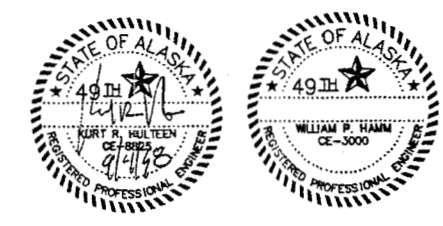
1 Typical Utility Trench Sections
SCALE: NTS

BASE AREA TABLE

| PIPE SIZE | MIN. BASE AREA SQ. FT. | | |
|-----------|------------------------|------------------|------|
| | 90° BEND | 45° BEND OR LESS | PLUG |
| 6" | 2.0 | 1 | 2.0 |
| 8" | 2.5 | 1.5 | 2.5 |
| 10" | 4.5 | 2.5 | 4.5 |
| 12" | 6 | 3.5 | 6 |
| 14" | 8 | 4.5 | 8 |
| 16" | 10.5 | 6 | 10.5 |
| 24" | 24 | 13 | 24 |



2 Thrust Block Details and Standards
SCALE: NTS



| NO. | DATE | BY | DESCRIPTION |
|-----|------|----|-------------|
| | | | |
| | | | |
| | | | |

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FAX (907) 263-9893

UTILITY DETAILS
ALASKA NATIVE HERITAGE CENTER
PHASE III
TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 09/01/98 |
| W.O. NO. | 054557B |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| | 1042/1142 |
| HORIZ. | AS SHOWN |
| VERT. | |
| SHEET | IC6.1 |
| FILE NO. | 260-85 |

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SCALE INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

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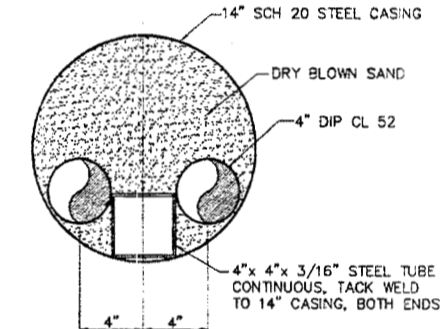
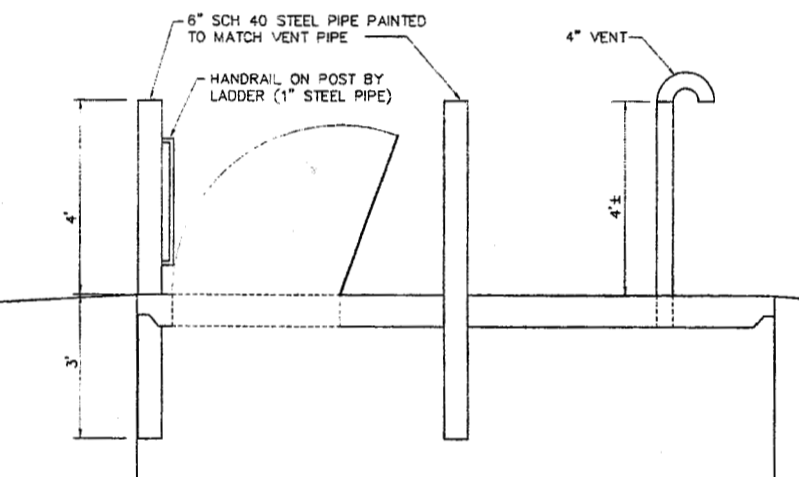
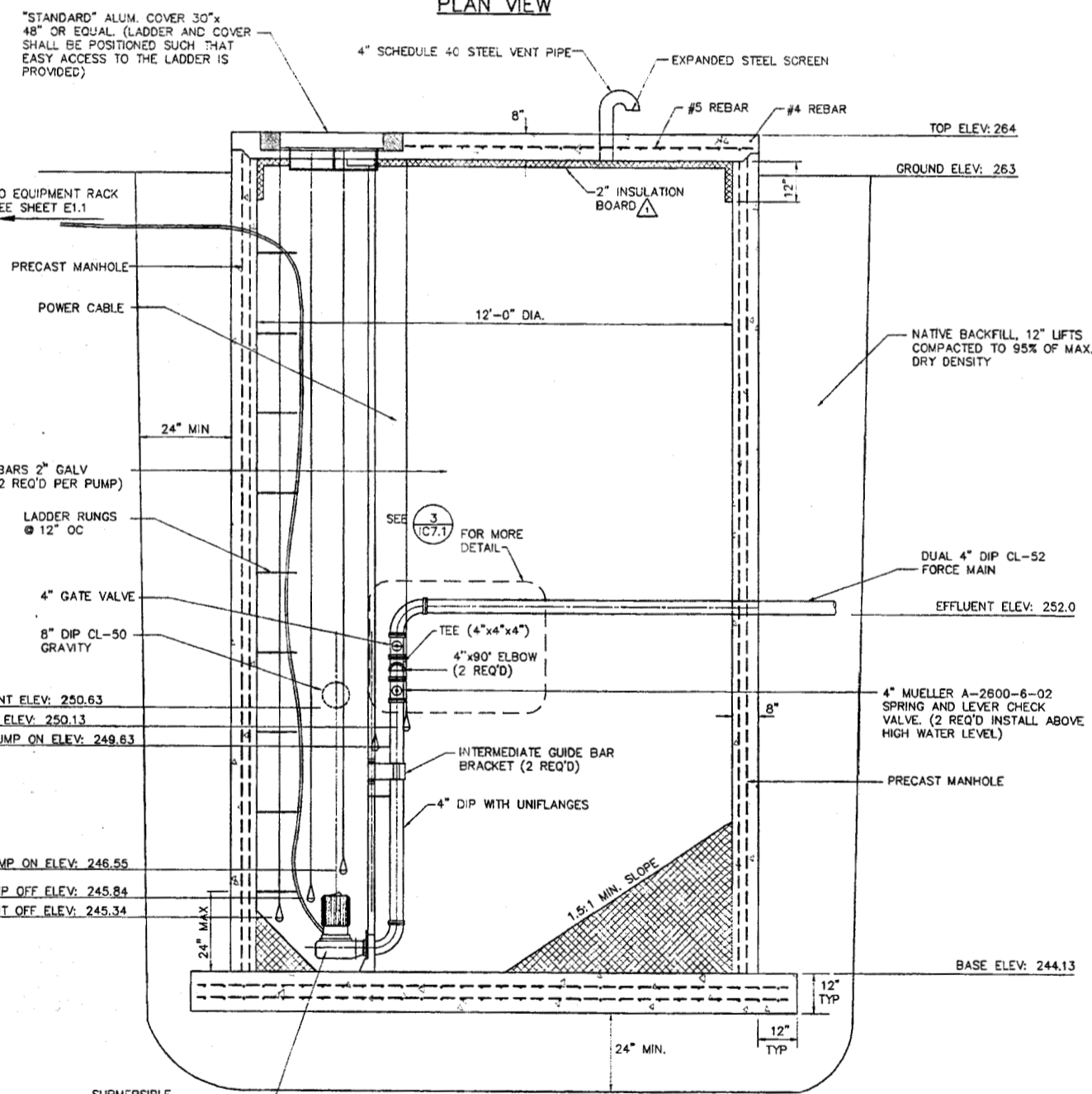
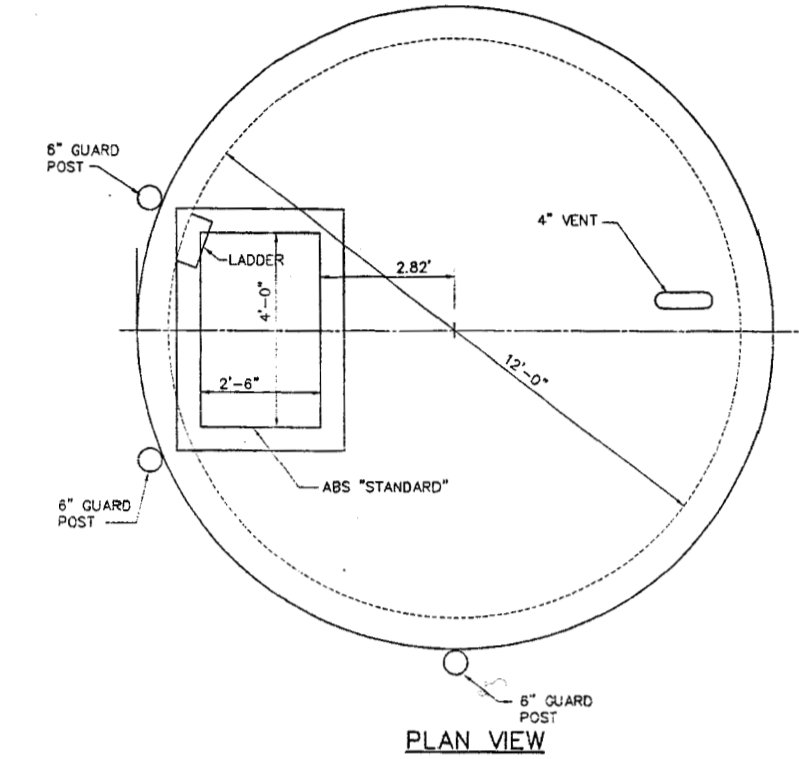
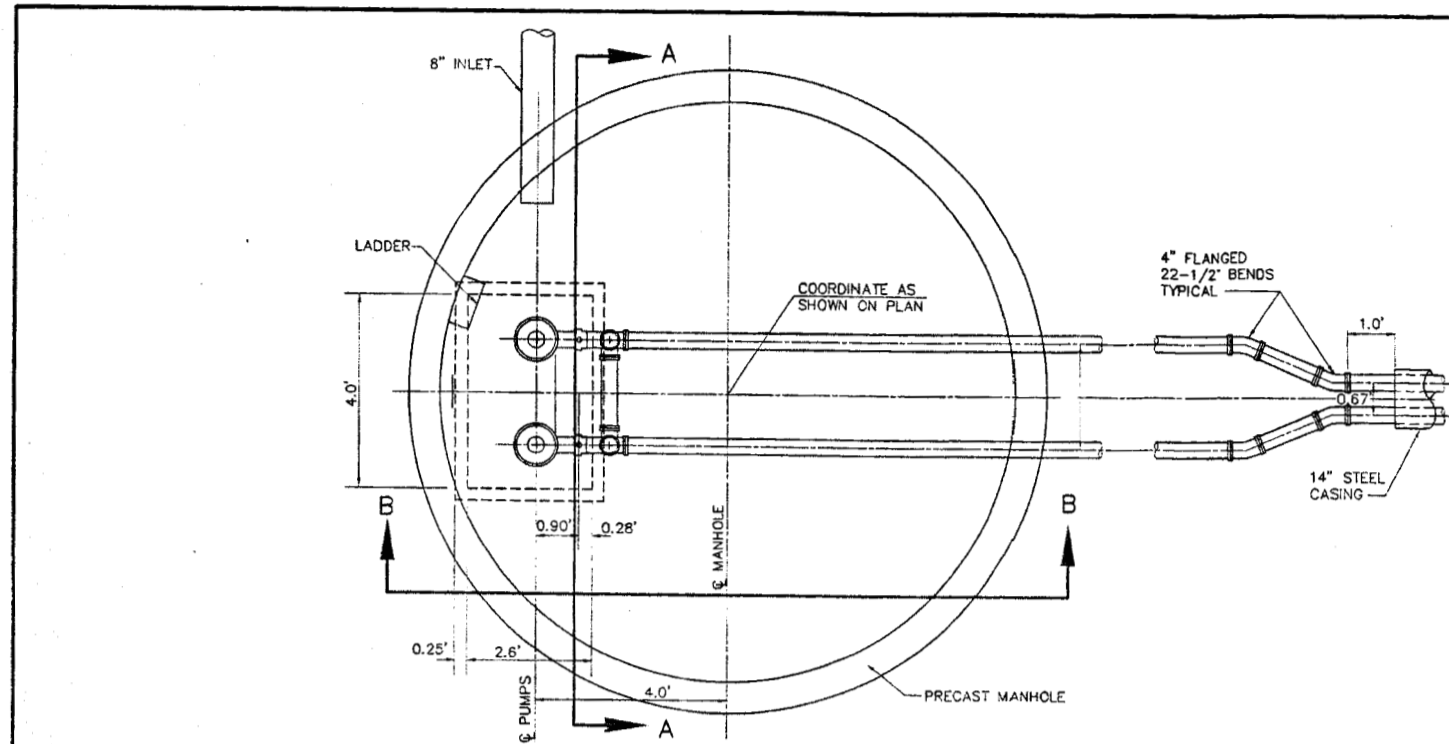
ALASKA NATIVE HERITAGE CENTER - PHASE III
ANCHORAGE, ALASKA
UTILITY DETAILS

CONFORMED DRAWINGS

Date 09/01/98
Drawn GLB
Checked KRH
Job No. 95023

Sheet No. IC6.1
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PROJECT: D54557B DRAWING NAME: DDTAHC SCHEMATIC FILE FOR THIS SHEET
PROJECT: D54557B DRAWING NAME: DDTAHC SCHEMATIC FILE FOR THIS SHEET
DATE: DEC 17 1997 11:59:25 (REG33)
DOWL FILE No. 260-85



- NOTES:
- FURNISH AND INSTALL A COMPLETE PACKAGE SANITARY SEWER LIFT STATION IN GENERAL CONFORMANCE WITH THE SIZES AND CAPACITIES SHOWN ON THE DRAWINGS.
 - PROVIDE AND INSTALL TWO SUBMERSIBLE NON-CLOG WASTEWATER PUMPS. PUMPS SHALL BE 2.2 HP, SUBMERSIBLE, 480 VAC, THREE PHASE, 60 HZ. PUMPS SHALL HAVE A MINIMUM CAPACITY OF 150 GPM AGAINST A TOTAL HEAD OF 21'.
 - PROVIDE AND INSTALL A 5 FLOAT SWITCH SYSTEM. DETERMINE APPROPRIATE FIELD ADJUSTMENTS OF FLOAT LEVELS THROUGH MANUFACTURER AND PROJECT ENGINEER. LEAD AND LAG PUMPS SHALL ALTERNATE AFTER EACH COMPLETE ON/OFF CYCLE. ALARM SHALL HAVE A 40 MINUTE DELAY. ALARM SHALL ALSO ACTIVATE IF EITHER PUMP FAILS TO COME ON.
 - PROVIDE AND INSTALL PUMP GUIDE RAIL SYSTEM.
 - SUBMIT SHOP DRAWINGS.

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| NO. | DATE | DESCRIPTION |
|-----|---------|--|
| 1 | 6/25/98 | WATER SERVICE & LIFT STATION MODIFICATIONS |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

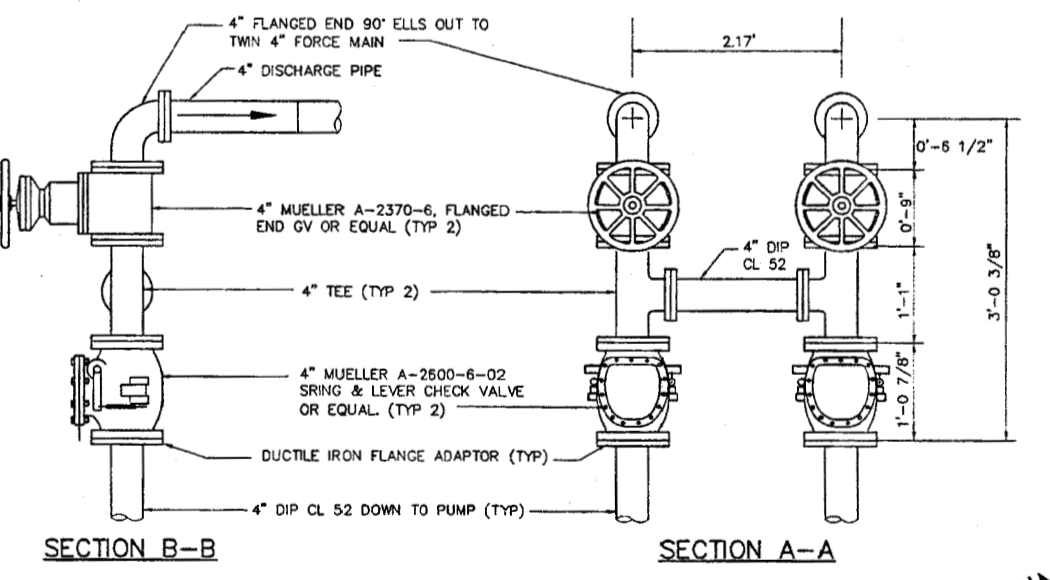
ADOWL ENGINEERS
 Anchorage, Alaska 99503
 4040 "B" Street
 Anchorage, Alaska 99503
 Phone (907) 562-2000
 Fax (907) 563-2823

SANITARY SEWER LIFT STATION
 ALASKA NATIVE HERITAGE CENTER
 PHASE III - FINAL DESIGN
 TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE AK.

| | |
|-------------|-----------|
| DESIGNED BY | KRH/DC |
| CHECKED BY | WPH |
| DRAWN BY | GLB |
| DATE | 09/01/98 |
| W.O. NO. | 0545578 |
| F.B. NO. | 865,1108 |
| LOCATION | ANCHORAGE |
| SCALE | AS SHOWN |
| HORIZ. | AS SHOWN |
| VERT. | AS SHOWN |
| SHEET NO. | IC7.1 |
| FILE NO. | 260-85 |

2 Lift Station Guard Posts
 SCALE: NTS

4 Steel Casing for Carrier Pipe
 SCALE: NTS



3 Lift Station Discharge Piping
 SCALE: NTS

1 Sanitary Sewer Lift Station
 SCALE: NTS

PRELIMINARY
 NOT FOR CONSTRUCTION

PROJECT: D545578 DRAWING NAME: SANITARY SEWER LIFT STATION
 PROJECT NO.: D545578 DRAWING NO.: IC7.1
 PROJECT DATE: MAY 14 1998 10:50:00 (06:43)
 PROJECT FILE: D:\PROJECTS\1998\0514\105000\0643\IC7.1.DWG

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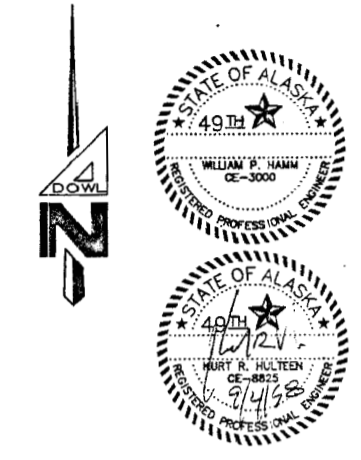
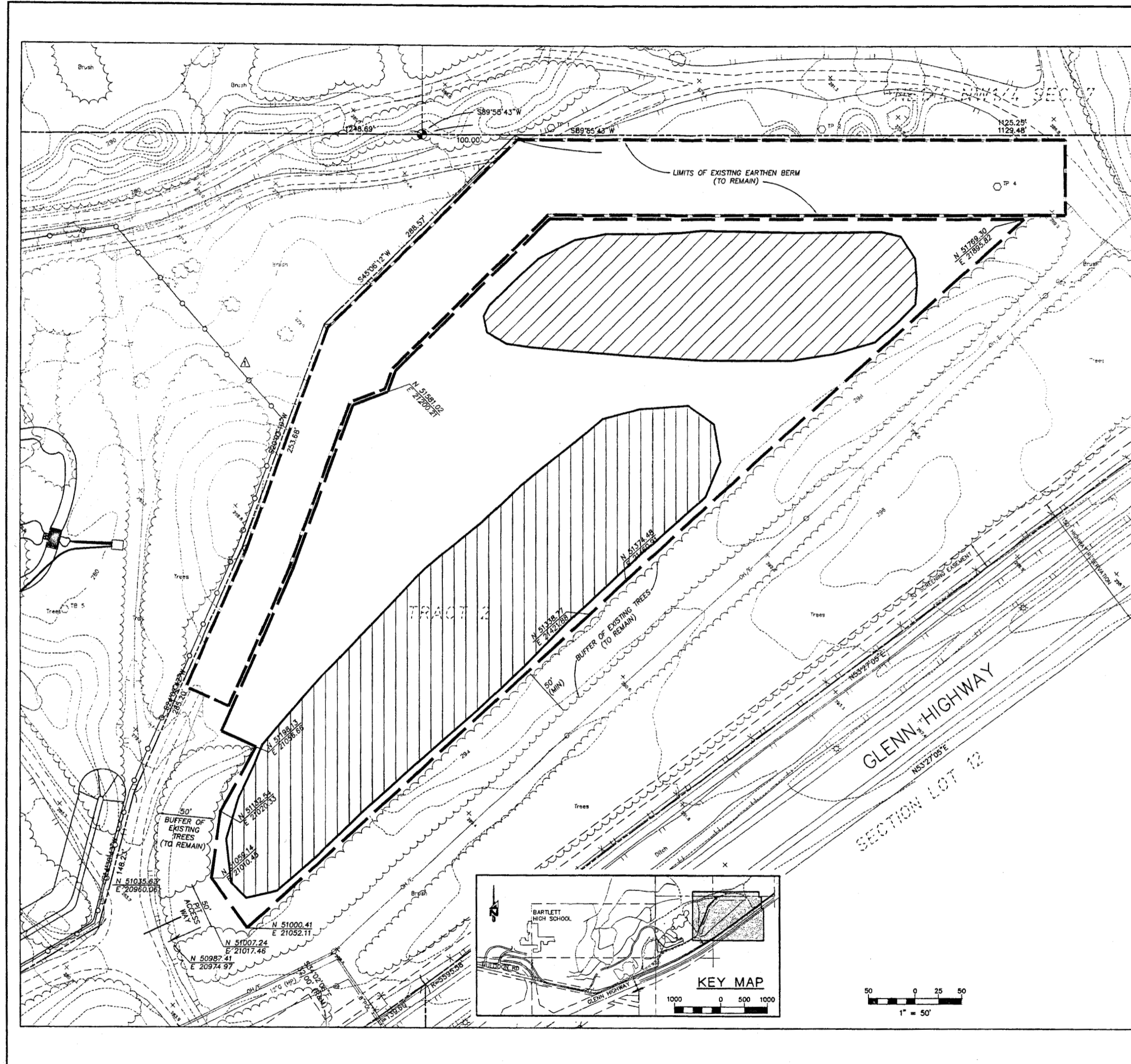
ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANHC
 ANCHORAGE, ALASKA
 SANITARY SEWER LIFT STATION

CONFORMED DRAWINGS

Date: 09/01/98
 Drawn: GLB
 Checked: KRH
 Job No.: 95023
 Sheet No.: IC7.1
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SCALE INDICATED RELATE TO
 30 X42 FULL-SIZE DRAWINGS

FILENAME: D54557B-3\DSIANHC3.DWG SCRIPI FILE: BORROW.SCR XREF: XREFBASE, XREFMLP CREATED: DEC-04 1997 12:23:58 UPPAHEAD: SEP 02 1998 10:18:00 PLOTTED: SEP 02 1998 14:27:07 (WSJ63)



NOTES

- 1B. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A SOURCE OF BACKFILL MATERIAL FOR THE ALASKA NATIVE HERITAGE (ANHC) PROJECT. IF THE QUANTITY OF CLASSIFIED MATERIAL REQUIRED FOR THE WORK EXCEEDS THAT AVAILABLE FROM THE BORROW/DISPOSAL AREA, THE CONTRACTOR SHALL LOCATE, OBTAIN, DEVELOP, AND PROVIDE CLASSIFIED MATERIAL TO COMPLETE THE REQUIREMENTS OF THE WORK. THE CONTRACTOR MAY REQUEST PERMISSION TO PERFORM ADDITIONAL SOIL TESTING AT THE BORROW/DISPOSAL AREA TO DETERMINE QUALITY AND QUANTITY OF AVAILABLE CLASSIFIED MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE BORROW/DISPOSAL AREA PRIOR TO BIDDING TO OBSERVE EXISTING CONDITIONS. THE BORROW/DISPOSAL AREA WAS PARTIALLY DEVELOPED DURING THE PREVIOUS PHASE OF WORK.
- 2B. THE BORROW/DISPOSAL AREA HAS ALSO BEEN PROVIDED FOR USE BY THE CONTRACTOR AS A DISPOSAL SITE FOR MATERIAL EXCAVATED FROM THE ANHC PROJECT THAT ARE UNSUITABLE AS BACKFILL OR SURPLUS TO CONSTRUCTION. DISPOSAL OF TREES, SHRUBS, STUMPS, AND ROOTS AT THE BORROW/DISPOSAL AREA IS NOT ALLOWED. THE CONTRACTOR SHALL REMOVE ALL TREES, SHRUBS, STUMPS, AND ROOTS TO A CONTRACTOR-FURNISHED DISPOSAL SITE.
- 3B. THE BORROW/DISPOSAL AREA HAS BEEN PROVIDED FOR THE SOLE USE OF THE ANHC PROJECT.
- 4B. THE CONTRACTOR SHALL OBTAIN A LAND USE PERMIT FROM COOK INLET REGION INC. (CIR) PRIOR TO WORK IN THE BORROW/DISPOSAL AREA. A DRAFT COPY OF THE LAND USE PERMIT IS INCLUDED IN THE SPECIFICATION. THE CONTRACTOR SHALL REVIEW THE PERMIT STIPULATIONS, SPECIAL CONDITIONS, AND FIELD OPERATIONS REQUIREMENTS IDENTIFIED IN THE DRAFT LAND USE PERMIT AND BE PREPARED TO COMPLY WITH THESE REQUIREMENTS IF INTENDING TO UTILIZE THE BORROW/DISPOSAL AREA. THE CONTRACTOR SHALL CONTACT WILLIAM TAL SENIOR LAND MANAGEMENT OFFICER AT COOK INC. REGION, INC. AT 263-5107 TO FINALIZE THE PERMIT PRIOR TO BEGINNING WORK IN THE BORROW/DISPOSAL AREA.
- 5B. UTILIZATION OF THE BORROW/DISPOSAL AREA SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. BORROW/DISPOSAL AREA USE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO REMOVAL OF OVERBURDEN, EXCAVATION OF BORROW MATERIAL, AND DISPOSAL OF UNSUITABLE EXCAVATION FROM THE ANHC PROJECT. THE BORROW MATERIAL IS BEING PROVIDED TO THE ANHC PROJECT AT NO COST TO THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE ALL OTHER COSTS ASSOCIATED WITH THE USE OF THE BORROW/DISPOSAL AREA IN THEIR BID.
- 6B. THE CONTRACTOR SHALL SUBMIT A GRAVEL EXTRACTION AND DISPOSAL PLAN INDICATING HOW THE BORROW/DISPOSAL AREA WILL BE UTILIZED.
- 7B. THE CONTRACTOR SHALL COVER ANY ORGANIC MATERIAL DISPOSED OF AT THE BORROW/DISPOSAL AREA WITH A MINIM 4 FOOT LAYER OF SILTS, GRAVELS, OR SANDS CONTAIN 10 PERCENT MAXIMUM ORGANIC MATERIALS.
- 8B. THE HORIZONTAL LIMITS OF THE BORROW/DISPOSAL AREA ARE SHOWN ON THE DRAWING.
- 9B. EXISTING GROUND CONTOURS HAVE BEEN REMOVED FROM THIS DRAWING BECAUSE THE ORIGINAL CONTOURS ARE NO LONGER VALID DUE TO WORK COMPLETED DURING THE SUMMER OF 1997. THE CONTRACTOR SHALL VISIT THE SITE TO OBSERVE EXISTING CONDITIONS PRIOR TO BID.
- 10B. ALL EXCAVATION SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.
- 10B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF THE BORROW/DISPOSAL AREA. RESTORATION OF APPROXIMATELY 6.1 ACRE BORROW / DISPOSAL AREA INCLUDING GRADING OF ENTRY TO PROVIDE MAXIMUM 8% PIT ACCESS DRIVE AND MAXIMUM 4% AVERAGE GRADE THROUGHOUT THE REMAINING AREA TO ACCOMMODATE USE AS FUTURE SNOW STORAGE SITE. A 1 INCH LAYER OF TOPSOIL AND HYDRO-SEEDING WILL ALSO BE REQUIRED. THE AREA HAS BEEN EXCAVATED TO A DEPTH OF 30 FEET IN SOME LOCATIONS. CONTRACTOR IS ADVISED TO VISIT BORROW / DISPOSAL AREA PRIOR TO BID.

| NO. | DATE | REVISION | BY |
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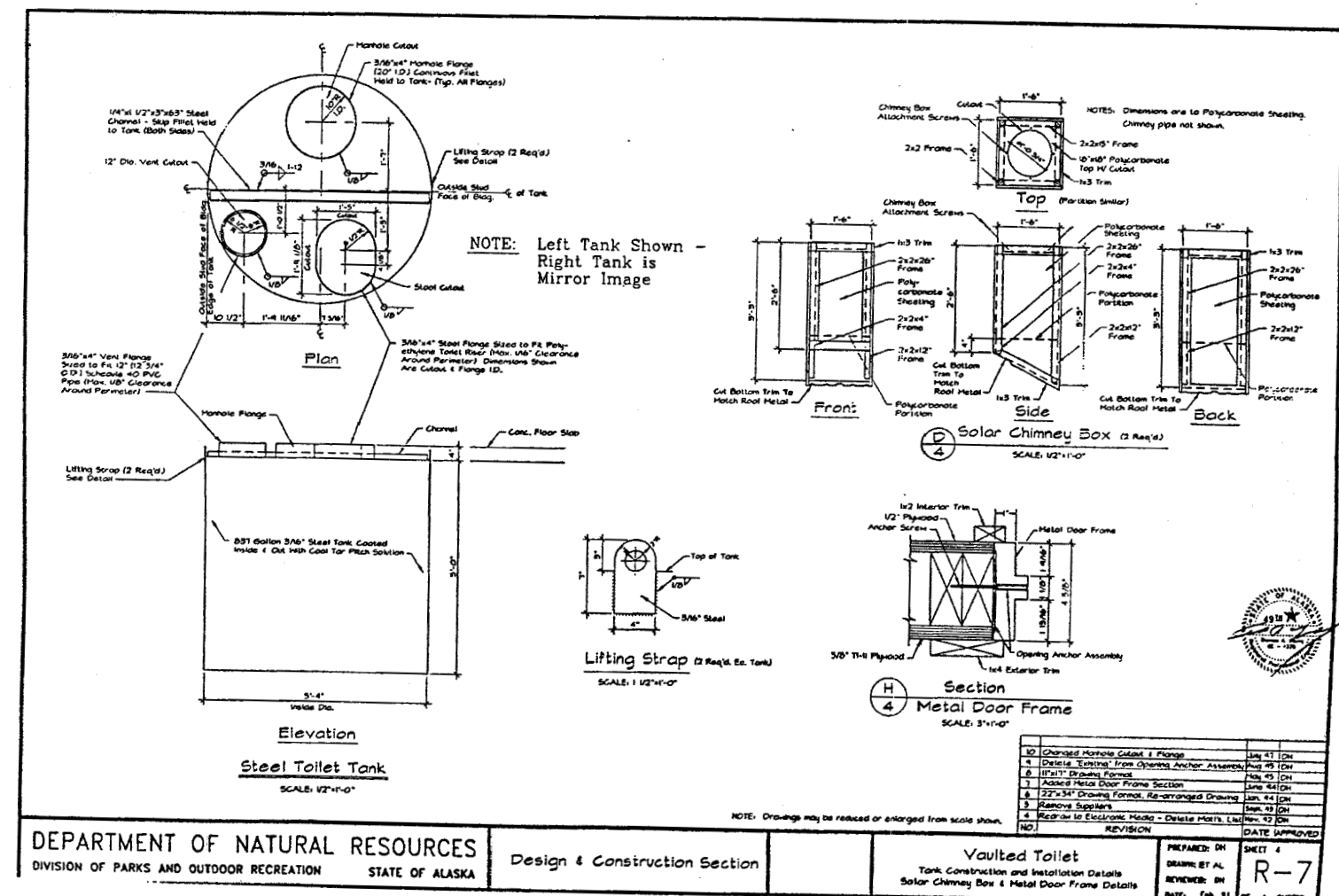
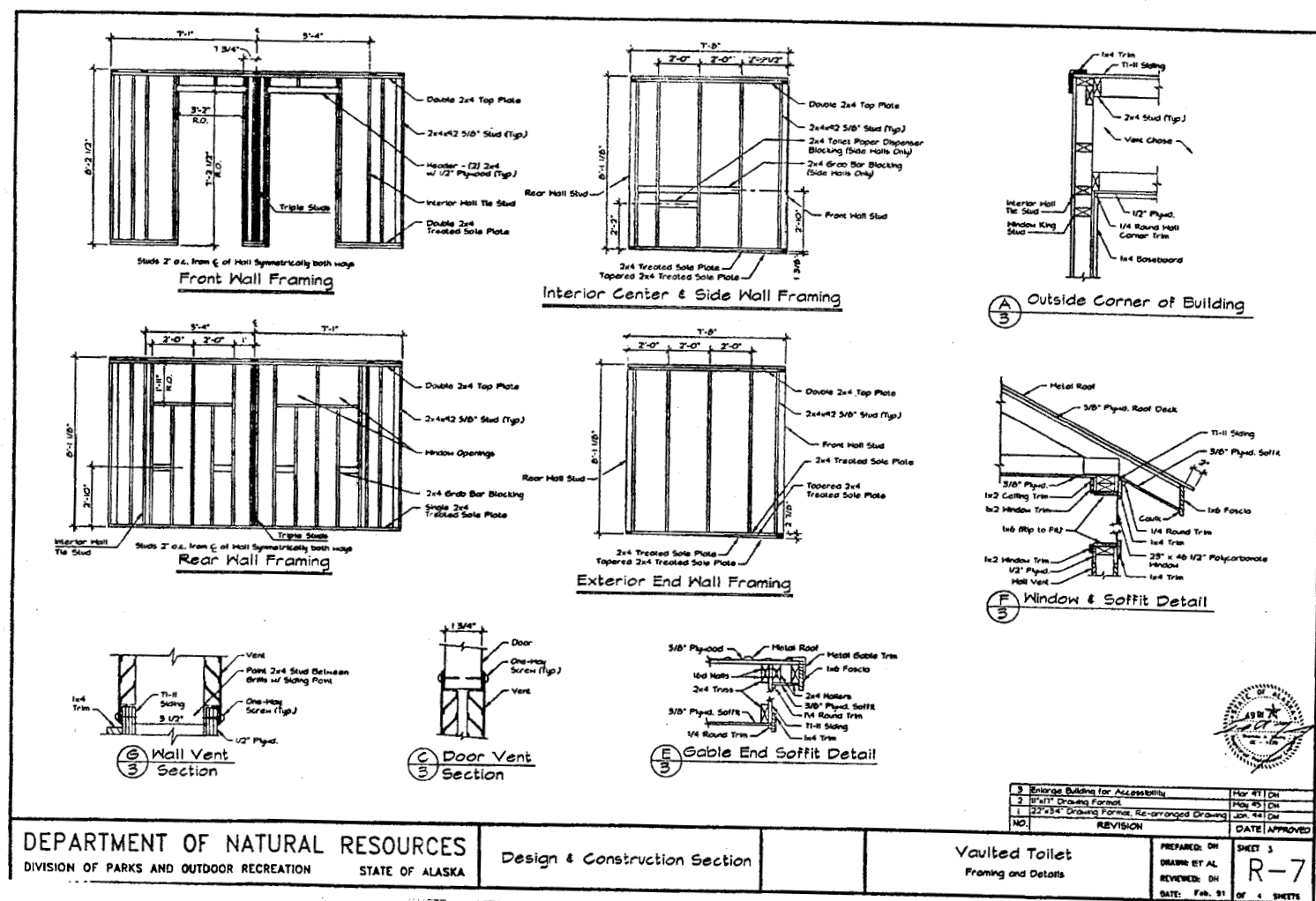
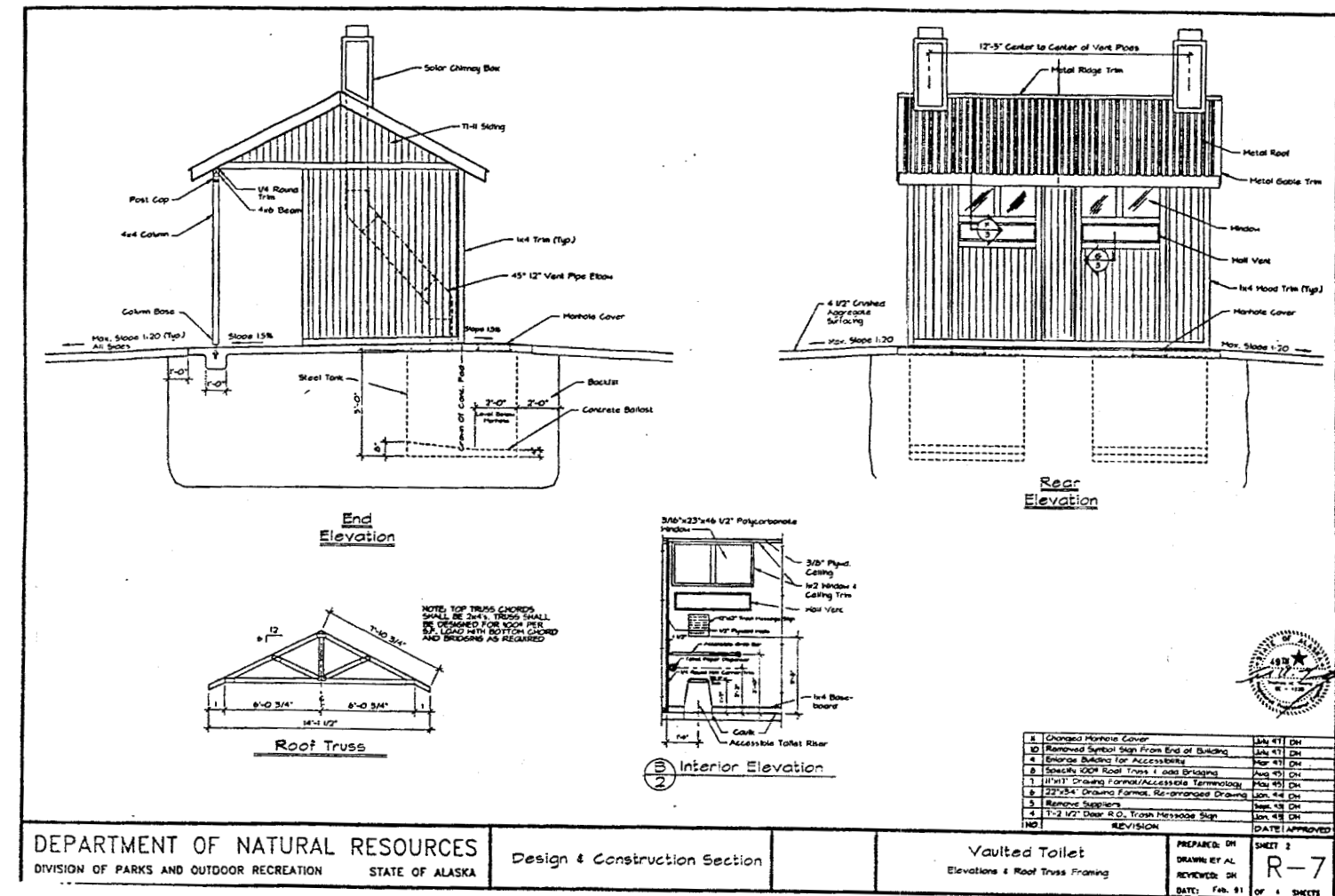
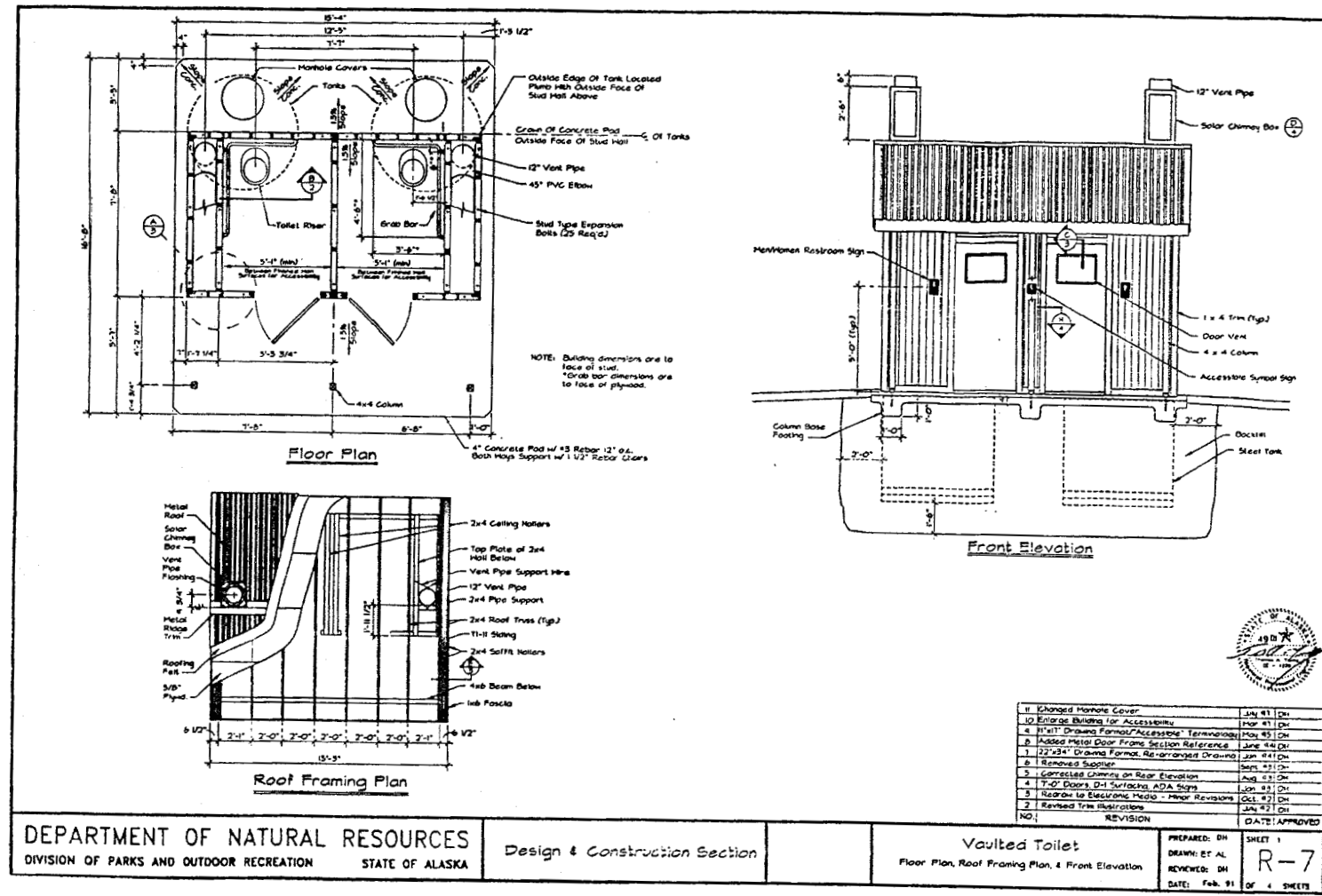
ALASKA NATIVE HERITAGE CENTER - PHASE III
 ANHC
 ANCHORAGE, ALASKA
 BORROW / DISPOSAL AREA SITE PLAN

CONFORMED DRAWINGS

Date 09/01/98
 Drawn GLB
 Checked KRH
 Job No. 95023

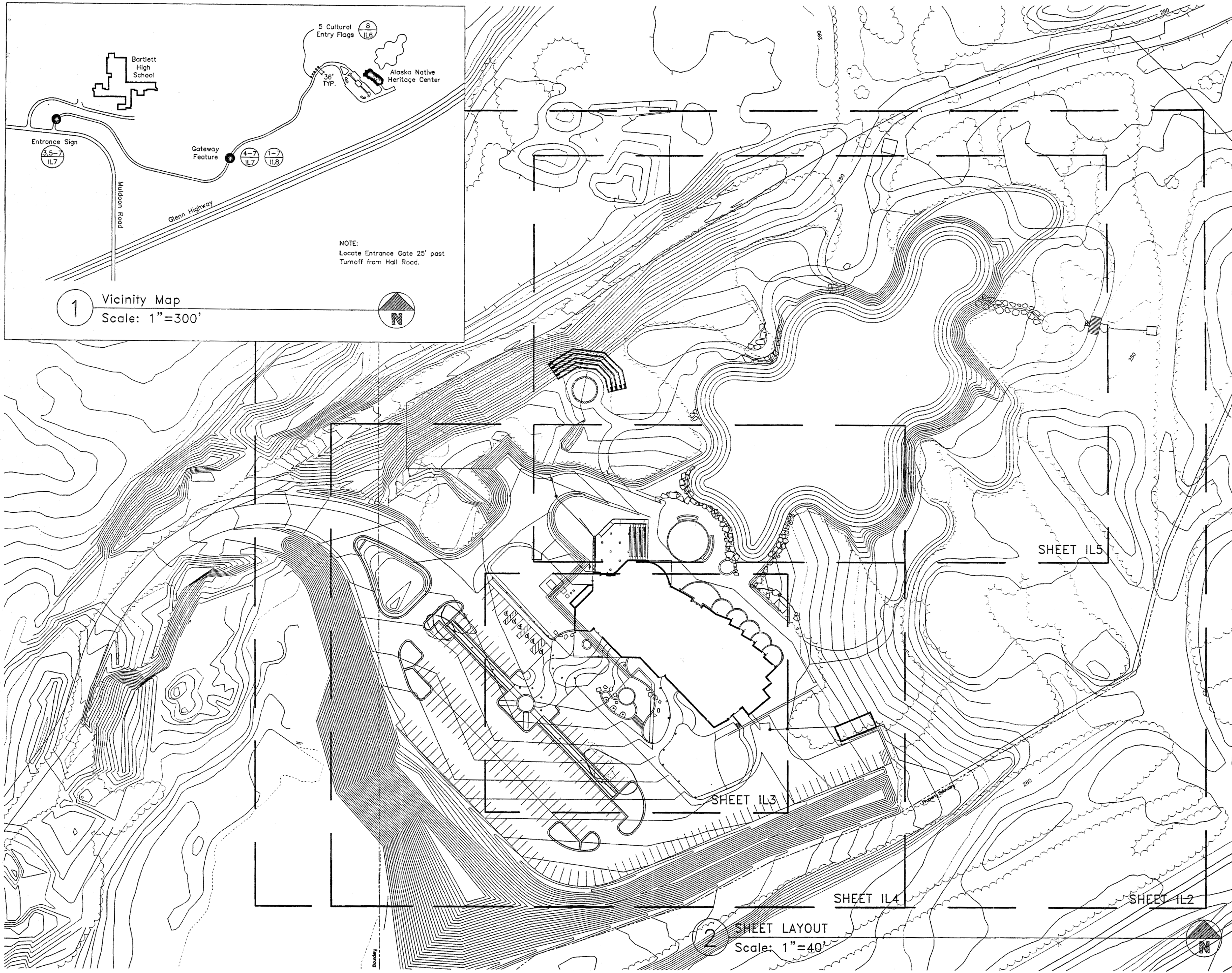
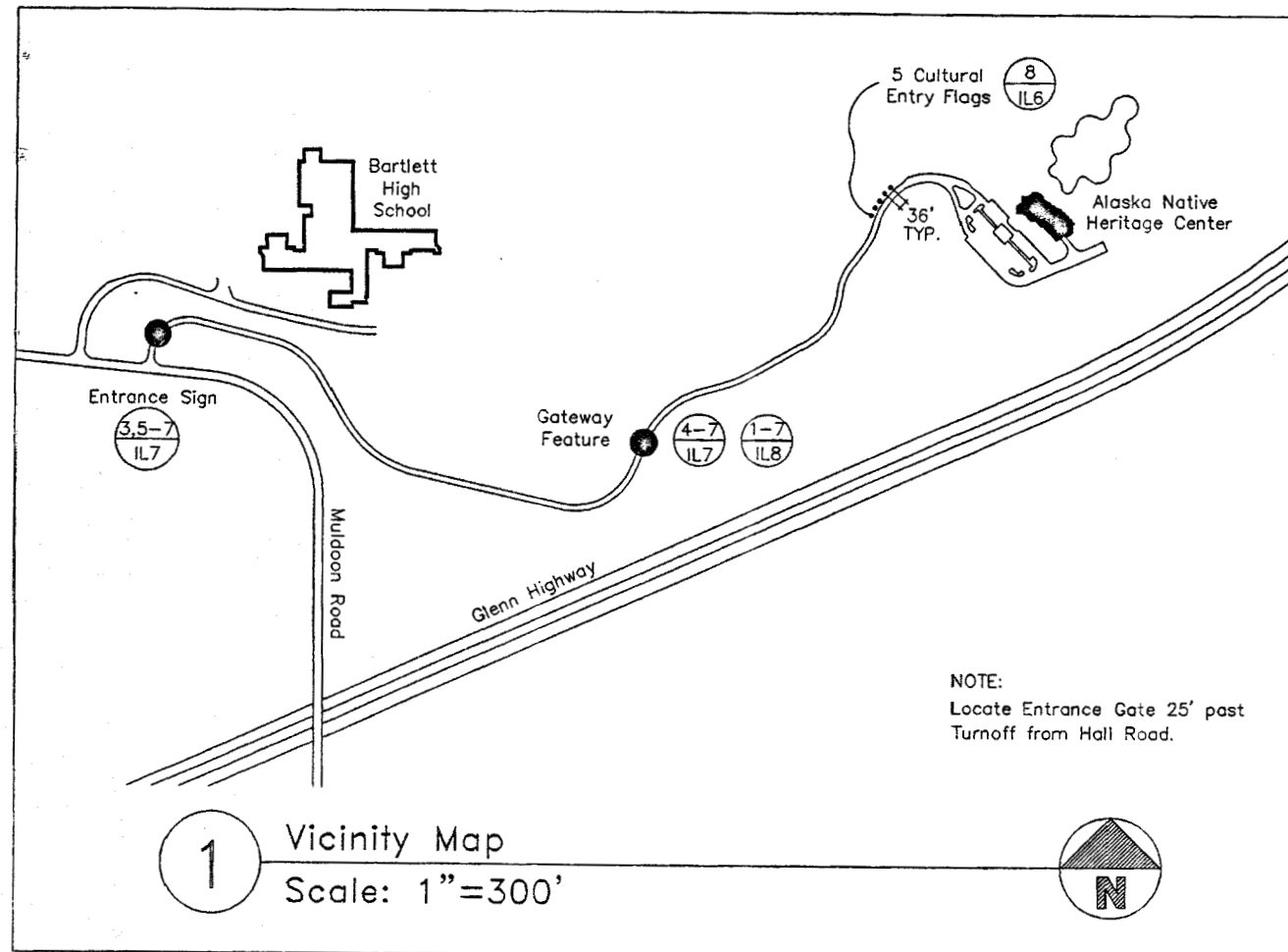
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SCALE INDICATED RELATE TO 30 X 42 FULL-SIZE DRAWINGS



NOTE:
CONSTRUCTION OF THE BUILDING ENCLOSURE SHALL BE COORDINATED WITH THE ARCHITECT DURING PHASE III TO PROVIDE A CONSISTENT THEME BETWEEN MAIN BUILDING, MAINTENANCE BUILDING, AND PUMP HOUSE.

SCALE: INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS



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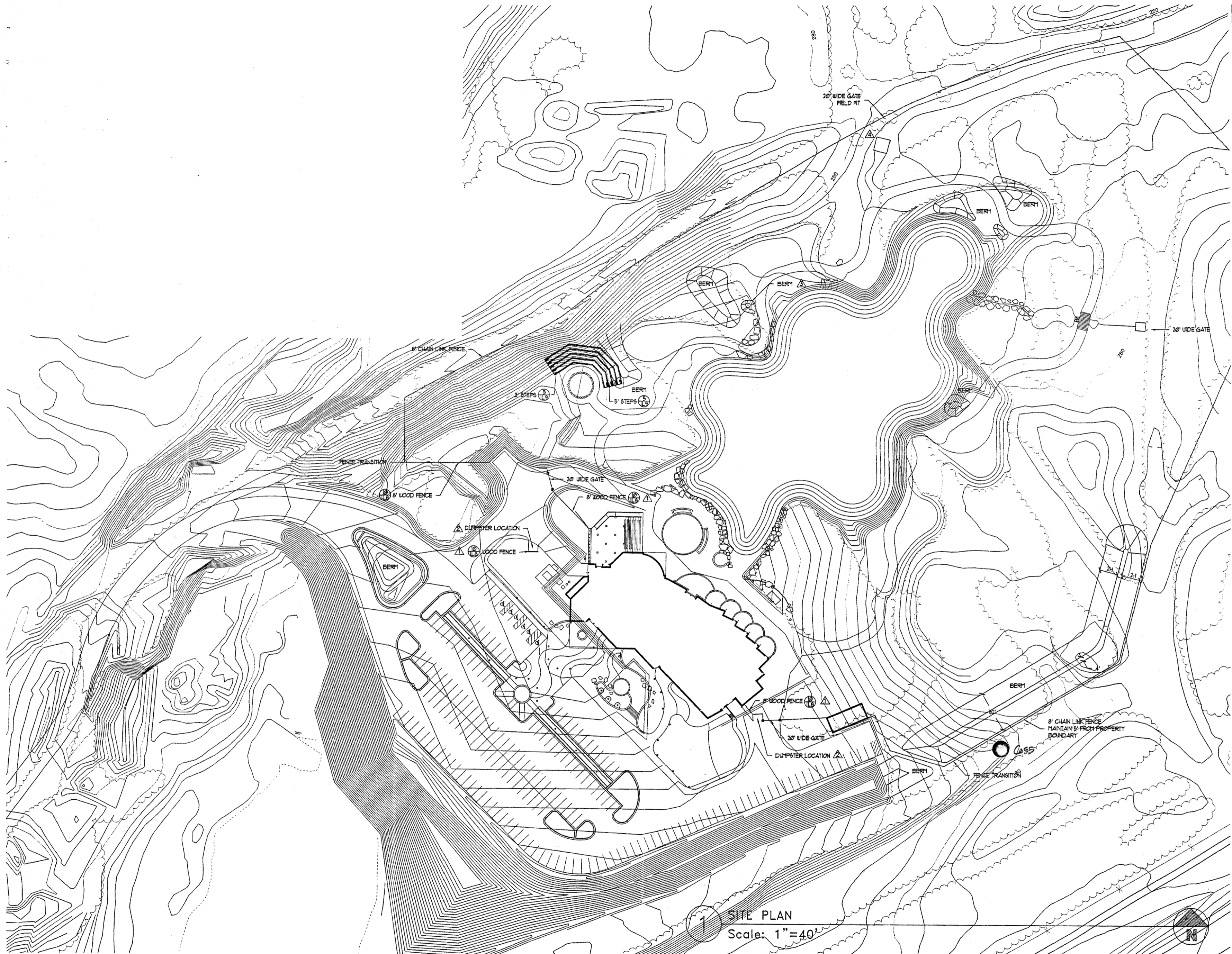
ALASKA NATIVE HERITAGE CENTER—PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 SHEET LAYOUT

| Revisions | |
|-----------|--|
| | |
| | |

CONFORMED DRAWINGS

| | |
|-----------|----------|
| Date | 09/01/98 |
| Drawn | MM |
| Checked | WDA |
| Job No. | 95023 |
| Sheet No. | IL1 |

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1 SITE PLAN
Scale: 1" = 40'



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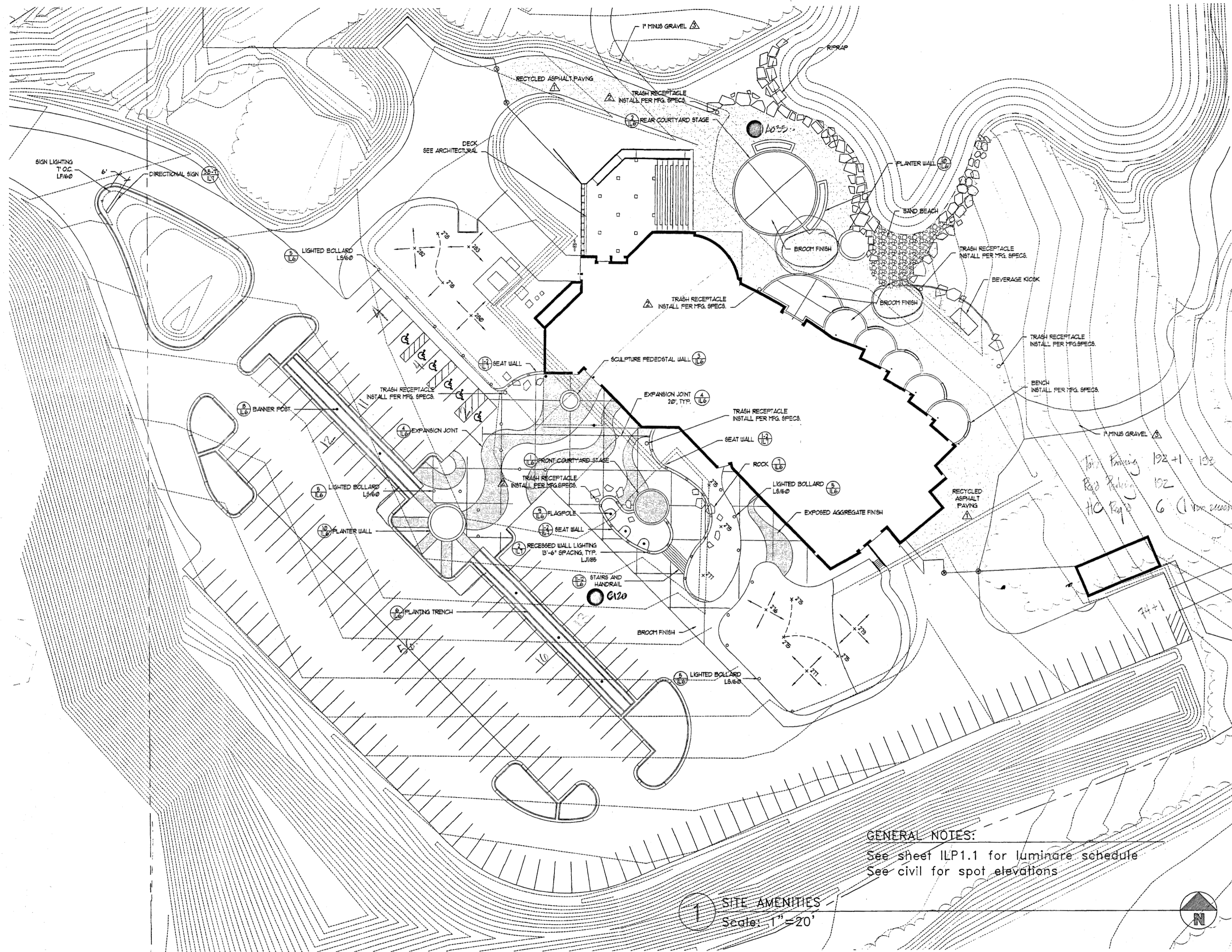
ALASKA NATIVE HERITAGE CENTER - PHASE II FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 SITE PLAN

- Revisions
- ▲ FENCE LOCATION
 - ▲ DUMPSTER LOCATION
 - ▲ NEW BERM
 - ▲ NEW RR LOCATION

CONFORMED DRAWINGS

Date 09/01/98
 Drawn MM
 Checked WDA
 Job No. 95023

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For Review 192-1-193
 Rep Review 192
 HC Rep 6 (1 item available)

GENERAL NOTES:
 See sheet ILP1.1 for luminaire schedule
 See civil for spot elevations

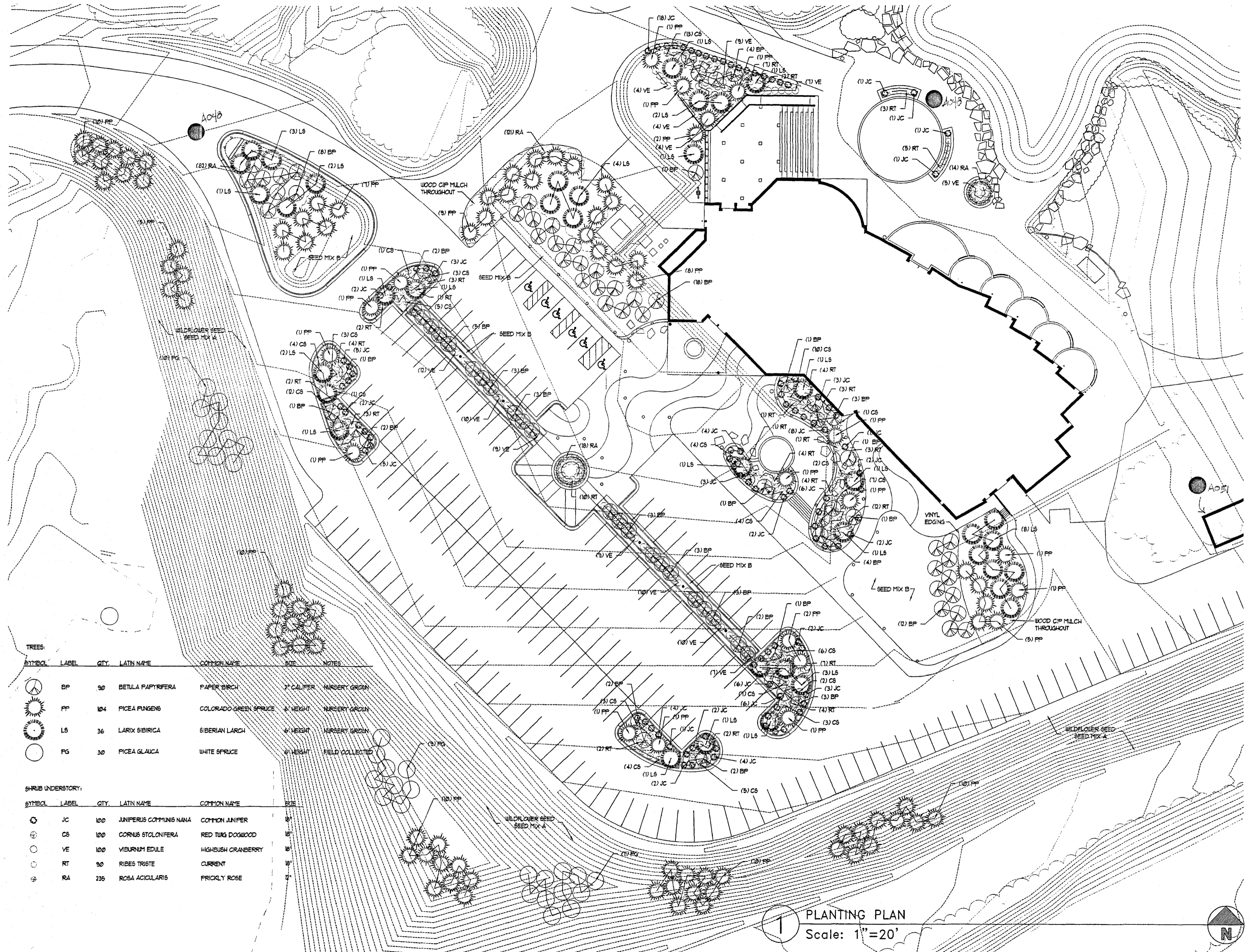
1 SITE AMENITIES
 Scale: 1" = 20'



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 SITE AMENITIES

| | |
|--|----------|
| Revisions | |
| ▲ RAP | |
| ▲ TRASH RECEPTACLE | |
| ▲ 1" MINUS GRAVEL | |
| CONFORMED DRAWINGS | |
| Date | 09/01/98 |
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| Checked | WDA |
| Job No. | 95023 |
| Sheet No. | IL3 |
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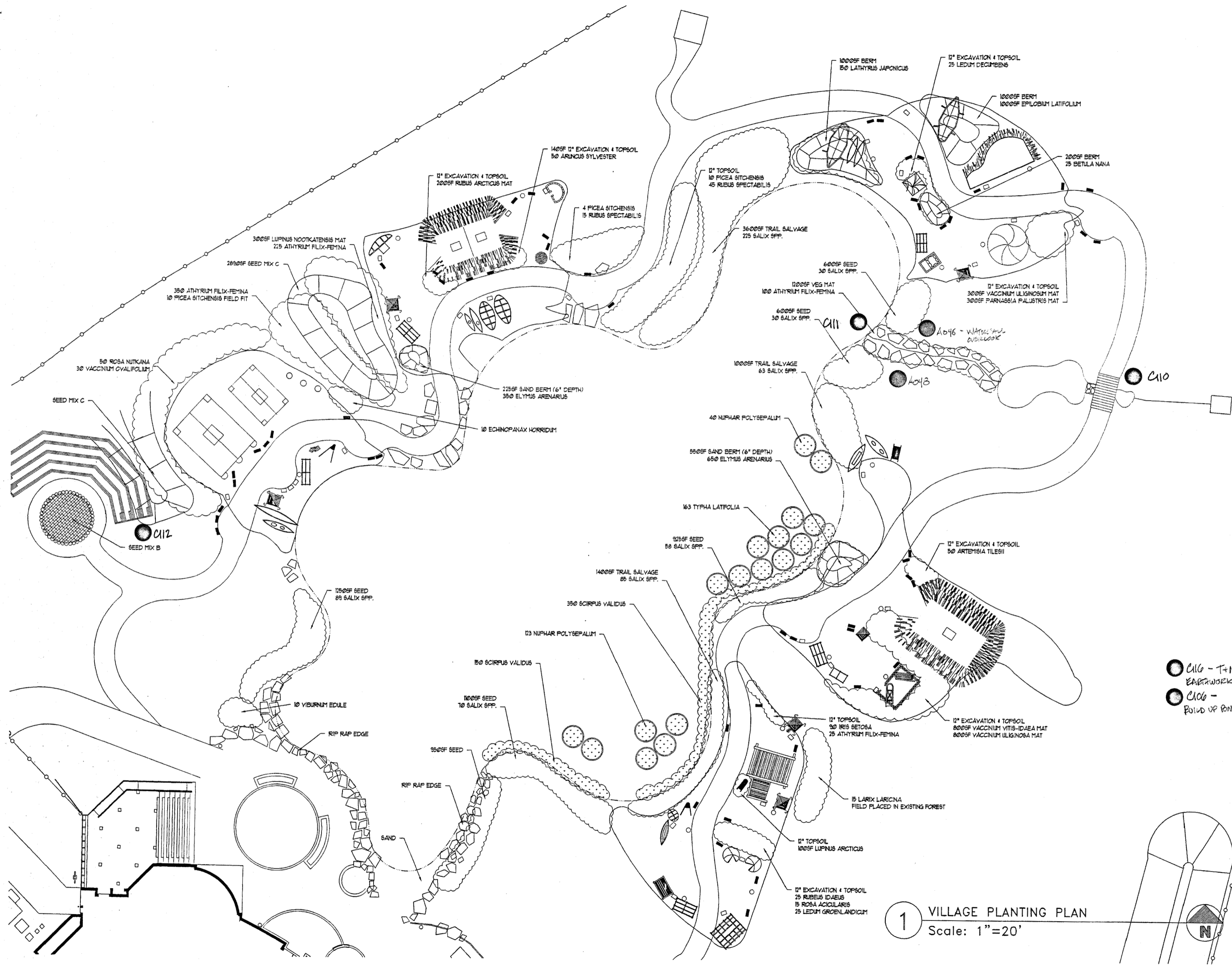
TREES:

| SYMBOL | LABEL | QTY. | LATIN NAME | COMMON NAME | SIZE | NOTES |
|--------|-------|------|-------------------|-----------------------|------------|-----------------|
| | BP | 30 | BETULA PAPIRIFERA | PAPER BIRCH | 2" CALIPER | NURSERY GROWN |
| | PP | 104 | PICEA PUNGENS | COLORADO GREEN SPRUCE | 6" HEIGHT | NURSERY GROWN |
| | LS | 36 | LARIX SIBIRICA | SIBERIAN LARCH | 6" HEIGHT | NURSERY GROWN |
| | FG | 30 | PICEA GLAUCA | WHITE SPRUCE | 6" HEIGHT | FIELD COLLECTED |

SHRUB UNDERSTORY:

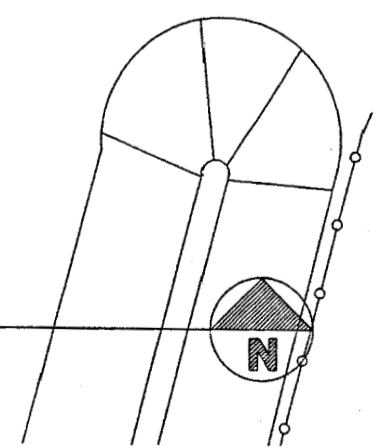
| SYMBOL | LABEL | QTY. | LATIN NAME | COMMON NAME | SIZE |
|--------|-------|------|-------------------------|--------------------|------|
| | JC | 100 | JUNIPERUS COMMUNIS NANA | COMMON JUNIPER | 18" |
| | CS | 100 | CORNUS STOLONIFERA | RED TUNG DOGWOOD | 18" |
| | VE | 100 | VIBURNUM EDULE | HIGHBUSH CRANBERRY | 18" |
| | RT | 30 | RIBES TRISTE | CURRENT | 18" |
| | RA | 235 | ROSA ACICULARIS | PRICKLY ROSE | 12" |

1 PLANTING PLAN
Scale: 1" = 20'



● C110 - T+M
 BARROWSK
 ● C100 -
 BOUND UP BOND BANK

1 VILLAGE PLANTING PLAN
 Scale: 1"=20'



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 VILLAGE PLAN

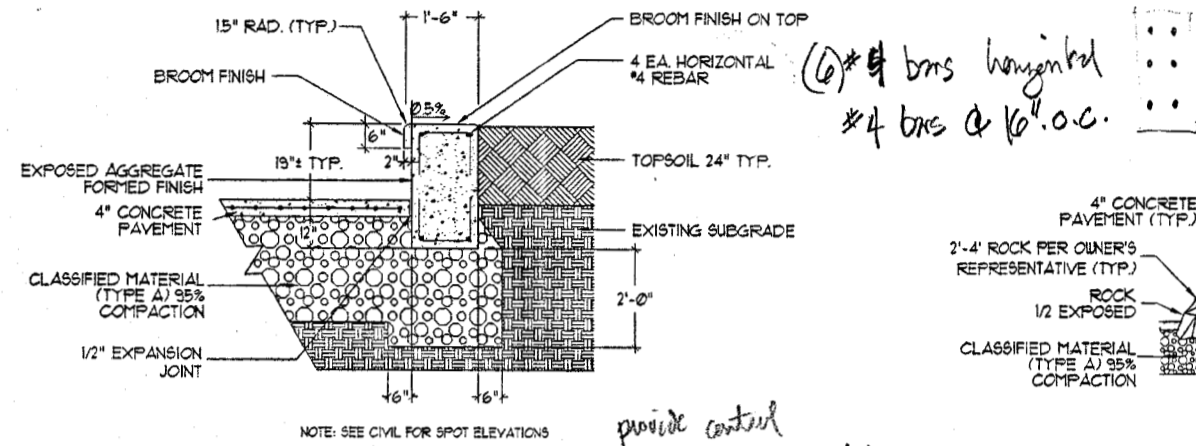
Revisions
 Δ REPLACE ENTIRE VILLAGE PLANTING

CONFORMED DRAWINGS

Date 09/01/98
 Drawn MA
 Checked WDA
 Job No. 95023

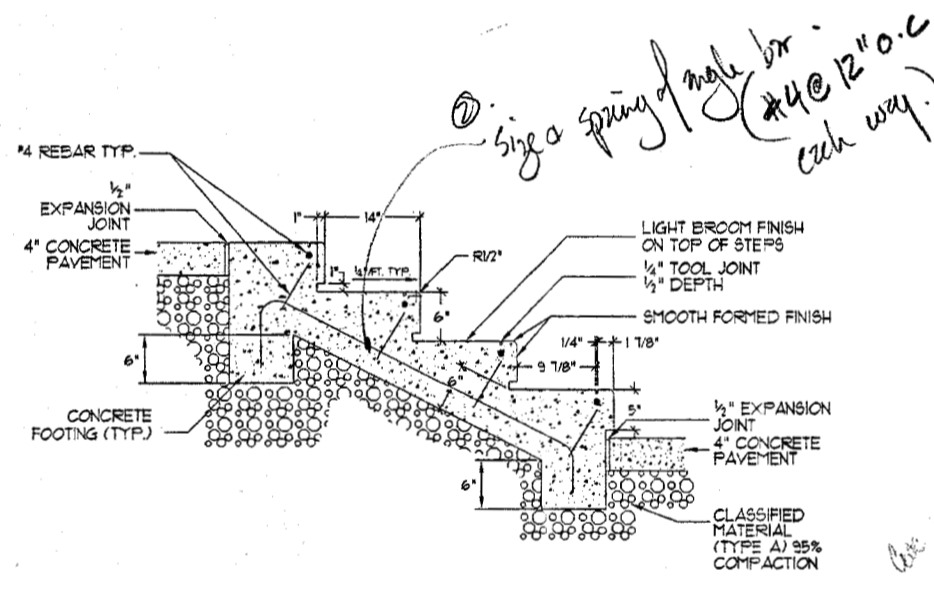
Sheet No.
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③ elevations & dimensions of steps

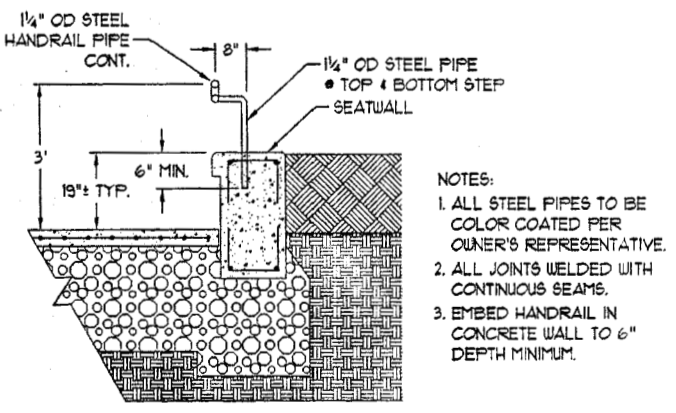


10 A038 PLANTER WALL SCALE: 1/2" = 1'

① size & spacing of 'v' bars

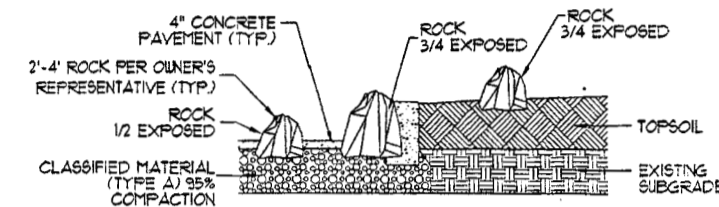


11 A038 STAIRS NOT TO SCALE

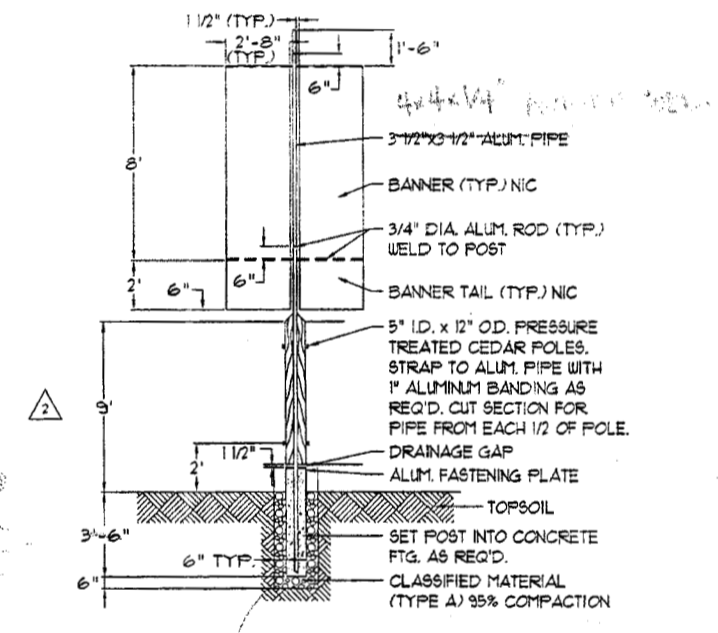


12 HANDRAIL NOT TO SCALE

① size & spacing of 'v' bars

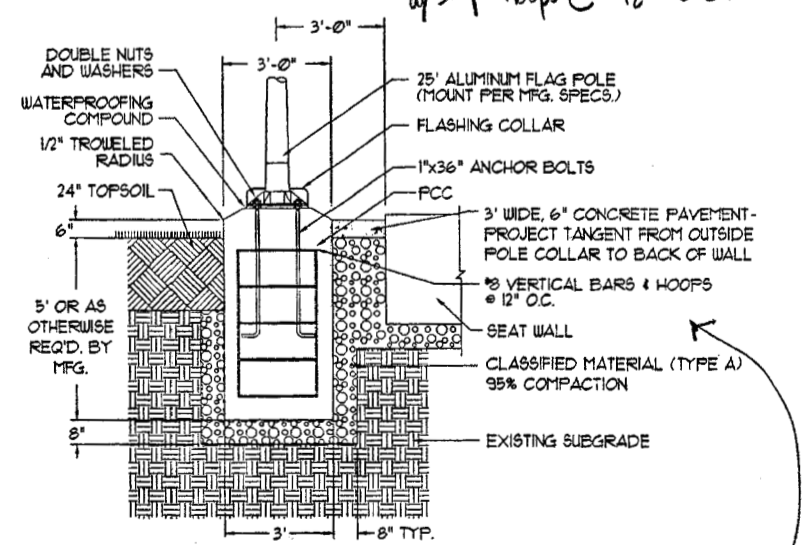


7 ROCK PLACEMENT SCALE: 1/4" = 1'



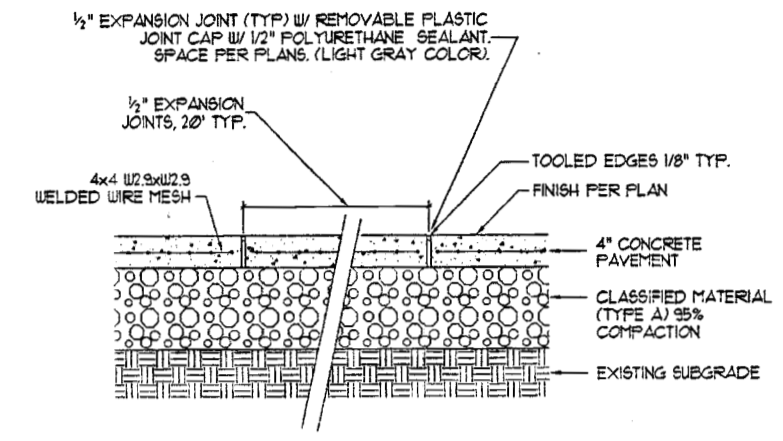
8 A036 BANNER POST SCALE: 1/4" = 1'

② #8 vertical @ eq. w/ #4 hoops @ 12\"/>

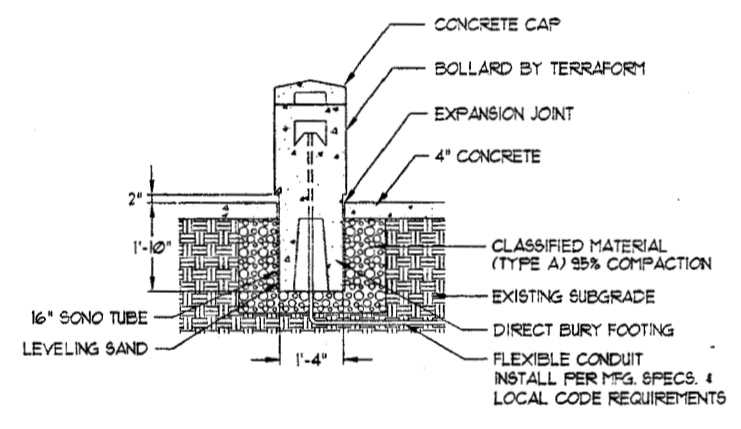


9 A038 FLAGPOLE SCALE: 3/8" = 1'

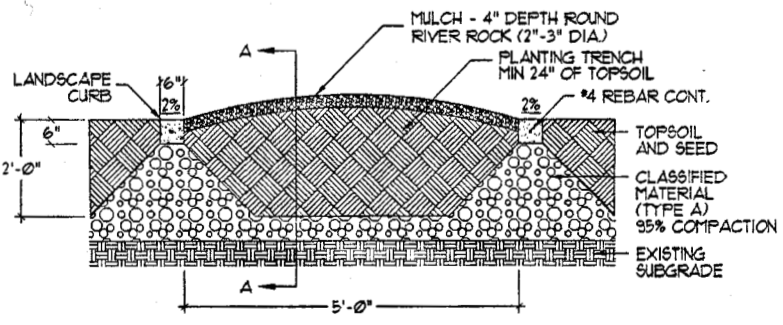
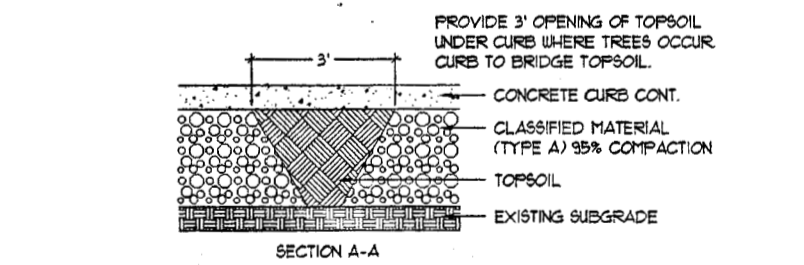
① size & spacing of hoops (concrete #8)



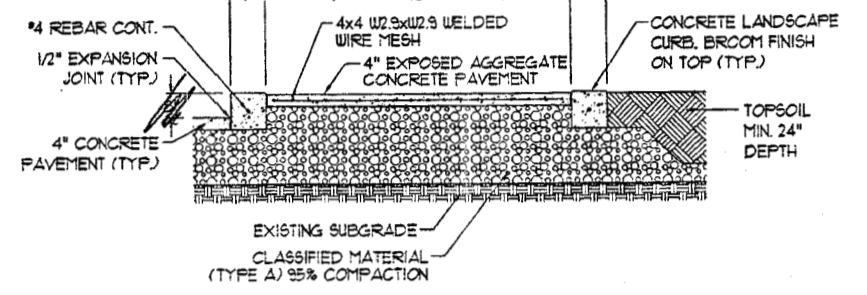
4 EXPANSION JOINT SCALE: 1" = 1'



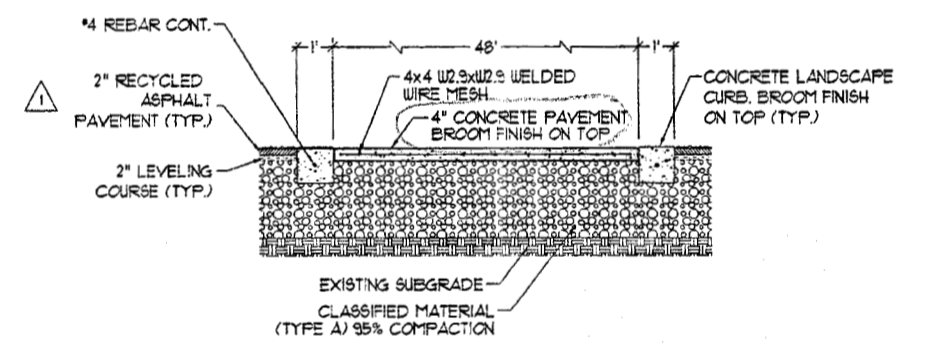
5 LIGHTED BOLLARD SCALE: 1/2" = 1'



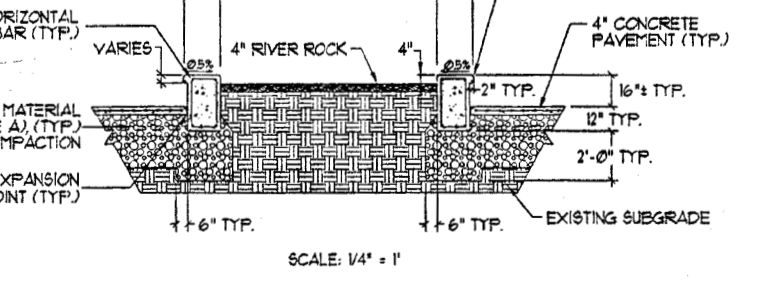
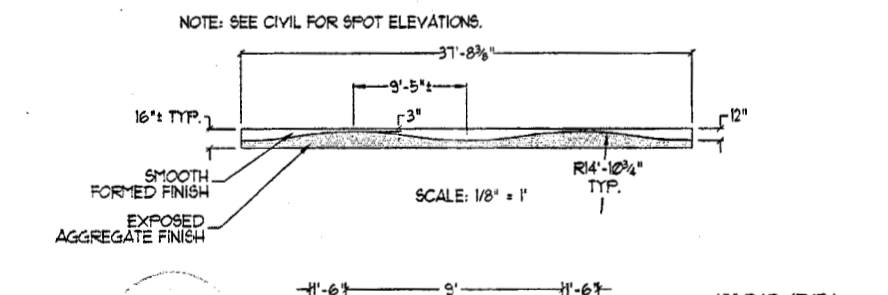
6 PLANTING TRENCH SCALE: 1/2" = 1'



1 FRONT COURTYARD STAGE SCALE: 3/8" = 1'



2 REAR COURTYARD STAGE SCALE: 3/8" = 1'



3 A038 SCULPTURE FEDESTAL SCALE AS NOTED

② size & spacing of tie #3 @ 12\"/>



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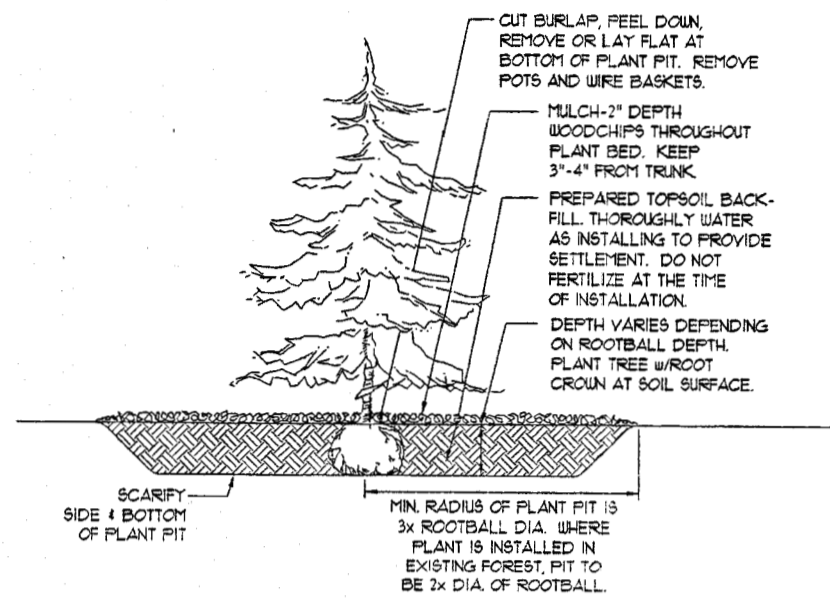
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 LANDSCAPE DETAILS

Revisions
 1 RAP
 2 BANNER HEIGHT

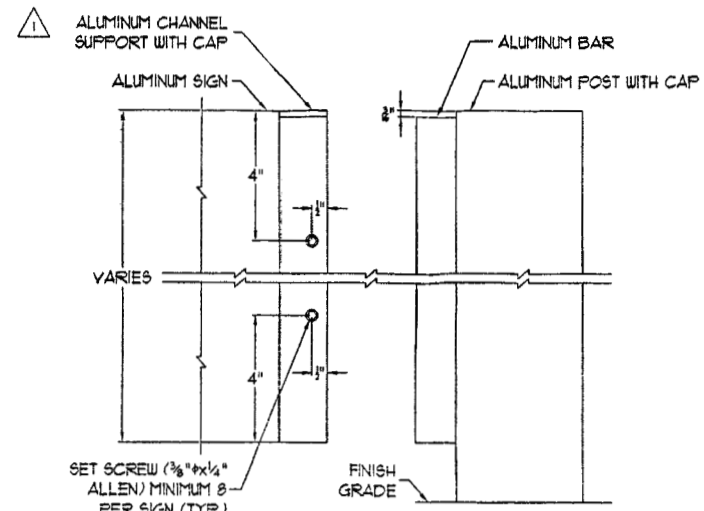
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 Checked: WDA
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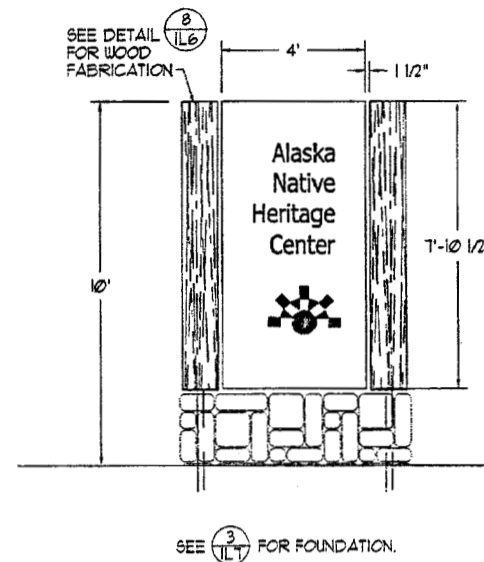
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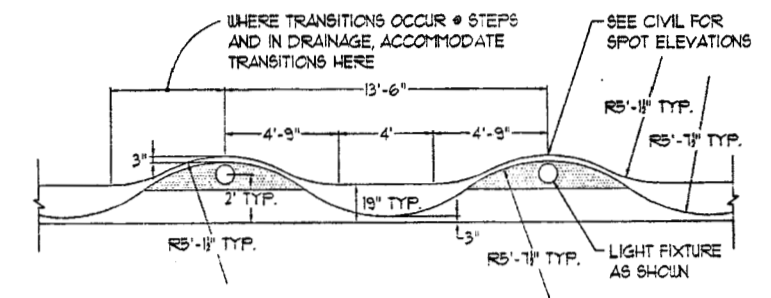
10 EVERGREEN PLANTING DETAIL
NOT TO SCALE



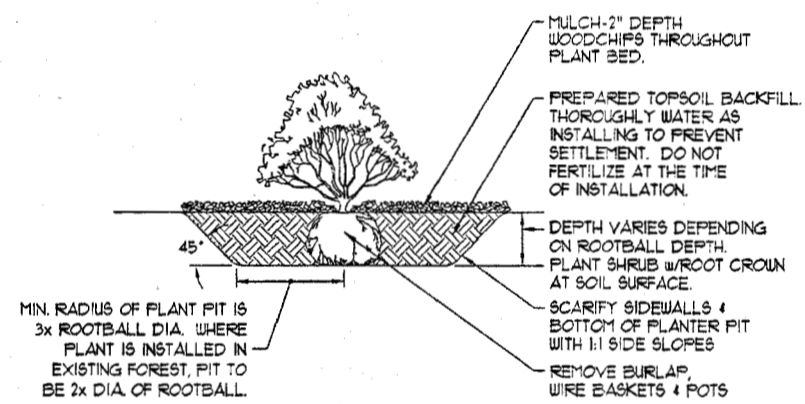
7 SIGN POST ATTACHMENT ELEVATION
SCALE: 4" = 1'



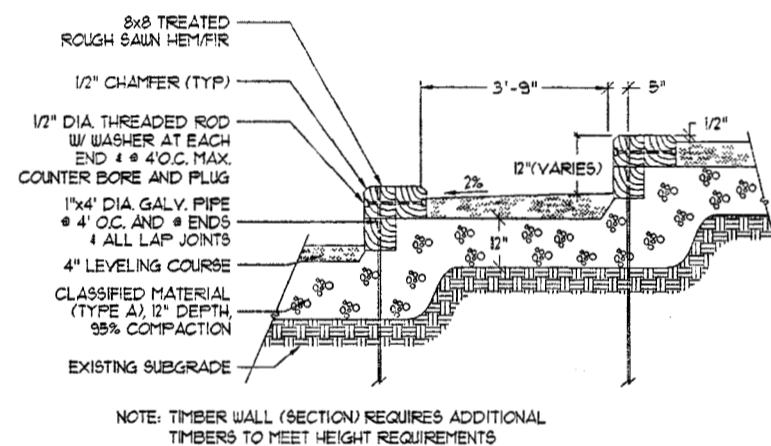
4 GATEWAY ENTRANCE SIGN
SCALE: 1/2" = 1'



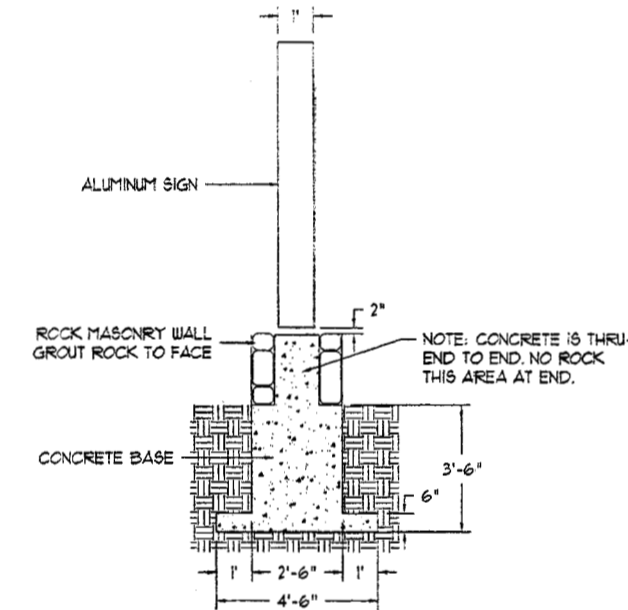
1 SEAT WALL
SCALE: 1/4" = 1'



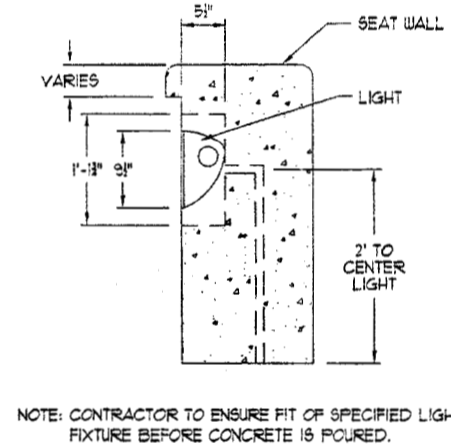
11 SHRUB PLANTING DETAIL
NOT TO SCALE



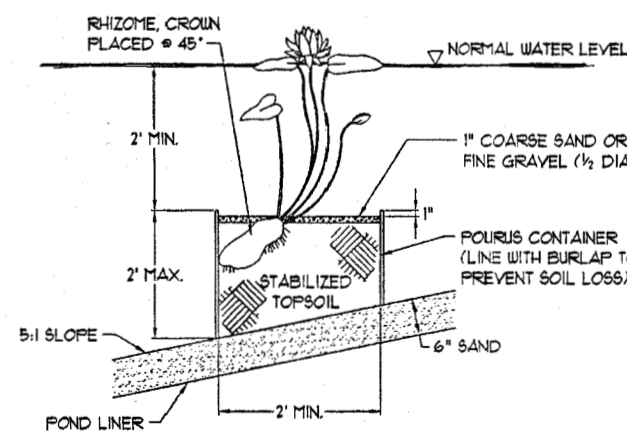
8 AMPHITHEATER SEAT WALL
SCALE: 1/2" = 1'



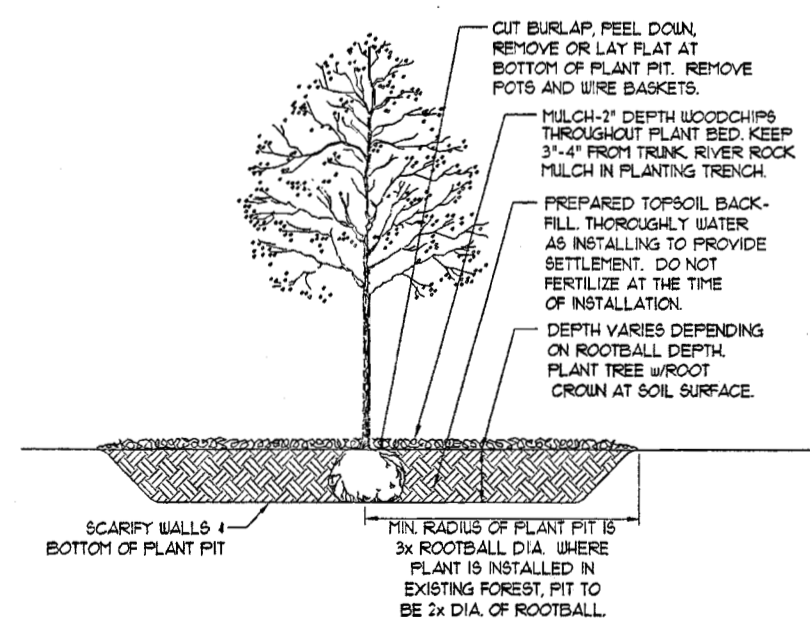
5 SIGN SECTION
SCALE: 1/2" = 1'



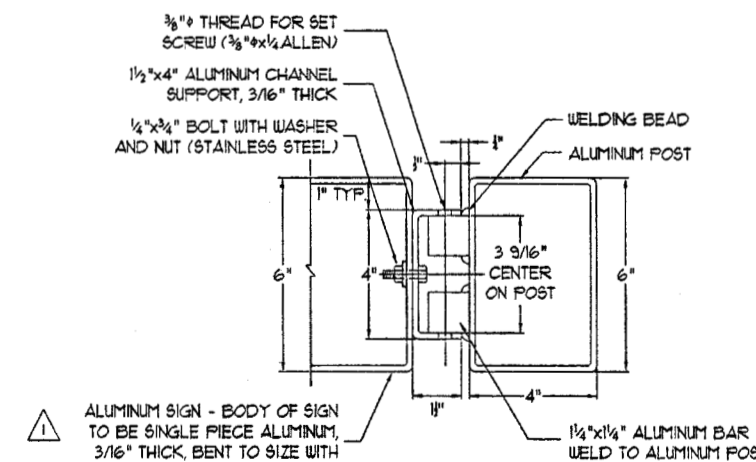
2 SEAT WALL LIGHT
SCALE: 1" = 1'



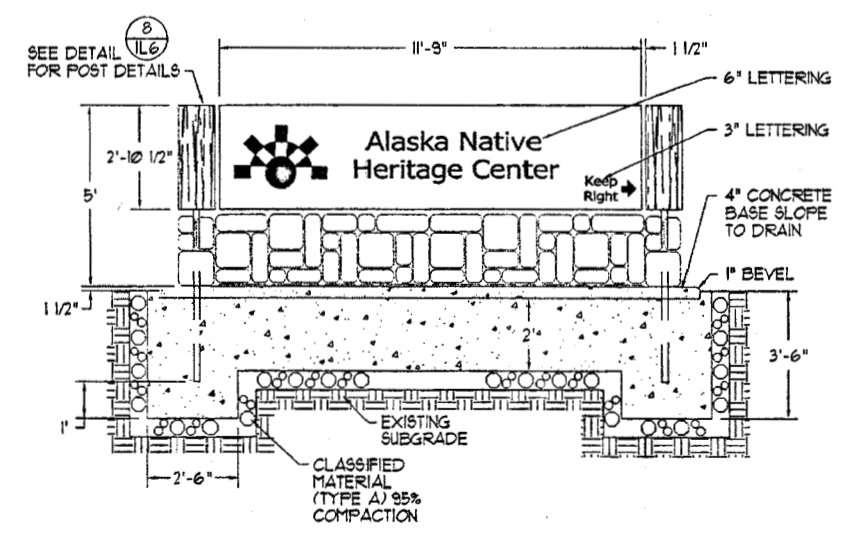
12 AQUATIC EMERGENT PLANTING DETAIL
NOT TO SCALE



9 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



6 SIGN POST ATTACHMENT SECTION
SCALE: 4" = 1'



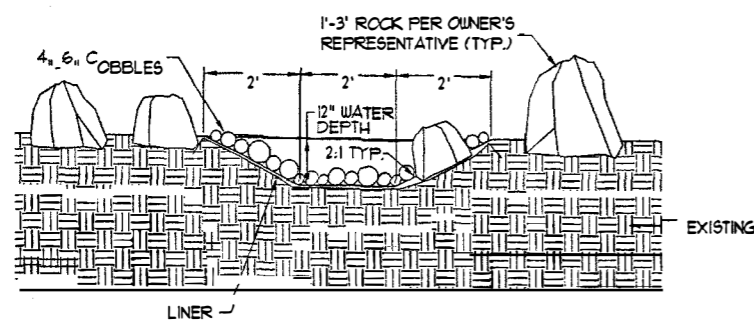
3 DIRECTIONAL SIGN
SCALE: 1/2" = 1'



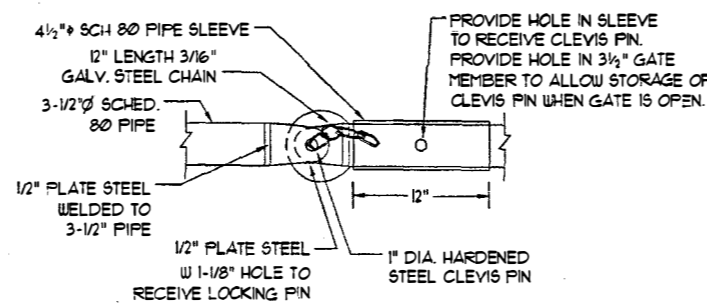
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ALASKA NATIVE HERITAGE CENTER—PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA
LANDSCAPE DETAILS

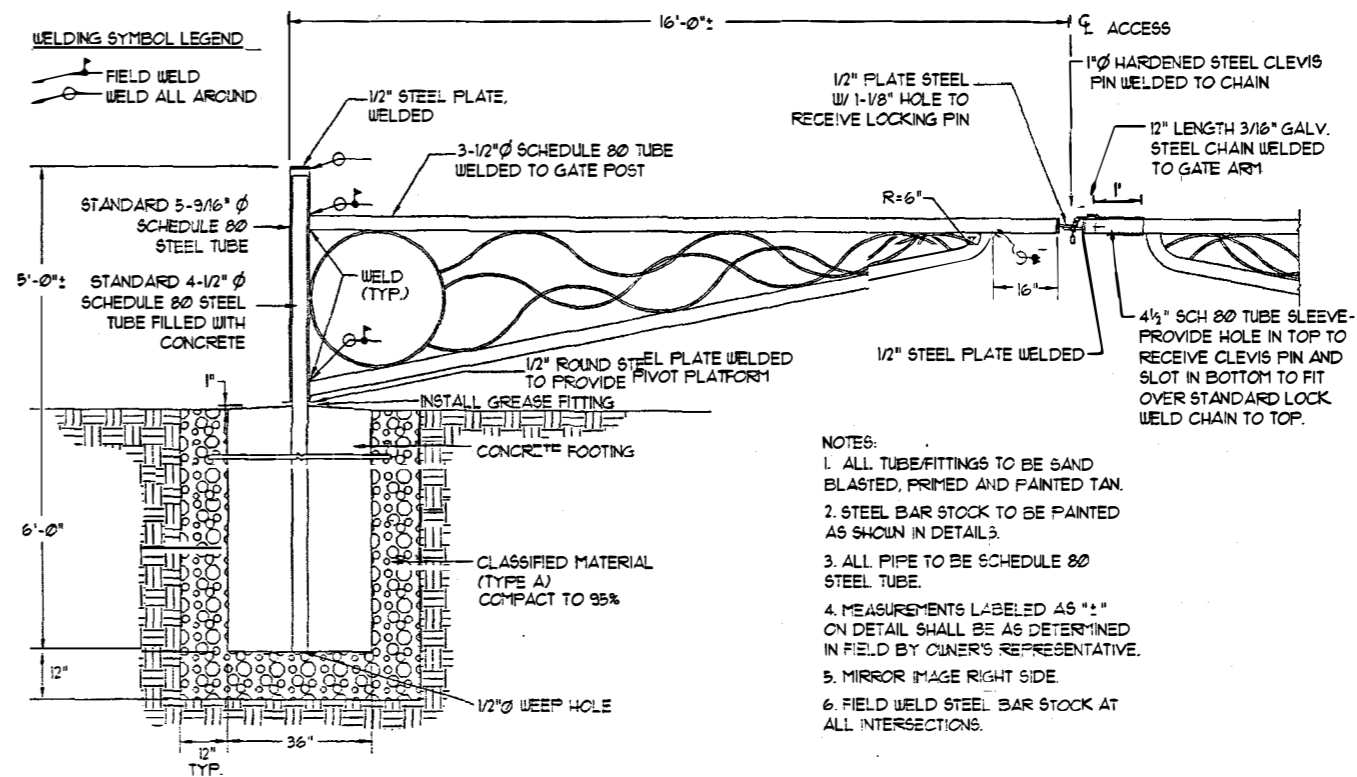
Revisions
1 ALUMINUM SIGN
CONFORMED DRAWINGS
Date 09/01/98
Drawn KP
Checked WDA
Job No. 95023
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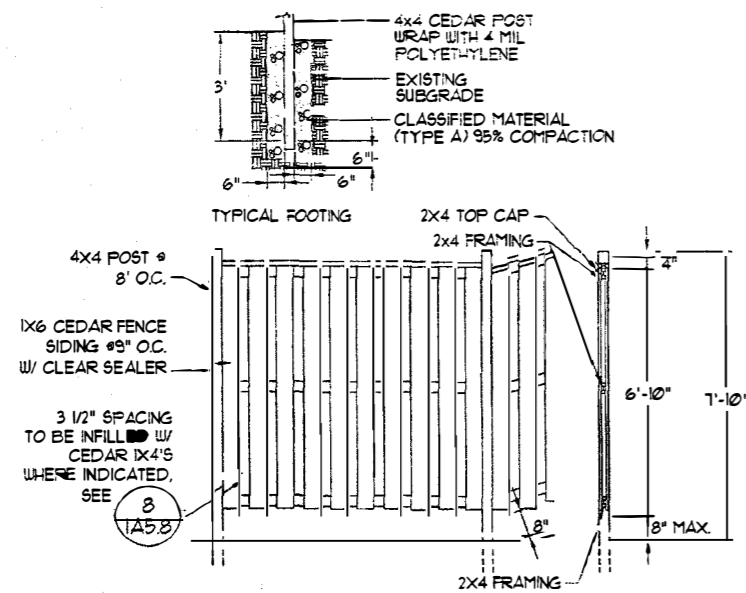
9 TYPICAL STREAM SECTION
SCALE: 1/2" = 1'



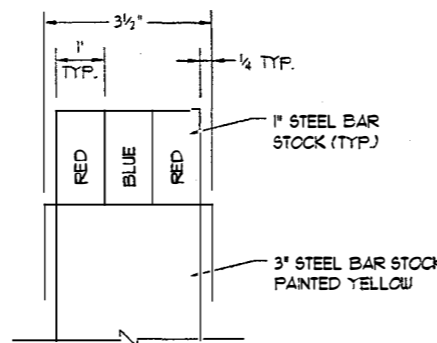
6 GATE LOCKING DETAIL
NOT TO SCALE



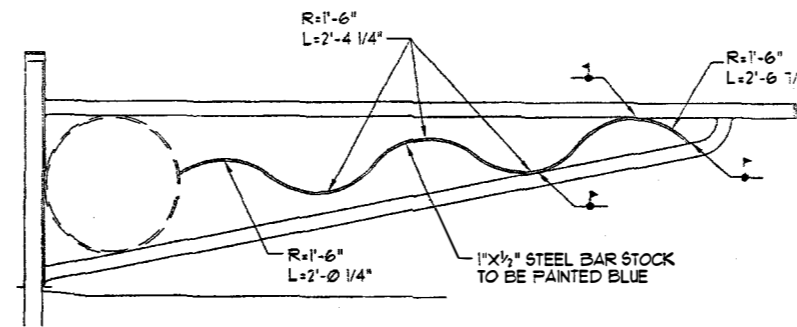
1 ENTRANCE GATE
SCALE: 1/2" = 1'



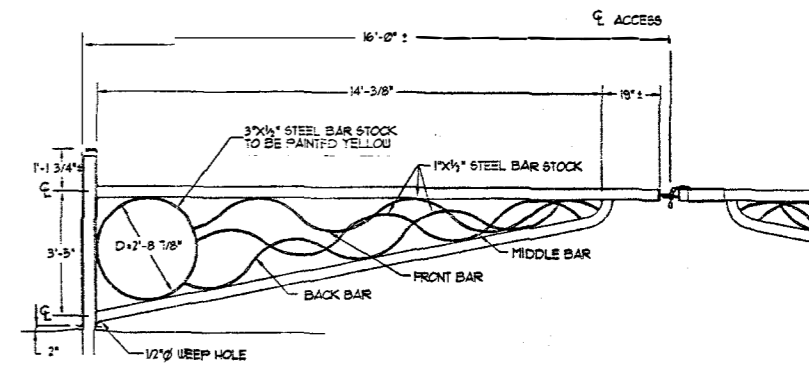
10 WOOD FENCE
SCALE: 3/8" = 1'



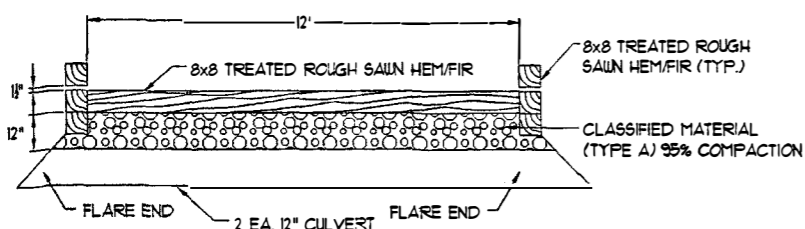
7 TYPICAL CONNECTION
NOT TO SCALE



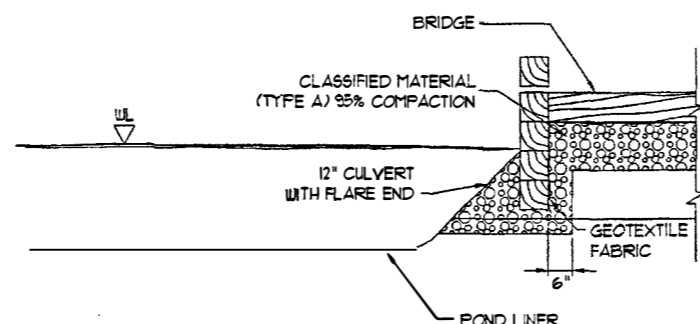
4 MIDDLE BAR DETAIL
SCALE: 1/2" = 1'



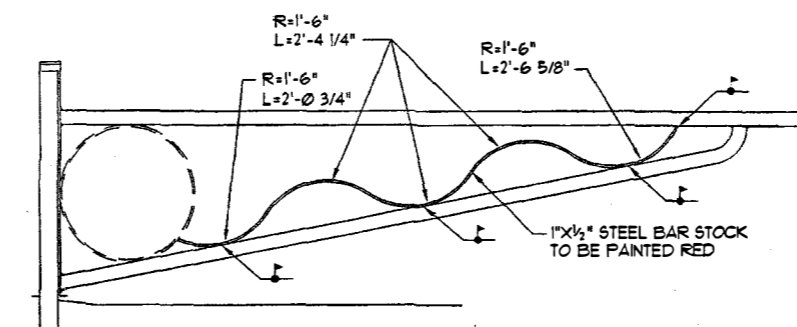
2 STEEL BAR DETAIL
SCALE: 1/2" = 1'



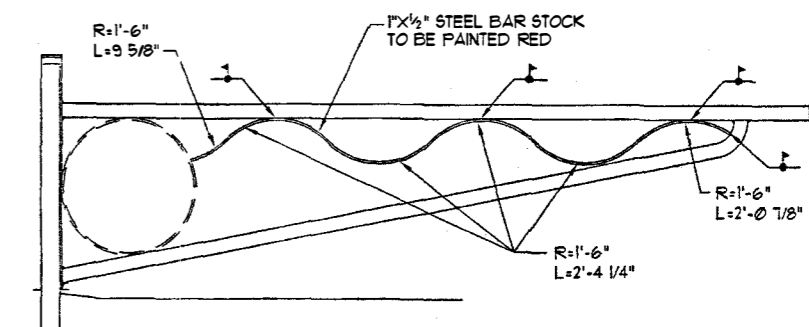
11 BRIDGE DETAIL
SCALE: 3/8" = 1'



8 CULVERT SECTION
SCALE: 1/2" = 1'



5 BACK BAR DETAIL
SCALE: 1/2" = 1'



3 FRONT BAR DETAIL
SCALE: 1/2" = 1'



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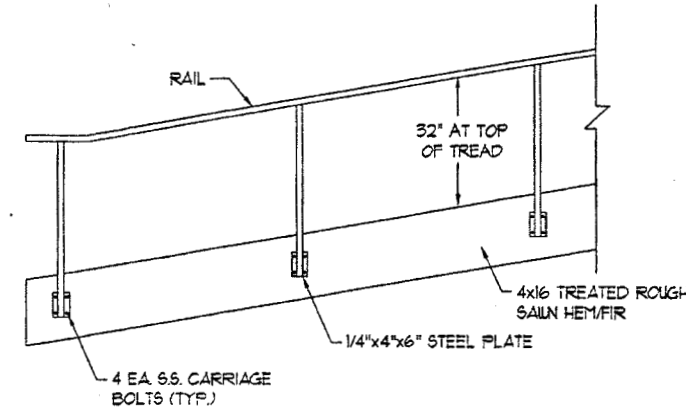
ALASKA NATIVE HERITAGE CENTER - PHASE II FINISH DESIGN
ANCHORAGE, ALASKA
LANDSCAPE DETAILS

Revisions
REPLACE FENCE
REPLACE CULVERT

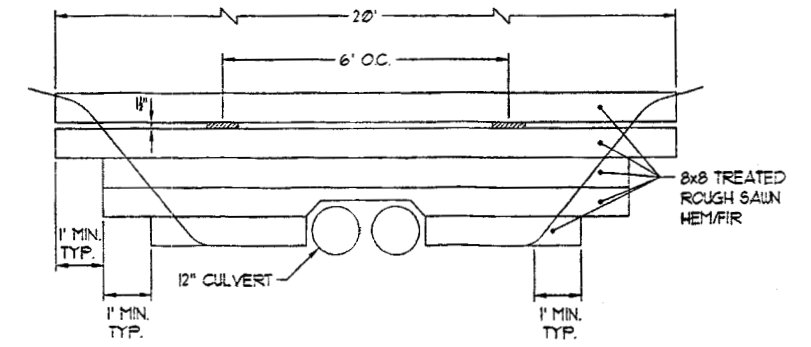
CONFORMED DRAWINGS

Date 09/01/98
Drawn KP
Checked WDA
Job No. 95023

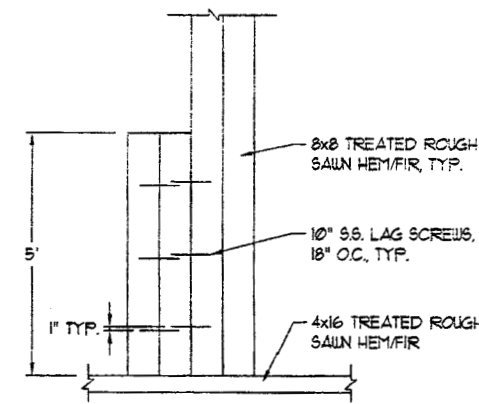
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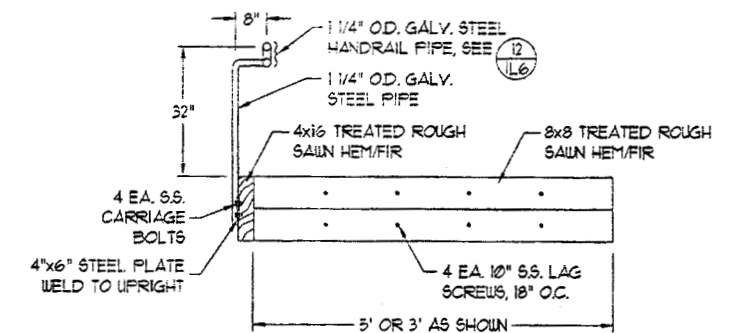
4 ————— HANDRAIL/STAIR SECTION
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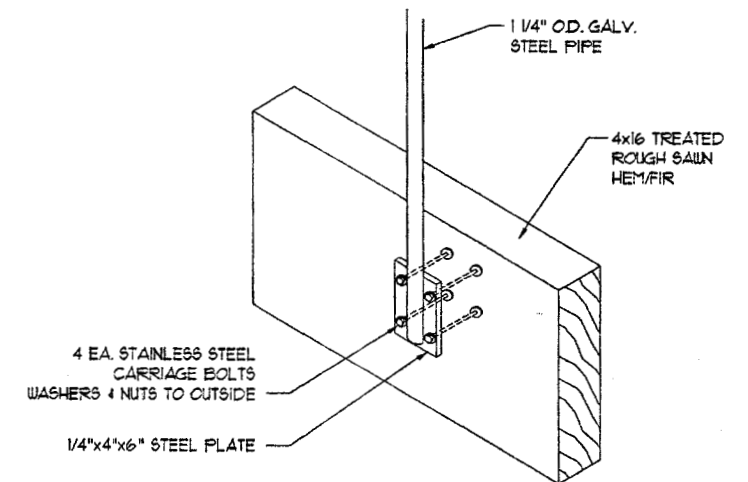
1 ————— BRIDGE ELEVATION
SCALE: 1/2" = 1'



5 ————— STAIR PLAN
SCALE: 1/2" = 1'



2 ————— HANDRAIL/STAIR ELEVATION
SCALE: 1/2" = 1'



3 ————— RAIL CONNECTION ISOMETRIC
SCALE: 3/4" = 1'



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ANCHORAGE, ALASKA
LANDSCAPE DETAILS

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 GENERAL NOTES, SYMBOLS, INTERIOR PARTITION TYPES

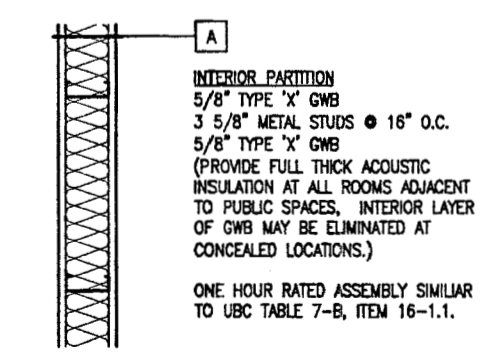
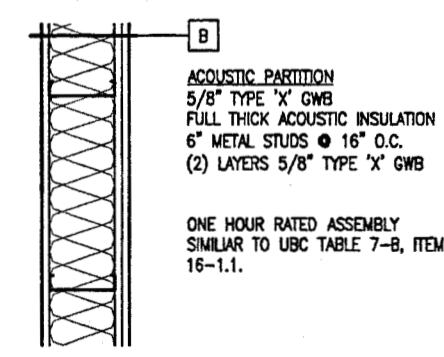
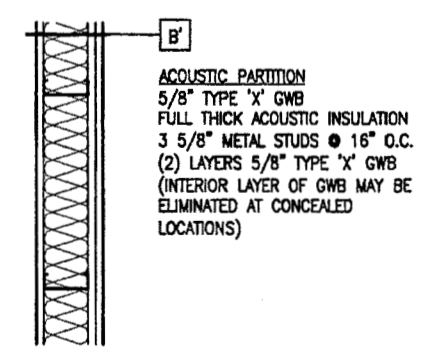
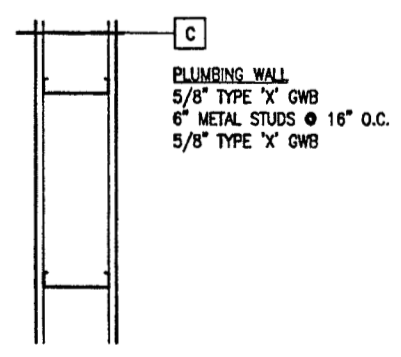
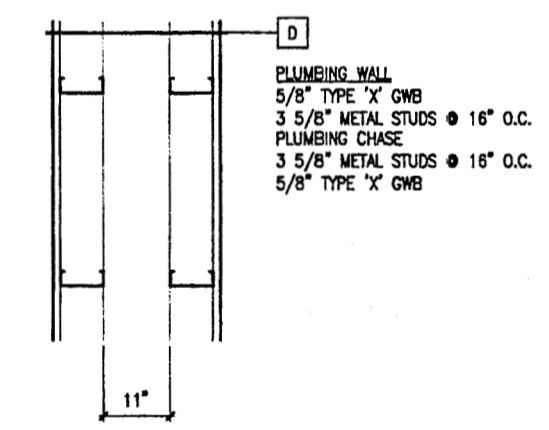
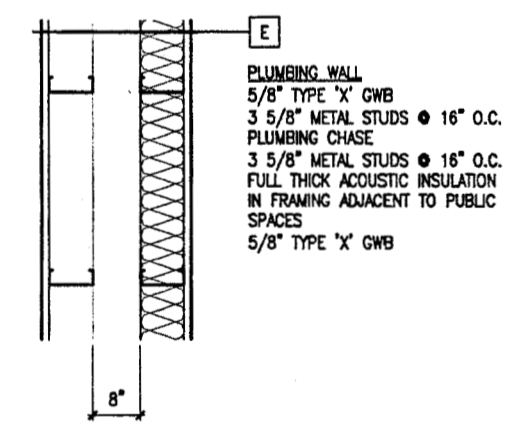
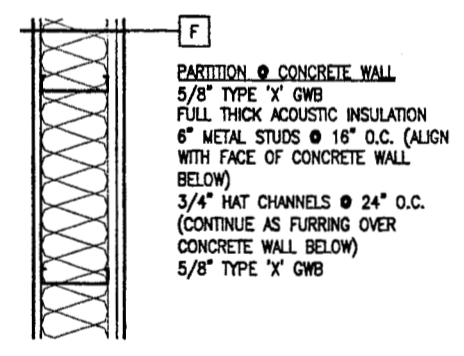
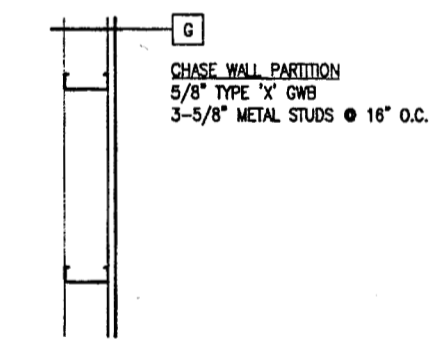
Revisions
CONFORMED DRAWINGS
 Date 09/01/98
 Drawn FWP
 Checked RRR
 Job No. 95023
 Sheet No.
IAO.1
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Abbreviations:

| | |
|--------|--|
| ACP | SURFACE MOUNTED ACOUSTIC CEILING PANEL |
| ACT | ACOUSTIC CEILING TILE |
| ADJ | ADJUSTABLE |
| AFF | ABOVE FINISHED FLOOR |
| AMP | ACOUSTIC WALL PANEL |
| CPT | CARPET |
| CO | CONCRETE |
| CONT | CONTINUOUS |
| CT | CERAMIC TILE |
| DP | DRAPERY |
| EXT | EXTERIOR |
| FE | FIRE EXTINGUISHER (BRACKET MOUNTED) |
| FEC | FIRE EXTINGUISHER CABINET |
| FF | FACTORY FINISH |
| FRP | FIBERGLASS REINFORCED PANEL |
| GT | GROUT |
| GWB | GYPSUM WALL BOARD |
| HD WD | HARD WOOD |
| L | LOCKER |
| MTL | METAL |
| MP | MINI-BLIND |
| OC | ON CENTER |
| P | PANT |
| PREFIN | PREFINISHED |
| RB | RUBBER BASE |
| SL | SEALER |
| ST | STAIN |
| SV | SHEET VINYL |
| T&G | TONGUE AND GROOVE |
| TJI | TRUSS JOIST |
| TYP | TYPICAL |
| USS | UNDERSIDE OF STRUCTURE |
| VERT | VERTICAL |
| WC | VINYL WALL COVERING |
| WO | WOOD |
| WOX | WALK OFF ENTRY MAT |
| W/ | WITH |

Symbol Legend:

| | | |
|---------------------------|--|---|
| DETAIL SYMBOL | | —DETAIL NUMBER —SHEET WHERE DETAIL IS DRAWN |
| SECTION CUT | | —SECTION NUMBER —SHEET WHERE SECTION IS DRAWN |
| ELEVATION SYMBOL | | —ELEVATION NUMBER —SHEET WHERE ELEVATION IS DRAWN |
| INTERIOR ELEVATION SYMBOL | | —ELEVATION NUMBER —SHEET WHERE ELEVATION IS DRAWN X —VIEW |
| PARTITION TYPE | | SEE SHEET AO.1 FOR SCHEDULE OF WALL AND PARTITION TYPES |
| | | —WALL TYPE ABOVE |
| | | —WALL TYPE BELOW |
| ROOM NAME & NUMBER | | ROOM NAME — ROOM NAME XXXX — ROOM NUMBER |
| DOOR NUMBER | | XXXX |
| GRID BUG | | —COLUMN GRID DESIGNATION |
| WINDOW BUG | | —WINDOW TYPE |
| ROOF PITCH | | 12 X |
| MATCH LINE | | |
| REVISION BUG | | —REVISION NUMBER |



Architectural General Notes:

- DIMENSIONAL HIERARCHY:
 - AS SPECIFICALLY NOTED
 - TO NEAREST GRIDLINE
 - TO FACE OF CONCRETE
 - TO FACE OF STUD
 - CLEAR TO FACE OF FINISH
- ALL HARDWARE TO COMPLY WITH THE ADA ACCESSIBILITY GUIDELINES CHAPTER 4.13 AND UFAS CHAPTER 23.70 FOR ACCESSIBILITY.
- EXIT HARDWARE TO OPEN FROM THE INSIDE WITH ONE MOTION, NO SPECIAL KNOWLEDGE OR EFFORT, NO THUMB TURNS OR SEPERATE DEADBOLTS.
- THE FLOOR OR LANDING AT DOORS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE TOP OF THE THRESHOLD OF THE DOORWAY (PER ADA REQUIREMENTS).
- PROVIDE FIRE BLOCKING AND DRAFT STOPS IN ACCORDANCE WITH SECTION 708 OF THE UNIFORM BUILDING CODE.
- REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN DRAWINGS.
- PROVIDE METAL 'J' TRIM AND SEALANT AT JUNCTION OF GWB AND DISSIMILAR MATERIALS, TYPICAL.
- THE INSIDE FACE OF ALL INTERIOR PARTITIONS AT TOILET ROOMS, RECEIVING ROOMS, AND PROJECTION ROOM TO BE BACKED BY 1/2" PLYWOOD FOR EQUIPMENT AND FIXTURE SUPPORT AND DURABILITY.
- PROVIDE MOISTURE RESISTANT (MR) GWB AT ALL TOILET ROOMS, JANITOR CLOSETS, AND THE KITCHEN. REFER TO DRAWING AO.2 FOR EXTENT OF MR GWB THIS PHASE.

1 Interior Partition Types
 SCALE: 1-1/2" = 1'-0"



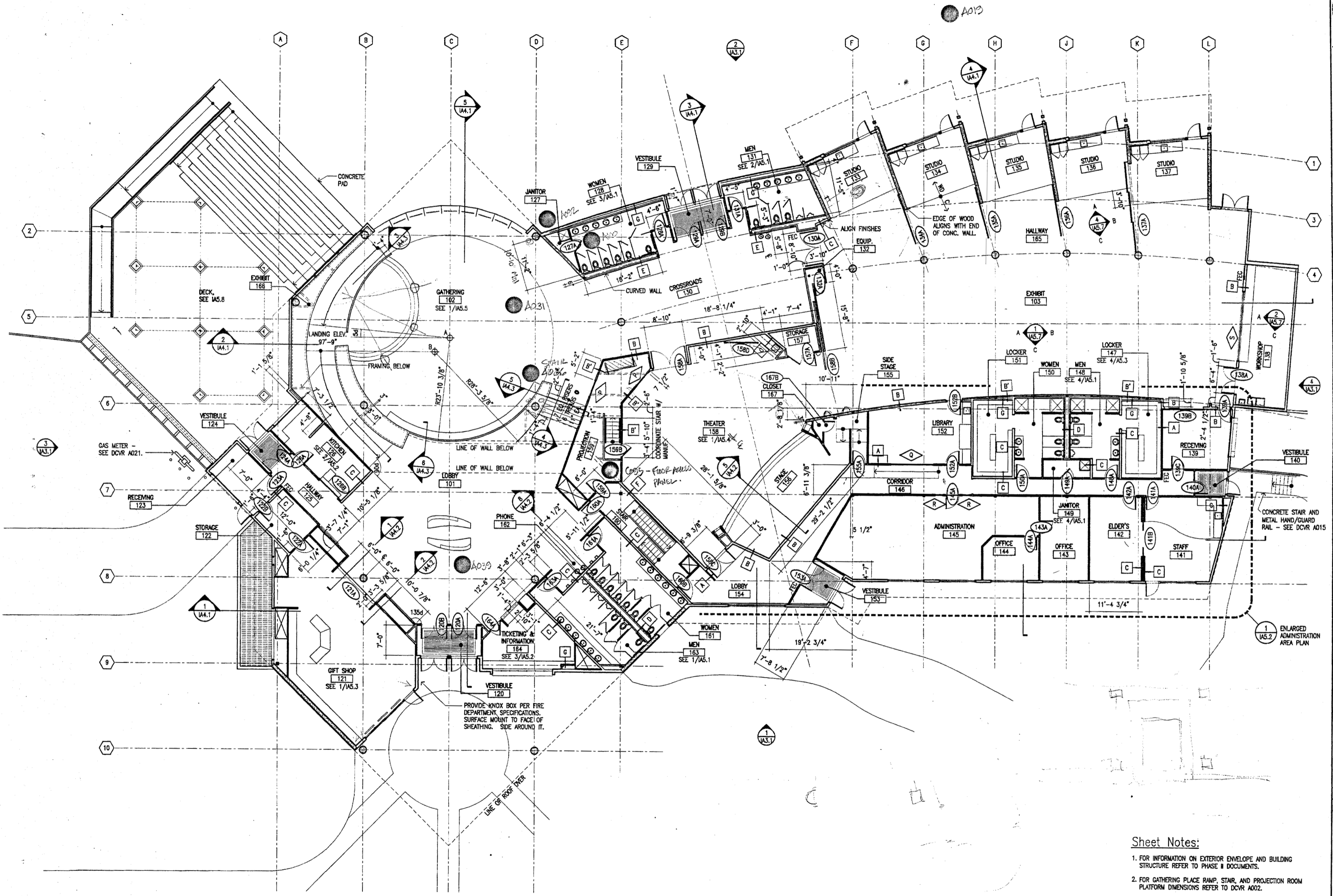
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
FLOOR PLAN

Revisions:
 1. DIM CLARIFICATION
 2. NEW DECK
 3. MISC. CHANGES

CONFORMED DRAWINGS

Date: 09/01/98
 Drawn: FWP, MLT, PND
 Checked: RRR
 Job No.: 95023
 Sheet No.: **IA1.1**
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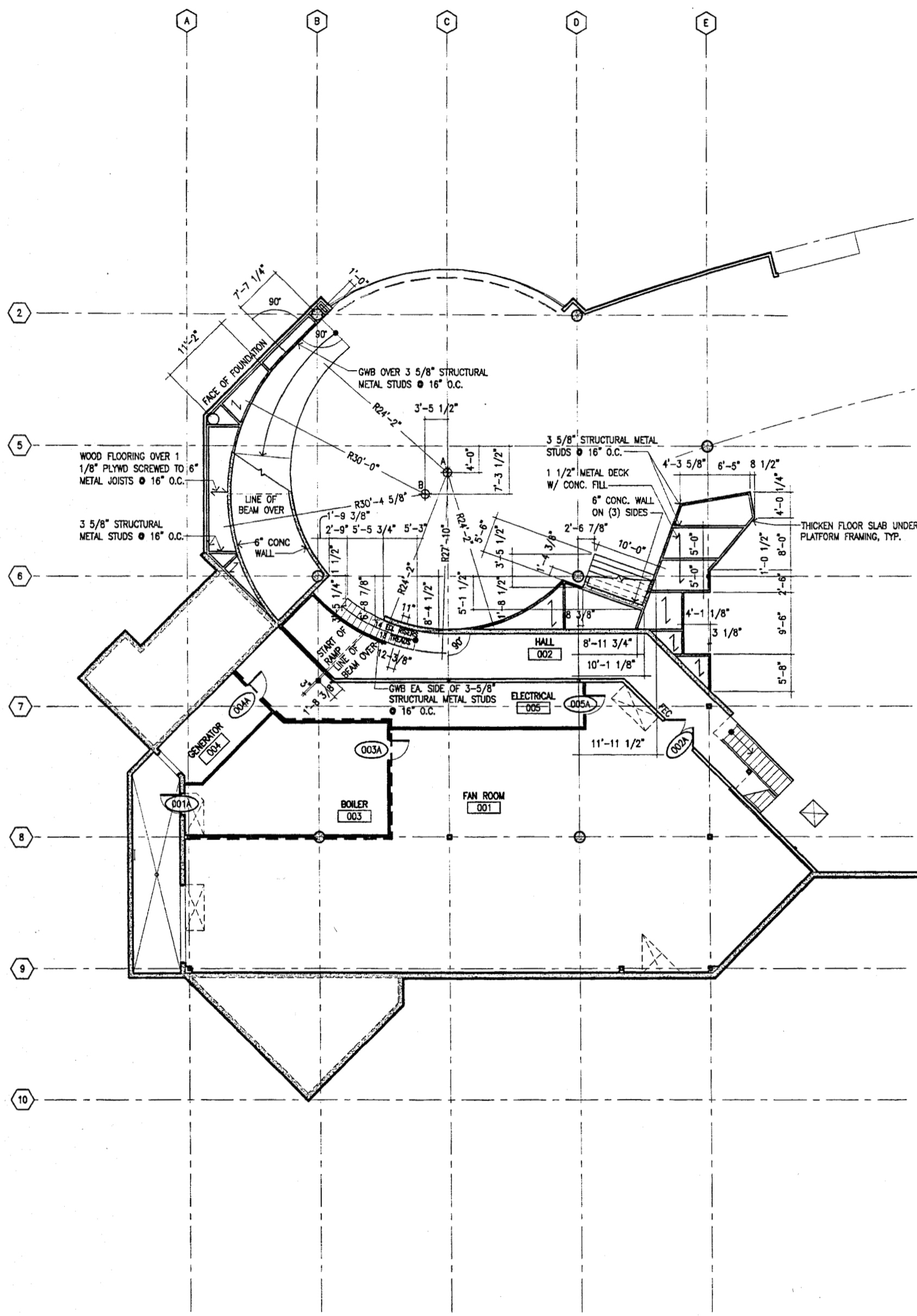


1 Floor Plan
 SCALE: 1/8"=1'-0"

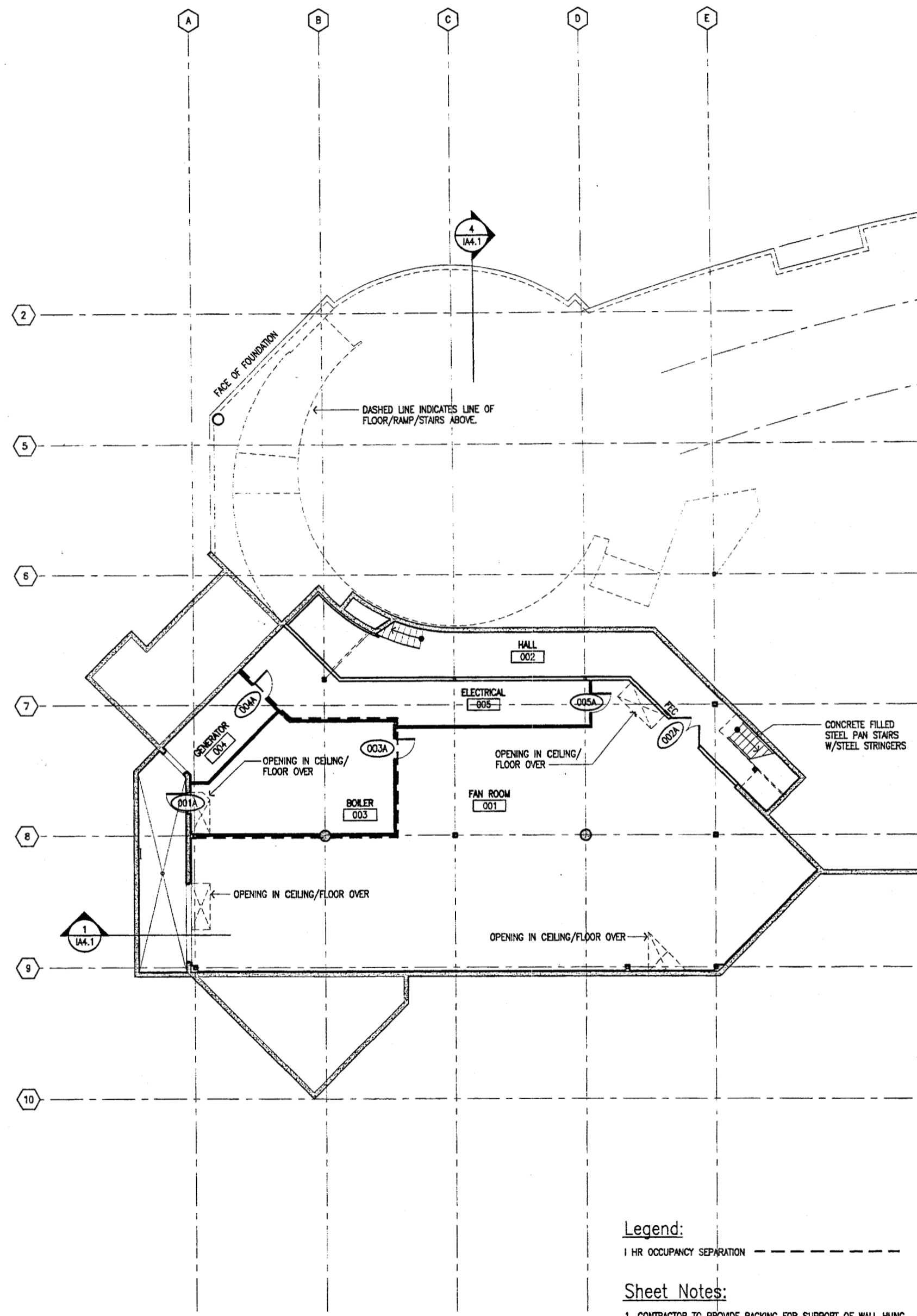
- Sheet Notes:**
- FOR INFORMATION ON EXTERIOR ENVELOPE AND BUILDING STRUCTURE REFER TO PHASE II DOCUMENTS.
 - FOR GATHERING PLACE RAMP, STAIR, AND PROJECTION ROOM PLATFORM DIMENSIONS REFER TO DCVR A002.
 - FOR ADDITIONAL BUILDING DIMENSIONS REFER TO ENLARGED PLANS.
 - ALL INTERIOR PARTITIONS TO BE TYPE A UNLESS NOTED OTHERWISE.
 - ALL DOORS AND WINDOWS ARE LOCATED 3" FROM FACE OF STUD AT ADJACENT PERPENDICULAR WALL TO EDGE OF JAMB UNLESS NOTED OTHERWISE.



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2 Raised Floor Framing Plan
 (taken @ elevation 98')
 SCALE: 1/8"=1'-0"



1 Mechanical Room Floor Plan
 (taken @ elevation 91')
 SCALE: 1/8"=1'-0"

Legend:
 1 HR OCCUPANCY SEPARATION - - - - -

Sheet Notes:
 1. CONTRACTOR TO PROVIDE BACKING FOR SUPPORT OF WALL HUNG EQUIPMENT TO ALL MECHANICAL ROOM PARTITIONS.

ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 MECHANICAL ROOM & RAISED FLOOR FRAMING PLANS

Revisions
 NEW PLAN

CONFORMED DRAWINGS

Date 09/01/98
 Drawn FMP, M.T, P.M.D
 Checked RRR
 Job No. 95023
 Sheet No. IA1.2
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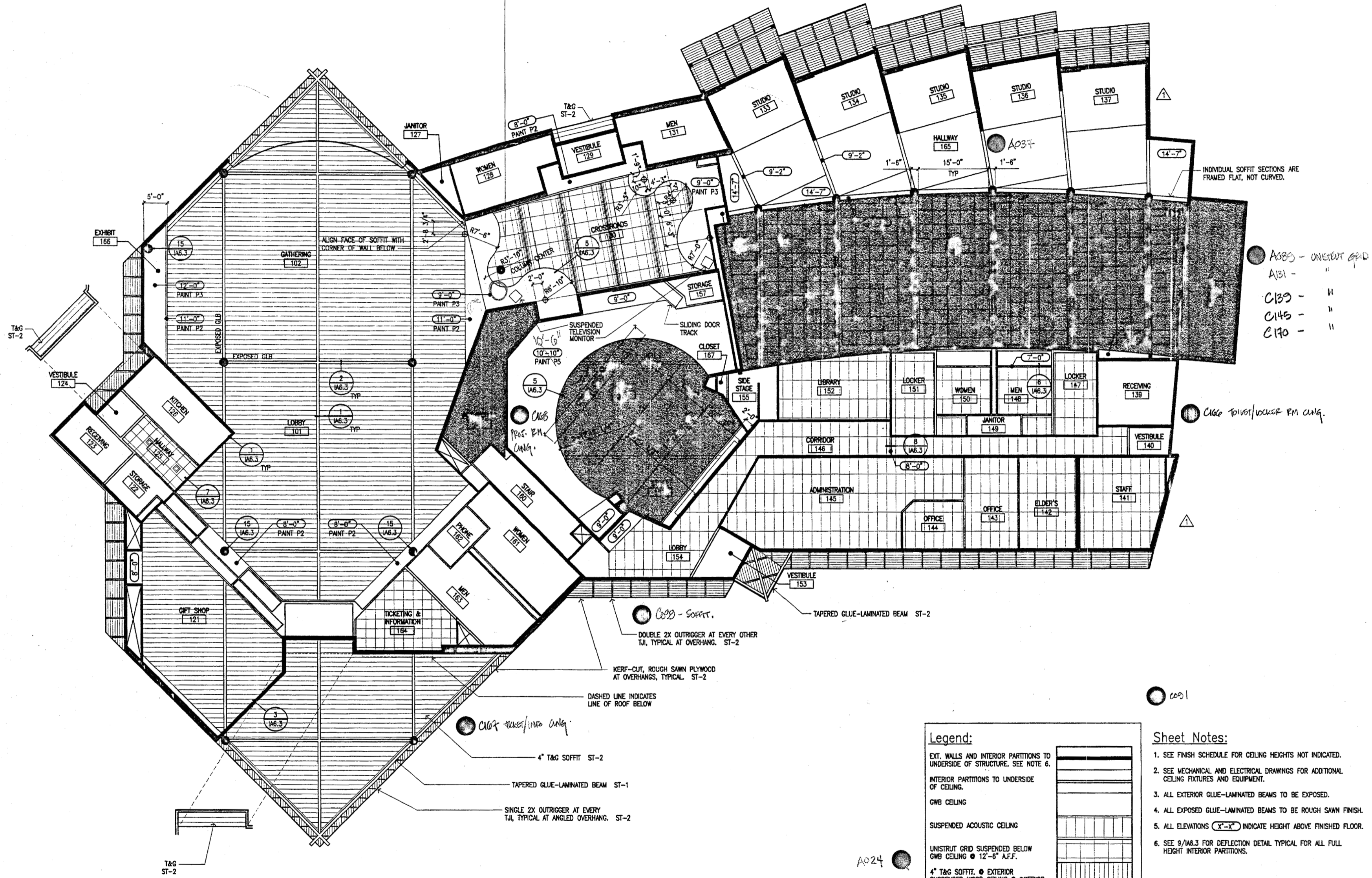


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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 REFLECTED CEILING PLAN

CONFORMED DRAWINGS
 Date 09/01/98
 Drawn FWP, MLT, PMD
 Checked RRR
 Job No. 95023
 Sheet No. **IA1.3**
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← ALL INTERIOR GLUE-LAMINATED BEAMS TO BE EXPOSED TO VIEW THIS SIDE. →
 ALL INTERIOR GLUE-LAMINATED BEAMS TO BE CONCEALED FROM VIEW THIS SIDE. →



● A038 - ONEWAY GRID
 A131 - "
 C139 - "
 C145 - "
 C170 - "

● C160 - DOWN/WOOD PM ONLY

● C001

A024 ●

Legend:

- EXT. WALLS AND INTERIOR PARTITIONS TO UNDERSIDE OF STRUCTURE. SEE NOTE 6.
- INTERIOR PARTITIONS TO UNDERSIDE OF CEILING.
- GWB CEILING
- SUSPENDED ACOUSTIC CEILING
- UNISTRUT GRID SUSPENDED BELOW GWB CEILING @ 12'-6" A.F.F.
- 4" T&G SOFFIT. ● EXTERIOR SUSPENDED WOOD CEILING ● INTERIOR
- KERF-CUT ROUGH SAWN PLYWOOD.
- SUSPENDED CURVED CEILING (WITH SPRAY ON ACOUSTIC INSULATION ABOVE)
- SPRAY ON ACOUSTIC INSULATION

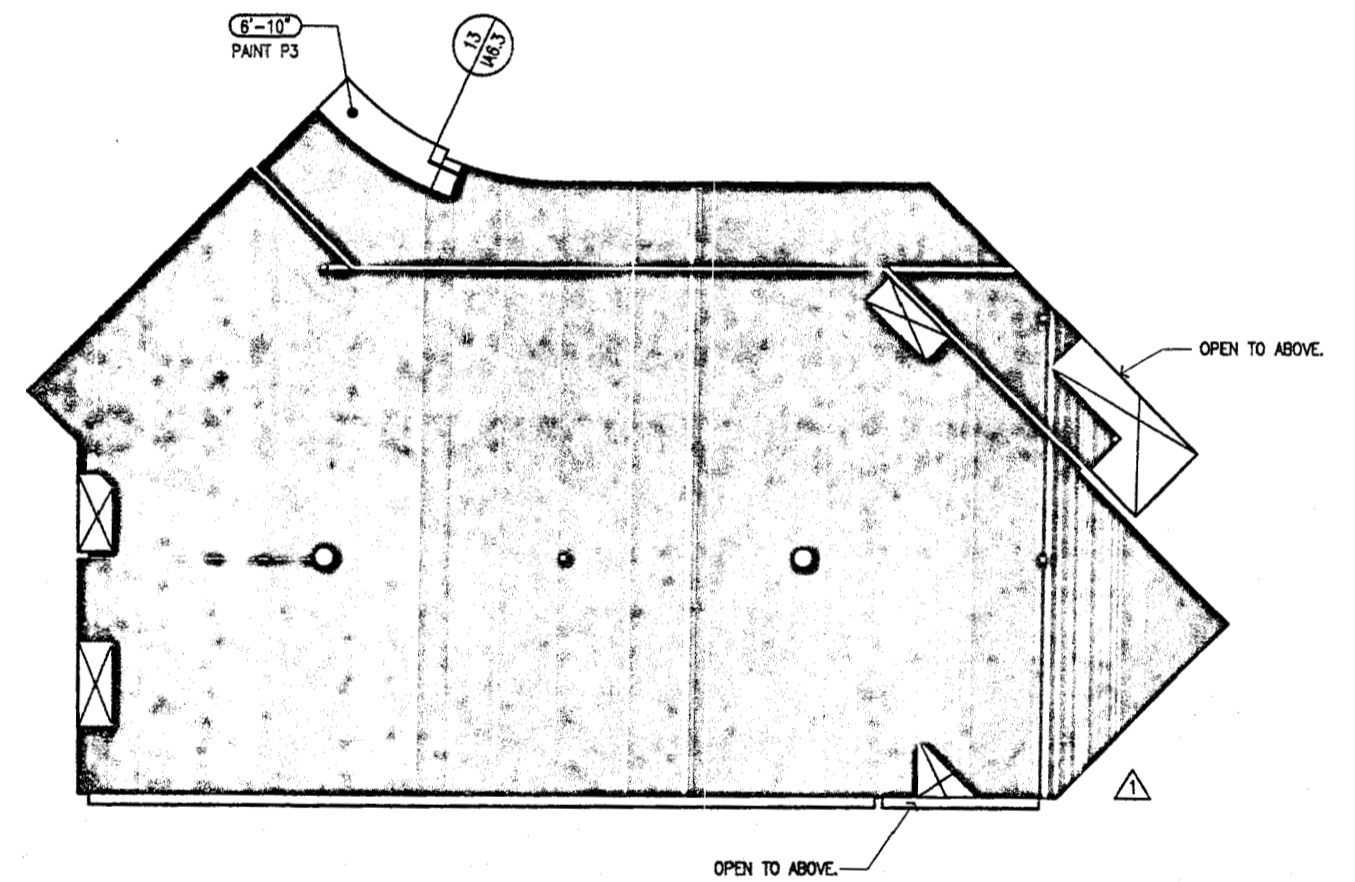
- Sheet Notes:**
- SEE FINISH SCHEDULE FOR CEILING HEIGHTS NOT INDICATED.
 - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING FIXTURES AND EQUIPMENT.
 - ALL EXTERIOR GLUE-LAMINATED BEAMS TO BE EXPOSED.
 - ALL EXPOSED GLUE-LAMINATED BEAMS TO BE ROUGH SAWN FINISH.
 - ALL ELEVATIONS (X-X) INDICATE HEIGHT ABOVE FINISHED FLOOR.
 - SEE 9/A6.3 FOR DEFLECTION DETAIL TYPICAL FOR ALL FULL HEIGHT INTERIOR PARTITIONS.

1 Reflected Ceiling Plan
 SCALE: 1/8"=1'-0"



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 MECHANICAL ROOM REFLECTED CEILING PLAN



Legend:

| | |
|--|--|
| ALL INTERIOR PARTITIONS ARE TO UNDERSIDE OF STRUCTURE. | |
| GWB TO UNDERSIDE OF STRUCTURE. | |
| SPRAY ON FIRE PROOFING | |

- Sheet Notes:**
1. SEE FINISH SCHEDULE FOR CEILING HEIGHTS NOT INDICATED.
 2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING FIXTURES AND EQUIPMENT.

2 Reflected Ceiling Plan
 SCALE: 1/8"=1'-0"

Revisions
 INFORMATION MOVED FROM IA1.2
 SPRAY-ON PROOFING

CONFORMED DRAWINGS

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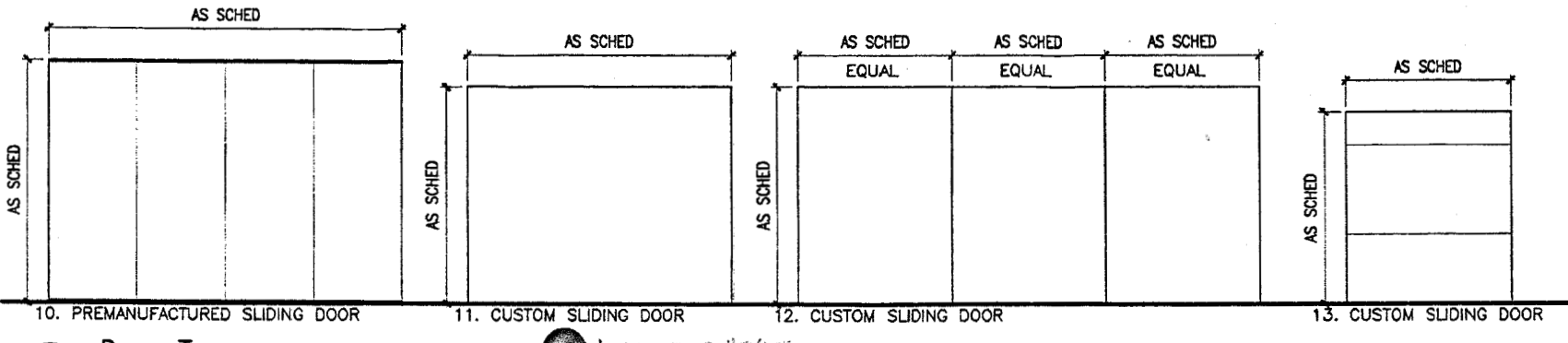
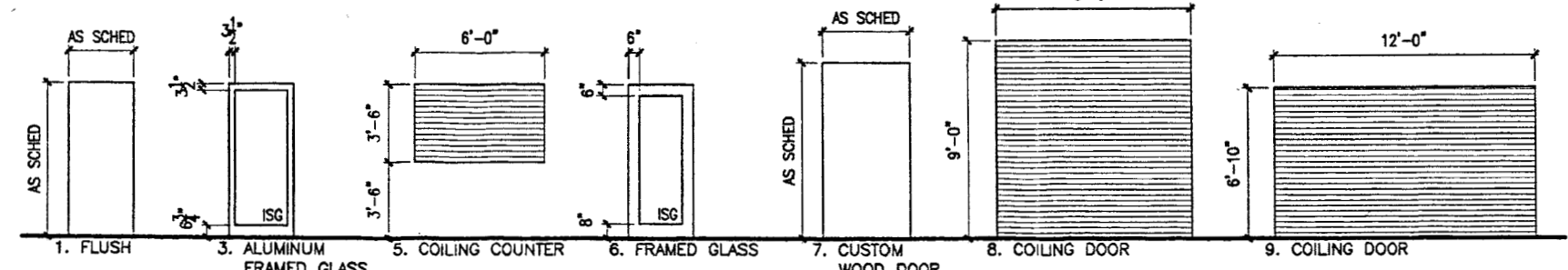
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANCHORAGE, ALASKA
OPENING SCHEDULES, DOOR AND WINDOW TYPES

Revisions
SCHEDULE REVISED

CONFORMED DRAWINGS

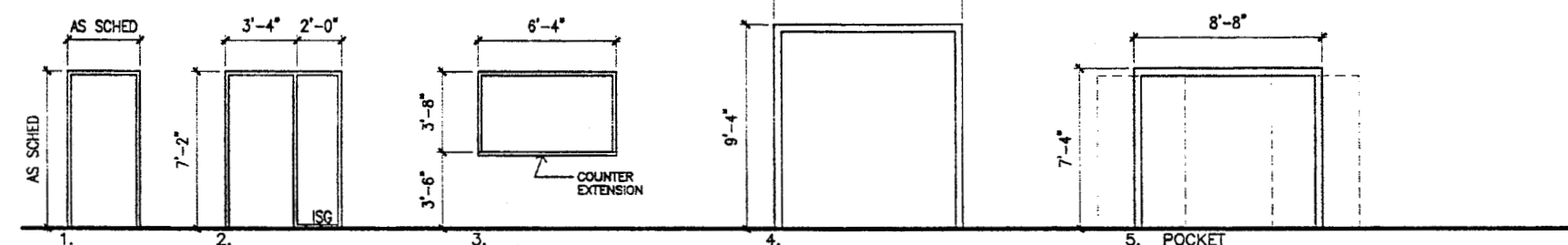
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Sheet No.:

IA2.1
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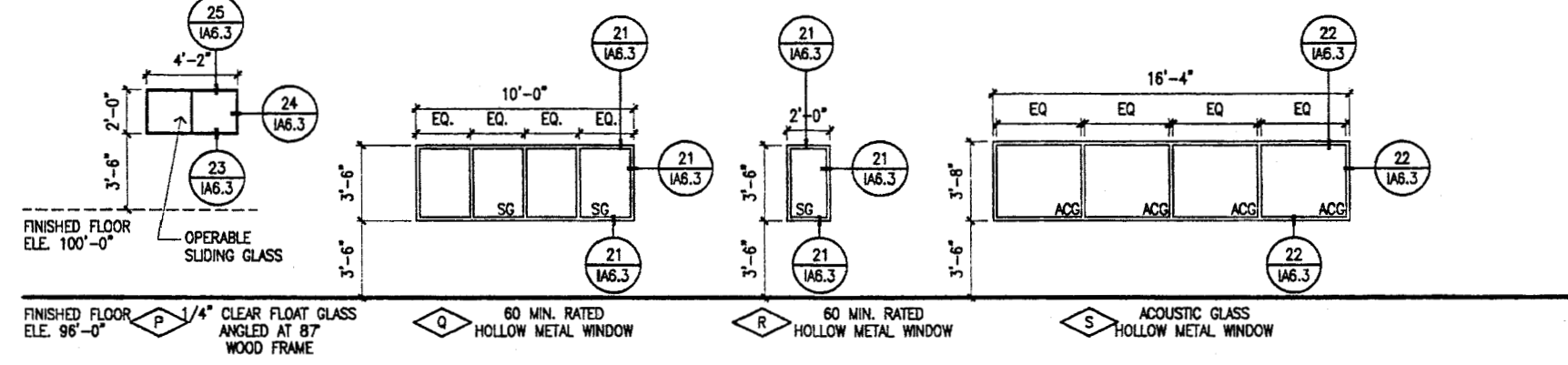


3 Door Types
SCALE: NTS

ASGC - Door Heights



2 Frame Types
SCALE: NTS



1 Window Types
SCALE: NTS

| OPING. NO. | SIZE W x H x T | DOOR | | FRAME | | | GLAZ'G | LABEL | HWDR. | HEAD | JAMB | SILL | REMARKS |
|------------|-----------------------|------|-------|--------|------|--------|--------|-------|-------|-------|----------|-------------|----------------|
| | | TYPE | MAT'L | FINISH | TYPE | FINISH | | | | | | | |
| 101A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 102A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 103A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| THRU | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 119A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 120A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1 | 3/1A8.1 | 2,3/1A8.1 | --- |
| 120B | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1.1 | 3/1A8.1 | 2,3/1A8.1 | --- |
| 121A | 12'-0"x8'-10" | 9 | SS | FF | --- | --- | --- | --- | --- | HW2 | 18/1A8.1 | 17/1A8.1 | 18/1A8.1 3.7. |
| 122A | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW3 | 5/1A8.1 | 5/1A8.1 | 11/1A8.1 4. |
| 122B | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW4 | 5/1A8.1 | 5/1A8.1 | --- |
| 123A | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW4.1 | 5/1A8.1 | 5/1A8.1 | --- |
| 124A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1 | 3/1A8.1 | 3/1A8.1 | --- |
| 125A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 126A | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW7 | 5/1A8.1 | 5/1A8.1 | 29/1A8.1 |
| 126B | 6'-0"x3'-8" | 5 | SS | FF | 3 | SS | FF | --- | --- | HW2 | 9/1A8.1 | 8/1A8.1 | 7/1A8.1 7. |
| 127A | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW4 | 5/1A8.1 | 5/1A8.1 | --- |
| 128A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 129A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1 | 3/1A8.1 | 2,3/1A8.1 | --- |
| 129B | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1.1 | 3/1A8.1 | 2,3/1A8.1 | --- |
| 130A | PR 4'-0"x8'-6"x1 3/4" | 7 | WD | ST | 4 | WD | ST | --- | --- | HW8 | 14/1A8.1 | 13/1A8.1 | 28/1A8.1 |
| 131A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 132A | 2'-6"x7'-0" | --- | GWB | PI | --- | --- | --- | --- | --- | HW17 | 20/1A8.1 | 20,25/1A8.1 | --- |
| 133A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 134A | 12'-0"x8'-3" | 11 | FA | FF | --- | --- | --- | --- | --- | HW10 | 14/1A8.2 | --- | 13/1A8.2 |
| 135A | 12'-0"x8'-3" | 11 | FA | FF | --- | --- | --- | --- | --- | HW10 | 14/1A8.2 | --- | 13/1A8.2 |
| 136A | 12'-0"x8'-3" | 11 | FA | FF | --- | --- | --- | --- | --- | HW10 | 14/1A8.2 | --- | 13/1A8.2 |
| 137A | (3) 7'-0"x8'-3" | 12 | FA | FF | --- | --- | --- | --- | --- | HW10 | 19/1A8.2 | --- | 18/1A8.2 |
| 138A | PR 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW11 | 12/1A8.1 | 12/1A8.1 | 28/1A8.1 |
| 139A | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW4.1 | 12/1A8.1 | 12/1A8.1 | 28/1A8.1 |
| 139B | 9'-0"x8'-0" | 8 | SS | FF | 1 | --- | --- | --- | --- | HW2 | 9/1A8.1 | 8/1A8.1 | 6/1A8.1 7. |
| 139C | 3'-0"x7'-0"x1 3/4" | 1 | HM | P | 1 | HM | P | --- | --- | HW6 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 1. |
| 140A | 3'-0"x7'-0"x1-3/4" | 8 | HM | P | 2 | HM | P | ISG | --- | HW12 | 5/1A8.1 | 5/1A8.1 | 1/1A8.1 |
| 141A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8 | 5/1A8.1 | 5/1A8.1 | 27/1A8.1 1. |
| 141B | PR 4'-0"x7'-0"x1 3/4" | 1 | WD | ST | 5 | WD | ST | --- | --- | HW13 | 4/1A8.2 | 2,3/1A8.2 | 1/1A8.2 |
| 142A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW6 | 5/1A8.1 | 5/1A8.1 | --- |
| 143A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW5 | 5/1A8.1 | 5/1A8.1 | --- |
| 144A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW5 | 5/1A8.1 | 5/1A8.1 | --- |
| 145A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | --- |
| 146A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 147A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 148A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8 | 5/1A8.1 | 5/1A8.1 | 27/1A8.1 1. |
| 148B | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW3 | 5/1A8.1 | 5/1A8.1 | 27/1A8.1 1. |
| 150A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW6 | 5/1A8.1 | 5/1A8.1 | 27/1A8.1 1. |
| 151A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 152A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | --- |
| 152B | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.2 | 12/1A8.1 | 12/1A8.1 | --- |
| 153A | PR 3'-0"x7'-0"x1-3/4" | 3 | AL | FF | 1 | AL | FF | ISG | --- | HW1 | 3/1A8.1 | 3/1A8.1 | 1/1A8.1 |
| 154A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 155A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8 | 5/1A8.1 | 5/1A8.1 | --- |
| 156A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 157A | PR 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW14 | 5/1A8.1 | 5/1A8.1 | --- |
| 158A | PR 4'-0"x8'-6"x1 3/4" | 7 | WD | ST | 4 | WD | ST | --- | --- | HW15 | 14/1A8.1 | 13/1A8.1 | 28/1A8.1 |
| 158B | 18'-0"x11'-0"x3 1/4" | 10 | FA | FF | --- | --- | --- | --- | --- | HW2 | 9/1A8.2 | 7,8/1A8.2 | 6/1A8.2 2.5,7. |
| 159C | PR 3'-0"x7'-0"x1-3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW16 | 12/1A8.1 | 12/1A8.1 | 28/1A8.1 1. |
| 159D | 7'-8"x8'-8" | 13 | FA | FF | --- | --- | --- | --- | --- | HW10 | 24/1A8.1 | 22/1A8.1 | 21/1A8.1 |
| 159A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW4.1 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 159B | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW4.1 | 12/1A8.1 | 12/1A8.1 | --- |
| 160A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW4.1 | 5/1A8.1 | 5/1A8.1 | --- |
| 160B | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8 | 5/1A8.1 | 5/1A8.1 | --- |
| 161A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 162A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 163A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW8.1 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 164A | 3'-0"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW5 | 5/1A8.1 | 5/1A8.1 | 28/1A8.1 |
| 165A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 166A | NOT USED | - | - | - | - | - | - | - | - | - | - | - | - |
| 167A | 2'-8"x7'-0"x1 3/4" | 1 | WD | ST | 1 | HM | P | --- | --- | HW4 | 5/1A8.1 | 5/1A8.1 | --- |

Remarks:

- 1. 1 HOUR WALL ASSEMBLY.
- 2. ACOUSTIC DOOR.
- 3. 1 HOUR COILING FIRE DOOR.
- 4. 1 HOUR FIRE DOOR.
- 5. STC RATING OF 47.
- 6. GWB DOOR FLUSH WITH WALL
- 7. HARDWARE PROVIDED BY DOOR MANUFACTURER

Abbreviations:

- ACG ACOUSTIC GLASS
- AL ALUMINUM
- FA FABRIC
- FF FACTORY FINISH
- G GLASS
- GWB GYPSUM WALL BOARD
- HM HOLLOW METAL
- IHM INSULATED HOLLOW METAL
- ISG INSULATED SAFETY GLASS
- P PAINT
- PR PAIR
- SC SAFETY GLASS
- ST STAIN

C119 HM - WD

Finish and Color Reference Legend table with columns: CODE, MATERIAL, MANUFACTURER, STYLE, COLOR. Rows include carpet, rubber base, paint, ceramic tile, etc.

Abbreviations: ACP SURFACE MOUNTED ACOUSTIC CEILING PANEL, ACT ACOUSTIC CEILING TILE, CO CONCRETE, CPT CERAMIC TILE, etc.

- 1. ROOM NUMBERS 104 THROUGH 119 ARE NOT USED.
2. REFER TO SHEET IA1.4 FOR ADDITIONAL CEILING INFORMATION.
Remarks:
1. SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
2. CUSTOM COLORED SPRAY-ON ACOUSTIC INSULATION TO GWB WRAPPED STRUCTURE ABOVE.

Finish Schedule table with columns: ROOM NO., ROOM NAME, FLOOR, WALLS (MATT, FINISH, etc.), CEILING, REMARKS. Rows include Fan Room, Hall, Generator, Lobby, etc.

1001
1037 - Floor Finishes
1038 - detail RB @ Studio Concrete walls.



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC
ANCHORAGE, ALASKA
FINISH SCHEDULES

Revisions
1 SCHEDULE REVISED

CONFORMED DRAWINGS

Date: 09/01/98
Draw: FWP, MTL, PMD
Checked: RRR
Job No.: 95023

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 EXTERIOR ELEVATIONS

Revisions
 DECK
 STUDIOS

CONFORMED DRAWINGS

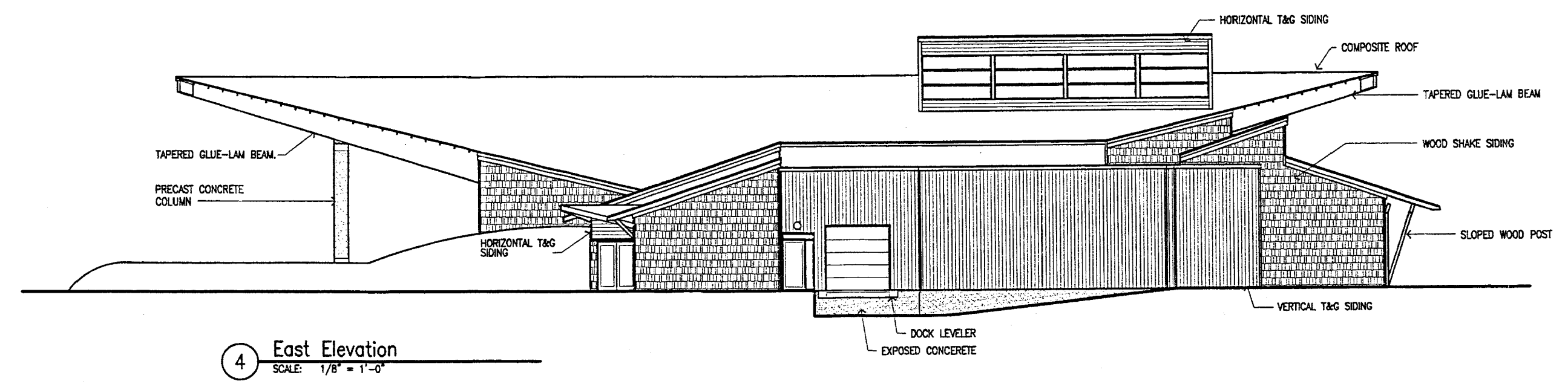
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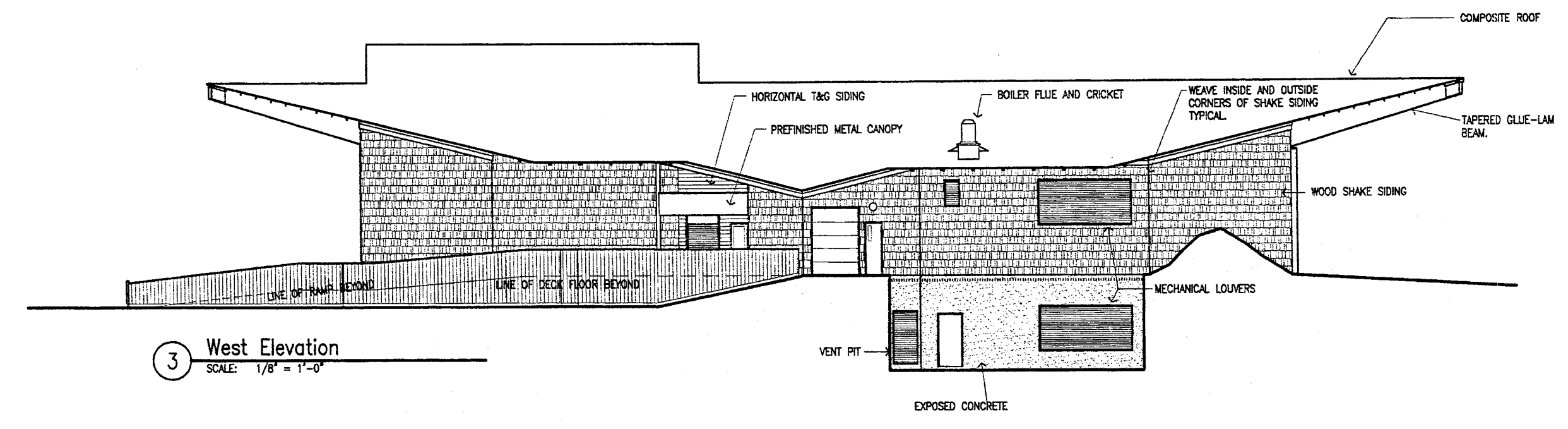
Sheet Notes:

- SEE FLOOR PLANS AND OPENING SCHEDULE FOR INFORMATION ON EXTERIOR OPENINGS.
- COLOR LEGEND:**
 ST-1 EXPOSED GLUE LAM BEAMS
 EXPOSED WOOD STRUCTURE, TYP.
 ST-2 HORIZONTAL T&G
 T&G SOFFITS
 PLYWOOD SOFFITS
 WOOD TRIM
 ST-3 VERTICAL T&G
 ST-4 WOOD SHAKE SIDING

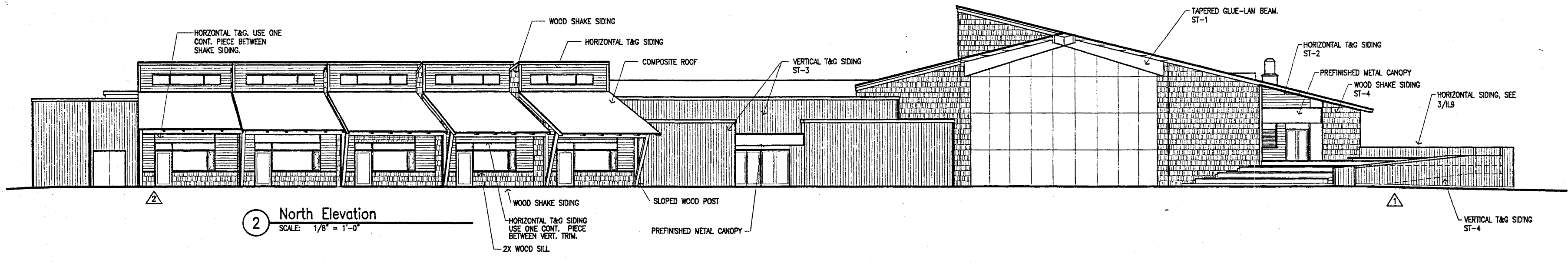
ASS - EXT. COLORS



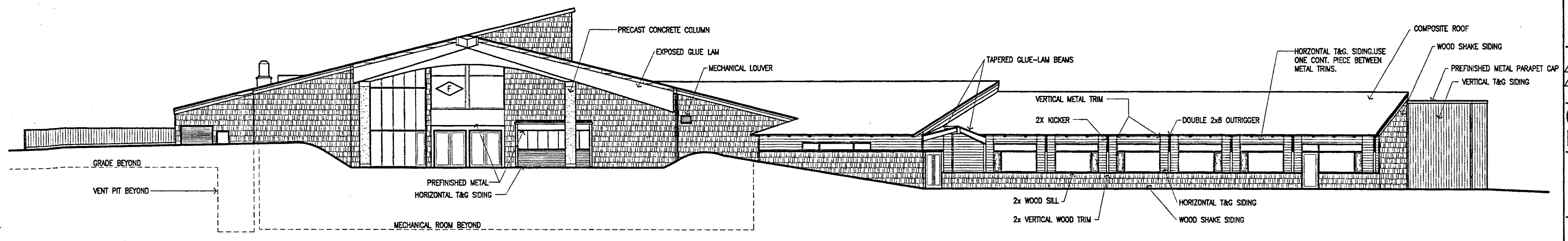
4 East Elevation
 SCALE: 1/8" = 1'-0"



3 West Elevation
 SCALE: 1/8" = 1'-0"



2 North Elevation
 SCALE: 1/8" = 1'-0"



1 South Elevation
 SCALE: 1/8" = 1'-0"



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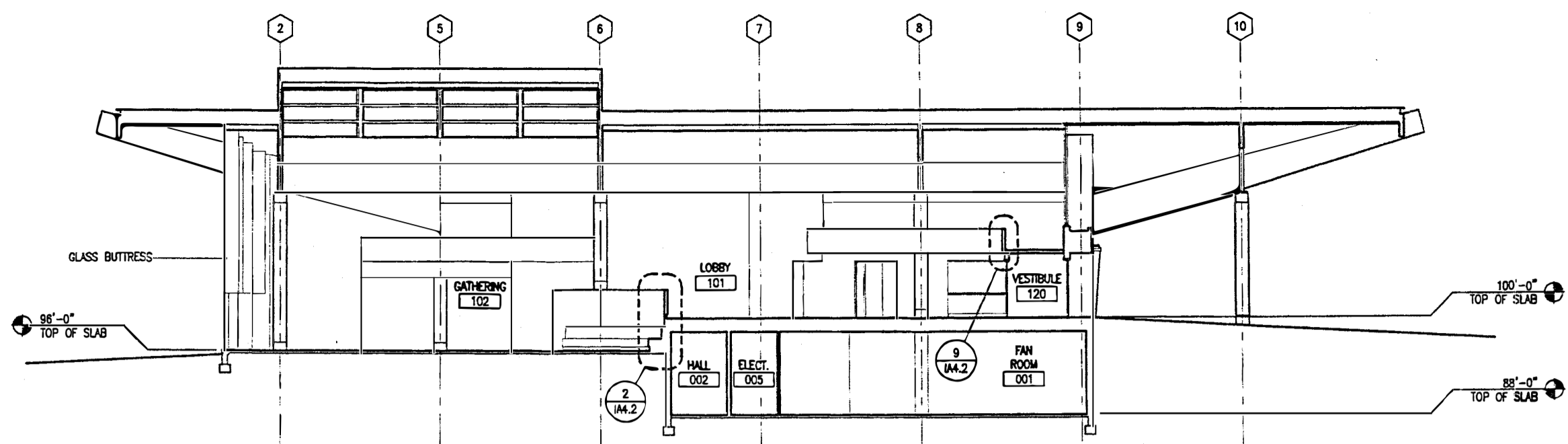
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 BUILDING SECTIONS

Revisions
 ADMIN CEILING

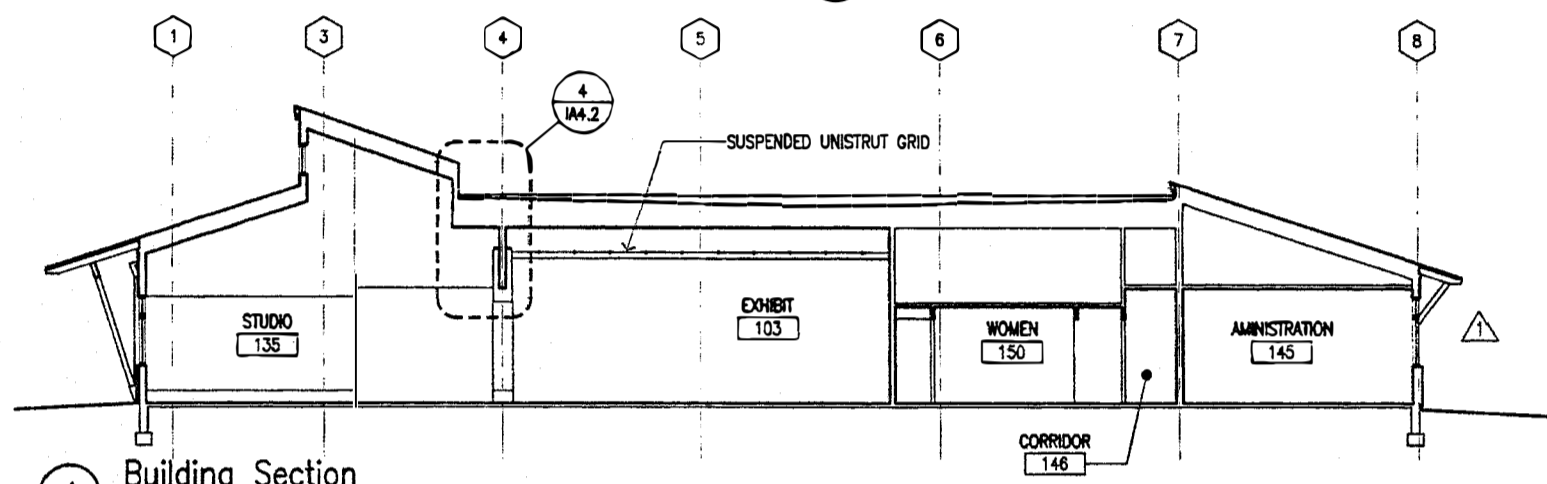
CONFORME
 DRAWING

Date 09/01/98
 Drawn FWP, MLT, PM
 Checked RR
 Job No. 9502
 Sheet No.

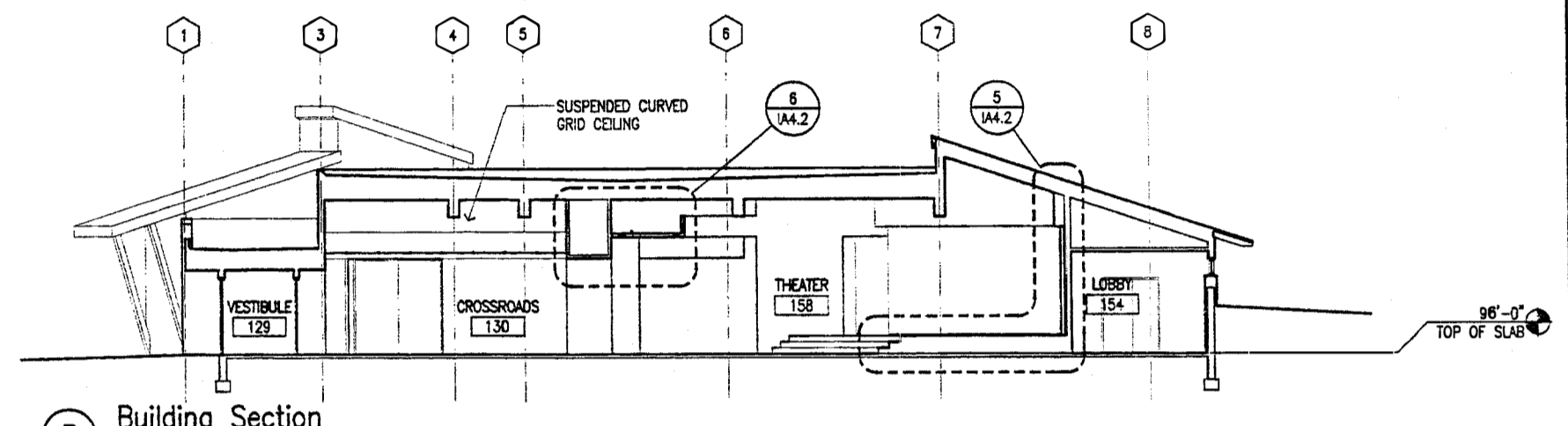
IA4.1
 ©1998 by Cash Barner Architects, Inc.



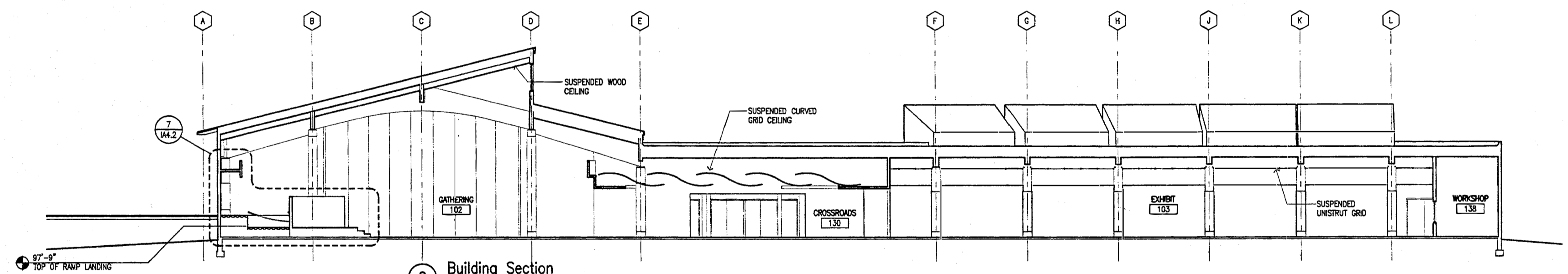
5 Building Section
 SCALE: 1/8" = 1'-0"



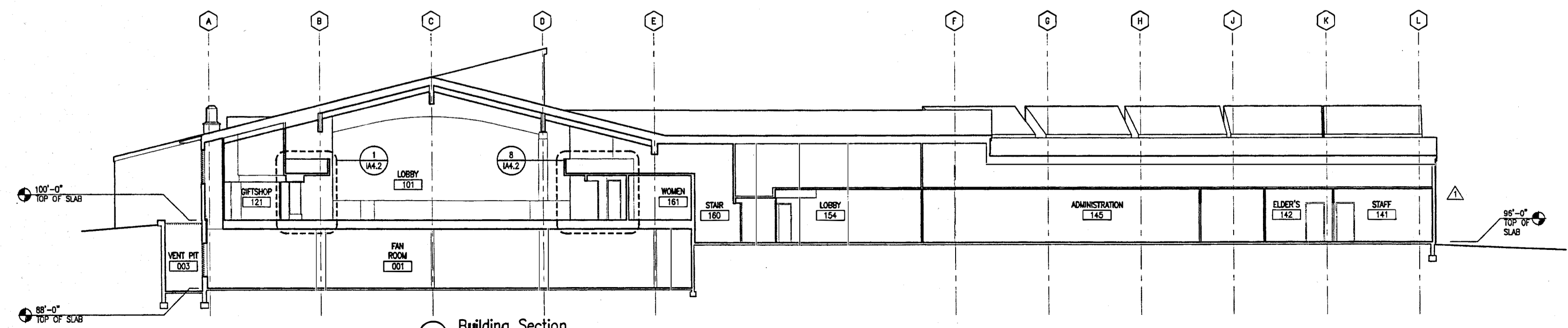
4 Building Section
 SCALE: 1/8" = 1'-0"



3 Building Section
 SCALE: 1/8" = 1'-0"



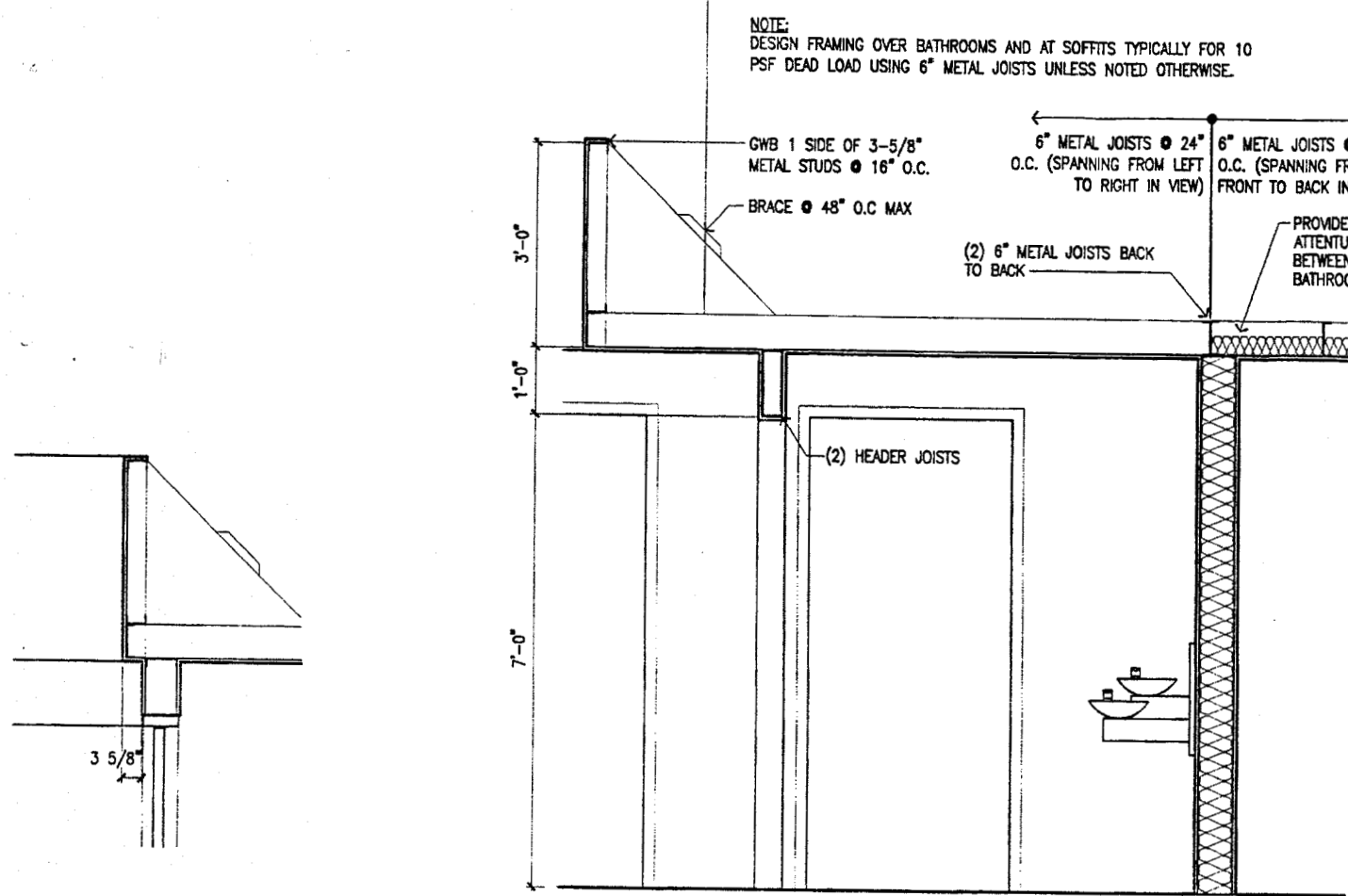
2 Building Section
 SCALE: 1/8" = 1'-0"



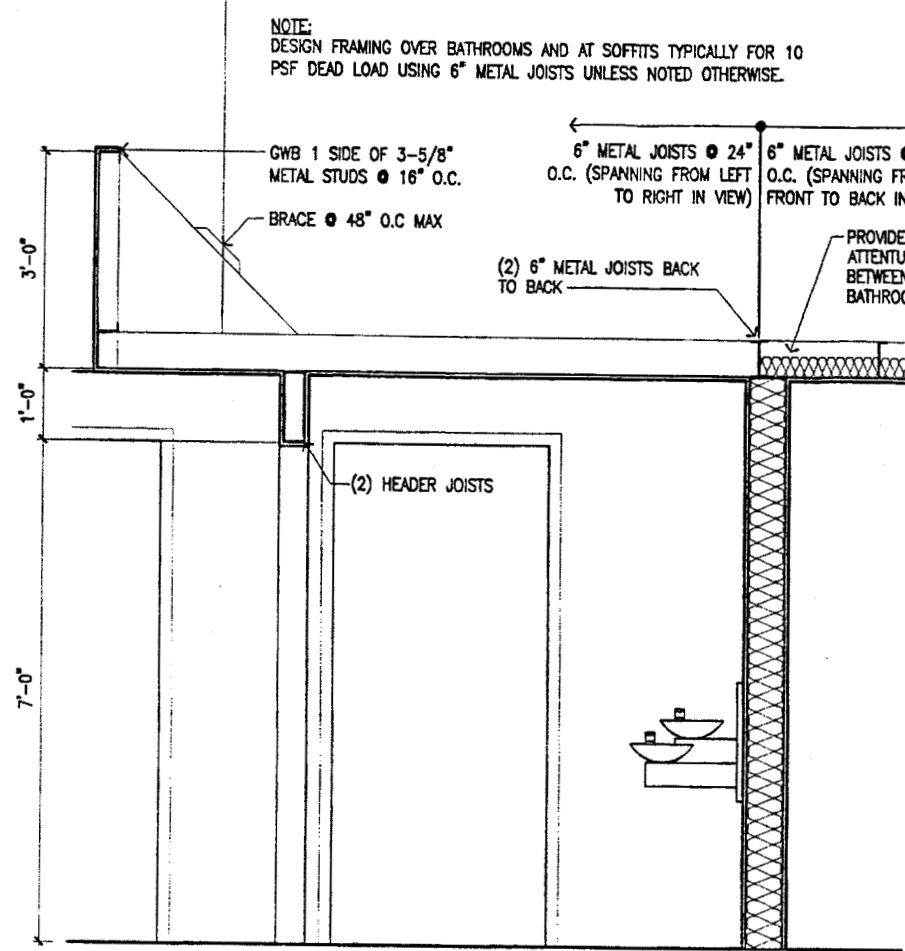
1 Building Section
 SCALE: 1/8" = 1'-0"

Alt - Soffit Height

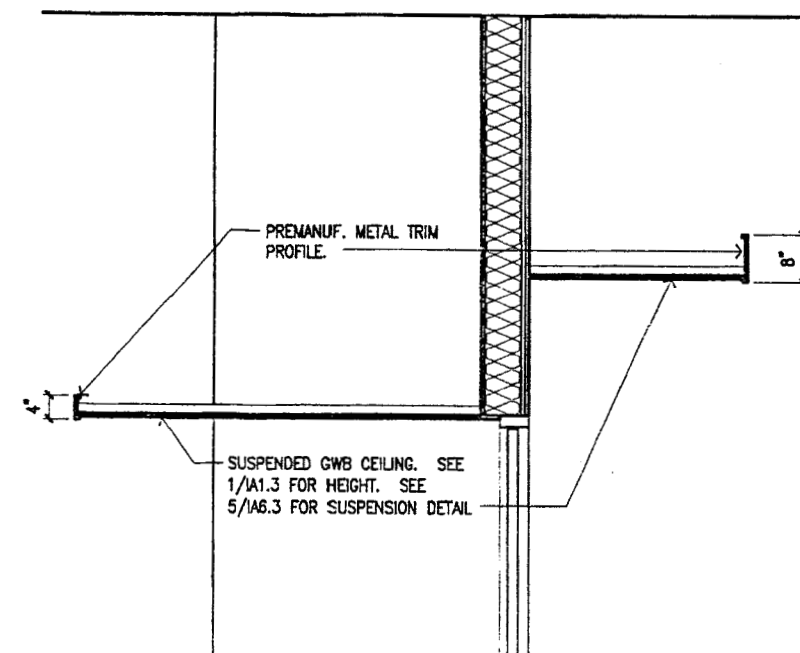
NOTE:
DESIGN FRAMING OVER BATHROOMS AND AT SOFFITS TYPICALLY FOR 10
PSF DEAD LOAD USING 6" METAL JOISTS UNLESS NOTED OTHERWISE.



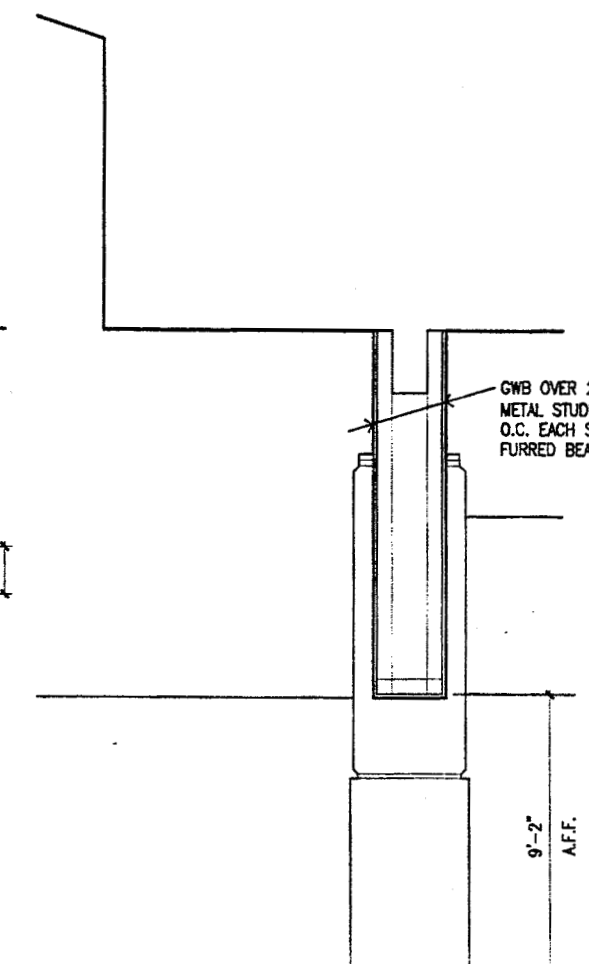
9 Section @ Vestibule 120
SCALE: 3/4" = 1'-0"



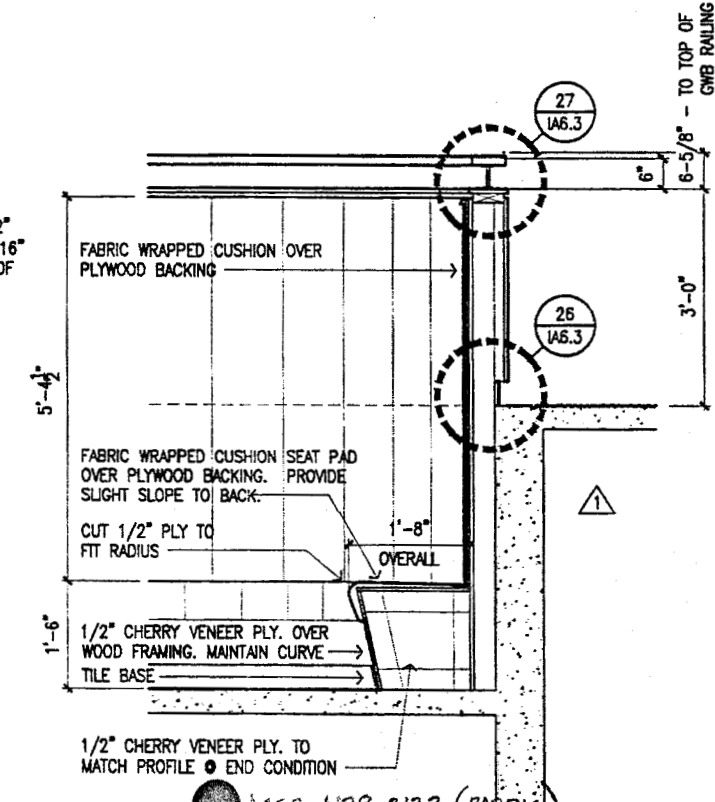
8 Section @ Phone 162
SCALE: 3/4" = 1'-0"



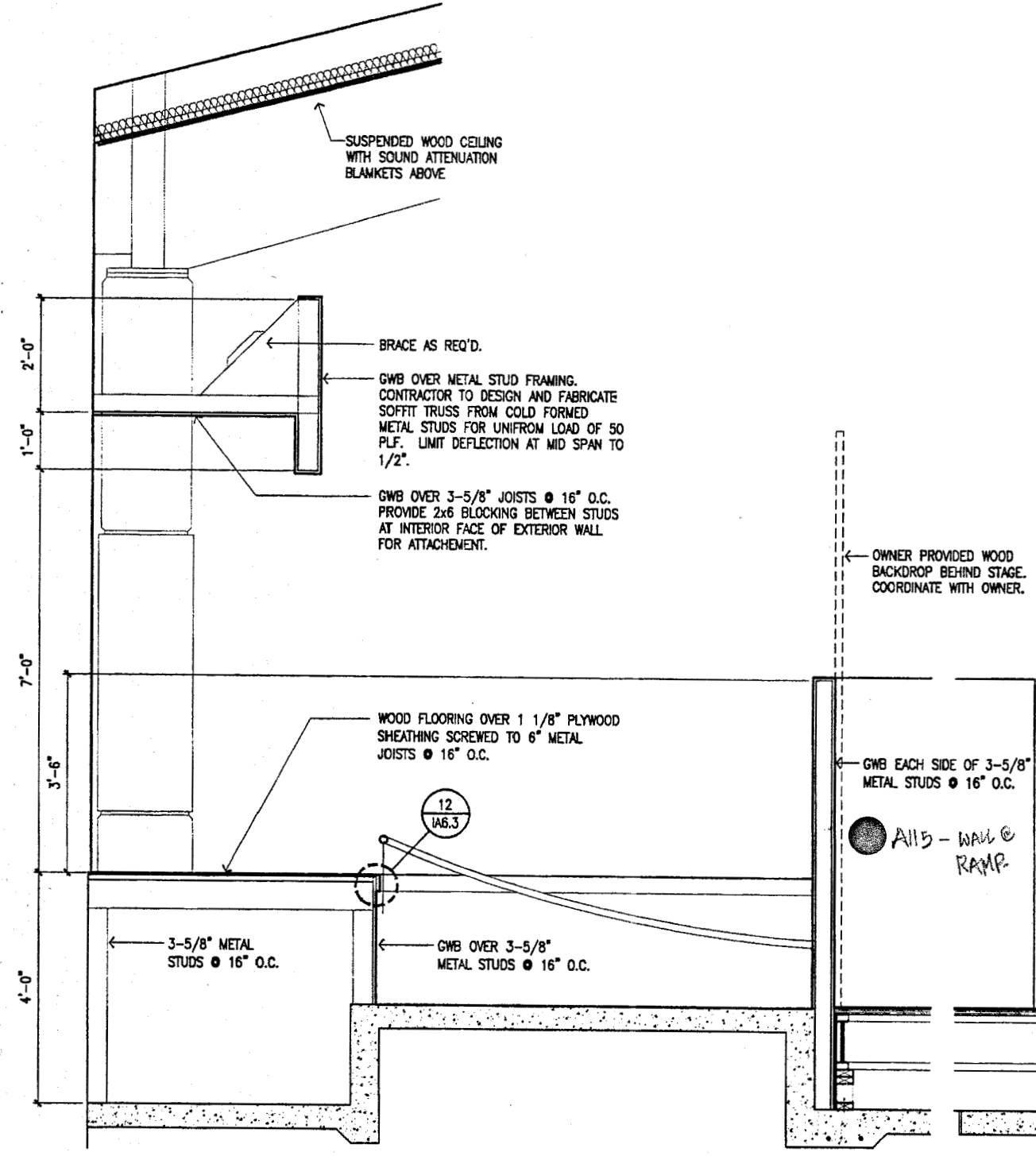
6 Section @ Crossroads/Theater
SCALE: 3/4" = 1'-0"



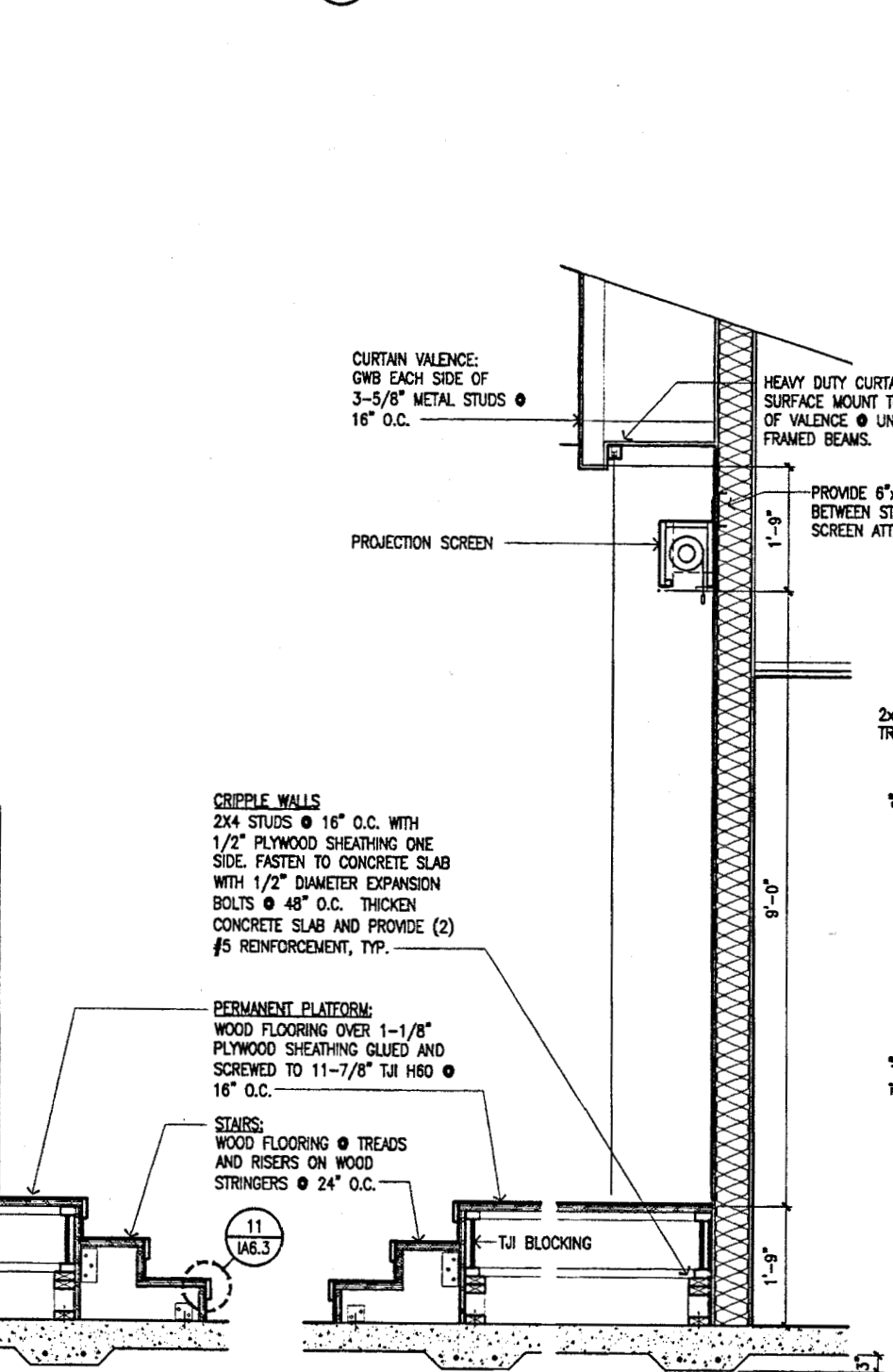
4 Section @ Studio/Exhibit Soffit
SCALE: 3/4" = 1'-0"



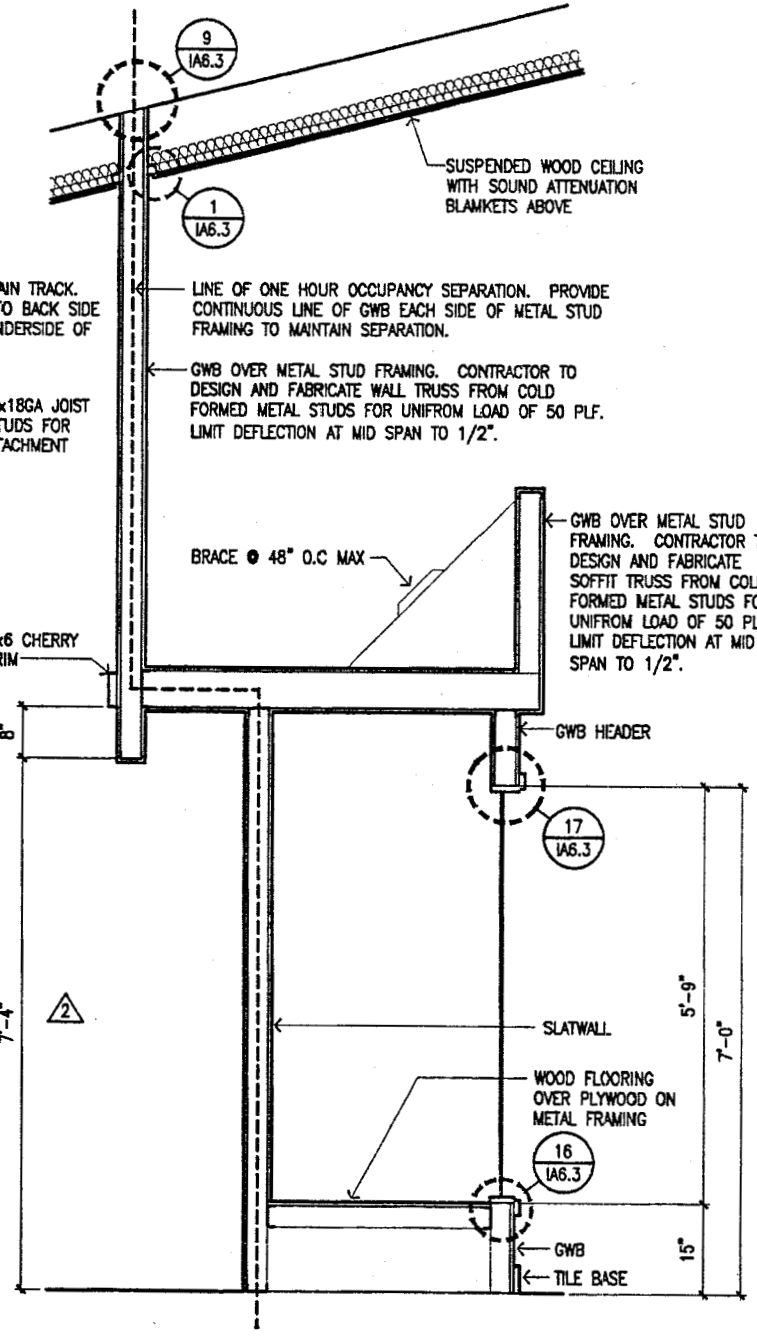
2 Section @ Built in Bench
SCALE: 3/4" = 1'-0"



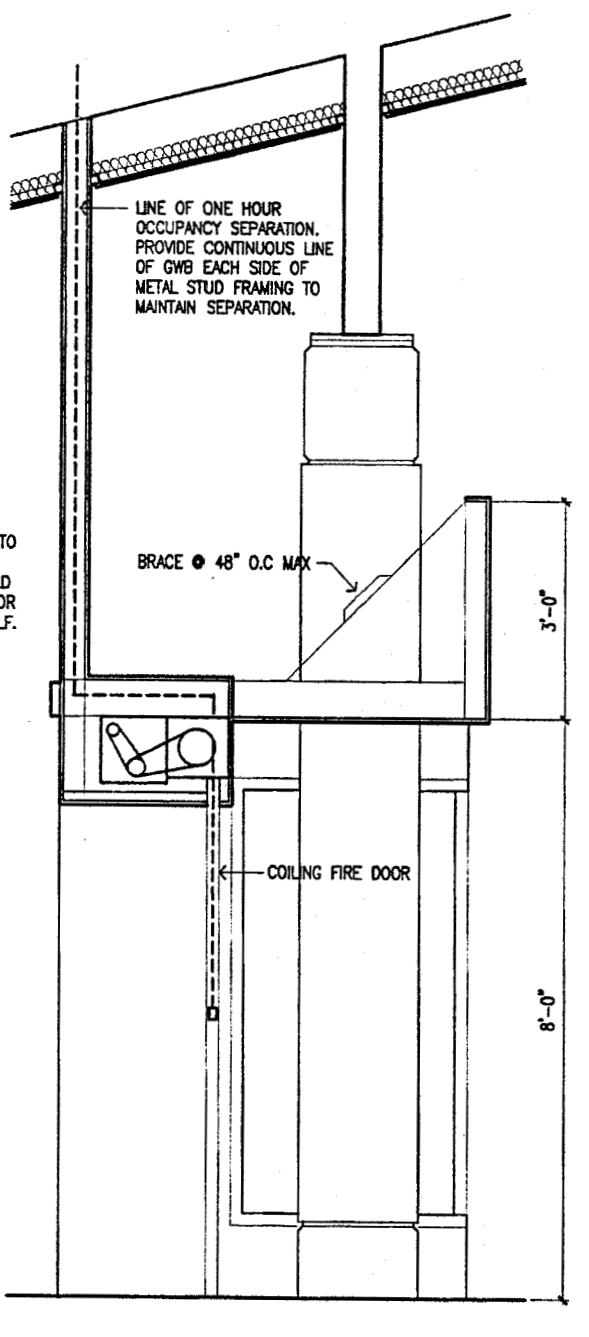
7 Section @ Gathering Stage
SCALE: 3/4" = 1'-0"



5 Section @ Theater Stage
SCALE: 3/4" = 1'-0"



3 Section @ Display Case
SCALE: 3/4" = 1'-0"



1 Section @ Coiling Door
SCALE: 3/4" = 1'-0"



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA
WALL SECTIONS

Revisions
BENCH
SOFFIT HEIGHT

CONFORMED DRAWINGS

Date 09/01/98
Drawn FWP, PhD
Checked RRR
Job No. 95023

Sheet No.
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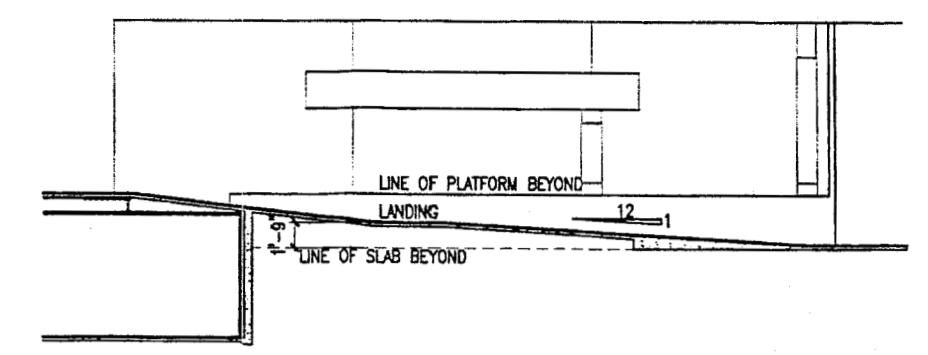
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 WALL SECTIONS

REVISIONS
 BENCH
 SOFFIT HEIGHT

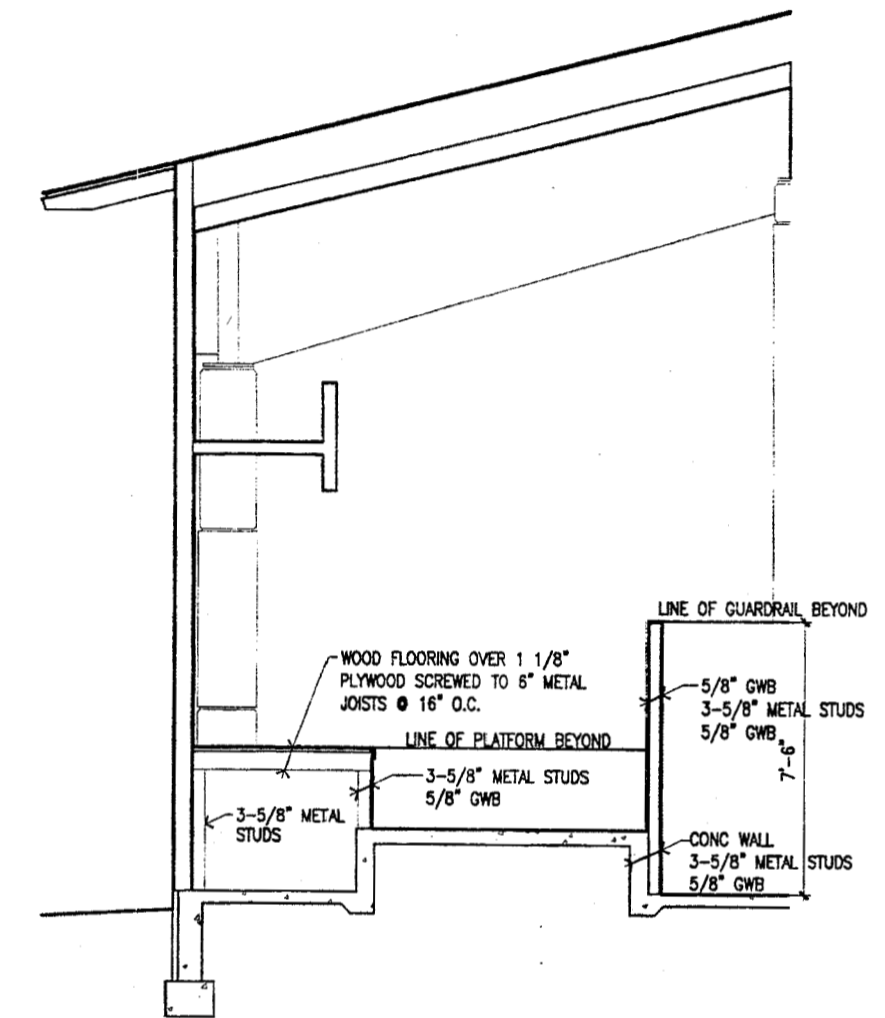
CONFORMED DRAWINGS

Date 09/01/98
 Drawn FWP, PMO
 Checked RRR
 Job No. 95023
 Sheet No.

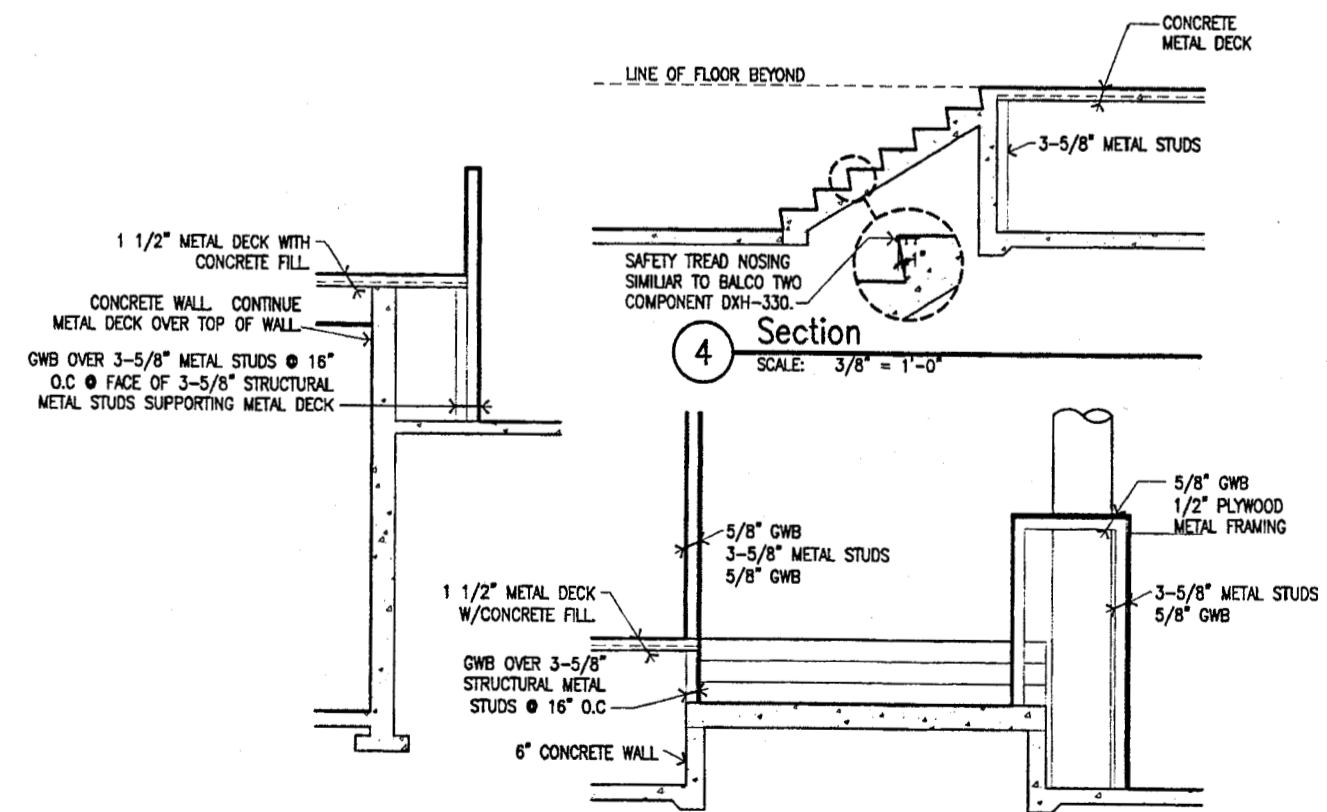
IA4.3
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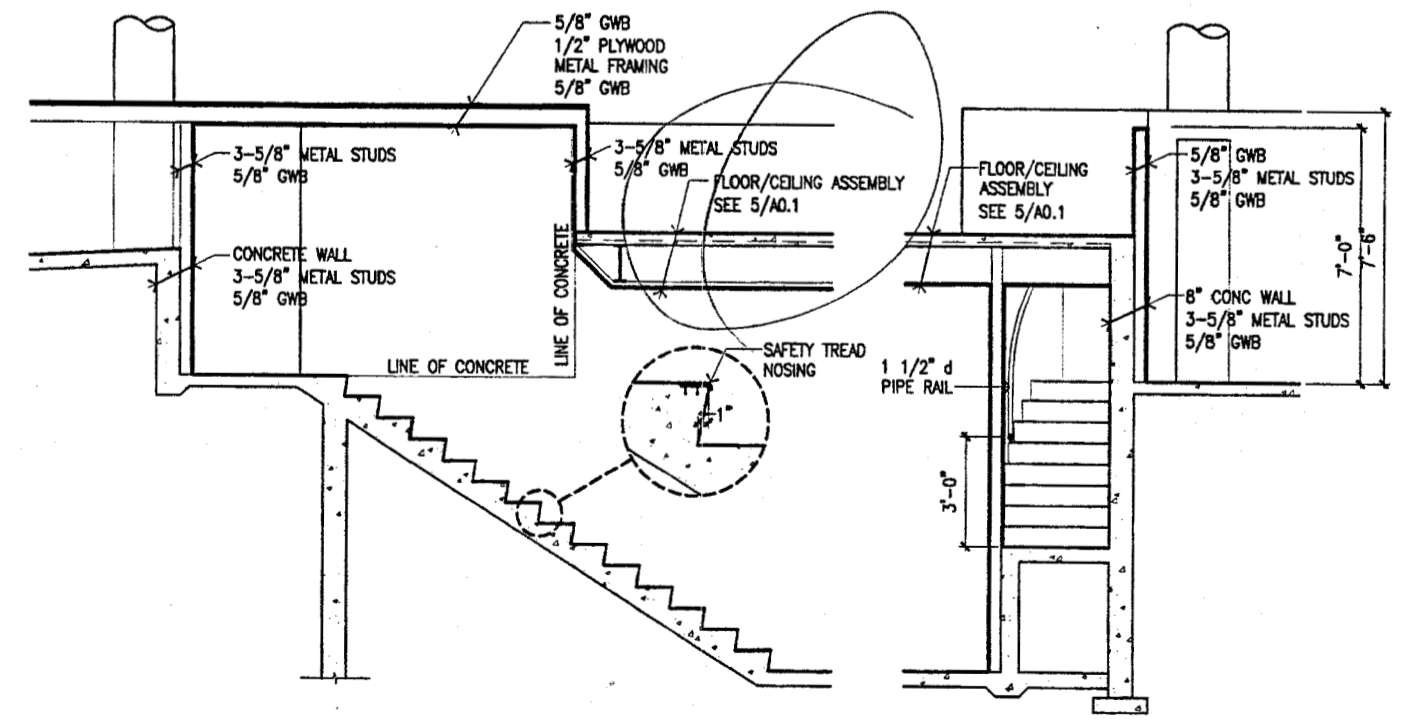
3 Section
 SCALE: 1/8" = 1'-0"



2 Section
 SCALE: 3/8" = 1'-0"



6 Section
 SCALE: 3/8" = 1'-0"





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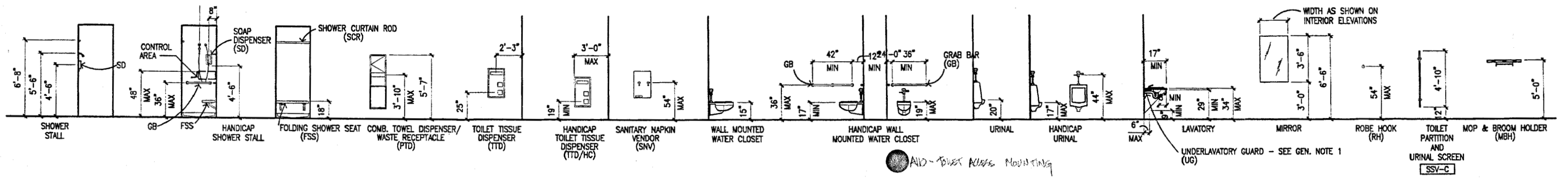
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 ENLARGED TOILET ROOM PLANS

Revisions
 DIMEN. UPDATED PER DCVR A022

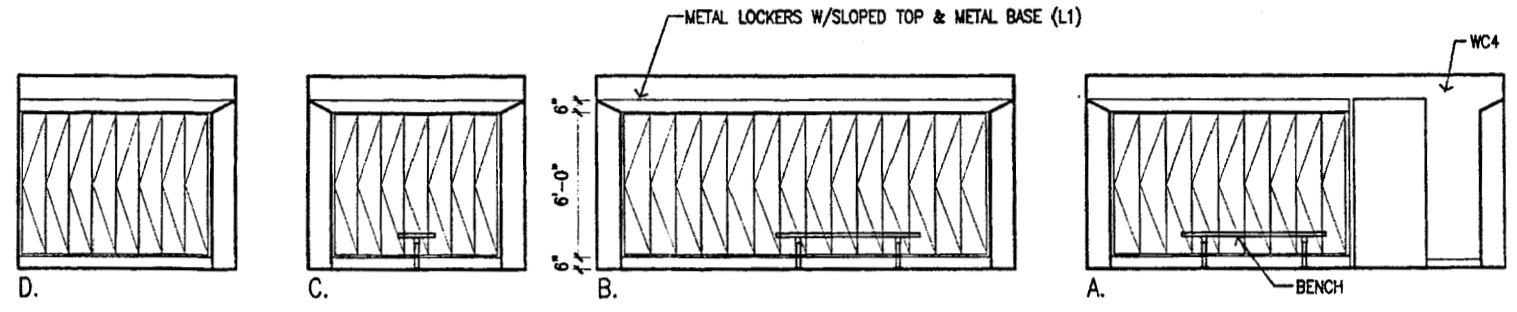
CONFORMED DRAWINGS

Date 09/01/98
 Drawn MLT
 Checked FWP
 Job No. 95023
 Sheet No.

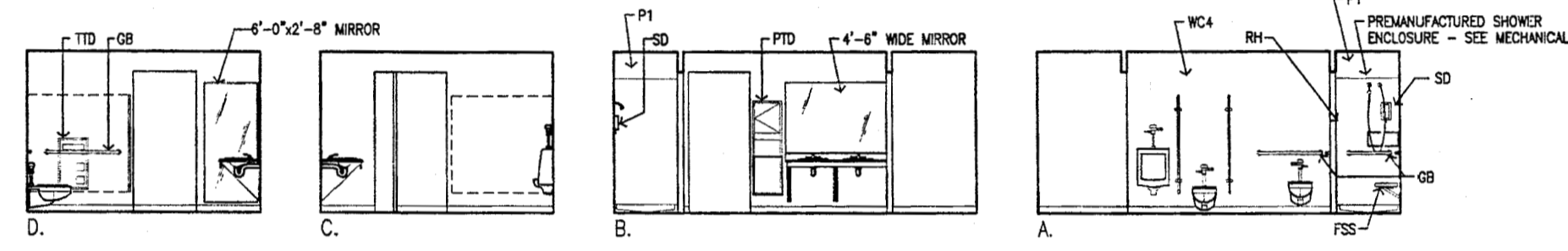
IA5.1
 ©1998 by Cash Barner Architects, Inc.



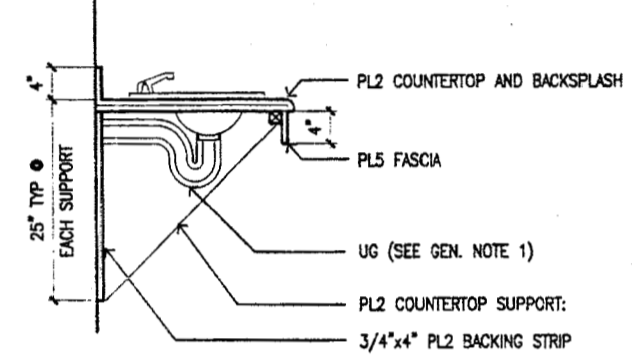
- GENERAL NOTES:**
- INSULATE EXPOSED HOT WATER AND DRAIN PIPES UNDER ALL SINKS SO AS TO PROTECT AGAINST CONTACT.
 - AT EACH STANDARD WATER CLOSET PROVIDE ONE TOILET TISSUE DISPENSER (TTD). AT EACH HANDICAP WATER CLOSET PROVIDE ONE TOILET TISSUE DISPENSER IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS (TTD/HC). AT EACH WATER CLOSET IN WOMEN'S TOILET ROOMS PROVIDE ONE SANITARY NAPKIN VENDOR (SNV).
 - AT EACH LAVATORY PROVIDE ONE SOAP DISPENSER (SD).



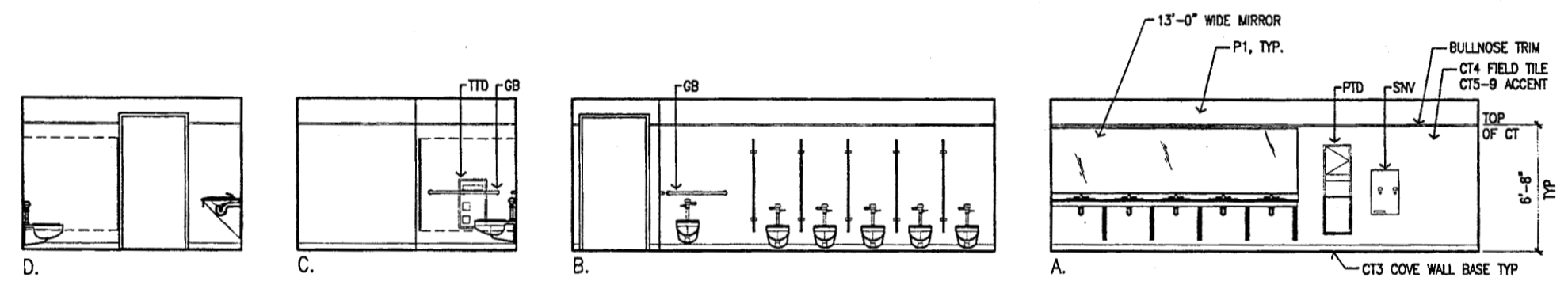
10 Interior Elevation
 SCALE: 1/4"=1'-0"



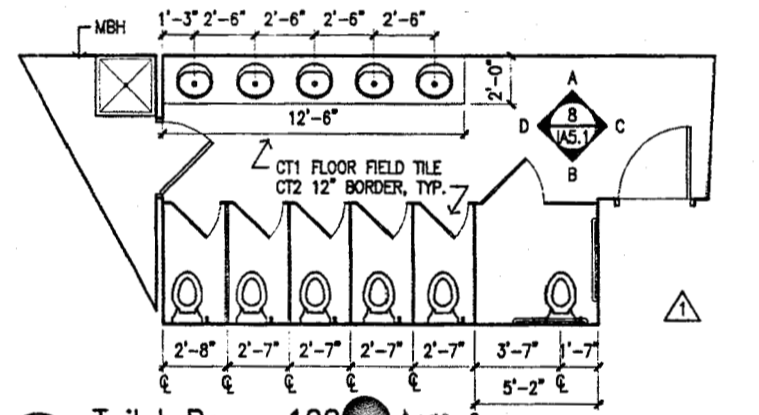
9 Interior Elevation
 SCALE: 1/4"=1'-0"



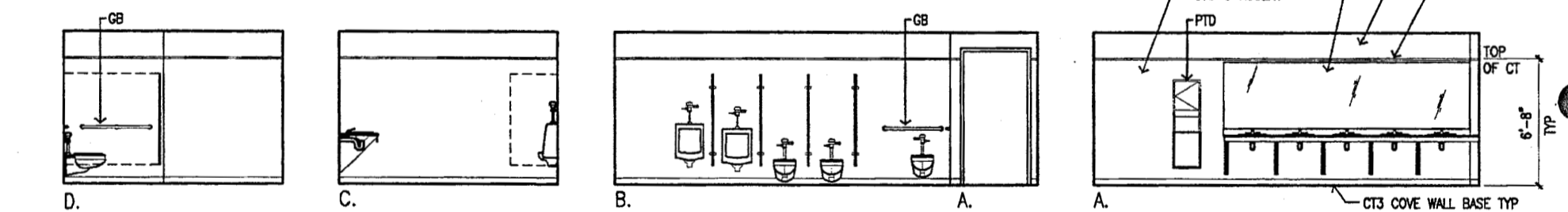
4 Counter Detail
 SCALE: NTS



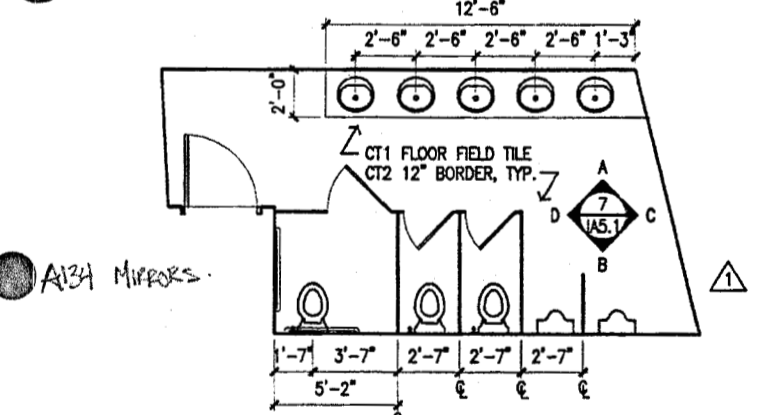
8 Interior Elevation
 SCALE: 1/4"=1'-0"



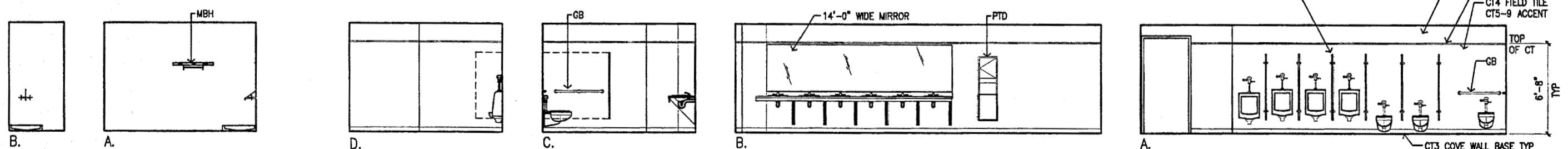
3 Toilet Room 128
 SCALE: 1/4"=1'-0"



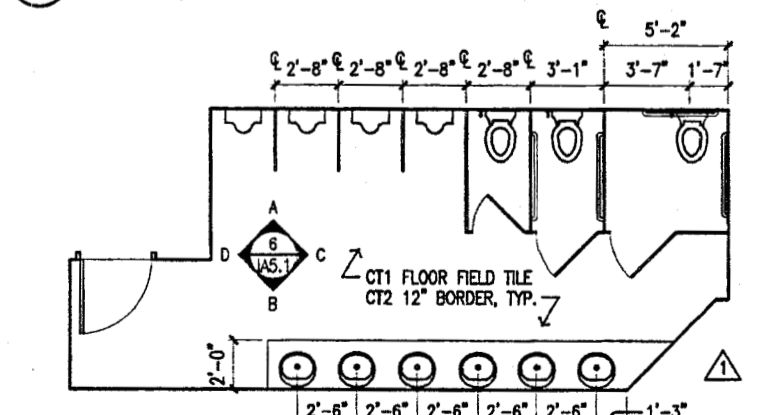
7 Interior Elevation
 SCALE: 1/4"=1'-0"



2 Toilet Room 131
 SCALE: 1/4"=1'-0"



6 Interior Elevation
 SCALE: 1/4"=1'-0"



1 Toilet Room 163 (161 SIM.)
 SCALE: 1/4"=1'-0"

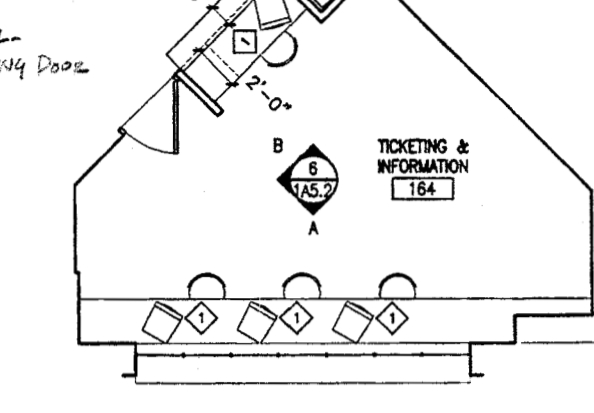
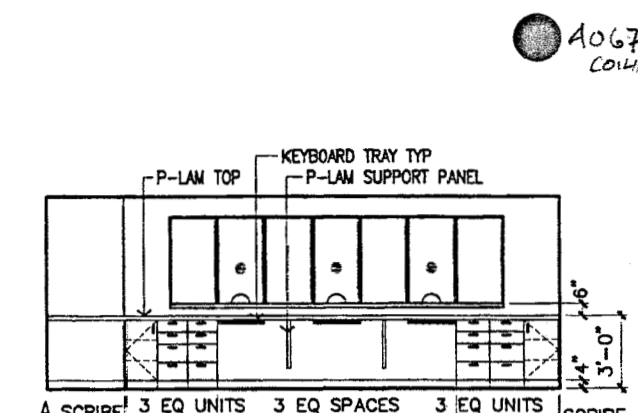
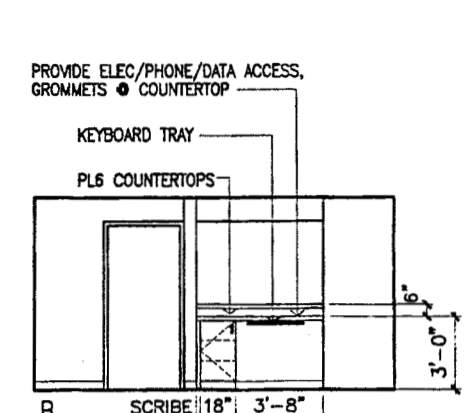
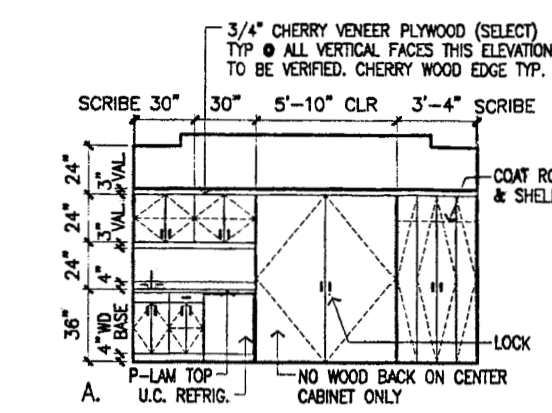
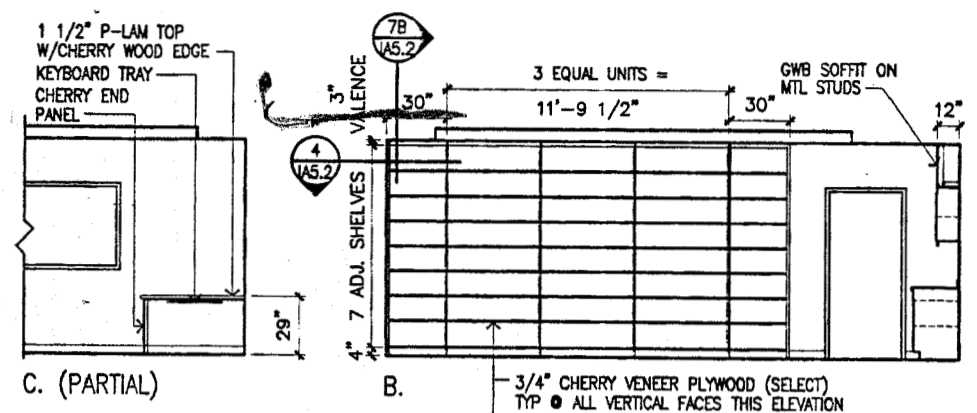
11 Interior Elevation
 SCALE: 1/4"=1'-0"



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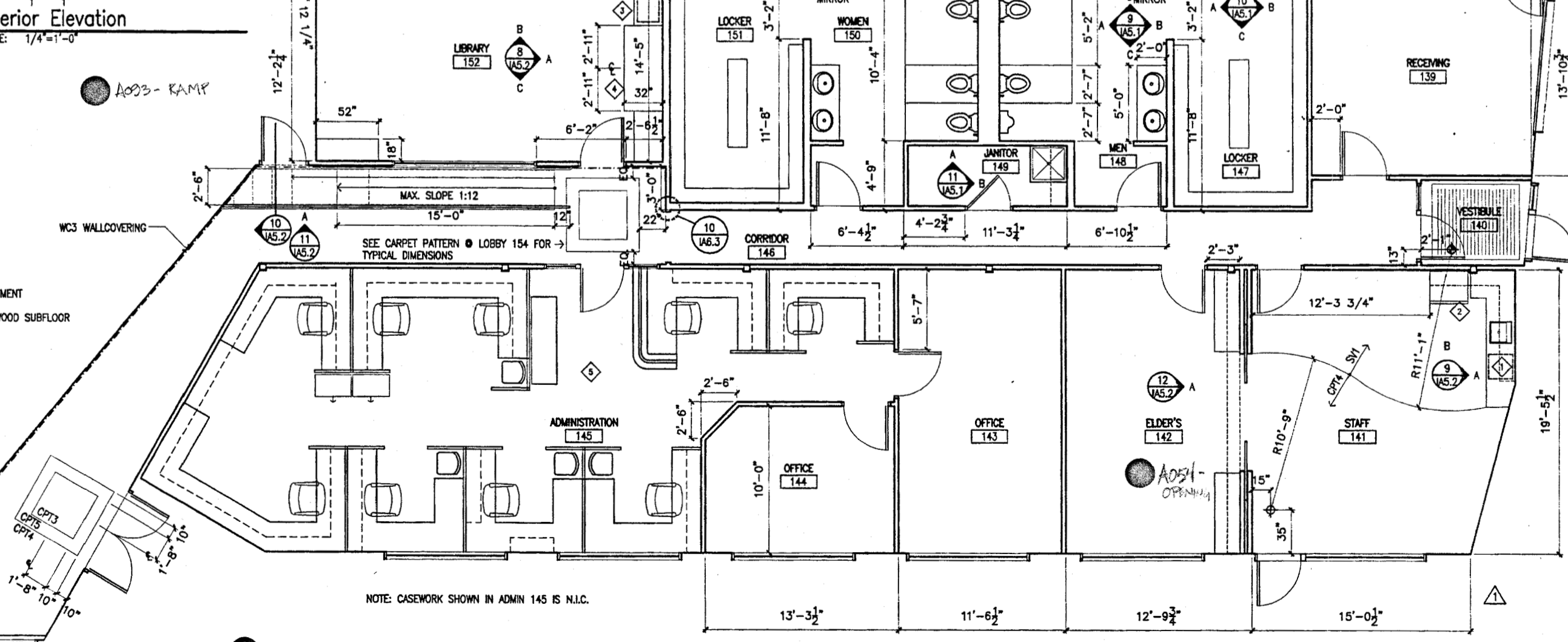
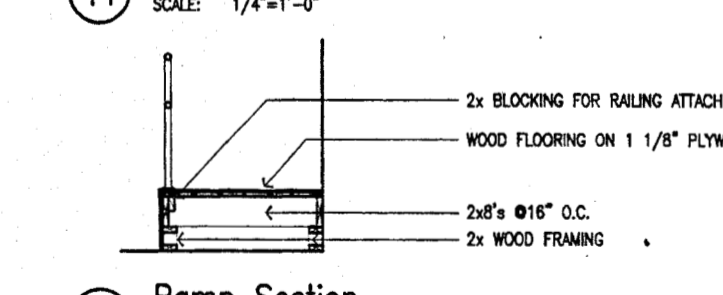
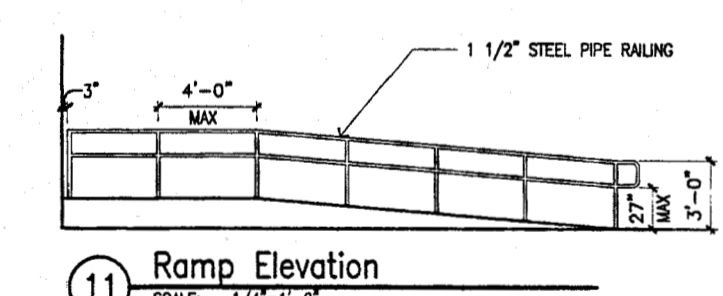
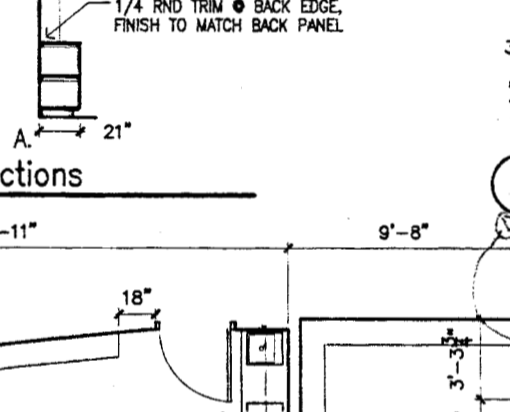
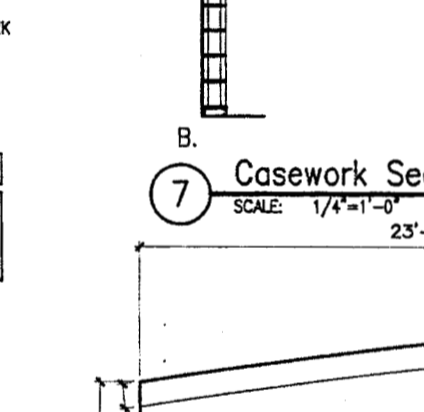
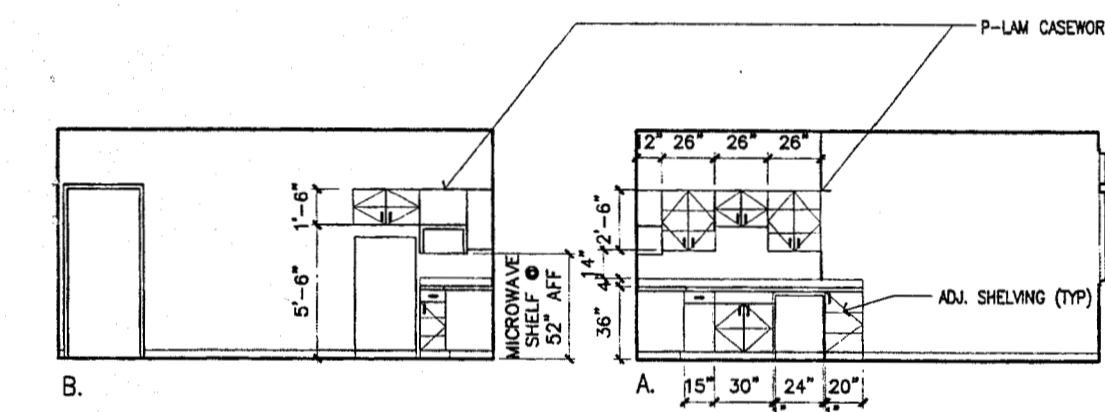
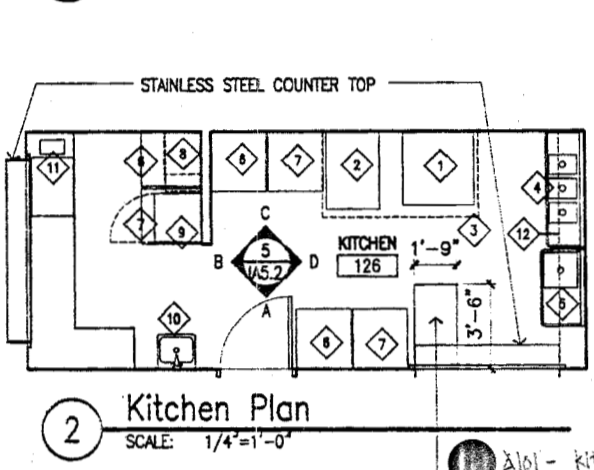
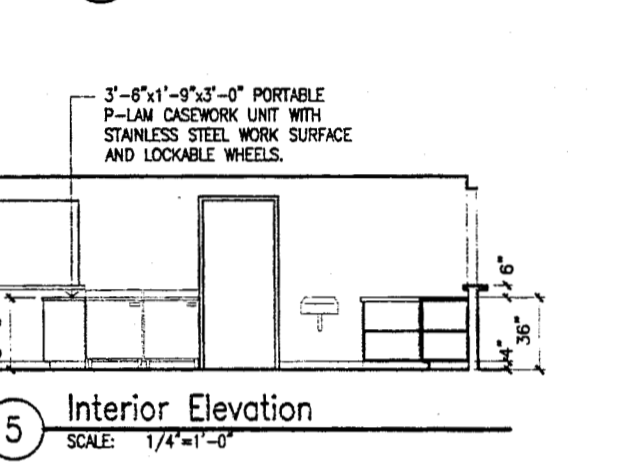
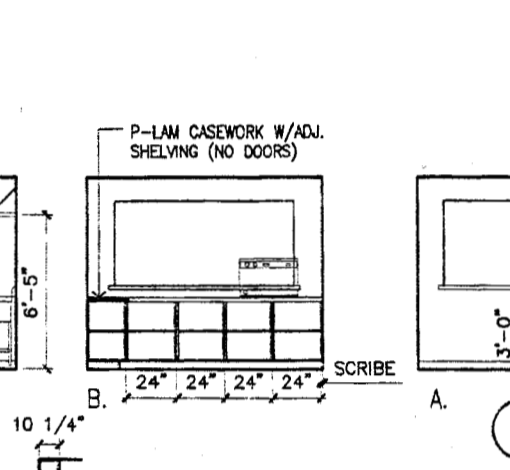
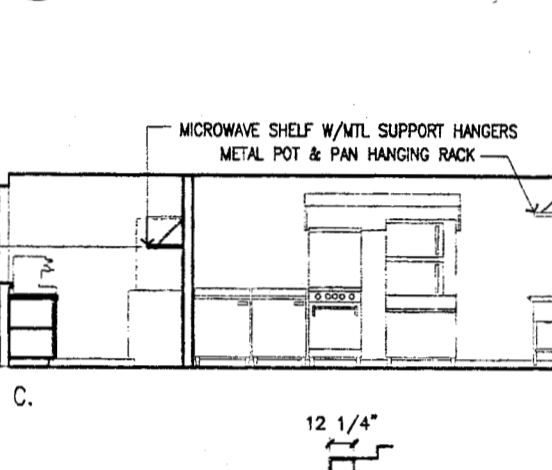
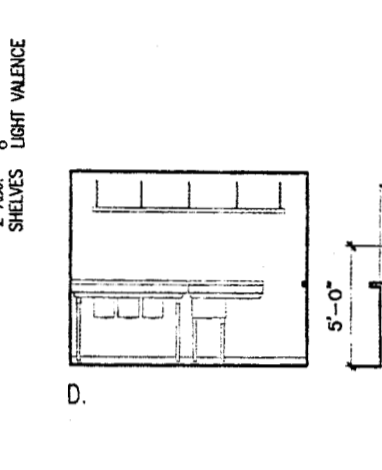
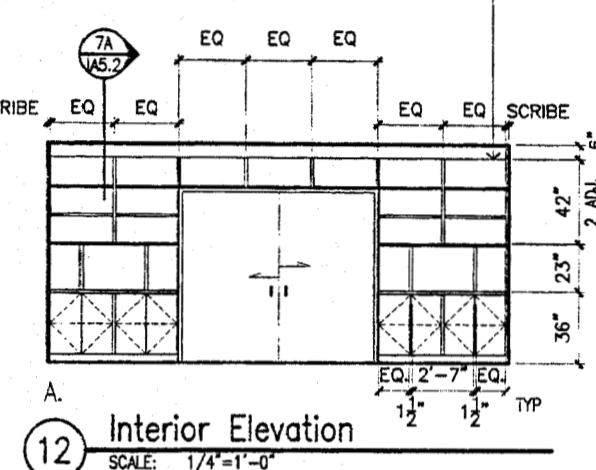
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 ENLARGED PLANS & INTERIOR ELEVATIONS

CONFORMED DRAWING
 Date 09/01/98
 Drawn FW
 Checked RR
 Job No. 9502
 Sheet No. IA5.2
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| ITEM | DESCRIPTION | 07/01 | 07/02 | 07/03 |
|------|----------------------|-------|-------|-------|
| 1 | TICKET SALES STATION | | | |

| ITEM | DESCRIPTION | 07/01 | 07/02 | 07/03 |
|------|----------------------------|-------|-------|-------|
| 1 | CONVECTION STEAMER | | | |
| 2 | RANGE | | | |
| 3 | HOOD | | | |
| 4 | 3 COMP. SINK | | | |
| 5 | FOOD PREP SINK | | | |
| 6 | FREEZER | | | |
| 7 | REFRIGERATOR | | | |
| 8 | MICROWAVE | | | |
| 9 | MERCANDISER | | | |
| 10 | HAND SINK | | | |
| 11 | ESPRESSO MACHINE W/GRINDER | | | |
| 12 | POT & PAN HANGER | | | |



| ITEM | DESCRIPTION | 07/01 | 07/02 | 07/03 |
|------|--------------------------------|-------|-------|-------|
| 1 | DISHWASHER | | | |
| 2 | REFRIGERATOR | | | |
| 3 | UNDERCOUNTER REFRIGERATOR | | | |
| 4 | PORTABLE VIDEO CONFERENCE UNIT | | | |
| 5 | ADMINISTRATION FURNITURE | | | |

OF/OI OWNER FURNISHED/OWNER INSTALLED
 OF/CI OWNER FURNISHED/CONTRACTOR INSTALLED
 OF/C CONTRACTOR FURNISHED/CONTRACTOR INSTALLED

NOTE: CASEWORK SHOWN IN ADMIN 145 IS N.I.C.

1 Administration Plan
 SCALE: 1/4"=1'-0"

11 C121 - CASEWORK



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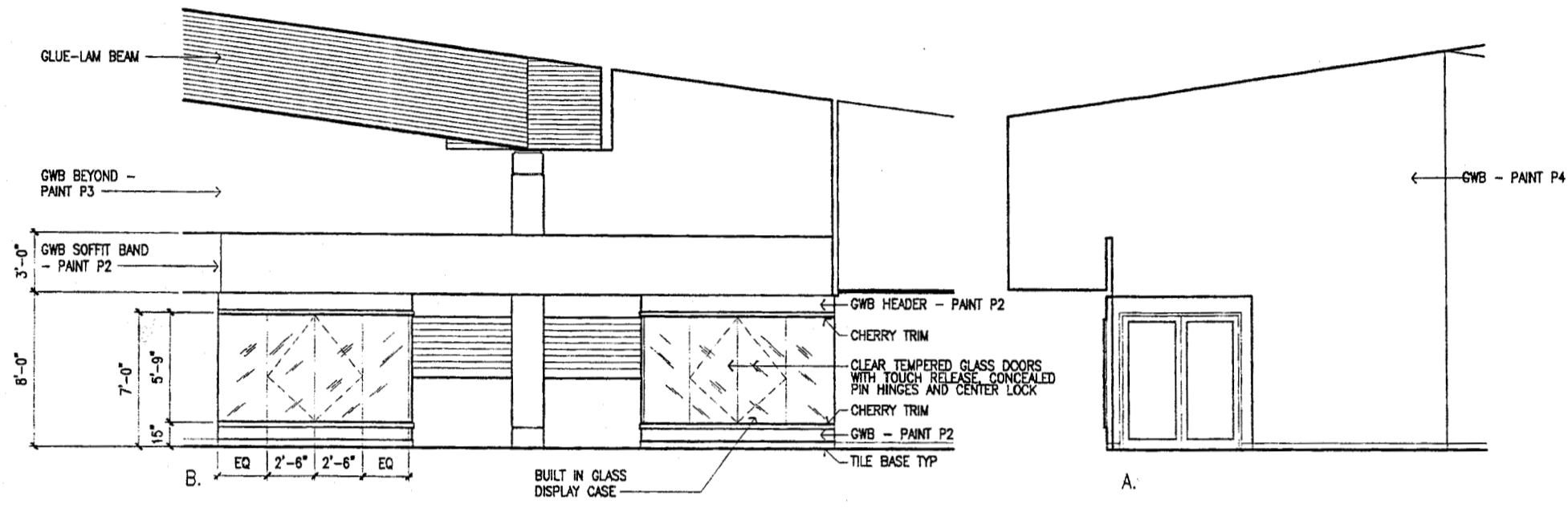
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 ENLARGED GIFT SHOP PLAN AND INTERIOR ELEVATIONS

Revisions
 PAINT COLORS

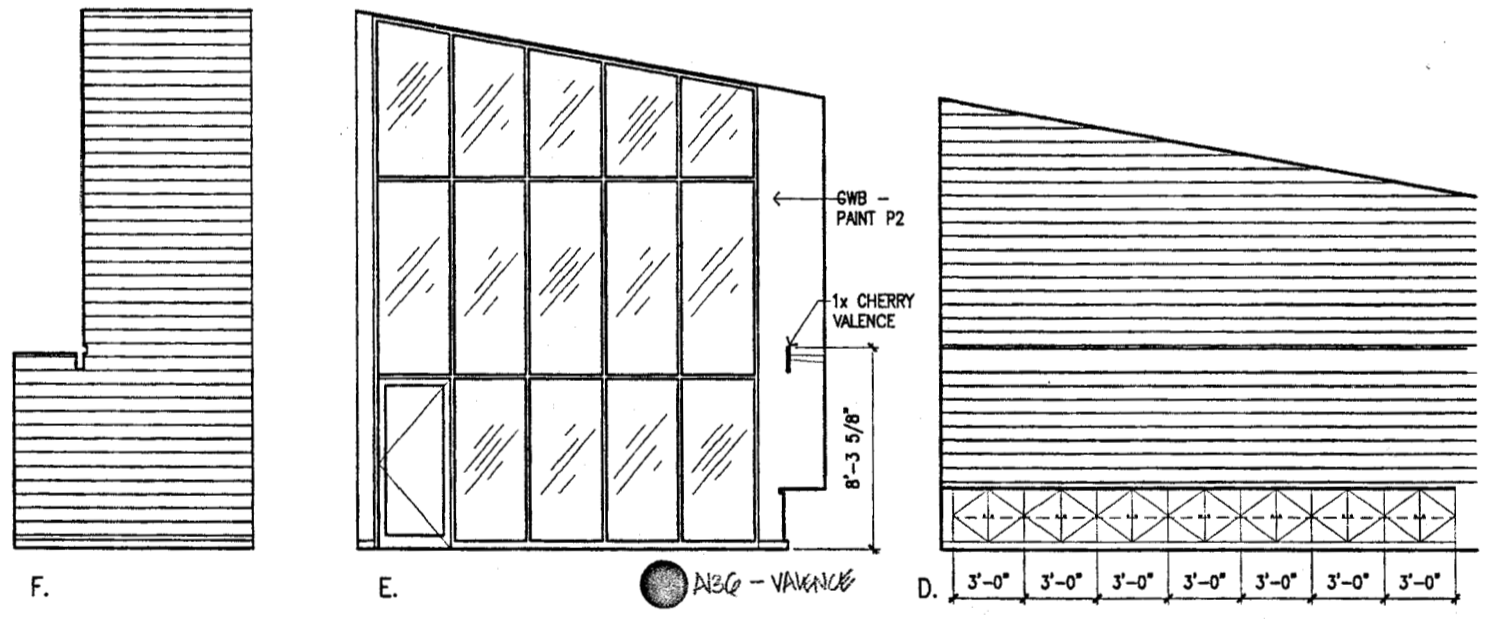
CONFORMED DRAWINGS

Date 09/01/98
 Draw FWP
 Checked RRR
 Job No. 95023

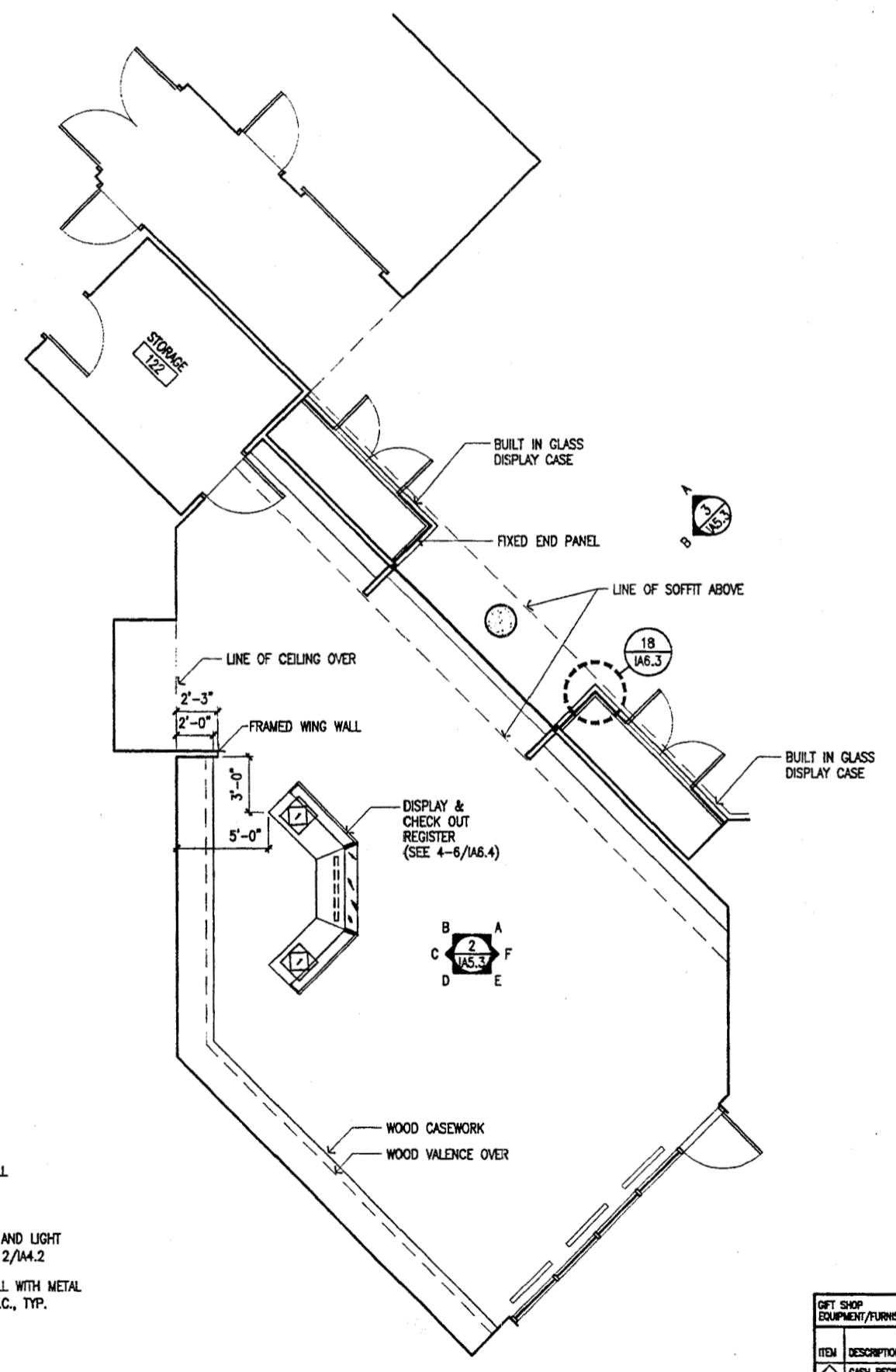
Sheet No.
IA5.3
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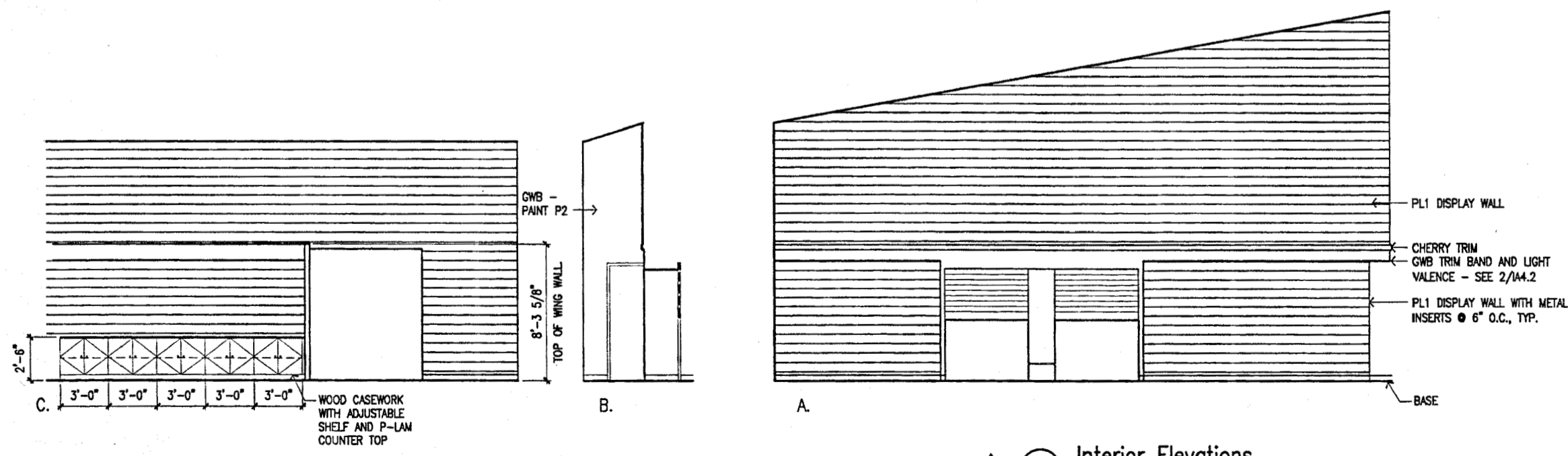
3 Interior Elevation
 SCALE: 1/4"=1'-0"



2 Interior Elevations
 SCALE: 1/4"=1'-0"



1 Gift Shop Plan
 SCALE: 1/4"=1'-0"



| GIFT SHOP EQUIPMENT/FURNISHINGS SCHEDULE | | | | |
|--|------------------------------|-----|------|---|
| ITEM | DESCRIPTION | QTY | UNIT | STATUS |
| 1 | CASH REGISTER | 1 | EA | OWNER FURNISHED/OWNER INSTALLED |
| 2 | DISPLAY WALL & WOOD CASEWORK | 1 | EA | OWNER FURNISHED/CONTRACTOR INSTALLED |
| 3 | DISPLAY WALL ACCESSORIES | 1 | EA | CONTRACTOR FURNISHED/CONTRACTOR INSTALLED |

CR1-CAS-WORK



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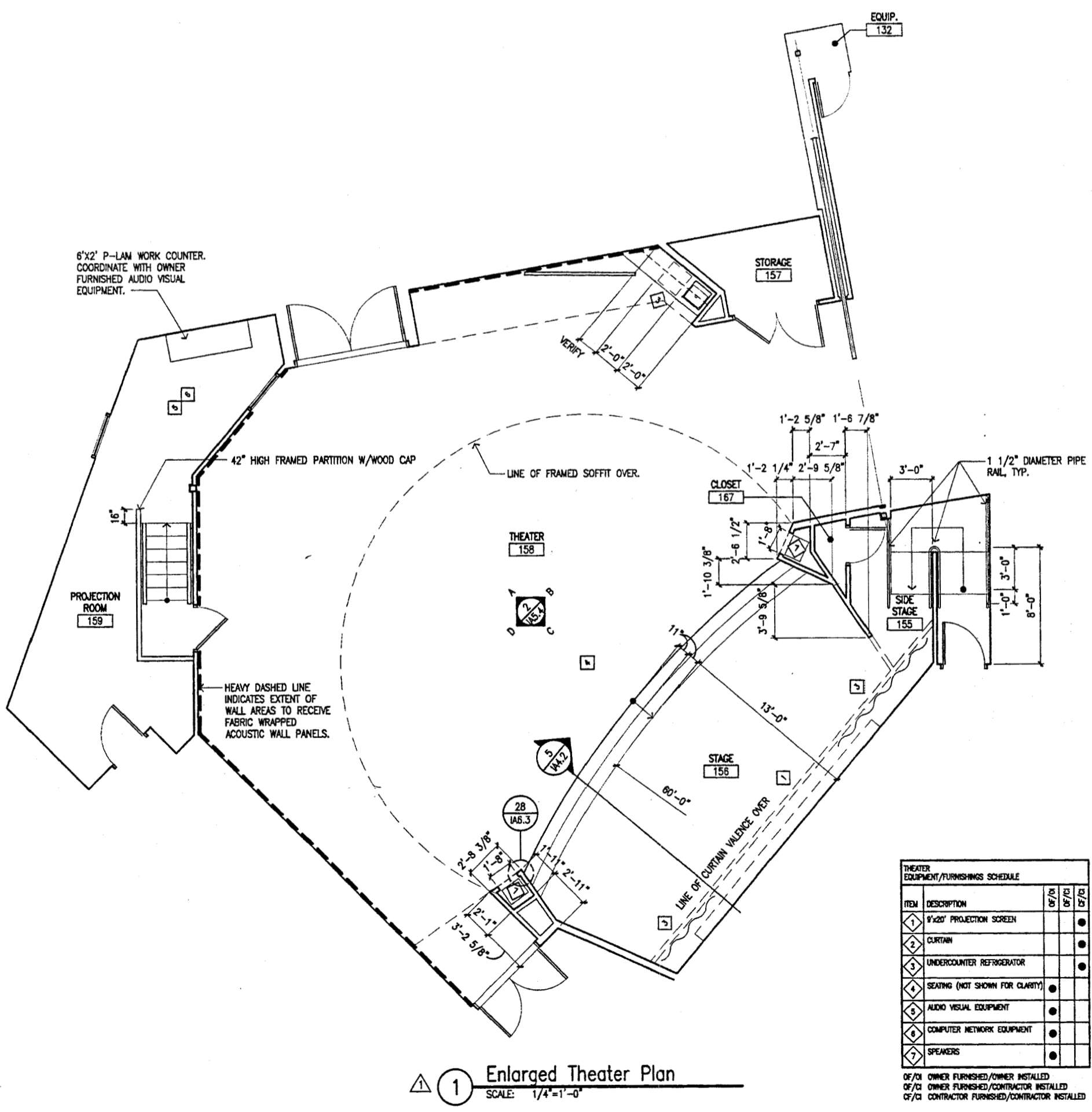
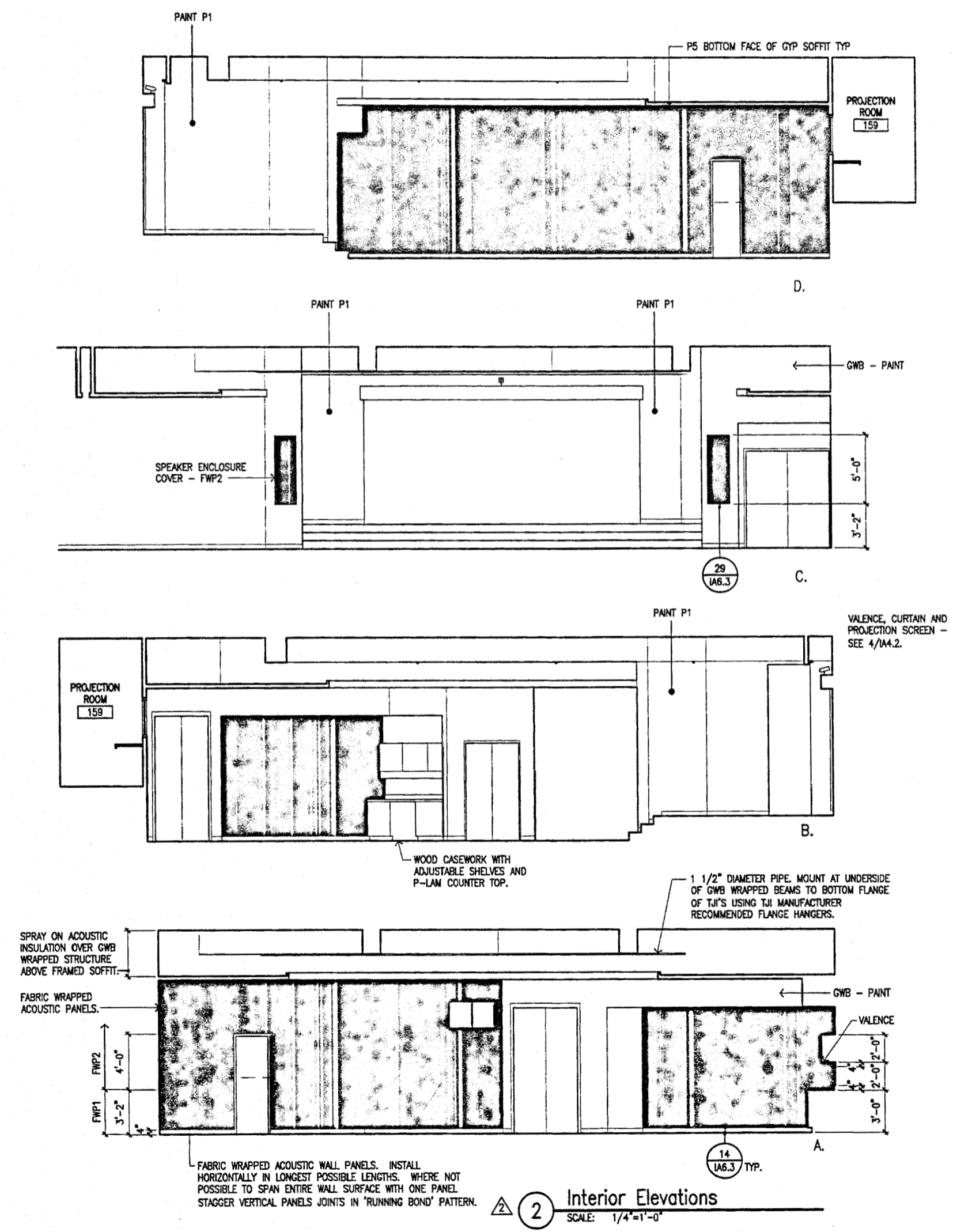
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 ENLARGED THEATER PLAN & INTERIOR ELEVATIONS

Revisions:
 1. ADDED SPEAKER ENCLOSURES
 2. ACOUSTIC PANELS

CONFORME
 DRAWING

Date: 09/01/94
 Drawn: FW
 Checked: RRF
 Job No.: 9502

Sheet No.:
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| THEATER EQUIPMENT/FURNISHINGS SCHEDULE | | | | |
|--|---------------------------------|-----|-------|-------|
| ITEM | DESCRIPTION | QTY | OF/CI | OF/CI |
| 1 | 8'x20' PROJECTION SCREEN | | | |
| 2 | CURTAIN | | | |
| 3 | UNDERCOUNTER REFRIGERATOR | | | |
| 4 | SEATING (NOT SHOWN FOR CLARITY) | | | |
| 5 | AUDIO VISUAL EQUIPMENT | | | |
| 6 | COMPUTER NETWORK EQUIPMENT | | | |
| 7 | SPEAKERS | | | |

OF/OI OWNER FURNISHED/OWNER INSTALLED
 OF/CI OWNER FURNISHED/CONTRACTOR INSTALLED
 OF/CI CONTRACTOR FURNISHED/CONTRACTOR INSTALLED



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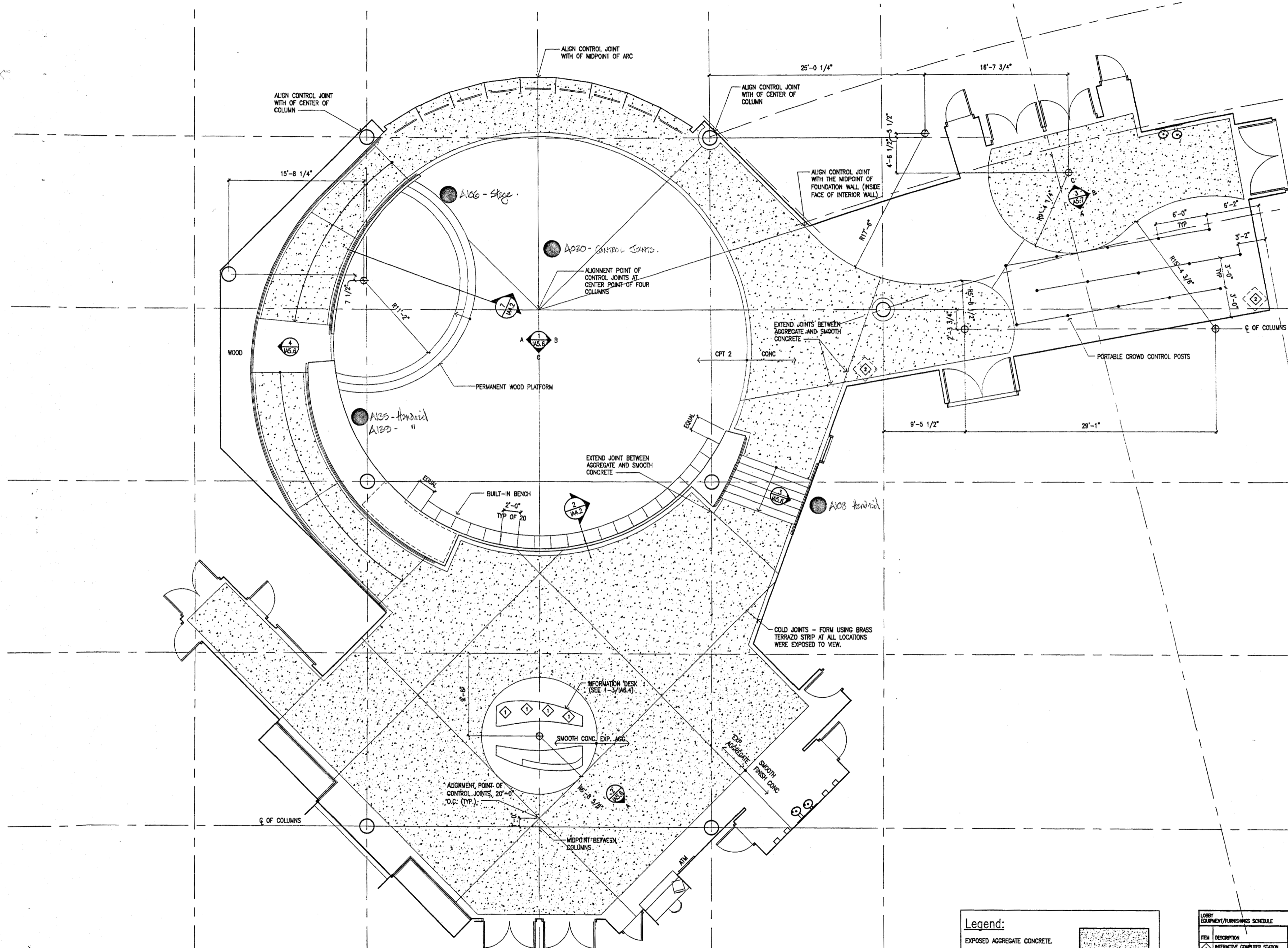
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 ENLARGED GATHERING PLACE PLAN

Revisions

CONFORMED DRAWINGS

Date 09/01/98
 Draw PWD, FWP
 Checked RRR
 Job No. 95023

Sheet No.
IA5.5
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1 Gathering Place Plan
 SCALE: 1/4"=1'-0"

Legend:

EXPOSED AGGREGATE CONCRETE.

SMOOTH FINISH CONCRETE UNLESS NOTED OTHERWISE.

LOBBY EQUIPMENT/FURNISHINGS SCHEDULE

| ITEM | DESCRIPTION | 07/98 | 08/98 | 09/98 |
|------|------------------------------|-------|-------|-------|
| 1 | INTERACTIVE COMPUTER STATION | • | | |
| 2 | SUSPENDED VIDEO MONITORS | | • | |

OF/CI OWNER FURNISHED/OWNER INSTALLED
 OF/CI OWNER FURNISHED/CONTRACTOR INSTALLED
 OF/CI CONTRACTOR FURNISHED/CONTRACTOR INSTALLED



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 ANHC
 ANCHORAGE, ALASKA

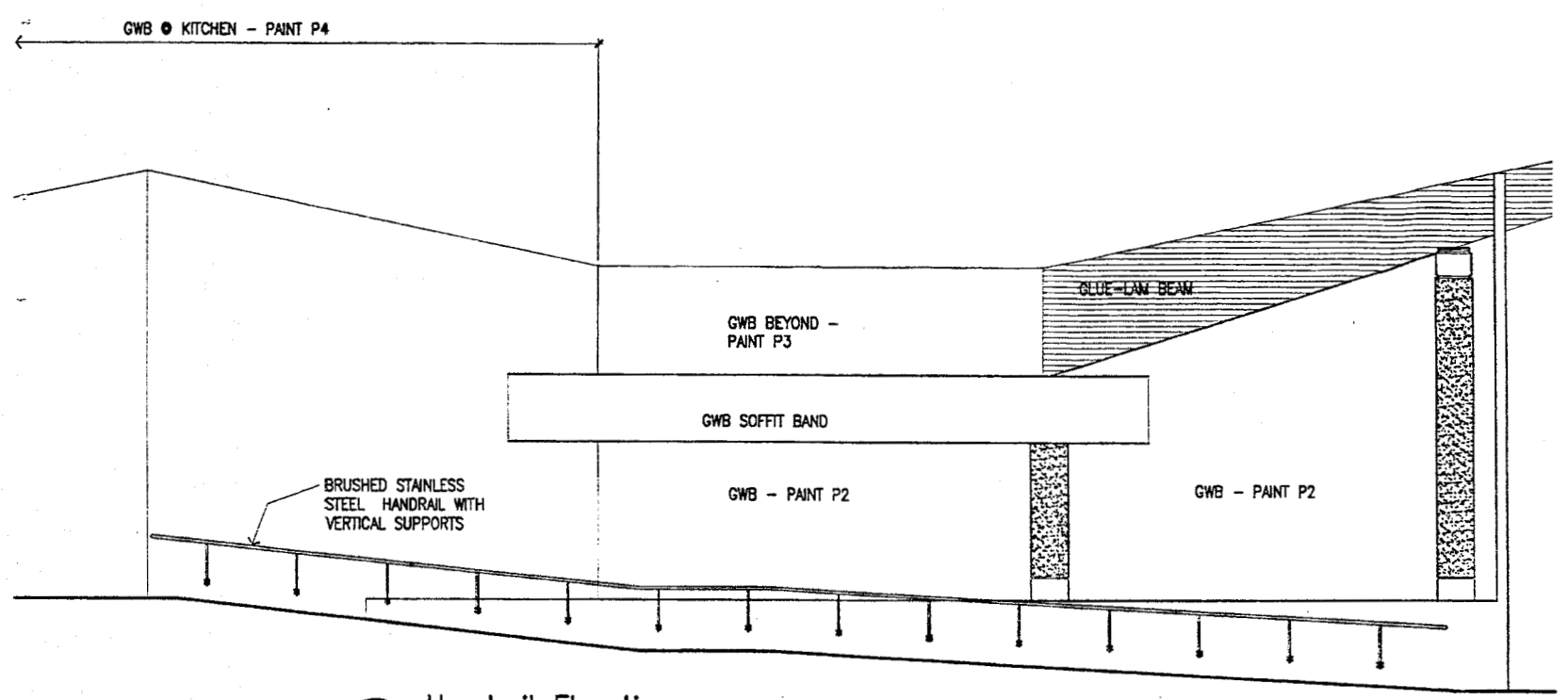
GATHERING PLACE INTERIOR ELEVATIONS

Revisions
 PAINT COLORS

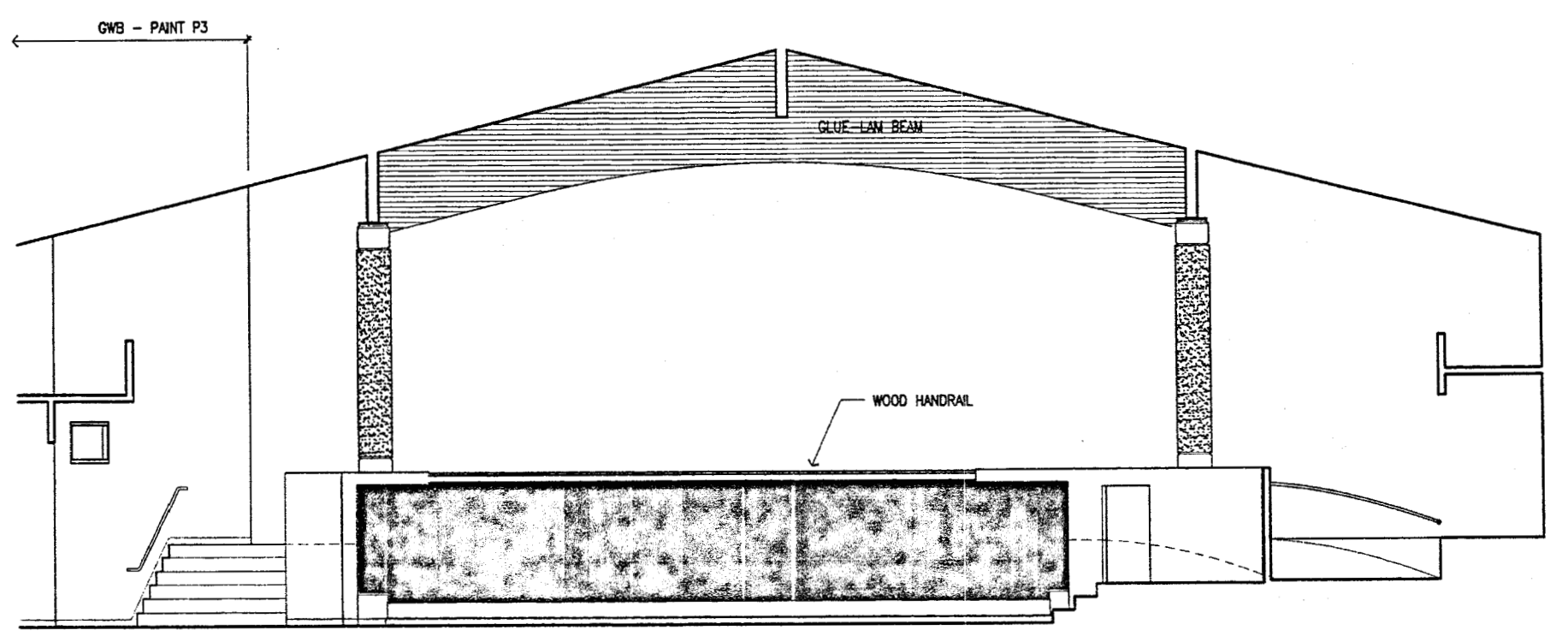
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Date 09/01/98
 Draw PMD
 Checked RRR
 Job No. 95023
 Sheet No.

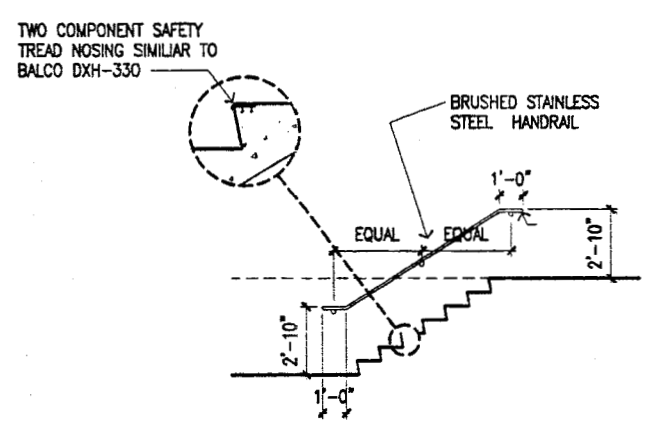
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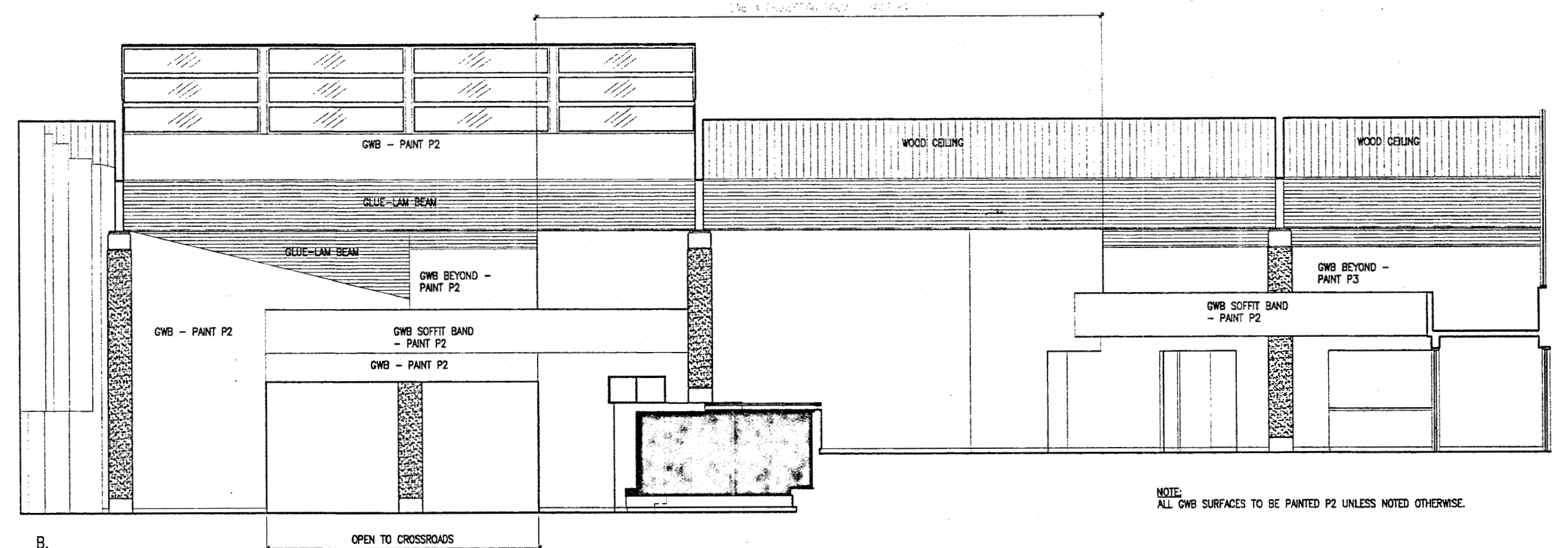
4 Handrail Elevations
 SCALE: 1/4"=1'-0"



C.

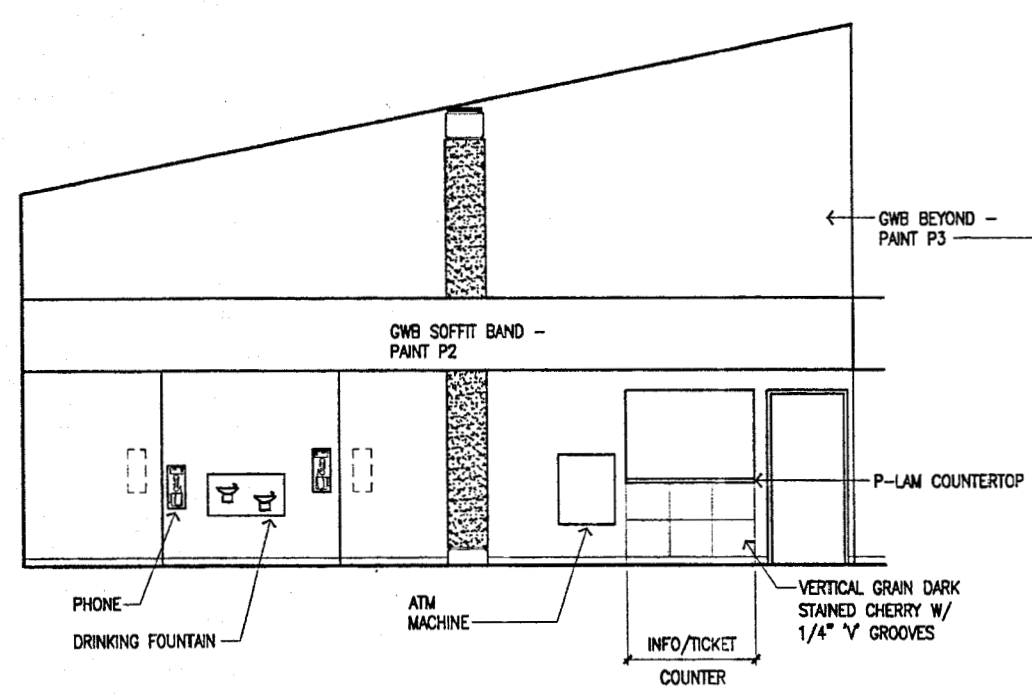


3 Handrail Elevation
 SCALE: 1/4"=1'-0"

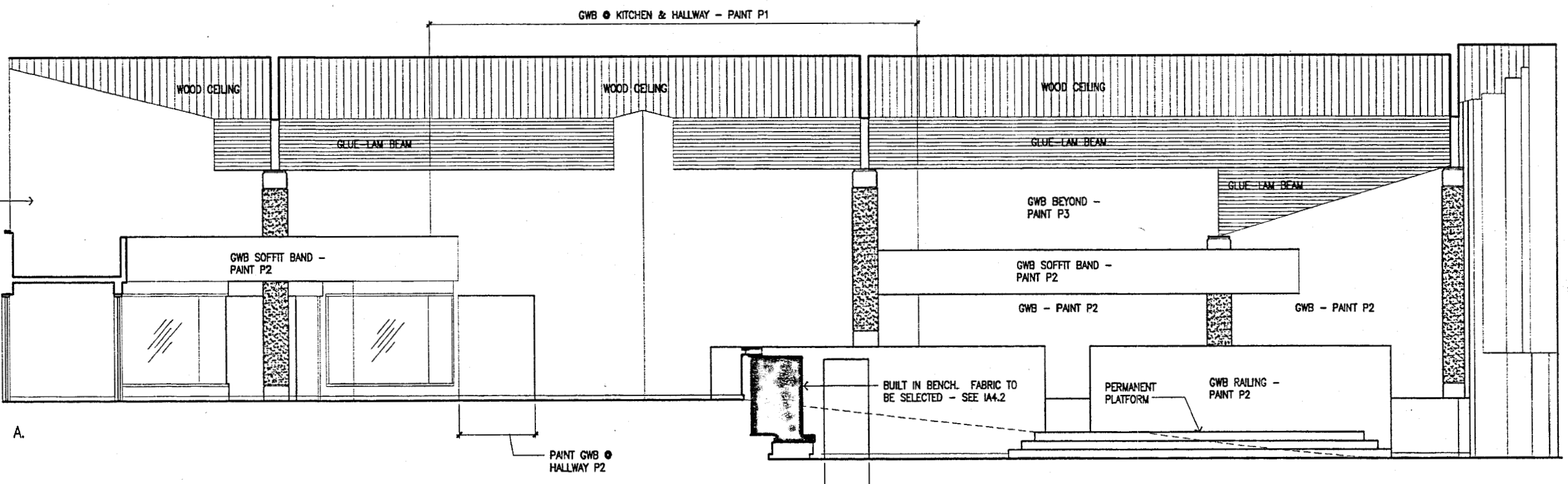


NOTE:
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B.

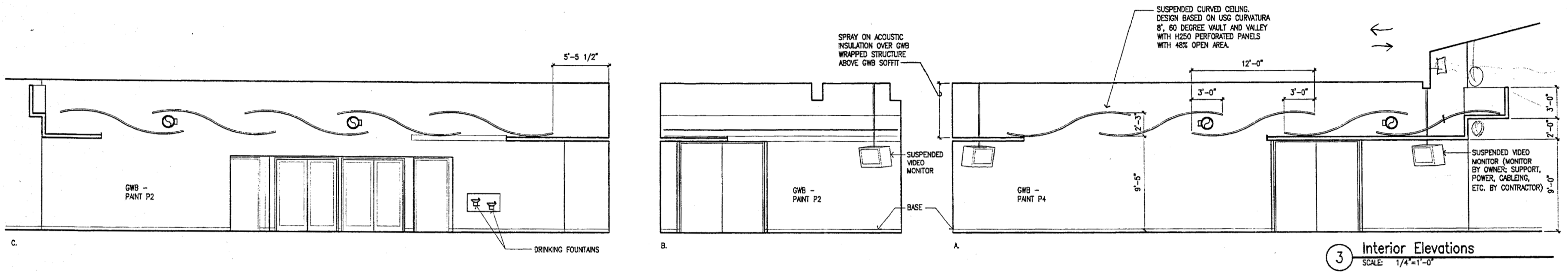


2 Interior Elevation
 SCALE: 1/4"=1'-0"



1 Interior Elevations
 SCALE: 1/4"=1'-0"

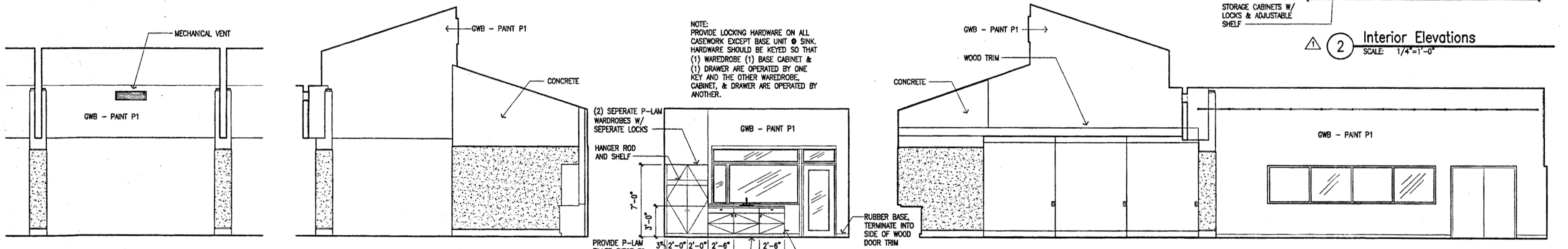
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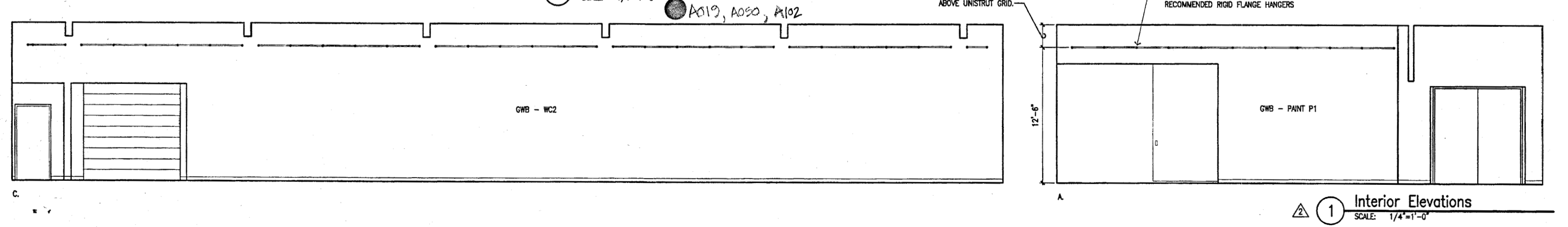
3 Interior Elevations
 SCALE: 1/4"=1'-0"



2 Interior Elevations
 SCALE: 1/4"=1'-0"



4 Interior Elevations
 SCALE: 1/4"=1'-0"



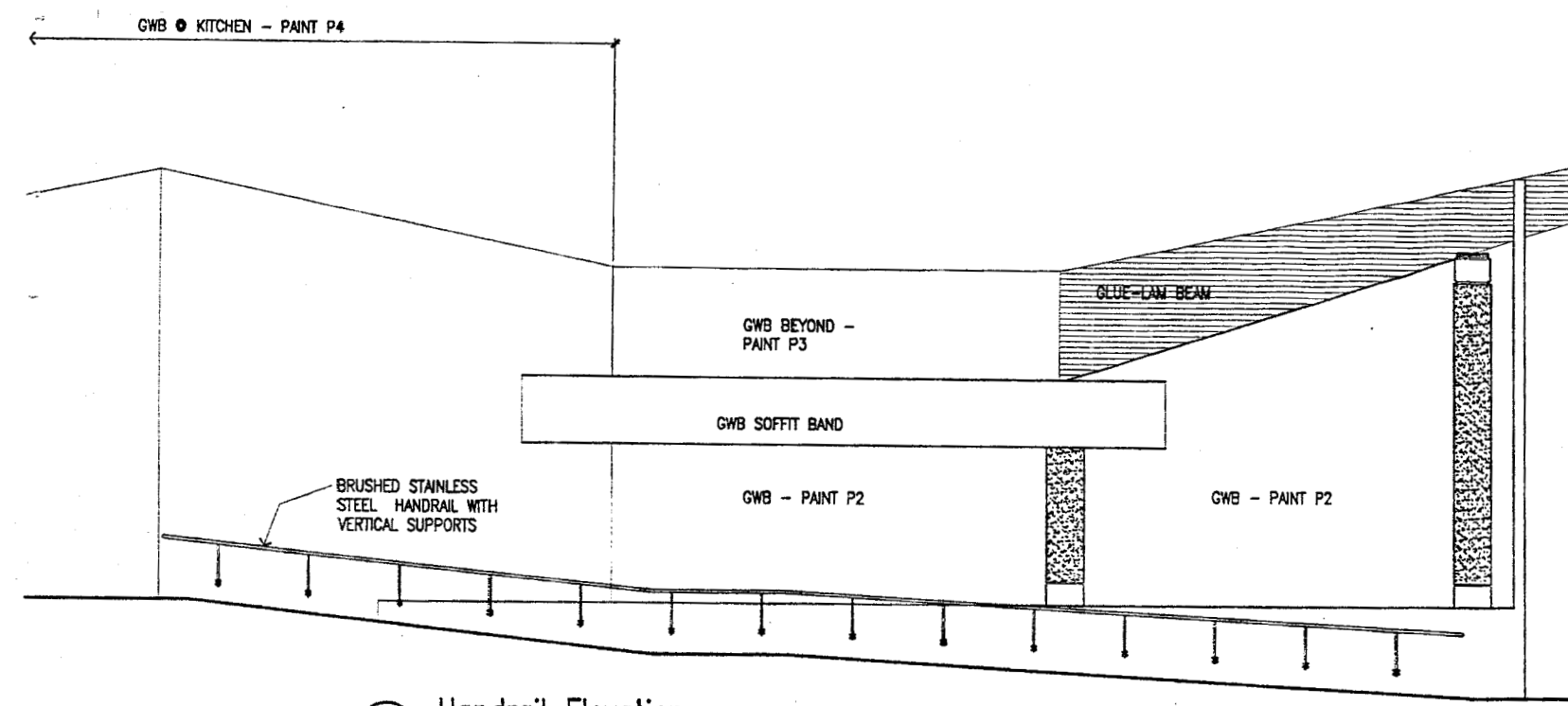
1 Interior Elevations
 SCALE: 1/4"=1'-0"



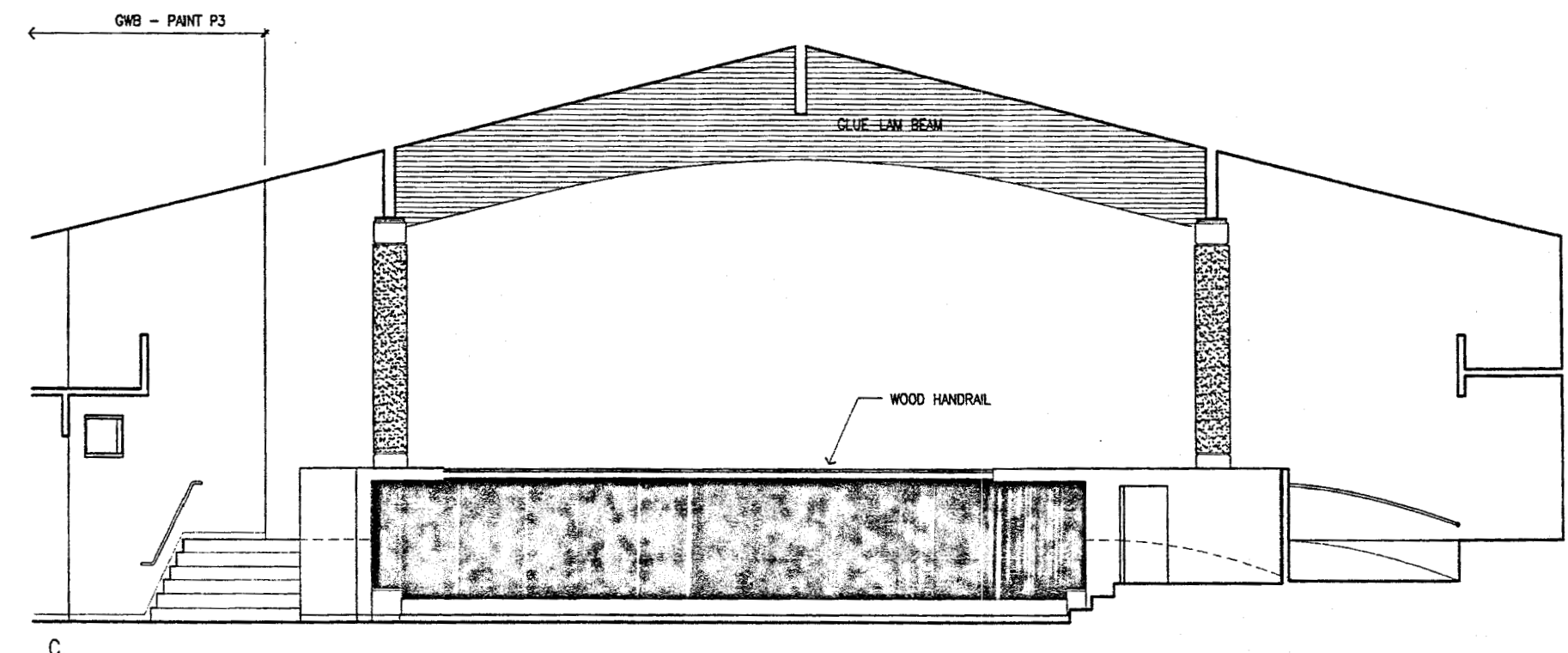
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 GATHERING PLACE INTERIOR ELEVATIONS

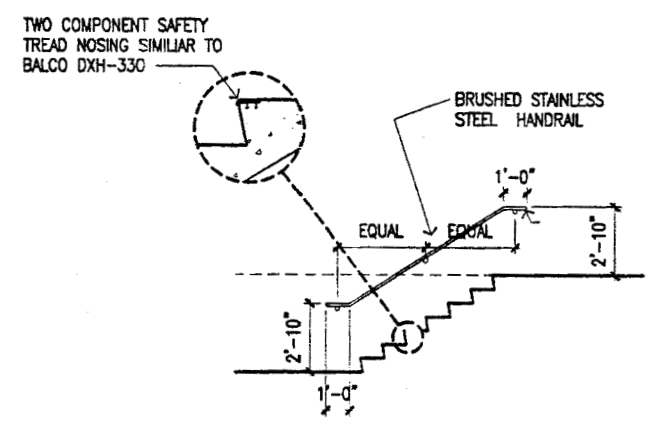
Revisions
 PAINT COLORS
CONFORMED DRAWINGS
 Date 09/01/98
 Draw PMD
 Checkd RRR
 Job No. 95023
 Sheet No.
IA5.6
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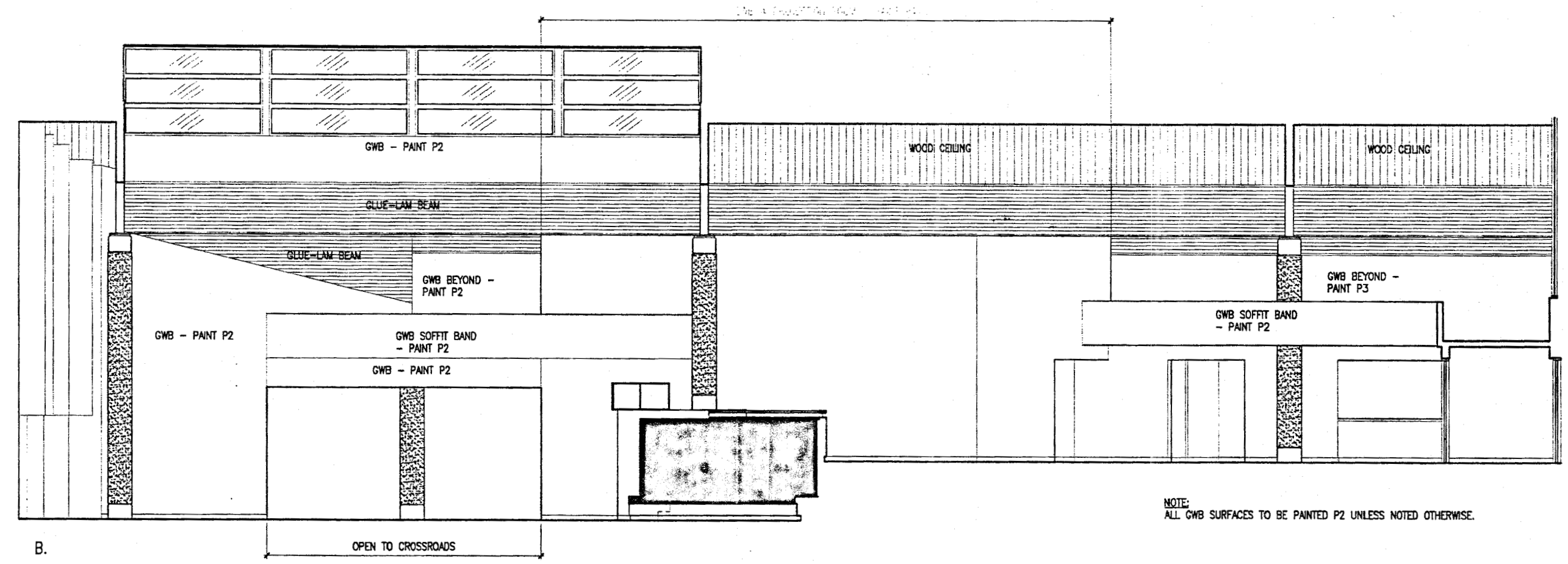
4 Handrail Elevations
 SCALE: 1/4"=1'-0"



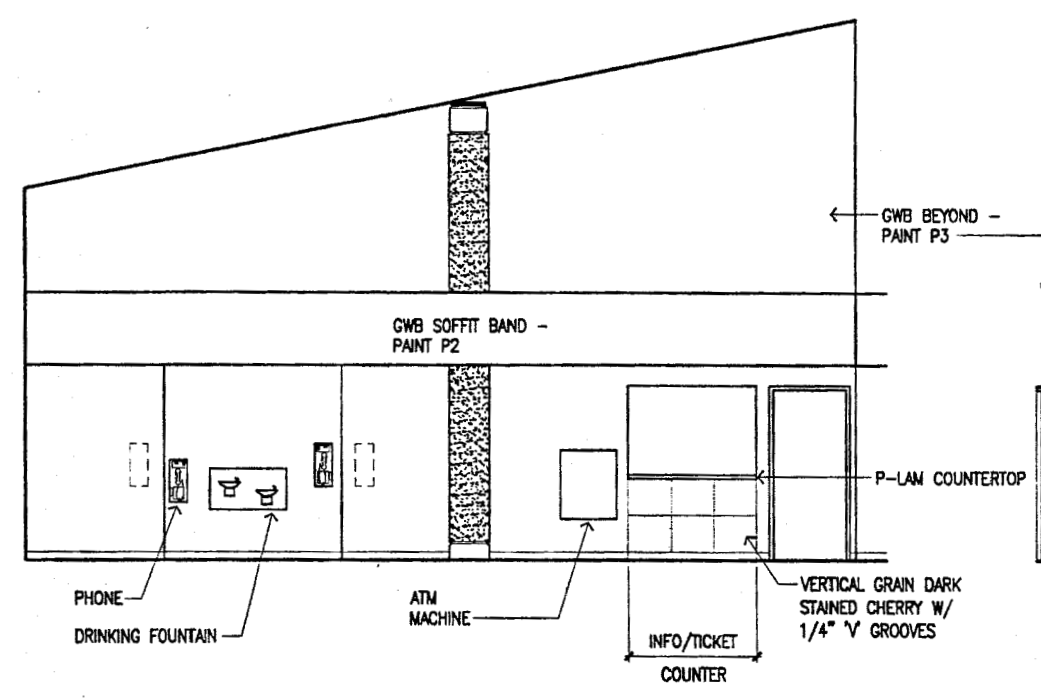
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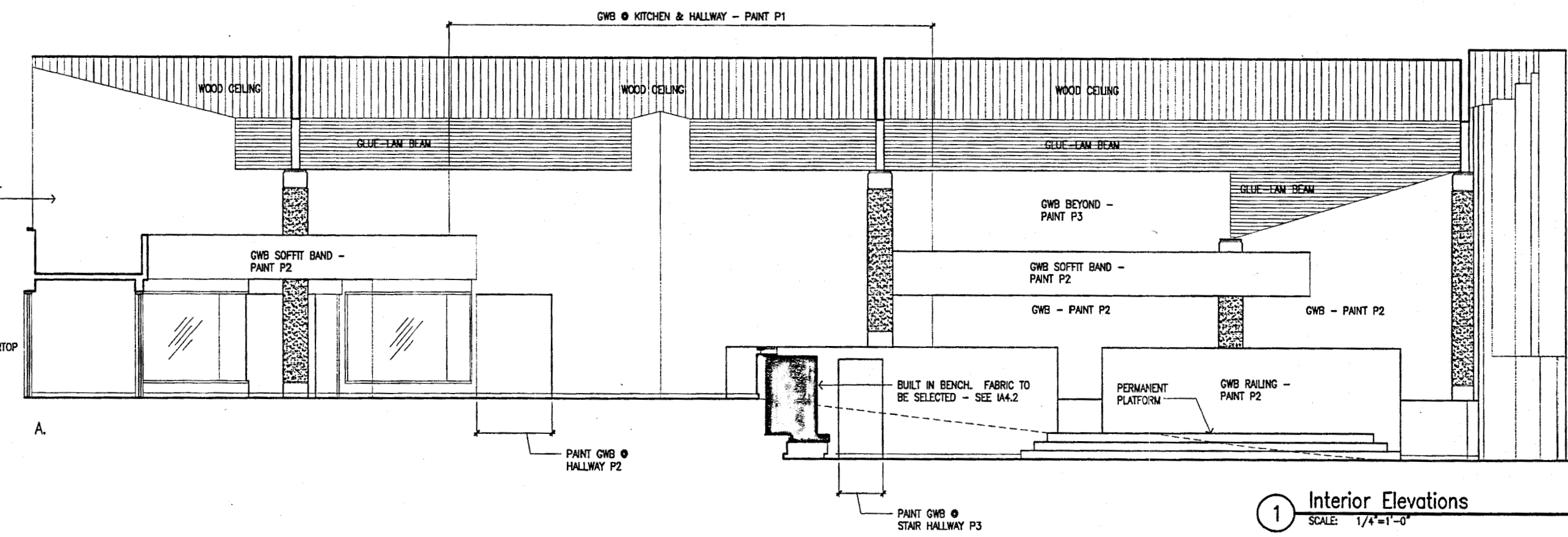
3 Handrail Elevation
 SCALE: 1/4"=1'-0"



NOTE:
 ALL GWB SURFACES TO BE PAINTED P2 UNLESS NOTED OTHERWISE.



2 Interior Elevation
 SCALE: 1/4"=1'-0"



1 Interior Elevations
 SCALE: 1/4"=1'-0"



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 DECK PLAN AND DETAILS

Revisions
 SHEET ENTIRELY REVISED

CONFORMED DRAWINGS

Date 09/01/98
 Drawn PND
 Checked RRR
 Job No. 95023

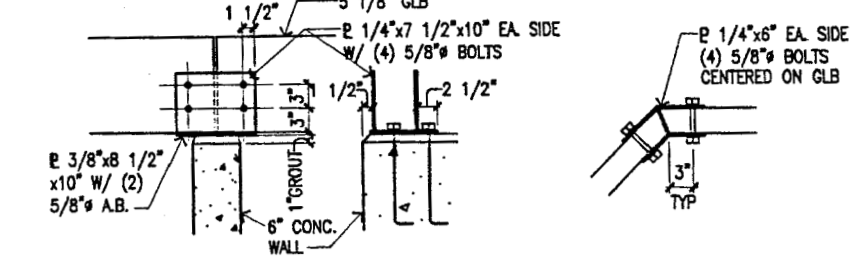
Sheet No. IA5.8
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EXPLANATION NOTES:

1. BOTTOM OF ALL FOOTINGS AT ELEVATION 61'-0" UNLESS OTHERWISE NOTED.
2. REINFORCE 10"x12" STRIP FOOTING WITH (2) #5 BARS.
3. REINFORCE 20"x20" PIERS WITH (4) #7 VERTICAL BARS AND #3 TIES @ 12" ON CENTER. PROVIDE (2) #3 TIES @ 12" @ TOP OF PIERS.
4. DIMENSIONS BETWEEN PIERS ARE REQUIRED AS SUPPORT POINTS FOR TENT SYSTEM INDICATED ON 1/5K1.3. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONS IF SYSTEM SUBSTITUTED.
5. BEAR W/ POST ON PERFORATING EDGE OF STRIP FOOTING WITH LONG DIMENSION OF POST PARALLEL TO THE WALL. BOOT POST TO FOUNDATION WALL WITH (2) 5/8" DIAMETER CONCRETE EXPANSION ANCHORS. LOCKE TOP ANCHOR @ BELOW TOP OF FOUNDATION WALL AND LOWER ANCHOR @ ABOVE TOP OF STRIP FOOTING. FASTEN GLB TO THE POST WITH SIMPSON ECCS 1/4"-6 COLUMN CAP.
6. PROVIDE A #12 POST AS DESCRIBED IN NOTE 5 ABOVE. FASTEN GLB TO POST WITH (4) 1/4" TIE-WALLS, (2) EACH SIDE OF GLB.

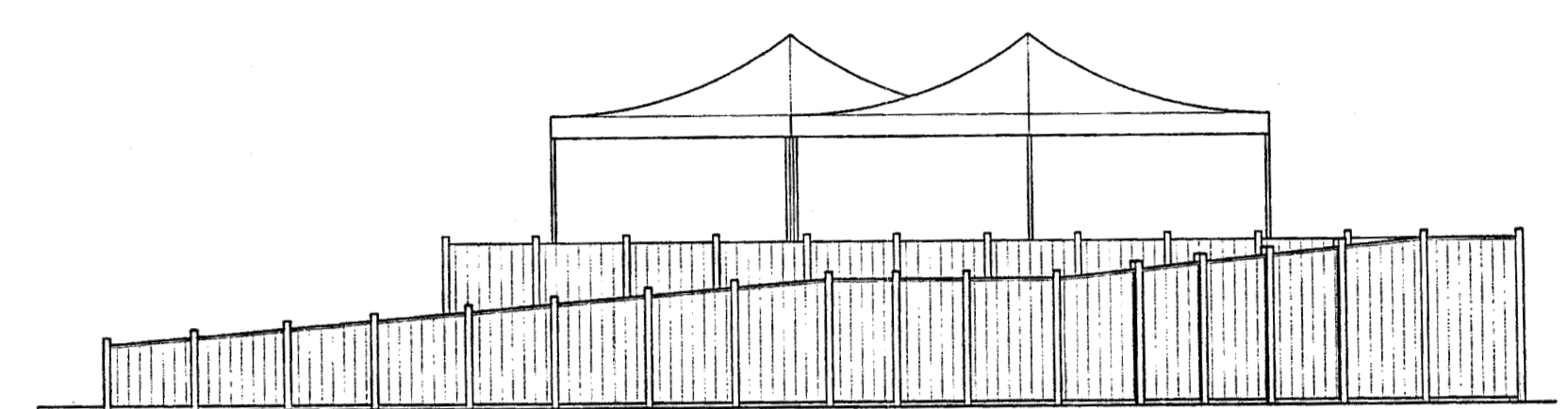
FRAME NOTES:

1. ALL WOOD SHALL BE PRESSURE TREATED UNLESS OTHERWISE NOTED.
2. ALL CONNECTION HARDWARE SHALL BE HOT-DIP GALVANIZED STEEL.

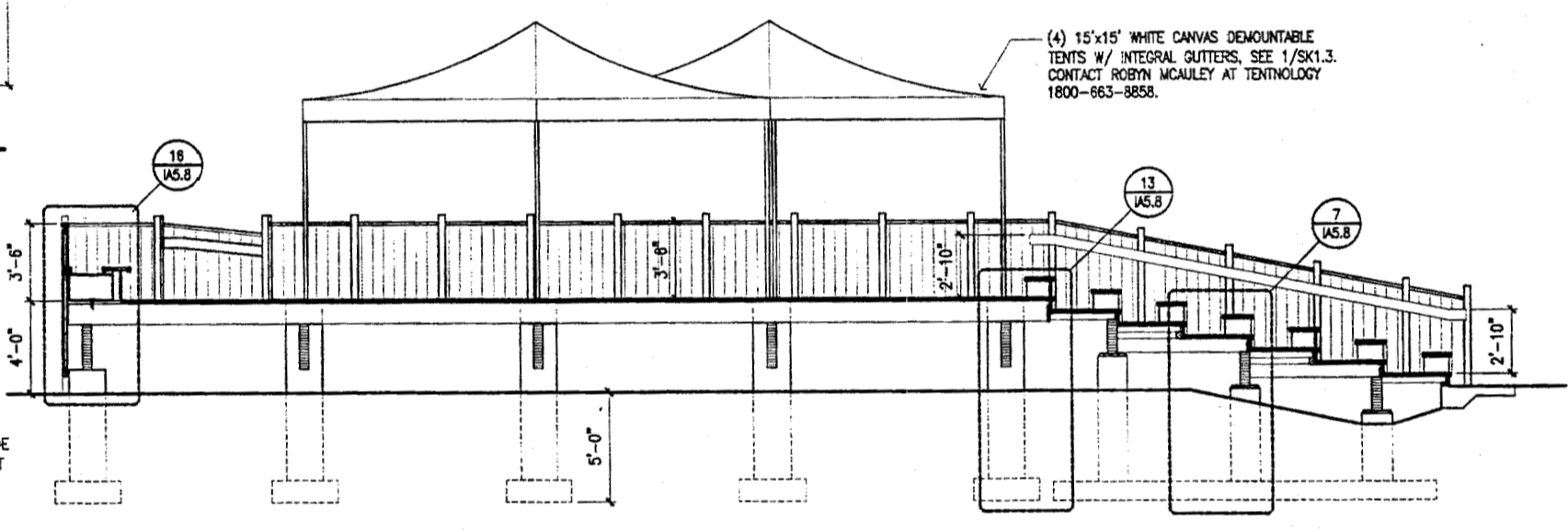


6 Detail @ Ramp
 SCALE: 1" = 1'-0"

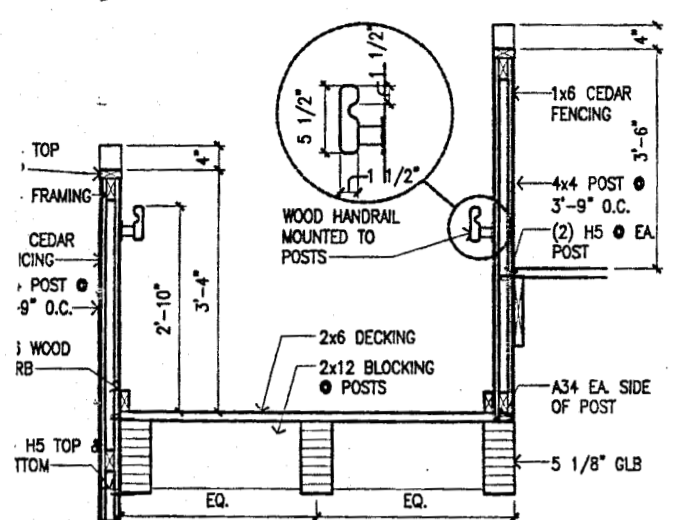
4 Detail @ Ramp
 SCALE: 1" = 1'-0"



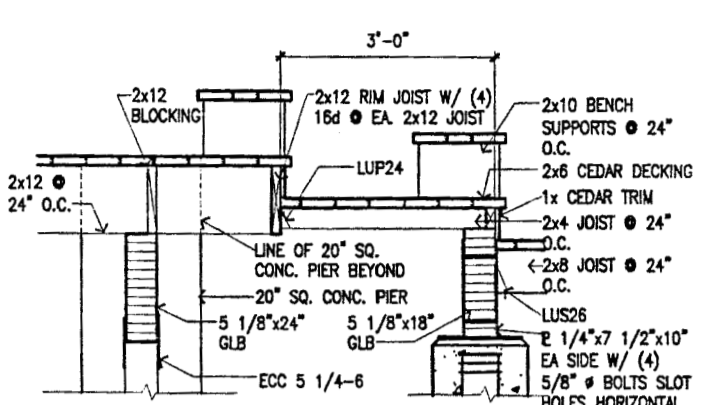
3 Elevation
 SCALE: 1/4" = 1'-0"



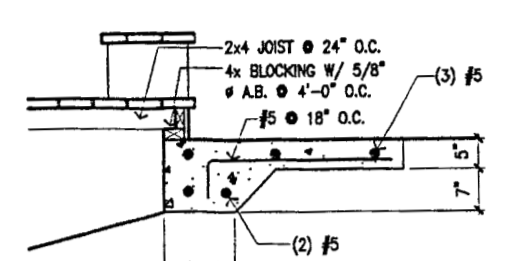
2 Section
 SCALE: 1/4" = 1'-0"



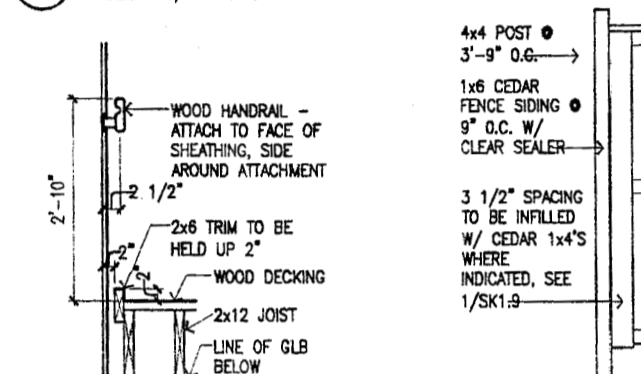
17 Section @ Ramp
 SCALE: 3/4" = 1'-0"



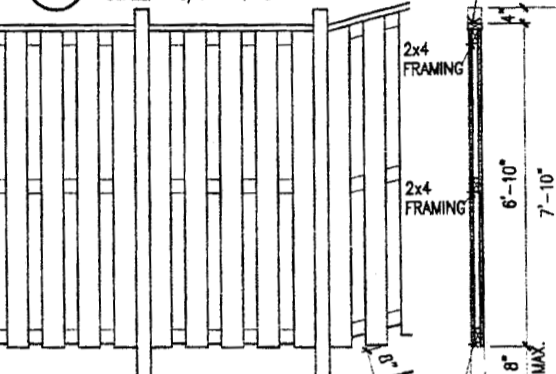
13 Detail @ Conc. Wall
 SCALE: 3/4" = 1'-0"



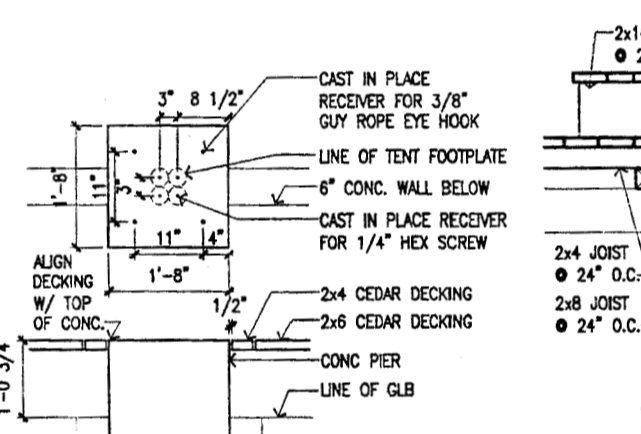
9 Detail @ Conc. Pad
 SCALE: 3/4" = 1'-0"



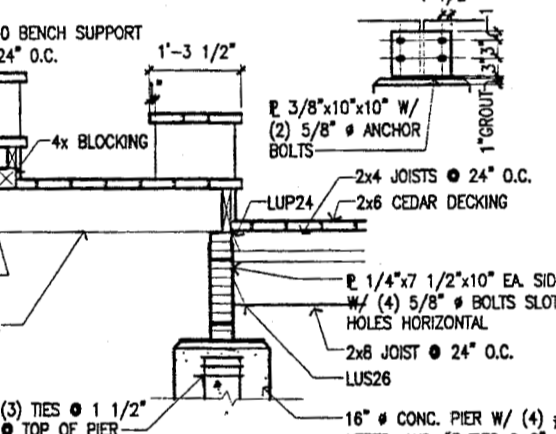
12 Typical Curb Detail
 SCALE: 3/4" = 1'-0"



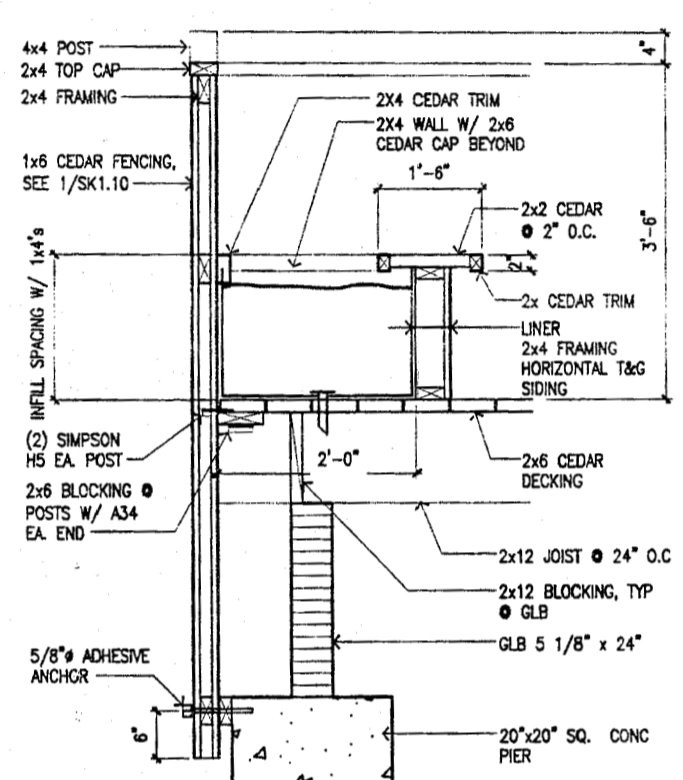
8 Fence/Rail Detail
 SCALE: 1/2" = 1'-0"



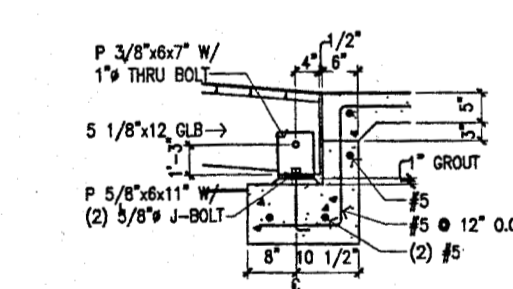
11 Tent Pole Foot Pad
 SCALE: 3/4" = 1'-0"



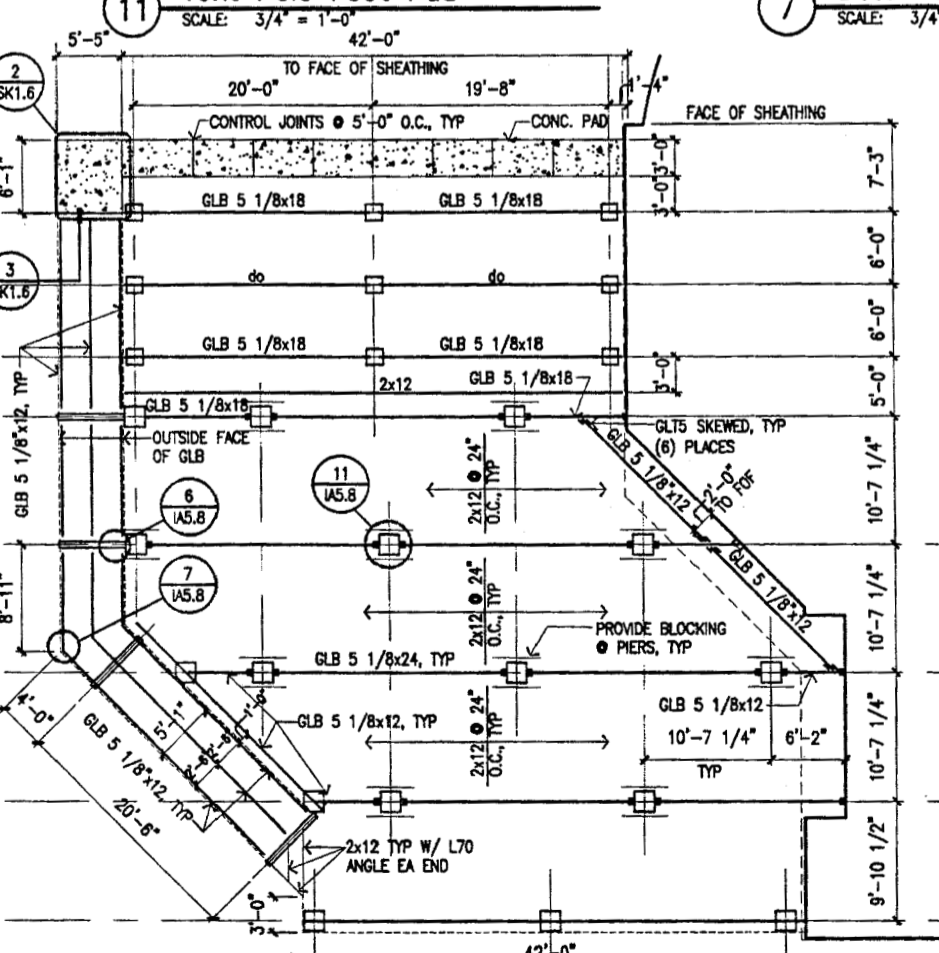
7 Detail @ Conc. Pier
 SCALE: 3/4" = 1'-0"



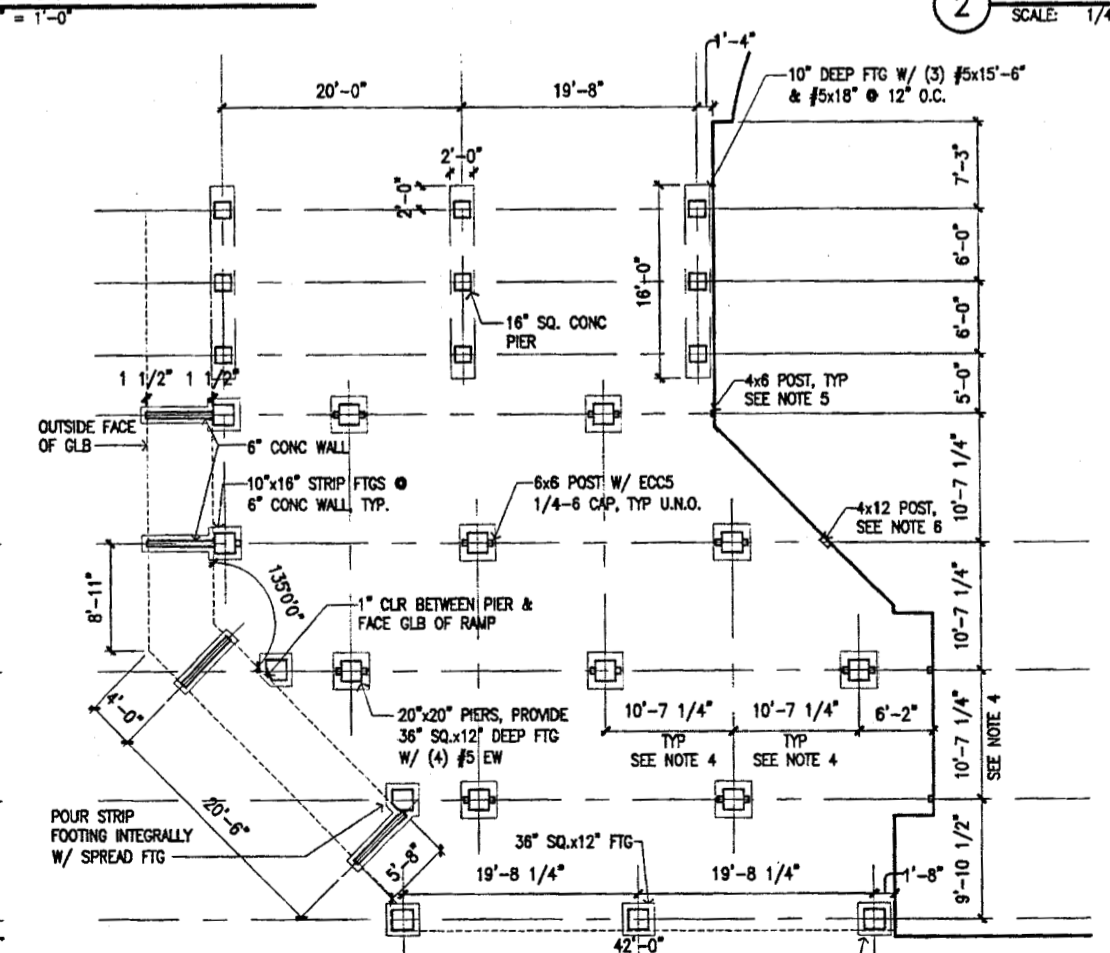
16 Section @ Planter Bench
 SCALE: 1" = 1'-0"



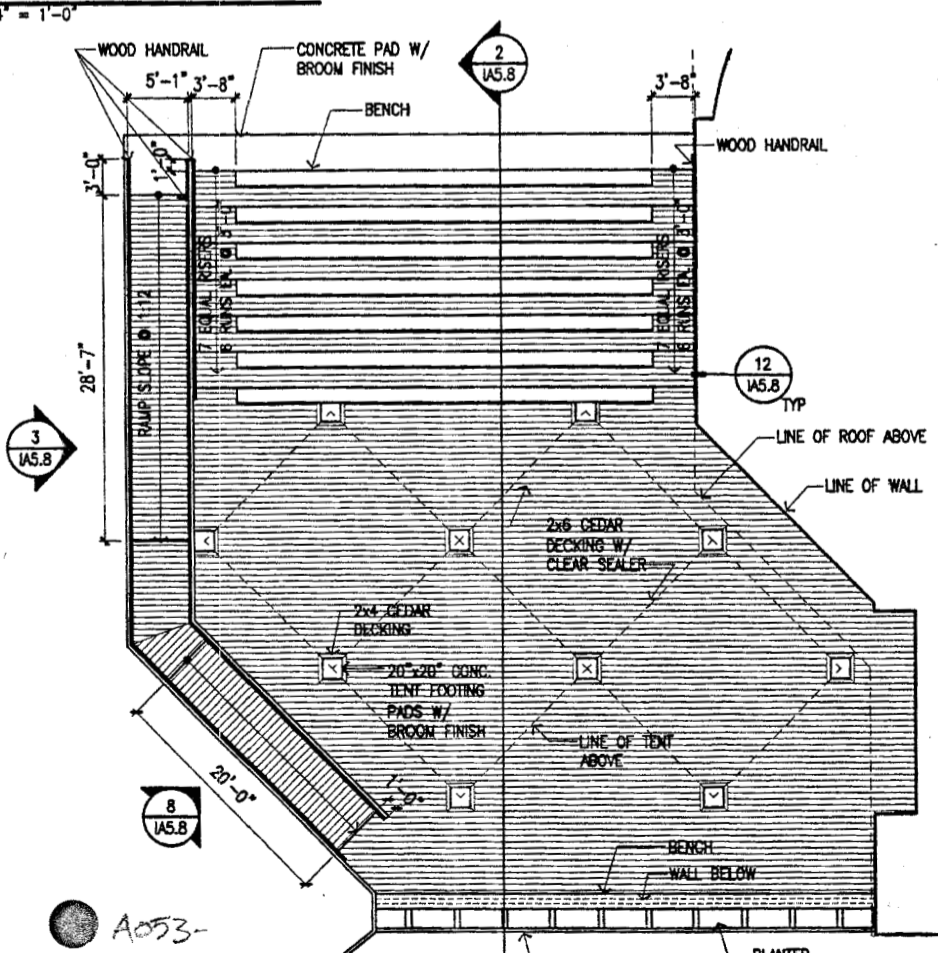
15 Section @ Ramp Base
 SCALE: 3/4" = 1'-0"



10 Deck Framing Plan
 SCALE: 1/8" = 1'-0"



5 Deck Foundation Plan
 SCALE: 1/8" = 1'-0"



1 Plan
 SCALE: 1/8" = 1'-0"

C105



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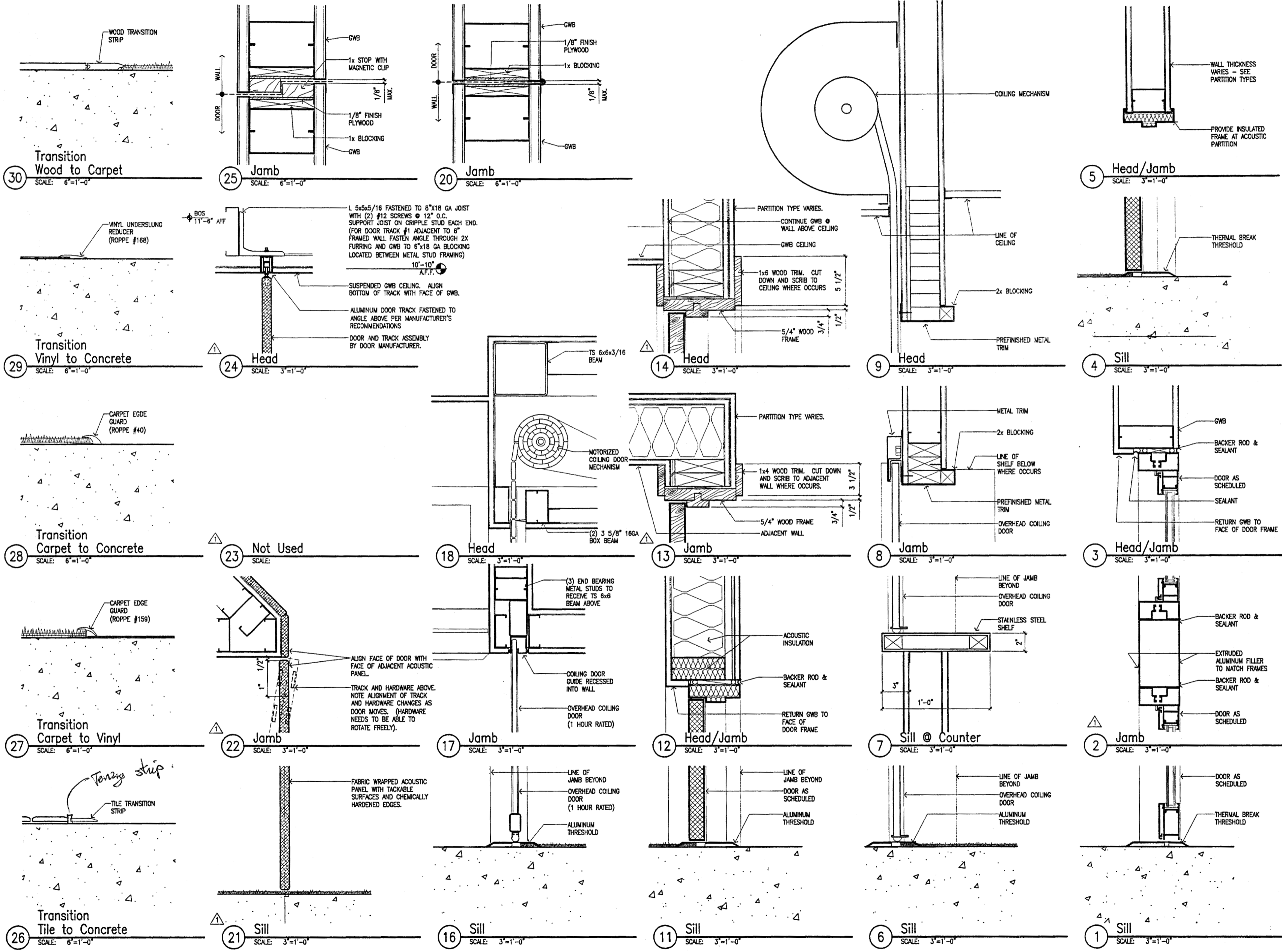
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 OPENING DETAILS

Revisions
 △ DETAILS 2.13.14, 22.23.24 REVISED

CONFORMED DRAWINGS

Date 09/01/98
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 Checkd RRR
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 OPENING DETAILS

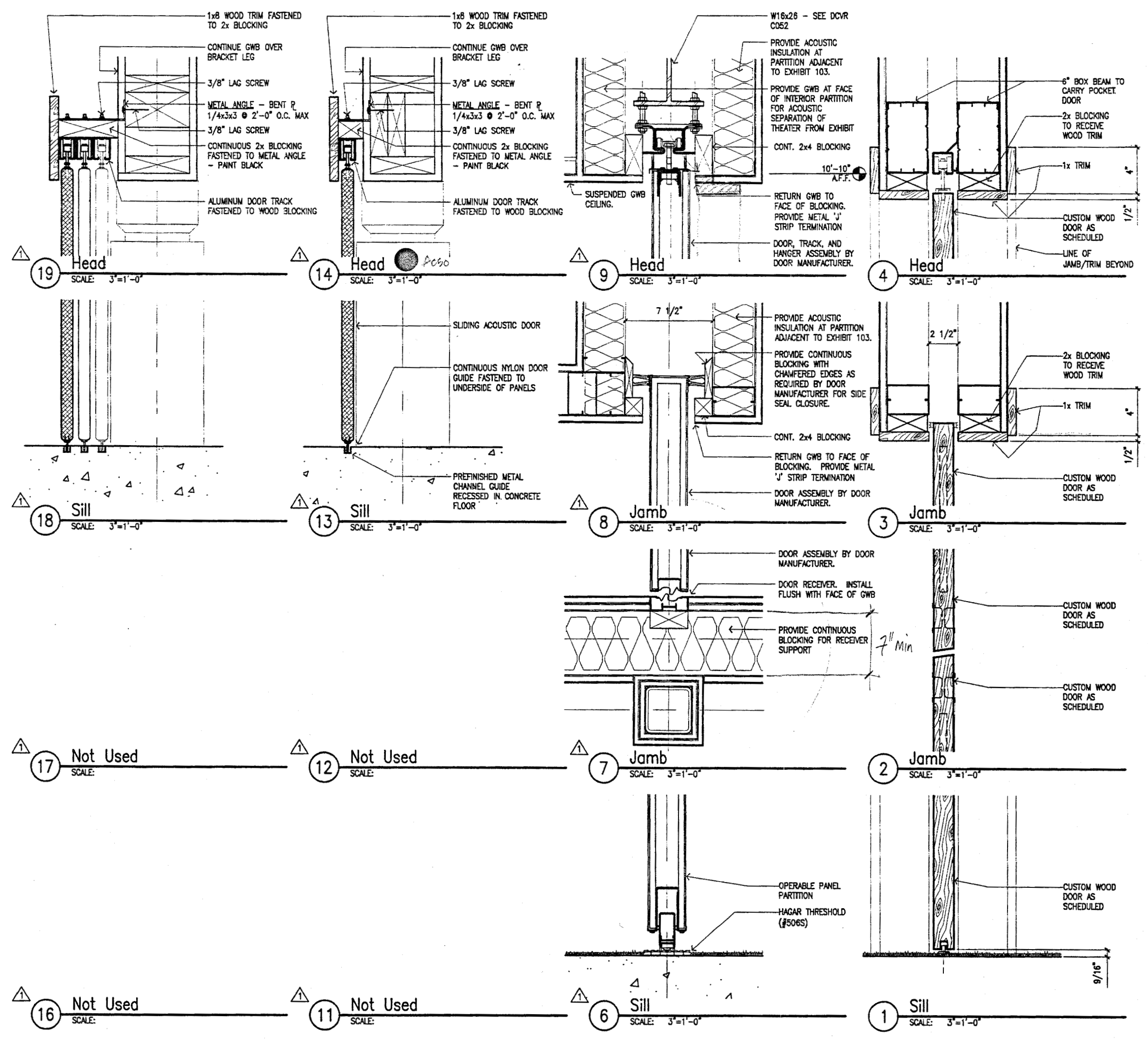
Revisions
 DETAILS 6-9,
 11-14, 16-19
 REVISED

CONFORMED DRAWINGS

Date 06/01/98
 Drawn FWP
 Checked RRR
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*2x oak trim
 1/2" ON 3 SIDES.
 2/19/98 EJA.*





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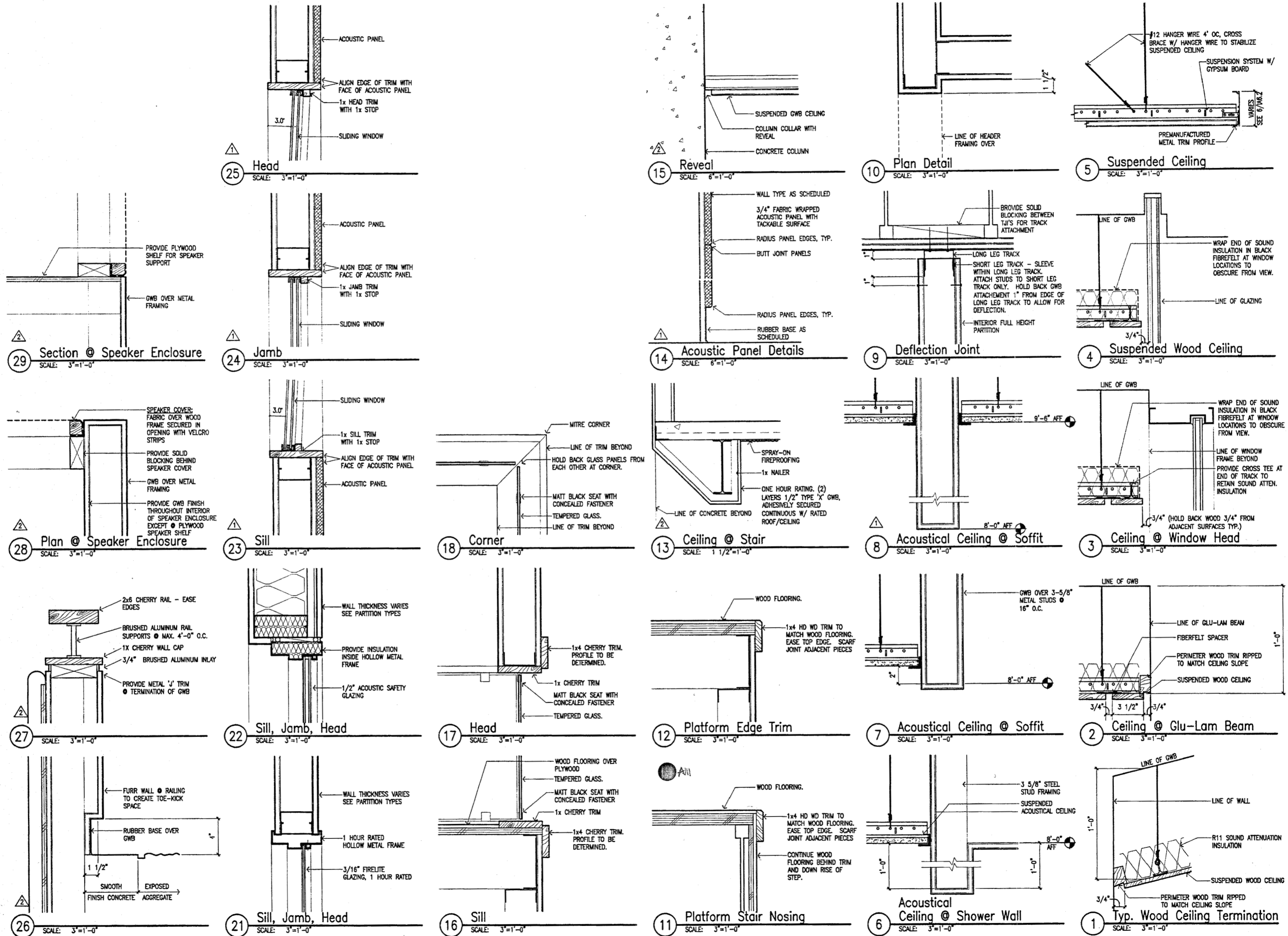
ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 INTERIOR DETAILS

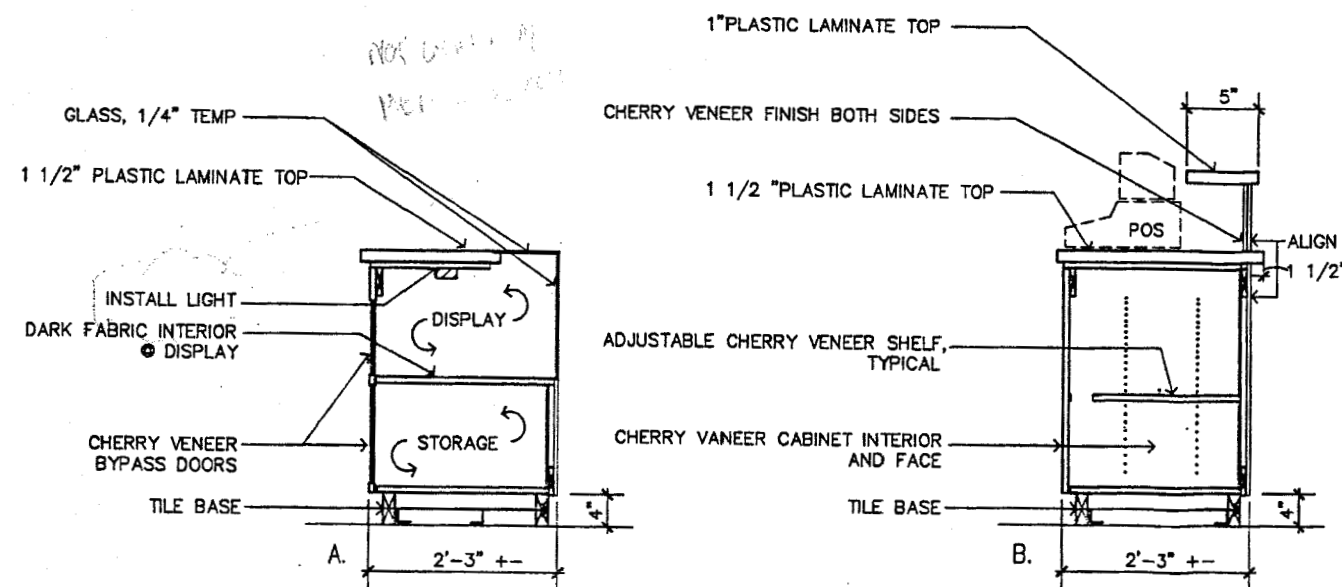
Revisions
 25 REVISED
 29 ADDED

CONFORMED DRAWINGS

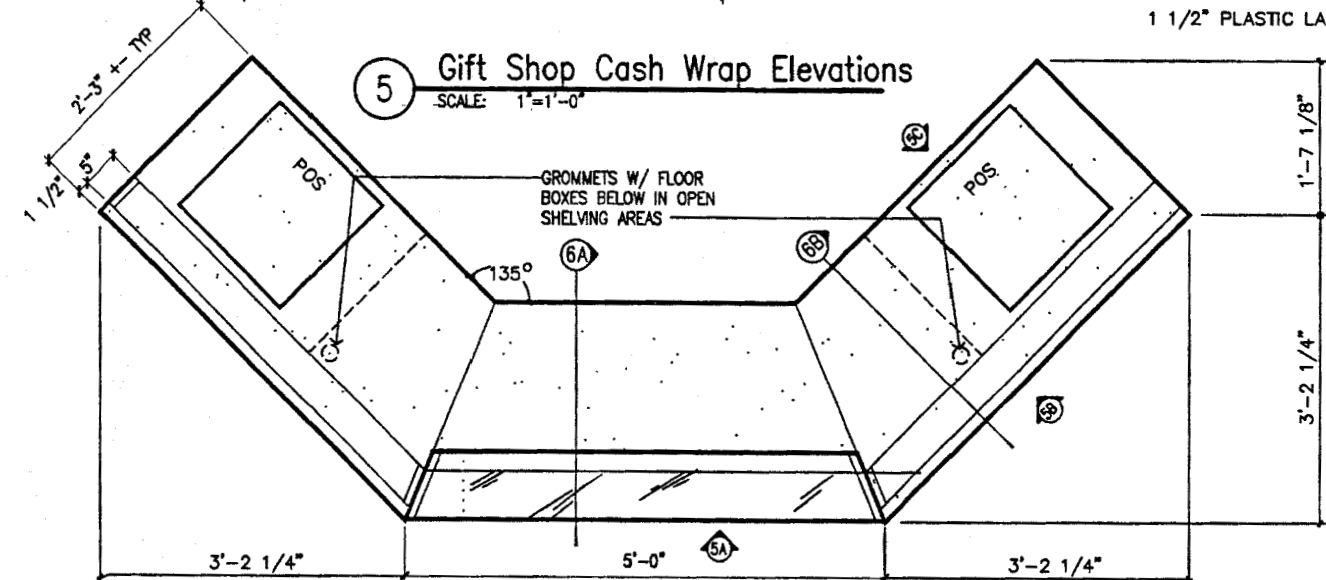
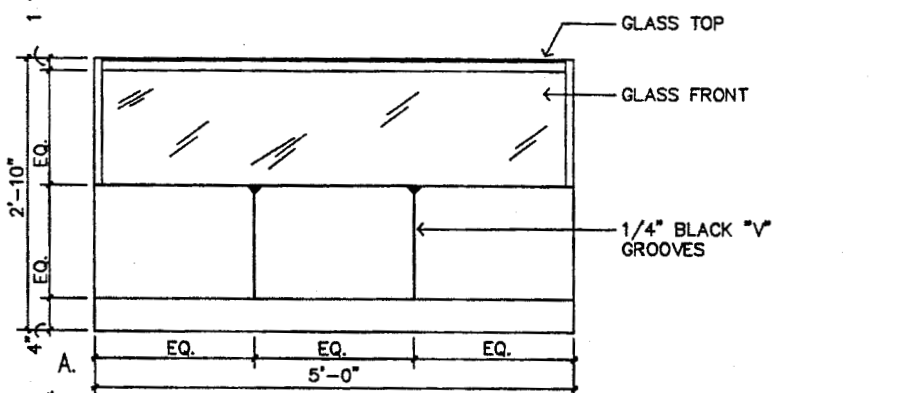
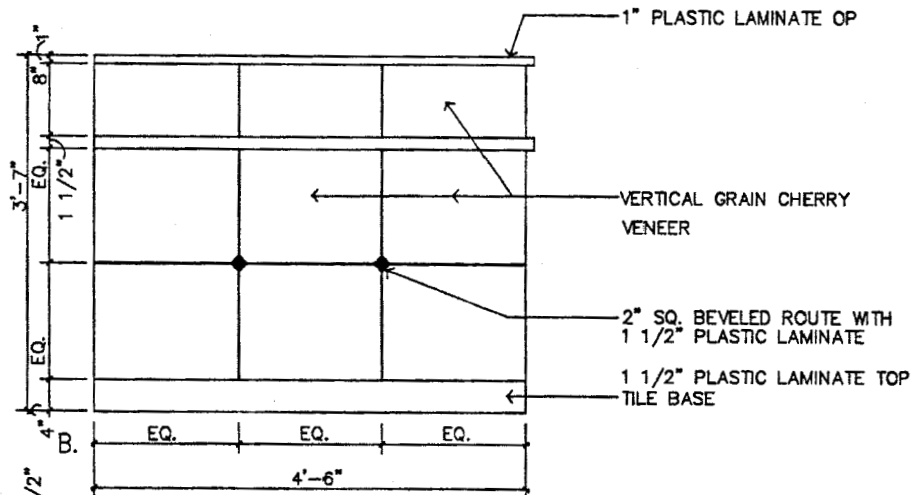
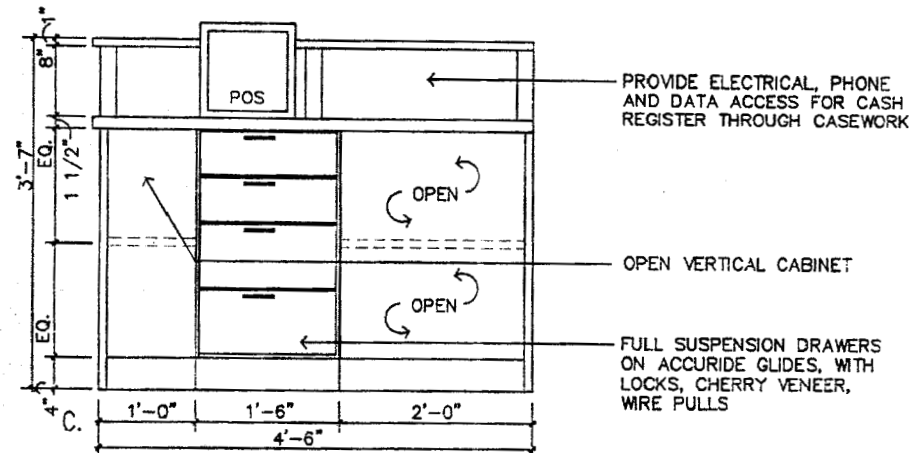
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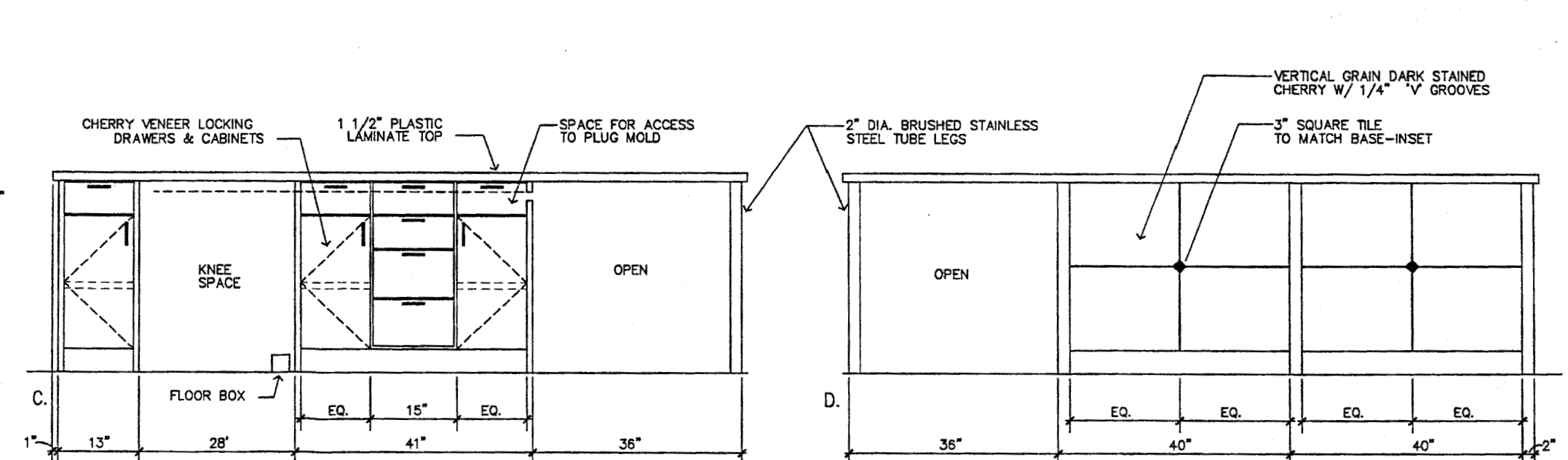


6 Gift Shop Cash Wrap Sections
SCALE: 1"=1'-0"

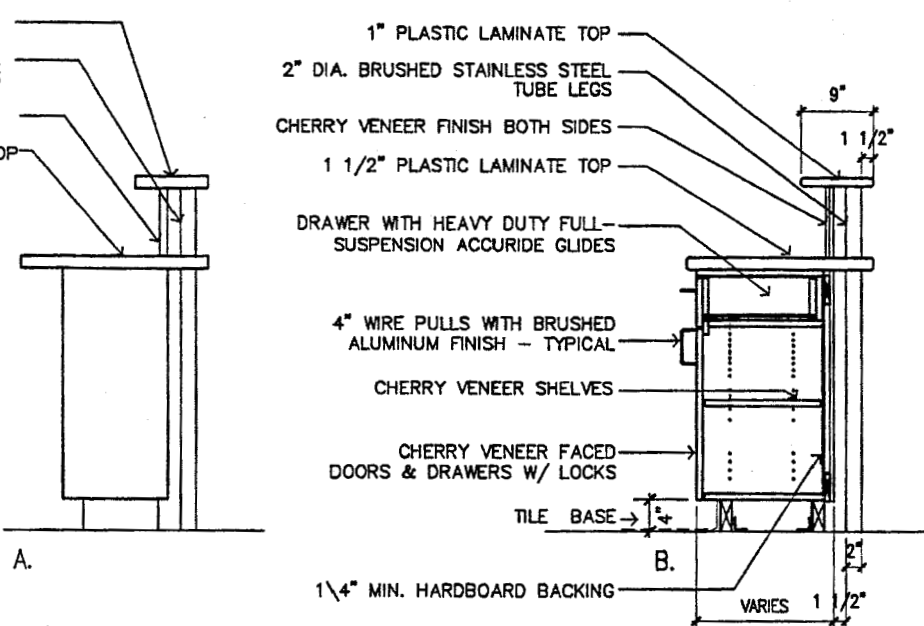
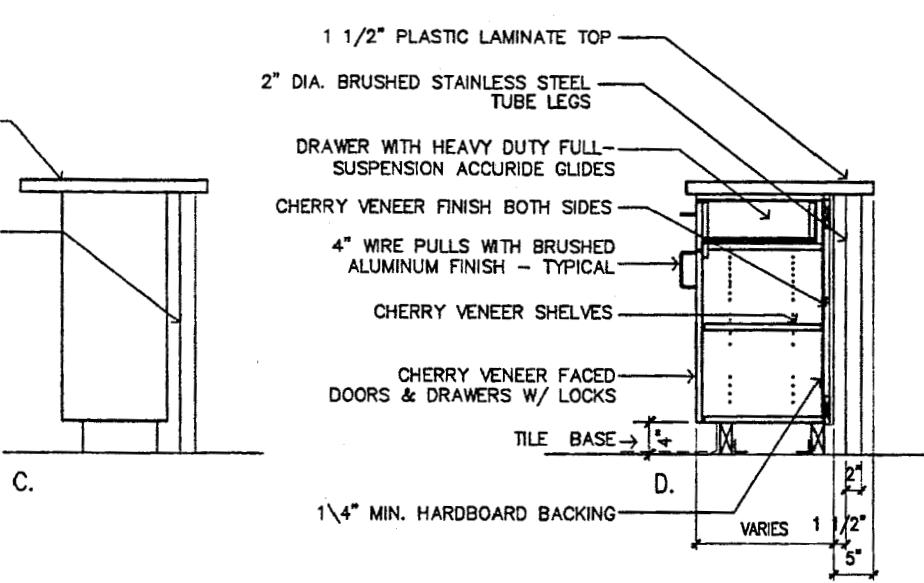
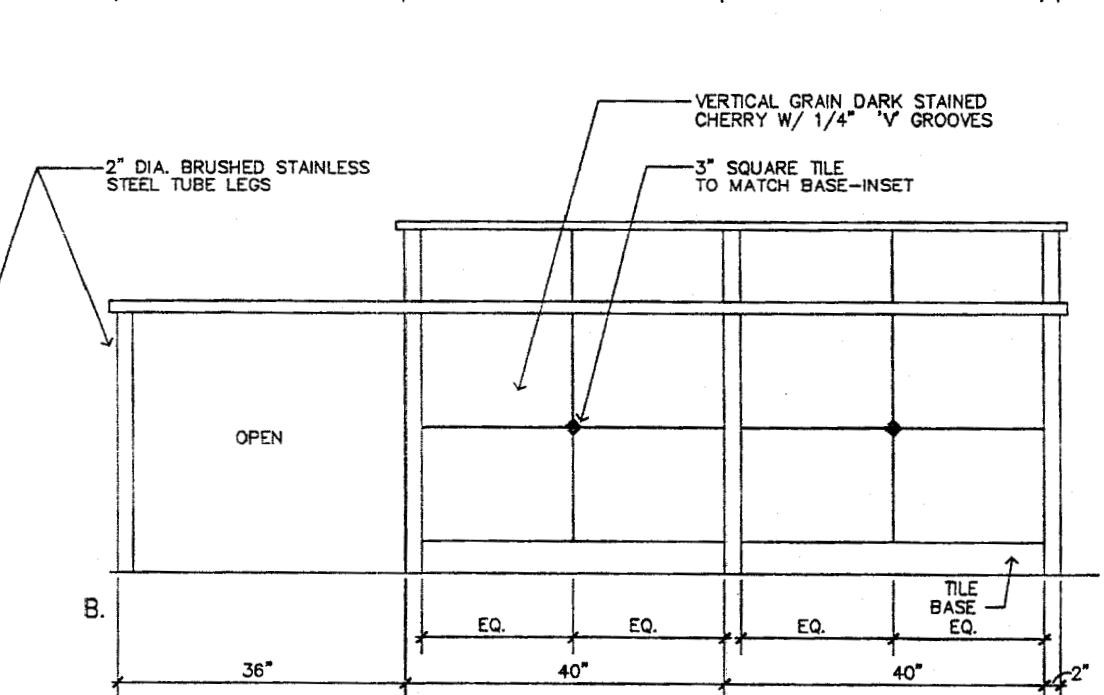
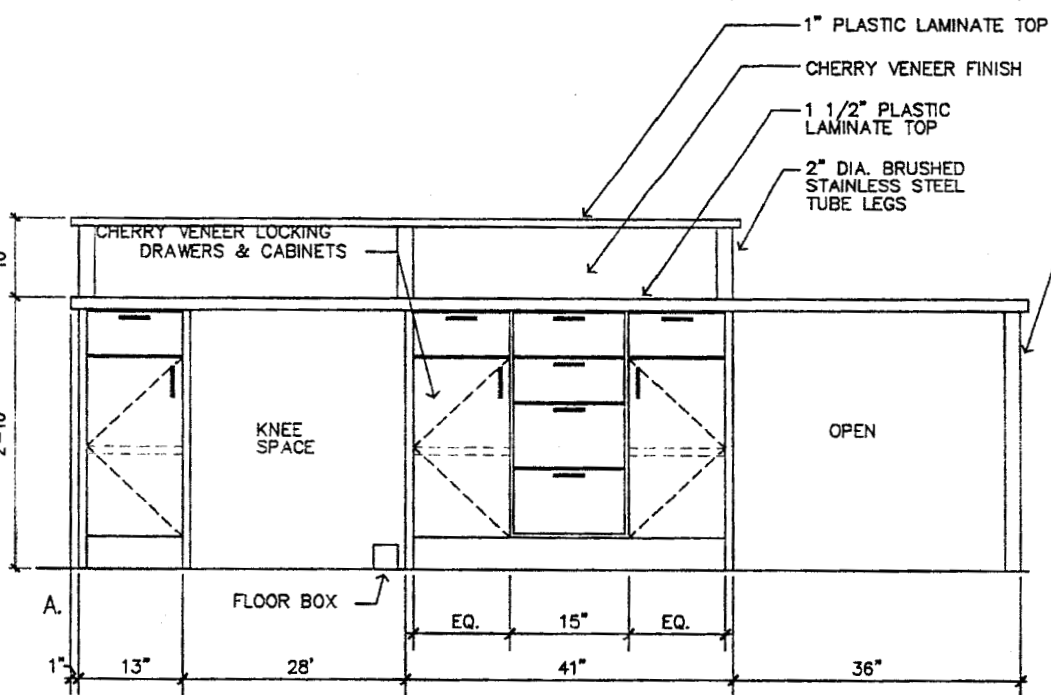


5 Gift Shop Cash Wrap Elevations
SCALE: 1"=1'-0"

4 Gift Shop Cash Wrap Plan
SCALE: 1"=1'-0"

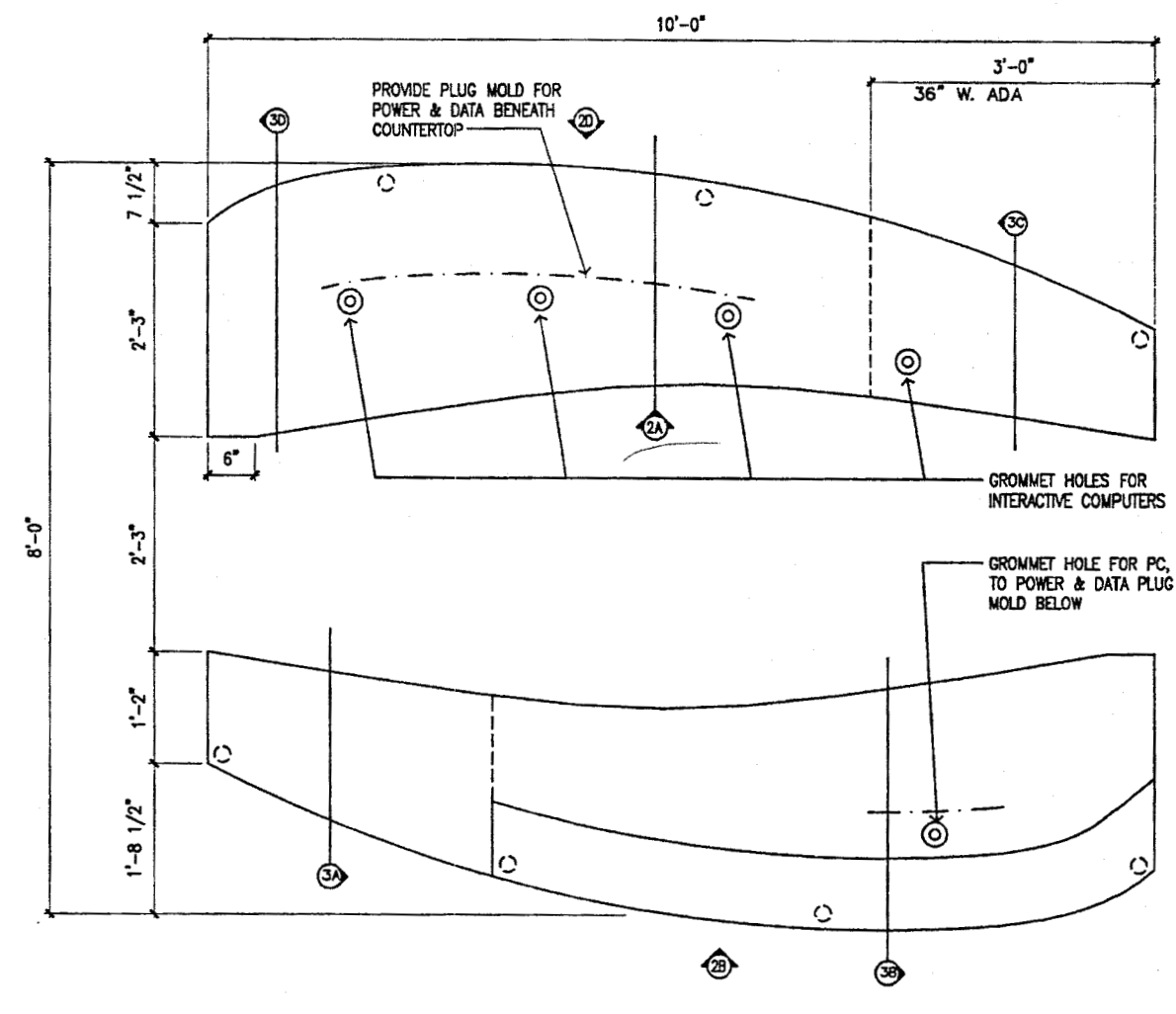


2 Information Desk Elevations
SCALE: 1"=1'-0"



NOTE: AT ALL CASEWORK, SPACE STUDS @ 12" O.C. AND PROVIDE CONTINUOUS 4" WIDE x 16 GA. SHEET METAL BLOCKING. LOCATE @ 1x4 FIRE RETARDANT WOOD NAILER - TYPICAL

3 Information Desk Sections
SCALE: 1"=1'-0"



1 Information Desk Plan
SCALE: 1"=1'-0"



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA
CASEWORK DETAILS

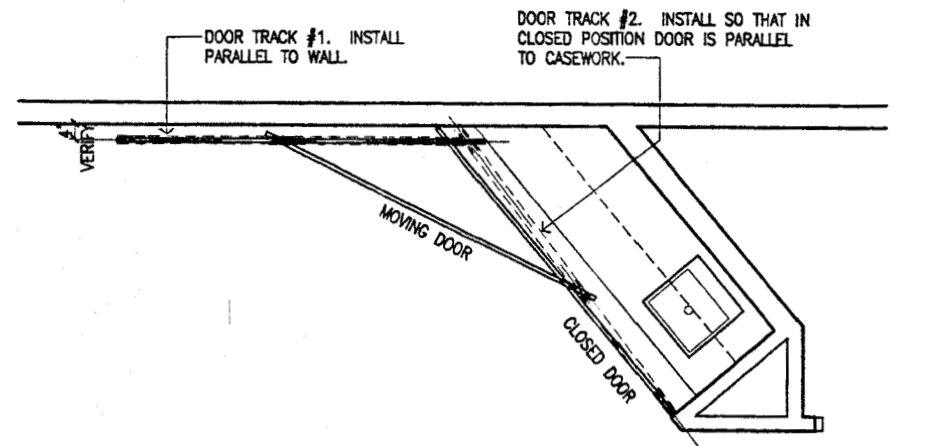
Revisions
SHEET REVISED IN ENTIRETY

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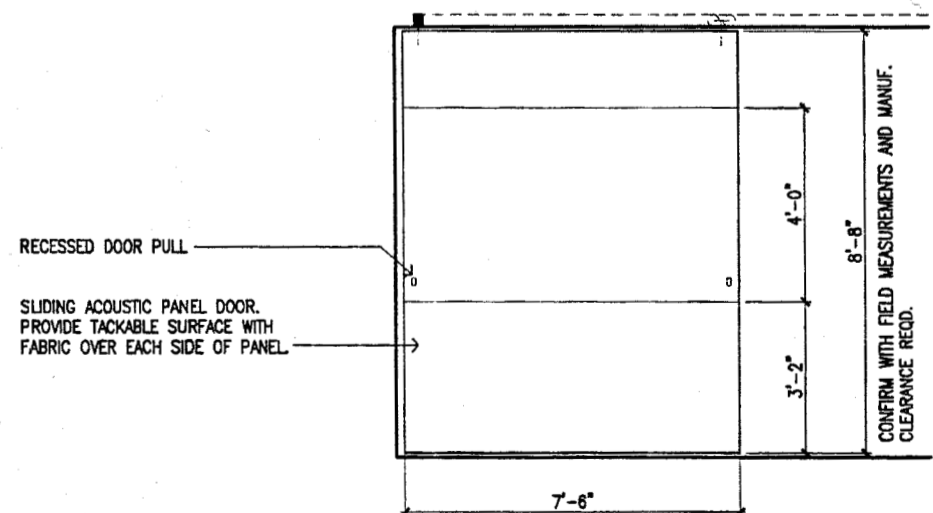
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OC121



9 Door Plan 158D
SCALE: 1/2"=1'-0"

8 Not Used
SCALE:



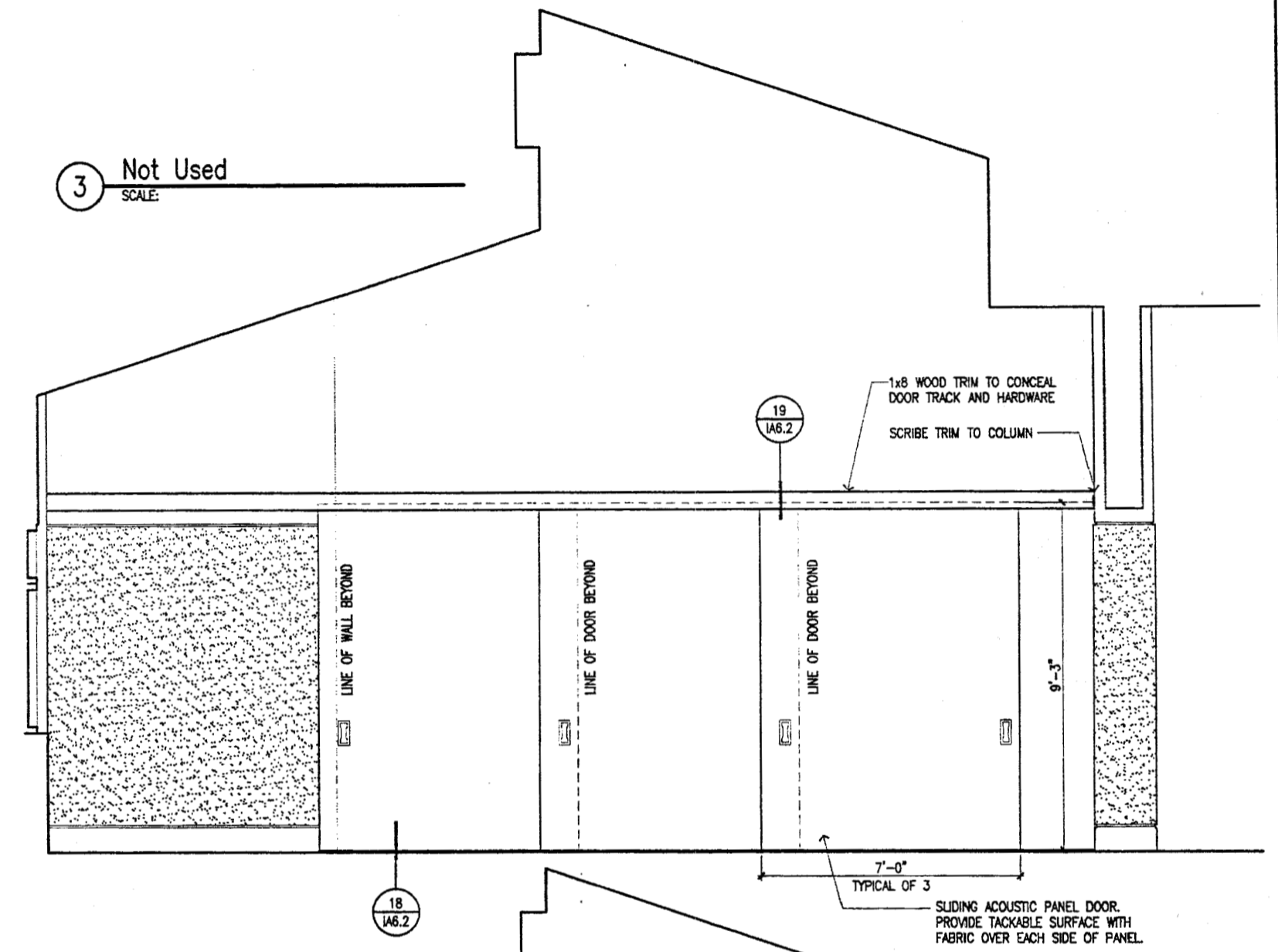
7 Door 158D
SCALE: 1/2"=1'-0"

6 Not Used
SCALE:

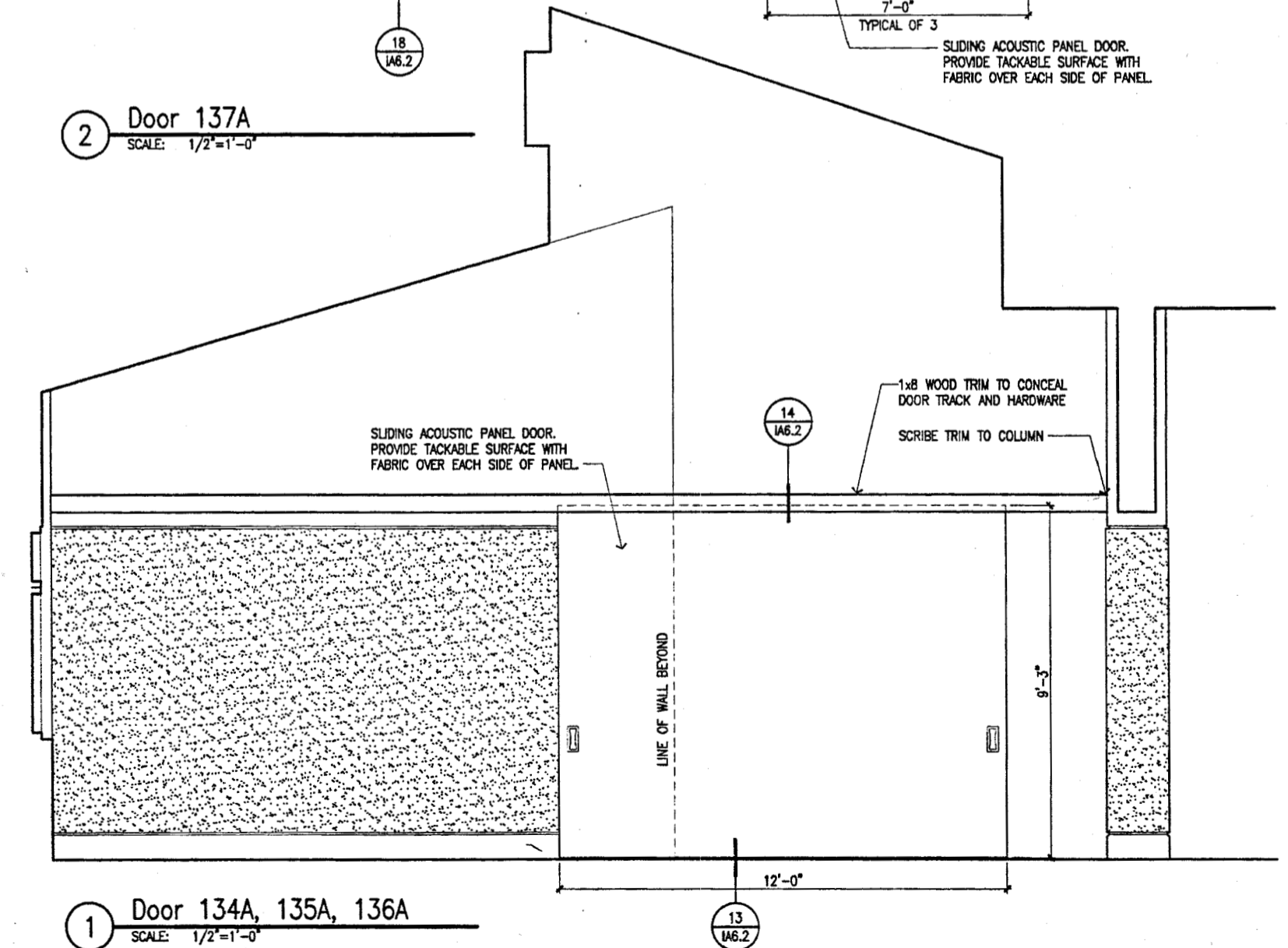
5 Not Used
SCALE:

4 Not Used
SCALE:

3 Not Used
SCALE:



2 Door 137A
SCALE: 1/2"=1'-0"



1 Door 134A, 135A, 136A
SCALE: 1/2"=1'-0"



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA
CUSTOM SLIDING DOORS

Revisions
SHEET REVISED IN ENTIRETY

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANCHORAGE, ALASKA
 MAINTENANCE BUILDING & PUMP HOUSE

Revisions
 PUMPHOUSE SLAB CONSTRUCTION

CONFORMED DRAWINGS

Date 09/01/98
 Draw FWP
 Checked RRR
 Job No. 95023

Sheet No.
 IA7.1
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Code Analysis - Maintenance Building

THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1994 UNIFORM BUILDING CODE AND UNIFORM FIRE CODE AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE AND THE STATE OF ALASKA. ACCESSIBILITY FOR THE DISABLED HAS BEEN PROVIDED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES FOR BUILDINGS AND FACILITIES.

OCCUPANCY CLASSIFICATION
 SHOP S3
 STORAGE S2

CONSTRUCTION TYPE: TYPE V-N

ALLOWABLE BUILDING AREA:
 BASIC ALLOWABLE: 8,000 SF
 SEPARATION ON FOUR SIDES: 8,000 SF
 TOTAL ALLOWABLE: 16,000 SF

ACTUAL BUILDING AREA:
 TOTAL AREA: 895 SF

ALLOWABLE BUILDING HEIGHT: TWO STORIES
 ACTUAL HEIGHT: ONE STORY

OCCUPANT LOAD:

| FUNCTION | AREA (SF) | O.L.F. | OCCUPANT LOAD | EXITS REQ'D |
|----------|-----------|--------|---------------|-------------|
| SHOP | 720 | 200 | 4 | 1 |
| STORAGE | 175 | 300 | 1 | 1 |
| TOTAL | 895 | | 5 | |

PARKING REQUIREMENTS:
 IN TERMS OF THE MUNICIPAL CODE TITLE 21, SECTION 21.45.080 F, AND THE UBC THE PROPOSED USE FOR THE PURPOSES OF PARKING SPACE CALCULATION IS MOST SIMILAR TO A WAREHOUSE AND STORAGE BUILDING.

MINIMUM OFF STREET PARKING REQUIREMENTS FOR THESE USES ARE ONE PARKING SPACE FOR EVERY 1,000 S.F. OF GROSS BUILDING AREA.

PARKING SPACES REQUIRED: 1 SPACE
 PARKING PROVIDED: 1 SPACE

DESIGN CRITERIA:
 WIND SPEED: 100 MPH
 WIND EXPOSURE: B
 SEISMIC ZONE: 4
 ROOF CLASSIFICATION: CLASS B ROOFING

Sheet Notes:

- ALL DOORS AND WINDOWS ARE 3" FROM FACE OF STUD AT ADJACENT PERPENDICULAR WALL TO EDGE OF JAMB UNLESS NOTED OTHERWISE.
- ALL GYPSUM BOARD SURFACES TO BE PRIMED AND PAINTED.
- UNLESS OTHERWISE NOTED, THE GENERAL STRUCTURAL NOTES ON S-0.1 OF THE ALASKA NATIVE HERITAGE CENTER, PHASE II, SHALL APPLY.

ROOF SHEATHING:
 PROVIDE 5/8" CD INT-APA WITH EXTERIOR GLUE, SPAN RATING 32/16 OR 24/0. NAIL SHEATHING TO ROOF JOISTS AT SUPPORTED EDGES WITH 8d @ 6" O.C. SPACE NAILS 12 INCHES ON CENTER ALONG INTERMEDIATE FRAMING MEMBERS. BLOCKING IS NOT REQUIRED.

WALL SHEATHING:
 PROVIDE 1/2" CD INT-APA WITH EXTERIOR GLUE, SPAN RATING 32/16 OR 24/0. NAIL SHEATHING AT ALL PANEL EDGES (2x BLOCKING REQUIRED AT UNSUPPORTED EDGES) WITH 8d @ 6" O.C. NAIL ALONG INTERMEDIATE FRAMING MEMBERS WITH 8d @ 12" O.C.

WALL FRAMING:
 UNLESS OTHERWISE NOTED, PROVIDE 2x6 STUDS AT 16" O.C.

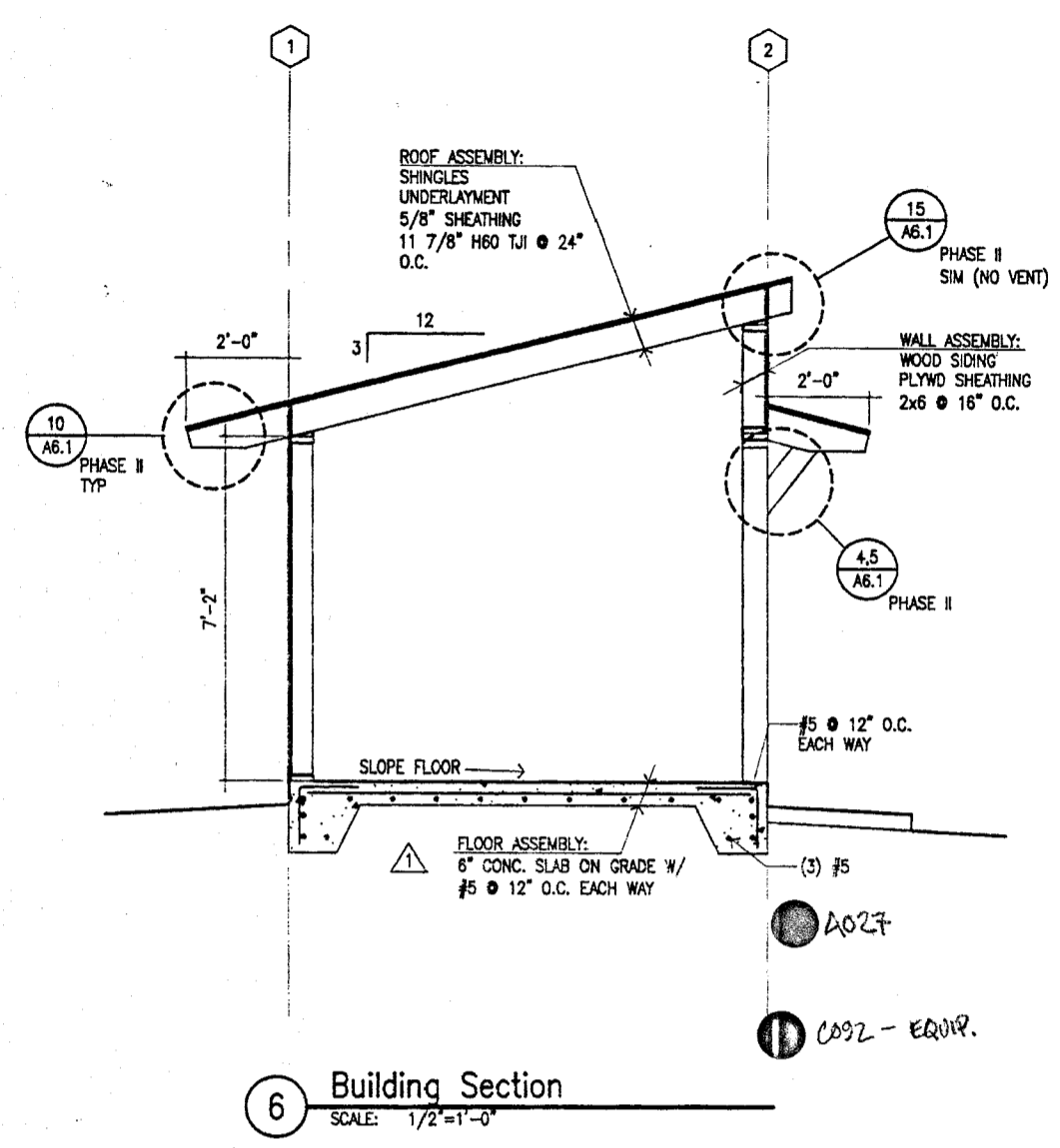
MAN DOORS: PROVIDE (2) 2x8 HEADERS OR (3) 2x6 HEADERS SUPPORTED ON ONE CRIPPLE STUD EACH END. PROVIDE (2) FULL HEIGHT JAM STUDS EACH END.

OVERHEAD DOORS: PROVIDE 6x12 HEADER SUPPORTED ON TWO CRIPPLE STUD EACH END. AT END DOORS, PROVIDE 4x6 JAMB STUD. BETWEEN OVERHEAD DOORS, PROVIDE 6x6 POST. 4x6 AND 6x6 POSTS TO TOP PLATES AND SILL PLATES WITH (2) SIMPSON A35 FRAMING ANCHORS EACH END.

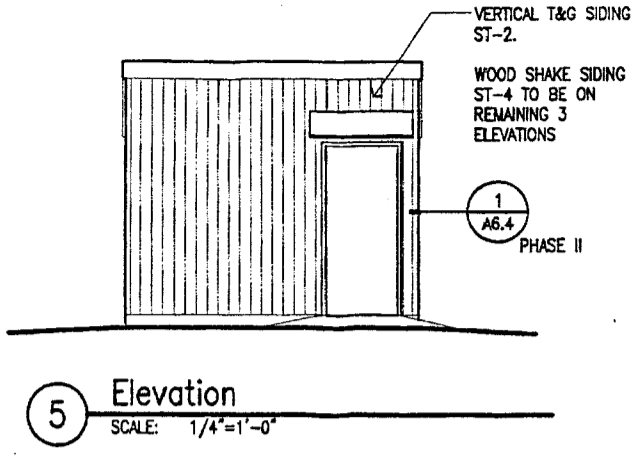
6 FT. WIDE CASEMENT WINDOW: PROVIDE 6x8 HEADER SUPPORTED ON (1) 2x6 CRIPPLE STUD WITH (1) 2x6 JAMB STUD EACH END.

FASTEN SILL PLATE TO FOUNDATION WITH 5/8" DIAMETER HOT DIP GALVANIZED A307 BOLTS @ 48" O.C.

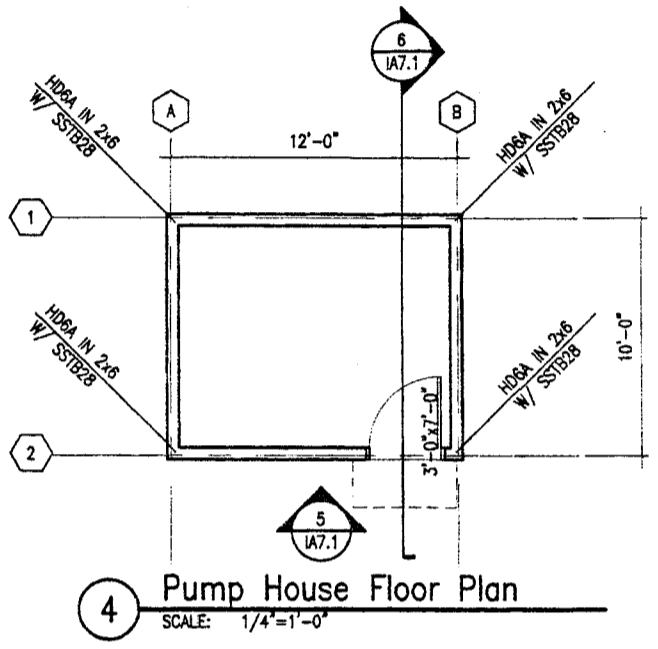
ALONG LONG WALLS, SPLICE TOP PLATE WITH (8) 16d NAILS EACH SIDE OF SPLICE.



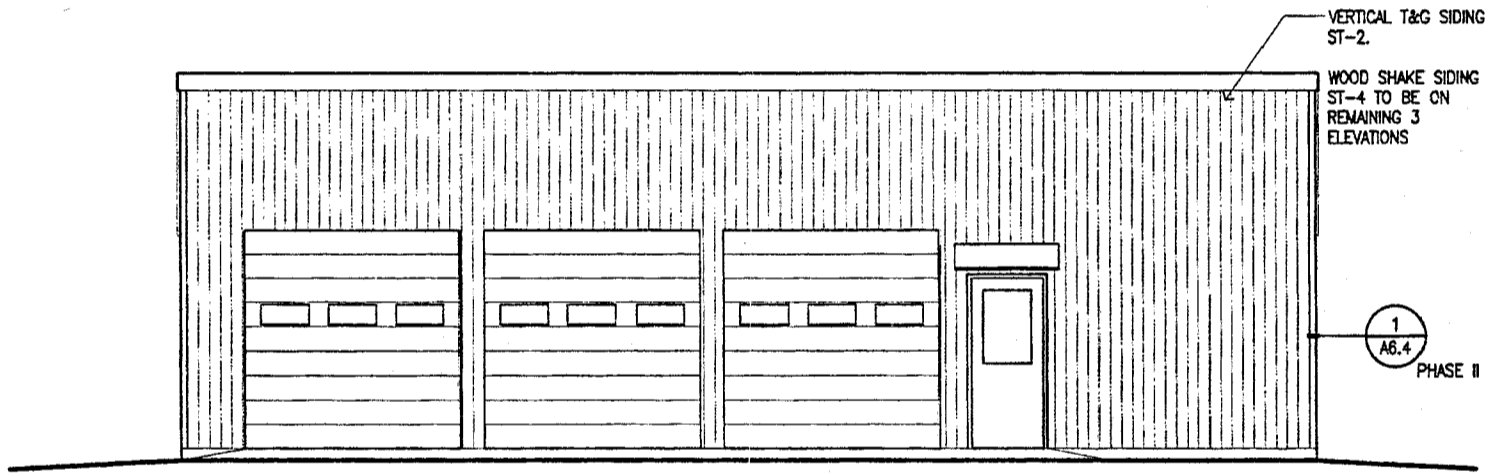
6 Building Section
 SCALE: 1/2"=1'-0"



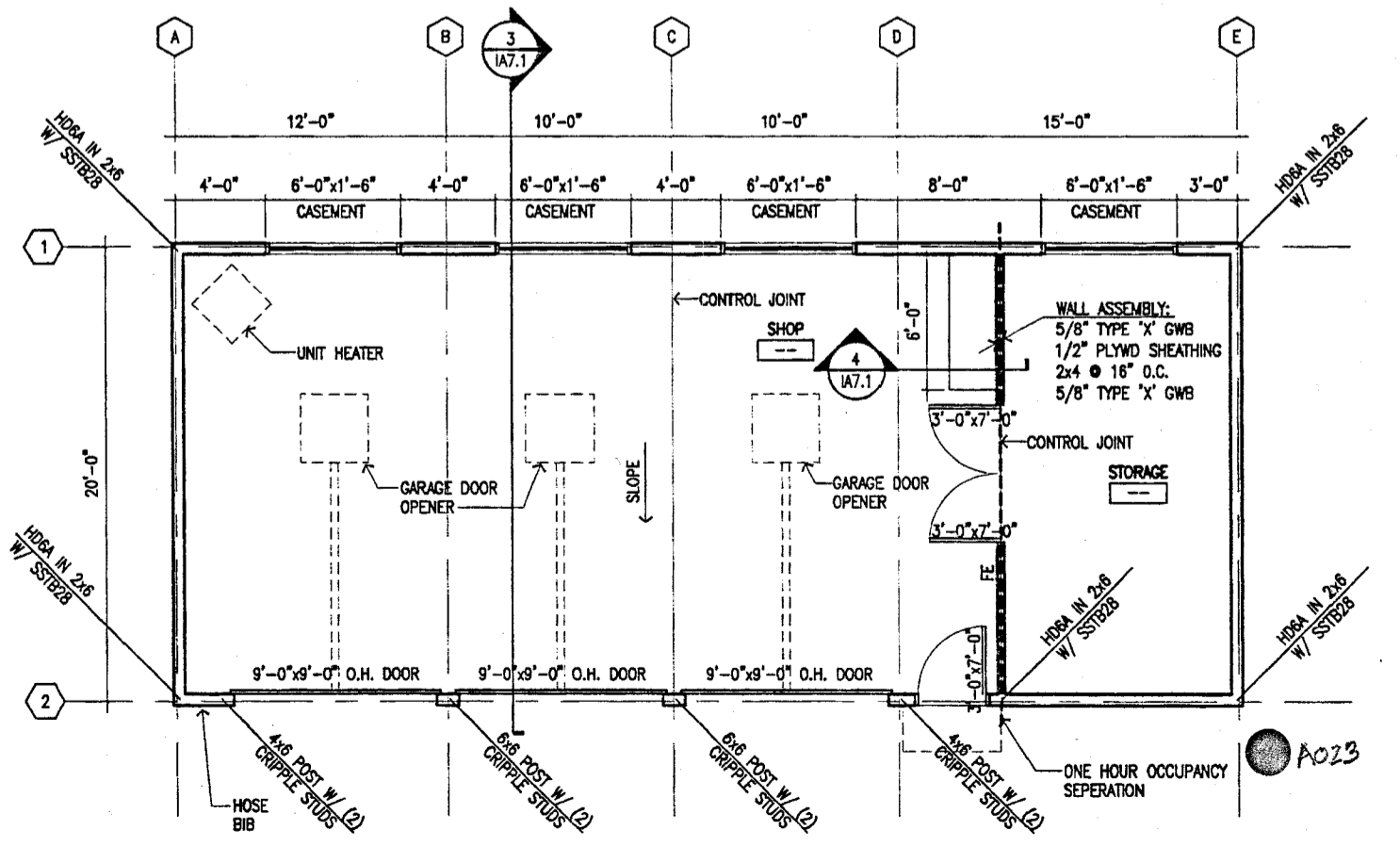
5 Elevation
 SCALE: 1/4"=1'-0"



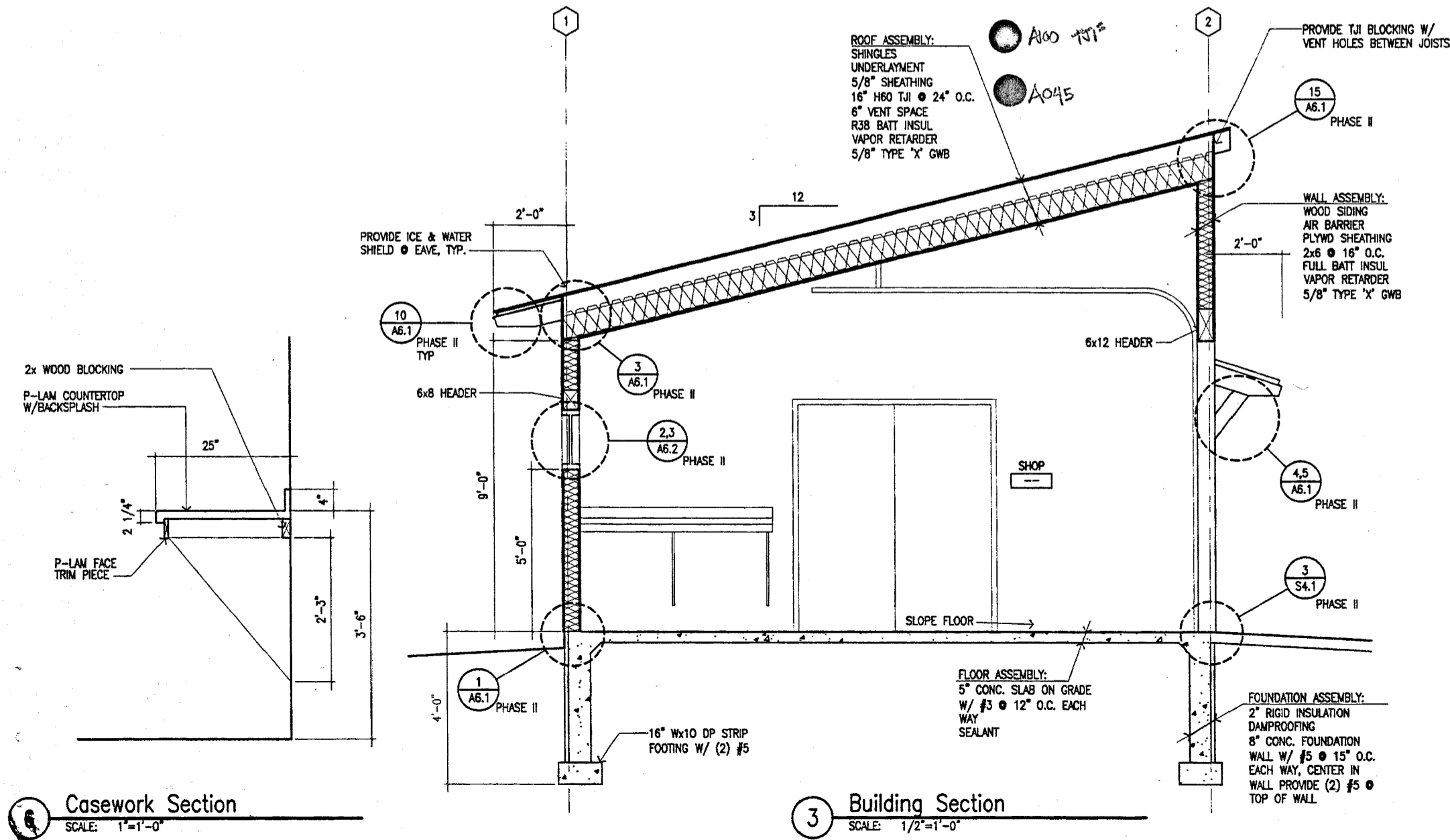
4 Pump House Floor Plan
 SCALE: 1/4"=1'-0"



2 Elevation
 SCALE: 1/4"=1'-0"



1 Maintenance Building Floor Plan
 SCALE: 1/4"=1'-0"



3 Building Section
 SCALE: 1/2"=1'-0"

Casework Section
 SCALE: 1"=1'-0"

| LUMINAIRE SCHEDULE | | | | | | | | | |
|--------------------|--|-----------------|----------------|--------------|------------------------|---------------------|------------------------------|-----------------------|--|
| FIXTURE ID | MANUFACTURER MODEL | FIXTURE VOLTAGE | LAMPS/ FIXTURE | LAMP TYPE | LAMP COLOR TEMPERATURE | MOUNTING TYPE | MOUNTING HEIGHT | FINISH | REMARKS |
| LA/100 | NOT USED | | | | | | | | |
| LB/90 | HYDREL #4710R OR LUMIERE | 120 V | 1 | 90PAR38/H/FL | 2900 | SURF. CLG. | N/A | BRONZE | |
| LC/90 | INDY #205R-81-SA-FF | 120 V | 1 | 90PAR38 H/FL | 2900 | REC. CLG. | N/A | CLEAR ALZAK | |
| LD/35 | INDY #818R-322-SA-FF | 277V | 1 | 32PLT | 3000K | REC. CLG. | N/A | CLEAR ALZAK | |
| LE/90 | GOTHAM #CP6-MB-BL | 120 V | 1 | 90PAR38/H/FL | 2900 | PEND. CLG. | 12" AFF BOTTOM OF LIGHT | BLACK W/ BLACK BAFFLE | CUT PENDANT TO FIT |
| LF/60 | HYDREL #4530A/3248 | 277V | 1 | 50HPS | 2000K | AT GRADE | N/A | BRONZE | WITH HALF SHIELD AND ENCAPSULATED BALLAST BOX |
| LG/60 | INDY #422R6-50-SA-FF | 277V | 1 | 50MH | 3200K | REC. CLG. | N/A | CLEAR ALZAK | |
| LG1/110 | INDY #422R6-100-SA-FF-SCA6 | 277V | 1 | 100MH | 3200K | REC. CLG. | N/A | CLEAR ALZAK | |
| LG2/110 | INDY #6210M-SA-FF | 277V | 1 | 100MH | 3200K | REC. CLG. | N/A | CLEAR ALZAK | |
| LH/185 | ELLIPTIPAR #M102-070G-C-02-B-0 OR ARDRON MACKIE OR INSIGHT | 277V | 1 | CMH70/T8/G1 | 3200K | SURFACE COLUMN | 26" BELOW TOP OF COLUMN | WHITE | REMOTE BALLASTS IN CEILING ABOVE. MOUNT WITHIN 10' OF LIGHTS |
| LI/30 | NOT USED | | | | | | | | SEE ELECTRICAL DRAWINGS C/75 SUBSTITUTE LUMINAIRE |
| LJ/25 | HYDREL #9605A-FL18-HW-E-CF OR BRONZELITE | 277V | 1 | F18CFL | 3000K | REC. WALL | 16" | WHITE | |
| LK/300 | LTG. SERVICES #300-00-B 2 CKT. TRACK LOUVER E | 120V | 1 | 300PAR56/MFL | 2800 | SURFACE ON GLU-LAMS | ON DRAWINGS | BLACK | PROVIDE WITH END FEED FOR CONDUIT CONNECTOR #32202 |
| LV/60 | LIGHTOLIER #MMC-24-E8 ON MC CHANNEL AND MSCC36 HANGERS | 120 V | 2 | F32T8 | 3500 | PEND. CLG. | 10'-0" AFF (BOTTOM OF LIGHT) | WHITE | |
| LM/90 | NOT USED | | | | | | | | |

| LUMINAIRE SCHEDULE - EXHIBIT ONLY | | | | | | | | | |
|-----------------------------------|---|-----------------|----------------|-----------------|------------------------|---------------|-----------------|--------|---|
| FIXTURE ID | MANUFACTURER MODEL | FIXTURE VOLTAGE | LAMPS/ FIXTURE | LAMP TYPE | LAMP COLOR TEMPERATURE | MOUNTING TYPE | MOUNTING HEIGHT | FINISH | REMARKS |
| E1 | LTG. SERVICES #QM500-00-B | 120V | 1 | Q300T3/CL | 3000K | TRACK | N/A | BLACK | |
| E2 | ALTMAN MICRO ELLIPSE MCF-TLA/LSI | 120V | 1 | 75MR16/CC EYC | 3000K | TRACK | N/A | BLACK | |
| E3 | ALTMAN MICRO ELLIPSE C/W UNISTRUT MT. | 120V | 1 | 75MR16/CC EYC | 3000K | UNISTRUT | N/A | BLACK | SUSPENDED FROM UNISTRUT POWERED FROM LSI TRACK SEE NOTE 2 |
| E4 | ETC #450-400SC-400NS-LSI TRACK ADAPT. C/W UNIGROUND CONNECTOR | 120V | 1 | HPL575/115X | 3000K | UNISTRUT | N/A | BLACK | SUPPLIED WITH C-CLAMP, COLORFRAME AND 36" LEADS SEE NOTE 2 SUSPENDED FROM UNISTRUT POWERED FROM LSI TRACK |
| E5 | LTG. SERVICES #38-00F-B | 120V | 1 | 50PAR38/H/NSP | 3000K | TRACK | N/A | BLACK | PROVIDE 12 UNITS LOCATION TBA |
| E6 | LTG. SERVICES #290-00-B | 120V | 1 | 100PAR38/HIR/FL | 3000K | TRACK | N/A | BLACK | PROVIDE 24 UNITS LOCATION TBA |
| E7 | LTG. SERVICES 1 CKT. SURF. TRK. & ACCESSORIES 8' LONG | 120V | N/A | N/A | N/A | UNISTRUT | N/A | BLACK | |
| E8 | LTG. SERVICES 1 CKT. SURF. TRK. & ACCESSORIES 12' LONG | 120V | N/A | N/A | N/A | UNISTRUT | N/A | BLACK | |
| E9 | LTG. SERVICES 1 CKT. SURF. TRK. & ACCESSORIES 12' LONG | 120V | N/A | N/A | N/A | UNISTRUT | N/A | BLACK | FIELD CUT TO 9' LONG |

NOTES: 1. PROVIDE 10 EXTRA LAMPS OF EACH TYPE LISTED ABOVE.
2. PROVIDE U GROUND CONNECTOR ON LUMINAIRE AND CONNECT TO LSI #31280 TRACK MOUNTED U GROUND OUTLET.

| LUMINAIRE SCHEDULE | | | | | | | | | |
|--------------------|--|-----------------|----------------|------------------|------------------------|---------------------|------------------------------|------------------------------|---|
| FIXTURE ID | MANUFACTURER MODEL | FIXTURE VOLTAGE | LAMPS/ FIXTURE | LAMP TYPE | LAMP COLOR TEMPERATURE | MOUNTING TYPE | MOUNTING HEIGHT | FINISH | REMARKS |
| LN/50 | LIGHTOLIER #8201/8227 1 CKT TRACK | 120V | 1 | 50PAR20/H/FL | 2900 | SURF. CLG. | N/A | WHITE | |
| LN1/90 | LIGHTOLIER #8201/8247 1 CKT. TRACK | 120V | 1 | 90PAR38/H/FL | 2900 | SURF. CLG. | N/A | WHITE | |
| LN2/75 | LIGHTOLIER #9538BK 1 CKT. TRACK | 120V | 1 | 75PAR30 H/WFL | 2900 | SURF. CLG. | N/A | WHITE | |
| LO/60 | NOT USED | | | | | | | | |
| LP/30 | ALKCO #LF28/DIF | 277 V | 1 | F28T5 | 3000K | SURFACE | | SEE CASE-WORK DRAWINGS WHITE | USE 2 LAMP REMOTE BALLASTS WHEN POSSIBLE PLACE REMOTE BALLASTS ON FASCIA ABOVE LIGHTS |
| LQ/90 | KIM #SW1/50HPS/DB-P | 277 V | 1 | 50HPS | 2000 | SURFACE | 8'-0" AFF TO CENTER OF LIGHT | BRONZE | WET LABEL MOUNT AS UPLIGHT |
| LR/110 | ELLIPTIPAR #F114-X240-E-02-V00 OR ARDRON MACKIE OR INSIGHT | 277V | 2 | F40BX | 3500 | WALL | | ON DRAWINGS WHITE | HPF BALLAST |
| LS/60 | TERRA FORM #TF6050 | 277V | 1 | 50MH | 4000K | IN BOLLARD | N/A | WEATHER-STONE BROWN | ROUND CONCRETE BOLLARD WITH CONCEALED LIGHT |
| LT/50 | LIGHTOLIER #8647BA | 120V | 1 | 50MR16/CC/25 DG. | 3000 | PEND. CLG. | N/A | BRUSHED ALUMINUM | |
| LU/125 | NOT USED | | | | | | | | |
| LV/50 | NOT USED | | | | | | | | |
| LW/90 | GOTHAM CW6MB-BL | 120V | 1 | 90PAR/H | 2900 | SURFACE ON GLU-LAMS | ON DRAWINGS | BLACK W/ BLACK BAFFLE | EMERGENCY LIGHTING ONLY |
| LX/500 | ETC #1VF4-2550 | 120V | 1 | EHD | 3000K | CLAMP ON PIPE | N/A | BLACK | 25-50 DEGREE ZOOM 20 AMP TWISTLOCK PLUG |
| LY/650 | ETC #165Q | 120V | 1 | BTL | 3050K | CLAMP ON PIPE | N/A | BLACK | 9-59 DEGREE ZOOM 20 AMP TWISTLOCK PLUG |
| LZ/90 | GOTHAM CC6MB-BL | 120V | 1 | 90PAR/H | 2900 | SURF. CLG. | N/A | BLACK W/ BLACK BAFFLE | |
| LAA/85 | McGRAW-EDISON #BR1070124-42-B2 | 277V | 1 | 70MH | 4000K | BOLLARD | N/A | BRONZE | |
| LAB/125 | METALUX #HR2GCASR-432-A125-EB | 277V | 4 | F32T8 | 3500K | REC. CLG. | N/A | WHITE | |

NOTES: 1. VERIFY CATALOG NUMBER WITH FIXTURE DESCRIPTION FOR MODIFICATIONS AND ADDITIONAL REQUIREMENTS BEFORE ORDERING

| LEGEND | |
|--------|--|
| | LIGHT FIXTURE - PENDANT HID OR INCANDESCENT |
| | LIGHT FIXTURE - SURFACE HID OR INCANDESCENT |
| | LIGHT FIXTURE - WALL MTD. CFL, INCANDESCENT OR HID |
| | LIGHT FIXTURE - KEYLESS PORCELAIN, 150 WATT |
| | LIGHT FIXTURE - RECESSED HID, CFL OR INCANDESCENT |
| | LIGHT FIXTURE - RECESSED ADJUSTABLE OR WALL WASHER |
| | LIGHT FIXTURE - SURFACE FLUORESCENT ON WALL |
| | LIGHT FIXTURE - RECESSED FLUORESCENT IN CEILING |
| | LIGHT FIXTURE - SURFACE FLUORESCENT |
| | LIGHT FIXTURE - PENDANT FLUORESCENT |
| | LIGHT FIXTURE - FLUORESCENT STRIP |
| | LIGHT FIXTURE - SPOTLIGHT |
| | LIGHT FIXTURE - TRACK MOUNTED |
| | EXHIBIT LIGHT FIXTURE WITH LUMINAIRE MARK INDICATED |
| | DIMMER AND MOUNTING DESIGNATION FOR EXHIBIT TRACK MEMBER. LETTER INDICATES MOUNTING OF TRACK ON UNISTRUT GRID. |
| U | INDICATES TRACK MOUNTING TO TOP OF UPPER UNISTRUT GRID MEMBER |
| M | INDICATES TRACK MOUNTING TO UNDER SIDE OF UPPER UNISTRUT GRID MEMBER |
| L | INDICATES TRACK MOUNTING TO UNDERSIDE OF LOWER UNISTRUT GRID MEMBER |

C178 - LAMPS.

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN

ANCHORAGE, ALASKA
 LIGHTING LEGEND, SCHEDULES

Revisions

CONFORMED DRAWINGS

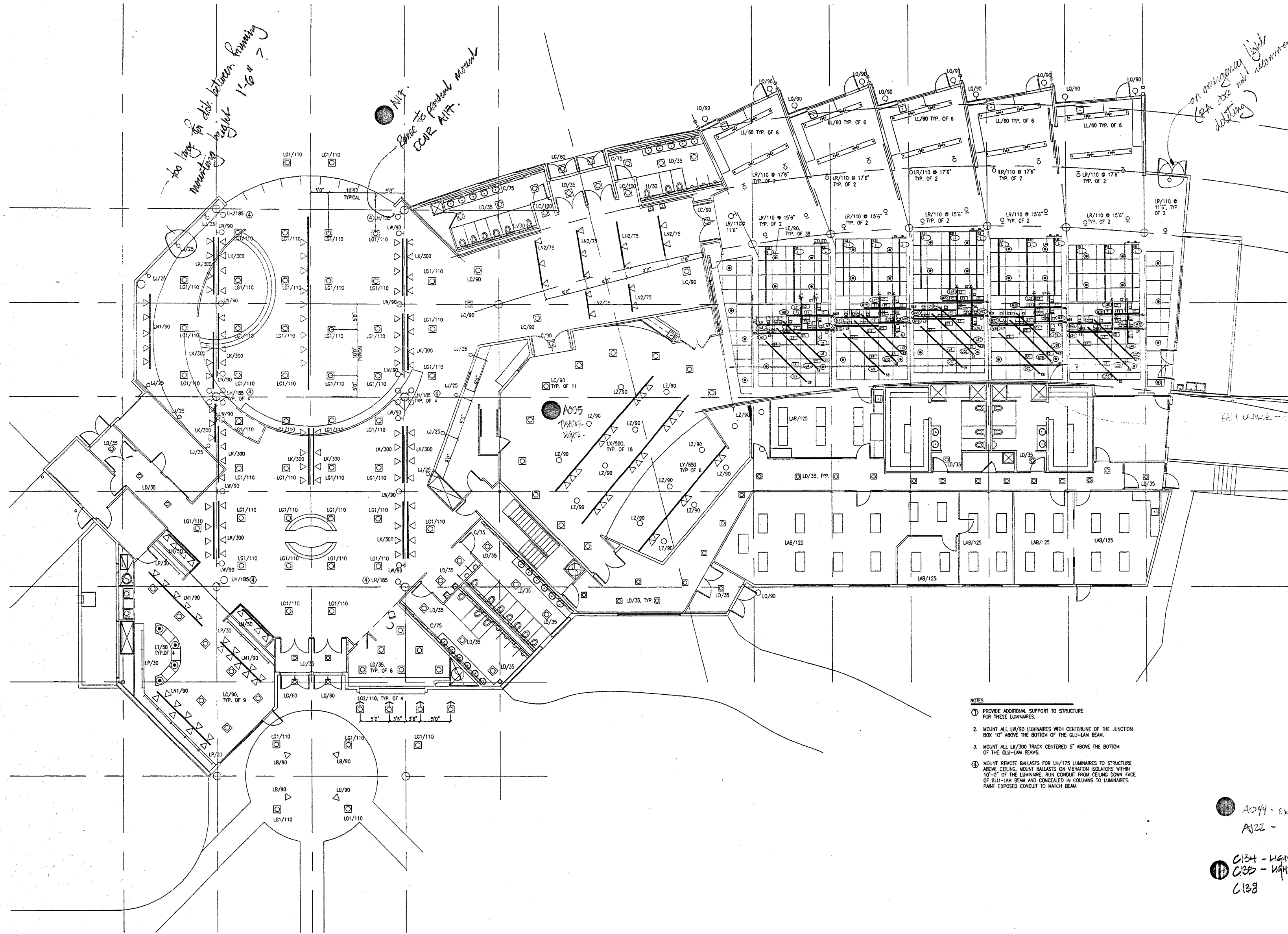
Date 09/01/98
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 Checked BAW
 Job No. 9811

Sheet No.

ILP1.1

Spectrum Design
 2701 Kobuk Court, Anchorage, Alaska 99508
 Phone/Fax (907) 278-8422

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- NOTES
1. PROVIDE ADDITIONAL SUPPORT TO STRUCTURE FOR THESE LUMINAIRES.
 2. MOUNT ALL LW/90 LUMINAIRES WITH CENTERLINE OF THE JUNCTION BOX 10" ABOVE THE BOTTOM OF THE GLU-LAM BEAM.
 3. MOUNT ALL LK/300 TRACK CENTERED 5" ABOVE THE BOTTOM OF THE GLU-LAM BEAMS.
 4. MOUNT REMOTE BALLASTS FOR LH/175 LUMINAIRES TO STRUCTURE ABOVE CEILING. MOUNT BALLASTS ON VIBRATION ISOLATORS WITHIN 10"-0" OF THE LUMINAIRE. RUN CONDUIT FROM CEILING DOWN FACE OF GLU-LAM BEAM AND CONCEALED IN COLUMNS TO LUMINAIRES. PAINT EXPOSED CONDUIT TO MATCH BEAM.

● A044 - EXHIBIT LIGHTING
 A122 - " "

● C124 - LIGHTING
 C125 - LIGHTING
 C138

1 LIGHTING PLAN
 1/8" = 1'-0"

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 An Alaska Corporation

ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 LIGHTING PLAN

Revisions

CONFORMED DRAWINGS

Date 09/01/98
 Drawn BAM
 Checked BAM
 Job No. 9811

Sheet No.
 ILP1.2
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| PLUMBING FIXTURE CONNECTION SCHEDULE | | | | | | | |
|--------------------------------------|--------------------|--------------------|--------|--------|------|------|---|
| SYMBOL | FIXTURE | SOIL | WASTE | VENT | H.W. | C.W. | REMARKS |
| P-1 | WATER CLOSET | 4" | — | 2" | — | 1" | WALL HUNG, SIPHON JET, FLUSH VALVE, CARRIER |
| P-2 | WATER CLOSET | 4" | — | 2" | — | 1" | WALL HUNG, SIPHON JET, FLUSH VALVE, CARRIER SPECIAL MOUNTING HEIGHT, BARRIER-FREE |
| P-3 | URNAL | 2" | — | 1 1/2" | — | 3/4" | WALL HUNG, SIPHON JET, FLUSH VALVE, CARRIER |
| P-4 | URNAL | 2" | — | 1 1/2" | — | 3/4" | WALL HUNG, SIPHON JET, FLUSH VALVE, CARRIER SPECIAL MOUNTING HEIGHT, BARRIER-FREE |
| P-5 | LAVATORY | — | 1 1/2" | 1 1/2" | 1/2" | 1/2" | COUNTER SET, VITREOUS CHINA, BARRIER-FREE MFG. HEIGHT INSULATED HOT WATER AND WASTE |
| P-6 | SHOWER | — | 2" | 1 1/2" | 1/2" | 1/2" | 26" X 36" STALL, BARRIER-FREE PREMANUFACTURED PACKAGE |
| P-6A | SHOWER | — | 2" | 1 1/2" | 1/2" | 1/2" | 36" X 36" STALL, PRESSURE BALANCE FAUCET |
| P-7 | MOPCEPTOR W/FAUCET | — | 3" | 2" | 1/2" | 1/2" | 36" X 24" PRE-CAST TERRAZZO, CHROME FAUCET W/PULL-OUT, VACUUM BRKR. |
| P-8 | DRINKING FOUNTAIN | — | 1 1/2" | 1 1/2" | — | 1/2" | SURFACE MOUNTED, STAINLESS STEEL, DUAL HEAD FOR BARRIER-FREE MOUNTING HEIGHT |
| P-9 | ART STUDIO SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | 22 X 25 X 12 STAINLESS STEEL, COUNTER SET, GOOSENECK FAUCET, SOLIDS INTERCEPTOR |
| P-10 | HOSPITALITY SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | 22 X 25 X 12 STAINLESS STEEL, COUNTER SET, GOOSENECK FAUCET |
| P-11 | HANDWASH SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | 17 X 17 X 12 STAINLESS STEEL, WALL HUNG, GOOSENECK FAUCET |
| P-12 | FOOD PREP SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | 17 X 17 X 12 STAINLESS STEEL, LEGS GOOSENECK FAUCET, IND. WASTE TO FS-1 |
| P-13 | 3-COMPARTMENT SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | STAINLESS STEEL, GOOSENECK FAUCET |
| P-14 | GREASE INTERCEPTOR | — | 3" | 2" | — | — | SMITH MODEL 8220 WITH EXTENSION RING 20 GPM FLOW RESTRICTOR |
| P-15 | WORKROOM SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | WALL HUNG VITREOUS CHINA SINGLE LEVER FAUCET |
| P-16 | WORKROOM SINK | — | 2" | 1 1/2" | 1/2" | 1/2" | STAINLESS STEEL, 14 GA. 2-COMPARTMENT GOOSENECK FAUCET |
| P-17 | EYE WASH STATION | — | — | — | — | 1/2" | STAINLESS STEEL, RECESSED WALL MOUNT SWING DOWN SPOUT |
| FS-1 | FLOOR SINK | — | 2" | 1 1/2" | — | — | 12" SQ. X 8" DEEP STAINLESS STEEL W/2 GRATE TOP |
| FD-1 | FLOOR DRAIN | — | 2" | 1 1/2" | — | — | NICKLE BRONZE VANDALPROOF TOP |
| FD-2 | FLOOR DRAIN | — | 2" | 1 1/2" | — | — | 8" ROUND CAST IRON TOP |
| FD-3 | FLOOR DRAIN | — | 2" | 1 1/2" | — | — | 8" ROUND W/PANEL TOP |
| RD-1 | ROOF DRAIN | SEE PLANS FOR SIZE | | | | | |
| RD-2 | ROOF DRAIN | SEE PLANS FOR SIZE | | | | | OVERFLOW |
| RD-3 | ROOF DRAIN | SEE PLANS FOR SIZE | | | | | DOWN SPOUT NOZZLE |
| HB-1 | HOSE BIBB | — | — | — | — | 3/4" | EXTERIOR USE, FROST PROOF, KEY OPERATED, VACUUM BREAKER |
| HB-2 | HOSE BIBB | — | — | — | — | 3/4" | INTERIOR USE, VACUUM BREAKER |

| HEATING COIL SCHEDULE | | | | | | | | | | | | | |
|-----------------------|----------------|------|------|---------|-----|-----------|-----|------------|-------------|-----|---------------------------|------------|----------------|
| SYMBOL | LOCATION | MBH | CFM | VEL FPM | GPM | AIR TEMP. | | GLYCOL (%) | FLUID TEMP. | | PRESS. DROP* | VALVE TYPE | RELATED SYSTEM |
| | | | | | | IN | OUT | | IN | OUT | | | |
| HC-5 | HALLWAY 125 | 9.8 | 1400 | 600 | 14 | 55 | 68 | P50 | 190 | 160 | 0.10** 5" MAX. 2-WAY MOD. | | BOX 11 |
| HC-6 | HALLWAY 125 | 271 | 600 | | 20 | | 97 | | | | | | BOX 12 |
| HC-7 | HALLWAY 125 | 9.8 | 1400 | | 14 | | 68 | | | | | | BOX 109 |
| HC-8 | LOBBY 101 | 7.9 | 560 | | 8 | | 68 | | | | | | BOX 107 |
| HC-9 | LOBBY 101 | 14.8 | 1050 | | 11 | | 68 | | | | | | BOX 13 |
| HC-10 | LOBBY 101 | 7.9 | 560 | | 8 | | 68 | | | | | | BOX 105 |
| HC-11 | TICKETING 164 | 13 | 300 | | 8 | | 90 | | | | | | BOX 104 |
| HC-12 | PHONE 162 | 14.8 | 1050 | | 11 | | 68 | | | | | | BOX 14 |
| HC-13 | PROJECTION 159 | 9.8 | 1400 | | 14 | | 68 | | | | | | BOX 15 |
| HC-14 | PROJECTION 159 | 9.8 | 1400 | | 14 | | 68 | | | | | | BOX 120 |
| HC-15 | CROSSROADS 80 | 17.7 | 490 | | 13 | | 88 | | | | | | BOX 18 |
| HC-16 | CROSSROADS 80 | 17.7 | 490 | | 13 | | 88 | | | | | | BOX 19 |
| HC-17 | LOBBY 154 | 22.3 | 580 | | 16 | | 68 | | | | | | BOX 202 |
| HC-18 | LOBBY 154 | 11 | 300 | | 8 | | 102 | | | | | | BOX 203 |
| HC-19 | SIDE STAGE 153 | 22.3 | 580 | | 16 | | 68 | | | | | | BOX 204 |
| HC-20 | LIBRARY 152 | 26.8 | 860 | | 20 | | 84 | | | | | | BOX 205 |
| HC-21 | LIBRARY 152 | 5.2 | 600 | | 11 | | 79 | | | | | | BOX 206 |
| HC-22 | LIBRARY 152 | 5.0 | 300 | | 5 | | 70 | | | | | | BOX 207N |
| HC-23 | CORRIDOR 146 | 18.0 | 65 | | 13 | | 97 | | | | | | BOX 207S |
| HC-24 | LOCKER 147 | 14.7 | 600 | | 11 | | 78 | | | | | | BOX 208 |
| HC-25 | WOMEN 150 | 19.5 | 830 | | 14 | | 76 | | | | | | BOX 209 |
| HC-26 | WOMEN 150 | 14.7 | 600 | | 11 | | 78 | | | | | | BOX 20CN |
| HC-27 | OFFICE 143 | 13 | 35 | | 8 | | 88 | | | | | | BOX 20S |
| HC-28 | OFFICE 143 | 33.8 | 320 | | 10 | | 94 | | | | | | BOX 21 |
| HC-29 | MEN 148 | 26.8 | 860 | | 20 | | 84 | | | | | | BOX 22 |
| HC-30 | LOCKER 147 | 14.7 | 600 | | 11 | | 78 | | | | | | BOX 23N |
| HC-31 | ELDERS 142 | 33.8 | 320 | | 10 | | 94 | | | | | | BOX 23S |
| HC-32 | LOCKER 147 | 14.4 | 430 | | 10 | | 84 | | | | | | BOX 24 |
| HC-33 | CORRIDOR 146 | 17.7 | 550 | | 14 | | 88 | | | | | | BOX 25 |
| HC-34 | RECEIVING 139 | 17.0 | 600 | | 12 | | 81 | | | | | | BOX 26 |
| HC-35 | WORKSHOP 138 | 28.6 | 800 | | 20 | | 88 | | | | | | BOX 27 |

* MAXIMUM VELOCITY BASED ON COOLING CFM. SEE DUCT SCHEDULE.
 ** MAXIMUM AIR PRESSURE DROP BASED ON COOLING CFM. SEE DUCT SCHEDULE.

| FAN SCHEDULE | | | | | | | | | | | | |
|--------------|---------------|------|------|----------|------|------|-----|------|-----------------------|---------|--|--|
| SYMBOL | LOCATION | CFM | RPM | O.V. FPM | S.P. | TYPE | USE | DISC | MOTOR HP/DESIGN BASIS | PRODUCT | | |
| EF-1 | WOMEN 150 | 920 | 950 | 736 | .5 | 8" | FC | E/A | THD | 1/20/1 | | GREEN-ECK BC-108, INSULATED HOUSING, SIDE ACCESS DOOR. |
| EF-2 | CROSSROADS 80 | 750 | 845 | 900 | .75 | 7" | FC | E/A | THD | 1/20/1 | | GREEN-ECK BC-107, INSULATED HOUSING, SIDE ACCESS DOOR. |
| EF-3 | RECEIVING 139 | 190 | 170 | 962 | .75 | 8" | FC | E/A | THD | 1/20/1 | | GREEN-ECK BC-108, INSULATED HOUSING. |
| EF-4 | KITCHEN 136 | 1200 | 1725 | — | .5 | 10" | B | E/A | LPELAST | 1/20/1 | | GREEN-ECK CUE-100-A, DIRECT DRIVE, W/ ROOF CURB. |

| HEATING UNIT SCHEDULE | | | | | | | | | | | | |
|-----------------------|---------------------|------------|----------|-----------|------|-----|-----|------|-------------------|--|--|--|
| SYMBOL | TYPE | GLYCOL (%) | FLUID IN | FLUID OUT | MBH | GPM | CFM | RPM | MOTOR HP/VOLTS/PH | DESIGN BASIS PRODUCT | | |
| QH-1 | CABINET UNIT HEATER | P50 | 190 | 170 | 15.2 | 2.0 | 230 | 1050 | 1/25 15/1 | STERLING RW-130-OZ, SINGLE ROW COL. WALL SEMI-RECESSED. | | |
| QH-2 | CABINET UNIT HEATER | | | | 23.9 | 2.9 | 230 | 1050 | 1/25 15/1 | STERLING RW-130-OZ, TWO ROW COL. WALL SEMI-RECESSED. | | |
| QH-3 | CABINET UNIT HEATER | | | | 42.7 | 5.1 | 430 | 1050 | 1/20 15/1 | STERLING RW-130-OZ, TWO ROW COL. WALL SEMI-RECESSED. | | |
| UH | UNIT HEATER | | | | 48.6 | 6.2 | 900 | 1070 | 1/20 15/1 | STERLING HS-72 | | |
| BB-1 | SLOPE TOP BASEBOARD | | | | 0.8 | | | | | STERLING TYPE S LOW PROFILE SLOPE TOP, 3/4" SQ. AL FNS. 40 FPF. | | |
| BB-2 | BASE ELEMENT | | | | 1.6 | | | | | STERLING CS-14-435 ELEMENT, 2 ROW AT 6" O.C. 4 1/4" X 3-5/8" AL FNS. 50 FPF. | | |
| RP-1 | RADIANT PANEL | | | | 24 | | | | | ARTEX LINEAR SYSTEM 12" WIDE, 2 TUBE. | | |
| RP-2 | RADIANT PANEL | | | | 7.4 | | | | | ARTEX LINEAR SYSTEM 9" WIDE, 2 TUBE. | | |

| SLOT DIFFUSER SCHEDULE | | | | | |
|------------------------|--------|--------------|-------------------|--|--|
| SYMBOL | LENGTH | NO. OF SLOTS | DIRECTION OF FLOW | DESIGN BASIS PRODUCT | |
| (A) | 24 | 3 | ADJUSTABLE | TITUS TBD-30, 1 INCH SLOT WIDTH, INSULATED PLENUM, 8" RND PLENUM | |
| (B) | 24 | 1 | ADJUSTABLE | TITUS TBD-30, 1 INCH SLOT WIDTH, INSULATED PLENUM, 8" RND PLENUM | |
| (C) | 24 | 4 | ADJUSTABLE | TITUS TBD-30, 1 INCH SLOT WIDTH, INSULATED PLENUM, 8" RND PLENUM | |

| AIR OUTLET SCHEDULE | | | | | |
|---------------------|-----------|----------|---------|-----|--|
| SYMBOL | UNIT SIZE | SCFM | FINISH | USE | DESIGN BASIS PRODUCT |
| (A) | 10" RND | 390 | PRIME | S/A | TITUS TMRA, ROUND CEILING DIFFUSER, HORIZONTAL TO VERTICAL TYPE 3 THROW ADJUSTMENT, EQUALIZING GRID, EARTHQUAKE TABS, STEEL CONSTRUCTION. |
| (B) | SEE PLAN | SEE PLAN | E/VALVE | S/A | TITUS 300FS, DOUBLE DEFLECTION, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO SHORT DIMENSION, CONCEALED FASTENERS, COLOR TO MATCH SAMPLE, ALUMINUM. |
| (C) | | | | S/A | TITUS 350ZL, 3/4" BLADE SPACING, 0 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION, CONCEALED FASTENERS, COLOR TO MATCH SAMPLE, ALUMINUM. |
| (D) | | | | R/A | TITUS 50F, ALUMINUM CONSTRUCTION, 1/2 X 1/2 X 1/2 EGGRATE CORE, 24 X 24 LAY IN PANEL BORDER TYPE 3. |
| (E) | | | | R/A | SAME AS (D) EXCEPT WITH SURFACE MOUNT BORDER TYPE 1 WITH OPPOSED BLADE DAMPER. |
| (F) | 10" RND | | | S/A | TITUS MODEL TDCA-AA, ALUMINUM, ADJUST. DISCHARGE, LAY IN PANEL BORDER TYPE 3, COLOR TO MATCH SAMPLE, 18 X 18 LOWBROW FACE. |
| (G) | | | | S/A | TITUS FLOWBAR CONTINUOUS CURVED LINEAR SLOT DIFFUSER, 2 SLOT, 2 INCH WIDE SLOTS, HIGH THROW PATTERN CONTROLLER, 4 FT INSULATED PLENUM, 12 RND INLET. |
| (H) | | | | S/A | TITUS FLOWBAR CONTINUOUS LINEAR SLOT DIFFUSER, 2 SLOT, 15 INCH WIDE SLOTS, JET THROW CONTROLLER, 4 FT INSULATED PLENUM, 12 RND INLET. |
| (I) | | | | S/A | TITUS FLOWBAR CONTINUOUS LINEAR SLOT DIFFUSER, 2 SLOT, 1 INCH WIDE SLOTS, JET THROW CONTROLLER, 4 FT INSULATED PLENUM, 12 RND INLET. |
| (J) | SEE PLAN | | | S/A | TITUS 300FS, DOUBLE DEFLECTION, 3/4" BLADE SPACING, FRONT BLADES PARALLEL TO SHORT DIMENSION, CONCEALED FASTENERS, COLOR TO MATCH SAMPLE, STEEL. |
| (K) | SEE PLAN | | | R/A | TITUS 350ZL, 3/4" BLADE SPACING, 0 DEGREE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION, CONCEALED FASTENERS, COLOR TO MATCH SAMPLE, STEEL. |
| (L) | SEE PLAN | | | R/A | SAME AS (G) EXCEPT LESS ODD. |

| LEGEND | | |
|--------|-------------------------------------|--------|
| ABBR. | EXPLANATION | SYMBOL |
| NIC | NOT IN CONTRACT | |
| IGC | IN GENERAL CONSTRUCTION | |
| MOV | 2-WAY MOTOR OPERATED VALVE | |
| MOV | 3-WAY MOTOR OPERATED VALVE | |
| PRV | PRESSURE RELIEF VALVE | |
| RV | RELIEF VALVE | |
| CV | CHECK VALVE | |
| | BALL VALVE | |
| | GLOBE VALVE | |
| | BALANCING/ISOLATION VALVE | |
| | SQUARE HEAD COCK | |
| | UNION | |
| | PIPE ANCHOR | |
| | PIPE GUIDE | |
| | EXPANSION COMPENSATOR | |
| | FLOW CONTROL VALVE | |
| | STRAINER WITH DRAIN VALVE | |
| | PRESSURE GAGE | |
| | THERMOMETER | |
| S/W | SANITARY SOIL/WASTE | |
| PS | PUMPED SANITARY SOIL/WASTE | |
| V | VENT | |
| VTR | VENT THRU ROOF | |
| CO | CLEANOUT | |
| WCO | WALL CLEANOUT | |
| FCO | FLOOR CLEANOUT | |
| CW | COLD WATER | |
| HW | HOT WATER | |
| HWC | HOT WATER CIRCULATION | |
| T | TEMPERED WATER | |
| RL | RAIN LEADER | |
| RD | ROOF DRAIN | |
| SD | STORM DRAIN | |
| FD | FLOOR DRAIN | |
| HB | HOSE BIBB | |
| WH | WALL HYDRANT | |
| A | COMPRESSED AIR | |
| SP | SPRINKLER | |
| FDC | FIRE DEPARTMENT CONNECTION | |
| F | FIRE | |
| CWS | CHILLED WATER SUPPLY | |
| CWR | CHILLED WATER RETURN | |
| GS | GLYCOL SUPPLY | |
| GR | GLYCOL RETURN | |
| HWS | HEATING WATER SUPPLY | |
| HWR | HEATING WATER RETURN | |
| FOS | FUEL OIL SUPPLY | |
| FOR | FUEL OIL RETURN | |
| G | GAS | |
| T'STAT | THERMOSTAT | |
| T'STAT | RETURN AIR THERMOSTAT | |
| AAV | AUTOMATIC AIR VENT | |
| S/A | SUPPLY AIR | |
| R/A | RETURN AIR | |
| O/A | OUTSIDE AIR | |
| E/A | EXHAUST AIR | |
| BD | BALANCING DAMPER | |
| FD | FIRE DAMPER | |
| MOD | MOTOR OPERATED DAMPER | |
| | FLEXIBLE CONNECTION | |
| | AIR EXTRACTOR | |
| | AIR FOIL TURNING VANES | |
| | FLEXIBLE DUCT | |
| | SUPPLY AIR SLOT W/FLEX DUCT | |
| | RETURN AIR SLOT | |
| | DUCT IDENTIFICATION SYMBOL | |
| | SUPPLY AIR REG. GRILLE, OR DIFFUSER | |
| | RETURN/EXHAUST AIR REG. OR GRILLE | |
| SL | ACOUSTICALLY LINED DUCT | |
| | THERMALLY INSULATED DUCT OR PIPE | |
| HC | HEATING COIL | |
| CC | COOLING COIL | |
| DD | DUCT DETECTOR | |
| | AIR FLOW MEASURING DEVICE | |
| | STATIC PRESSURE SENSOR | |

THIS IS A STANDARD LEGEND. SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.

GREASE INTERCEPTOR MODEL AND GPM RATING CHANGE
 20 GPM FLOW RESTRICTOR



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 LEGEND & SCHEDULES

CONFORMED DRAWINGS

Date: 09/01/98
 Drawn: JM
 Checked: BSS
 Job No.: 95023

Sheet No.: IM-1
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 PLUMBING PLAN

Revisions

CONFORMED DRAWINGS

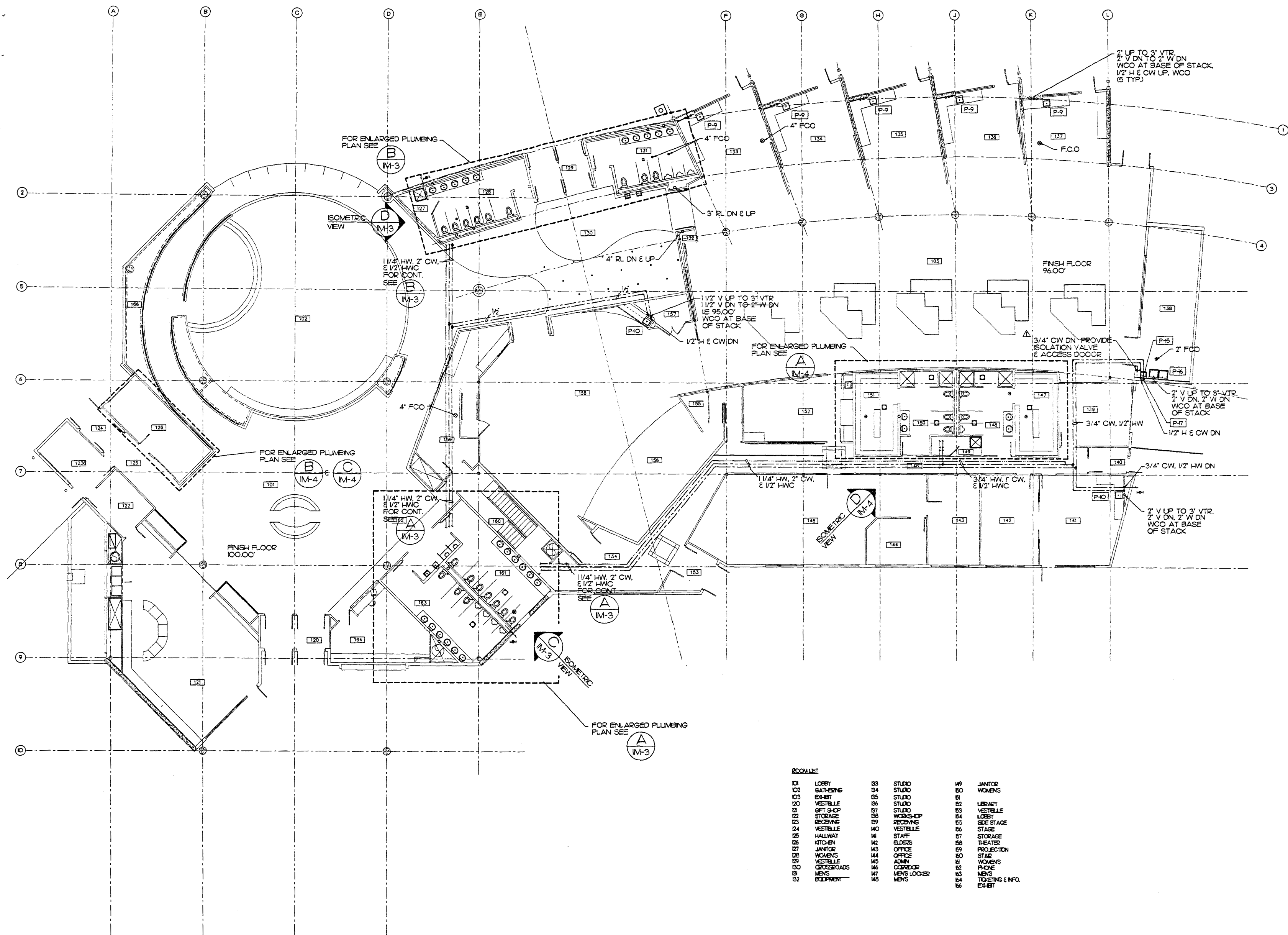
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Sheet No.

IM-2

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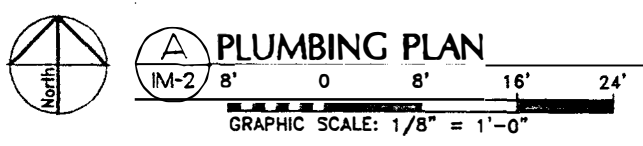
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ROOMLIST

| | | |
|---------------|----------------|---------------------|
| 01 LOBBY | 03 STUDIO | 49 JANITOR |
| 02 BATHING | 04 STUDIO | 50 WOMENS |
| 03 EXHIBIT | 05 STUDIO | 51 |
| 04 VESTIBULE | 06 STUDIO | 52 LIBRARY |
| 05 GIFT SHOP | 07 STUDIO | 53 VESTIBULE |
| 06 STORAGE | 08 WORKSHOP | 54 LOBBY |
| 07 RECEIVING | 09 RECEIVING | 55 SIDE STAGE |
| 08 VESTIBULE | 10 VESTIBULE | 56 STAGE |
| 09 HALLWAY | 11 STAFF | 57 STORAGE |
| 10 KITCHEN | 12 ELDERG | 58 THEATER |
| 11 JANITOR | 13 OFFICE | 59 PROJECTION |
| 12 WOMENS | 14 OFFICE | 60 STAGE |
| 13 VESTIBULE | 15 ADMIN | 61 WOMENS |
| 14 CROSSROADS | 16 CORRIDOR | 62 PHONE |
| 15 MENS | 17 MENS LOCKER | 63 MENS |
| 16 EQUIPMENT | 18 MENS | 64 TICKETING & INFO |
| | | 65 EXHIBIT |

△ PROVIDE WATER SUPPLY TO MAINTENANCE BUILDING

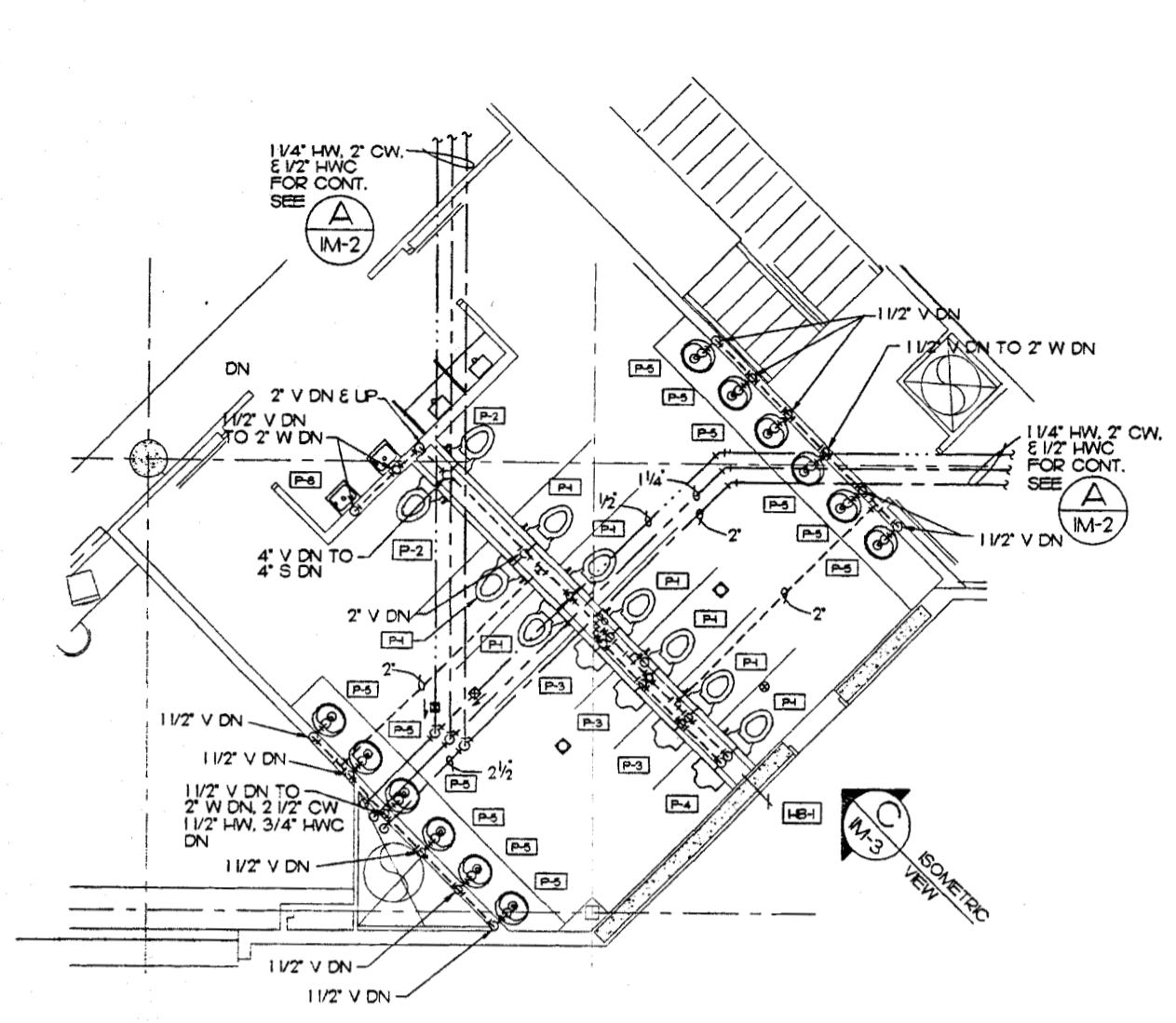


PLUMBING PLAN

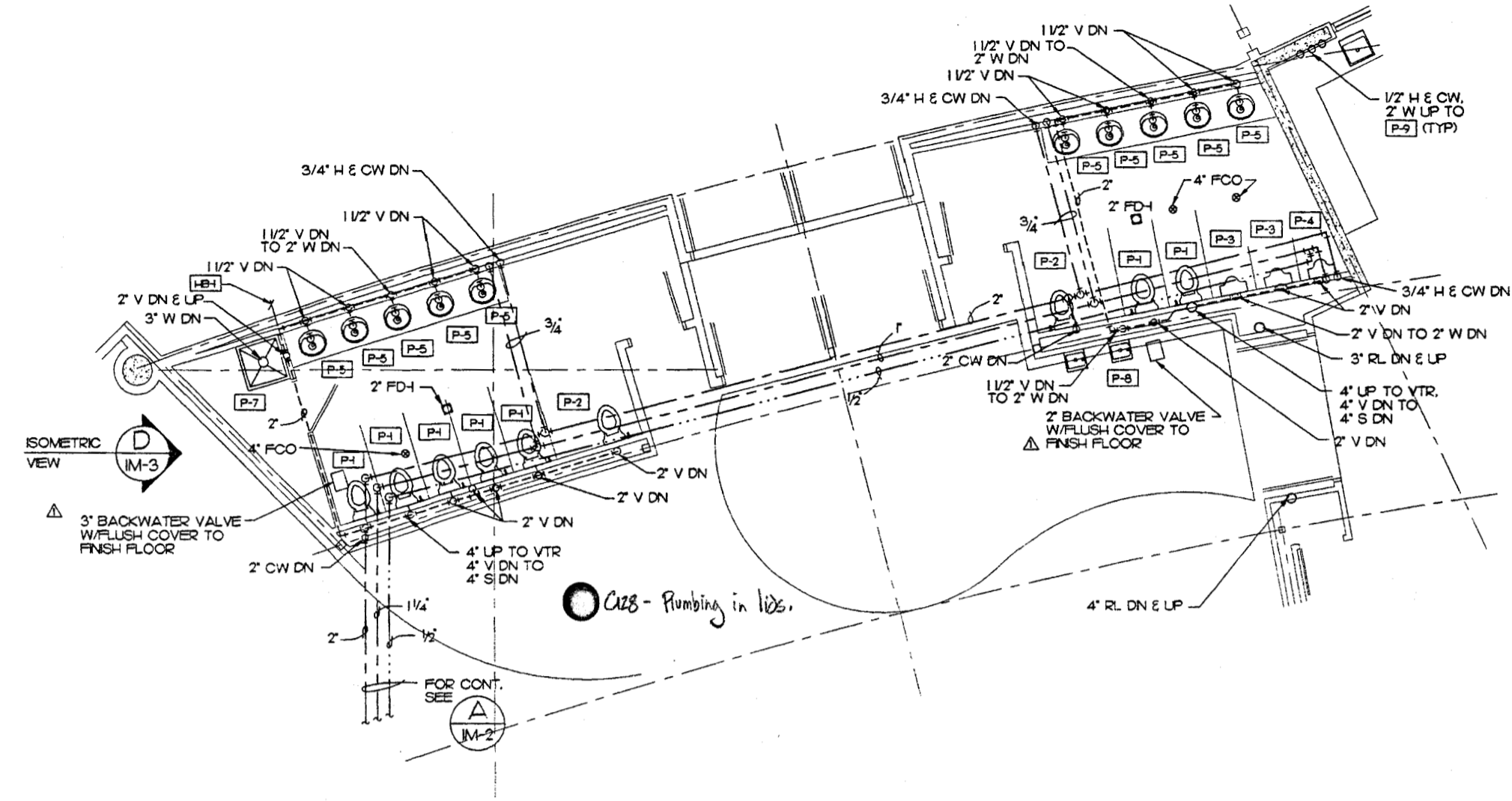
IM-2 8' 0 8' 16' 24'

GRAPHIC SCALE: 1/8" = 1'-0"

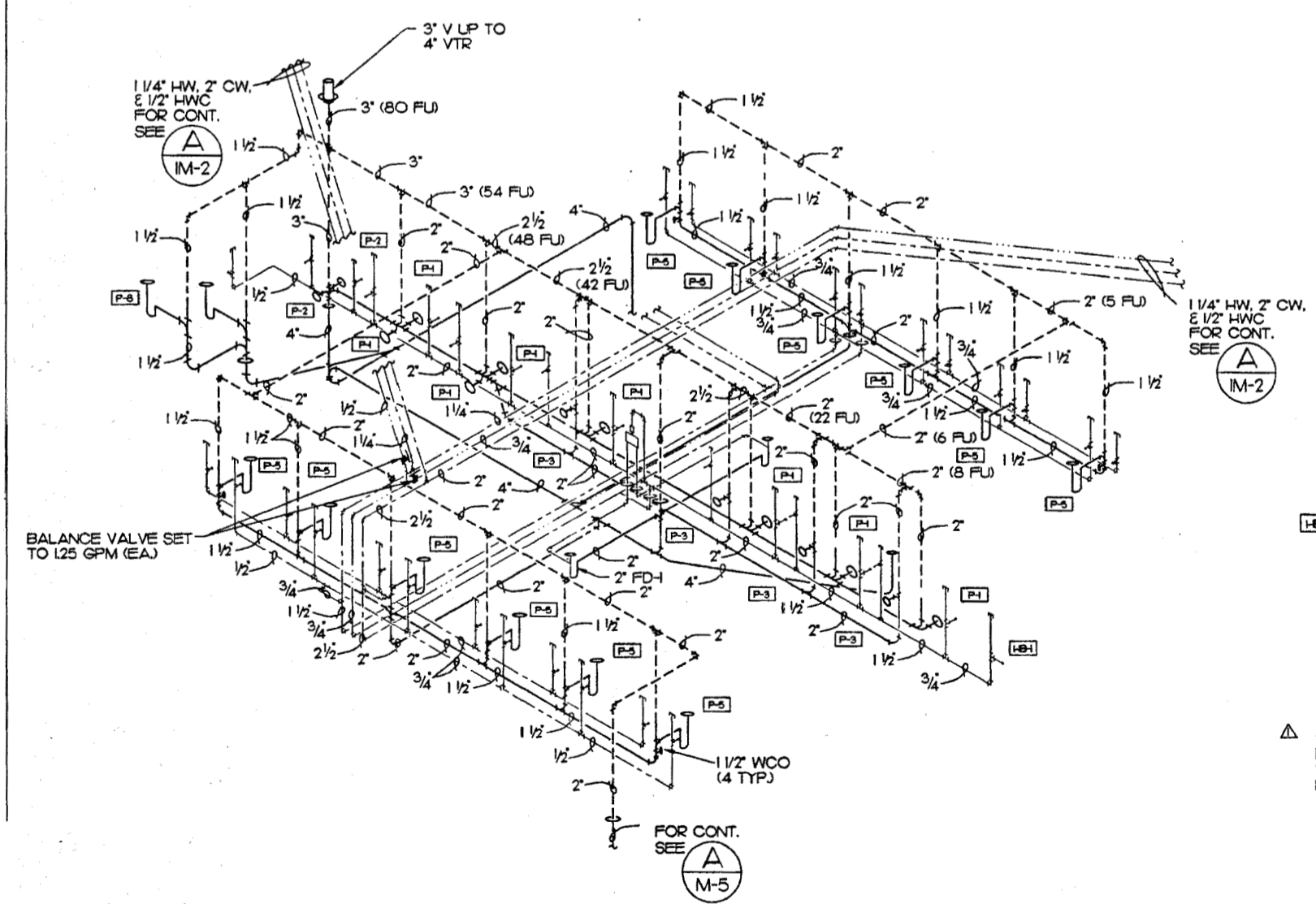
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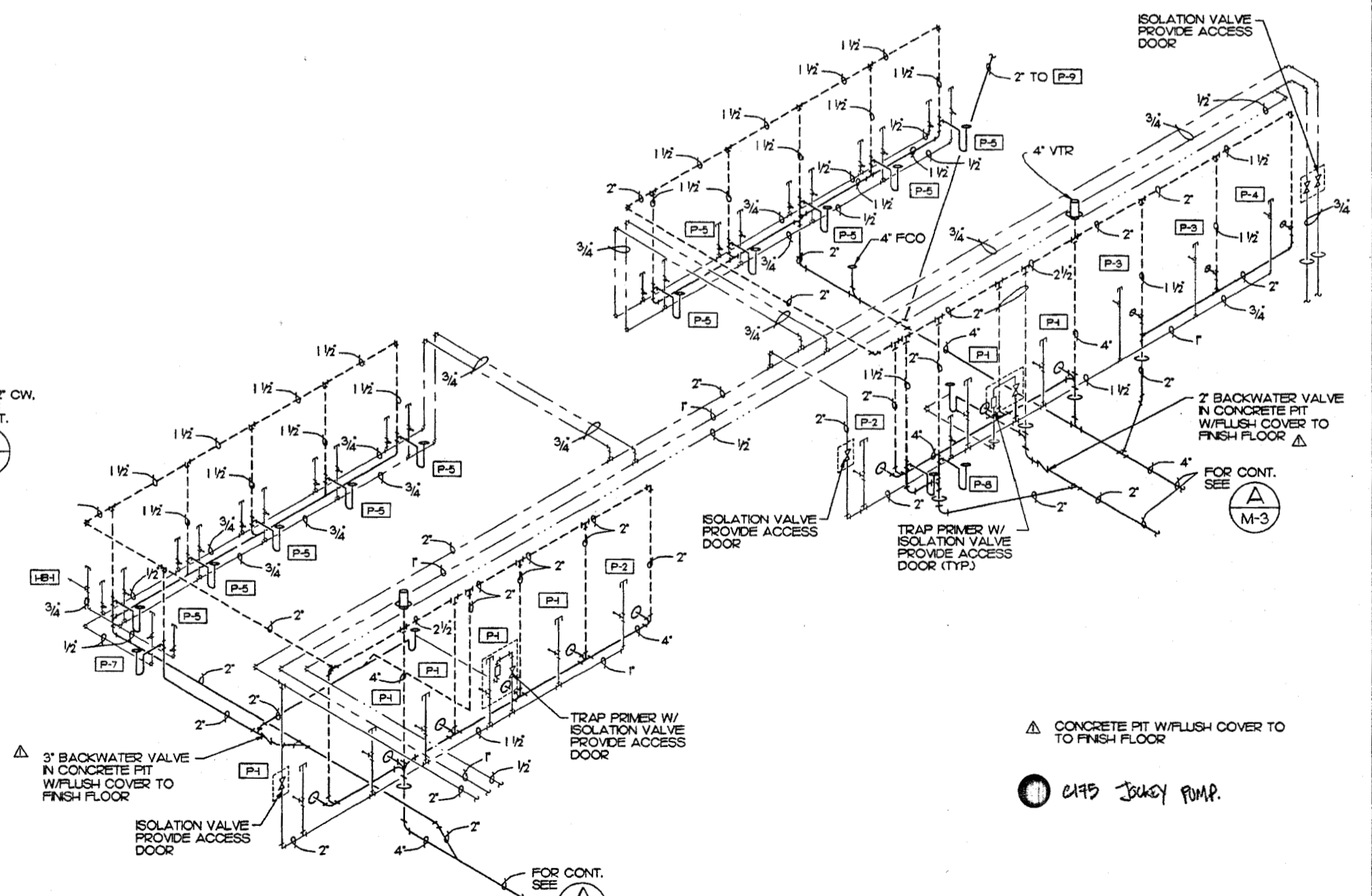
A ENLARGED PLUMBING PLAN
 IM-3
 GRAPHIC SCALE: 1/4" = 1'-0"



B ENLARGED PLUMBING PLAN
 IM-3
 GRAPHIC SCALE: 1/4" = 1'-0"



C PLUMBING ISOMETRIC
 IM-3 NO SCALE



D PLUMBING ISOMETRIC
 IM-3 NO SCALE

Plot Date: 09/01/98
 DWG Name: JON:5003_IM3.dwg



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
 ENLARGED PLANS & ISOMETRICS

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINAL DESIGN
 ANHC ANCHORAGE, ALASKA
 ENLARGED PLANS, ISOMETRICS, & DETAILS

Revisions

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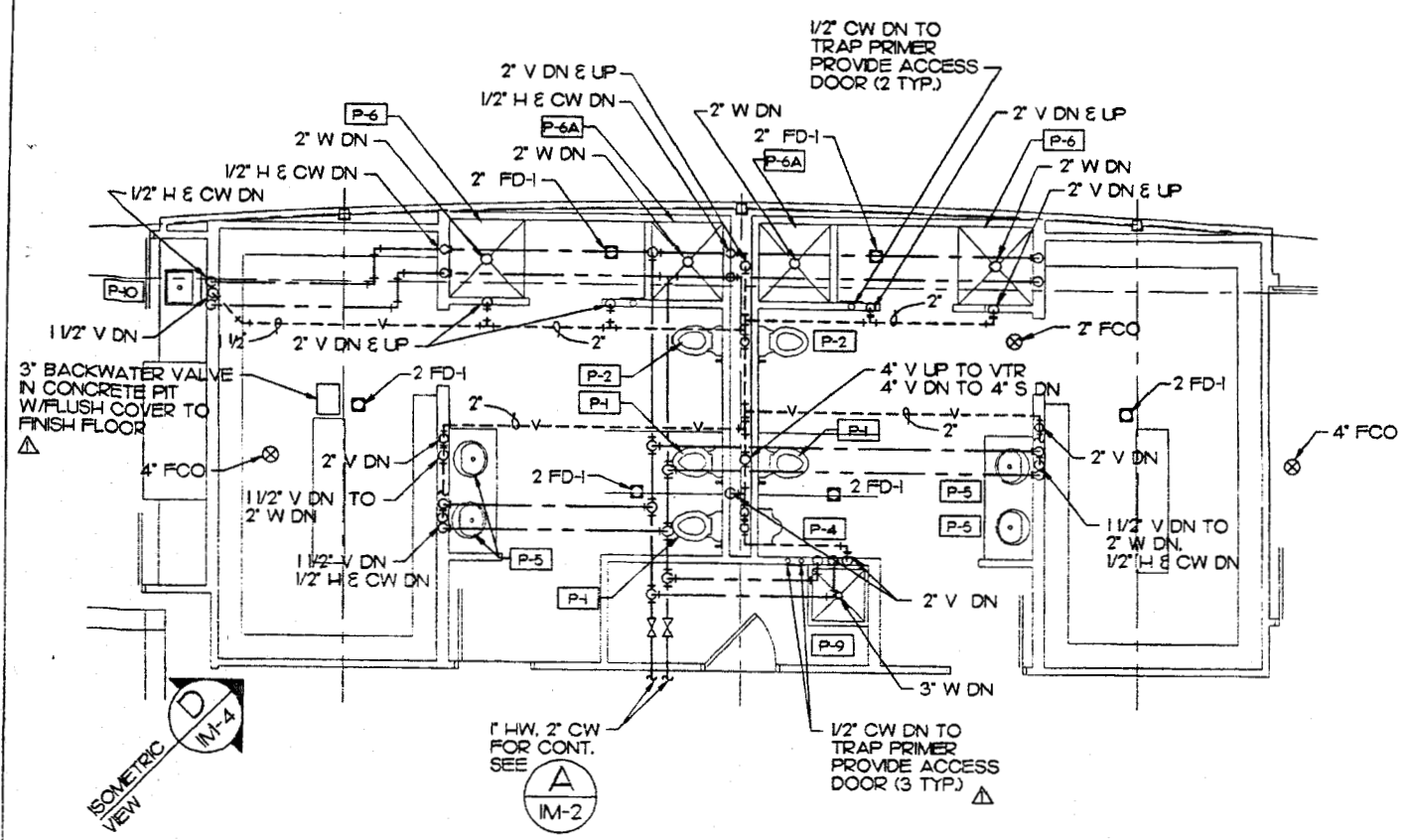
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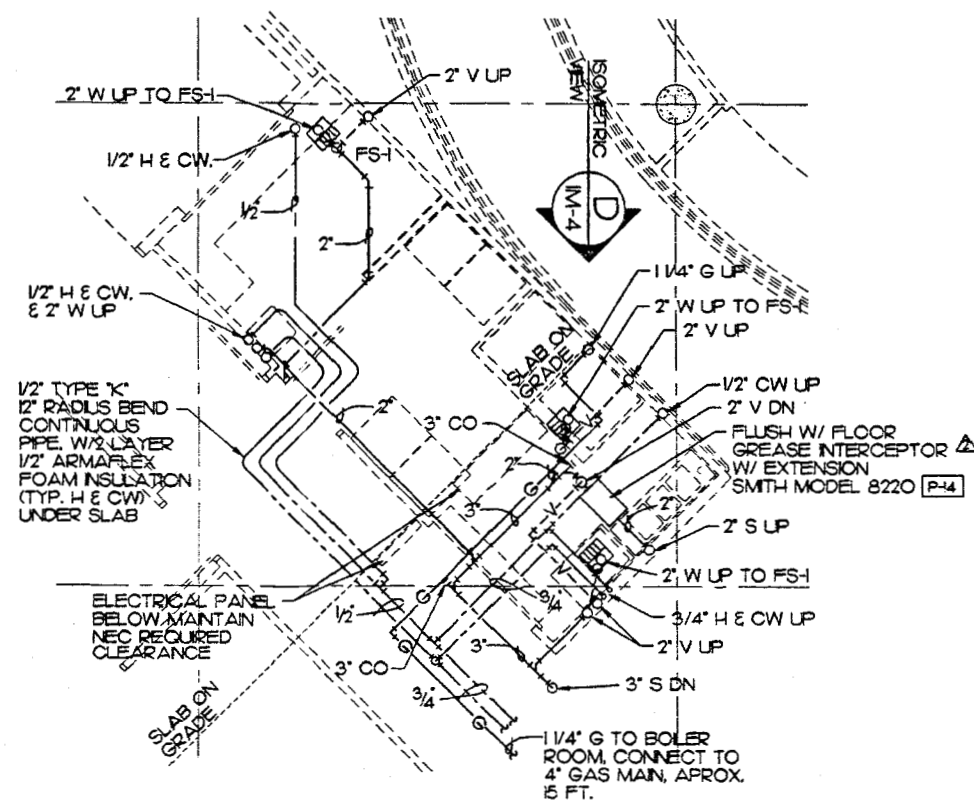
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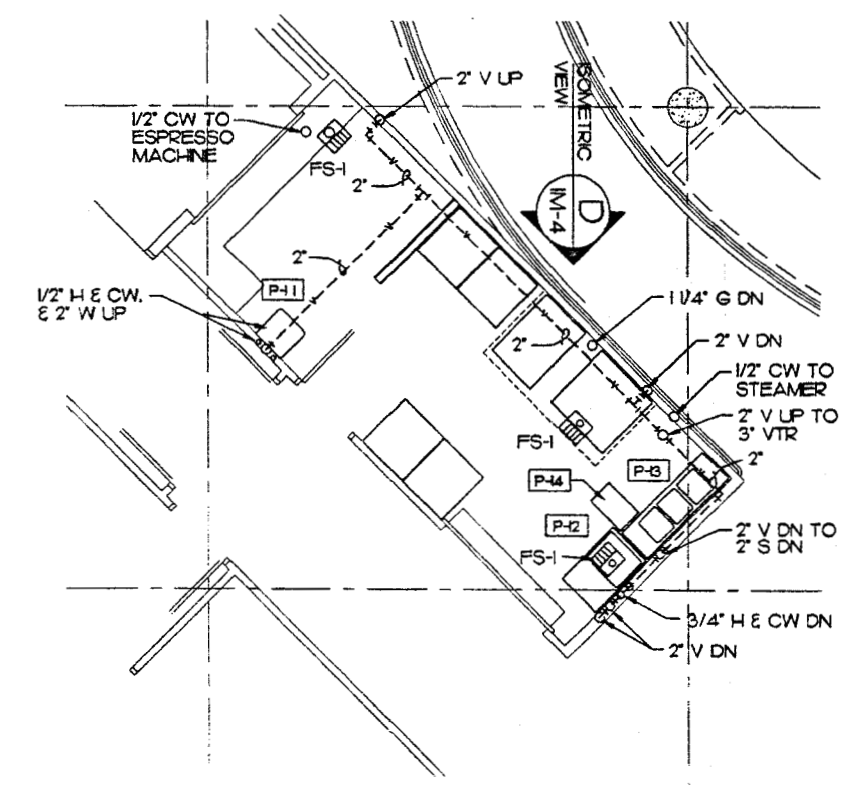
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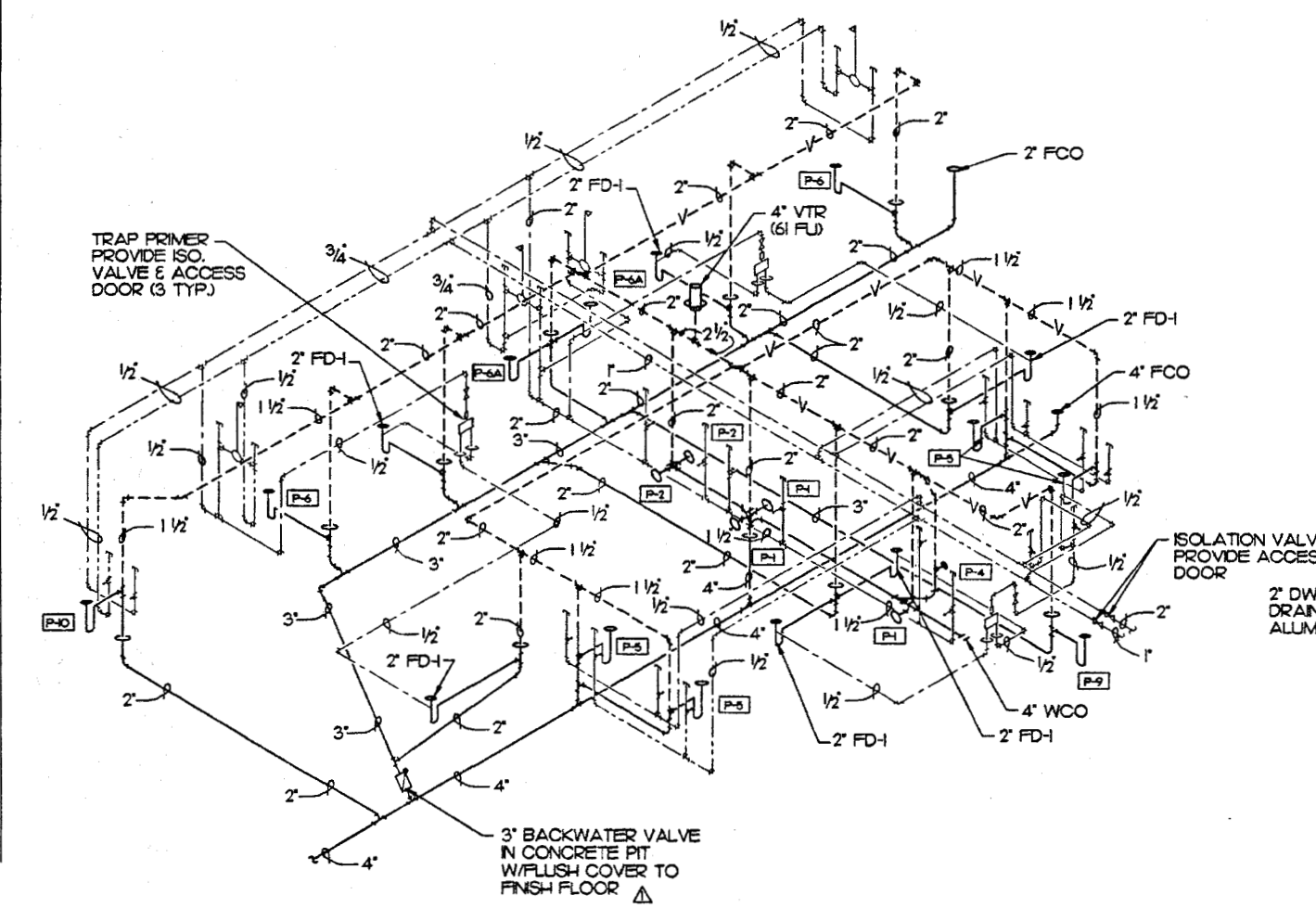
ENLARGED PLUMBING PLAN
 IM-4
 GRAPHIC SCALE: 1/4" = 1'-0"



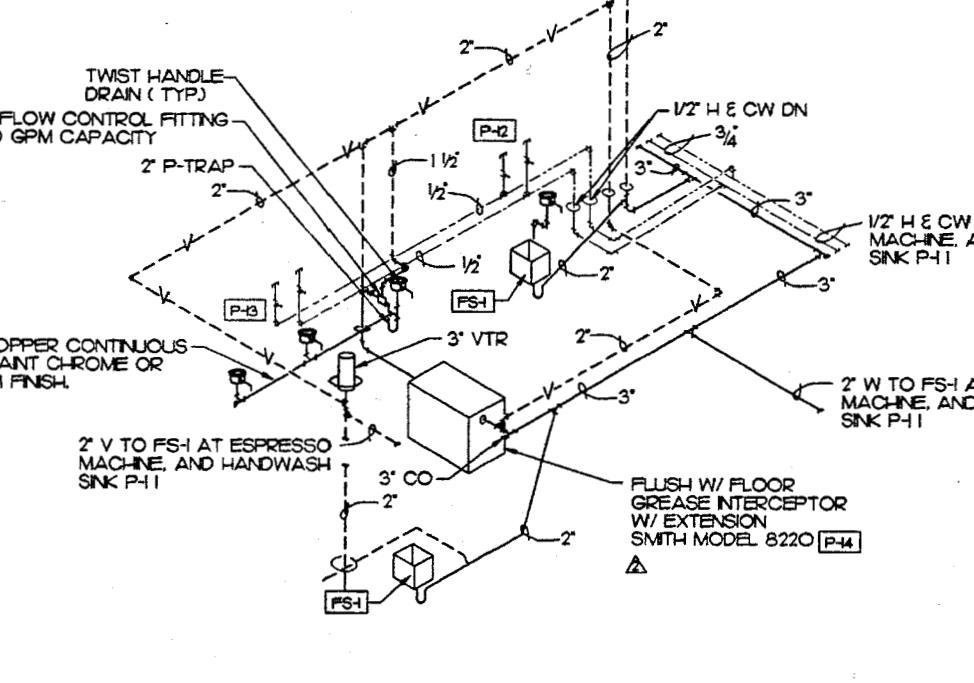
ENLARGED KITCHEN UNDERFLOOR PLAN
 IM-4
 GRAPHIC SCALE: 1/4" = 1'-0"



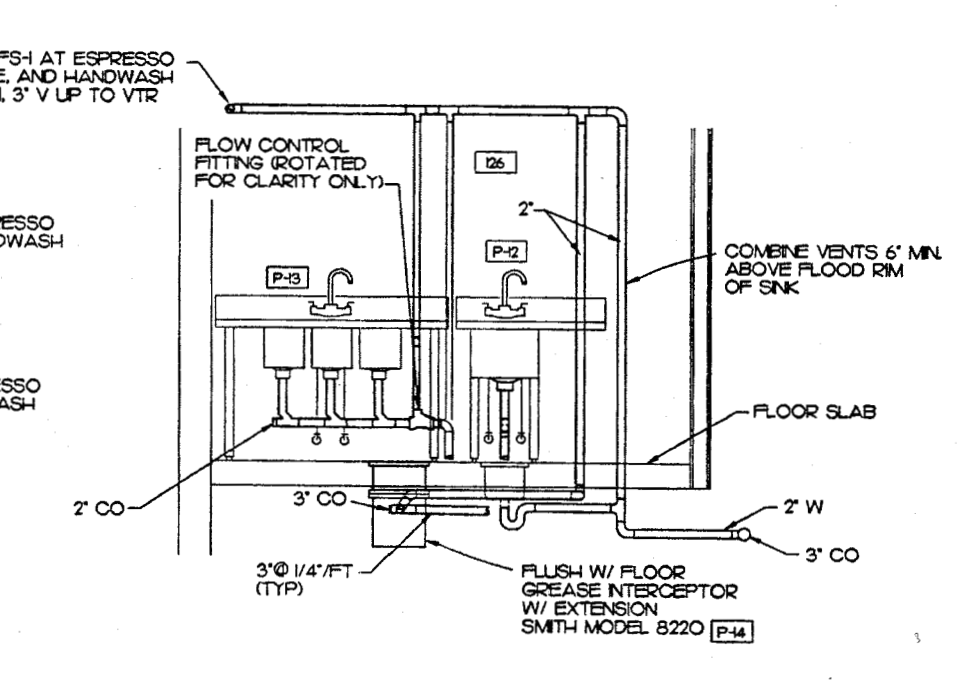
ENLARGED KITCHEN PLUMBING PLAN
 IM-4
 GRAPHIC SCALE: 1/4" = 1'-0"



PLUMBING ISOMETRIC
 IM-4 NO SCALE



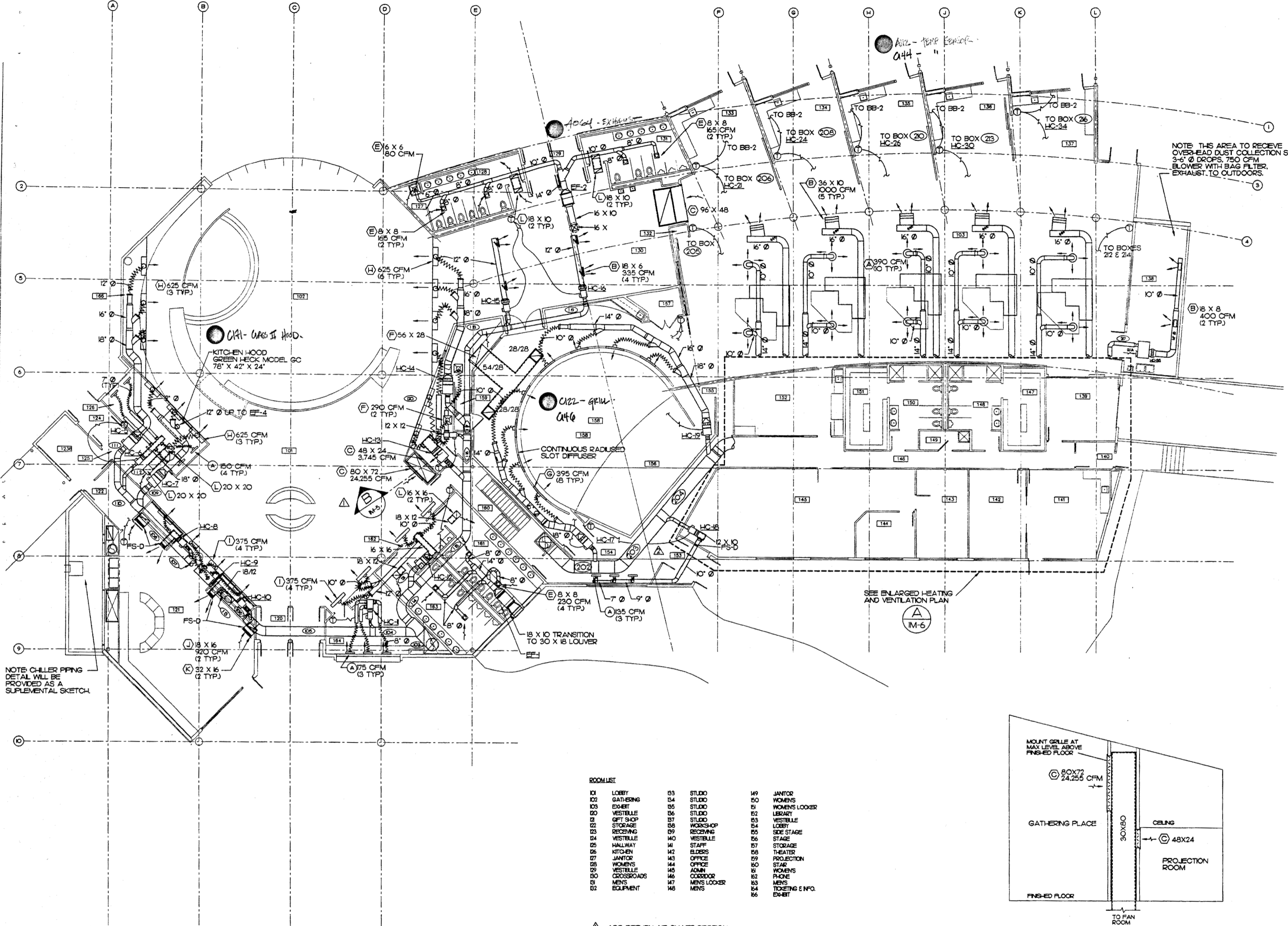
PLUMBING ISOMETRIC
 IM-4 NO SCALE



PIPING DETAIL - RM 126
 IM-4 NO SCALE

- △ CONCRETE FIT W/FLUSH COVER TO FINISH FLOOR
- △ GREASE INTERCEPTOR MODEL NUMBER AND FLOW RESTRICTOR RATE

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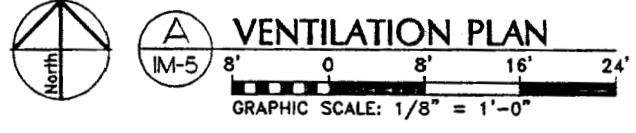
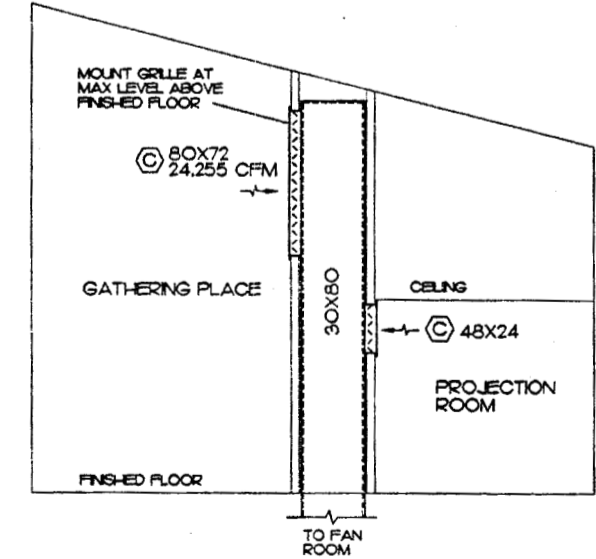
NOTE: THIS AREA TO RECEIVE OVER-HEAD DUST COLLECTION SYSTEM. 3'-4" Ø DROPS, 750 CFM BLOWER WITH BAG FILTER, EXHAUST TO OUTDOORS.

NOTE: CHILLER PIPING DETAIL WILL BE PROVIDED AS A SUPPLEMENTAL SKETCH.

SEE ENLARGED HEATING AND VENTILATION PLAN

| ROOMLIST | | | |
|----------|------------------|----|------------------|
| 01 | LOBBY | 03 | STUDIO |
| 02 | GATHERING | 04 | STUDIO |
| 03 | EXHIBIT | 05 | STUDIO |
| 04 | VESTIBULE | 06 | STUDIO |
| 05 | GIFT SHOP | 07 | STUDIO |
| 06 | STORAGE | 08 | WORKSHOP |
| 07 | RECEIVING | 09 | RECEIVING |
| 08 | VESTIBULE | 10 | VESTIBULE |
| 09 | HALLWAY | 11 | STAFF |
| 10 | KITCHEN | 12 | ELDERS |
| 11 | JANITOR | 13 | OFFICE |
| 12 | WOMEN'S | 14 | OFFICE |
| 13 | VESTIBULE | 15 | ADMIN |
| 14 | CROSSROADS | 16 | CORRIDOR |
| 15 | MEN'S | 17 | MEN'S LOCKER |
| 16 | EQUIPMENT | 18 | MEN'S |
| 19 | JANITOR | 49 | JANITOR |
| 20 | WOMEN'S LOCKER | 50 | WOMEN'S LOCKER |
| 21 | LIBRARY | 51 | LIBRARY |
| 22 | VESTIBULE | 52 | VESTIBULE |
| 23 | LOBBY | 53 | LOBBY |
| 24 | SIDE STAGE | 54 | SIDE STAGE |
| 25 | STAGE | 55 | STAGE |
| 26 | STORAGE | 56 | STORAGE |
| 27 | THEATER | 57 | THEATER |
| 28 | PROJECTION | 58 | PROJECTION |
| 29 | STAR | 59 | STAR |
| 30 | WOMEN'S | 60 | WOMEN'S |
| 31 | PHONE | 61 | PHONE |
| 32 | TICKETING & INFO | 62 | TICKETING & INFO |
| 33 | EXHIBIT | 63 | EXHIBIT |

- ▲ ADD RETURN AIR SHAFT SECTION
- ▲ HC-18 RELOCATED



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA
VENTILATION PLAN

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 ENLARGED VENTILATION PLAN

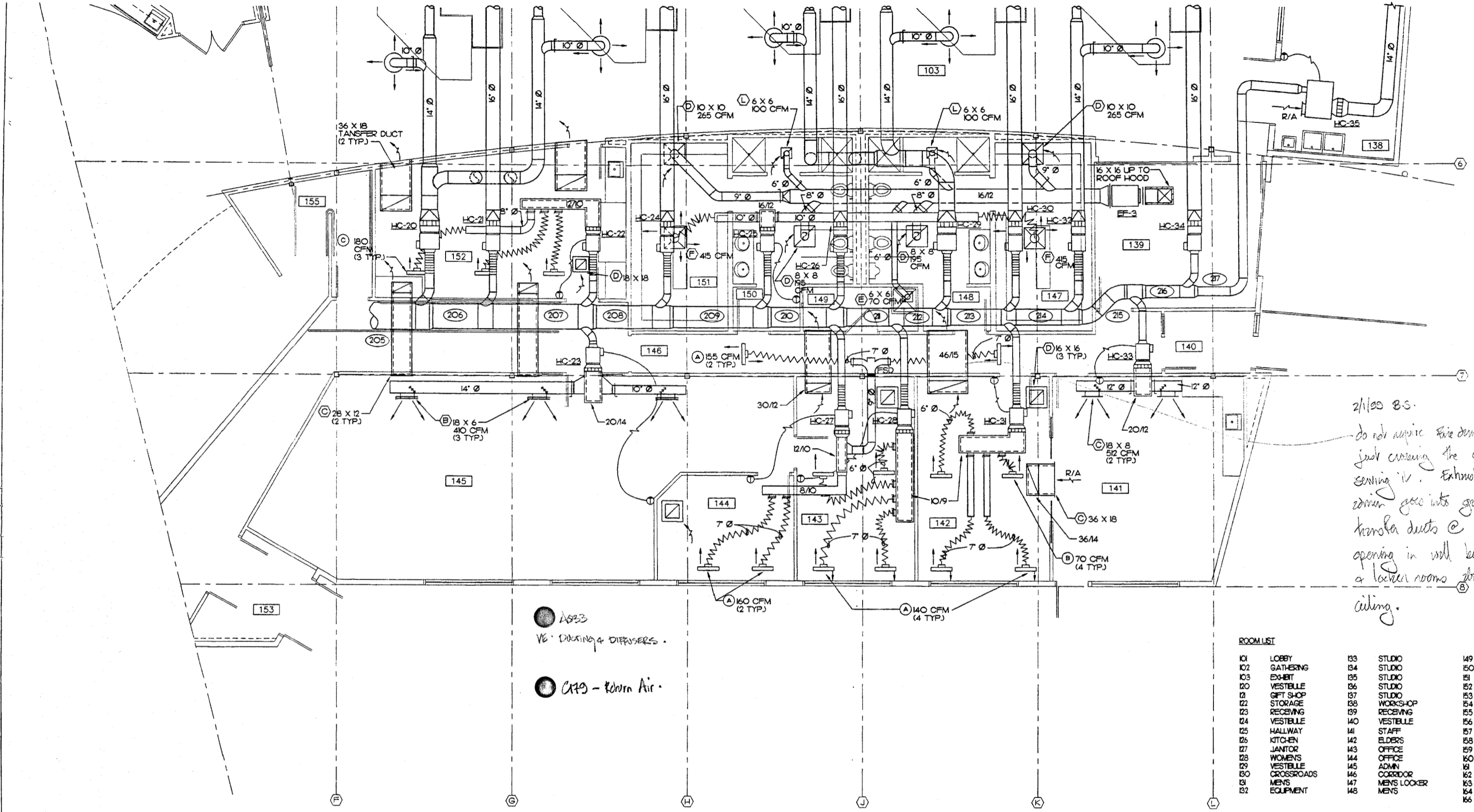
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IM-6

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2/100 BS - do not rip out fire dampers, just covering the corridor, not venting it. Exhaust in from ceiling goes into galleries via transfer ducts @ lobby, need opening in wall between lobby & locker rooms above drop ceiling.

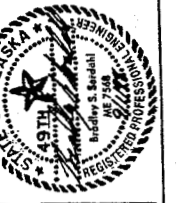
- 18x6 V6 - DUCTING & DIFFUSERS.
- 18x6 - Return Air.

| ROOM LIST | | | |
|-----------|------------|-----|---------------------------|
| 101 | LOBBY | 133 | STUDIO |
| 102 | GATHERING | 134 | STUDIO |
| 103 | EXHIBIT | 135 | STUDIO |
| 104 | VESTIBULE | 136 | STUDIO |
| 105 | GIFT SHOP | 137 | STUDIO |
| 106 | STORAGE | 138 | WORKSHOP |
| 107 | RECEIVING | 139 | SIDE STAGE |
| 108 | VESTIBULE | 140 | VESTIBULE |
| 109 | HALLWAY | 141 | STAFF |
| 110 | KITCHEN | 142 | ELDER'S |
| 111 | JANITOR | 143 | OFFICE |
| 112 | WOMEN'S | 144 | OFFICE |
| 113 | VESTIBULE | 145 | ADMIN |
| 114 | CROSSROADS | 146 | CORRIDOR |
| 115 | MEN'S | 147 | MEN'S LOCKER |
| 116 | EQUIPMENT | 148 | MEN'S |
| 117 | | 149 | JANITOR |
| 118 | | 150 | WOMEN'S |
| 119 | | 151 | WOMEN'S LOCKER |
| 120 | | 152 | LIBRARY |
| 121 | | 153 | VESTIBULE |
| 122 | | 154 | LOBBY |
| 123 | | 155 | SIDE STAGE |
| 124 | | | STAGE |
| 125 | | | STORAGE |
| 126 | | | THEATER |
| 127 | | | PROJECTION |
| 128 | | | STAIR |
| 129 | | | WOMEN'S |
| 130 | | | PHONE |
| 131 | | | MEN'S |
| 132 | | | TICKETING & INFO. EXHIBIT |

ENLARGED VENTILATION PLAN
 GRAPHIC SCALE: 1/4" = 1'-0"

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN

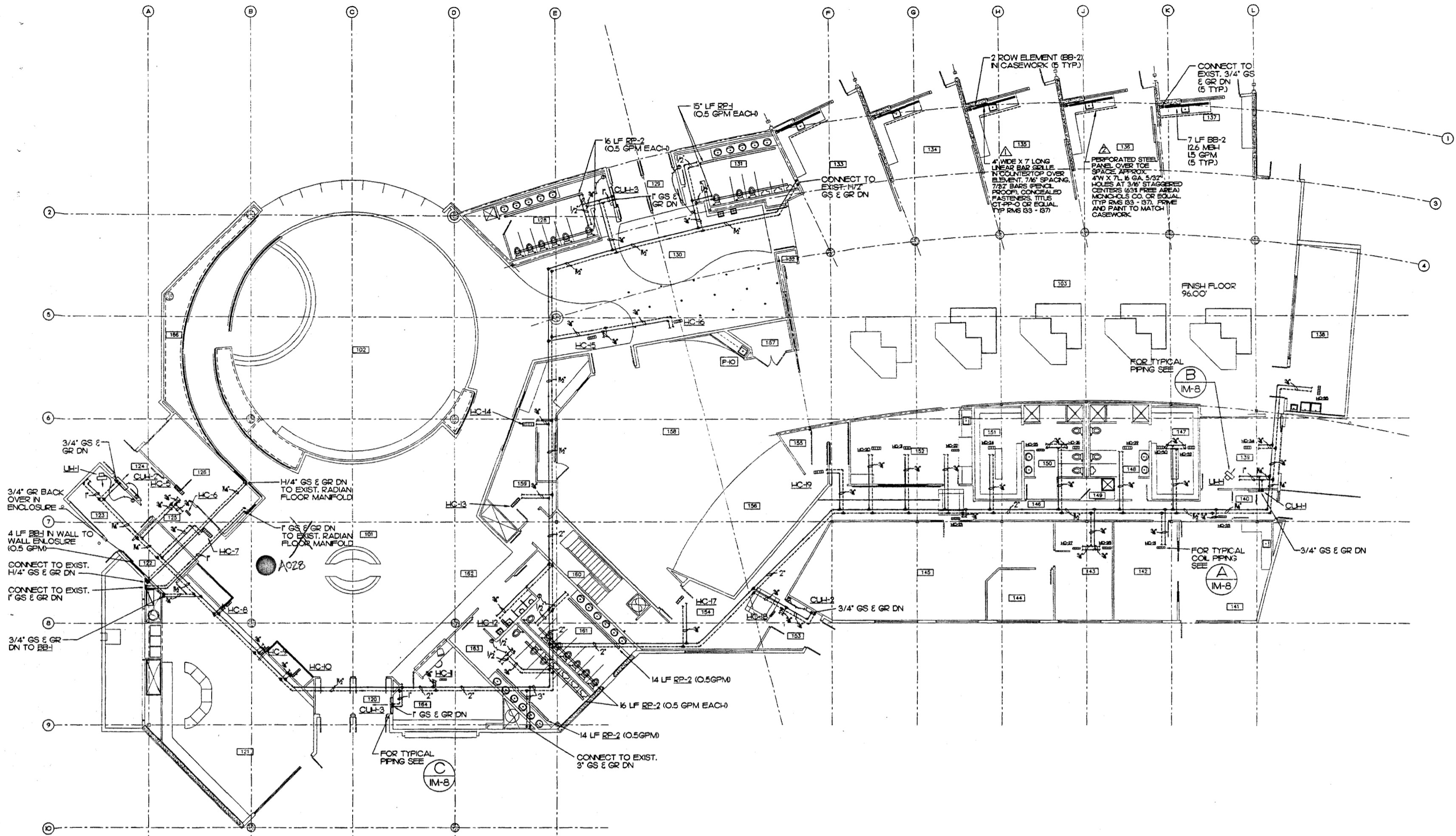
ANCHORAGE, ALASKA
 HEATING PLAN

Revisions

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Date 09/01/98
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 Checked BSS
 Job No. 95023

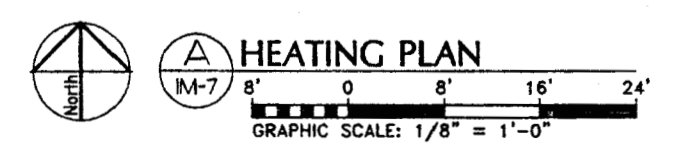
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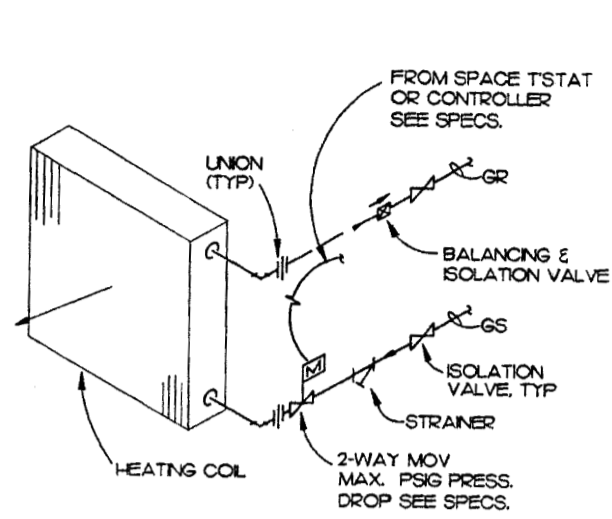
| | | |
|---------------|----------------|----------------------|
| 01 LOBBY | 33 STUDIO | 49 JANITOR |
| 02 GATHERING | 34 STUDIO | 50 WOMENS LOCKER |
| 03 EXHIBIT | 35 STUDIO | 51 WOMENS LOCKER |
| 04 VESTIBULE | 36 STUDIO | 52 LIBRARY |
| 05 GIFT SHOP | 37 STUDIO | 53 VESTIBULE |
| 06 STORAGE | 38 WORKSHOP | 54 LOBBY |
| 07 RECEIVING | 39 RECEIVING | 55 SIDE STAGE |
| 08 VESTIBULE | 40 VESTIBULE | 56 STAGE |
| 09 HALLWAY | 41 STAFF | 57 STORAGE |
| 10 KITCHEN | 42 ELDER | 58 THEATER |
| 11 JANITOR | 43 OFFICE | 59 PROJECTION |
| 12 WOMENS | 44 OFFICE | 60 STAR |
| 13 VESTIBULE | 45 ADMIN | 61 WOMENS |
| 14 CROSSROADS | 46 CORRIDOR | 62 PHONE |
| 15 MENS | 47 MENS LOCKER | 63 MENS |
| 16 EQUIPMENT | 48 MENS | 64 TICKETING & INFO. |
| | | 66 EXHIBIT |

- ▲ ADD LINEAR BAR GRILLE IN COUNTERTOP
- ▲ ADD PERFORATED STEEL PANELS

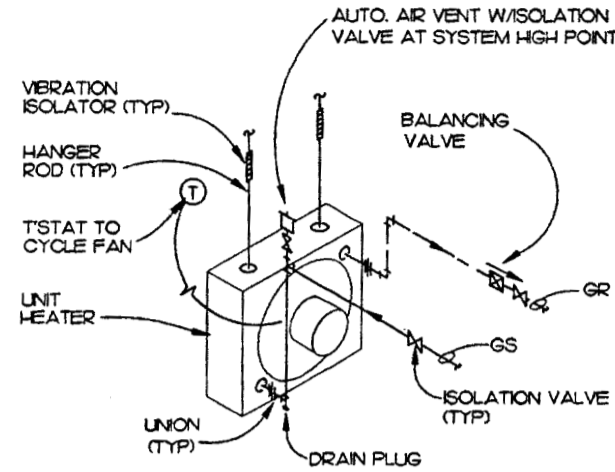


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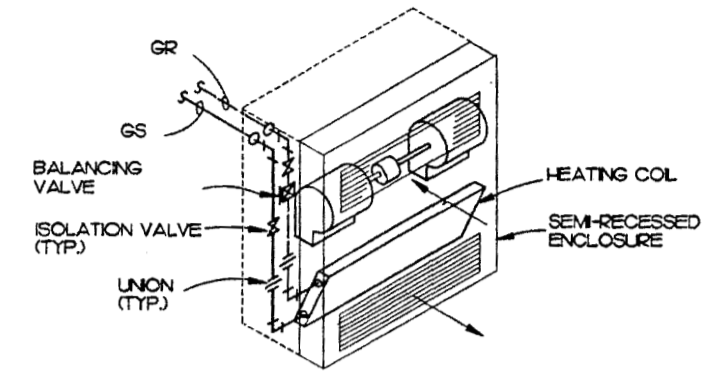
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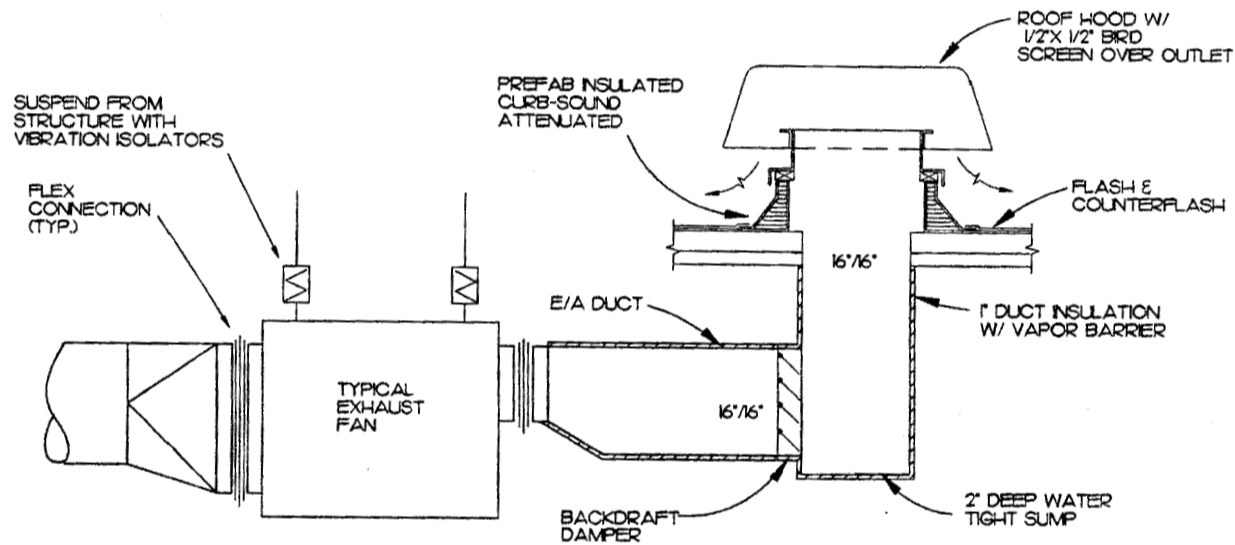
A 2-WAY VALVE COIL DETAIL
IM-8 NO SCALE



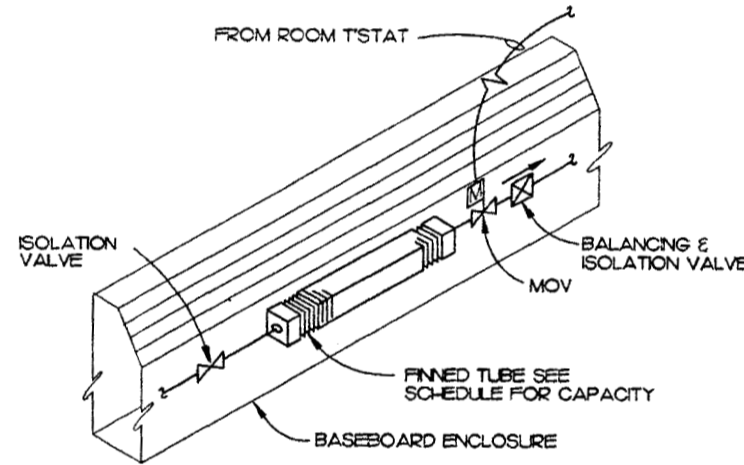
B HORIZ. UNIT HEATER DETAIL
IM-8 NO SCALE



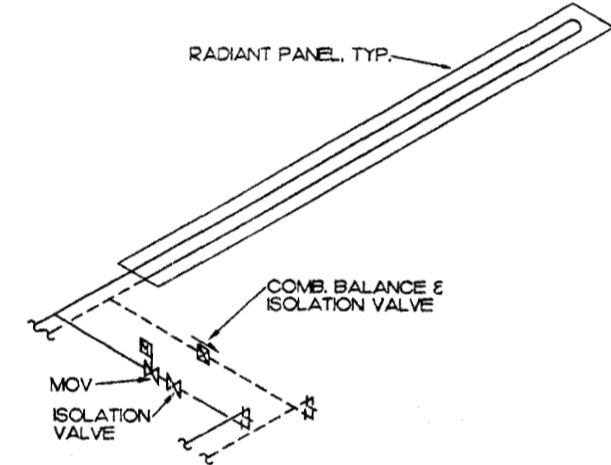
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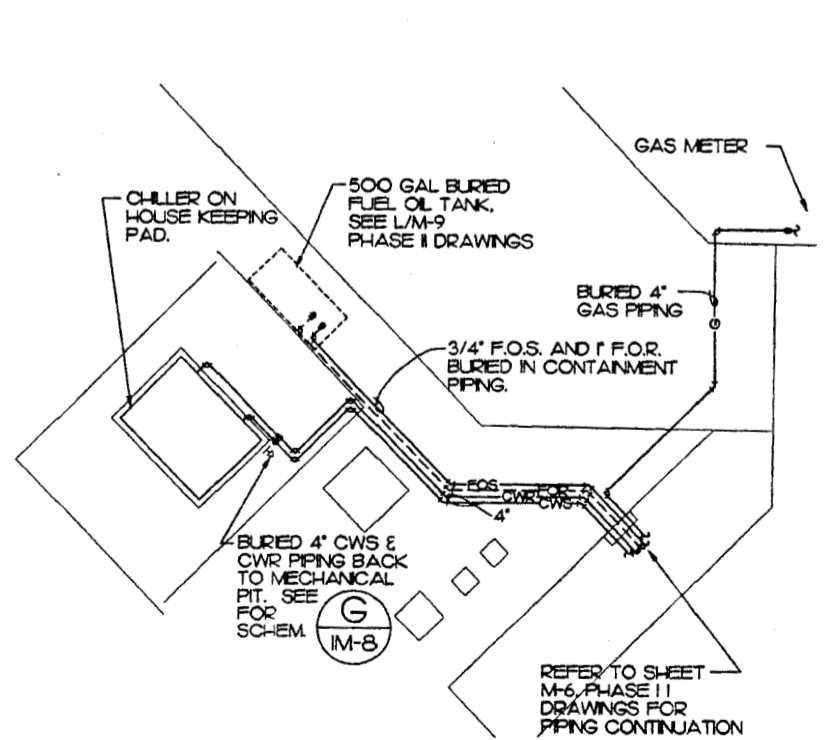
D EXHAUST FAN DETAIL
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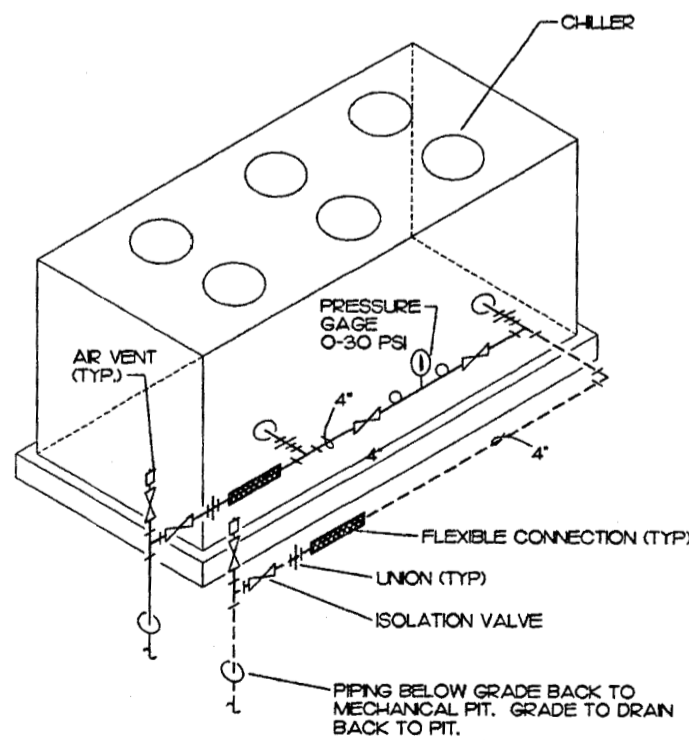
E BASEBOARD PIPING DETAIL
IM-8 NO SCALE



F RADIANT PANEL PIPING DETAIL
IM-8 NO SCALE



G UTILITY SCHEMATIC
IM-8 SCALE 1" = 10'-0"



H BASEBOARD PIPING DETAIL
IM-8 NO SCALE

ADD SCHEMATIC
ADD DETAIL

SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN

ANCHORAGE, ALASKA
MECHANICAL DETAILS

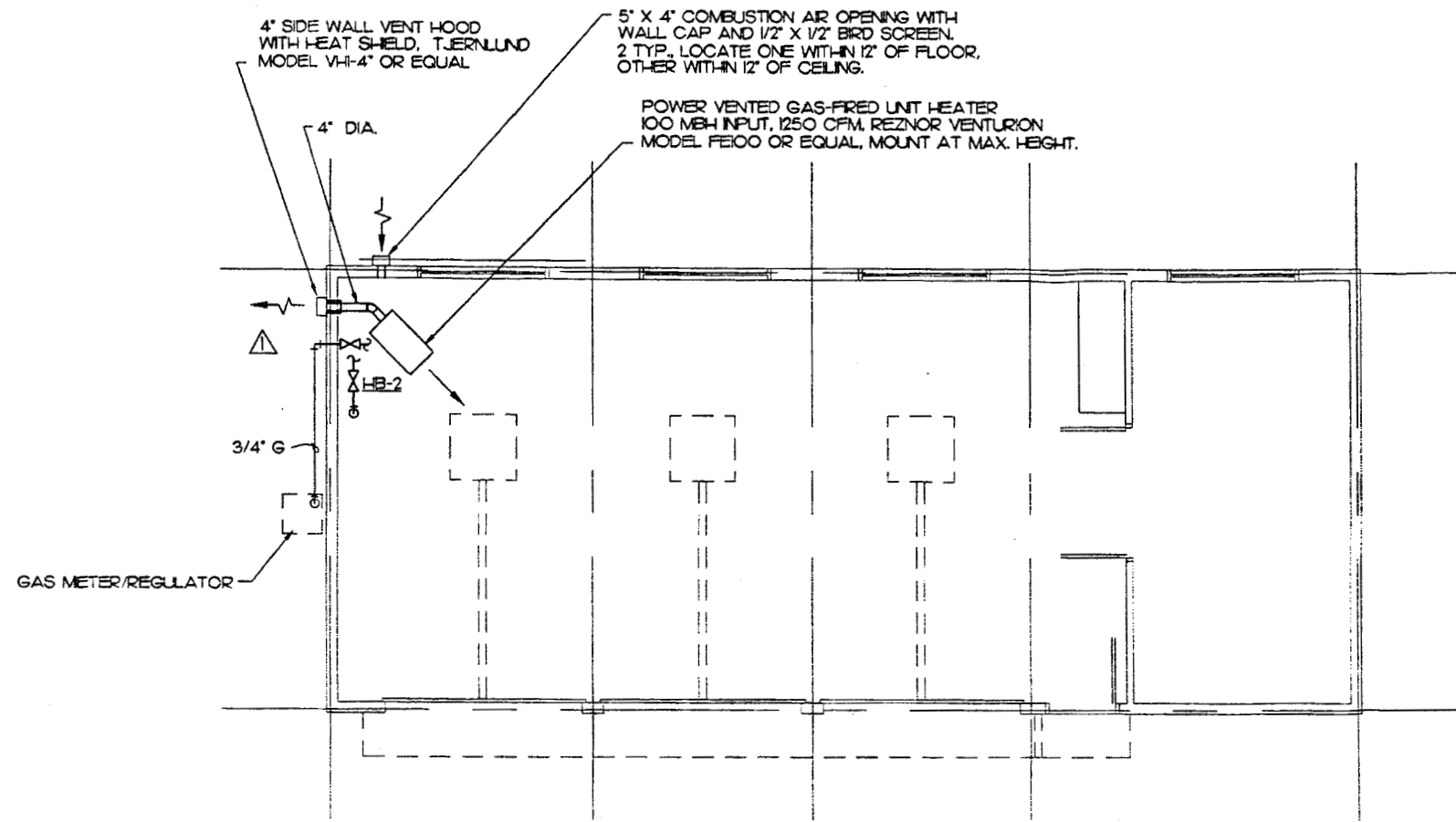
Revisions

CONFORMED DRAWINGS

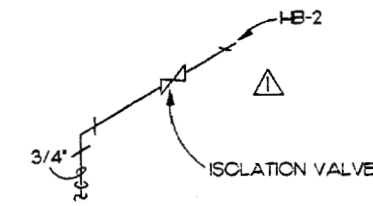
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Checked: BSS/ATR
Job No.: 95023
Sheet No.:

IM-8

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A MAINTENANCE BUILDING FLOOR PLAN
IM-9 SCALE: 1/4" = 1'-0"



B WATER SERVICE ENTRY DETAIL
IM-9 SCALE: NO SCALE

▲ MODIFICATION TO WATER SERVICE ENTRY

DWG Name: JASDW:5003_IM9.dwg



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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANCHORAGE, ALASKA
MAINTENANCE BUILDING PLAN AND DETAILS

Revisions

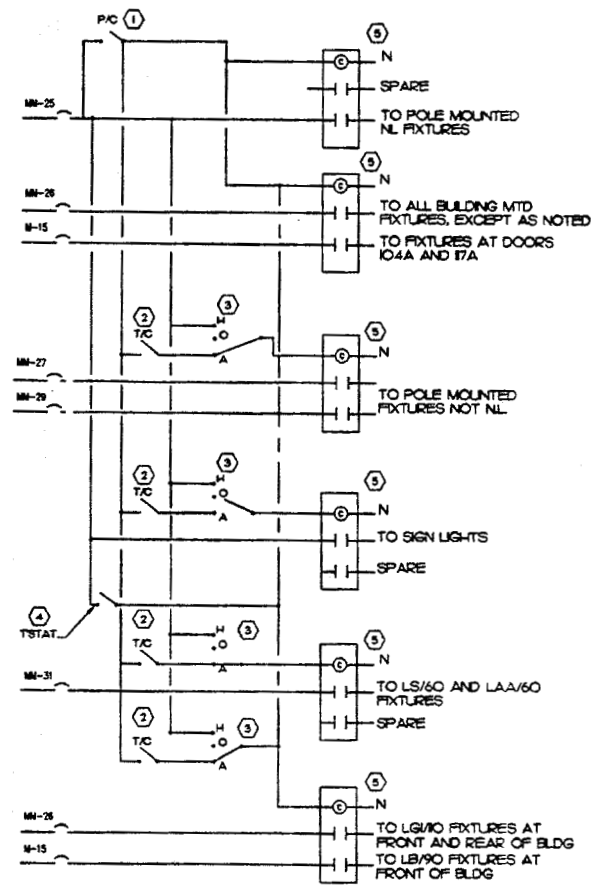
CONFORMED DRAWINGS

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Job No.: 95023

Sheet No.

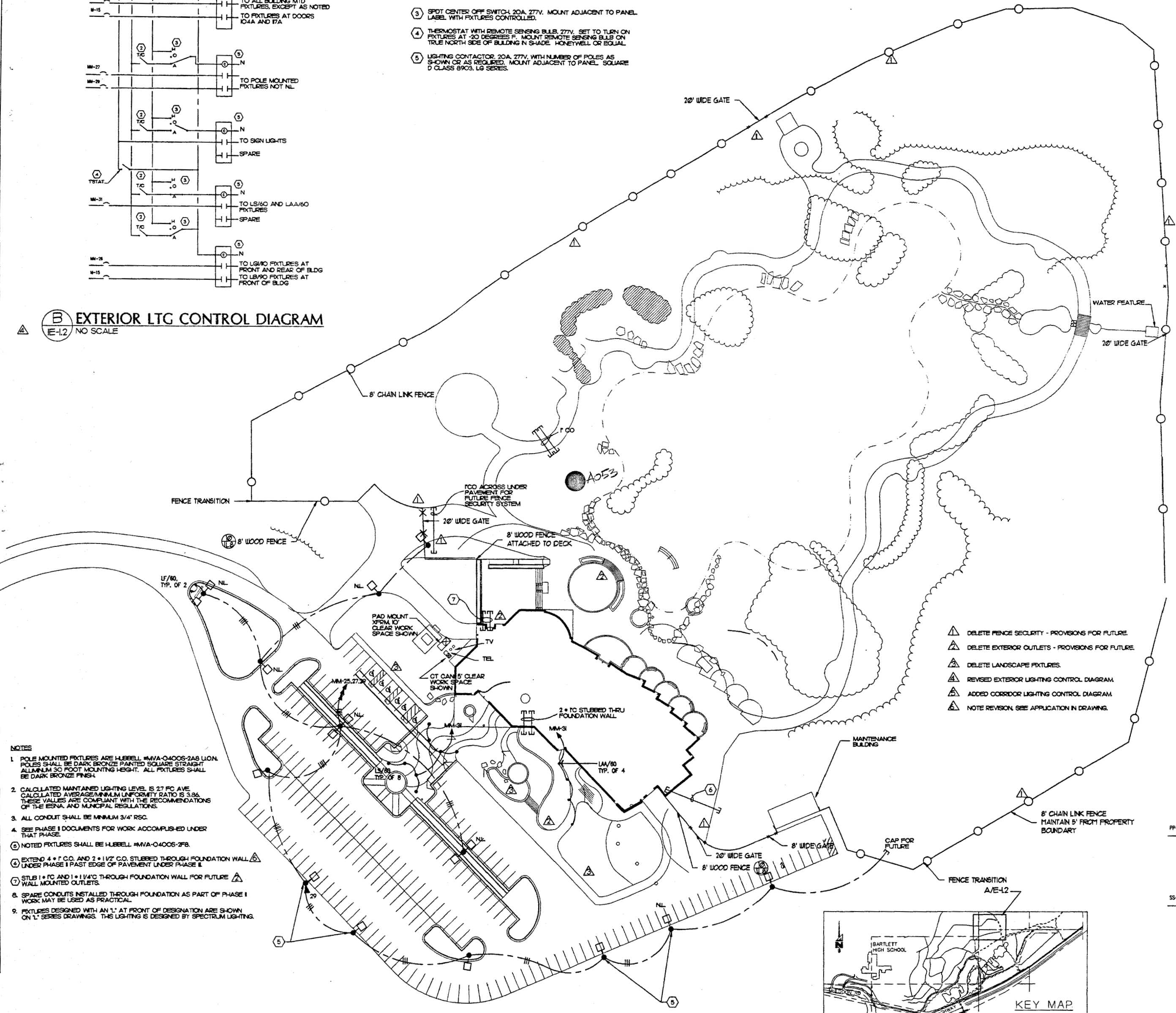
IM-9

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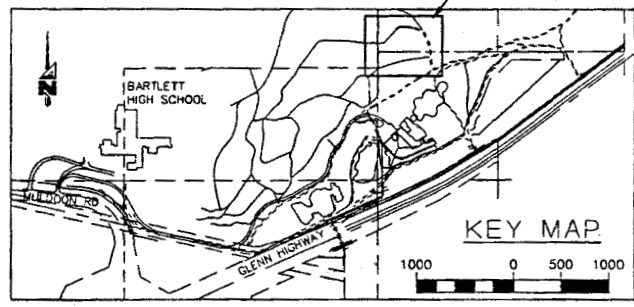
- CONTROL DIAGRAM NOTES**
- PHOTOCELL, 277V, 800 VA, ADJUSTABLE. MOUNT ON WEST WALL UNDER EAVE FACING NORTH. TORX #204.
 - 7 DAY TIME CLOCK, 20A, 277V, SINGLE CHANNEL, SPST, WITH BATTERY BACKUP. TORX #5WQ-3, MOUNT ADJACENT TO PANEL.
 - SPST CENTER OFF SWITCH, 20A, 277V. MOUNT ADJACENT TO PANEL LABEL, WITH FIXTURES CONTROLLED.
 - THERMOSTAT WITH REMOTE SENSING BULB, 277V. SET TO TURN ON FIXTURES AT 20 DEGREES F. MOUNT REMOTE SENSING BULB ON TRUE NORTH SIDE OF BUILDING IN SHADE. HONEYWELL OR EQUAL.
 - LIGHTING CONTACTOR, 20A, 277V, WITH NUMBER OF POLES AS SHOWN OR AS REQUIRED. MOUNT ADJACENT TO PANEL. SQUARE D CLASS 8903, LG SERIES.

(B) EXTERIOR LTG CONTROL DIAGRAM
E-12 NO SCALE



- NOTES**
- POLE MOUNTED FIXTURES ARE HUBBELL #MVA-0400S-2AS LION. POLES SHALL BE DARK BRONZE PAINTED SQUARE STRAIGHT ALUMINUM 30 FOOT MOUNTING HEIGHT. ALL FIXTURES SHALL BE DARK BRONZE FINISH.
 - CALCULATED MAINTAINED LIGHTING LEVEL IS 27 FC AVE. CALCULATED AVERAGE MINIMUM UNIFORMITY RATIO IS 3.86. THESE VALUES ARE COMPLIANT WITH THE RECOMMENDATIONS OF THE IESNA AND MUNICIPAL REGULATIONS.
 - ALL CONDUIT SHALL BE MINIMUM 3/4" RSC.
 - SEE PHASE I DOCUMENTS FOR WORK ACCOMPLISHED UNDER THAT PHASE.
 - NOTED FIXTURES SHALL BE HUBBELL #MVA-0400S-3FB.
 - EXTEND 4" x 7" C.O. AND 2" x 1 1/2" C.O. STUBBED THROUGH FOUNDATION WALL UNDER PHASE I FAST EDGE OF PAVEMENT UNDER PHASE II.
 - STUB 1" x 7" C.O. AND 1" x 1 1/2" C.O. THROUGH FOUNDATION WALL FOR FUTURE.
 - SPARE CONDUITS INSTALLED THROUGH FOUNDATION AS PART OF PHASE I WORK MAY BE USED AS PRACTICAL.
 - FIXTURES DESIGNED WITH AN 'L' AT FRONT OF DESIGNATION ARE SHOWN ON 'L' SERIES DRAWINGS. THIS LIGHTING IS DESIGNED BY SPECTRUM LIGHTING.

- DELETE FENCE SECURITY - PROVISIONS FOR FUTURE.
- DELETE EXTERIOR OUTLETS - PROVISIONS FOR FUTURE.
- DELETE LANDSCAPE FIXTURES.
- REVISED EXTERIOR LIGHTING CONTROL DIAGRAM.
- ADDED CORRIDOR LIGHTING CONTROL DIAGRAM.
- NOTE REVISION, SEE APPLICATION IN DRAWING.

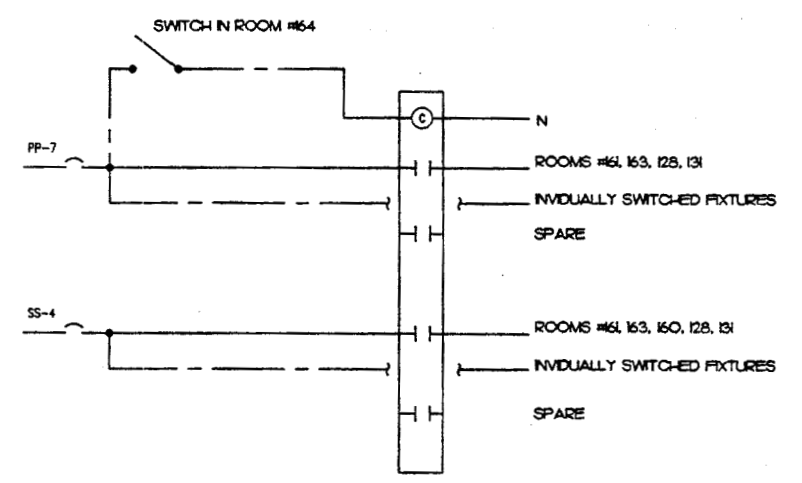


GRAPHIC SCALE: 1" = 40'

(A) SITE PLAN
E-12 SCALE: 1" = 40'

| ABBR. | EXPLANATION | SYMBOL |
|-------|--|--------|
| NIC | NOT IN CONTRACT | |
| IGC | IN GENERAL CONSTRUCTION | |
| UCN | UNLESS OTHERWISE NOTED | |
| A/100 | LIGHTING FIXTURE DESIGNATION - SEE SCHEDULE | |
| ETR | EXISTING TO REMAIN | |
| N.L. | NIGHT LIGHT | |
| WP | WATERPROOF | |
| E | EMERGENCY LIGHT, CIRCUIT, PANEL | |
| C | CONDUIT, CONCEALED, SIZE AS NOTED (TYP.) | |
| | CONDUIT, UNDERGROUND OR UNDERFLOOR | |
| | CONDUIT, EXPOSED | |
| FLEX | CONDUIT, FLEXIBLE | |
| | MULTI-OUTLET ASSEMBLY-RECEPTACLES AS INDICATED | |
| | HOWEVER TO PANEL/CIRCUITS AS NOTED | |
| | WIRE COUNT OF # 12 UGW/SPECIFIED | |
| | CONDUIT UP | |
| | CONDUIT DOWN | |
| | PANELBOARD - SEE SCHEDULES | |
| | REFER TO INDICATED NOTE | |
| | TELEPHONE/COMM/DATA OUTLET | |
| | DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE - NEMA 5-20R GFCI TYPE | |
| | ISOLATED GRD DUPLEX RECEPTACLE - NEMA 5-20R | |
| | DUPLEX RECEPTACLE IN FLOOR BOX | |
| | RECEPTACLE - NEMA CONFIGURATION AS NOTED | |
| | TELEVISION RECEPTACLE | |
| | JUNCTION BOX | |
| | SINGLE PHASE MOTOR - SIZE AS INDICATED | |
| | THREE PHASE MOTOR - SIZE AS INDICATED | |
| | MOTOR CONTROLLER | |
| | MOTOR DISCONNECT | |
| | COMBINATION STARTER/DISCONNECT | |
| XFMR | TRANSFORMER | |
| SW | SWITCH - SINGLE POLE | |
| | SWITCH - TWO POLE | |
| | SWITCH - THREE WAY | |
| | SWITCH - FOUR WAY | |
| | SWITCH - DIMMING TYPE | |
| | SWITCH - WITH PILOT LIGHT | |
| | SWITCH - THERMAL OVERLOAD | |
| | SWITCH - KEY OPERATION | |
| | SWITCH - LOW VOLTAGE | |
| | PHOTOELECTRIC TYPE SMOKE DETECTOR | |
| | IONIZATION TYPE SMOKE DETECTOR | |
| | HEAT DETECTOR - F INDICATES FIXED TEMP ONLY | |
| | RESIDENTIAL TYPE SMOKE DETECTOR | |
| | DUCT MOUNTED SMOKE DETECTOR | |
| | FIRE ALARM HORN/STROBE | |
| | FIRE ALARM STROBE | |
| | WEATHERPROOF FIRE ALARM HORN | |
| | FIRE ALARM MANUAL STATION | |
| FACP | FIRE ALARM CONTROL PANEL | |
| FAA | FIRE ALARM GRAPHIC ANNUNCIATOR | |
| | PUSHBUTTON SWITCH | |
| TTB/C | TELEPHONE TERMINAL BOARD/CABINET | |
| STBY | STANDBY CIRCUIT | |
| PC | PHOTOCELL | |
| TC | TIMECLOCK | |
| | CLOCK | |
| | COMBINATION CLOCK/SPEAKER | |
| | MAGNETIC DOOR SWITCH | |
| | SECURITY ALARM PANEL | |
| | SECURITY KEYPAD | |
| | MAGNETIC DOOR HOLDER | |
| | FIRE ALARM STROBE/SPEAKER | |
| | SPEAKER ASSEMBLY - CEILING MOUNTED | |
| | WALL MOUNTED SPEAKER ASSEMBLY | |
| | MICROPHONE OUTLET | |
| CH | COMM/DATA CABLE HANGER ROUTE | |
| SMR | SURFACE METAL RACEWAY | |
| | COMBINATION SPEAKER/CALL-IN SWITCH | |
| CCTV | CLOSED-CIRCUIT TELEVISION CAMERA | |
| | EXIT SIGN - SELF POWERED | |
| | BATTERY-POWERED EMERGENCY LIGHT | |
| | LIGHTING FIXTURES - VARIOUS TYPES AS NOTED | |
| | SHADING INDICATES EMERGENCY LIGHTING FIXTURE | |
| | DIAGONAL LINE INDICATES STANDBY FIXTURE | |

THIS IS A STANDARD LEGEND. SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.



(C) CORRIDOR LIGHTING CONTROL DIAGRAM
E-12 NO SCALE

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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANHC ANCHORAGE, ALASKA

PARKING LOT LIGHTING PLAN AND LEGEND

CONFORMED DRAWINGS

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Drawn: TLC
Checked: M.L.
Job No.: 95023

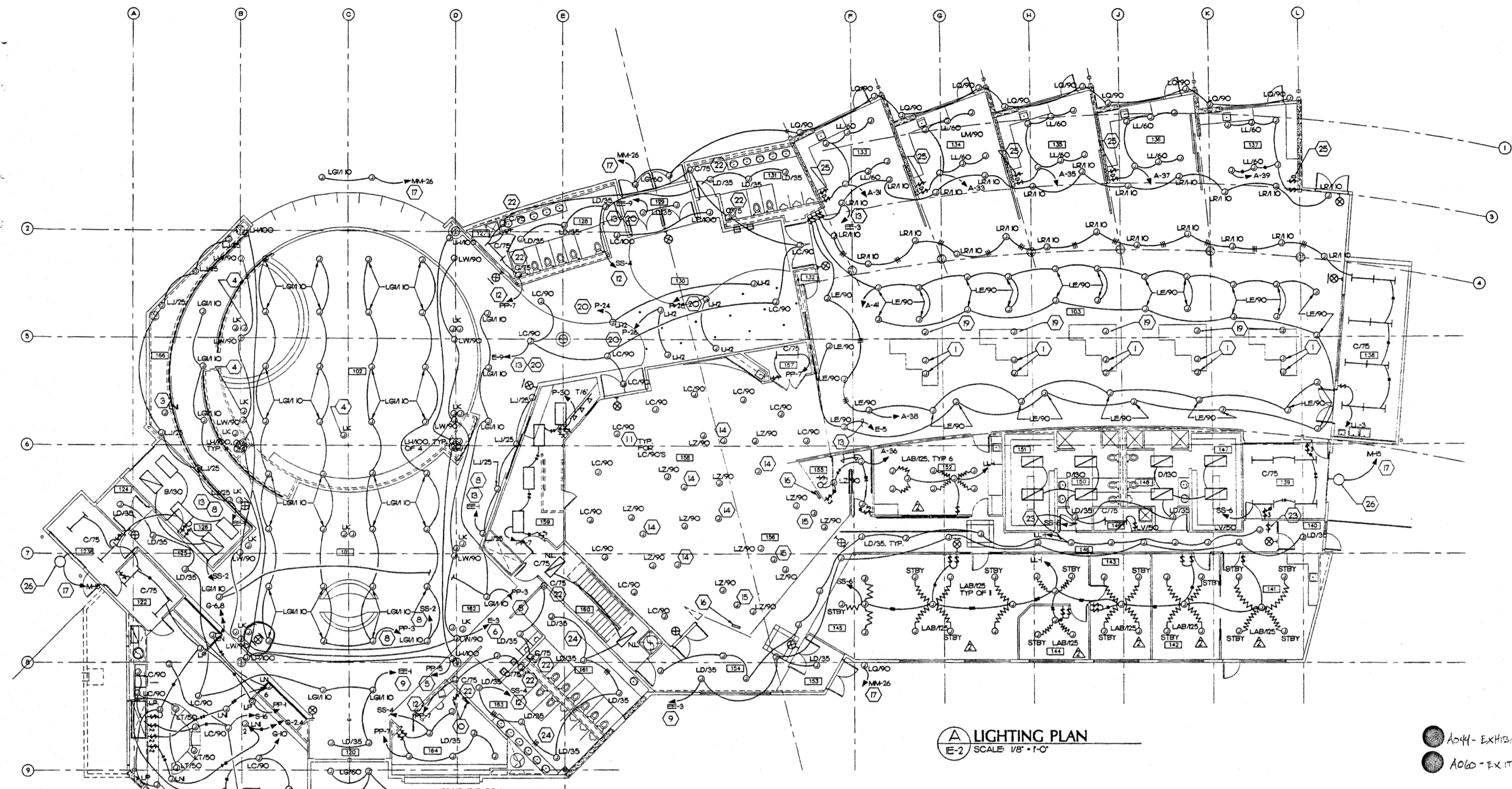
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANCHORAGE, ALASKA
LIGHTING PLAN



A LIGHTING PLAN
E-2 SCALE 1/8" = 1'-0"

● A044 - EXHIBIT LIGHTING
● A060 - EXHIBIT SIGNAGE EXHIBIT

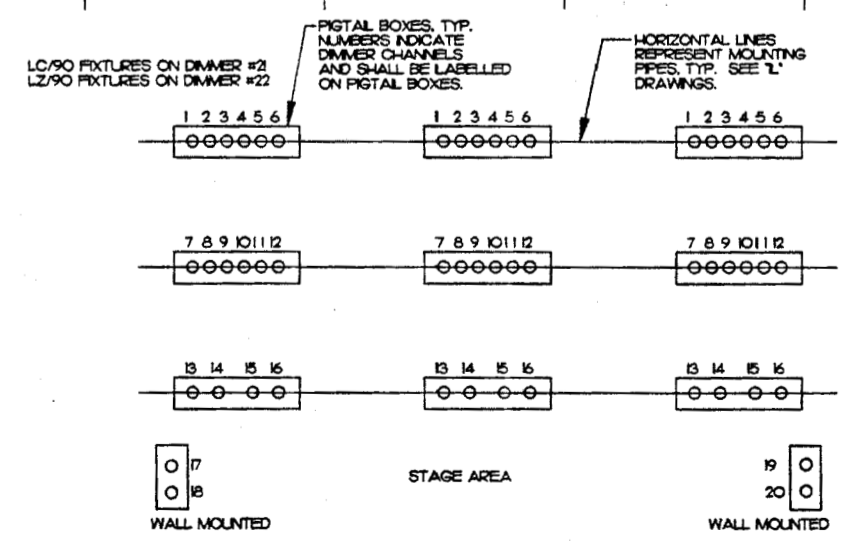
NOTES

1. EACH JUNCTION BOX GRAPHICALLY SHOWN DENOTES FIVE JUNCTION BOXES FOR CONNECTION OF TRACK LIGHTS. SEE 'L' SERIES DRAWINGS FOR TRACK LOCATIONS. EACH TRACK SHALL BE CONTROLLED BY A SEPARATE DIMMER CHANNEL. DIMMING RACK AND CONTROLLER SHALL BE IN ROOM 159. PROVIDE AN ADDITIONAL LCD TYPE CONTROLLER IN ROOM 103. EXACT LOCATION TO BE DETERMINED BY ARCHITECT AND EXHIBIT DESIGNER.
2. FIXTURES DESIGNATED WITH AN 'L' PREFIX AND SHOWN AS JUNCTION BOXES ARE SHOWN ON 'L' SERIES DRAWINGS. SEE 'L' SERIES DRAWINGS FOR SCHEDULE OF THESE FIXTURES AND EXACT LOCATIONS.
3. SWITCH WITH TYPE LK TRACK NORTH OF GRID 6 THRU CONTACTOR CONTROLLED BY SWITCH IN ROOM 164.
4. NOTED TRACK SHALL BE CONNECTED TO DIMMER RACK IN ROOM 159. ONE DIMMER CHANNEL PER TRACK CIRCUIT. EXCEPT FOUR CHANNELS FOR TRACK AT GRID 6/C. CONTROLLER LOCATED IN ROOM 164.
5. REMOTE MOUNT BALLASTS ABOVE ACCESSIBLE CEILING SPACE. PROVIDE CONTROL FROM SWITCH IN ROOM 164.
6. PAINT CONDUIT TO MATCH GULLAMS. VERIFY COLOR WITH ARCHITECT. USE SHALLOW BOXES PAINTED BLACK. CONNECT THROUGH LUGS TRANSFER SWITCH SUCH THAT FIXTURES OPERATE ONLY ON LOSS OF NORMAL POWER. THIS APPLIES TO LW/90 FIXTURES IN ROOMS 101 AND 102.
7. FOR ALL TYPE LK FIXTURES, AND TYPE LN NOTED BY NOTE (3) POWER SHALL BE RUN IN EMT PAINTED TO MATCH GULLAMS. VERIFY COLOR WITH ARCHITECT.
8. PROVIDE CONTROL SWITCH IN ROOM 164. EACH HOMERUN WITH THIS NOTE SHALL BE SEPARATELY SWITCHED.
9. NIGHT LIGHT CIRCUIT.
10. PROVIDE SWITCH FOR SWITCHED CORRIDOR LIGHTING, AND DIMMER CONTROL FOR ROOMS 101 AND 102. SEE SPECIFICATION SECTION 1655 FOR INFORMATION ON DIMMER CONTROL. CORRIDOR LIGHTING CONTROL SWITCH SHALL CONTROL CORRIDOR LIGHTING CONTACTORS, POLES AS REQUIRED. SEE C/E-2.
11. PROVIDE A BRANCH CIRCUIT AUTOMATIC TRANSFER SWITCH LOCATED ADJACENT TO DIMMING RACK FOR TYPE LC/90 FIXTURES. ALL LD/90 FIXTURES SHALL BE ON SAME DIMMER CHANNEL AND TRANSFER TO EMERGENCY CIRCUIT E-7 UPON LOSS OF NORMAL POWER. NORMAL POWER FEED TO BATS SHALL COME FROM DIMMER RACK. BATS SHALL BE LUGS LISTED.
12. THRU CORRIDOR LIGHTING CONTROL CONTACTOR.
13. PROVIDE BRANCH CIRCUIT AUTOMATIC TRANSFER SWITCH TO BYPASS SWITCHING FUNCTION UPON LOSS OF NORMAL POWER. CONNECT SWITCHED LEG TO 'NORMAL POWER' SIDE OF TRANSFER SWITCH AND UNSWITCHED LEGS TO 'EMERGENCY POWER' SIDE. SUCH TRANSFER DEVICE SHALL BE LUGS LISTED.
14. PROVIDE 6 CONNECTOR PIGTAIL BOX. SEE SPECIFICATION SECTION 1655. SEE 'L' SERIES DRAWINGS FOR MOUNTING. FOR EACH ROW OF THREE THE 6 CONNECTORS SHALL BE CONNECTED TO SIX DIMMER CHANNELS AT THE DIMMER RACK IN ROOM 159. DIMMING CONTROL FROM THEATRICAL DIMMER CONSOLE IN ROOM 159. CONNECTIONS WITH THE SAME NUMBER IN EACH ROW OF THREE SUCH BOXES SHALL BE CONNECTED TO THE SAME CHANNEL. SEE DRAWING E-2 DETAIL B FOR CLARIFICATION.
15. PROVIDE 4 CONNECTOR PIGTAIL BOX. SEE SPECIFICATION SECTION 1655. CONTROL NOTES FROM NOTE 14 ABOVE APPLY TO THIS ROW ALSO. EXCEPT 4 CHANNELS FOR THE ROW.
16. PROVIDE 2 CONNECTOR RECESSED CONNECTOR BOX. SEE SPECIFICATION SECTION 1655. EACH CONNECTOR SHALL BE A SEPARATE DIMMER CHANNEL.
17. CONNECT THRU EXTERIOR LIGHTING CONTROL CONTACTORS. SEE DRAWING B/E-12.
18. SEE PHASE II DOCUMENTS FOR WORK ACCOMPLISHED UNDER THAT PHASE.
19. EACH J-BOX GRAPHICALLY SHOWN DENOTES THREE J-BOXES FOR CONNECTION OF TRACK LIGHTS. SEE 'L' SERIES DRAWINGS FOR LOCATIONS. EACH TRACK SHALL BE CONTROLLED BY A SWITCH RATED CIRCUIT BREAKER IN PANEL 'P'. SEE PANEL SCHEDULE FOR CIRCUITING. MAKE CONNECTIONS BETWEEN ADJACENT TRACKS WITH MINIMUM 6 FOOT OF FLEXIBLE CONDUIT, PAINTED TO MATCH CEILING.
20. THROUGH LIGHTING CONTROL CONTACTOR. PROVIDE SWITCH IN ROOM 164 TO CONTROL CONTACTOR.
21. TYPE LK TRACK NOT NOTED BY NOTE 4 SHALL BE CIRCUITED TO PANEL 'G'. SEE PANEL SCHEDULES. PROVIDE 2 CONTACTORS FOR SWITCHING. TRACK NORTH OF GRID 6, SWITCH SEPARATELY FROM TRACK SOUTH OF GRID 6. LOCATE IN ROOM 164. LABEL SWITCHES 'LOBBY TRACK LIGHTS' AND 'GATHERING PLACE TRACK LIGHTS'.

- 22. CONTINUOUS ROW IN ARCHITECTURAL COVE. SEE REFLECTED CEILING PLANS FOR LENGTH.
- 23. THRU CONTACTOR CONTROLLED BY NOTED SWITCH. CONTACTOR SHALL HAVE SUFFICIENT POLES FOR CONTROL NOTED ON THIS SHEET AND SHEET E-6 (ROOM 002).
- 24. PROVIDE MYTECH #15000 OCCUPANCY SENSOR LOCATED PER MANUFACTURERS RECOMMENDATION. PROVIDE MP POWER PACK. CONNECT IN PARALLEL WITH CORRIDOR LIGHTING CONTACTOR SO SENSOR CONTROLS LIGHTS WHEN CONTACTOR IS OPEN.
- 25. PROVIDE ROUGH-IN FOR FUTURE DIMMER SWITCH INCLUDING NIPPLE TO ADJACENT SWITCH BOX AND CONDUIT SLUB OUT OF WALL UP NEAR ROOF.
- 26. CONNECT FIXTURE INSTALLED UNDER PHASE I.

ROOM LIST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|-------------|-------------|-------------|-----------|---------------|------------|------------|------------|-----------|-------------|------------|------------|-----------|--------------|------------------|-----------|-------------|-------------|--------------------|-------------|---------------|-----------|---------------|-------------|-------------|----------------|-----------|-------------|-----------|-----------|-------------|-----------------------|
| 101 LOBBY | 103 EXHIBIT | 104 VESTIBULE | 105 GIFT SHOP | 106 STORAGE | 107 RECEIVING | 108 VESTIBULE | 109 HALLWAY | 110 KITCHEN | 111 JANITOR | 112 WOMEN'S | 113 MEN'S | 114 EQUIPMENT | 115 STUDIO | 116 STUDIO | 117 STUDIO | 118 STAFF | 119 ELDERLY | 120 OFFICE | 121 OFFICE | 122 ADMIN | 123 CORRIDOR | 124 MEN'S LOCKER | 125 MEN'S | 126 EXHIBIT | 127 JANITOR | 128 WOMEN'S LOCKER | 129 LIBRARY | 130 VESTIBULE | 131 LOBBY | 132 SEE STAGE | 133 STORAGE | 134 THEATER | 135 PROJECTION | 136 STAGE | 137 STORAGE | 138 PHONE | 139 MEN'S | 140 WOMEN'S | 141 TICKETING & INFO. |
|-----------|-------------|---------------|---------------|-------------|---------------|---------------|-------------|-------------|-------------|-------------|-----------|---------------|------------|------------|------------|-----------|-------------|------------|------------|-----------|--------------|------------------|-----------|-------------|-------------|--------------------|-------------|---------------|-----------|---------------|-------------|-------------|----------------|-----------|-------------|-----------|-----------|-------------|-----------------------|



B THEATER DIMMING LAYOUT
E-2 NO SCALE

- NEW NOTE. SEE APPLICATION N DRAWING.
- REVISED ADMINISTRATIVE LIGHTING PER SPECTRUM LIGHTING

8' 0 8' 16' 24'
GRAPHIC SCALE: 1/8" = 1'-0"

SCALES INDICATED RELATE TO 30"x42" FULL-SIZE DRAWINGS

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Checked DJM
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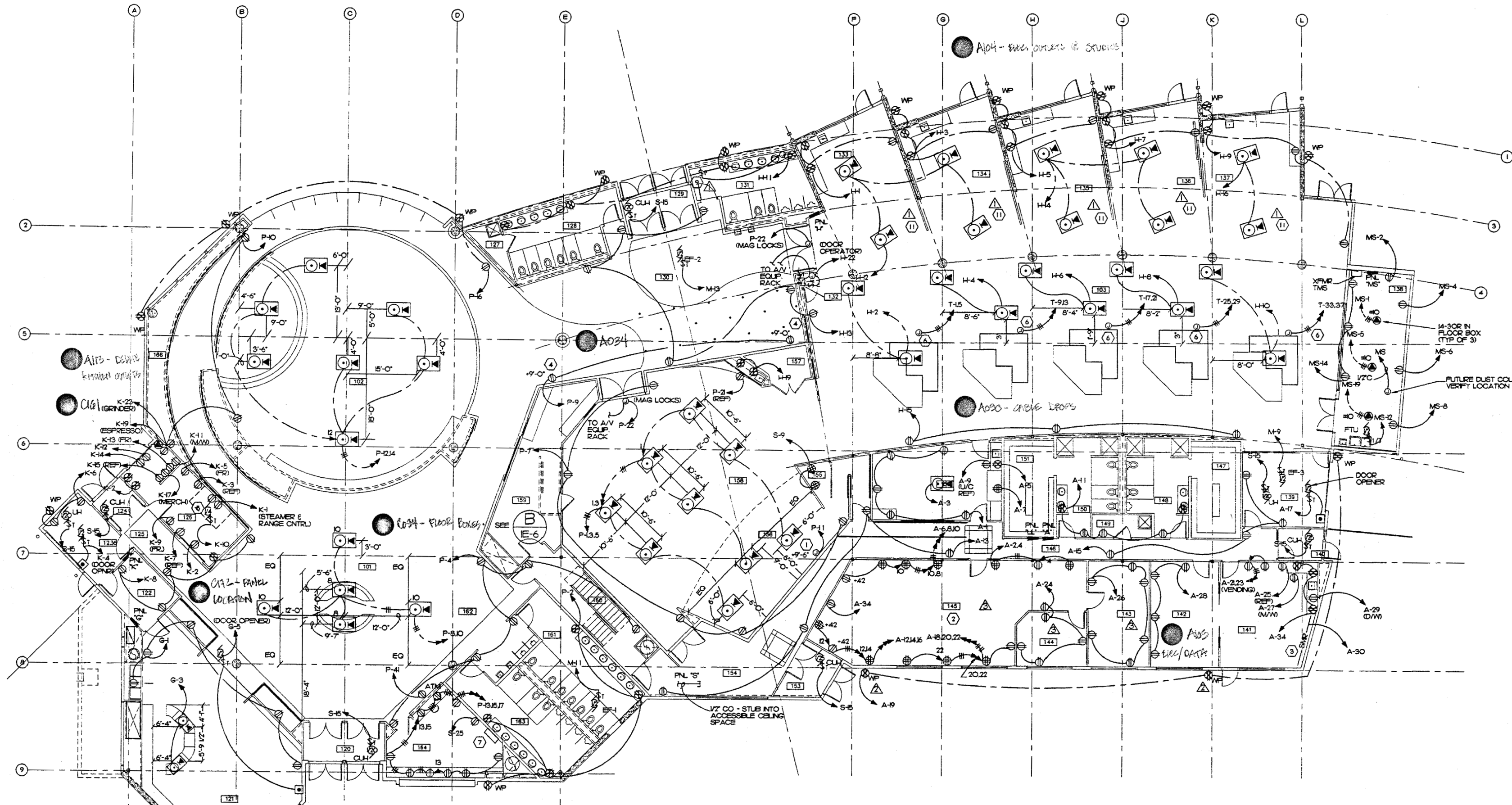
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ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC
 ANCHORAGE, ALASKA
POWER PLAN

Revisions
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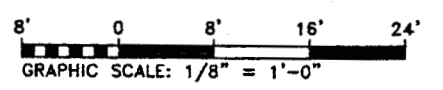
ROOMLIST

| | | |
|---------------|-----------------|----------------------|
| 101 LOBBY | 83 STUDIO | 49 JANITOR |
| 102 GATHERING | 84 STUDIO | 50 WOMEN'S LOCKER |
| 103 EXHIBIT | 85 STUDIO | 51 LIBRARY |
| 10 VESTIBULE | 86 VESTIBULE | 52 VESTIBULE |
| 2 GIFT SHOP | 87 STUDIO | 53 LOBBY |
| 3 STORAGE | 88 WORKSHOP | 54 SIDE STAGE |
| 123 RECEIVING | 89 RECEIVING | 55 STAGE |
| 124 VESTIBULE | 90 VESTIBULE | 56 STORAGE |
| 25 HALLWAY | 91 STAFF | 57 THEATER |
| 26 KITCHEN | 92 ELDER'S | 58 PROJECTION |
| 27 JANITOR | 93 OFFICE | 59 STAIR |
| 28 WOMEN'S | 94 ADMIN | 60 WOMEN'S |
| 29 VESTIBULE | 95 CORRIDOR | 61 PHONE |
| 30 CROSSROADS | 96 MEN'S LOCKER | 62 MEN'S |
| 31 MEN'S | 97 MEN'S | 63 TOILETING & INFO. |
| 32 EQUIPMENT | 98 MEN'S | 64 EXHIBIT |

- ▲ NEW NOTE, SEE APPLICATION IN DRAWING.
- ▲ CHANGE RECEPTACLE TO GFCI PROTECTION RECEPTABLES.
- ▲ POWER AND CIRCUITING CHANGES PER DCVR CHANGES.

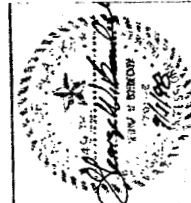
NOTES

- 1 PROVIDE POWER FOR PROJECTION SCREEN. VERIFY LOCATION AND ELECTRICAL REQUIREMENTS.
- 2 PROVIDE DUPLEX RECEPTABLES 4' O.C. FULL LENGTH OF ALL SURFACE METAL RACEWAY (SMR) IN THIS ROOM (UON). BALANCE RECEPTABLE LOADS EVENLY BETWEEN CIRCUITS. PROVIDE ADDITIONAL INDIVIDUAL RECEPTACLE CIRCUITS WHERE INDICATED. SEE SHEET E-4 FOR TV AND TEL/DATA OUTLET LOCATIONS. ALL SMR, WIREMOLD 4000 SERIES.
- 3 SAME AS NOTE 2, EXCEPT RECEPTABLES ARE 3' O.C.
- 4 RECEPTACLE FOR VIDEO MONITOR.
- 5 HOOD EXHAUST FAN - ON ROOF.
- 6 4" X 4" J-BOX SURFACE MOUNTED IN CEILING. LOCATE ADJACENT TO EXHIBIT EQUIPMENT WIREWAY. SEE SHEET E-4. PROVIDE SMR FROM CEILING TO FLOOR AT HIDDEN CORNER OF DISPLAY. VERIFY LOCATION AND REQUIRED RECEPTACLE LOCATIONS WITH EXHIBIT INSTALLER. WIREMOLD 4000 SERIES.
- 7 REMOTE GENERATOR ALARM PANEL. FLUSH OR SEMIFLUSH MOUNTING, 15" AFF.
- 8 SEE PHASE II DOCUMENTS FOR WORK ACCOMPLISHED UNDER THAT PHASE.
- 9 PROVIDE PLOT LIGHT SWITCH LABELLED 'ROOF DRAIN HEAT CABLE' AND CONNECT HEAT CABLE SEE MECHANICAL FOR LOCATION.
- 10 ALL DIMENSIONS TO FLOOR BOXES ARE TO CENTER OF FLOOR BOX.
- 11 CENTER FLOOR BOXES DIAGONALLY IN STUDIO SPACES.



POWER PLAN
 E-3
 SCALE 1/8" = 1'-0"

Plot Date: 09/04/98
 DWG Name: TRACEY:5003_CEL3.dwg

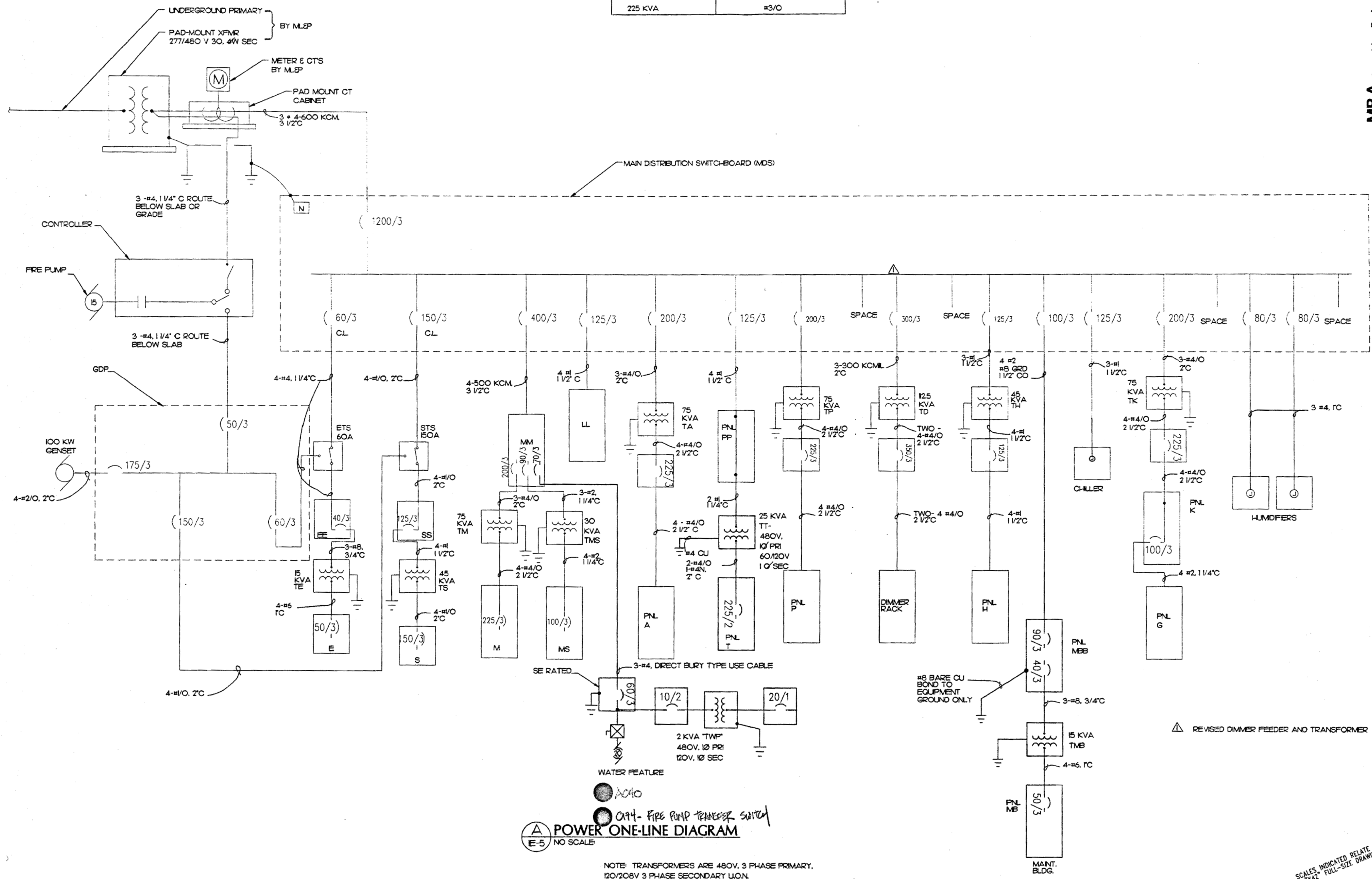


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| TRANSFORMER GROUNDING CONDUCTOR SCHEDULE | |
|--|--------------------|
| XFMR SIZE | GRD CONDUCTOR SIZE |
| 5 KVA | #8 |
| 30 KVA | #8 |
| 45 KVA | #6 |
| 75 KVA | #2 |
| 12.5 KVA | #1/0 |
| 225 KVA | #3/0 |

LOAD SUMMARY
 CONNECTED: 576.2 KVA (693A)
 NEC DEMAND: 549.9 KVA (661A)
 DEMAND & CONTINUOUS: 683.4 KVA (822A)
 SEE PANEL SCHEDULES FOR ADDITIONAL DETAIL



POWER ONE-LINE DIAGRAM
 E-5 NO SCALE

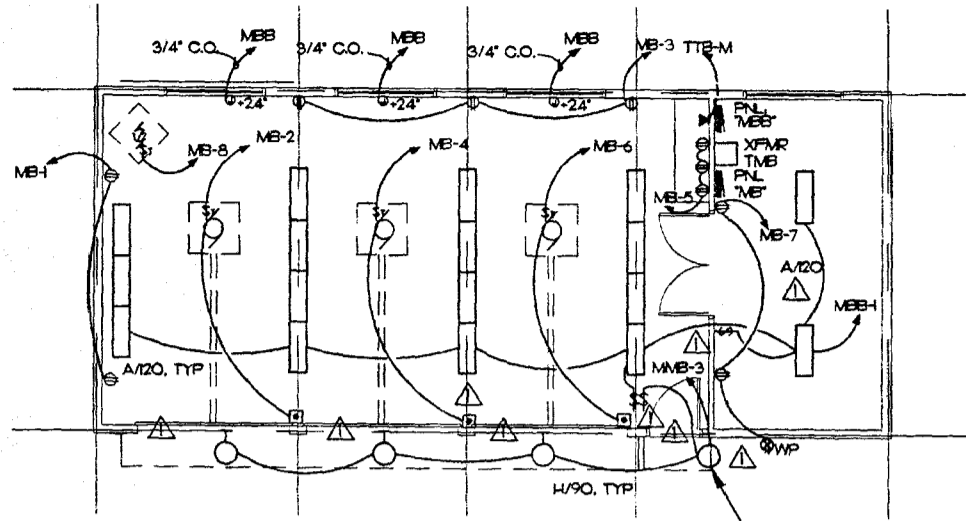
NOTE: TRANSFORMERS ARE 480V, 3 PHASE PRIMARY, 120/208V 3 PHASE SECONDARY U.O.N.
 NOTE: SEE PHASE I DOCUMENTS FOR WORK ACCOMPLISHED UNDER THAT PHASE.

△ REVISED DIMMER FEEDER AND TRANSFORMER

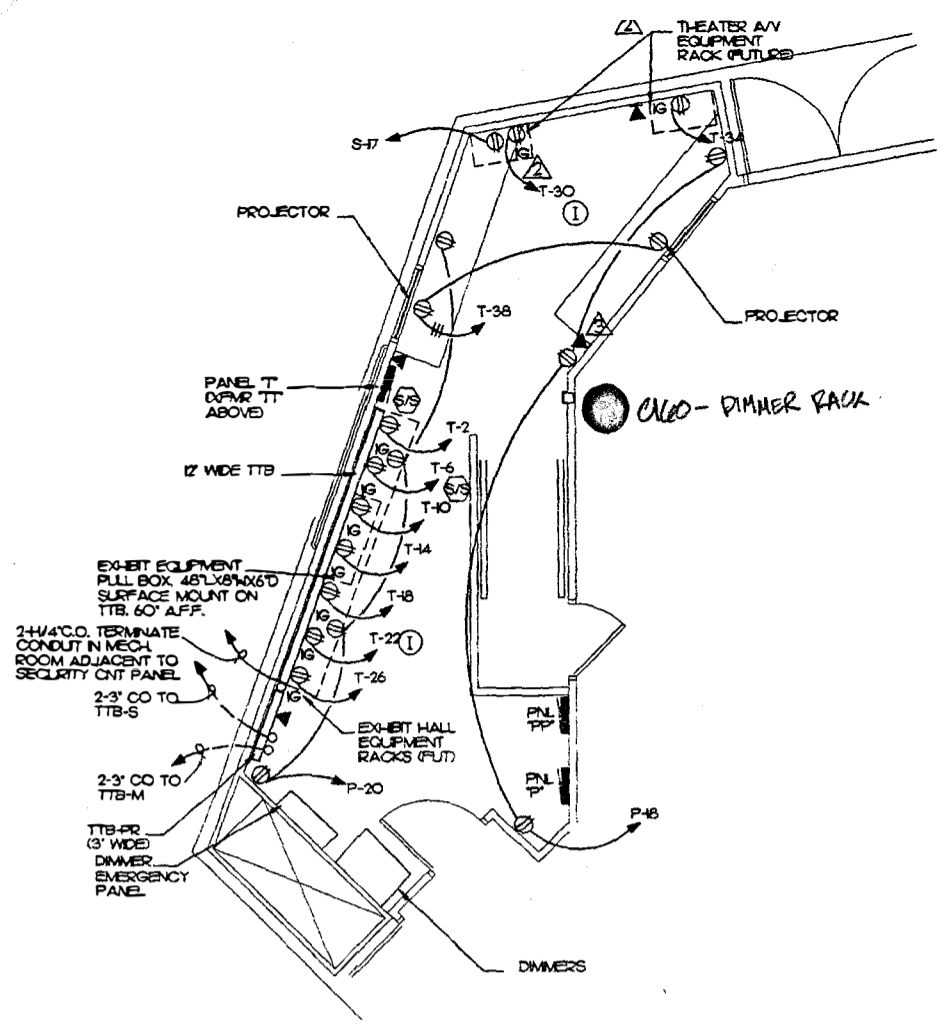
SCALES INDICATED RELATE TO 30" X 42" FULL-SIZE DRAWINGS

ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
 ANHC ANCHORAGE, ALASKA
 POWER ONE-LINE DIAGRAM

Revisions
CONFORMED DRAWINGS
 Date: 09/01/98
 Drawn: TLC
 Checked: MJL
 Job No.: 95023
 Sheet No.:
IE-5
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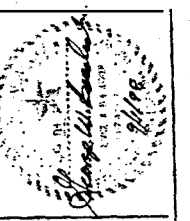
(A) MAINTENANCE BUILDING FLOOR PLAN
E-6 SCALE: 1/4" = 1'-0"



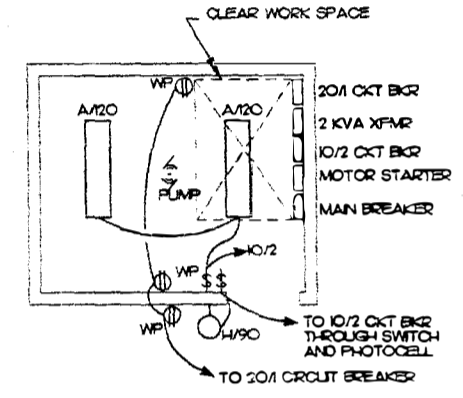
(B) PROJECTION ROOM PLAN
E-6 SCALE: 1/4" = 1'-0"

| LIGHTING FIXTURE SCHEDULE | | | | | |
|---------------------------|-----------|--------------|--|--|--|
| KEY | LAMPS NO. | LAMP TYPE | MTG. HT. | DESCRIPTION | MANUFACTURERS NO. |
| A/20 | 2 | F48HO | ~9'-0" AFF. | 2-LAMP INDUSTRIAL FLUORESCENT WITH WHITE SOLID REFLECTOR, PAINTED AFTER FABRICATION - 20 DEGREE F. BALLAST. | COLUMBIA #KLA-248HO-277-PAF-KLEC-KLWG4 |
| B/130 | 4 | F32TB | RECESSED CEILING | 4-LAMP NSF ZONE C2 RATED TROFFER, INVERTED PATTERN 12 ACRYLIC LENS. | GLTH #K2-244-F32-G |
| C/75 | 2 | F32TB | SURFACE CEILING | 2-LAMP OPEN STRIP FLUORESCENT, WHITE PAINTED REFLECTOR AND BALLAST COVER, PAINTED AFTER FABRICATION. | COLUMBIA #CS4-232-PAF |
| D/130 | 4 | F32TB | RECESSED CEILING | 4-LAMP DAMP LOCATION RATED LENSED TROFFER, ACRYLIC PRISMATIC LENS. | COLUMBIA #WL24-430 |
| F/130 | 4 | F32TB | RECESSED CEILING | 2' X 4' RECESSED LENSED TROFFER 4 LAMP. | LITHONIA #2GT432A12125 |
| G/75 | 2 | F32TB | SURFACE CEILING | SQUARE BASKET TYPE WRAPAROUND ACRYLIC LENS, 2-LAMP | LITHONIA #SB232 |
| H/90 | 1 | 50W HPS | LP 10' | | KIM #SM1-50HPS-DB-P |
| T-6' | 3 | 50W MR16 NFL | SURFACE CEILING | SINGLE CIRCUIT TRACK, LOW VOLTAGE HEADS, ELECTRONIC TRANSFORMER. | UGHTOLER #6295 |
| ⊗ | - | - | CEILING OR WALL - HT AS NOTED | SELF POWERED EXIT SIGN, 20 YR LIFE, THIN LINE ALUMINUM FRAME, FACEPLATE AND FRAME COLORS TO BE SELECTED BY ARCHITECT | ROUTE #880-20 BETALLUX #87R-U-10 |
| ⌈ | 2 | - | SURFACE WALL AS HIGH AS POSSIBLE OR AS NOTED | 2-LEADED BATTERY POWERED EMERGENCY LIGHT, MAINTENANCE FREE LEAD BATTERY LOW PROFILE THERMOPLASTIC HOUSING | DUAL-LITE #EZ-2 |

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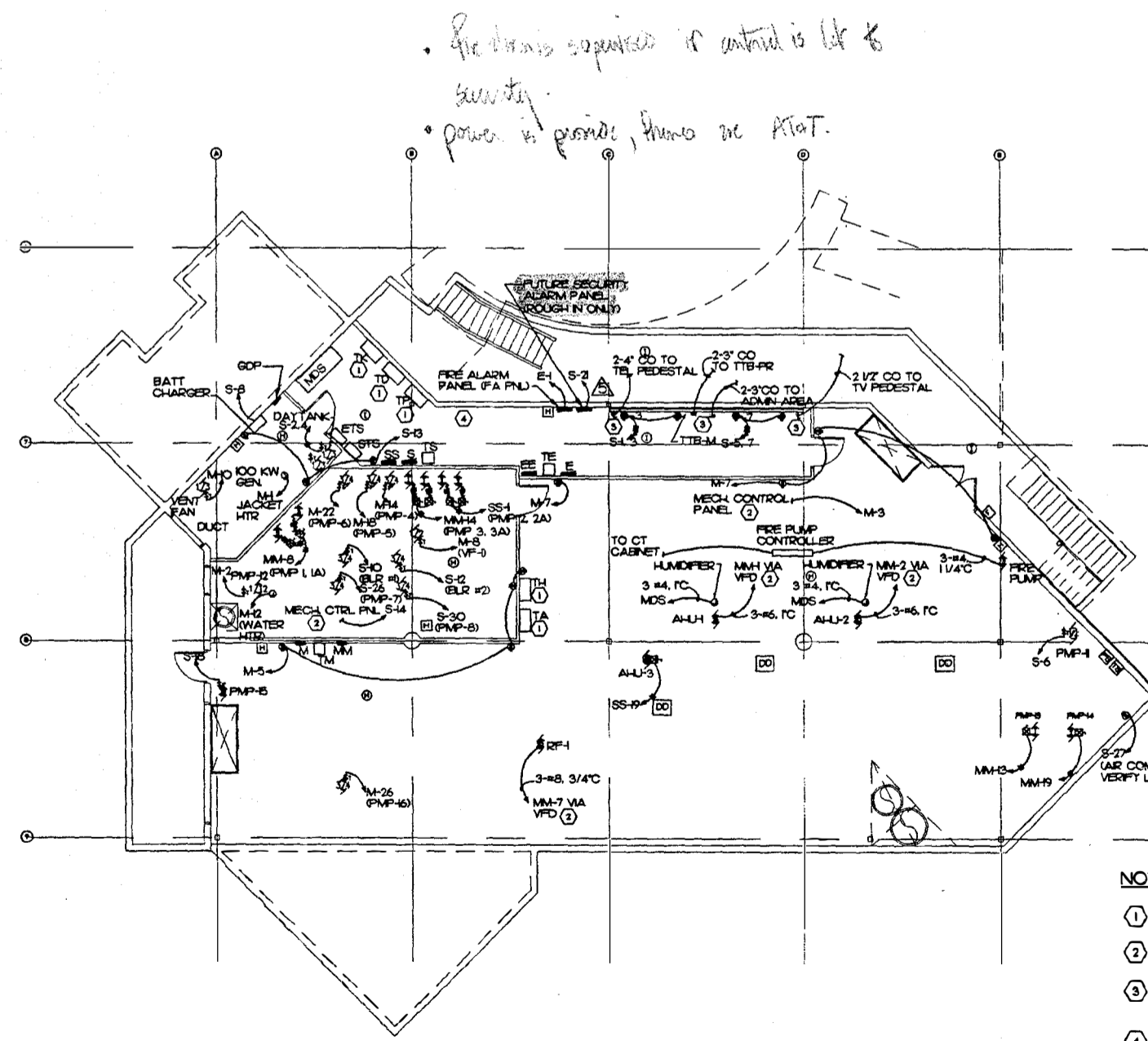


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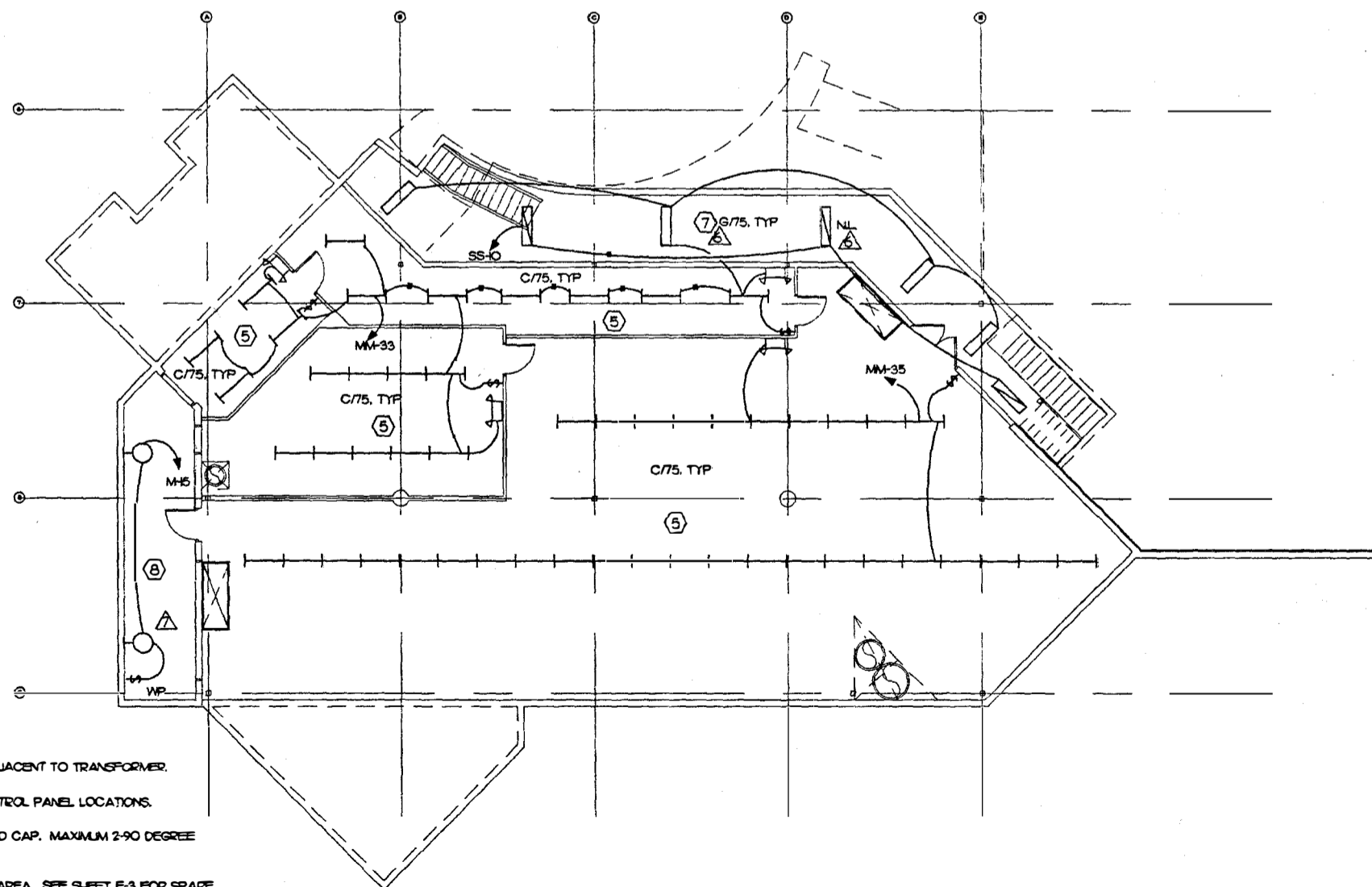


(E) PUMP HOUSE BLDG ELECTRICAL PLAN
E-6 SCALE: 1/4" = 1'-0"

- ⚠ DELETE SECURITY AND FIRE ALARM DEVICES
- ⚠ MOVE THEATER AV EQUIPMENT RACKS AND ASSOCIATED OUTLETS
- ⚠ ADD TELEPHONE RECEPTACLE
- ⚠ LIGHTING INFORMATION CHANGES
- ⚠ DELETE CIRCUIT S-23, PROVIDED FOR FUTURE SECURITY ALARM PANEL
- ⚠ ADD NOTE 7. ADD NIGHT LIGHT TO CIRCUIT SS-10. DELETE SWITCH AT STAIRS
- ⚠ ADD NOTE 8. ADD WALL MOUNTED LIGHT FIXTURE IN DESIGNATED AREA



(C) MECHANICAL ROOM PLAN
E-6 SCALE: 1/8" = 1'-0"



(D) MECHANICAL ROOM LIGHTING PLAN
E-6 SCALE: 1/8" = 1'-0"

- NOTES**
- 1 MOUNT SECONDARY DISCONNECT ADJACENT TO TRANSFORMER.
 - 2 SEE MECHANICAL FOR VFD AND CONTROL PANEL LOCATIONS.
 - 3 STUB CONDUIT UP 6" ABOVE SLAB AND CAP. MAXIMUM 2-90 DEGREE BENDS IN CONDUIT RUN.
 - 4 TERMINATE SPARE CONDUITS IN THIS AREA. SEE SHEET E-3 FOR SPARE CONDUIT LOCATIONS.
 - 5 QUANTITY OF FIXTURES SHOWN, EXACT LOCATIONS SHALL BE COORD. TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT. PROVIDE 25% BUT NO LESS THAN ONE, ON CIRCUIT SS-10. REMAINDER ON CIRCUIT INDICATED.
 - 6 SEE PHASE I DOCUMENTS FOR WORK ACCOMPLISHED UNDER THAT PHASE (THIS NOTE APPLIES TO ENTIRE SHEET E-6)
 - 7 CONTROL THRU LIGHTING CONTACTOR NOTED IN NOTE 23, DRAWING IE-2 UON.
 - 8 CONNECT LIGHTS AND SWITCH INSTALLED UNDER PHASE I

Handwritten notes:
The alarm equipment is intended to be for security.
power is provided, shown on sheet.

Plot Time: 10/2/98
Plot Date: 09/04/98
DWG Name: TRACEY:5003_LEE.dwg

ALASKA NATIVE HERITAGE CENTER - PHASE III FINISH DESIGN
ANCHORAGE, ALASKA
SCHEDULES AND DETAILS

CONFORMED DRAWINGS
Date: 09/01/98
Drawn: JLC
Checked: MLL
Job No.: 95023
Sheet No.: IE-6
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Mabel Pike EDUCATIONAL CENTER EXPANSION

Alaska Native Heritage Center

Anchorage, Alaska



| REVISIONS | No. | Date | Description | By |
|-----------|-----|-------------|----------------|----|
| | 1 | MAY 7, 2014 | PERMIT CHANGES | |



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| Project Mgr. | JAC |
| Drawn | MAF JC |
| Checked | |
| Date | 4/25/2014 |

Sheet Contents:
COVER SHEET - DRAWING INDEX

Sheet No.:

G1.0

USKH W.O. 1331601

| NUMBER | SHEET INDEX NAME |
|--------|---------------------------------------|
| G1.0 | COVER SHEET - DRAWING INDEX |
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| G1.2 | AREA PLAN - CROSS AREA |
| L1.00 | PARKING LANDSCAPE |
| L1.01 | PLANTING PLAN |
| L5.01 | LANDSCAPE DETAILS |
| L5.02 | LANDSCAPE DETAILS |
| C0.1 | LOCATION MAP AND LEGEND |
| C0.2 | SURVEY CONTROL SHEET |
| C1.0 | EXISTING CONDITIONS AND DEMOLITION |
| C2.0 | PROPOSED SITE PLAN |
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| C3.0 | GRADING PLAN WEST |
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| C4.0 | SITE SECTIONS |
| C5.0 | DETAILS |
| C5.1 | DETAILS |
| C6.0 | WATER UTILITY LOCATION MAP AND LEGEND |
| C6.1 | WATER NOTES, KEY MAP AND LEGEND |

| NUMBER | SHEET INDEX NAME |
|--------|---|
| C6.2 | FIRE HYDRANT AND WATER SERVICE RELOCATION SITE PLAN |
| C6.3 | WATER PIPING PLAN AND PROFILE |
| C6.4 | WATER DETAILS |
| C6.5 | ROOF DRAIN PLAN & DETAILS |
| C7.0 | SEWER LIFT STATION REHABILITATION |
| S0.1 | GENERAL STRUCTURAL NOTES |
| S0.2 | ABBREVIATIONS AND NAILING SCHEDULE |
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| S0.6 | 3D STRUCTURAL VIEW |
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| S2.1 | FLOOR FRAMING PLAN |
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| S5.1 | FOUNDATION AND FLOOR FRAMING DETAILS |
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| NUMBER | SHEET INDEX NAME |
|--------|-------------------------------------|
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| A2.0 | REFERENCE FLOOR PLAN |
| A2.1 | FLOOR PLAN - ADDITION |
| A2.2 | REFLECTED CEILING PLAN - ADDITION |
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| A3.3 | BUILDING SECTIONS |
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| A3.5 | WALL SECTIONS |
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| M1.3 | ENLARGED PLUMBING PLAN & SCHEMATICS |
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| NUMBER | SHEET INDEX NAME |
|--------|-------------------------------------|
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| E4.1 | POWER SYSTEMS INTERCONNECT PLAN |
| E4.2 | BASEMENT ELECTRICAL PLAN |
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| E7.1 | ELECTRICAL DETAILS |
| E7.2 | ELECTRICAL DETAILS |
| E8.1 | ELECTRICAL SPECIFICATIONS |

CONFORMED DRAWINGS

FIRE & BUILDING CODE REVIEW

2009 INTERNATIONAL BUILDING CODE (IBC)

PROJECT DESCRIPTION: A ONE STORY CULTURAL FACILITY EXPANSION THAT INCLUDES THREE CLASSROOMS AND OFFICES. THE ADDITION IS 7,600 SQ FT. CONSTRUCTION IS WOOD FRAMED WITH A CRAWL SPACE. ORIGINAL 28,200 SQ FT FACILITY WAS CONSTRUCTED IN 1998 UNDER THE 1994 UNIFORM BUILDING CODE AS A TYPE V-A, 1 HOUR.

EXPANSION CONSTRUCTION TYPE: TYPE V-B, 1 HOUR WITH 2 HOUR FIRE WALL BETWEEN EXISTING & EXPANSION. SEE SHEET A6.1 FOR WALL TYPES.

FIRE PROTECTION: FULLY SPRINKLERED HEADS UP AND DOWN & ALARMED, NFPA-13. CRAWL SPACE IS ALSO SPRINKLERED.

NONSEPERATED OCCUPANCIES: 508.3
508.3.2 THE ALLOWABLE AREA AND HEIGHT OF THE BUILDING SHALL BE BASED ON THE MOST RESTRICTIVE OF OCCUPANCY WHICH IS A OCCUPANCY

FIRE-RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS: TABLE 601
0 HOUR PROTECTION OF ALL PRIMARY STRUCTURAL MEMBERS
0 HOUR PROTECTION OF ALL EXTERIOR/INTERIOR BEARING WALLS
0 HOUR PROTECTION OF ALL PERMANENT INTERIOR PARTITIONS
0 HOUR ROOF/CEILING ASSEMBLY
0 HOUR FLOOR ASSEMBLY

SEE SHEET A8.2 FOR DOOR HARDWARE

EXISTING OCCUPANCY CLASSIFICATIONS:
LOBBY, GATHERING PLACE, EXHIBIT/STUDIOS A2
THEATRE A1
GIFT SHOP M
MECHANICAL S2
ADMIN/STAFF/OFFICES B (LESS THAN 25%)

EXPANSION OCCUPANCY CLASSIFICATIONS:
CLASSROOMS E
ADMIN/STAFF/OFFICES B (LESS THAN 25%)

ALLOWABLE BUILDING HEIGHTS AND AREAS FOR TYPE V-B, 1 HOUR: TABLE 503
BASIC ALLOWABLE AREA: 6,000 SQ FT
STORIES ALLOWED 1

FRONTAGE INCREASE FOR FIRE WALL FOR 3 SIDES PER SECTION 506.2:
 $I_f = (F/P - 0.25)W/30$
 $F = 285 \text{ FEET FOR 3 SIDES}$
 $P = 430 \text{ FEET FOR ENTIRE BUILDING}$
 $W = (24 \text{ FT})(162 \text{ FT}) + (30 \text{ FT})(58 \text{ FT}) + (30 \text{ FT})(65 \text{ FT}) = 27 \text{ FEET}$
 285 FT

$W = 27 \text{ FEET}$
 $I_f = [(F/P) - 0.25](W/30) =$
 $I_f = [(285 \text{ FT}/430 \text{ FT}) - 0.25](27 \text{ FT}/30) =$
 $I_f = [.66 - 0.25](.9) =$
 $I_f = (.41)(.9) =$
 $I_f = .37$
 $= .37 \times 6,000 \text{ SQ FT} = 2,220 \text{ SQ FT}$

SPRINKLER INCREASE PER SECTION 506.3: 300%
INCREASED ALLOWABLE AREA: 6,000 SQ FT x 3 = 18,000 SQ FT
TOTAL ALLOWABLE FLOOR AREA: 6,000+2,220+18,000 = 26,220 SQ FT

ACTUAL BUILDING AREA WITH EXPANSION: 35,800 SQ FT
ACTUAL BUILDING HEIGHT: 1

TRAVEL DISTANCE TABLE 1016.1: MAXIMUM TRAVEL DISTANCE TO EXITS IS LESS THAN 250 FEET.

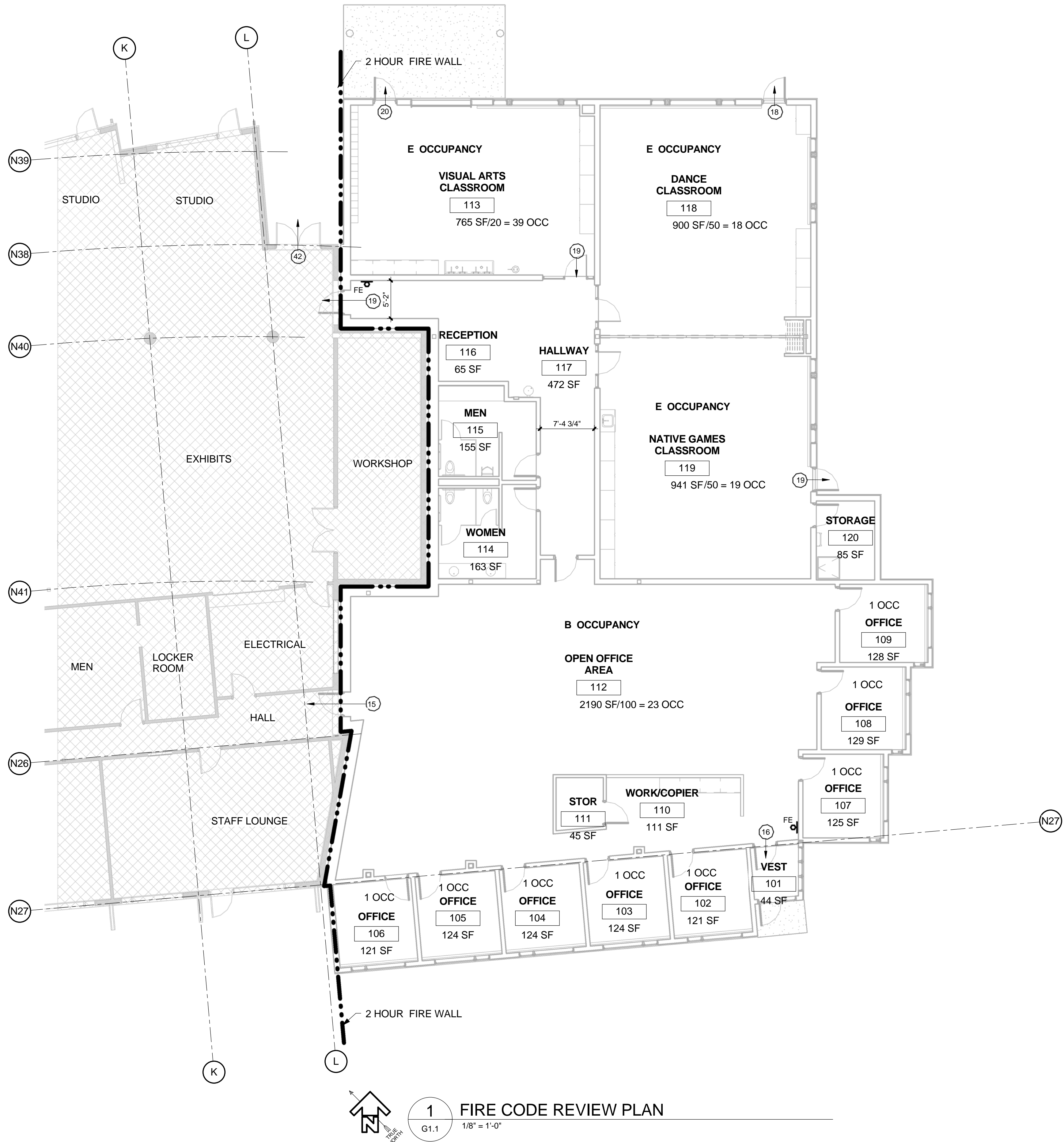
FE = FIRE EXTINGUISHER, UL RATED ABC 10LBS. AND CABINET.

PLUMBING FIXTURE COUNT PER IBC TABLE 2902.1

98 TOTAL OCCUPANTS = 53 MEN + 54 WOMEN
PER CLASSIFICATION FOR EDUCATIONAL (E) = 1 WATER CLOSET PER 50 OCCUPANTS
LAVATORIES = 1 PER 50 OCCUPANTS
DRINKING FOUNTAINS = 1 PER 100 OCCUPANTS
SERVICE SINK = 1

WE ARE PROVIDING (2) WATER CLOSETS AND (2) LAVATORIES PER RESTROOM.
(1) WATER FOUNTAIN WITH AN ADDITIONAL WATER BOTTLE FILLING STATION.

SERVICE SINK LOCATED BY LOCKERS. SEE SHEET A2.0 FOR LOCATION.



1 FIRE CODE REVIEW PLAN
G1.1 1/8" = 1'-0"



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| Drawn | MAF JC |
| Checked | |
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Sheet Contents:
CODE ANALYSIS & FIRE CODE REVIEW PLAN

Sheet No.:
G1.1
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1



PARKING
 EXISTING PARKING SPACES: 181
 6 H/C SPACES
 NEW SPACES: 10
 TOTAL PARKING SPACES 191
 BUILDING SF: 35800
 PARKING SHOWN 1 SPACE/187 SF

EXISTING PARKING
 EXISTING PARKING AREA: 71700 SF
 EXISTING LANDSCAPE: 6345 SF
 UNDER OLD TITLE 21

SNOW STORAGE

SNOW STORAGE

SNOW STORAGE

SNOW STORAGE

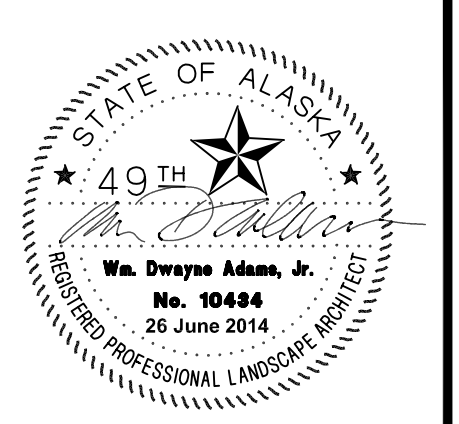
SNOW STORAGE

SNOW STORAGE

SNOW STORAGE

RECONFIGURED PARKING
 AREA: 17840 SF
 PLANTING AREA REQUIRED: 1784 SF
 PLANTING AREA PROVIDED: 1922 SF 11%

410



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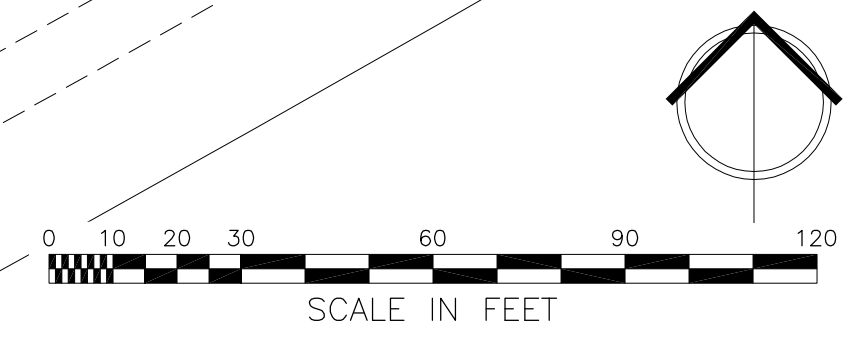
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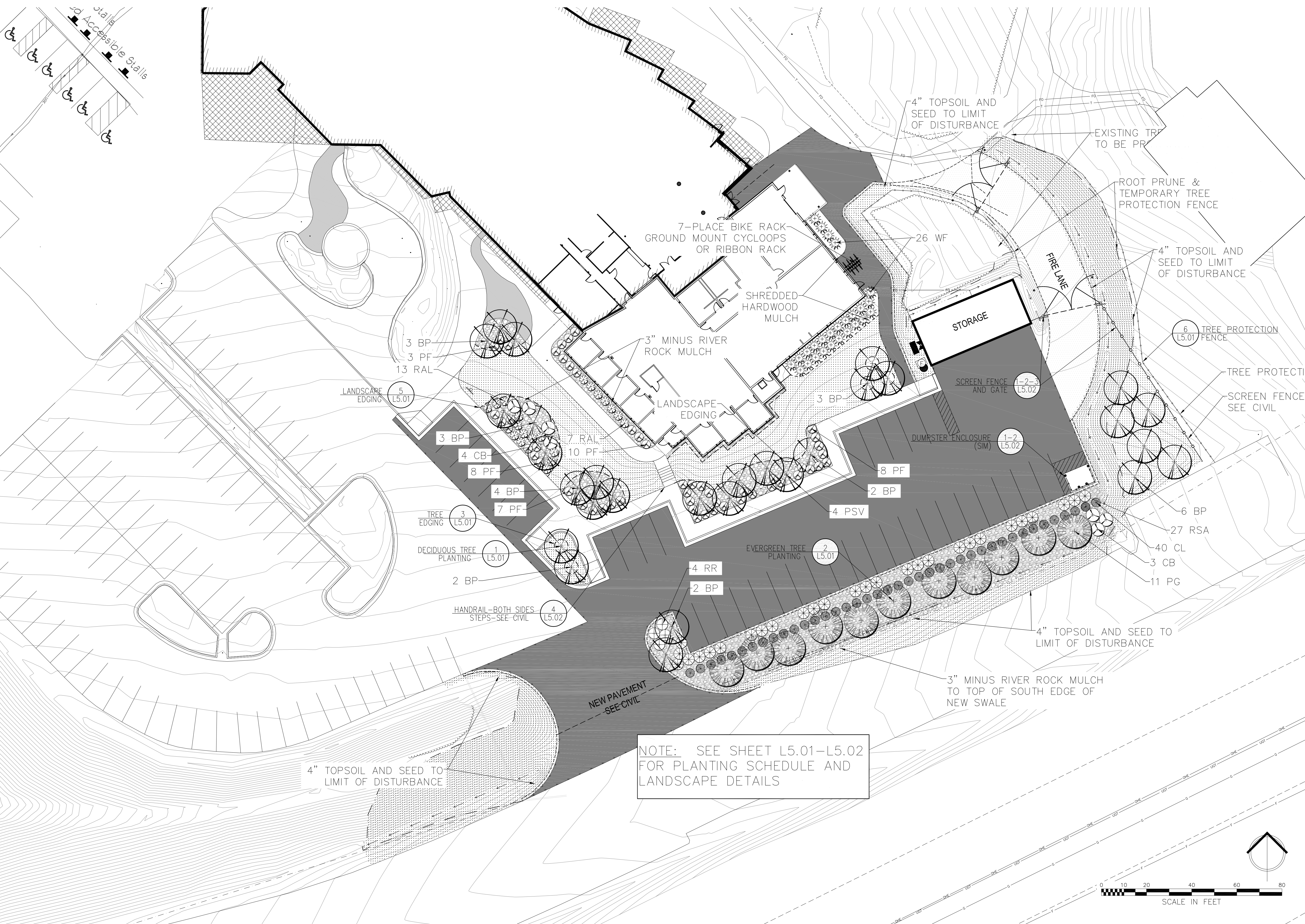
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 LANDSCAPE**

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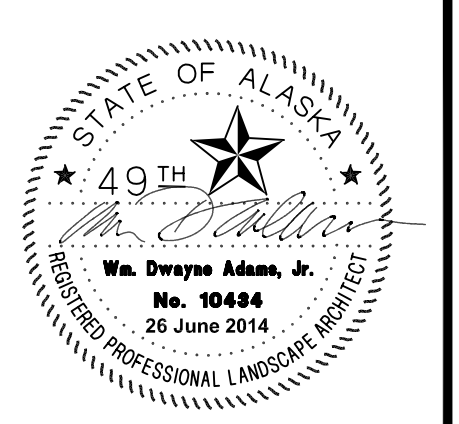
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NOTE: SEE SHEET L5.01-L5.02 FOR PLANTING SCHEDULE AND LANDSCAPE DETAILS



| | |
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| Date | |



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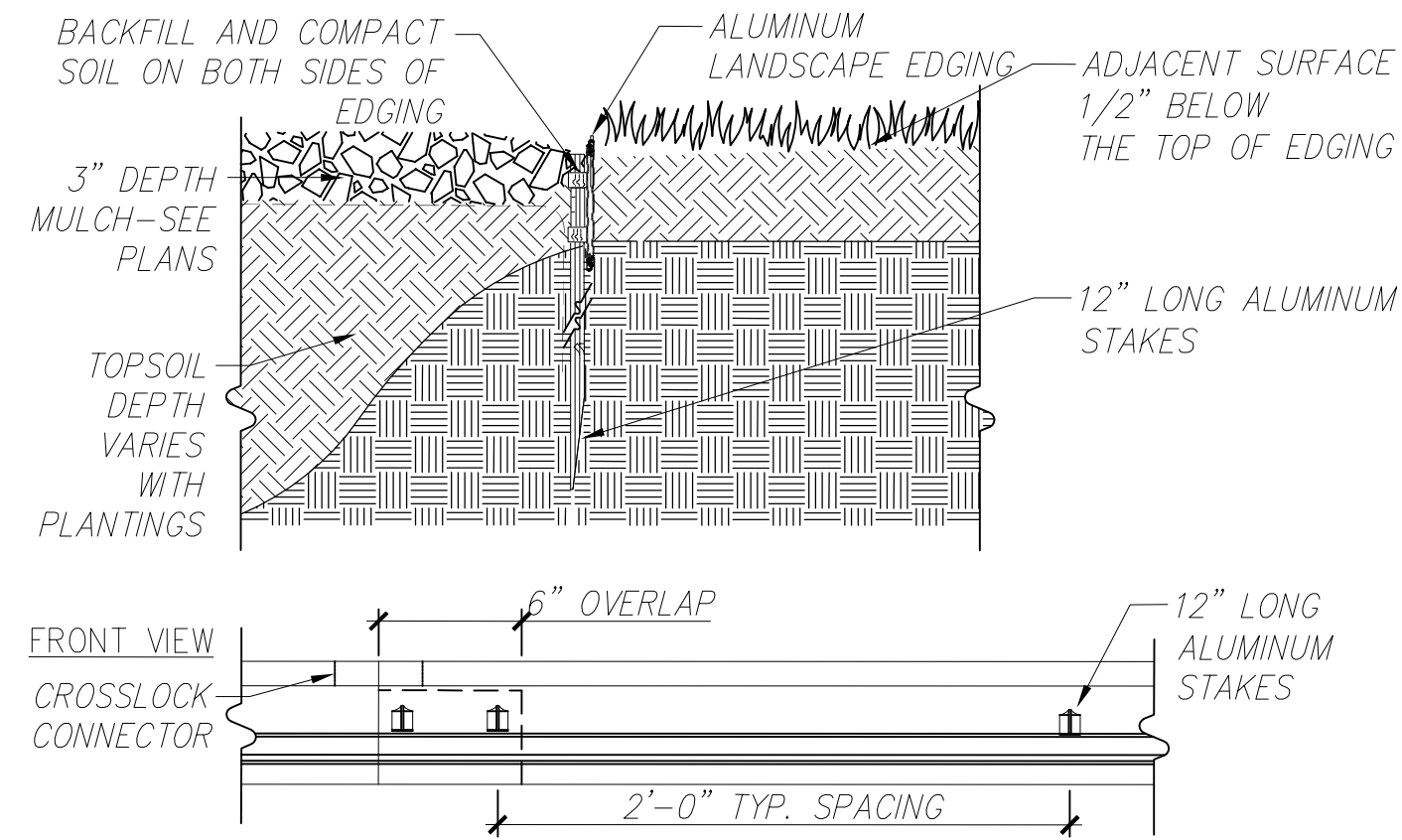
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| Checked | KG WDA |
| Date | 06/02/2014 |

Sheet Contents:
PLANTING PLAN

Sheet No.:
L1.01

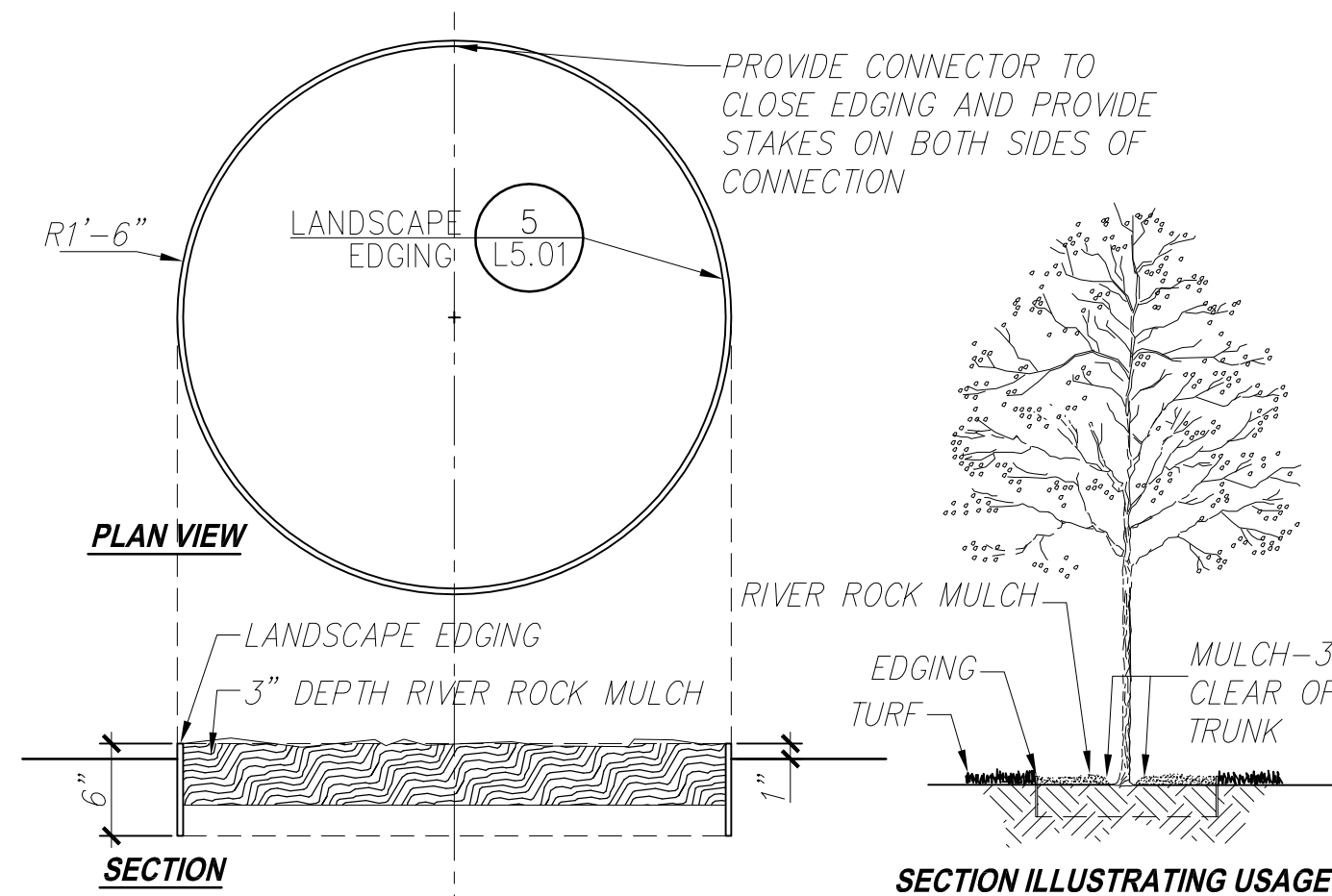
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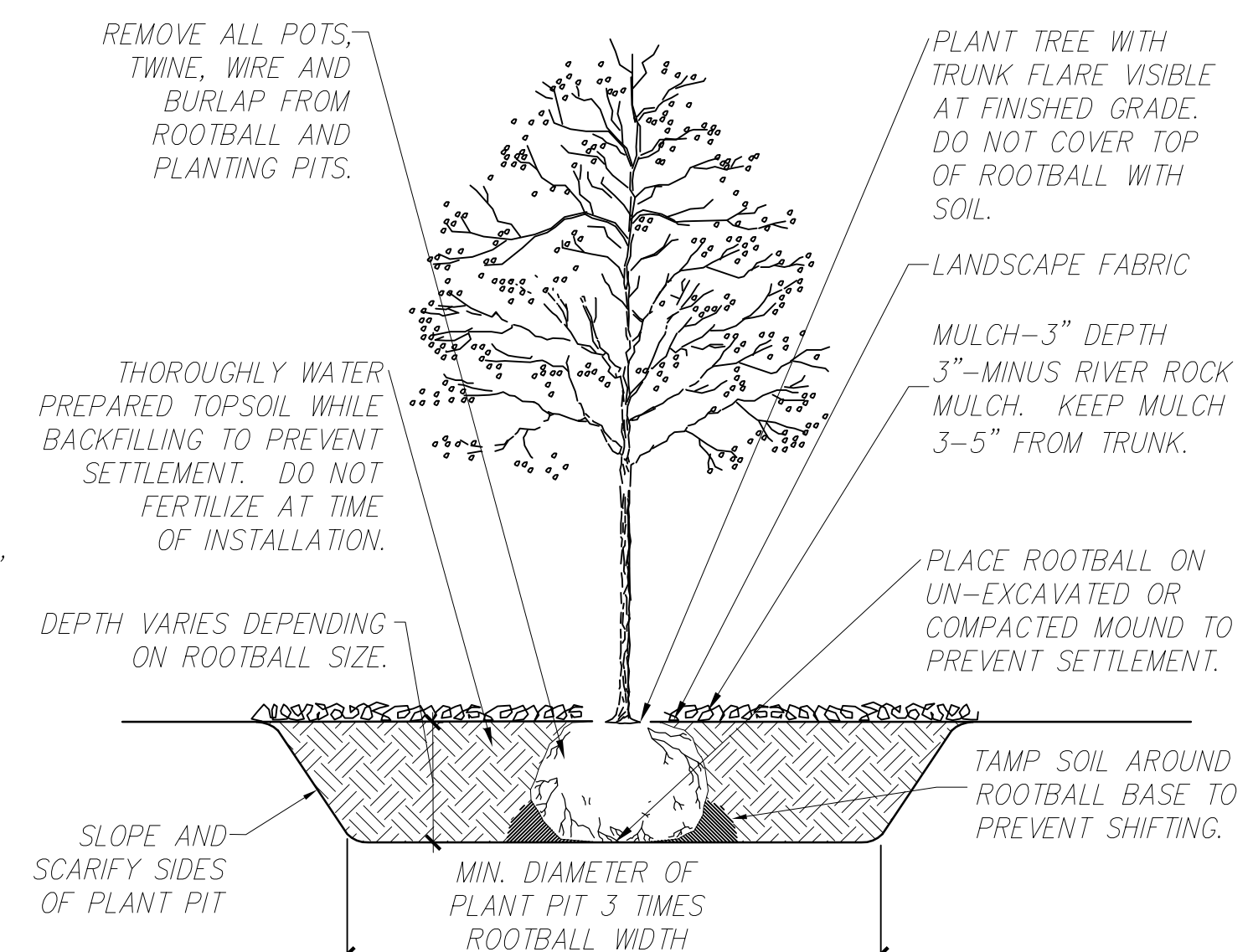
NOTES:
 1. USE 1 STAKE PER 2' OF EDGING LENGTH ON STRAIGHT SECTION, MORE AS NEEDED ON CURVES.
 2. USE 2 STAKES WITHIN THE OVERLAP AT EACH CONNECTION.

5 LANDSCAPE EDGING
 L5.01 SCALE: 1-1/2"=1'-0" dt-edge.dwg

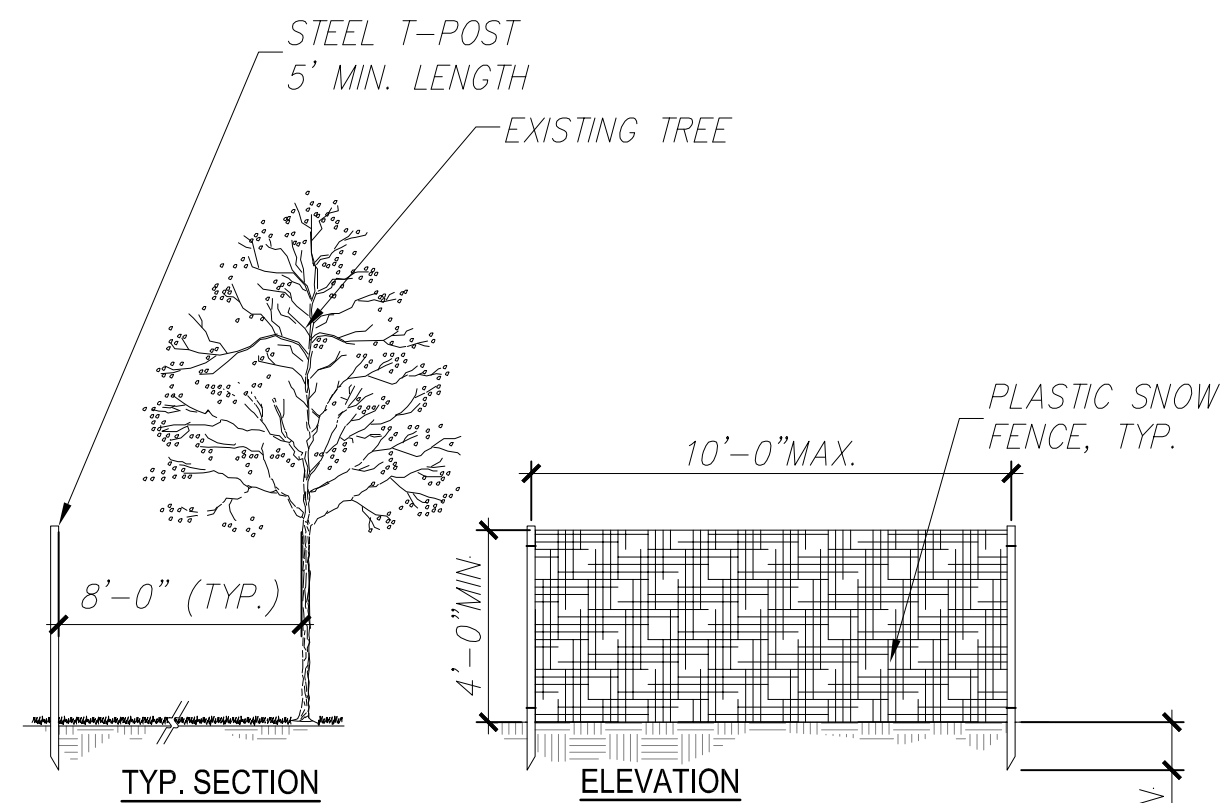


NOTE:
 1. THIS DETAIL IS TO BE USED WHERE DECIDUOUS TREES ARE SHOWN IN OPEN AREAS WITHOUT MULCH BEDS. USE TYPICAL DECIDUOUS TREE PLANTING DETAIL WITH THE EXCEPTION OF DETAIL SHOWN HERE.
 2. PROVIDE STAKES AT 18" O.C. AND AT CONNECTION.

3 TREE EDGING
 L5.01 SCALE: 1"=1'-0" dt-tree-edge.dwg

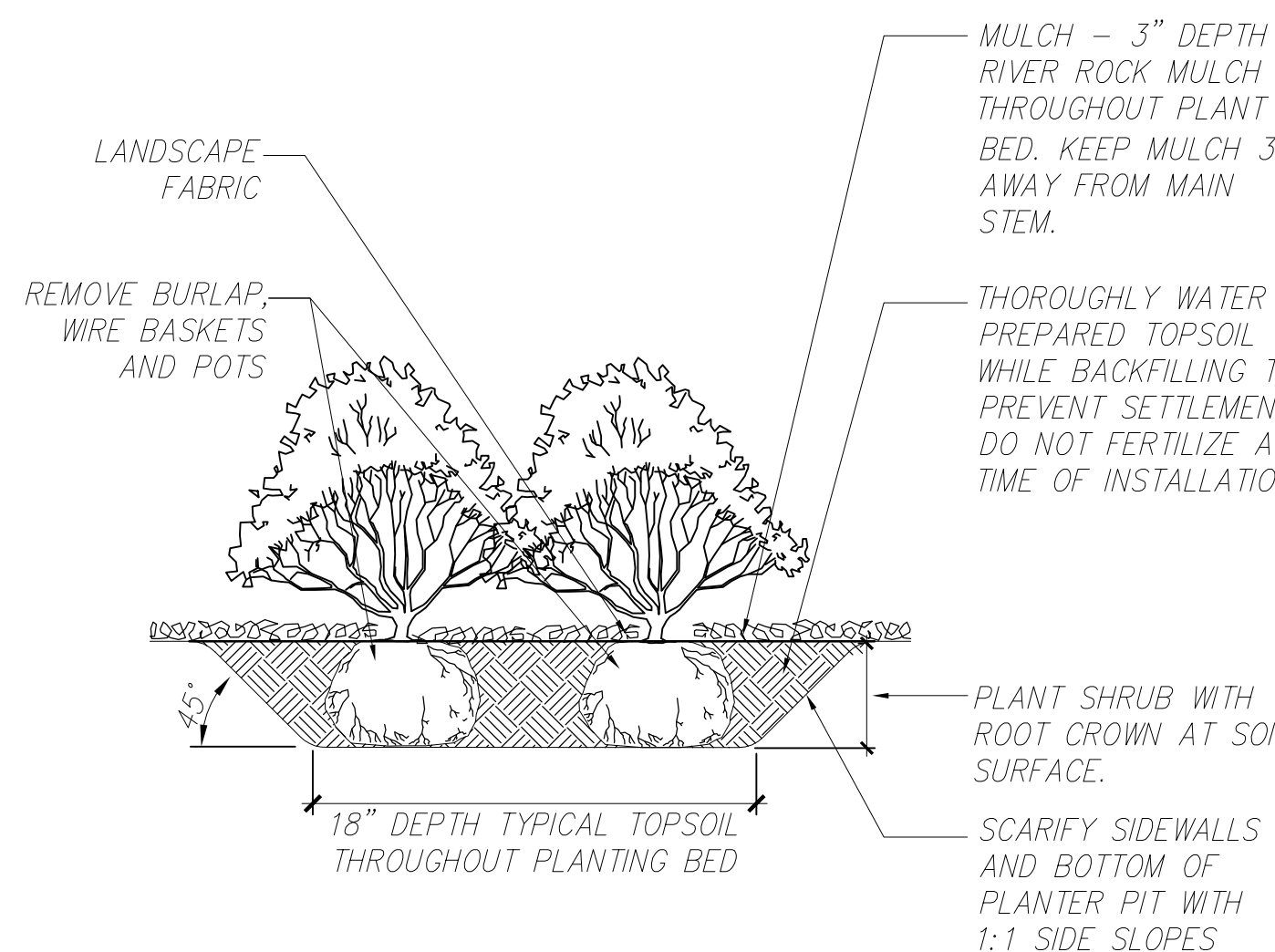


1 DECIDUOUS TREE PLANTING
 L5.01 SCALE: 3/4"=1'-0" dt-tree-decd.dwg

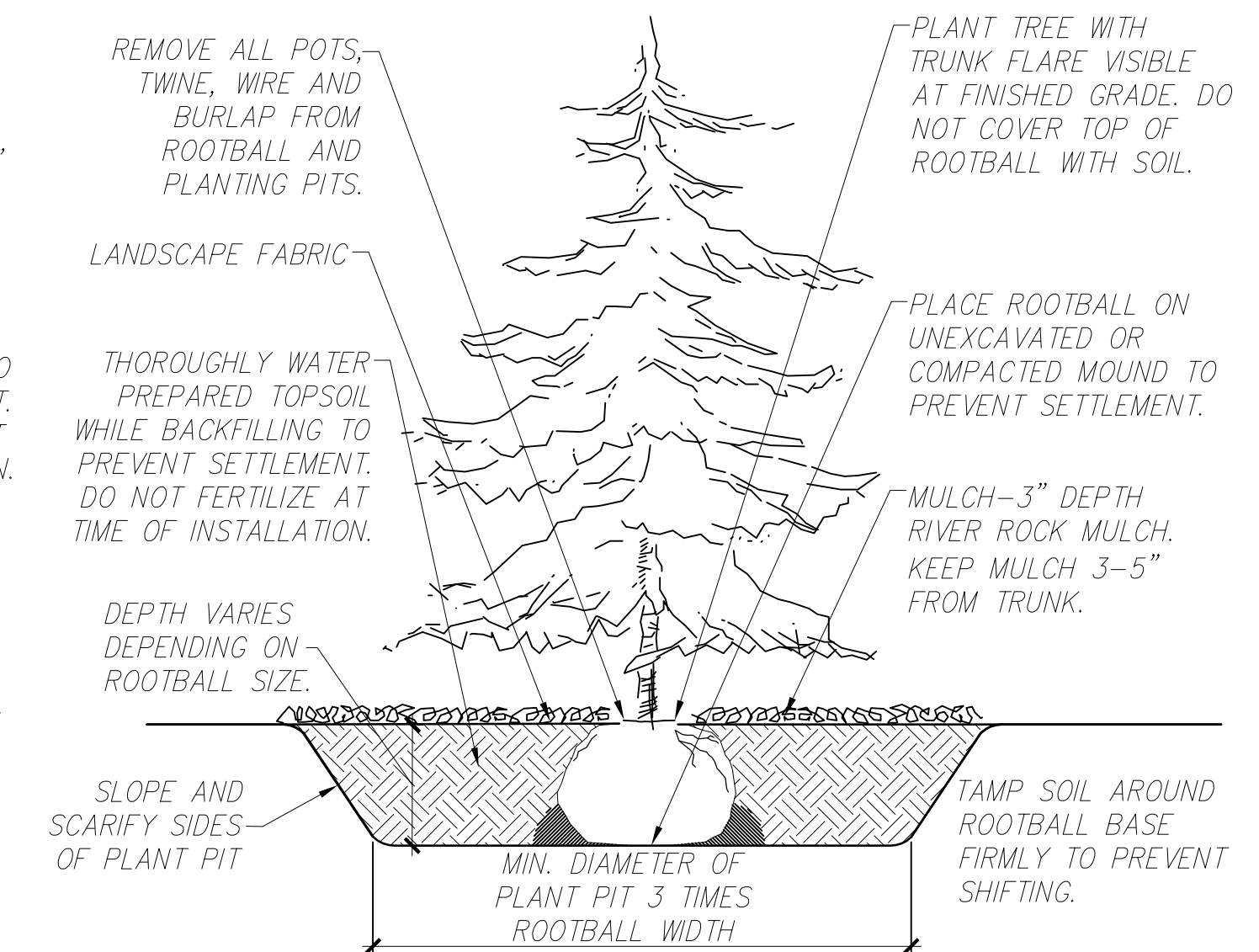


NOTE:
 1. INSTALL PROTECTION FENCING PER PLANS.
 2. INSTALL PROTECTION FENCE BEFORE WORK BEGINS.
 3. CONTRACTOR TO MAINTAIN FENCE IN VERTICAL POSITION AND GOOD REPAIR THROUGHOUT DURATION OF WORK.
 4. FENCE MAY BE REMOVED AT TIME OF HYDROSEEDING WITH ENGINEER'S APPROVAL.

6 TREE PROTECTION TEMPORARY FENCING
 L5.01 SCALE: 1/4"=1'-0" dt-fenc-cnst.dwg



4 SHRUB PLANTING
 L5.01 SCALE: 3/4"=1'-0" dt-shrb.dwg



2 EVERGREEN TREE PLANTING
 L5.01 SCALE: 3/4"=1'-0" dt-tree-evgn.dwg



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| | |
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| Project Mgr. | JACA |
| Drawn | MS |
| Checked | KG WDA |
| Date | 06/02/2014 |

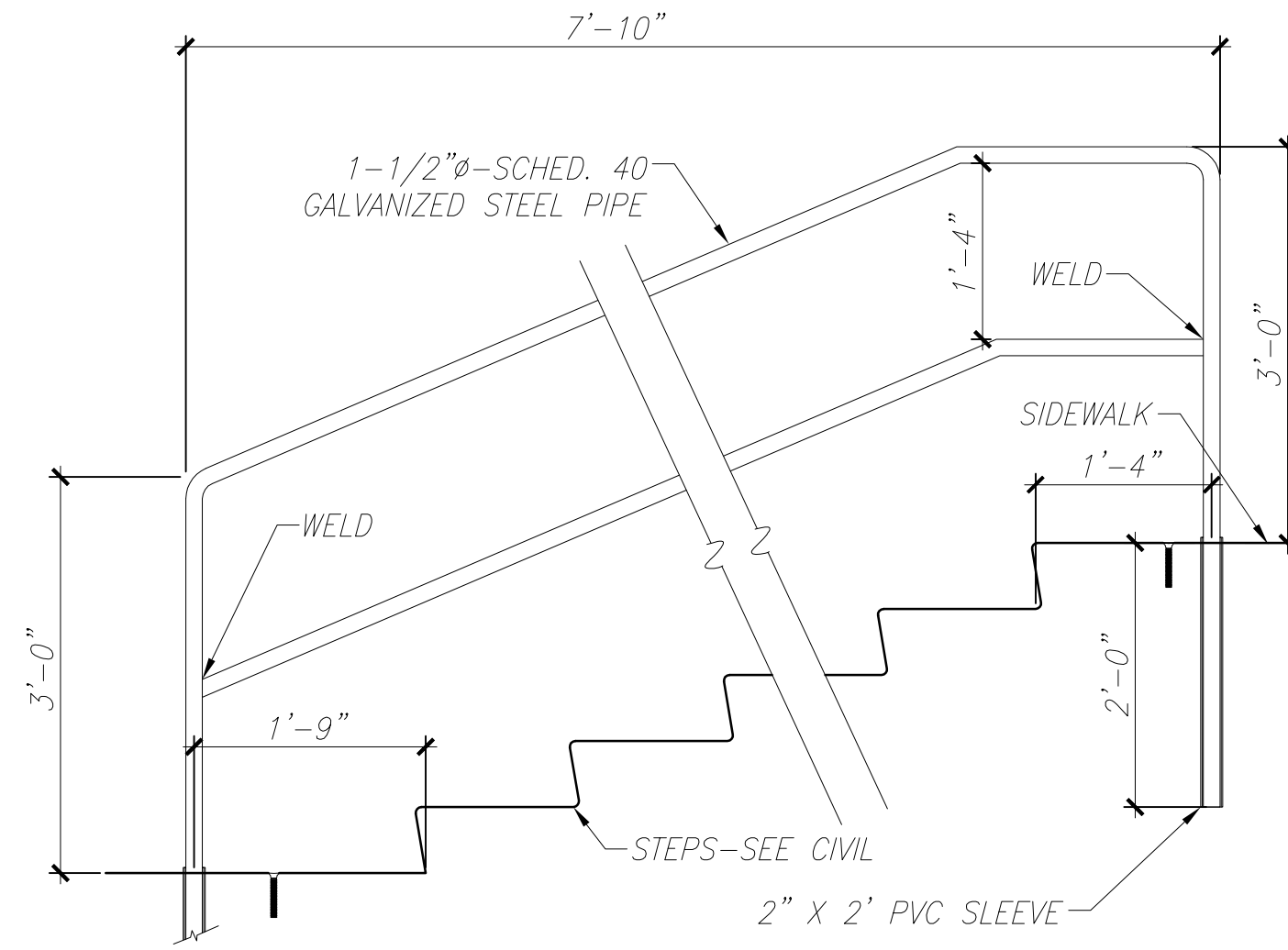
Sheet Contents:
LANDSCAPE DETAILS

Sheet No.:
L5.01

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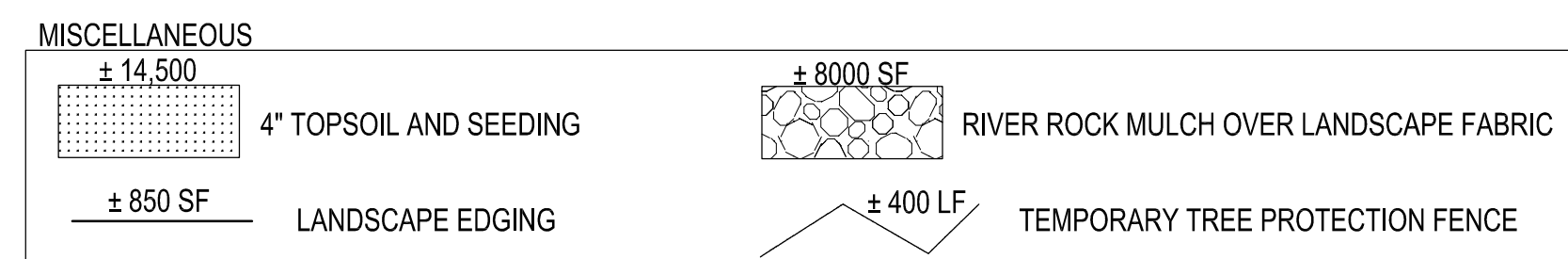
NOTES:
 1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF HANDRAILS FOR REVIEW.
 2. ALL ATTACHMENTS TO BE WELDED ALL AROUND (3/16" MIN.). GRIND SMOOTH ALL WELDS UNLESS NOTED.
 3. EASE ALL EDGES AFTER FABRICATION.
 4. CLEAN ALL SURFACES AFTER FABRICATION AND INSTALLATION.



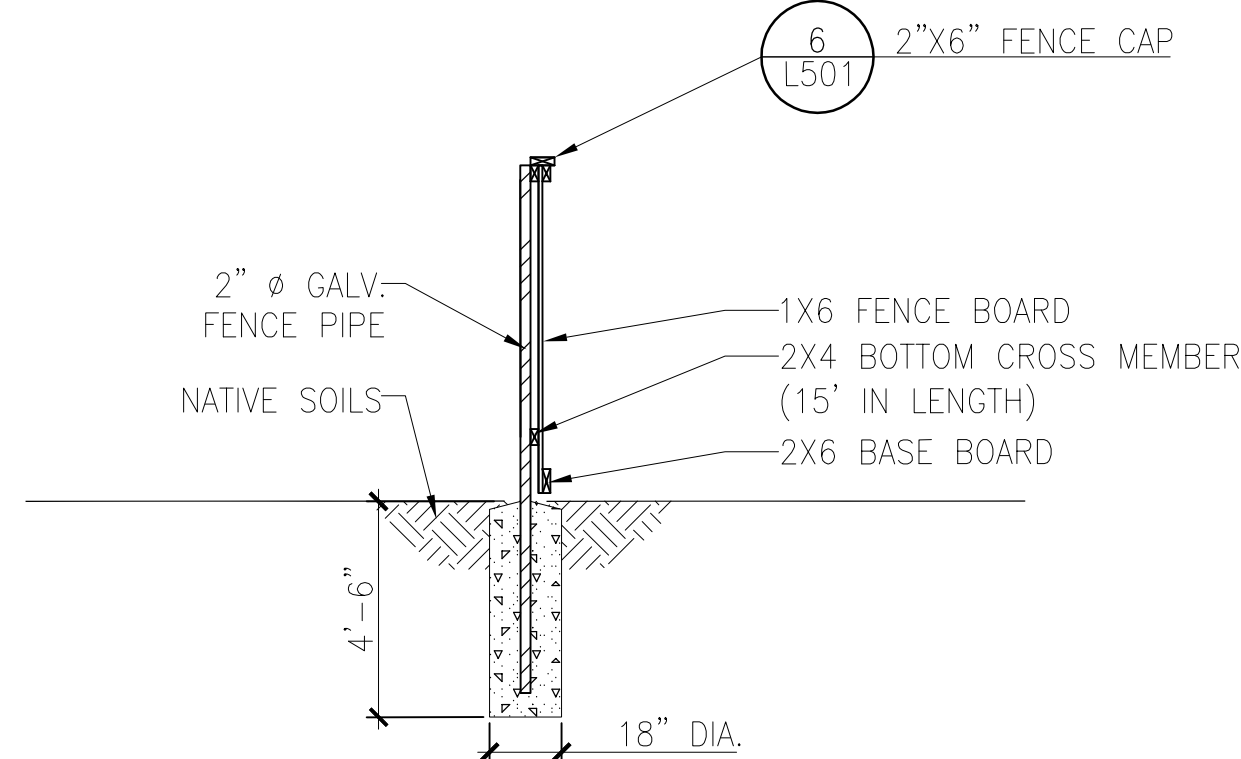
4 HANDRAIL
 L5.02 SCALE: NTS dt-hand-rail-elev_VA.dwg

PLANTING SCHEDULE

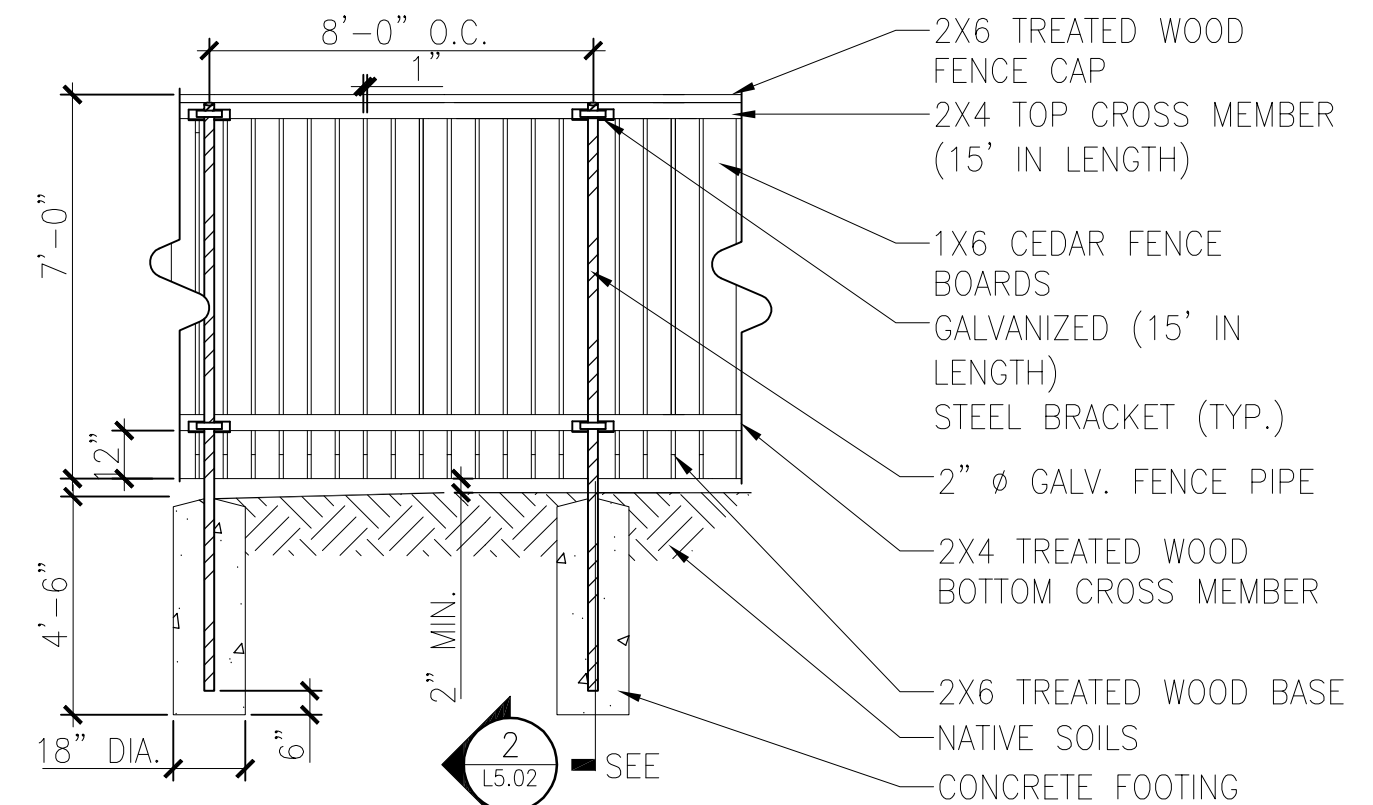
| QTY | SYMBOL | LABEL | LATIN NAME | COMMON NAME | SIZE | FURNISHED | NOTES |
|-------------------------|--------|-------|--------------------------|----------------------|--------------------------|-----------------------------------|---|
| EVERGREEN TREES | | | | | | | |
| 11 | | PG | PICEA GLAUCA | WHITE SPRUCE | 6' HT. 8' H X 3' BASE | CONTAINER OR B&B-NURSERY GROWN | |
| DECIDUOUS TREES | | | | | | | |
| 29 | | BP | BETULA PAPYRIFERA | PAPER BIRCH | 2" CAL. | FIELD COLLECTED | SINGLE STEM 12' MAX HEIGHT-W/BRANCHING AT 5' ABOVE ROOTBALL OR LOWER |
| SHRUBS and FERNS | | | | | | | |
| 41 | | CL | COTONEASTER LUCIDUS | HEDGE COTONEASTER | 24" HT. | CONTAINER | |
| 7 | | CB | CORNUS ALBA 'IVORY HALO' | 'IVORY HALO' DOGWOOD | 36" HT. | CONTAINER | |
| 55 | | PF | POTENTILLA FRUTICOSA | BUSH CINQUEFOIL | 24" HT. | CONTAINER | |
| 28 | | RSA | ROSA RUGOSA | RUGOSA ROSE | 24" HT. | CONTAINER | |
| 4 | | RR | ROSA RUBRIFOLIA | RED LEAFED ROSE | 24" HT. | CONTAINER | |
| 20 | | RAL | RIBES ALPNUM | ALPINE CURRANT | 24" HT. | CONTAINER | |
| 26 | | WF | DRYOPTERIS DILTATA | WOOD FERN | 24" HT. | CONTAINER | |



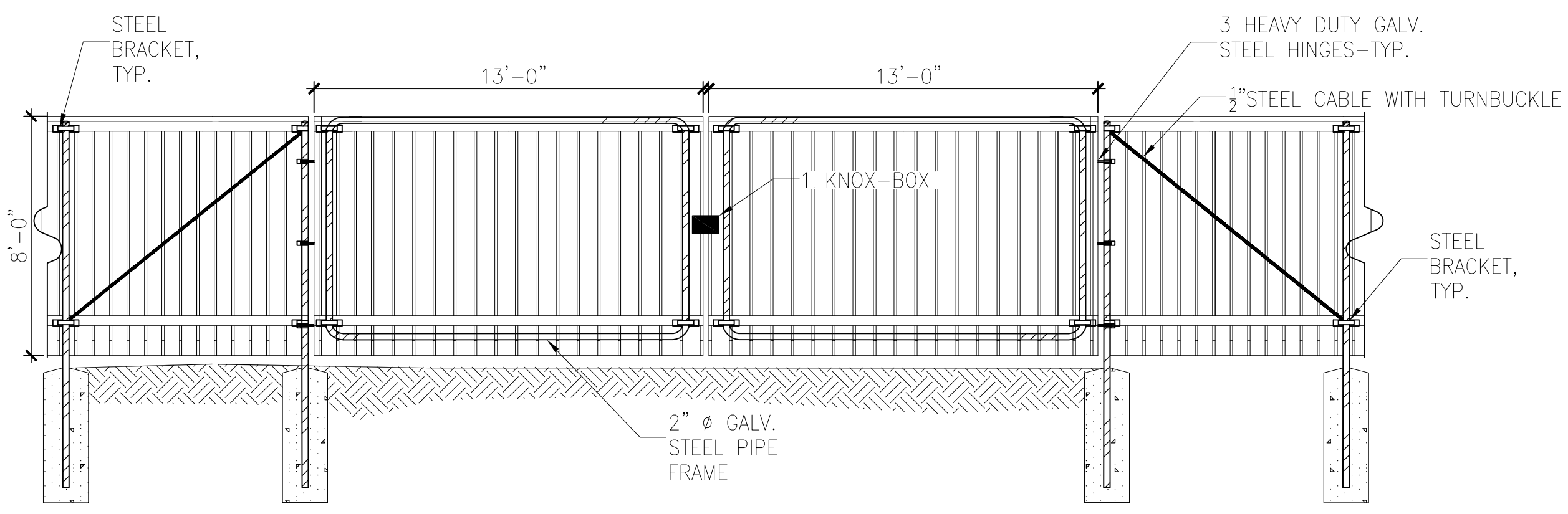
LANDSCAPE NOTES:
 1. ALL PLANTS ARE NURSERY GROWN UNLESS SPECIFIED OTHERWISE.
 2. AS NOTED PLANTING BEDS SHALL RECEIVE 18" TOPSOIL AND 3" - 3" MINUS RIVER ROCK MULCH OVER LANDSCAPE FABRIC EXCEPT IN FERN PLANTING BEDS WHICH SHALL RECEIVE HARDWOOD MULCH W/O LANDSCAPE FABRIC.
 3. REFER TO SHEETS L5.01 AND L5.02 FOR LANDSCAPE DETAILS.
 4. 4" TOPSOIL AND SEED ALL DISTURBED AREAS WITH SCHEDULED NOTED ON PLANS.
 5. PROVIDE TREE RING FOR DECIDUOUS TREES PLANTED IN LAWN AREAS-TREE RING TO HAVE 3" MINUS RIVER ROCK MULCH.



2 SCREEN FENCE SECTION
 L5.02 SCALE: 1/4"=1'-0" dt-fenc-wood-scrn-sect.dwg



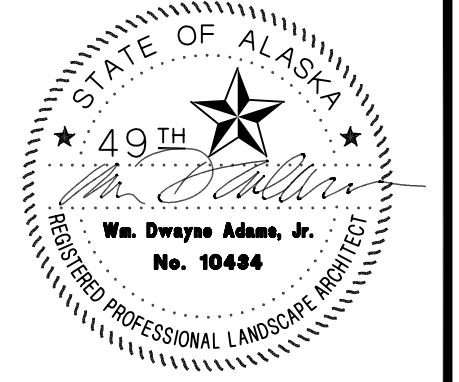
1 SCREEN FENCE DETAIL
 L5.02 SCALE: 1/4"=1'-0" dt-fenc-wood-scrn.dwg



3 SCREEN FENCE GATE DETAIL
 L5.02 SCALE: 1/4"=1'-0" dt-fenc-wood-scrn-gate.dwg

Blue Grass Seed Mix
 Application Rate: 6 lbs./1,000 square feet

| Name | Proportion By Weight | Purity | Germination |
|-------------------------|----------------------|--------|-------------|
| Kentucky Bluegrass | | | |
| - Alpine (Poa alpine) | 45% | 90% | 85% |
| - Alene (Poa pratensis) | 45% | 90% | 85% |
| Annual Ryegrass | | | |
| - Lolium multiflorum | 10% | 90% | 85% |



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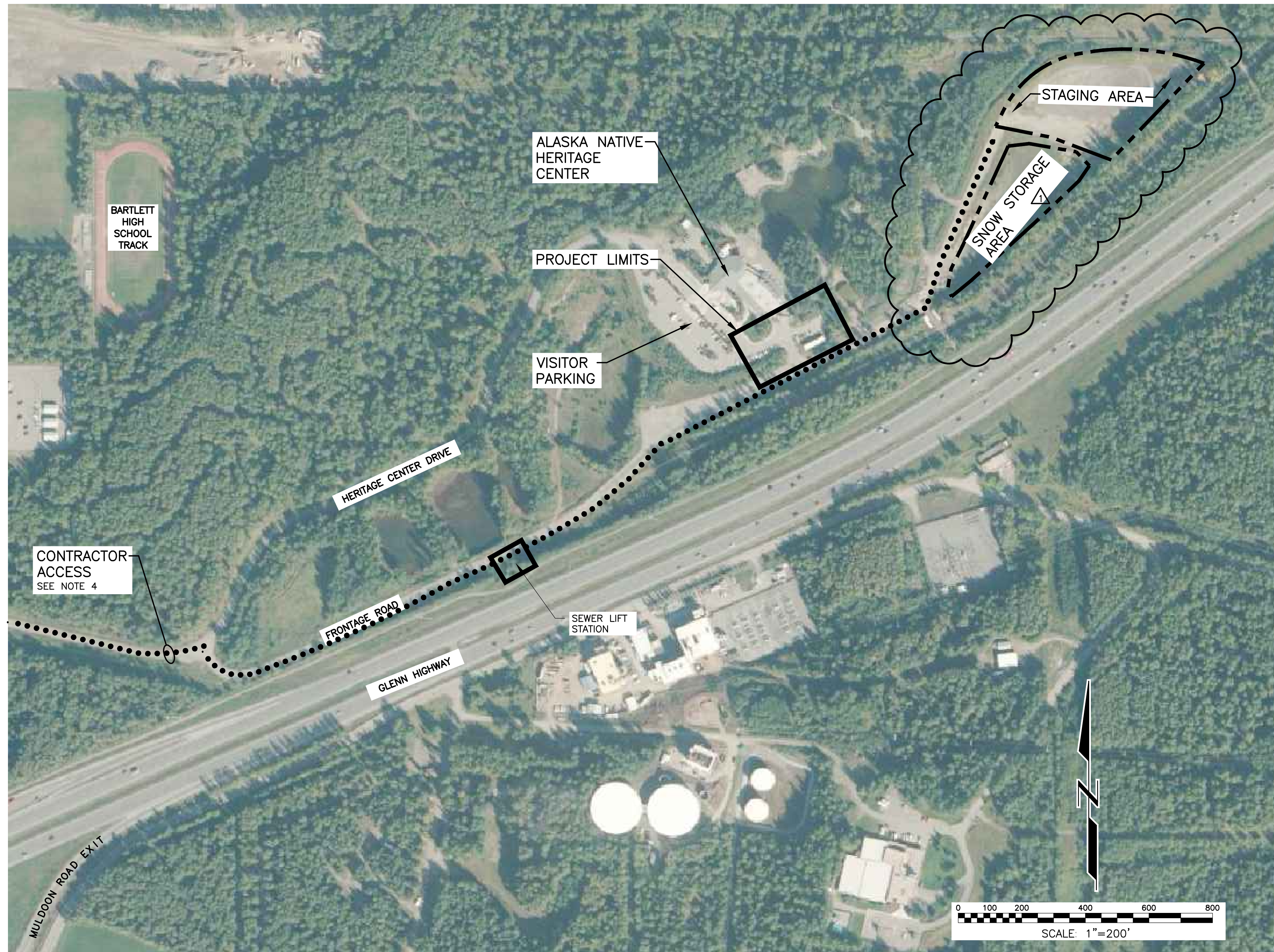
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| Project Mgr. | JACA |
| Drawn | MS |
| Checked | KG WDA |
| Date | 06/02/2014 |

Sheet Contents:
LANDSCAPE DETAILS

Sheet No.:
L5.02
 USKH W.O. 1331601

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1
CO.1 LAYOUT PLAN
SCALE: 1"=200'

GENERAL NOTES

1. PRIOR TO CONSTRUCTION, LOCATE AND VERIFY THE HORIZONTAL AND VERTICAL SURVEY CONTROL TO ENSURE IT HAS NOT BEEN DESTROYED OR DISTURBED. IN THE EVENT THE CONTRACTOR IS UNABLE TO LOCATE AND VERIFY SURVEY CONTROL, THE CONTRACTOR SHALL NOTIFY THE OWNER TO REESTABLISH THE MISSING SURVEY CONTROL.
2. LOCATIONS OF ALL UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN UTILITY FIELD LOCATES PRIOR TO EXCAVATION AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE PROJECT AREA AND SHALL RECORD SAME ON RECORD DRAWINGS.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF MASS SPECIFICATIONS AND STANDARD DETAILS, UNLESS OTHERWISE SPECIFIED.
4. ACCESS TO THE PROJECT SITE SHALL BE LIMITED TO THE ROUTE AND AREAS SHOWN. PROVIDE CONTINUOUS EMERGENCY ACCESS THROUGH THE SITE TO ALL ANHC FACILITIES. VISITOR PARKING AREA IS NOT AVAILABLE FOR CONTRACTOR USE.
5. PROVIDE TEMPORARY FENCING TO LIMIT PUBLIC ACCESS TO PROJECT SITE.
6. CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL AND SHALL PROVIDE TESTING AS INDICATED IN MASS AND AS REQUIRED TO VERIFY THAT CONSTRUCTION IS ACCEPTABLE.
7. ALL SCALES ARE GIVEN IN FEET, AND CORRELATE TO A FULL SIZE PLAN SET (22X34). HALF SIZE PLANS (11X17) REQUIRE USING A SCALING FACTOR OF 1"=2X'.

ABBREVIATIONS & ACRONYMS

| | |
|--|--|
| AC ASPHALT PAVEMENT | MAX MAXIMUM |
| ADA AMERICANS WITH DISABILITIES ACT | ME MATCH EXISTING |
| ADEC ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION | MH MANHOLE |
| AFD ANCHORAGE FIRE DEPARTMENT | MIN MINIMUM |
| ANHC ALASKA NATIVE HERITAGE CENTER | MOA MUNICIPALITY OF ANCHORAGE |
| AWWU ANCHORAGE WATER & WASTEWATER UTILITY | N NOTHING, NORTH |
| CL CENTERLINE | N.T.S. NOT TO SCALE |
| CO CLEANOUT | O.C. ON CENTER |
| CPEP CORRUGATED POLYETHYLENE PIPE | OSHA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION |
| C&G CURB AND GUTTER | PC POINT OF CURVATURE |
| DI DUCTILE IRON | PCC PORTLAND CEMENT CONCRETE |
| DIP DI PIPE | PI POINT OF INTERSECTION |
| E EASTING, EAST | PT POINT OF TANGENCY |
| EG EXISTING GROUND | R RADIUS |
| ELEV ELEVATION | RP RADIUS POINT |
| EOP EDGE OF PAVEMENT | RPC RED PLASTIC CAP |
| F&I FURNISH AND INSTALL | RT RIGHT |
| FF FINISH FLOOR | S SLOPE, SEWER, SOUTH |
| FG FINISHED GRADE | SD STORM DRAIN |
| GALV GALVANIZED | SS STAINLESS STEEL, SANITARY SEWER |
| GB GRADE BREAK | STA STATION |
| GV GATE VALVE | SWPPP STORM WATER POLLUTION PREVENTION PLAN |
| HDPE HIGH DENSITY POLYETHYLENE | TBC TOP BACK OF CURB |
| INV INVERT | TBD TO BE DETERMINED |
| INT INTERSECTION | TYP TYPICAL |
| L LENGTH | VB VALVE BOX |
| LF LINEAR FEET | W WATER, WEST |
| LT LEFT | WWF WELDED WIRE FABRIC |
| MASS MOA STANDARD SPECIFICATIONS | |

LEGEND


| EXISTING | PROPOSED | |
|-----------|-----------|------------------------------------|
| — 350 — | — 370 — | CONTOURS |
| — UGE — | — UGE — | ELECTRICAL, UNDERGROUND |
| — S — | — W — | SEWER |
| — W — | — W — | WATER LINE |
| — — — — — | — RD — | ROOF DRAIN LINE |
| — G — | — G — | STORM DRAIN CULVERT |
| — UGT — | — UGT — | GAS |
| — — — — — | — — — — — | UNDERGROUND COMMUNICATION |
| — — — — — | — — — — — | EDGE OF ASPHALT |
| — — — — — | — — — — — | CONCRETE |
| — — — — — | — — — — — | ASPHALT |
| — — — — — | — — — — — | GRAVEL |
| — — — — — | — — — — — | TREE / BRUSH LINE, CLEARING LIMITS |
| — — — — — | — — — — — | CUT |
| — — — — — | — — — — — | FILL |
| — — — — — | — — — — — | FENCE |
| — — — — — | — — — — — | DITCH FLOW |
| — — — — — | — — — — — | CONTRACTOR HAUL ROUTE |
| — — — — — | — — — — — | FINISHED GRADE ELEVATION |
| — — — — — | — — — — — | LIGHT POLE |
| — — — — — | — — — — — | POWER POLE |
| — — — — — | — — — — — | SIGN |
| — — — — — | — — — — — | JUNCTION BOX |
| — — — — — | — — — — — | FIRE HYDRANT |
| — — — — — | — — — — — | VALVE |
| — — — — — | — — — — — | CLEANOUT |
| — — — — — | — — — — — | MONITORING WELL |

CALL BEFORE YOU DIG
The Contractor shall notify all area utility companies prior to commencement of excavation. The following is a partial list:
LOCATE CALL CENTER of ALASKA 278-3121 (includes ACS, AWWU, CEA, ENG, Butler Aviation/Tesoro, STATE GC, MLP, Traffic Signals, MOA Storm/Streets)
MILITARY PETROLEUM LINES 552-3760



Date Stamped: 6/2/2014

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| Revision | |
| Date | 9/7/14 |



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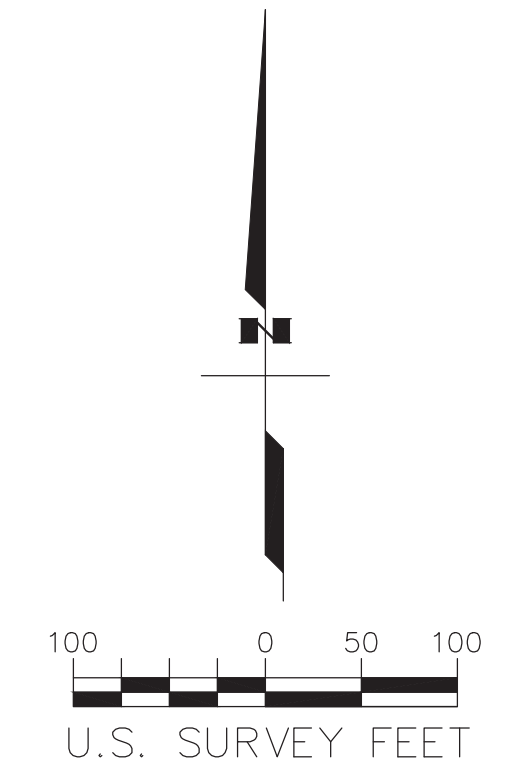
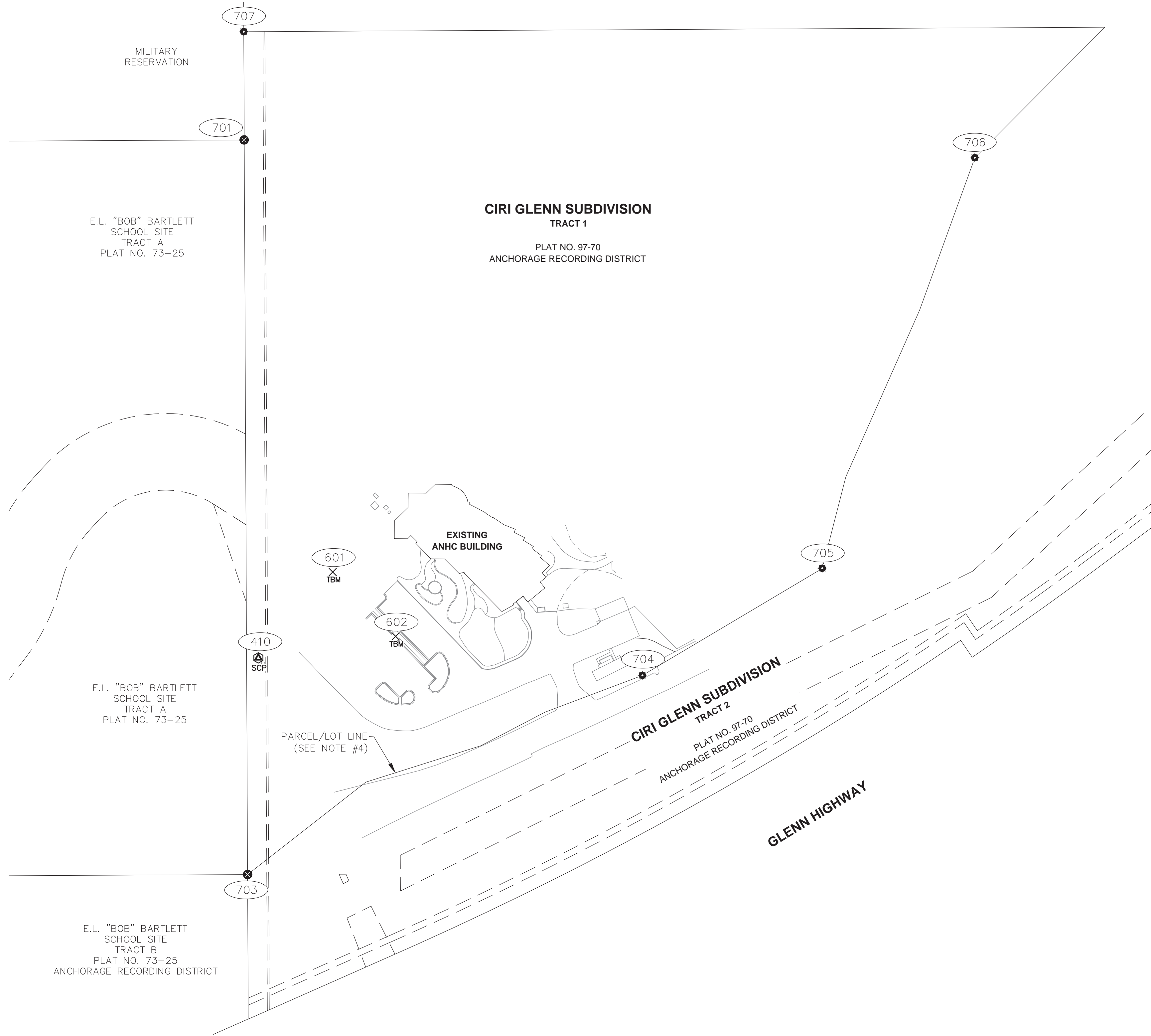
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| Project Mgr. | JAC |
| Drawn | |
| Checked | |
| Date | 06/02/2014 |

Sheet Contents:
LOCATION MAP AND LEGEND

Sheet No.:
C0.1

USKH W.O. 1331601

FILE: I:\1331601\DWGS\C\ SHEETS\1331601_CO.2.DWG PLOTTED: Apr. 24, 2014 - 1:41:06 PM (Brianna Steffler)



- LEGEND**
- ### POINT NUMBER IDENTIFIER
 - SCP SET PROJECT CONTROL POINT
 - ⊗ FOUND RECTANGULAR SURVEY MONUMENT (BRASS CAP)
 - FOUND REBAR
 - TBM SET TEMPORARY BENCHMARK
 - PARCEL/LOT LINES (SEE NOTE #4)
 - - - EASEMENT LINES (SEE NOTE #4)
 - RIGHT-OF-WAY LINES (SEE NOTE #4)

HORIZONTAL CONTROL STATEMENT:
 Coordinate System:
 This project is located entirely within the Anchorage Bowl 2000 adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation.
 Basis of Coordinates:
 The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303939.2310 N, 353362.5446 E. U.S. Survey Feet.
 Basis of Bearings:
 The Basis of Bearings is a local plane bearing between NGS Station O'Malley and NGS Station Loop 2 USE RM 3 1964. NGS Station Loop 2 USE RM 3 1964 bears N 01°43'26.4" E a distance of 49488.4476 feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353405.2778 N, 354851.3982 E. U.S. Survey Feet.
 Translation Parameters:
 To convert the local coordinates to NAD83 (92) State Plane U.S. Foot coordinates, translate using +2,296,868.6878 N usf, +1,312,517.4904 E usf, and scale using 0.9998910192.

VERTICAL CONTROL STATEMENT:
 Vertical Datum:
 Municipality of Anchorage (MOA) datum in U.S. Survey Feet, holding MOA Benchmark "GAAB 10" as 252.18'.

GENERAL SURVEY NOTES:

- Three-dimensional control points herein were surveyed using a combination of conventional, static GPS, and RTK GPS techniques. GPS measurements were performed using Trimble R8 GNSS receivers and processed using Trimble Business Center v3.03 software. Vertical control was surveyed using a Trimble DINI digital bar code level.
- The field survey was completed during November 2013 by USKH Inc.
- All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted.
- This is not a boundary survey. All tract, right-of-way, and easement lines are shown for orientation purposes only. Not all easements and other encumbrances may be shown hereon.

| FOUND PROPERTY CORNERS | | | |
|------------------------|------------|------------|---------------------|
| Point # | Northing | Easting | DESCRIPTION |
| 701 | 346671.166 | 377676.084 | Found Brass Cap |
| 703 | 345521.232 | 377681.525 | Found Brass Cap |
| 704 | 345832.938 | 378299.847 | Found Rbr/BENT OVER |
| 705 | 346000.652 | 378581.497 | Found Rbr/BENT OVER |
| 706 | 346643.450 | 378820.297 | Found Rbr/YPC DOWL |
| 707 | 346840.673 | 377675.465 | Found Rbr/YPC DOWL |

| FOUND PROPERTY CORNER (NOT SHOWN HEREON) | | | |
|--|------------|------------|-----------------|
| Point # | Northing | Easting | DESCRIPTION |
| 702 | 344994.439 | 377683.949 | Found Brass Cap |

| SET PROJECT CONTROL | | | | |
|---------------------|------------|------------|-----------|--------------------------------------|
| Point # | Northing | Easting | Elevation | DESCRIPTION |
| 410 | 345860.318 | 377698.414 | 281.86 | SET 5/8"RBR/RPC[USKH]: CONTROL POINT |

| FOUND PROJECT CONTROL (NOT SHOWN HEREON) | | | | |
|--|------------|------------|-----------|--|
| Point # | Northing | Easting | Elevation | DESCRIPTION |
| 401 | 346612.834 | 375006.966 | 239.55 | FOUND 5/8"RBR/RPC[USKH]: CONTROL POINT |

| SET TEMPORARY BENCHMARKS | | | | |
|--------------------------|----------|---------|-----------|--|
| Point # | Northing | Easting | Elevation | DESCRIPTION |
| 601 | 345995 | 377815 | 275.17 | Set TBM: Marked "X" Top of SW bolt of banner pole base |
| 602 | 345894 | 377913 | 273.42 | Set TBM: Marked "X" Top of SW bolt of banner pole base |

Surveyor's Certificate

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

Brianna C. Steffler 04/24/14

Brianna C. Steffler LS-13016 Date



| By | Revision | Date |
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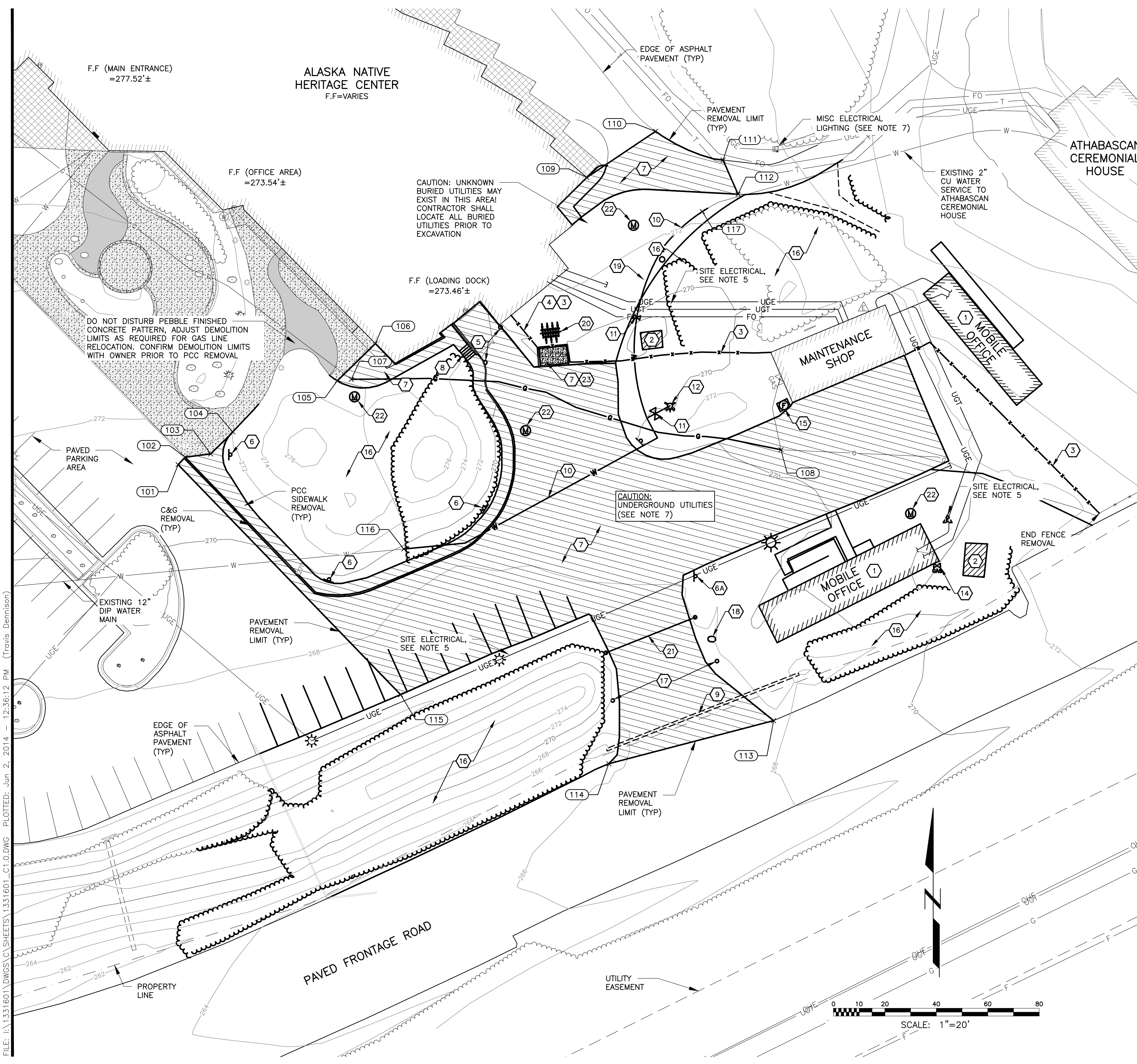
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| Drawn | |
| Checked | |
| Date | 04/25/2014 |

Sheet Contents:
SURVEY CONTROL SHEET

Sheet No.:
C0.2

USKH W.O. 1331601



GENERAL NOTES:

- OWNER RESERVES THE RIGHT OF FIRST REFUSAL FOR SALVAGEABLE MATERIALS AND EQUIPMENT SCHEDULED FOR DEMOLITION. ALL REMOVED MATERIAL (INCLUDING EXCAVATION WASTE) WILL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE IN A LEGAL MANNER.
- COORDINATE THE REMOVAL OF ANY PERSONAL PROPERTY LOCATED WITHIN THE PROJECT AREA WITH THEIR RESPECTIVE OWNERS
- REMOVAL OF DEBRIS, GARBAGE, AND OTHER MATERIAL NOT SHOWN ON THE PLAN IS INCIDENTAL TO THE WORK.
- EXISTING DRIVEWAYS, ROADS, AND WALKWAYS SHALL BE MAINTAINED IN USEABLE CONDITION WHENEVER SCHOOL IS IN SESSION. MAINTAIN OFFSITE HAUL ROADS, AND REPAIR DAMAGED ROADS TO THEIR ORIGINAL STATE. MAINTENANCE OF OFFSITE HAUL ROADS IS INCIDENTAL.
- SEE SHEET E1.1 FOR ELECTRICAL DEMOLITION.
- COORDINATE LIMITS OF CLEARING AND DEMOLITION WITH PROPOSED SITE PLAN, SEE C2.0. FLAG CLEARING LIMITS AND SCHEDULE AN INSPECTION WITH THE OWNER PRIOR TO ANY CLEARING ACTIVITIES.
- ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR SHALL COORDINATE GAS LINE RELOCATION WITH ENSTAR.

SHEET NOTES:

- RELOCATE BUILDING AND ASSOCIATED RAMPS, STAIRS, AND FOUNDATION. LOCATION TBD BY THE OWNER.
- RELOCATE SHED. COORDINATE FINAL LOCATION WITH THE OWNER.
- REMOVE FENCE
- REMOVE GATE
- REMOVE BOLLARD
- RELOCATE SIGN. SALVAGE POST AND FOUNDATION IF PRACTICABLE. DAMAGED OR OTHERWISE COMPROMISED POSTS/FOUNDATIONS SHALL BE DISPOSED OF.
- REMOVE SIGN.
- REMOVE ASPHALT OR PCC PAVEMENT, AND ASSOCIATED CURB AND GUTTER.
- REMOVE CONCRETE STAIRCASE AND LANDING.
- REMOVE CULVERT PIPE
- REMOVE WATER PIPE
- REMOVE VALVE
- REMOVE FIRE HYDRANT
- GAS LINE TO BE REMOVED BY OTHERS, SEE NOTE 8
- GAS METER TO BE REMOVED BY OTHERS, SEE NOTE 8
- TEMPORARILY REMOVE AND REPLACE FUEL STORAGE SHED AS REQUIRED.
- CLEAR AND GRUB EXISTING VEGETATION AS REQUIRED
- RELOCATE POST, SEE SHEET C2.0
- REMOVE ROCK
- RELOCATE PCC TRASH BIN
- RELOCATE BICYCLE RACK
- RELOCATE GATE, SEE SHEET C2.0
- REMOVE MONITORING WELL
- RELOCATE DUMPSTER. COORDINATE LOCATION WITH THE OWNER.

| DEMOLITION POINT COORDINATE TABLE | | | |
|-----------------------------------|-----------|-----------|-------------------------------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 101 | 345893.46 | 377995.43 | PAVEMENT REMOVAL |
| 102 | 345896.36 | 377998.19 | BEGIN CURB AND GUTTER REMOVAL |
| 103 | 345897.65 | 378008.08 | PAVEMENT REMOVAL |
| 104 | 345906.19 | 378016.65 | PAVEMENT REMOVAL |
| 105 | 345926.08 | 378057.35 | PAVEMENT REMOVAL |
| 106 | 345940.56 | 378072.14 | PAVEMENT REMOVAL |
| 107 | 345926.84 | 378062.77 | BEGIN GAS LINE REMOVAL (SEE NOTE 8) |
| 108 | 345899.25 | 378229.82 | END GAS LINE REMOVAL (SEE NOTE 8) |
| 109 | 346005.12 | 378154.33 | PAVEMENT REMOVAL |
| 110 | 346023.07 | 378181.07 | PAVEMENT REMOVAL |
| 111 | 346011.91 | 378207.29 | PAVEMENT REMOVAL |
| 112 | 345998.64 | 378213.14 | PAVEMENT REMOVAL |
| 113 | 345793.92 | 378226.96 | PAVEMENT REMOVAL |
| 114 | 345777.15 | 378162.89 | PAVEMENT REMOVAL |
| 115 | 345804.02 | 378081.94 | PAVEMENT REMOVAL |
| 116 | 345860.67 | 378083.18 | BEGIN WATER LINE REMOVAL |
| 117 | 345991.89 | 378199.25 | END WATER LINE REMOVAL |

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Anchorage, Alaska

Alaska Native Heritage Center
8800 Heritage Drive
Anchorage, Alaska 99504

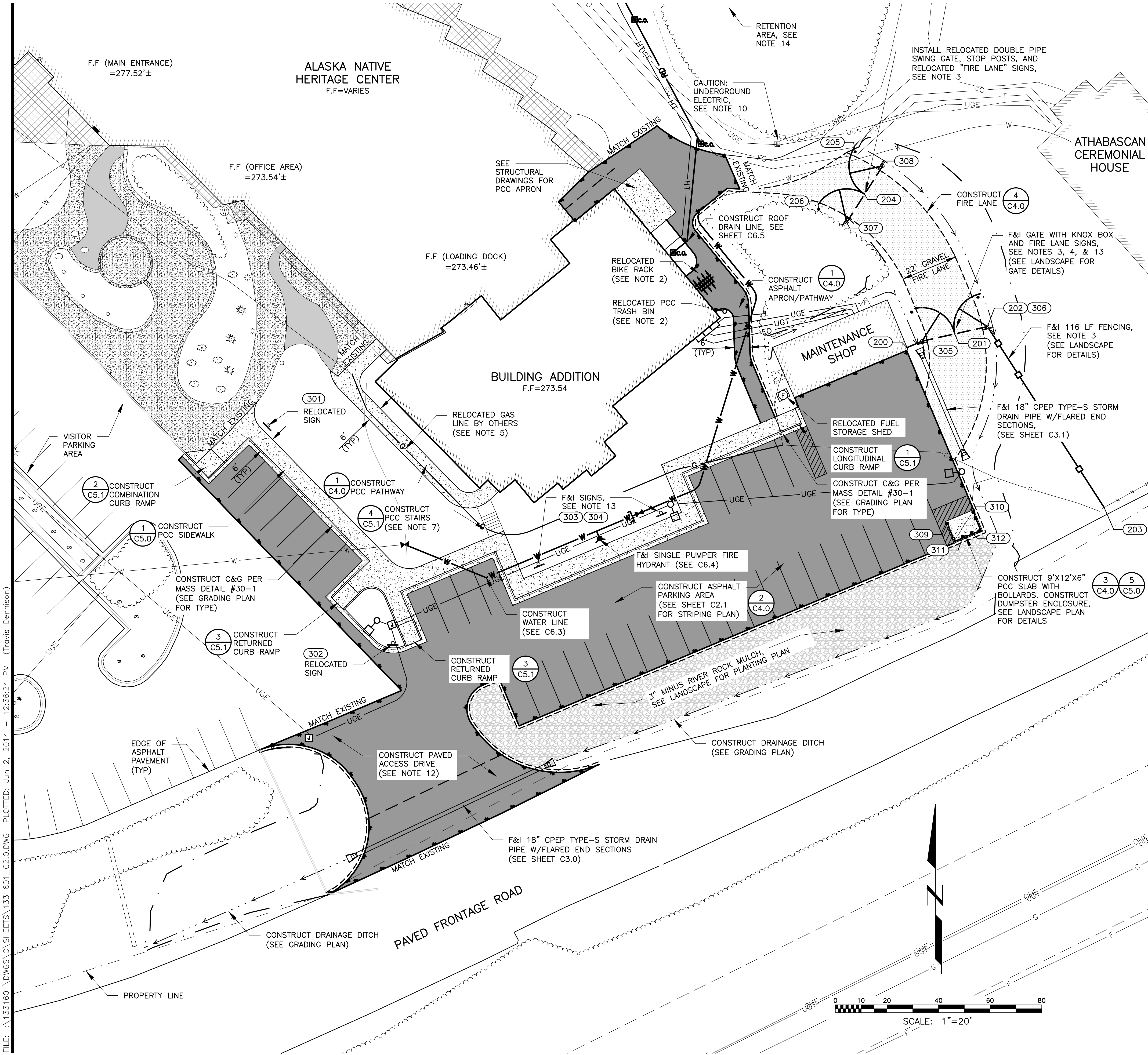
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| Project Mgr. | JAC |
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| Checked | |
| Date | 06/02/2014 |

Sheet Contents:
EXISTING CONDITIONS AND DEMOLITION

Sheet No.:
C1.0

USKH W.O. 1331601

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GENERAL NOTES:

- CONTRACTOR SHALL DISPOSE OF ALL EXCAVATION WASTE MATERIAL OFFSITE UNLESS OTHERWISE DIRECTED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE FINAL LOCATION OF ALL RELOCATED BUILDING AND STRUCTURES.
- STAKE FENCING AND GATE LOCATIONS FOR CONFIRMATION BY THE OWNER, PRIOR TO CONSTRUCTION.
- FURNISH AND INSTALL KNOX BOX ON VEHICLE GATE AS INDICATED. CONTRACTOR SHALL COORDINATE KEYING WITH THE ANCHORAGE FIRE DEPARTMENT KNOX BOX PROGRAM AT 907-267-4994.
- CONTRACTOR SHALL COORDINATE GAS LINE RELOCATION WITH ENSTAR. MAINTAIN 10' MINIMUM CLEARANCE FROM NEW BUILDING FOUNDATION.
- SEE ELECTRICAL FOR NEW SITE LIGHTING AND UNDERGROUND POWER.
- CONSTRUCT PCC STAIRS, 6 RISERS TOTAL. SEE LANDSCAPE FOR HANDRAIL DETAILS.
- COORDINATE OPEN TRENCH CONSTRUCTION SCHEDULE WITH THE OWNER, AND PROVIDE TEMPORARY ACCESS TO THE FACILITIES DURING CONSTRUCTION, AS DIRECTED BY THE OWNER.
- EXISTING DRIVEWAYS, ROADS, AND WALKWAYS SHALL BE MAINTAINED IN USEABLE CONDITION DURING CONSTRUCTION. MAINTAIN OFF SITE HAUL ROADS, AND REPAIR DAMAGED ROADS TO THEIR ORIGINAL STATE. MAINTENANCE OF OFFSITE HAUL ROADS IS INCIDENTAL.
- ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR SHALL OBTAIN UTILITY LOCATES AND FIELD VERIFY LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL ASBUILT ALL PIPING INSTALLED, INCLUDING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES ENCOUNTERED.
- IN PREPARATION TO AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR SHALL SAW CUT AND REMOVE AN ADDITIONAL 12" FROM THE EXISTING PAVEMENT EDGE. THE OWNER'S REPRESENTATIVE MAY REQUIRE ADDITIONAL PAVEMENT REMOVAL IF THE EXISTING PAVEMENT IS IN POOR CONDITION, OR HAS OTHERWISE BEEN DAMAGED BY CONSTRUCTION ACTIVITIES.
- APRON EARTHWORK SECTION SHALL BE THE SAME AS THE PAVED PARKING LOT SECTION.
- REGULATORY SIGNS SHALL CONFORM TO THE MUNICIPALITY OF ANCHORAGE TRAFFIC DEPARTMENT TRAFFIC SIGN MANUAL ADDENDUM.
- CONTRACTOR SHALL CONDUCT INFILTRATION TESTING IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE DRAINAGE DESIGN GUIDE SECTION 9.2.1 (TESTING INFILTRATION CAPACITY). TESTING SHALL BE PERFORMED BY A QUALIFIED ENGINEER OR GEOLOGIST PRIOR TO CONSTRUCTION OF THE ROOF DRAIN LINE. NOTIFY THE ENGINEER IMMEDIATELY IF THE TESTS DO NOT SATISFY THE MINIMUM INFILTRATION RATE OF 0.3 IN/HR. THE ENGINEER MAY REQUEST ADDITIONAL INFILTRATION TESTING AT NO COST.

| FENCING COORDINATE TABLE | | | |
|--------------------------|-----------|-----------|------------------------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 200 | 345937.09 | 378277.99 | END FENCE |
| 201 | 345942.38 | 378296.52 | CENTER 26-FOOT GATE |
| 202 | 345945.21 | 378309.20 | CORNER |
| 203 | 345875.04 | 378354.45 | END FENCE, TIE INTO EXISTING |
| 204 | 345996.60 | 378261.57 | CENTER OF RELOCATED GATE |
| 205 | 346013.06 | 378257.87 | RELOCATED GATE STOP |
| 206 | 345990.76 | 378243.74 | RELOCATED GATE STOP |

| SIGN SUMMARY TABLE | | | |
|--------------------|-----------|-----------|----------------------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 301 | 345906.89 | 378030.28 | ADMIN ENTRANCE |
| 302 | 345822.45 | 378078.55 | SOUTH LOADING, BUSES |
| 303 | 345853.01 | 378135.06 | FIRE LANE R7P-115, R7-203R |
| 304 | 345872.98 | 378182.55 | FIRE LANE R7P-115, R7-203L |
| 305 | 345939.56 | 378283.83 | FIRE LANE R7P-115 |
| 306 | 345945.21 | 378309.20 | FIRE LANE R7P-115 |
| 307 | 345985.63 | 378254.60 | FIRE LANE R7P-115 |
| 308 | 346007.58 | 378268.54 | FIRE LANE R7P-115 |

| BOLLARD COORDINATE TABLE | | | |
|--------------------------|-----------|-----------|-------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 309 | 345868.78 | 378293.60 | 6" BOLLARD |
| 310 | 345873.05 | 378303.74 | 6" BOLLARD |
| 311 | 345863.75 | 378299.68 | 6" BOLLARD |
| 312 | 345865.17 | 378303.06 | 6" BOLLARD |



STATE OF ALASKA
49th
TRAVIS DENNISON
REGISTERED PROFESSIONAL ENGINEER
CE 11996

Date Stamped: 6/2/2014

| By | Rev | Date | Revision |
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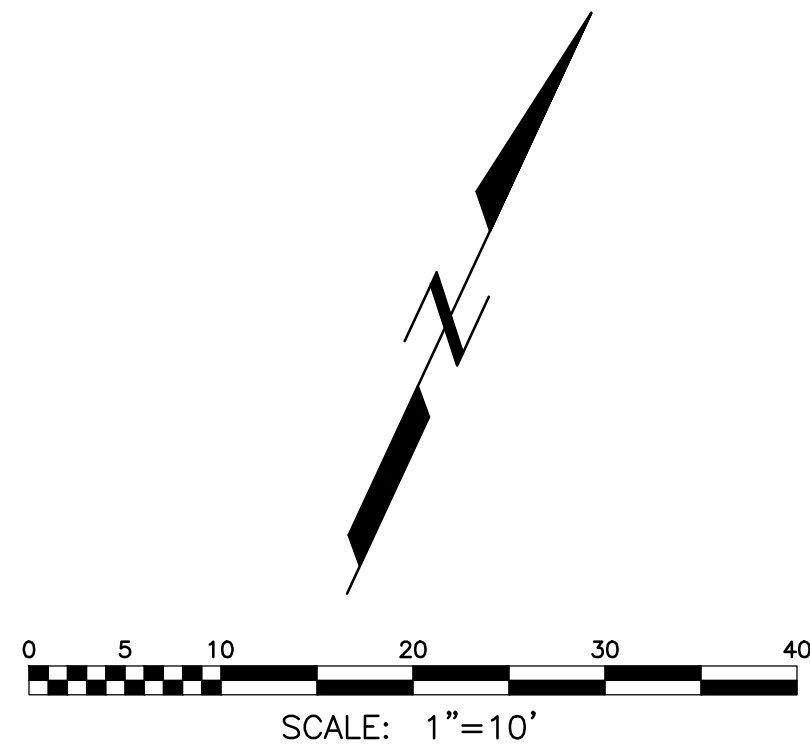
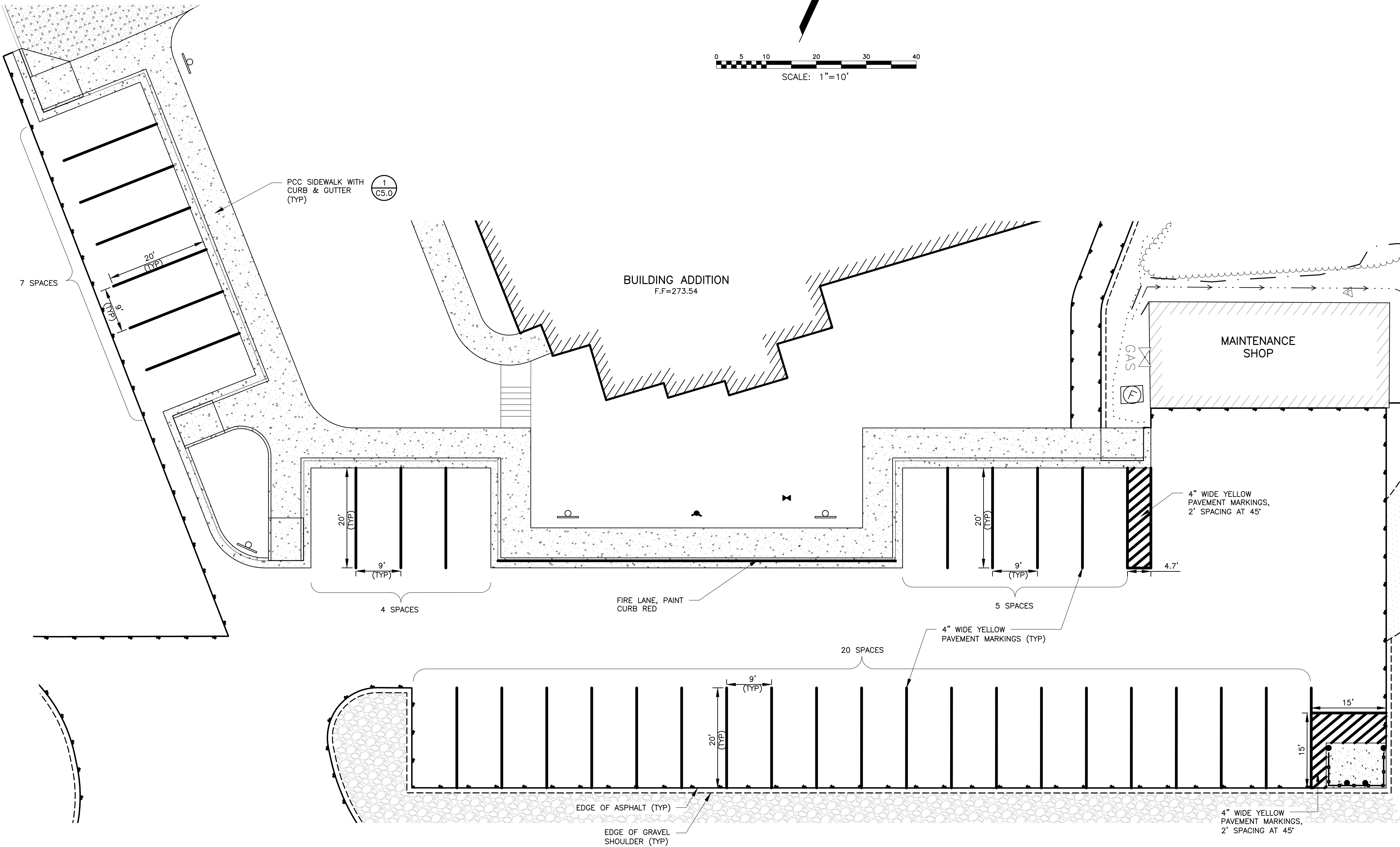
Sheet Contents:
PROPOSED SITE PLAN

Sheet No.: **C2.0**

USKH W.O. 1331601

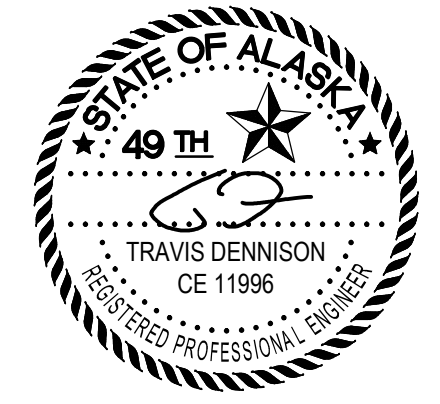
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NOTES:

1. TRAFFIC PAINT SHALL CONFORM TO THE CURRENT STATE OF ALASKA DOT&PF SPECIFICATIONS.
2. APPLY PAINT AT A RATE OF 80 FT²/GAL.
3. APPLY REFLECTIVE GLASS BEADS TO ALL MARKINGS. APPLY BEADS WHEN PAINT IS WET AT A RATE OF 6 POUNDS PER GALLON OF PAINT.
4. DO NOT PAINT WHEN THE PAVEMENT TEMPERATURE IS LESS THAN 40°F.
5. PAVEMENT SHALL BE FREE OF ALL DIRT, OIL, GREASE, AND OTHER FOREIGN MATTER PRIOR TO PAINTING.



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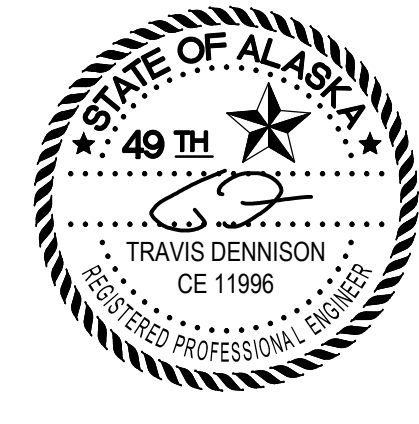
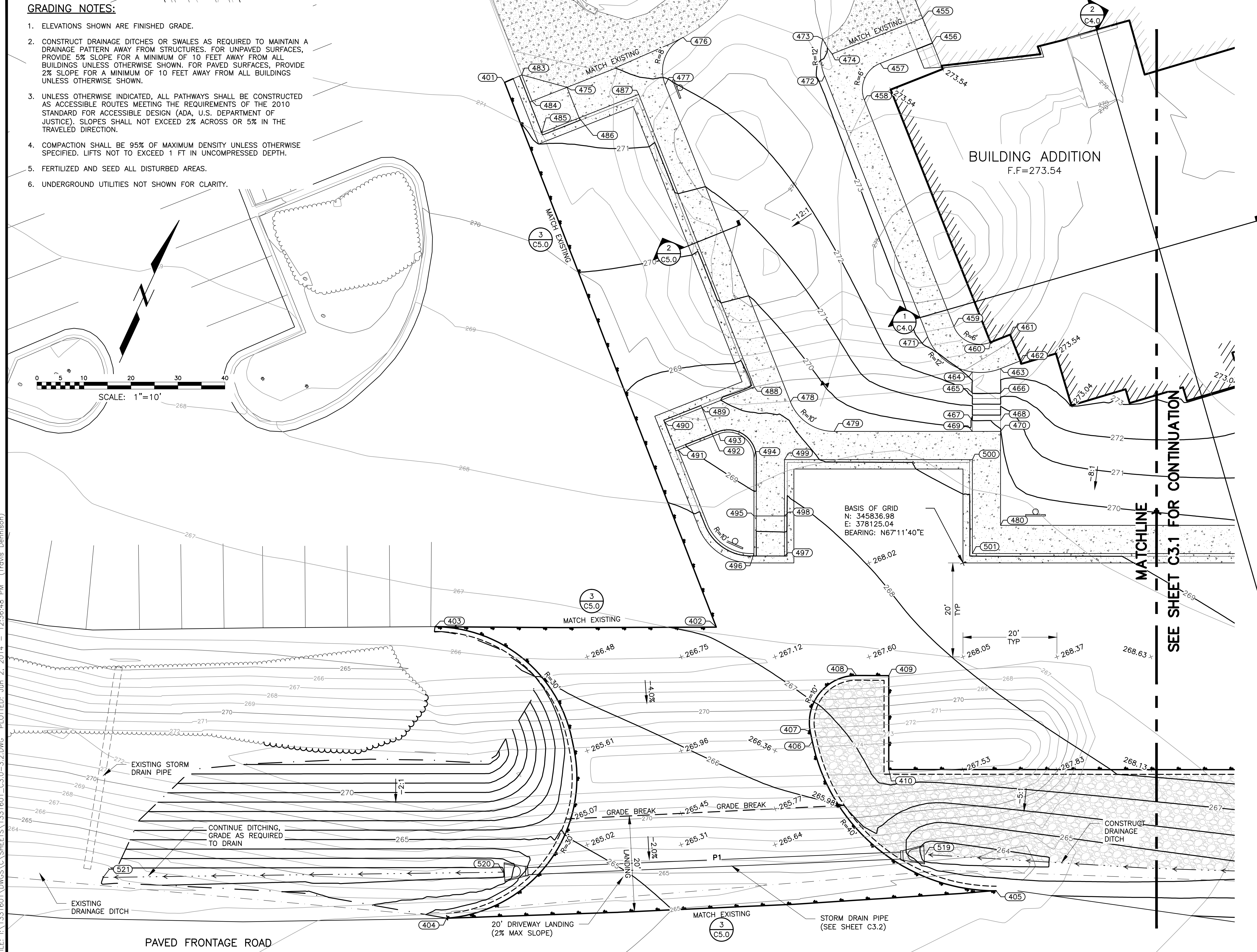
Sheet Contents:
 STRIPING PLAN

Sheet No.:
C2.1
 USKH W.O. 1331601

1 STRIPING PLAN
 SCALE: 1"=20'

GRADING NOTES:

- ELEVATIONS SHOWN ARE FINISHED GRADE.
- CONSTRUCT DRAINAGE DITCHES OR SWALES AS REQUIRED TO MAINTAIN A DRAINAGE PATTERN AWAY FROM STRUCTURES. FOR UNPAVED SURFACES, PROVIDE 5% SLOPE FOR A MINIMUM OF 10 FEET AWAY FROM ALL BUILDINGS UNLESS OTHERWISE SHOWN. FOR PAVED SURFACES, PROVIDE 2% SLOPE FOR A MINIMUM OF 10 FEET AWAY FROM ALL BUILDINGS UNLESS OTHERWISE SHOWN.
- UNLESS OTHERWISE INDICATED, ALL PATHWAYS SHALL BE CONSTRUCTED AS ACCESSIBLE ROUTES MEETING THE REQUIREMENTS OF THE 2010 STANDARD FOR ACCESSIBLE DESIGN (ADA, U.S. DEPARTMENT OF JUSTICE). SLOPES SHALL NOT EXCEED 2% ACROSS OR 5% IN THE TRAVELED DIRECTION.
- COMPACTION SHALL BE 95% OF MAXIMUM DENSITY UNLESS OTHERWISE SPECIFIED. LIFTS NOT TO EXCEED 1 FT IN UNCOMPRESSED DEPTH.
- FERTILIZED AND SEED ALL DISTURBED AREAS.
- UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.



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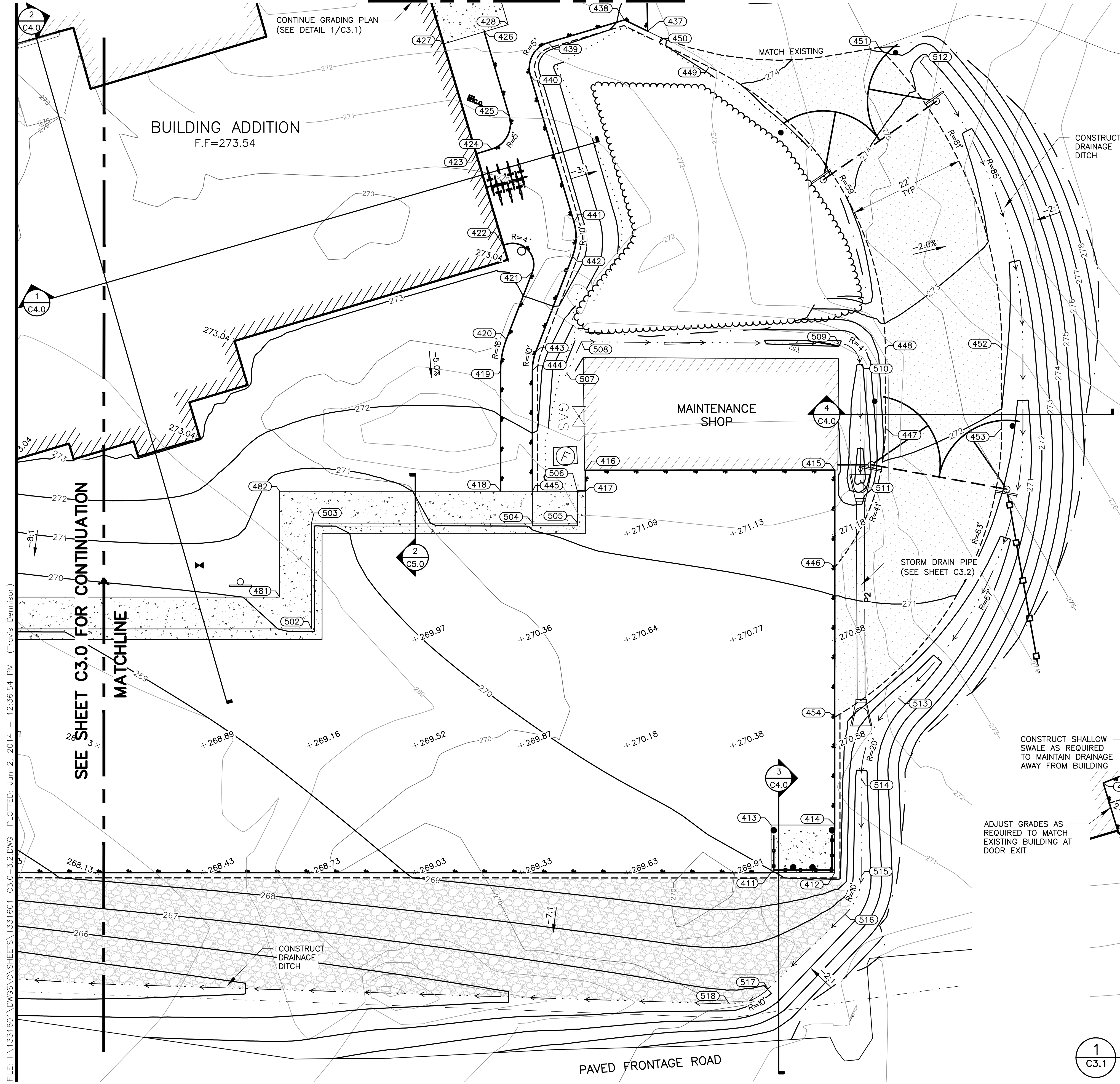
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Sheet Contents:
GRADING PLAN
WEST

Sheet No.:
C3.0

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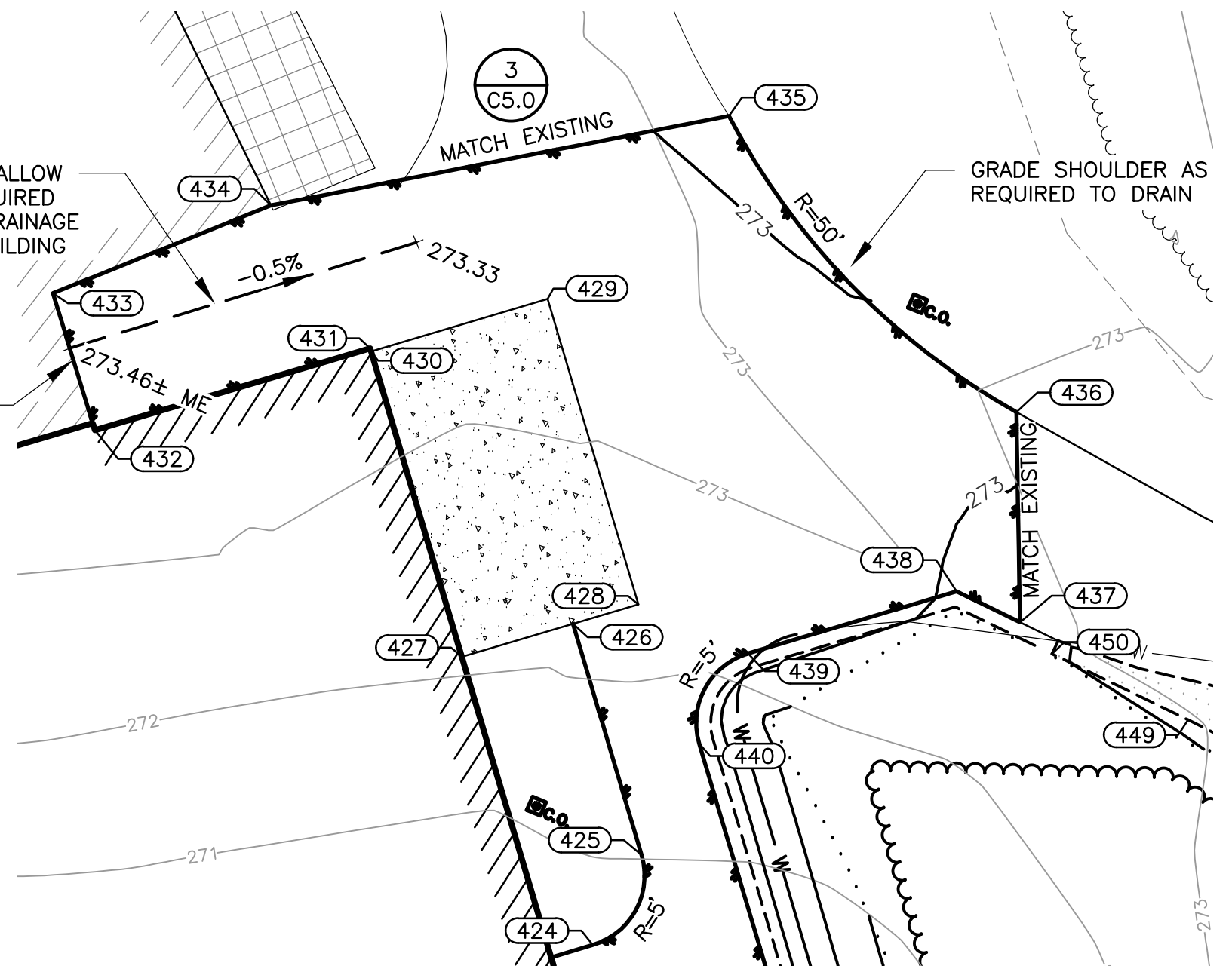


GRADING NOTES:

1. SEE SHEET C3.0

SEE SHEET C3.0 FOR CONTINUATION MATCHLINE

1 GRADING PLAN (NORTHEAST APRON)
C3.1 SCALE: 1"=10'



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Sheet Contents:
**GRADING PLAN
EAST**

Sheet No.:
C3.1

USKH W.O. 1331601

| SITE / GRADING COORDINATE TABLE | | | | |
|---------------------------------|-----------|-----------|-----------|---------------------------|
| POINT | ELEVATION | NORTHING | EASTING | DESCRIPTION |
| 401 | 271.26 | 345893.46 | 377995.43 | PI ASPHALT MATCH EXISTING |
| 402 | 267.10 | 345804.02 | 378081.94 | PI ASPHALT MATCH EXISTING |
| 403 | 266.63 | 345780.89 | 378026.68 | PC ASPHALT MATCH EXISTING |
| 404 | 264.33 | 345724.64 | 378053.04 | PT ASPHALT MATCH EXISTING |
| 405 | 265.77 | 345775.36 | 378158.62 | PC ASPHALT MATCH EXISTING |
| 406 | 267.03 | 345789.53 | 378110.19 | PT ASPHALT |
| 407 | 267.08 | 345791.20 | 378109.04 | PC ASPHALT |
| 408 | 267.49 | 345806.12 | 378113.46 | PT ASPHALT |
| 409 | 267.59 | 345808.73 | 378119.79 | PI ASPHALT |
| 410 | 267.29 | 345790.30 | 378127.53 | PI ASPHALT |
| 411 | 269.99 | 345861.22 | 378296.24 | PI CONCRETE |
| 412 | 270.13 | 345865.87 | 378307.30 | PI CONCRETE |
| 413 | 270.17 | 345869.51 | 378292.75 | PI CONCRETE |
| 414 | 270.31 | 345874.16 | 378303.81 | PI CONCRETE |
| 415 | 271.36 | 345935.94 | 378277.84 | PI ASPHALT MATCH BUILDING |
| 416 | 271.33 | 345917.64 | 378234.44 | PI ASPHALT MATCH BUILDING |
| 417 | 271.15 | 345913.99 | 378235.97 | PI ASPHALT |
| 418 | 271.45 | 345907.79 | 378221.22 | PI ASPHALT MATCH SIDEWALK |
| 419 | 272.33 | 345928.85 | 378212.37 | PC ASPHALT |
| 420 | 272.60 | 345934.57 | 378211.13 | PT ASPHALT |
| 421 | 273.22 | 345948.27 | 378210.72 | PC ASPHALT |
| 422 | 273.54 | 345950.84 | 378203.70 | PT ASPHALT MATCH BUILDING |
| 423 | 273.54 | 345964.76 | 378192.28 | PI ASPHALT MATCH BUILDING |
| 424 | 273.40 | 345966.66 | 378194.60 | PC ASPHALT |
| 425 | 273.40 | 345973.70 | 378195.30 | PT ASPHALT |
| 426 | 273.38 | 345986.57 | 378184.74 | PI ASPHALT MATCH CONCRETE |
| 427 | 273.54 | 345981.49 | 378178.55 | PI CONCRETE |
| 428 | 273.28 | 345989.56 | 378188.38 | PI CONCRETE |
| 429 | 273.28 | 346006.56 | 378174.43 | PI CONCRETE |
| 430 | 273.54 | 345998.50 | 378164.60 | PI CONCRETE |
| 431 | 273.46 | 345998.67 | 378164.46 | PI ASPHALT MATCH BUILDING |
| 432 | 273.46 | 345986.10 | 378149.15 | PI ASPHALT MATCH BUILDING |
| 433 | 273.46 | 345993.70 | 378142.81 | PI ASPHALT MATCH BUILDING |
| 434 | 273.43 | 346005.12 | 378154.33 | PI ASPHALT MATCH BUILDING |
| 435 | 272.91 | 346023.07 | 378181.07 | PC ASPHALT MATCH EXISTING |
| 436 | 273.07 | 346011.91 | 378207.29 | PT ASPHALT MATCH EXISTING |
| 437 | 272.96 | 345998.64 | 378213.14 | PI ASPHALT MATCH EXISTING |
| 438 | 272.98 | 345998.90 | 378208.29 | PI ASPHALT |
| 439 | 273.16 | 345989.37 | 378196.67 | PC ASPHALT |
| 440 | 273.30 | 345982.33 | 378195.98 | PT ASPHALT |
| 441 | 273.27 | 345960.01 | 378214.29 | PC ASPHALT |

| SITE / GRADING COORDINATE TABLE | | | | |
|---------------------------------|-----------|-----------|-----------|-------------------------------------|
| POINT | ELEVATION | NORTHING | EASTING | DESCRIPTION |
| 442 | 273.46 | 345953.97 | 378216.55 | PT ASPHALT |
| 443 | 272.59 | 345934.75 | 378217.13 | PC ASPHALT |
| 444 | 272.42 | 345931.17 | 378217.90 | PT ASPHALT |
| 445 | 271.61 | 345910.12 | 378226.76 | PI ASPHALT MATCH SIDEWALK |
| 446 | 271.08 | 345919.03 | 378284.95 | PC EDGE OF FIRE LANE |
| 447 | 272.32 | 345946.96 | 378283.56 | PT EDGE OF FIRE LANE |
| 448 | 272.82 | 345960.88 | 378277.71 | PC EDGE OF FIRE LANE |
| 449 | 273.53 | 345996.92 | 378226.46 | PT EDGE OF FIRE LANE |
| 450 | 272.92 | 345997.48 | 378216.02 | PI EDGE OF FIRE LANE MATCH EXISTING |
| 451 | 275.11 | 346012.74 | 378254.56 | PC EDGE OF FIRE LANE MATCH EXISTING |
| 452 | 272.38 | 345969.40 | 378297.99 | PT EDGE OF FIRE LANE |
| 453 | 271.88 | 345955.49 | 378303.84 | PC EDGE OF FIRE LANE |
| 454 | 270.66 | 345892.94 | 378295.92 | PI EDGE OF FIRE LANE |
| 455 | 273.54 | 345940.56 | 378072.14 | CONCRETE SIDEWALK MATCH BUILDING |
| 456 | 273.54 | 345936.53 | 378076.10 | CONCRETE SIDEWALK MATCH BUILDING |
| 457 | 273.36 | 345928.19 | 378067.58 | PC CONCRETE SIDEWALK |
| 458 | 273.22 | 345919.71 | 378067.49 | PT CONCRETE SIDEWALK |
| 459 | 273.40 | 345882.64 | 378103.74 | PC CONCRETE SIDEWALK |
| 460 | 273.54 | 345882.55 | 378112.23 | PT CONCRETE SIDEWALK |
| 461 | 273.54 | 345885.68 | 378115.43 | CONCRETE SIDEWALK MATCH BUILDING |
| 462 | 273.54 | 345881.40 | 378119.63 | CONCRETE SIDEWALK MATCH BUILDING |
| 463 | 273.49 | 345878.22 | 378116.38 | PT CONCRETE STAIR LANDING |
| 464 | 273.43 | 345875.24 | 378111.13 | PT CONCRETE STAIR LANDING |
| 465 | 273.43 | 345871.09 | 378112.87 | PT CONCRETE STAIR LANDING |
| 466 | 273.49 | 345873.42 | 378118.40 | PT CONCRETE STAIR LANDING |
| 467 | 270.52 | 345865.71 | 378115.13 | PT CONCRETE STAIR LANDING |
| 468 | 270.58 | 345868.04 | 378120.66 | PT CONCRETE STAIR LANDING |
| 469 | 269.91 | 345863.56 | 378116.04 | PT CONCRETE STAIR LANDING |
| 470 | 269.99 | 345865.89 | 378121.57 | PT CONCRETE STAIR LANDING |
| 471 | 273.31 | 345878.45 | 378099.46 | PT CONCRETE SIDEWALK |
| 472 | 273.07 | 345921.17 | 378057.66 | PC CONCRETE SIDEWALK |
| 473 | 272.92 | 345928.20 | 378054.32 | CONCRETE SIDEWALK MATCH EXISTING |
| 474 | 273.03 | 345926.08 | 378057.35 | CONCRETE SIDEWALK MATCH EXISTING |
| 475 | 271.82 | 345897.65 | 378008.08 | PI FLARED CURB RAMP MATCH EXISTING |
| 476 | 272.47 | 345917.03 | 378026.76 | PC CONCRETE SIDEWALK MATCH EXISTING |
| 477 | 271.93 | 345906.26 | 378027.13 | PT CONCRETE SIDEWALK |
| 478 | 269.03 | 345854.38 | 378077.88 | PC CONCRETE SIDEWALK |
| 479 | 269.17 | 345852.15 | 378088.90 | PT CONCRETE SIDEWALK |
| 480 | 269.19 | 345847.46 | 378129.32 | PI CONCRETE SIDEWALK |
| 481 | 270.09 | 345873.20 | 378190.53 | PI CONCRETE SIDEWALK |
| 482 | 270.52 | 345891.63 | 378182.79 | PI CONCRETE SIDEWALK |

| SITE / GRADING COORDINATE TABLE | | | | | |
|---------------------------------|--------|-----------|-----------|-----------|---|
| | POINT | ELEVATION | NORTHING | EASTING | DESCRIPTION |
| TYPE 3 C&G | 483 | 271.84 | 345896.36 | 377998.19 | TBC FLARE MATCH EXISTING |
| TYPE 4 C&G | 484 | 271.18 | 345892.05 | 378002.36 | TBC FLARE RAMP |
| | 485 | 271.04 | 345886.67 | 378006.88 | TBC RAMP |
| TYPE 3 C&G | 486 | 271.71 | 345892.64 | 378012.98 | TBC RAMP |
| | 487 | 271.91 | 345902.18 | 378022.73 | PI TBC |
| | 488 | 269.23 | 345854.28 | 378069.58 | PI TBC |
| TYPE 1 C&G | 489 | 268.87 | 345845.89 | 378061.00 | TBC AT TOP OF RAMP, BEGIN TAPERED CURB |
| TYPE 4 C&G | 490 | 268.48 | 345839.95 | 378054.92 | TBC AT BOTTOM OF RAMP, END TAPERED CURB |
| | 491 | 268.91 | 345835.65 | 378059.83 | TBC CORNER |
| | 492 | 269.28 | 345841.25 | 378065.55 | TBC AT TOP OF RAMP, 6" HIGHER THAN SIDEWALK |
| TYPE 3 C&G | 493 | 269.32 | 345842.13 | 378066.45 | PC TBC, 6" HIGHER THAN SIDEWALK |
| | 494 | 269.32 | 345840.33 | 378075.36 | PT TBC, 6" HIGHER THAN SIDEWALK |
| | 495 | 268.76 | 345828.95 | 378080.15 | TBC AT TOP OF RAMP, 6" HIGHER THAN SIDEWALK |
| TYPE 4 C&G | 496 | 268.13 | 345821.57 | 378083.25 | TBC CORNER |
| | 497 | 267.60 | 345823.63 | 378089.44 | TBC AT BOTTOM OF RAMP, END TAPERED CURB |
| TYPE 1 C&G | 498 | 268.27 | 345831.47 | 378086.14 | TBC AT TOP OF RAMP, BEGIN TAPERED CURB |
| | 499 | 268.81 | 345842.53 | 378081.49 | PI TBC |
| TYPE 3 C&G | 500 | 269.82 | 345858.03 | 378118.36 | PI TBC |
| | 501 | 269.10 | 345839.60 | 378126.11 | PI TBC |
| TYPE 1 C&G | 502 | 270.09 | 345869.99 | 378198.39 | PI TBC |
| TYPE 3 C&G | 503 | 270.39 | 345888.42 | 378190.64 | PI TBC |
| | 504 | 271.52 | 345904.59 | 378229.08 | TBC AT TOP OF RAMP, BEGIN TAPERED CURB |
| TYPE 4 C&G | 505 | 271.13 | 345907.88 | 378236.92 | TBC AT BOTTOM OF RAMP, END TAPERED CURB |
| | 506 | 271.10 | 345913.41 | 378234.59 | TOE OF RAMP/GUTTER |
| | 507 | 270.00 | 345933.19 | 378224.10 | BEGIN DITCH |
| | 508 | 270.00 | 345939.72 | 378224.35 | PI DITCH CL |
| | 509 | 270.00 | 345958.28 | 378269.29 | PC DITCH CL |
| | 510 | 270.00 | 345956.30 | 378274.44 | PT DITCH CL |
| | 511 | 268.61 | 345935.91 | 378283.11 | END DITCH |
| | 512 | 273.60 | 346013.26 | 378262.85 | BEGIN DITCH |
| | 513 | 268.60 | 345900.93 | 378305.60 | PC DITCH |
| | 514 | 267.94 | 345884.18 | 378305.02 | PT DITCH CL |
| | 515 | 267.57 | 345867.16 | 378312.18 | PC DITCH CL |
| | 516 | 267.41 | 345859.36 | 378312.16 | PT DITCH CL |
| | 517 | 267.00 | 345840.72 | 378304.21 | PC DITCH CL |
| | 518 | 266.84 | 345835.31 | 378298.59 | PT DITCH CL |
| | 519 | 263.47 | 345776.66 | 378141.74 | END DITCH |
| | 520 | 262.00 | 345738.34 | 378060.32 | BEGIN DITCH |
| | 521 | 261.50 | 345704.31 | 377982.27 | END DITCH |
| 10000 | 268.56 | 345836.98 | 378125.04 | | BASIS OF GRID |

| CULVERT TABLE | | | | | | | | | | |
|---------------|------|--------|-----------|------------|-------------|------------|--------------|-------------|-------------|--------------|
| NAME | SIZE | LENGTH | INVERT IN | INVERT OUT | NORTHING IN | EASTING IN | NORTHING OUT | EASTING OUT | MATERIAL | END SECTIONS |
| P1 | 18" | 85.00' | 263.43 | 262.04 | 345775.60 | 378139.49 | 345739.40 | 378062.58 | CPEP TYPE-S | 2 |
| P2 | 18" | 43.00' | 268.60 | 268.22 | 345934.98 | 378283.51 | 345895.40 | 378300.32 | CPEP TYPE-S | 2 |



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| By | Date | Revision | PERMIT CHANGES |
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Alaska Native Heritage Center
8800 Heritage Drive
Anchorage, Alaska 99504

Project Mgr. JAC

Drawn

Checked

Date 06/02/2014

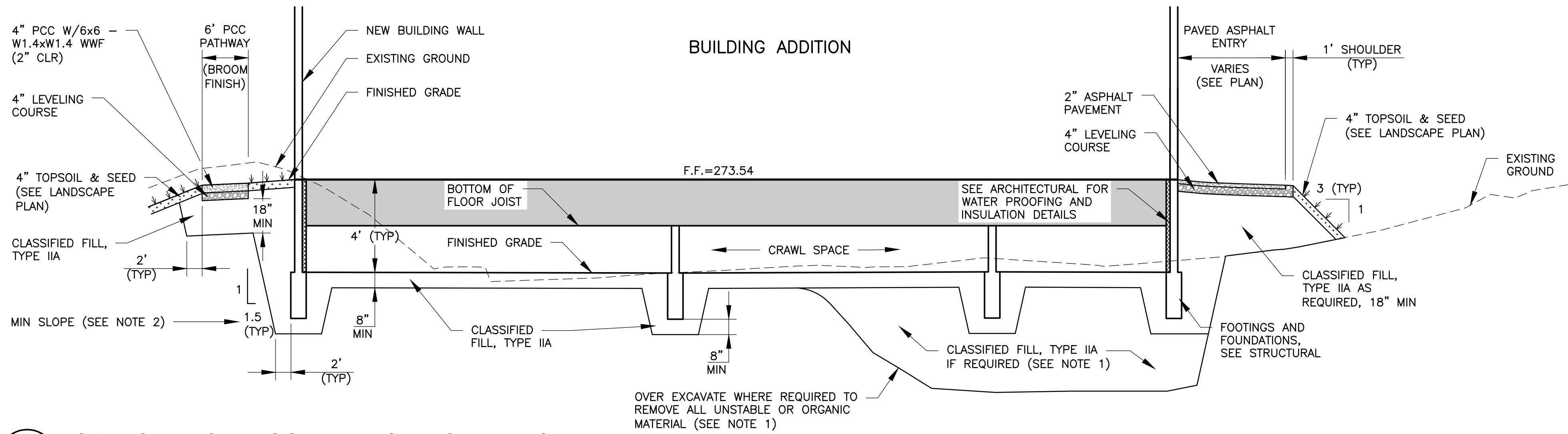
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GRADING COORDINATES

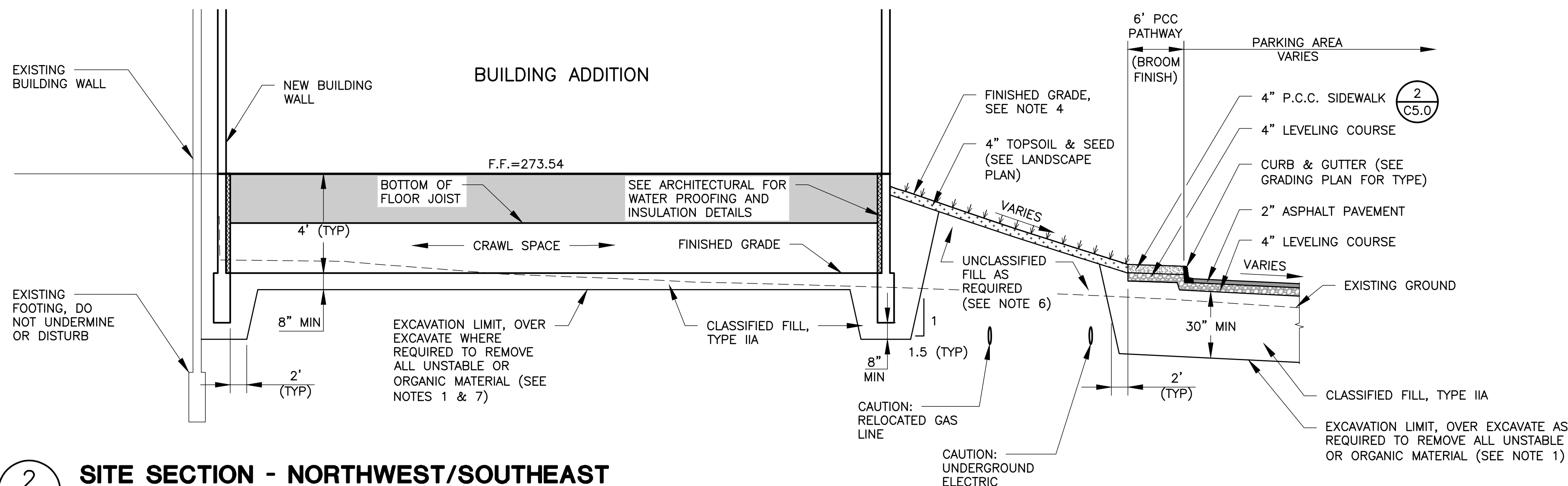
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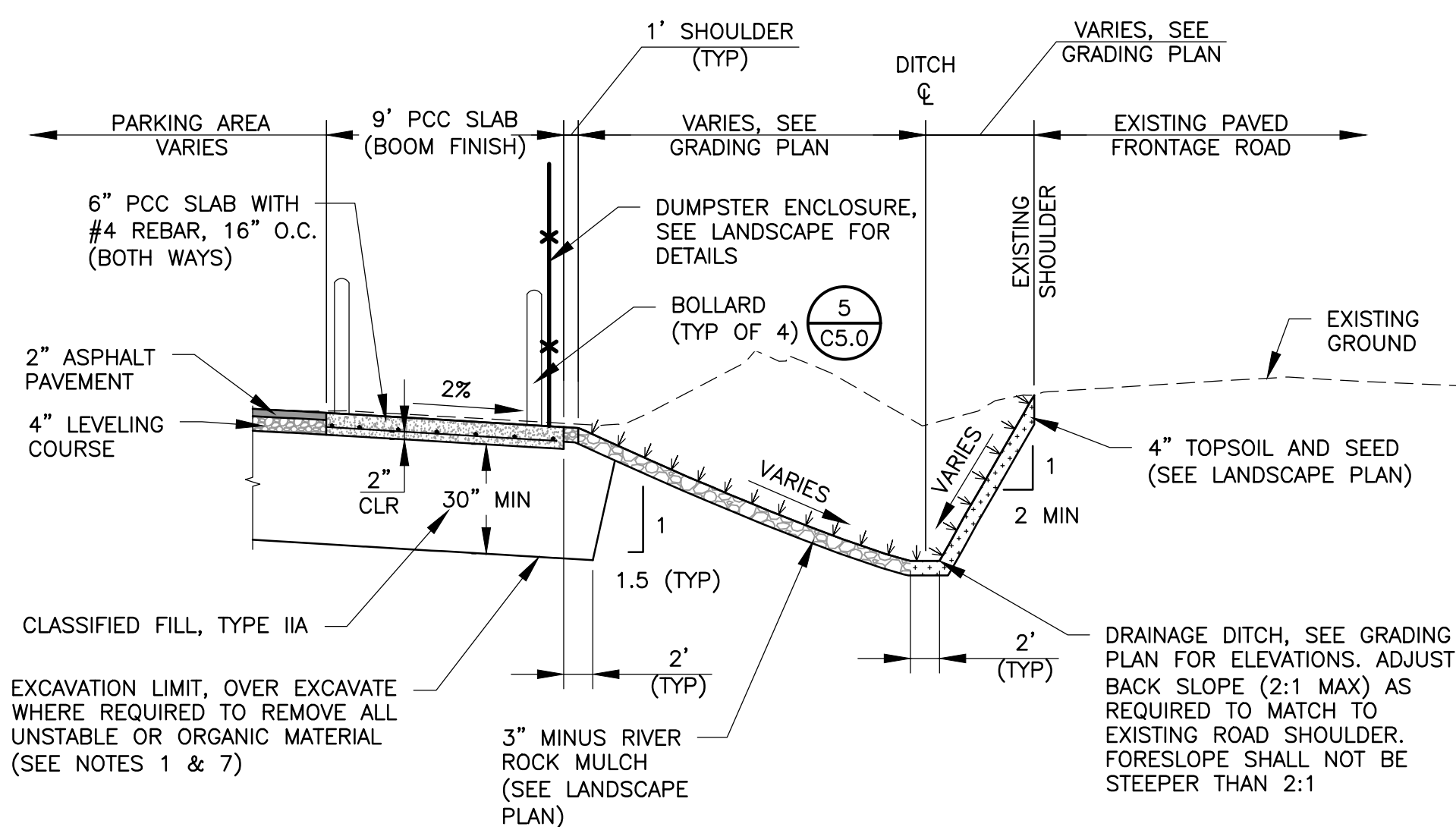
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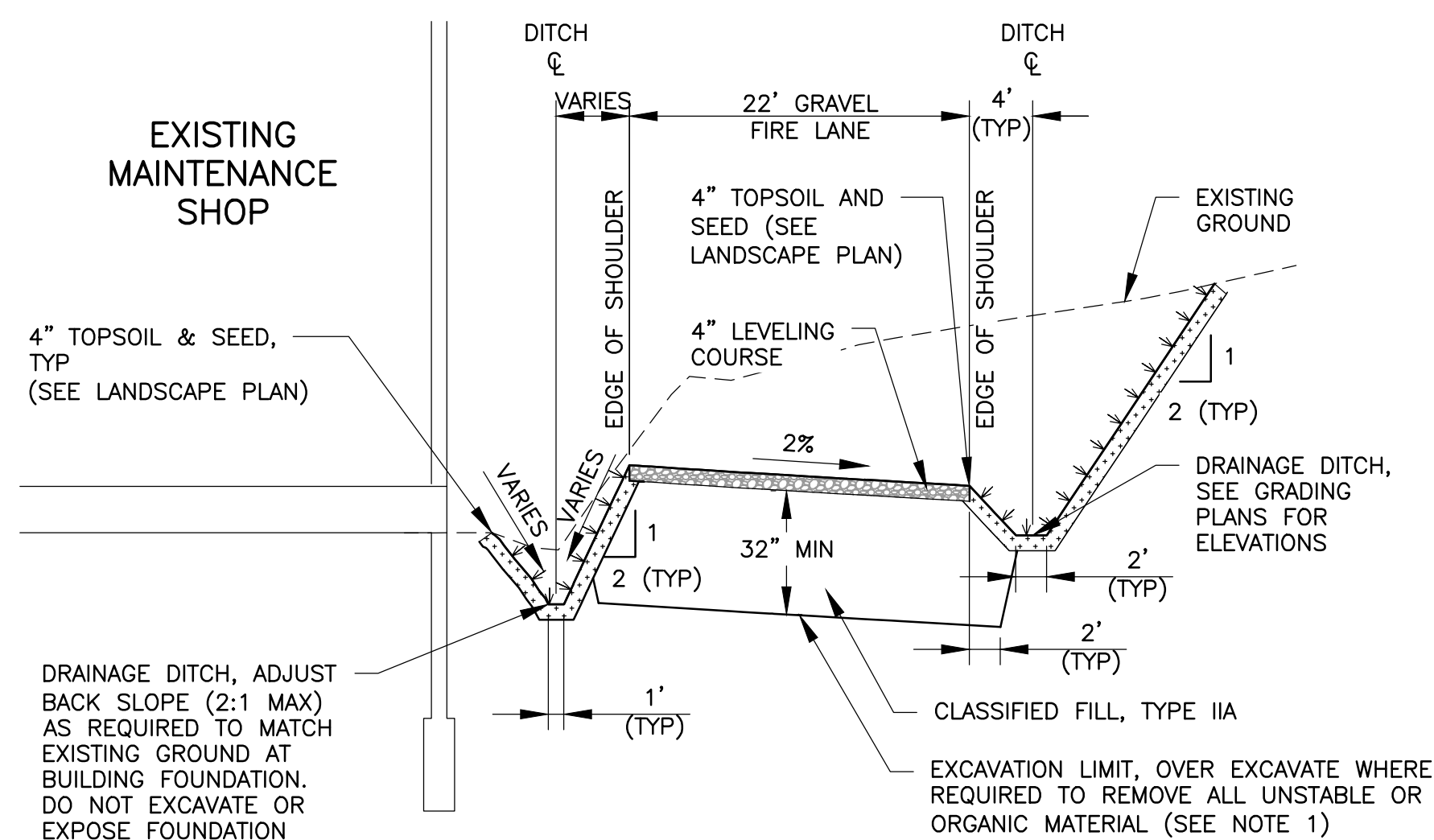
1 SITE SECTION - SOUTHWEST/NORTHEAST
 C4.0 SCALE: N.T.S.



2 SITE SECTION - NORTHWEST/SOUTHEAST
 C4.0 SCALE: N.T.S.



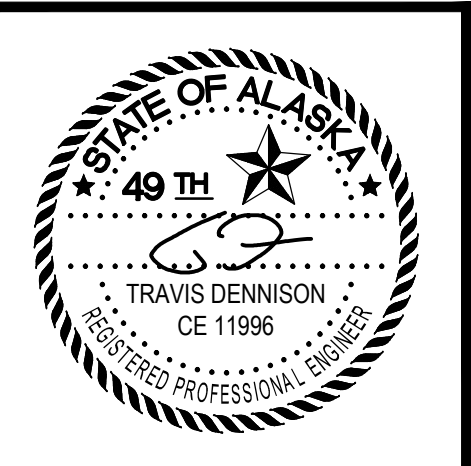
3 SITE SECTION - DUMPSTER SLAB
 C4.0 SCALE: N.T.S.



4 SITE SECTION - FIRE LANE
 C4.0 SCALE: N.T.S.

SECTION NOTES:

1. AFTER EXCAVATION TO PLAN DEPTH, PROOF ROLL BOTTOM OF EXCAVATION WITH HEAVY STATIC ROLLER. IF UNSTABLE MATERIALS ARE FOUND, REMOVE ALL ORGANIC SOIL AND INSTABLE SOILS FROM THE BOTTOM OF EXCAVATION. BACKFILL WITH CLASSIFIED FILL, TYPE II AS REQUIRED.
2. EXCAVATION SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTERISTICS. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS. PROVIDE SHORING AS REQUIRED FOR SAFETY.
3. COMPACTION OF MATERIALS SHALL BE 95% MAXIMUM DRY DENSITY WITH LIFTS NOT EXCEEDING 12 INCHES IN UNCOMPACTED DEPTH UNLESS OTHERWISE SPECIFIED.
4. MAINTAIN GRADE AT 6" (MINIMUM) BELOW FF, UNLESS OTHERWISE SPECIFIED.
5. SLOPE FROM EDGE OF SHOULDER TO DITCH (FORE SLOPE) VARIES, AND SHALL BE NO STEEPER THAN 2:1.
6. UNCLASSIFIED FILL TO BE USED IN SELECT LANDSCAPED AREAS ONLY, AND AS DIRECTED BY THE ENGINEER. UNCLASSIFIED FILL SHALL NOT BE USED UNDER ANY BUILDINGS, ROADS, OR OTHER STRUCTURAL AREAS.
7. THE GEOTECHNICAL REPORT AND BORE LOGS ARE AVAILABLE UPON REQUEST. BORE SAMPLES TAKEN WITHIN THE EXISTING PARKING AREA INDICATE THAT THERE MAY BE SOME AMOUNT OF SALVAGEABLE FILL UNDER THE EXISTING PAVED AREAS. CONTRACTOR MAY RE-USE SUITABLE MATERIALS IF MATERIAL TESTING VERIFIES THAT SALVAGED MATERIALS CONFORM TO THE APPROPRIATE MATERIAL SPECIFICATIONS.



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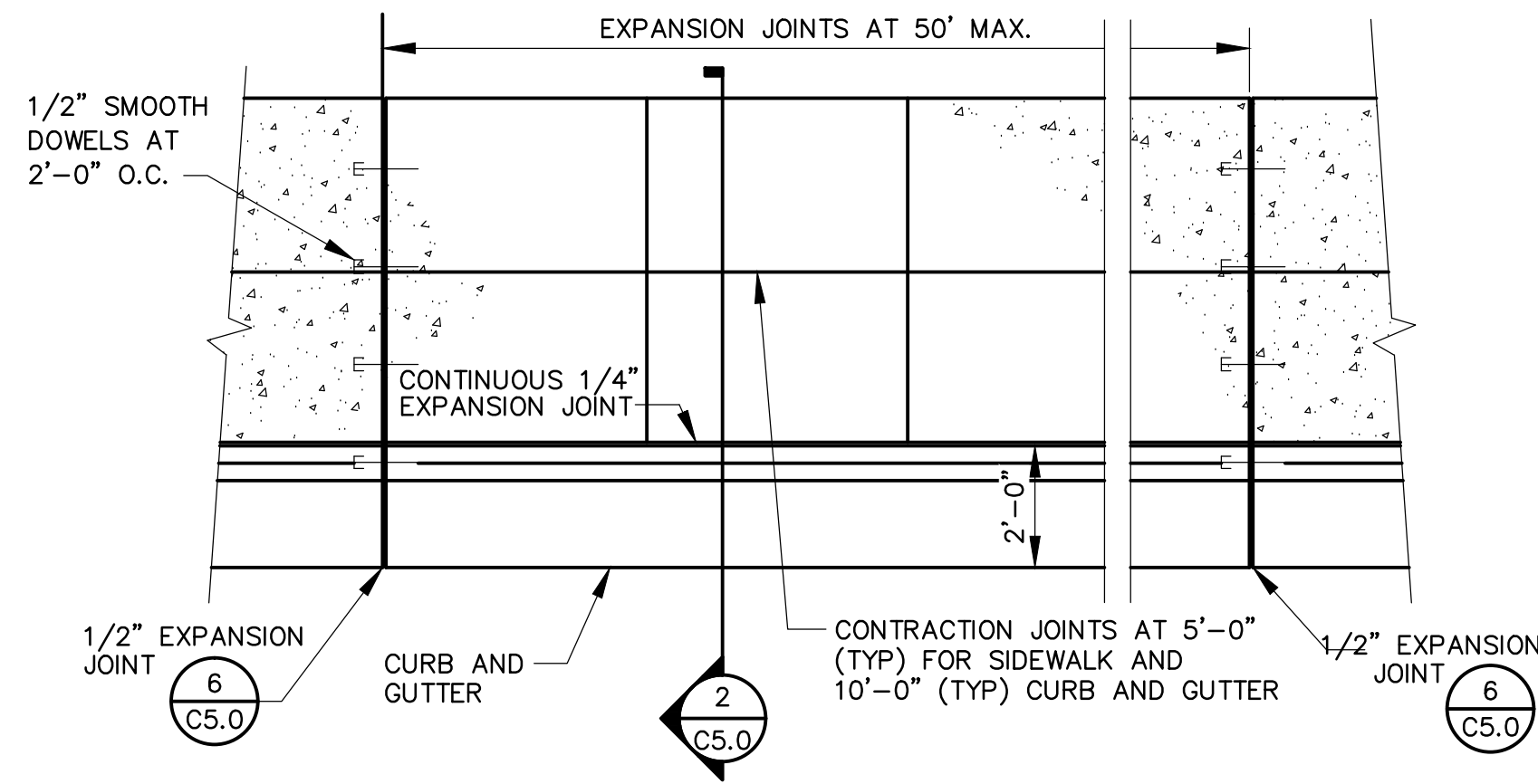
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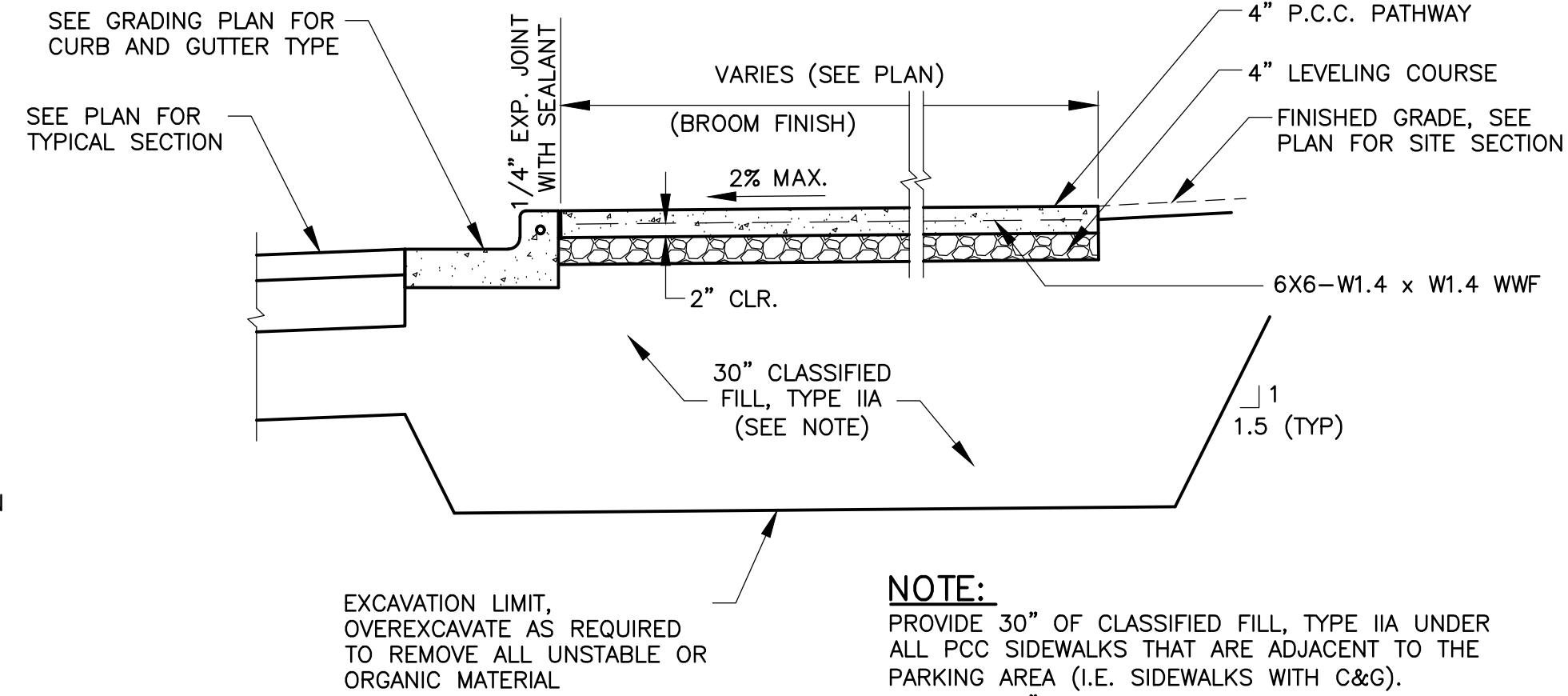
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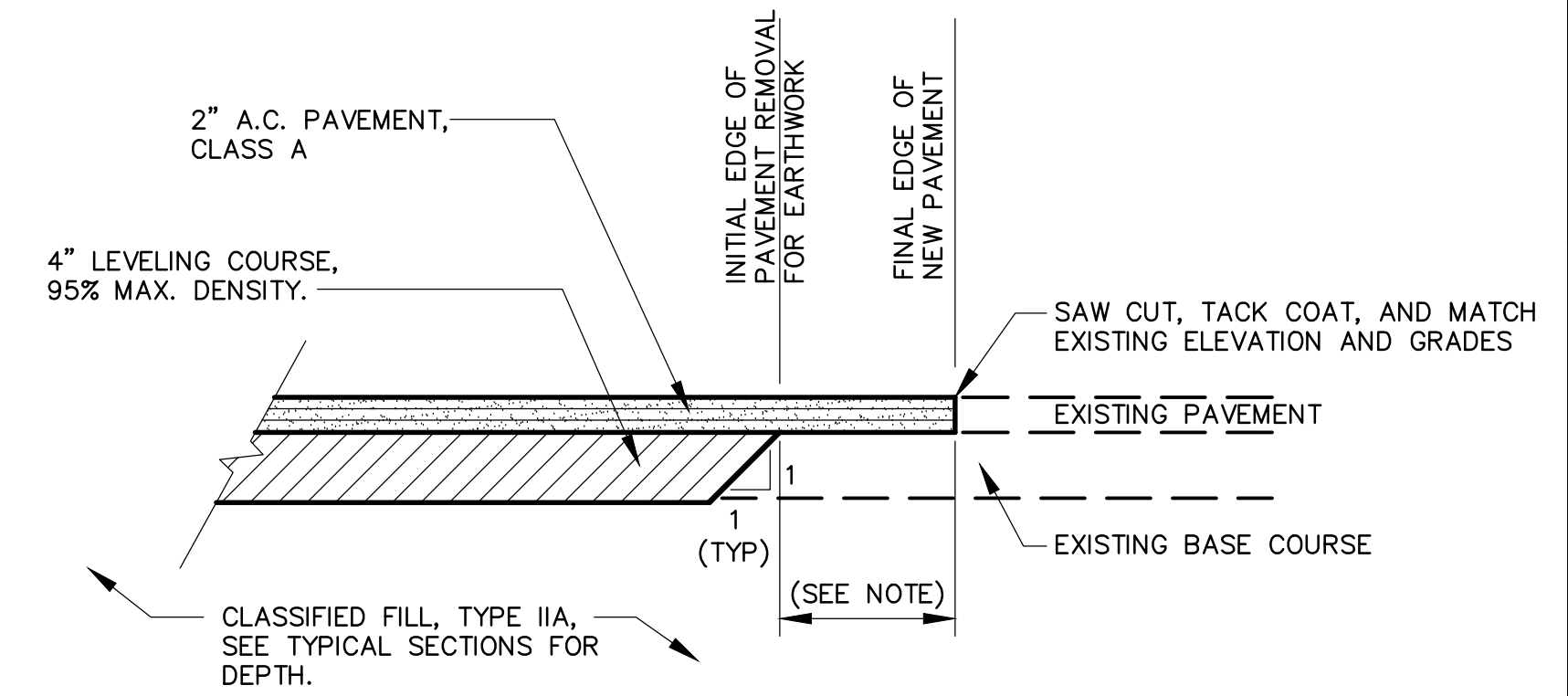
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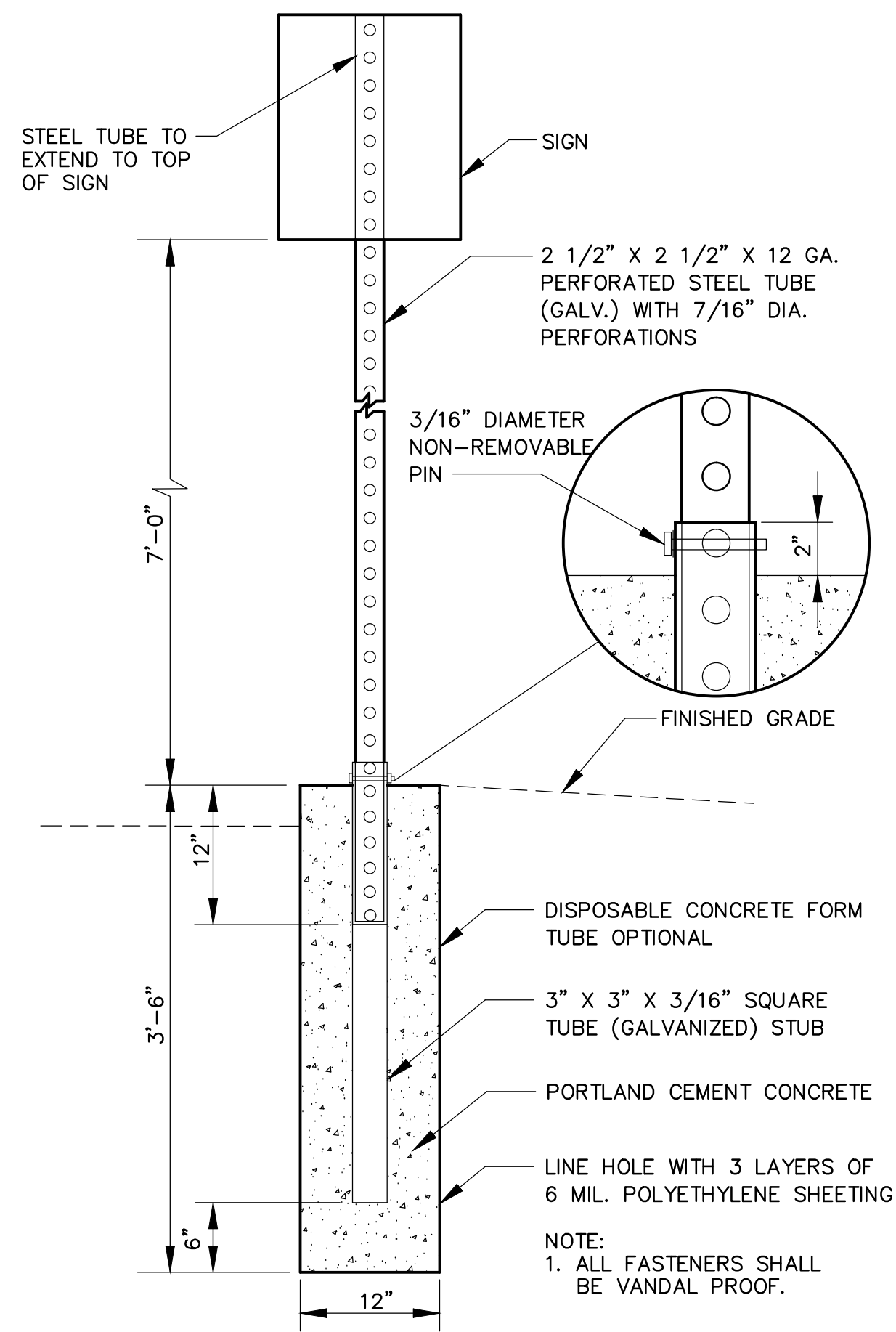
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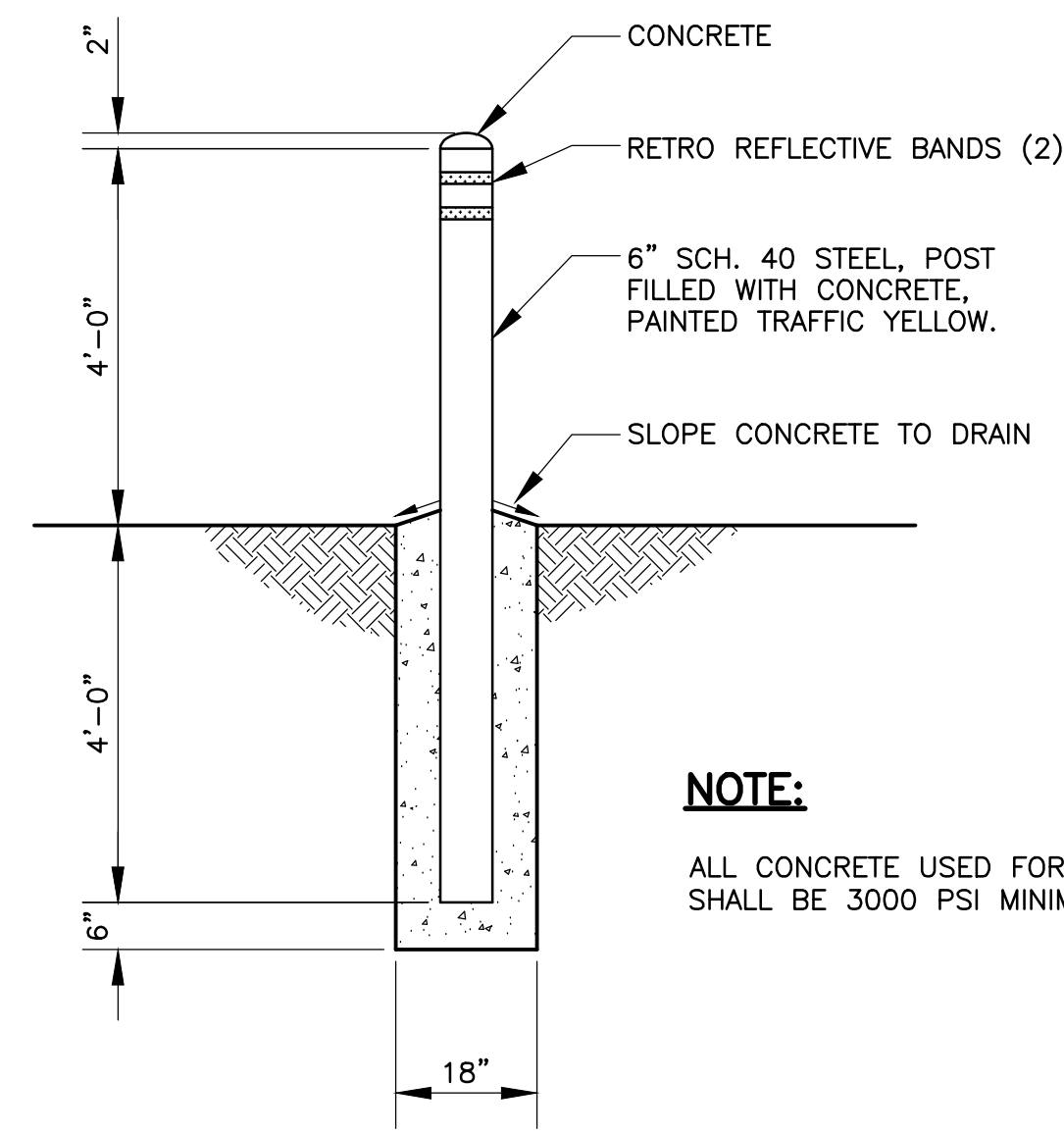
2 PCC SIDEWALK - SECTION
SCALE: N.T.S.



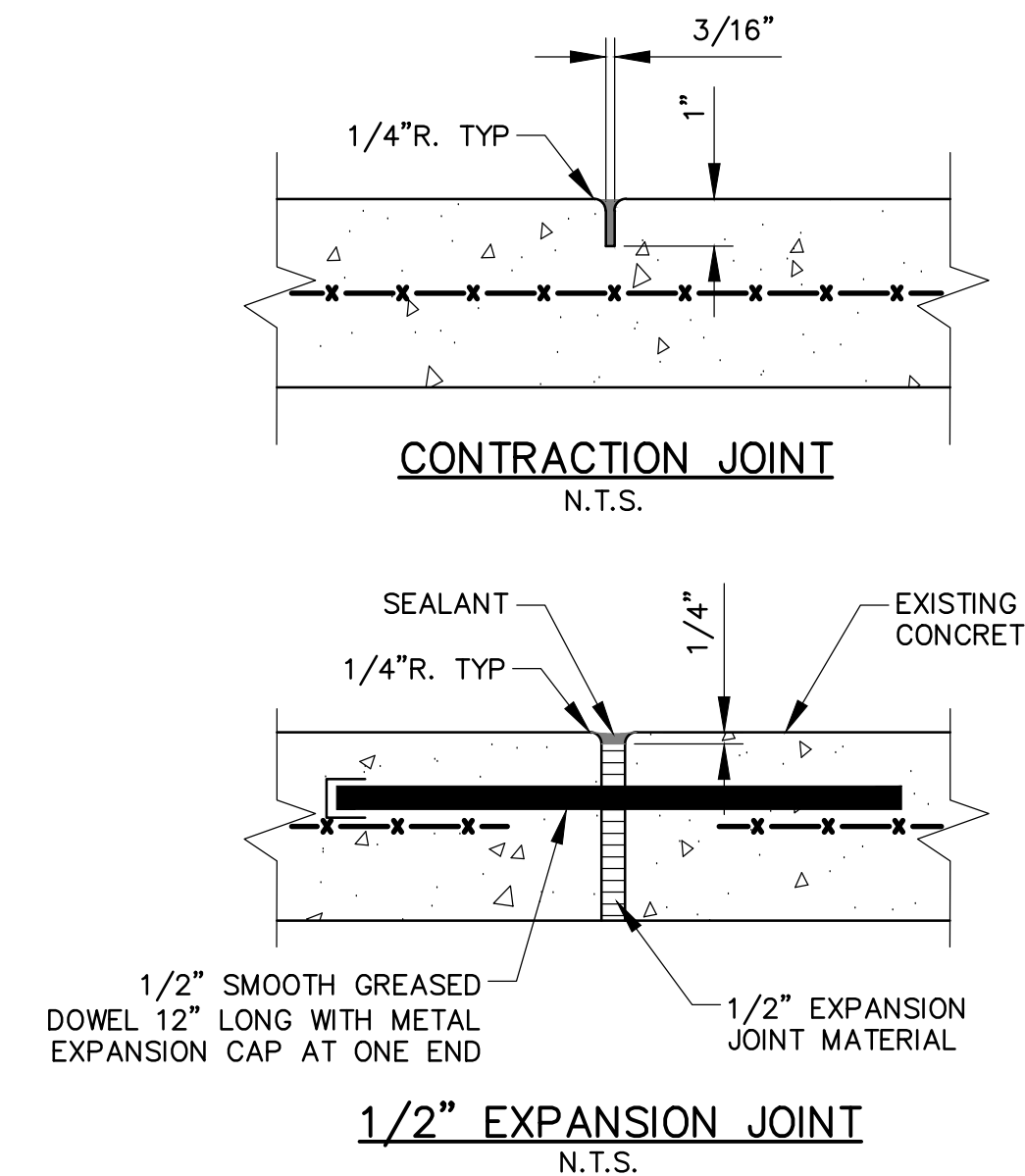
3 PAVEMENT CUT AND MATCH DETAIL
SCALE: N.T.S.



4 SIGN AND FOUNDATION DETAIL
SCALE: N.T.S.



5 BOLLARD DETAIL
SCALE: N.T.S.



6 CONCRETE JOINT DETAILS
SCALE: N.T.S.

- NOTES:**
- CONTRACTION JOINTS ON ALL SIDEWALKS EXCEPT THOSE ADJACENT TO CURB & GUTTER SHALL BE SPACED AT 6 FT. ALTERNATE BROOM FINISH PATTERN ON 6' x 6' PANELS AND TROWEL 3" BORDERS AROUND EACH PANEL. SEE LANDSCAPING FOR PATTERN ORIENTATION.
 - CONTRACTION JOINTS ON SIDEWALKS ADJACENT TO CURB & GUTTER SHALL BE 5'-0" TYPICALLY, AND SHALL COINCIDE WITH THE JOINTS IN THE CURB & GUTTER. BROOM FINISH SHALL HAVE PATTERN RUNNING TRANSVERSE TO MAIN TRAFFIC FLOW.
 - EXPANSION JOINTS SHALL BE LOCATED AT MID-POINT OF SECTIONS SHORTER THAN 50'-0", RADIUS POINTS, AND AT MATCH TO CURB AND GUTTER AND BUILDING.
 - THE CONTRACTOR SHALL INSTALL 1/2" PREMOLDED EXPANSION JOINT WHEREVER CONCRETE MEETS BUILDING WALL.



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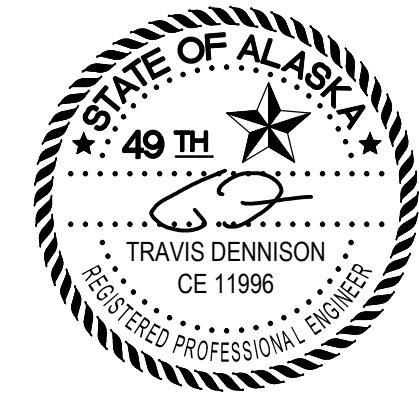
Sheet Contents:

DETAILS

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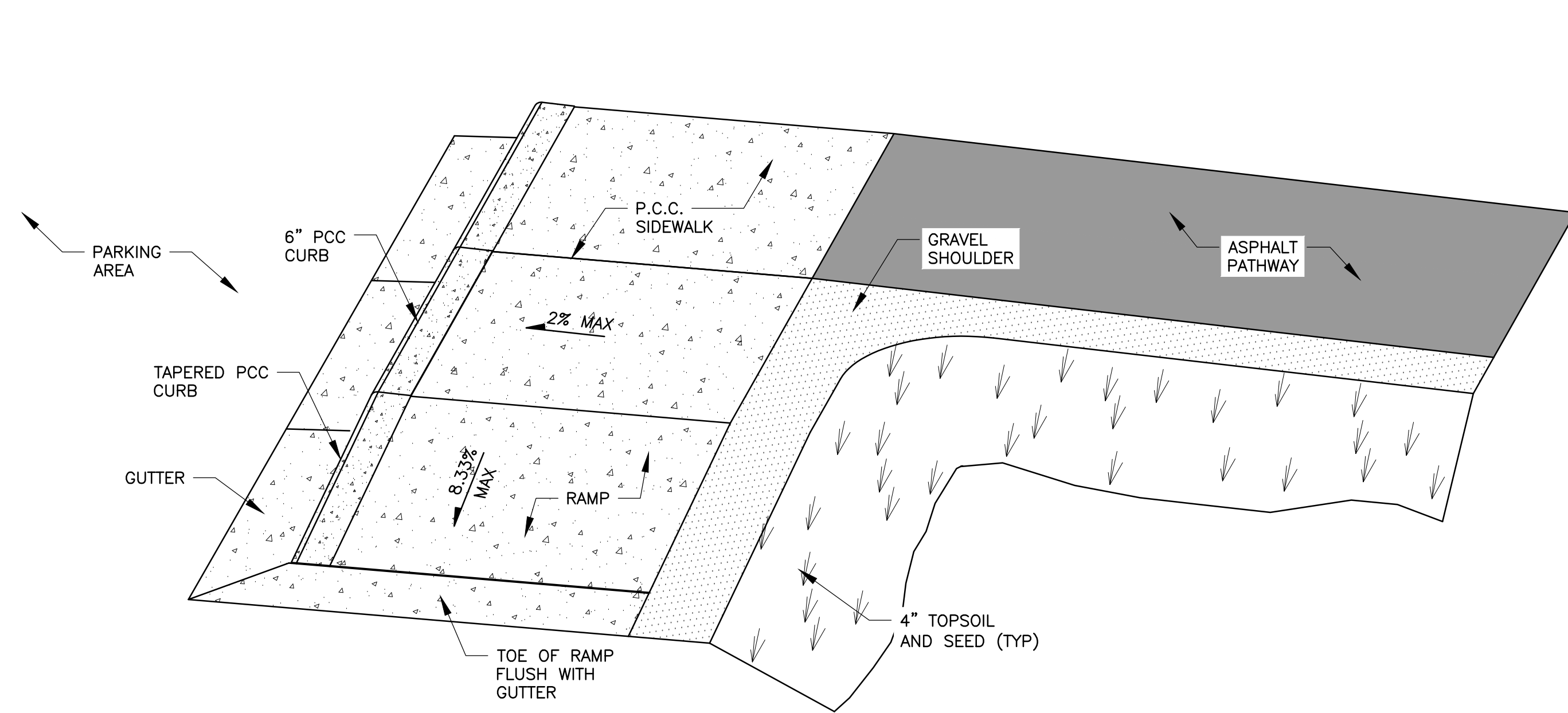
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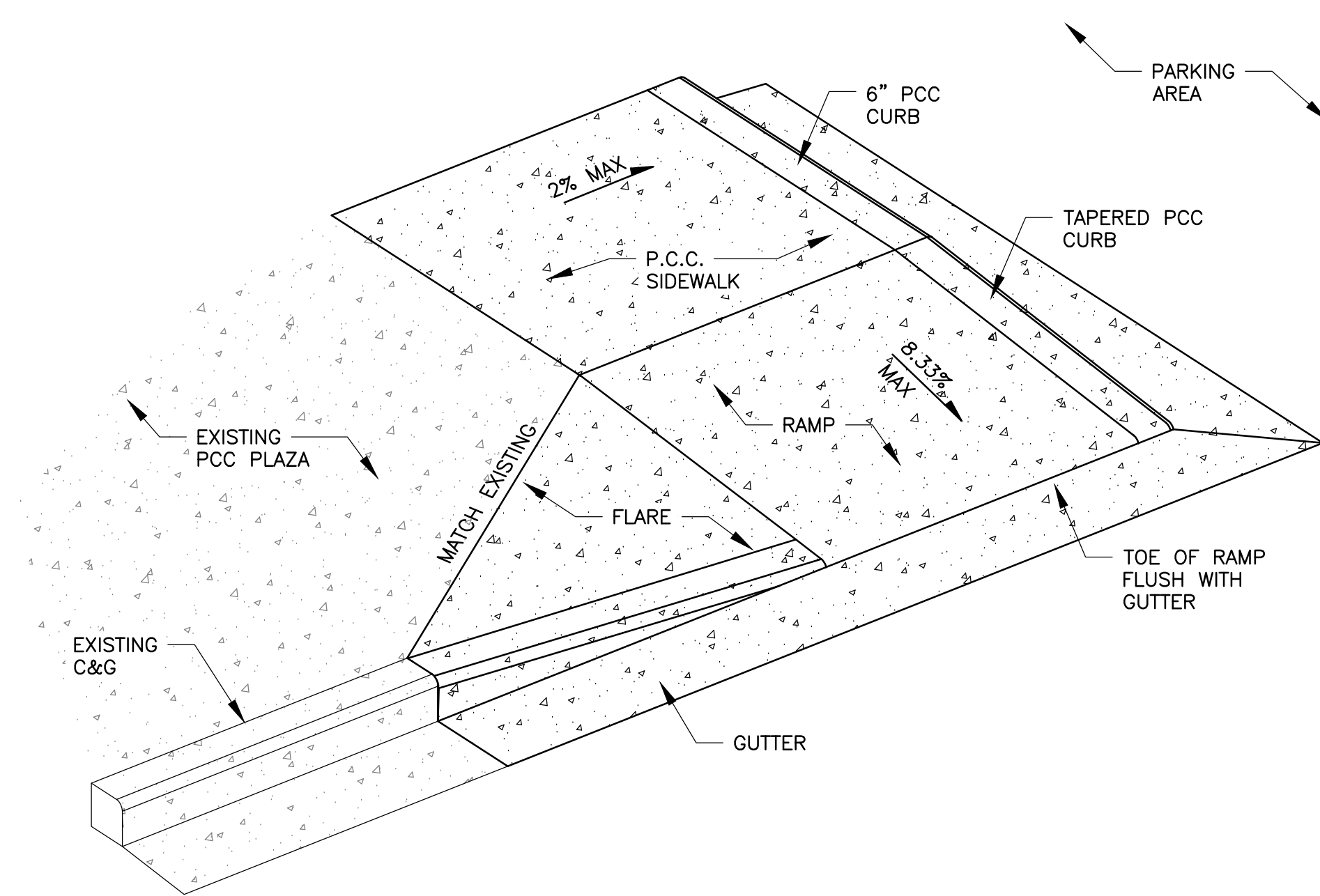
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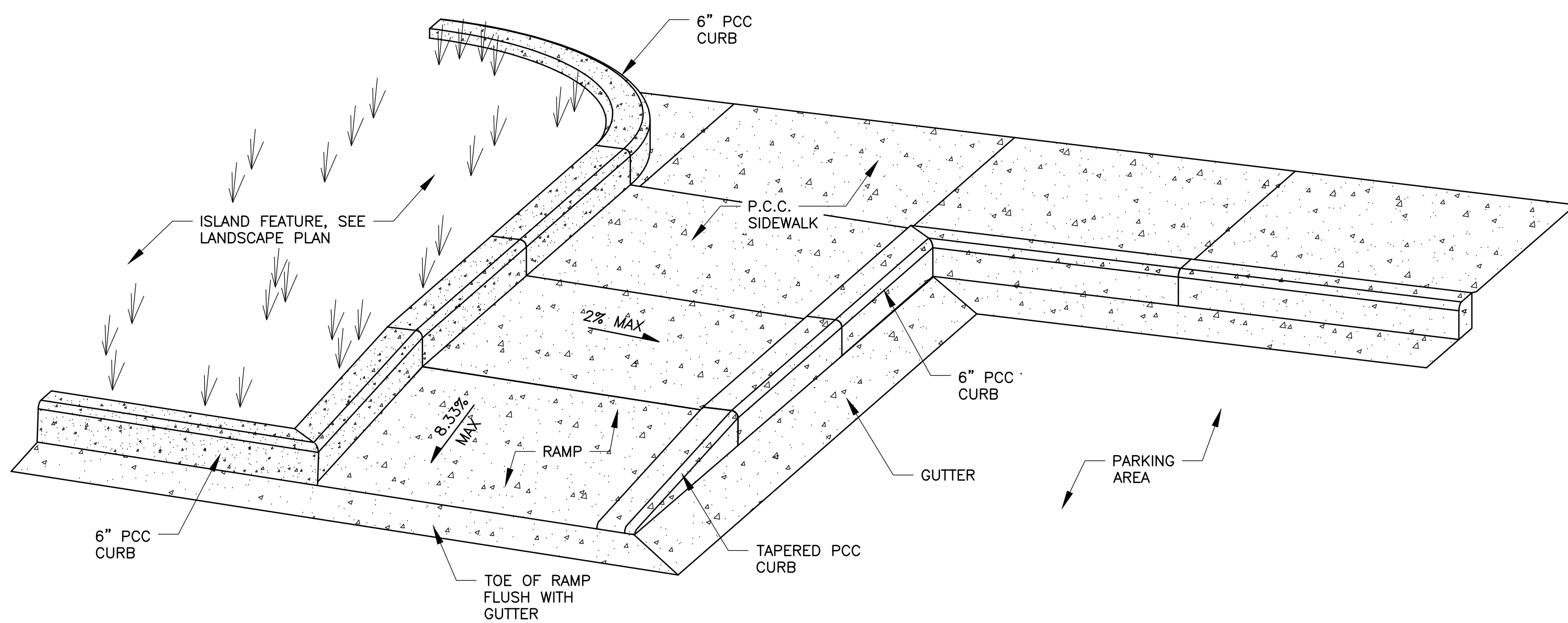
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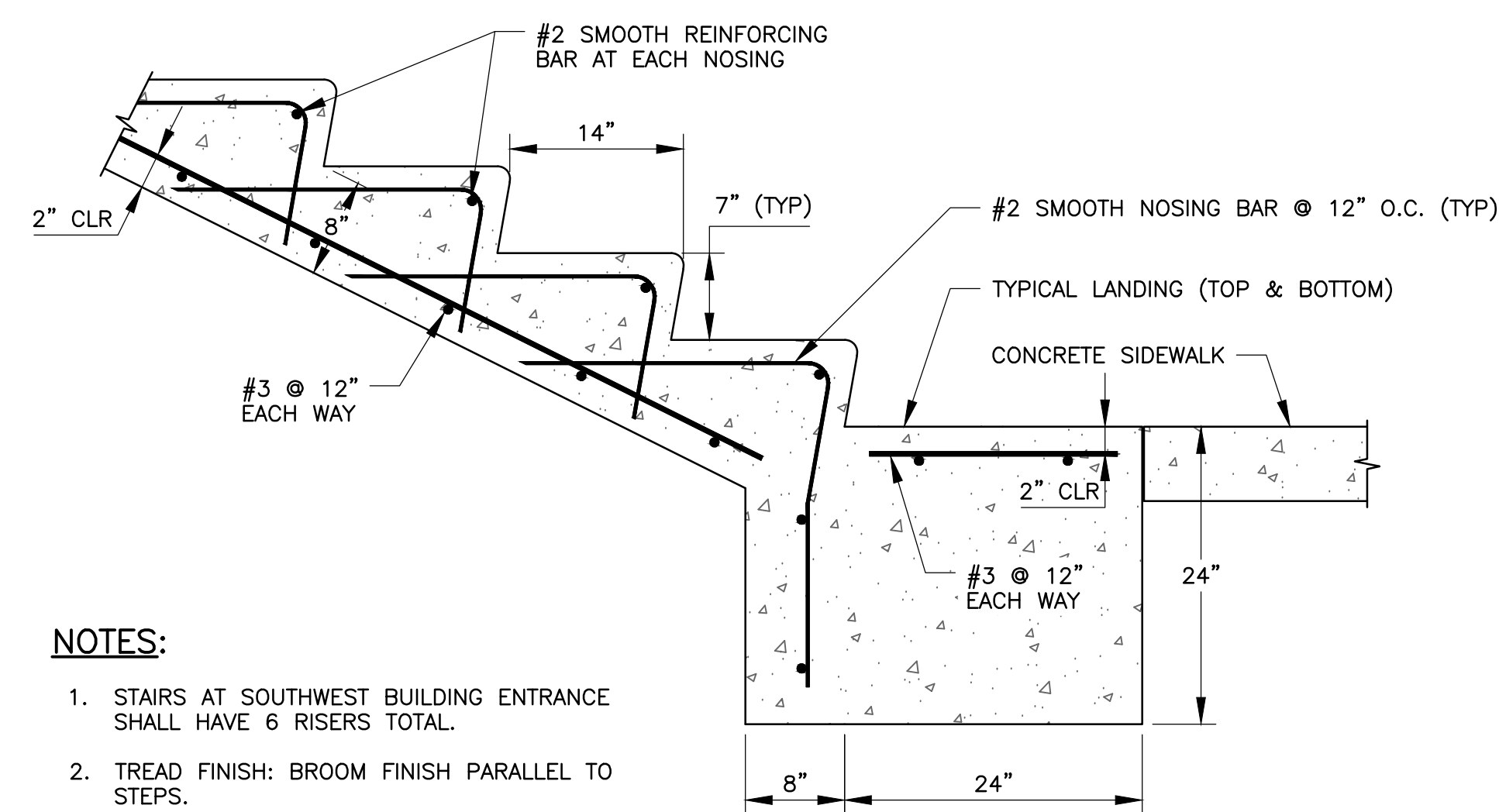
1 LONGITUDINAL CURB RAMP (P.C.C.) W/GRAVEL SHOULDER
 C5.1 SCALE: N.T.S.



2 COMBINATION CURB RAMP (P.C.C.)
 C5.1 SCALE: N.T.S.



3 RETURNED CURB RAMP (P.C.C.)
 C5.1 SCALE: N.T.S.



NOTES:

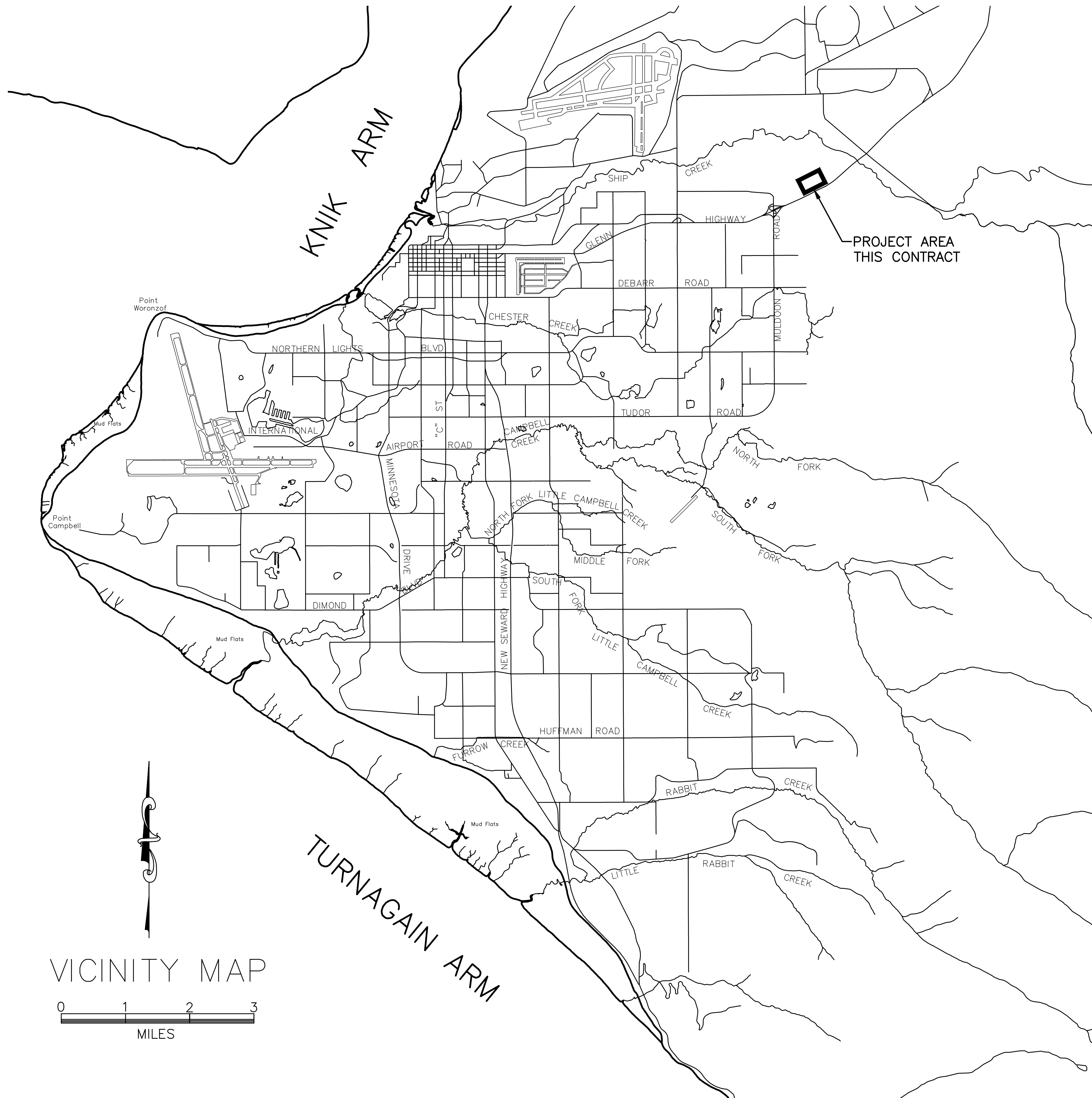
1. STAIRS AT SOUTHWEST BUILDING ENTRANCE SHALL HAVE 6 RISERS TOTAL.
2. TREAD FINISH: BROOM FINISH PARALLEL TO STEPS.
3. PEDESTRIAN RAILING; SEE LANDSCAPE FOR DETAILS.

4 CONCRETE STAIRS
 C5.1 SCALE: N.T.S.

MABEL PIKE EDUCATIONAL CENTER EXPANSION

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FIRE HYDRANT AND WATER SERVICE RELOCATION

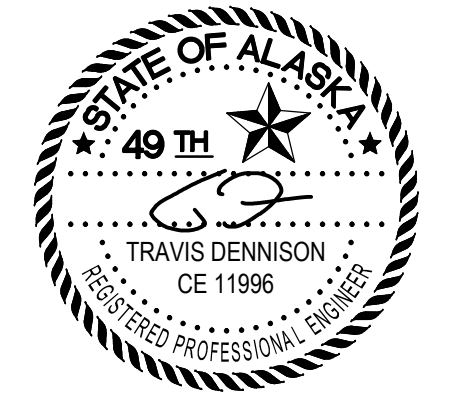
AWWU PROJECT ID.: PS-14-036
JUNE 2014

OWNER: RICK IRWIN

ADDRESS: ALASKA NATIVE HERITAGE CENTER
8800 HERITAGE CENTER DRIVE
ANCHORAGE, ALASKA 99504

PHONE: (907) 330-8056

OWNER SIGNATURE: 



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Sheet Contents:

WATER UTILITY
LOCATION MAP
AND LEGEND

Sheet No.:

C6.0

USKH W.O. 1331601

ABBREVIATIONS & ACRONYMS

| | |
|--------|---|
| AC | ASPHALT PAVEMENT |
| ADA | AMERICANS WITH DISABILITIES ACT |
| ADEC | ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION |
| AFD | ANCHORAGE FIRE DEPARTMENT |
| ANHNC | ALASKA NATIVE HERITAGE CENTER |
| AWWU | ANCHORAGE WATER & WASTEWATER UTILITY |
| CL | CENTERLINE |
| CO | CLEANOUT |
| CPEP | CORRUGATED POLYETHYLENE PIPE |
| C&G | CURB AND GUTTER |
| DI | DUCTILE IRON |
| DIP | DI PIPE |
| E | EASTING, EAST |
| EG | EXISTING GROUND |
| ELEV | ELEVATION |
| EOP | EDGE OF PAVEMENT |
| F&I | FURNISH AND INSTALL |
| FF | FINISH FLOOR |
| FG | FINISHED GRADE |
| GALV | GALVANIZED |
| GB | GRADE BREAK |
| GV | GATE VALVE |
| HDPE | HIGH DENSITY POLYETHYLENE |
| INV | INVERT |
| INT | INTERSECTION |
| L | LENGTH |
| LF | LINEAR FEET |
| LT | LEFT |
| MASS | MOA STANDARD SPECIFICATIONS |
| MAX | MAXIMUM |
| ME | MATCH EXISTING |
| MH | MANHOLE |
| MIN | MINIMUM |
| MOA | MUNICIPALITY OF ANCHORAGE |
| N | NORTHING, NORTH |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| OSHA | OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION |
| PC | POINT OF CURVATURE |
| PCC | PORTLAND CEMENT CONCRETE |
| PI | POINT OF INTERSECTION |
| PSI | POUNDS PER SQUARE INCH |
| PT | POINT OF TANGENCY |
| R | RADIUS |
| RP | RADIUS POINT |
| RPC | RED PLASTIC CAP |
| RT | RIGHT |
| S | SLOPE, SEWER, SOUTH |
| SD | STORM DRAIN |
| SS | STAINLESS STEEL, SANITARY SEWER |
| STA | STATION |
| SWPPP | STORM WATER POLLUTION PREVENTION PLAN |
| TBC | TOP BACK OF CURB |
| TBD | TO BE DETERMINED |
| TYP | TYPICAL |
| VB | VALVE BOX |
| W | WATER, WEST |
| WWF | WELDED WIRE FABRIC |

LEGEND

| EXISTING | PROPOSED | |
|----------|----------|-------------------------|
| | | WATER LINE |
| | | SEWER LINE |
| | | ROOF DRAIN LINE |
| | | STORM DRAIN CULVERT |
| | | NATURAL GAS LINE |
| | | UNDERGROUND TELEPHONE |
| | | UNDERGROUND FIBER OPTIC |
| | | FENCE |
| | | DITCH FLOW |
| | | TREE/BRUSH LINE |
| | | EDGE OF ASPHALT |
| | | EDGE OF GRAVEL |
| | | FILL DAYLIGHT LIMIT |
| | | CUT DAYLIGHT LIMIT |
| | | CONTRACTOR HAUL ROUTE |
| | | PROPERTY LINE |
| | | CONCRETE |
| | | ASPHALT |
| | | BUILDING/STRUCTURE |
| | | PIPE |
| | | LIGHT POLE |
| | | POWER POLE |
| | | JUNCTION BOX |
| | | FIRE HYDRANT |
| | | WATER VALVE |
| | | NATURAL GAS VALVE |
| | | CLEANOUT |
| | | MONITORING WELL |
| | | FUEL STORAGE |

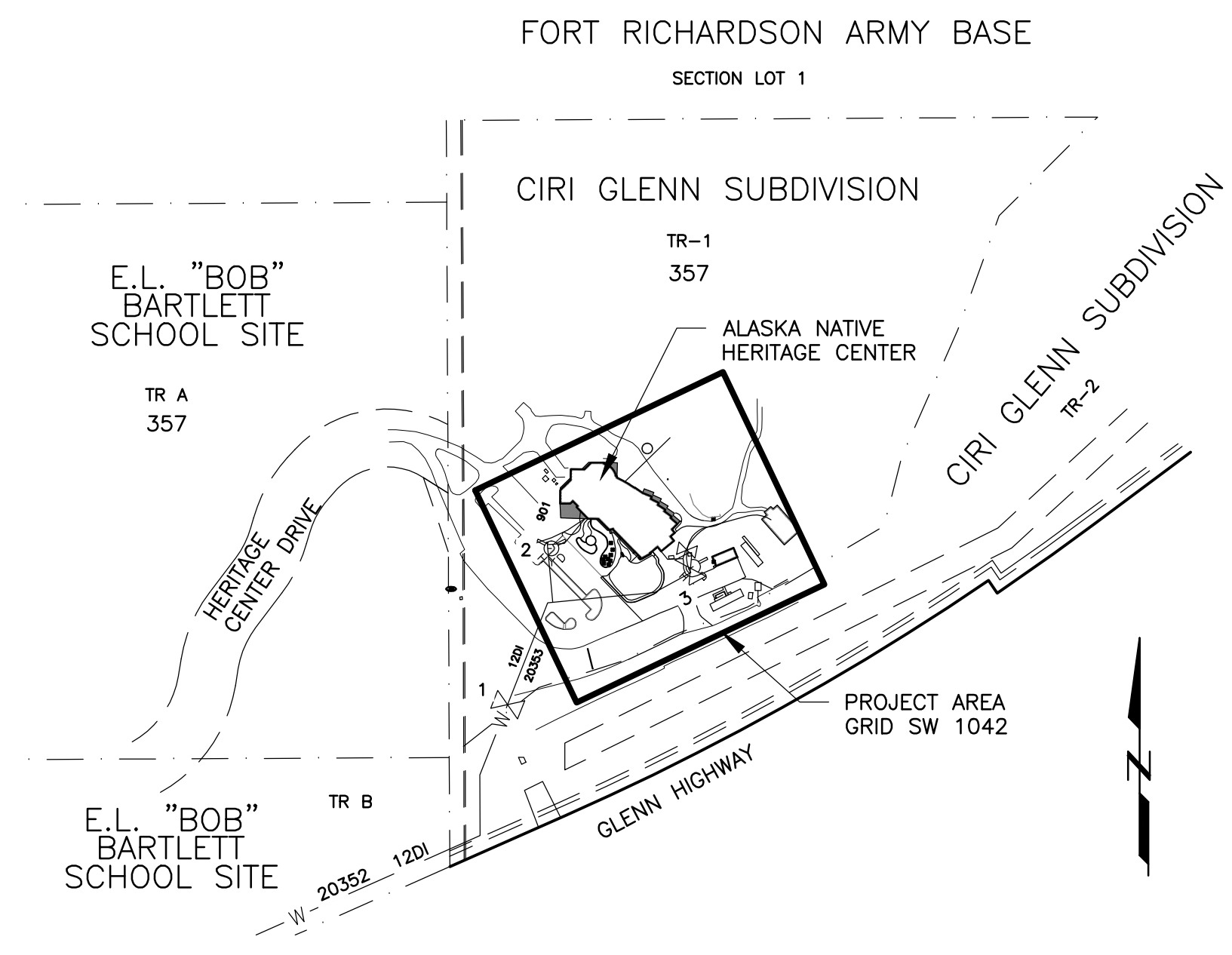
WATER NOTES:

- HYDRANTS WILL BE ADJUSTED TO FINAL GRADE BY AWWU O&M DIVISION. THE CONTRACTOR'S ENGINEER SHALL GIVE A MINIMUM FORTY-EIGHT (48) HOURS WRITTEN NOTICE TO AWWU ENGINEERING INDICATING THE TYPE OF FIRE HYDRANT AND THE AMOUNT OF VERTICAL ADJUSTMENT. ALL HYDRANTS ADJUSTED BY AWWU ARE ON A REIMBURSABLE BASIS, EXCEPT AWWU CAPITAL PROJECTS.
- AWWU, AFD, ANHC AND EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER SERVICE TO THE EXISTING CUSTOMERS IF THE OUTAGE EXCEEDS 6-HOURS OR IF DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL HAVE A TEMPORARY WATER SERVICE PLAN REVIEWED AND APPROVED BY ADEC.
- ALL WATER MAINS SHALL BE POLYVINYL CHLORIDE (PVC) C-900, DR-18 AS SHOWN IN THE PLANS, CONFORMING TO THE REQUIREMENTS OF AWWA C900.
- ALL BENDS, TEES, FIRE HYDRANTS, AND DEAD-ENDS SHALL HAVE RESTRAINED FITTINGS. ALL MECHANICALLY RESTRAINED FITTINGS SHALL BE EBAA IRON MEGALUG SERIES 2000PV OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
- NO PIPE LENGTH LESS THAN EIGHT (8') FEET SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE LOCATIONS UNLESS RESTRAINED.
- THRUST RESTRAINT IS REQUIRED FOR ALL FITTINGS. THRUST RESTRAINT SHALL BE PROVIDED BY THE USE OF MECHANICALLY RESTRAINED FITTINGS AND THRUST BLOCKS AT EACH FITTING LOCATION. ALL MECHANICALLY RESTRAINED FITTINGS SHALL BE EBAA IRON MEGALUG SERIES 2000PV OR APPROVED EQUAL UNLESS OTHERWISE NOTED.
- WATER SERVICE SIZES ARE IDENTIFIED ON THE PLANS.
- WATER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY SANITARY SEWER MAIN, SANITARY SEWER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
- THE CONTRACTOR SHALL PROVIDE ALL SETUP AND TEAR DOWN REQUIRED TO OPEN BORE FLUSH NEWLY INSTALLED WATER PIPE. AWWU WILL PROVIDE FLUSH WATER FROM THE AWWU WATER DISTRIBUTION SYSTEM. THE CONTRACTOR MUST REQUEST WATER AT LEAST 48 HOURS PRIOR TO OPEN BORE FLUSHING. OPEN BORE FLUSHING MUST TAKE PLACE PRIOR TO INSTALLATION OF WATER SERVICES.
- ALL WATER MAIN AND SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY.
- ALL WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 10 FEET OF BURY AT ALL POINTS.
- MAXIMUM DEFLECTION OF PIPE PER JOINT SHALL NOT EXCEED 80% OF THE MANUFACTURER'S RECOMMENDED DEFLECTION. PVC PIPE SHALL NOT BE DEFLECTED WITHOUT THE USE OF FITTINGS OR DEFLECTION COUPLINGS. FLEXING OR BENDING OF PVC PIPE WILL NOT BE ALLOWED.
- ALL PIPE BEDDING SHALL BE CLASS 'E'.
- THE EXISTING WATER SERVICE SHALL BE REPLACED WITH A NEW SERVICE AS SHOWN ON THE PLAN. DISCONNECT SERVICE AT KEY BOX, REMOVE KEY BOX, CURB STOP, AND SERVICE LINE BETWEEN THE KEY BOX AS SHOWN ON THE PLAN. FURNISH AND INSTALL WATER SERVICE LINE WITH NEW CORPORATION STOP, CURB STOP, AND KEY BOX.
- THE CONTRACTOR SHALL RELOCATE ANY WATER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD DISTANCES PRIOR TO ACCEPTANCE BY AWWU.

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN THE MOST CURRENT EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS FOR STREETS, DRAINAGE, UTILITIES, PARKS (MASS), THE AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL, AND THE SPECIAL PROVISIONS.
- MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL AND EIGHTEEN (18) INCHES VERTICAL SEPARATION BETWEEN WATER AND SANITARY OR STORM SEWER MAINS AND SERVICES. SANITARY AND STORM SEWER PIPE JOINTS SHALL BE PLACED AT LEAST NINE (9) FEET FROM ANY WATERLINE CROSSING.
- MAINTAIN A MINIMUM OF 36-INCHES OF VERTICAL SEPARATION BETWEEN ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MANS OR SERVICES) OR SANITARY SEWER (MANS OR SERVICES). IF 36-INCHES CANNOT BE MAINTAINED, PROVIDE A MINIMUM OF 4-INCH THICK INSULATION.
- ALL WATER/SEWER PIPE INSULATION SHALL BE RIGID BOARD, HIGH DENSITY POLYSTYRENE, MIN. 60 P.S.I., FOR UNDERGROUND INSTALLATIONS EQUIVALENT TO R-20 PER FOUR (4) INCH THICK INSULATION.
- CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION, OR AS INDICATED IN THE PLANS.
- IN THE CASE OF CONFLICT BETWEEN STATIONING OR DIMENSIONED LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS.
- THE CONTRACTOR SHALL RECORD SURVEY NOTES IN A FORMAT SIMILAR TO THAT SHOWN IN MASS DIVISION 65 FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
- CONTRACTOR SHALL FIELD INSTALL A BELL PROTECTION DEVICE SUCH AS THE EBAA MEGA STOP SERIES 5000 OR EQUAL FOR PVC WATER MAIN AND SERVICE CONNECTIONS.
- ALL NUTS, BOLTS AND WASHERS USED TO CONSTRUCT VALVES SHALL BE STAINLESS STEEL (TYPE 316). "BLUE" NUTS, BOLTS AND WASHERS ARE ACCEPTABLE FOR ALL OTHER WATER FITTINGS.
- FLUSH AND DISINFECT IN ACCORDANCE WITH MASS REQUIREMENTS.
- ASBUILT INFORMATION IS AVAILABLE. CONTRACTOR SHALL FIELD ADJUST DESIGN AS NECESSARY TO AVOID UTILITY CONFLICTS AND MATCH EXISTING UTILITIES.

CALL BEFORE YOU DIG
 The Contractor shall notify all area utility companies prior to commencement of excavation. The following is a partial list:
 LOCATE CALL CENTER of ALASKA 278-3121 (includes ACS, AWWU, CEA, ENG, Butler Aviation/Tesoro, STATE GCI, MLP, Traffic Signals, MOA Storm/Streets)
 MILITARY PETROLEUM LINES 552-3760

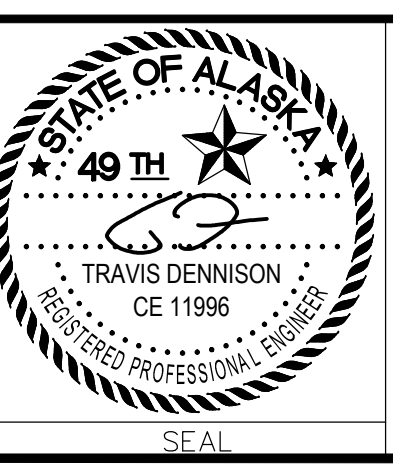


1 WATER KEY MAP
 SCALE: 1" = 300'

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

| | |
|--|--|
| 1. DATA PROVIDED BY: _____ This shall serve to certify that these Record Drawings are a true and accurate representation of the project as constructed. CONTRACTOR: _____ BY: _____ TITLE: _____ DATE: _____ | 3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed. DATA TRANSFER CHECKED BY: _____ COMPANY: _____ BY: _____ TITLE: _____ DATE: _____ |
| 2. DATA TRANSFERRED BY: _____ COMPANY: _____ DATE: _____ | |

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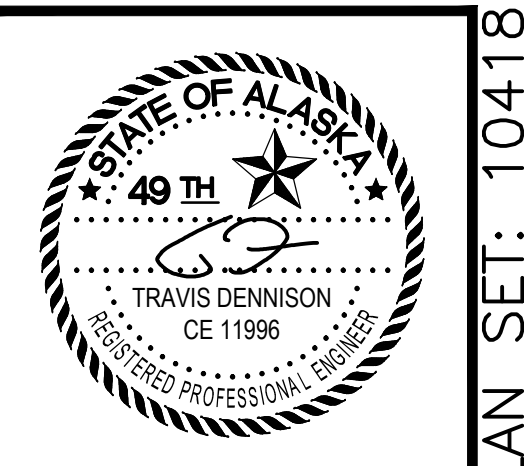


CONSULTANT

MABEL PIKE EDUCATIONAL CENTER EXPANSION
 WATER/SEWER UPGRADE

KEY MAP, NOTES, LEGEND, & ABBREVIATIONS

| | | | |
|---------------------|----------------------|---------------|--------------|
| HORIZ SCALE: N.T.S. | DATE: JUNE 2014 | GRID: SW 1042 | SHEET 1 of 4 |
| VERT SCALE: N.T.S. | PROJ. ID.: PS-14-036 | | |



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 Anchorage, Alaska

Alaska Native Heritage Center
 8800 Heritage Drive
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| Drawn | |
| Checked | |
| Date | 06/02/2014 |

Sheet Contents:
WATER NOTES, KEY MAP, AND LEGEND

Sheet No.:
C6.1
 USKH W.O. 1331601



Date Stamped: 6/2/2014

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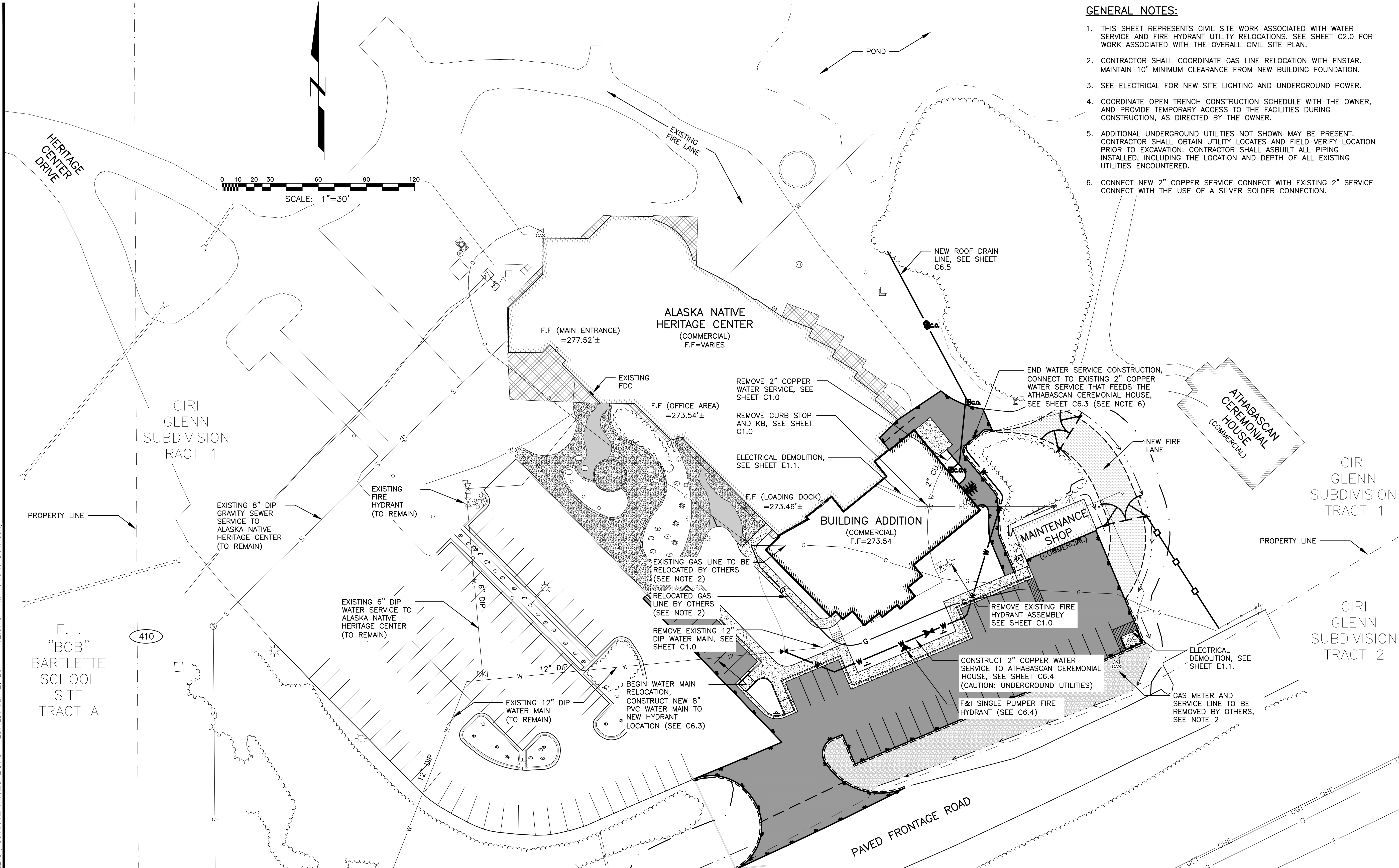
Sheet Contents:
FIRE HYDRANT AND WATER SERVICE RELOCATION SITE PLAN

Sheet No.:
C6.2

USKH W.O. 1331601

GENERAL NOTES:

- THIS SHEET REPRESENTS CIVIL SITE WORK ASSOCIATED WITH WATER SERVICE AND FIRE HYDRANT UTILITY RELOCATIONS. SEE SHEET C2.0 FOR WORK ASSOCIATED WITH THE OVERALL CIVIL SITE PLAN.
- CONTRACTOR SHALL COORDINATE GAS LINE RELOCATION WITH ENSTAR. MAINTAIN 10' MINIMUM CLEARANCE FROM NEW BUILDING FOUNDATION.
- SEE ELECTRICAL FOR NEW SITE LIGHTING AND UNDERGROUND POWER.
- COORDINATE OPEN TRENCH CONSTRUCTION SCHEDULE WITH THE OWNER, AND PROVIDE TEMPORARY ACCESS TO THE FACILITIES DURING CONSTRUCTION, AS DIRECTED BY THE OWNER.
- ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN MAY BE PRESENT. CONTRACTOR SHALL OBTAIN UTILITY LOCATES AND FIELD VERIFY LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL ASBUILT ALL PIPING INSTALLED, INCLUDING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES ENCOUNTERED.
- CONNECT NEW 2" COPPER SERVICE CONNECT WITH EXISTING 2" SERVICE CONNECT WITH THE USE OF A SILVER SOLDER CONNECTION.



| DATA | DRAWN BY | CHECKED BY | DATA | DRAWN BY | CHECKED BY | REV | DATE | DESCRIPTION | BY |
|----------------|----------|------------|------------------|----------|------------|-----|------|-------------|----|
| BASE | | | TELEPHONE | | | | | | |
| TOPOGRAPHY | | | ELECTRIC | | | | | | |
| PROFILE | | | CABLE TV | | | | | | |
| SANITARY SEWER | | | TRAFFIC SIGNAL | | | | | | |
| STORM SEWER | | | DESIGN | | | | | | |
| WATER | | | QUANTITIES | | | | | | |
| GAS | | | MUN. FINAL CHECK | | | | | | |

VERIFY SCALE
 THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.
 IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.
 FULL SIZE SCALE
 HORZ SCALE: 1" = 30'
 VERT SCALE:

RECORD DRAWING Note: To be filled out on original drawings upon project completion.

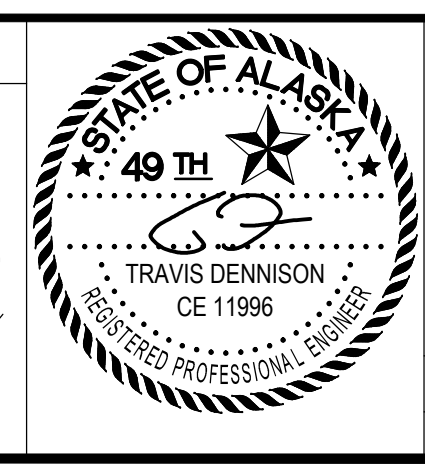
1. DATA PROVIDED BY:
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 BY: _____ TITLE: _____
 DATE: _____

2. DATA TRANSFERRED BY:
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 DATE: _____

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 DATA TRANSFER CHECKED BY: _____
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 BY: _____ TITLE: _____
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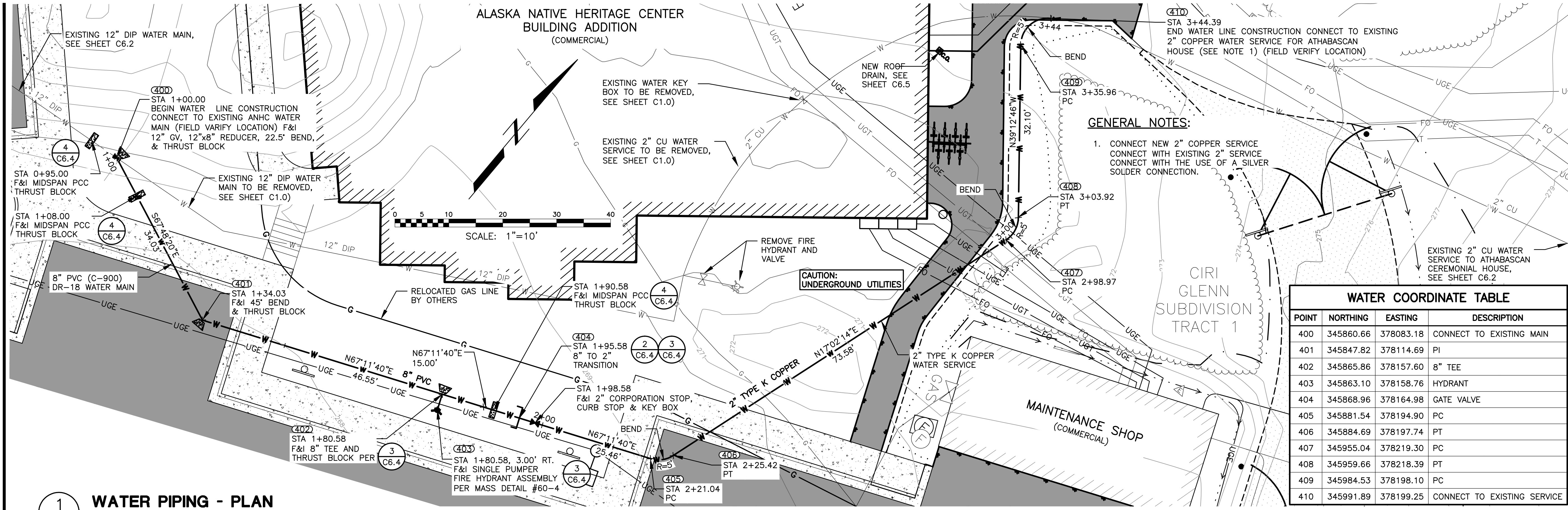
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KEY MAP, NOTES, LEGEND,
 & ABBREVIATIONS

HORZ SCALE: 1"=30'
 VERT SCALE:
 DATE: JUNE 2014
 PROJ. ID.: PS-14-036
 GRID: SW 1042
 SHEET 2 of 4

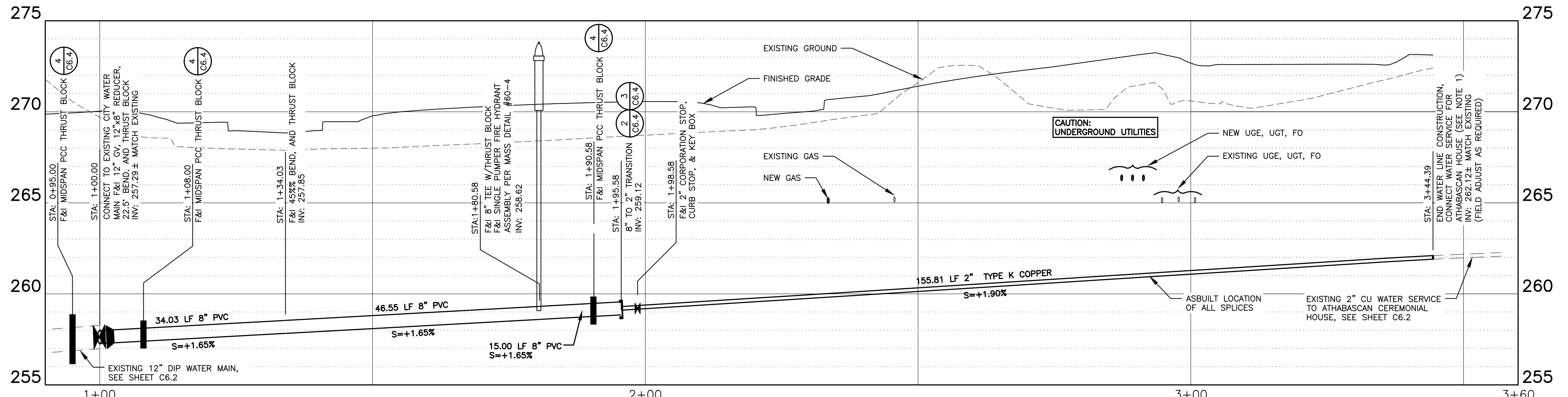


GENERAL NOTES:

1. CONNECT NEW 2" COPPER SERVICE CONNECT WITH EXISTING 2" SERVICE CONNECT WITH THE USE OF A SILVER SOLDER CONNECTION.

| WATER COORDINATE TABLE | | | |
|------------------------|-----------|-----------|-----------------------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 400 | 345860.66 | 378083.18 | CONNECT TO EXISTING MAIN |
| 401 | 345847.82 | 378114.69 | PI |
| 402 | 345865.86 | 378157.60 | 8" TEE |
| 403 | 345863.10 | 378158.76 | HYDRANT |
| 404 | 345868.96 | 378164.98 | GATE VALVE |
| 405 | 345881.54 | 378194.90 | PC |
| 406 | 345884.69 | 378197.74 | PT |
| 407 | 345955.04 | 378219.30 | PC |
| 408 | 345959.66 | 378218.39 | PT |
| 409 | 345984.53 | 378198.10 | PC |
| 410 | 345991.89 | 378199.25 | CONNECT TO EXISTING SERVICE |

1 WATER PIPING - PLAN
C6.3 SCALE: 1" = 10'



2 WATER PIPING - PROFILE
C6.3 SCALE: H: 1"=10' V: 1"=3'

| VERIFY SCALE | | THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING. | | IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY. | | FULL SIZE SCALE HORZ SCALE: 1"=10' VERT SCALE: 1"=3' | |
|----------------|----------|---|------|---|-------------|--|----|
| DATA | DRAWN BY | CHECKED BY | DATE | REVISION | DESCRIPTION | DATE | BY |
| BASE | | TELEPHONE | | | | | |
| TOPOGRAPHY | | ELECTRIC | | | | | |
| PROFILE | | CABLE TV | | | | | |
| SANITARY SEWER | | TRAFFIC SIGNAL | | | | | |
| STORM SEWER | | DESIGN | | | | | |
| WATER | | QUANTITIES | | | | | |
| GAS | | MUN. FINAL CHECK | | | | | |

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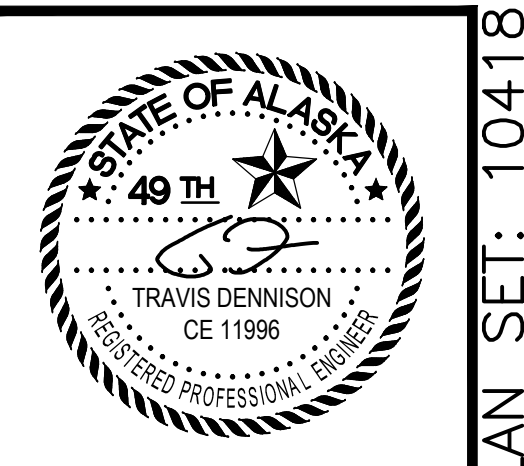
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KEY MAP, NOTES, LEGEND, & ABBREVIATIONS

HORZ SCALE: 1"=10'
VERT SCALE: 1"=3'
DATE: JUNE 2014
GRID: SW 1042
PROJ. ID.: PS-14-036
SHEET 3 of 4



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Project Mgr. JAC

Drawn

Checked

Date 06/02/2014

Sheet Contents:
WATER PIPING PLAN AND PROFILE

Sheet No.:
C6.3

USKH W.O. 1331601

AWU PLAN SET: 10418

FILE: I:\1331601\DWG\CS\1331601_C6.3_P&P.DWG PLOTTED: Jun 2, 2014 - 12:38:03 PM (Travis Dennison)



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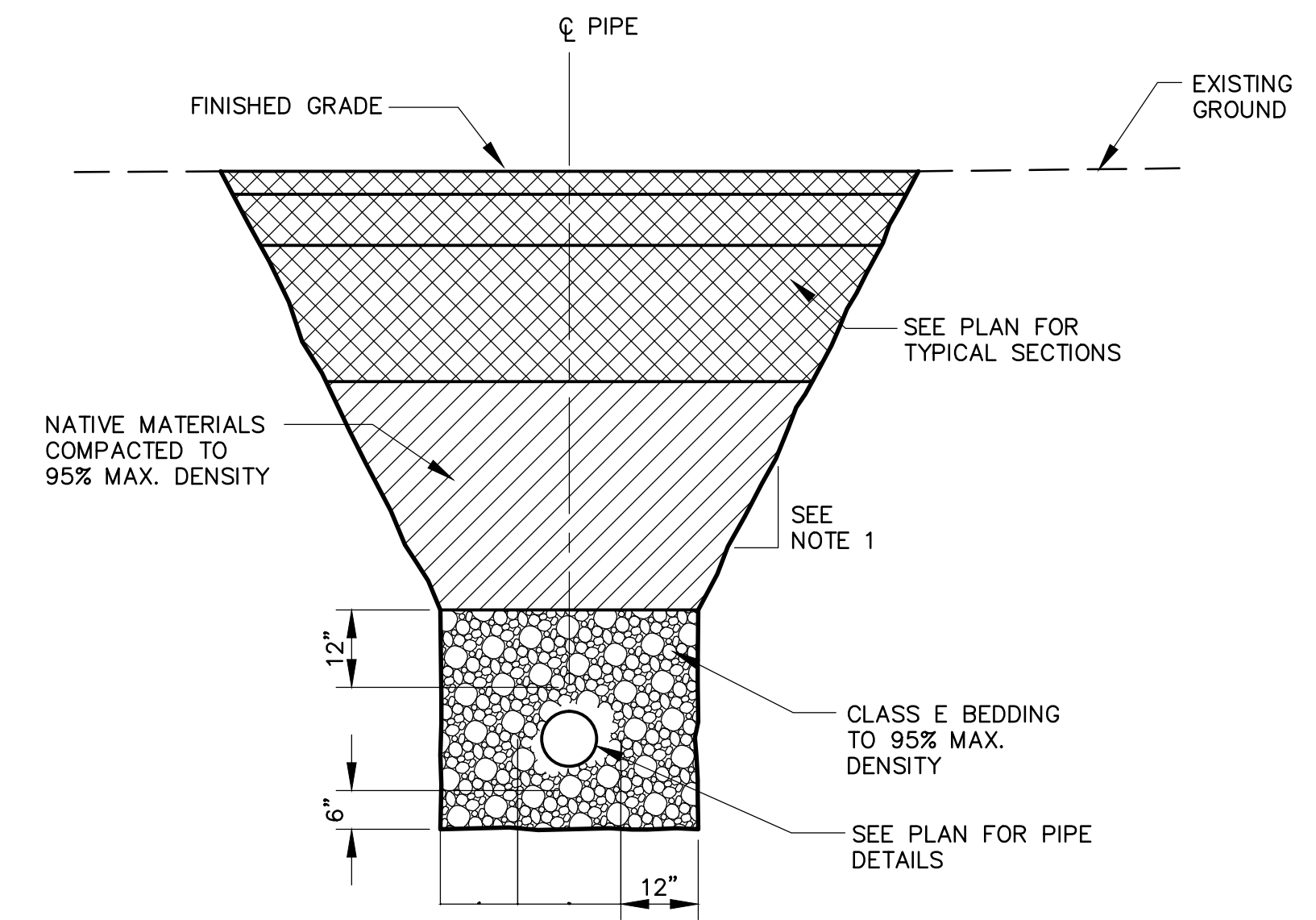
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| Drawn | |
| Checked | |
| Date | 06/02/2014 |

Sheet Contents:
WATER DETAILS

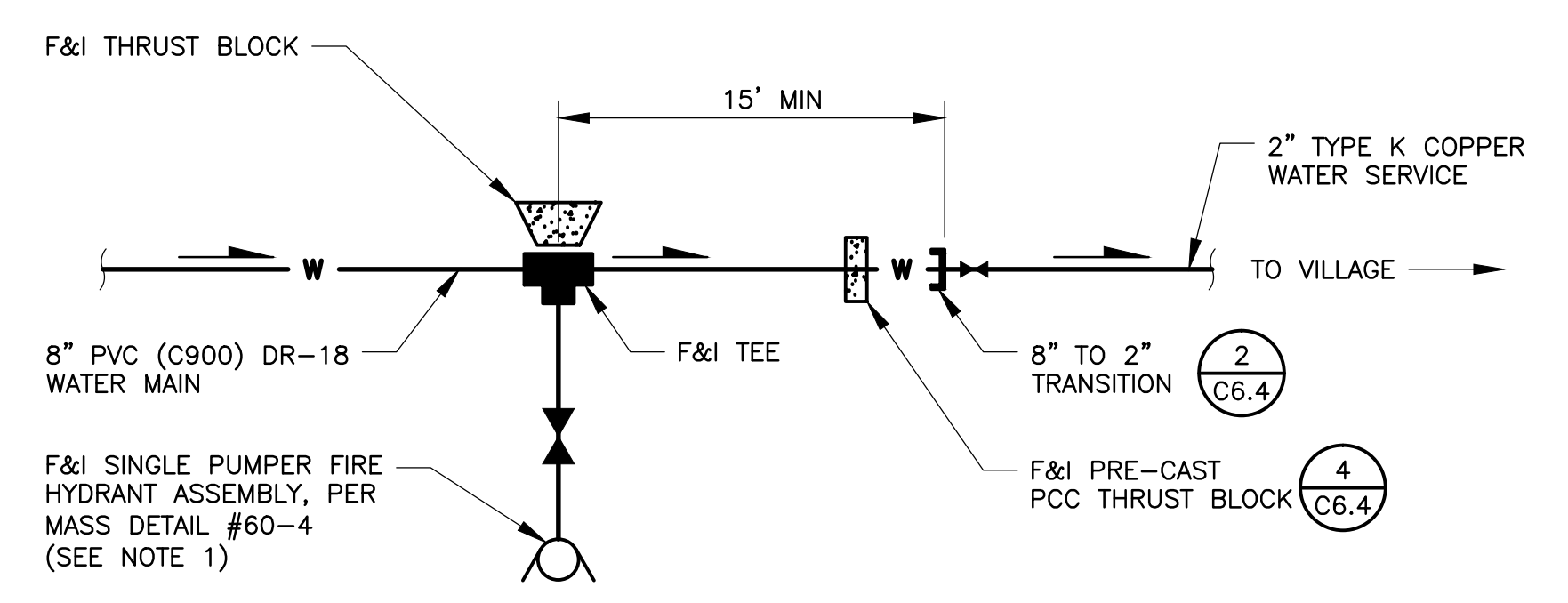
Sheet No.:
C6.4
USKH W.O. 1331601

AWWU PLAN SET: 10418



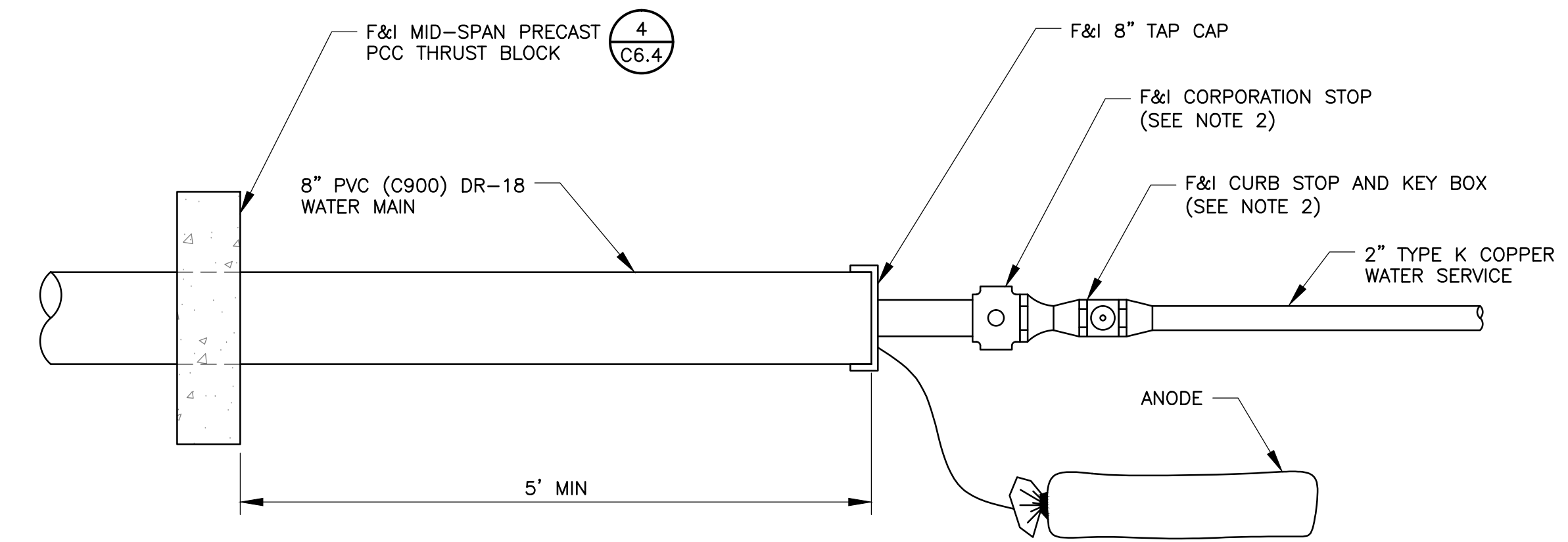
- NOTES:**
- TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTERISTICS. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
 - REMOVE ALL ORGANICS ENCOUNTERED DURING TRENCH EXCAVATION AND REPLACE WITH SUITABLE MATERIAL.

1 UTILITY TRENCH DETAIL
SCALE: N.T.S.



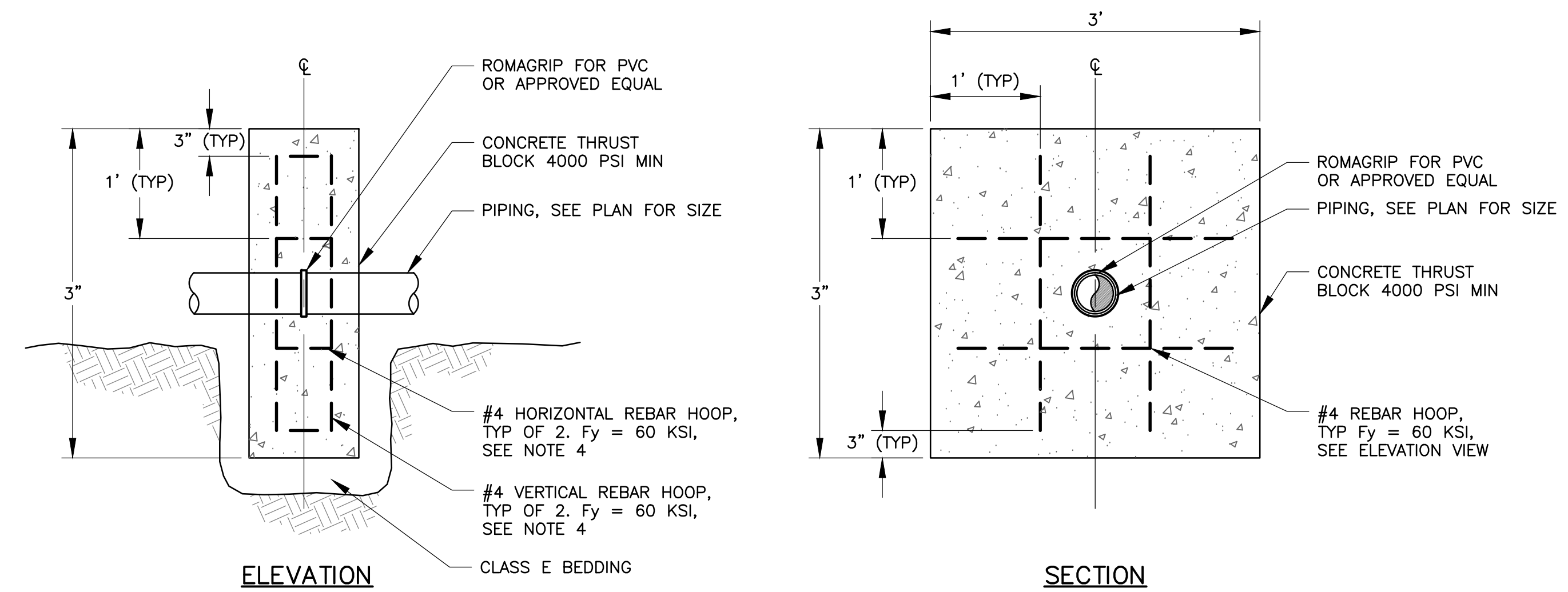
- NOTES:**
- FIRE HYDRANT ASSEMBLY SHALL INCLUDE HYDRANT, 6" DIP LATERAL, 6" GV W/VB, 6" TEE AND ALL OTHER COMPONENTS REQUIRED TO COMPLETE THE ASSEMBLY.
 - PROVIDE ANODES ON DIP LATERAL, VALVE, AND HYDRANT.

3 FIRE HYDRANT AND WATER SERVICE CONNECTION
SCALE: N.T.S.



- NOTES:**
- ALL JOINTS WILL BE MECHANICALLY RESTRAINED.
 - CORPORATION, CURB STOPS, AND KEY BOXES WILL BE SIZED ACCORDING TO THE EXISTING SERVICE EXTENSION SIZE AND INSTALLED ACCORDING TO MASS TYPICAL DETAILS.

2 8" TO 2" TRANSITION
SCALE: N.T.S.



- NOTES:**
- INSTALL MID-SPAN THRUST BLOCK TO PROVIDE ADDITIONAL RESTRAINT TO THE END OF THE WATER MAIN. PLACE A MINIMUM OF 5' FROM TAP CAP.
 - INSTALL ROMAGRIP FOR PVC PER MANUFACTURER'S INSTRUCTIONS.
 - BACKFILL AROUND THRUST BLOCK SHALL BE PER THE TRENCH SECTION.
 - PROVIDE FOUR CONTINUOUS #4 REBAR HOOPS IN THRUST BLOCK. PLACE HOOPS PARALLEL TO HORIZONTAL AND VERTICAL AXIS AROUND MID SPAN RESTRAINT.
 - CONCRETE SHALL REACH 75% MAXIMUM STRENGTH BEFORE PUTTING THRUST BLOCK INTO SERVICE.

4 MID-SPAN PRECAST PCC THRUST BLOCK
SCALE: N.T.S.

| DATA | DRAWN BY | CHECKED BY | DATE | DESCRIPTION | BY |
|----------------|----------|------------|------|-------------|----|
| BASE | | | | | |
| TOPOGRAPHY | | | | | |
| PROFILE | | | | | |
| SANITARY SEWER | | | | | |
| STORM SEWER | | | | | |
| WATER | | | | | |
| GAS | | | | | |

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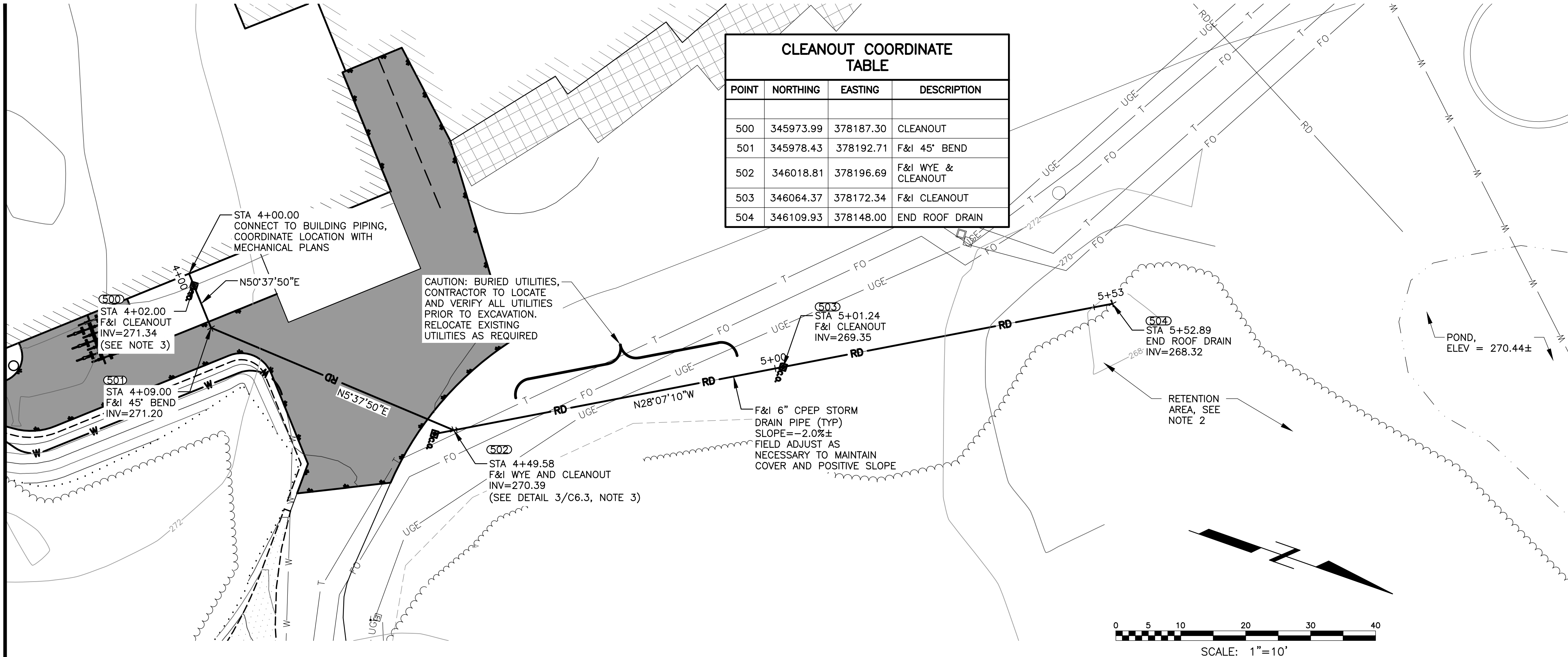
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WATER/SEWER UPGRADE

KEY MAP, NOTES, LEGEND, & ABBREVIATIONS

HORIZ SCALE: N.T.S. DATE: JUNE 2014 GRID: SW 1042
VERT SCALE: N.T.S. PROJ. ID.: PS-14-036 SHEET 4 of 4

FILE: I:\1331601\DWGS\CS\1331601_C6.4_PIPING.DWG PLOTTED: Jun 2, 2014 - 12:38:11 PM (Travis Dennison)

| CLEANOUT COORDINATE TABLE | | | |
|---------------------------|-----------|-----------|--------------------|
| POINT | NORTHING | EASTING | DESCRIPTION |
| 500 | 345973.99 | 378187.30 | CLEANOUT |
| 501 | 345978.43 | 378192.71 | F&I 45° BEND |
| 502 | 346018.81 | 378196.69 | F&I WYE & CLEANOUT |
| 503 | 346064.37 | 378172.34 | F&I CLEANOUT |
| 504 | 346109.93 | 378148.00 | END ROOF DRAIN |



- NOTES:**
- HEAT TRACE REQUIRED FOR ROOF DRAIN LINE, SEE ELECTRICAL.
 - CONTRACTOR SHALL CONDUCT INFILTRATION TESTING IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE DRAINAGE DESIGN GUIDE SECTION 9.2.1 (TESTING INFILTRATION CAPACITY). TESTING SHALL BE PERFORMED BY A QUALIFIED ENGINEER OR GEOLOGIST PRIOR TO CONSTRUCTION OF THE ROOF DRAIN LINE. NOTIFY THE ENGINEER IMMEDIATELY IF THE TESTS DO NOT SATISFY THE MINIMUM INFILTRATION RATE OF 0.3 IN/HR. THE ENGINEER MAY REQUEST ADDITIONAL INFILTRATION TESTING AT NO COST.
 - INSTALL CLEANOUT WITHIN 2' OF THE EXISTING BUILDING.



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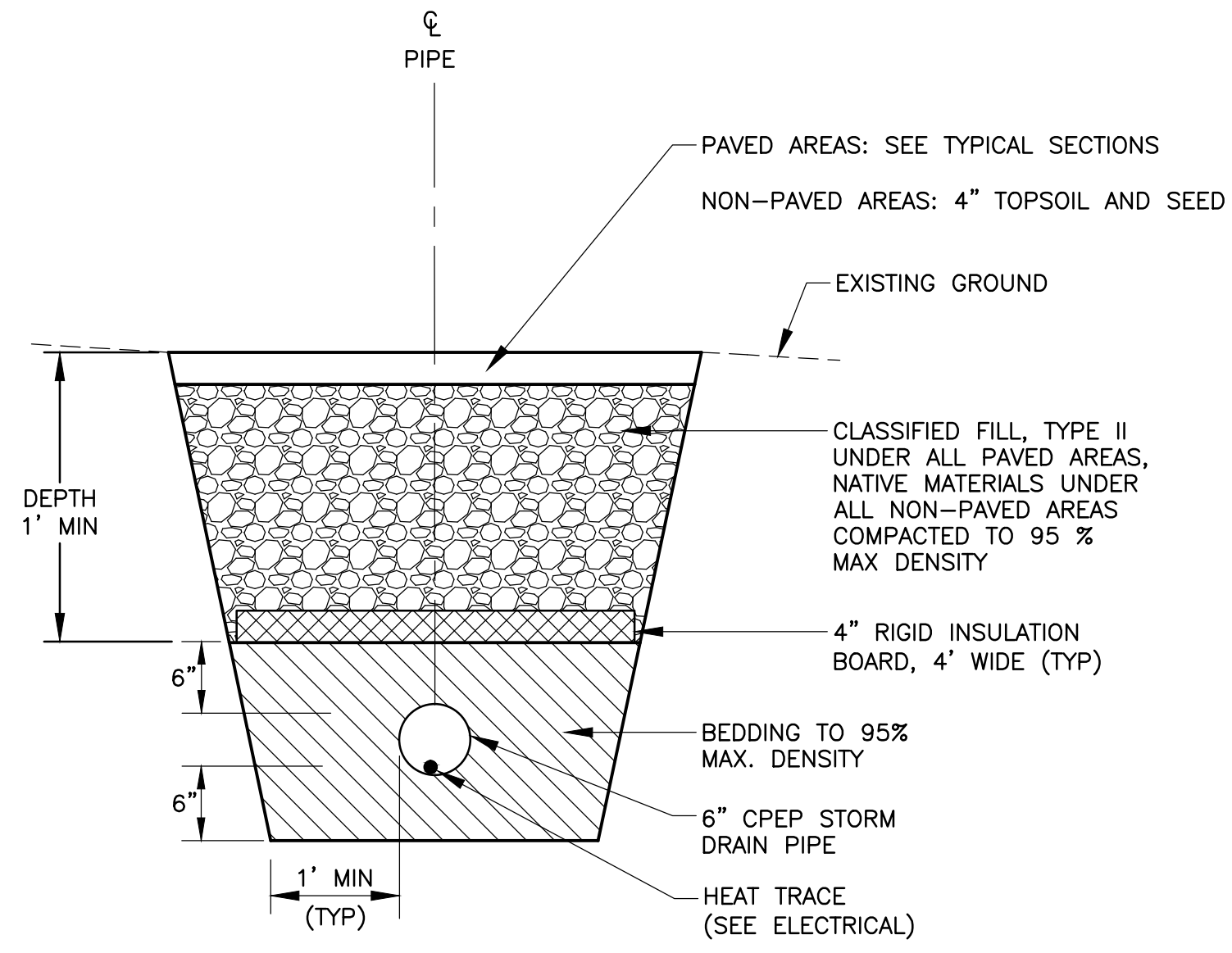
1 ROOF DRAIN- PLAN
 SCALE: 1" = 10'

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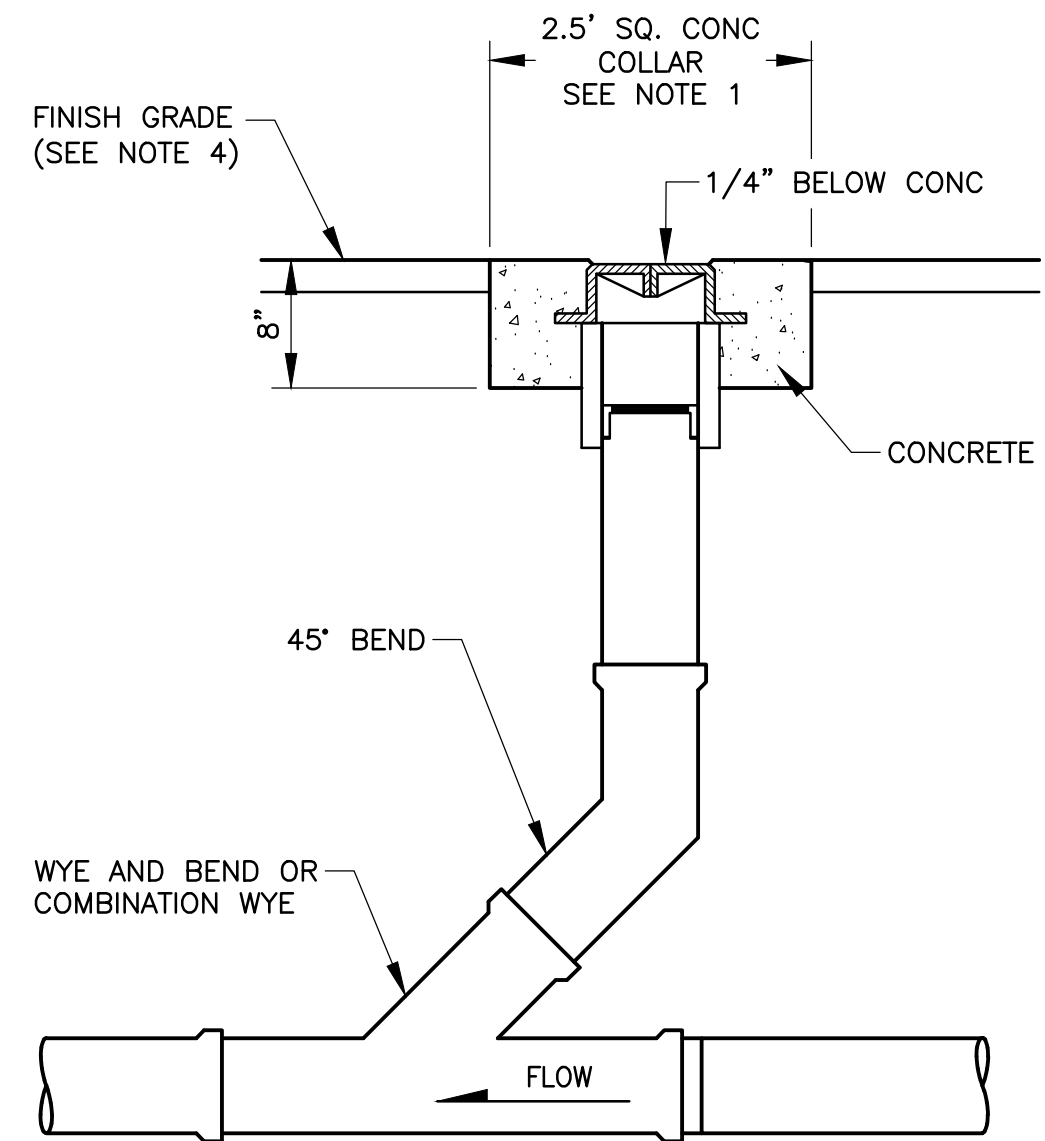
Sheet Contents:
ROOF DRAIN PLAN AND DETAILS

Sheet No.:
C6.5
 USKH W.O. 1331601



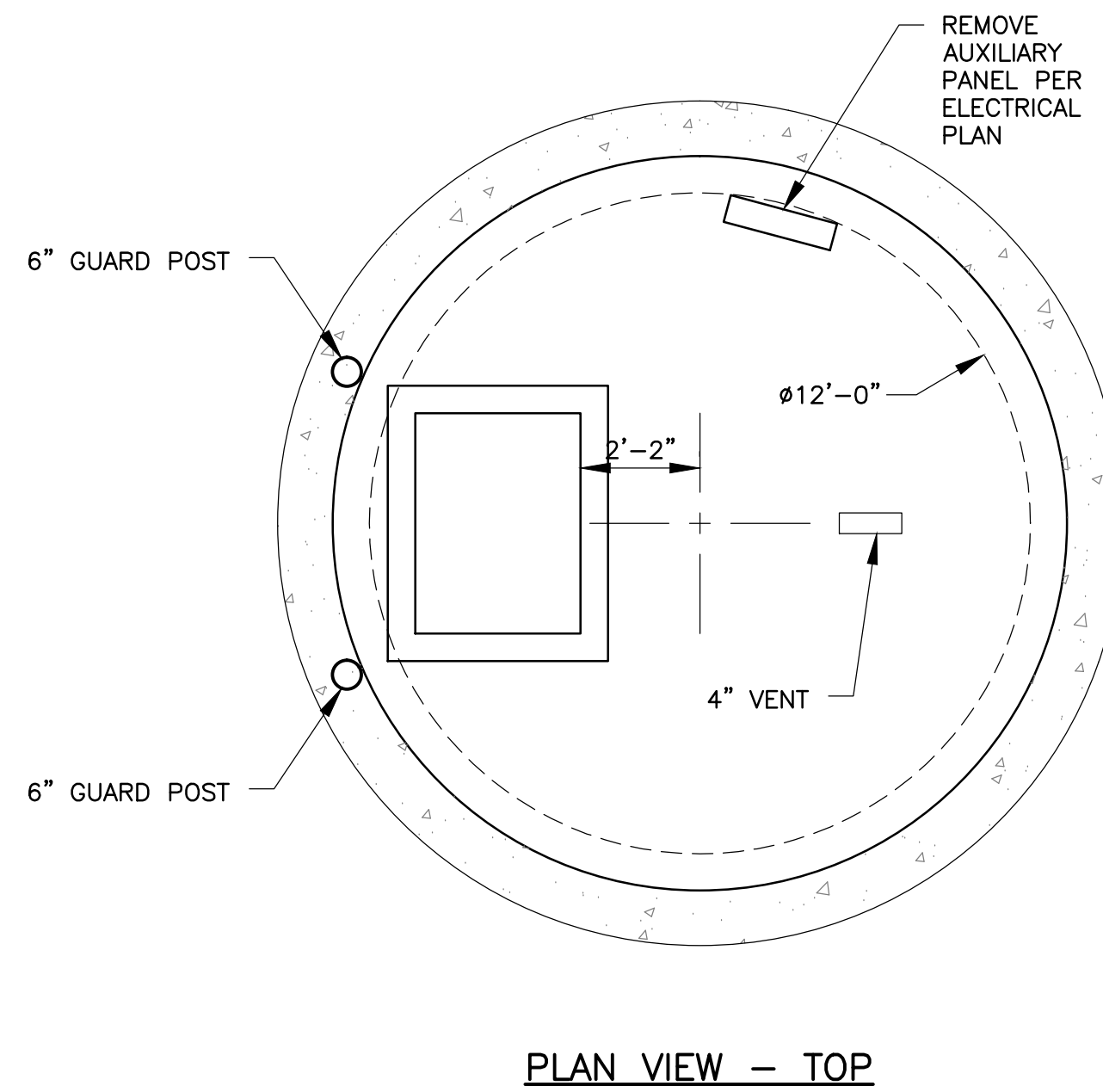
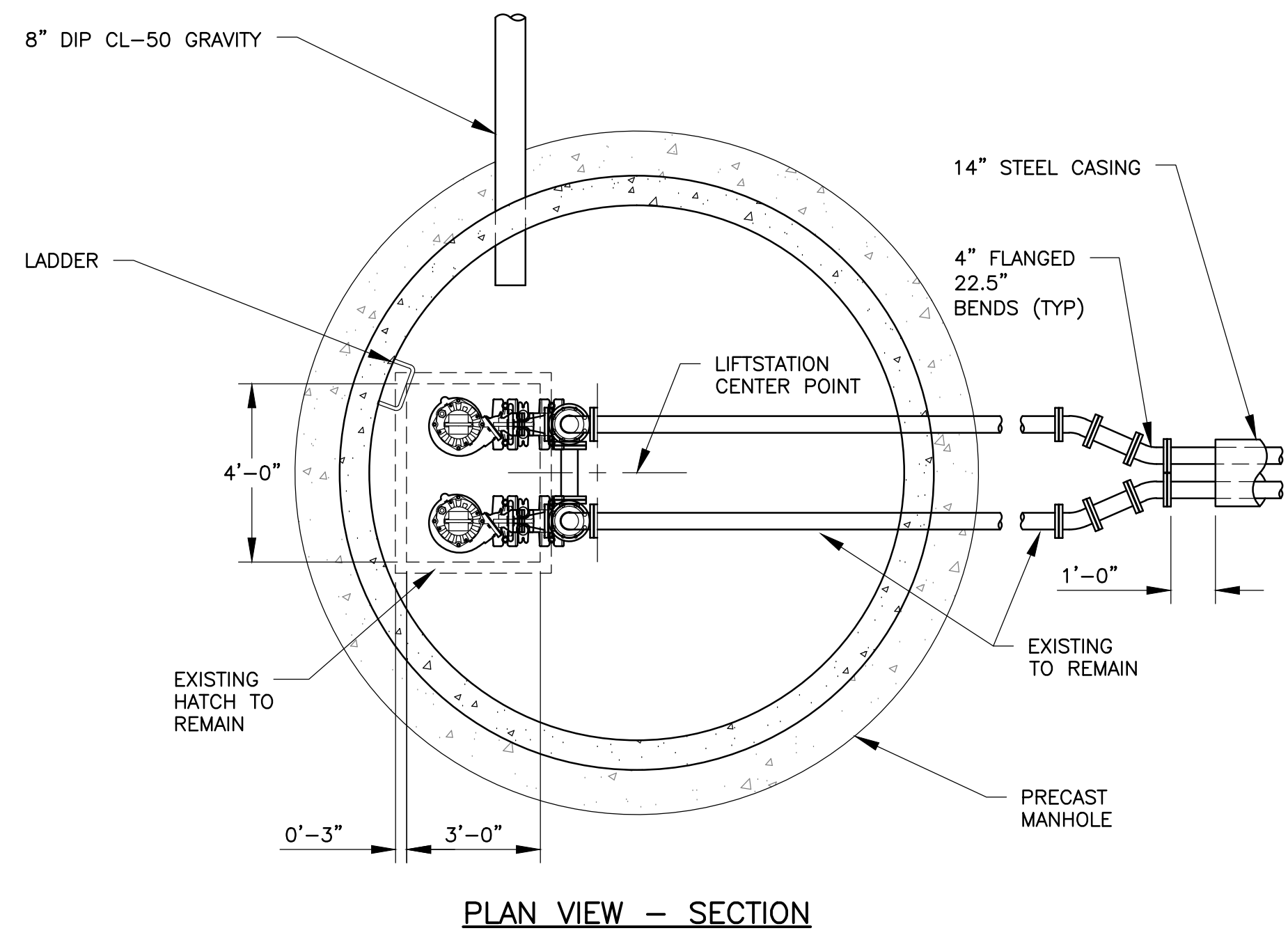
2 ROOF DRAIN TRENCH DETAIL
 SCALE: N.T.S.

- NOTES:**
- CLEANOUT RING & COVER SHALL BE 1154 ATLAS FOUNDRY & MACHINE CO, OR EQUAL APPROVED BY ENGINEER.
 - CLEANOUT TO MATCH SIZE OF MAIN PIPE.
 - WHERE CLEANOUT IS LOCATED AT A HORIZONTAL BEND, A HORIZONTAL WYE SHALL BE USED SO CLEANOUT IS ALIGNED WITH DOWN STREAM SERVICE SEGMENT (SEE PLAN).
 - OMIT CONCRETE COLLAR AND BURY TOP OF CLEANOUT 6" BELOW FINISHED GRADE IN UNPAVED AREAS.



3 ROOF DRAIN CLEAN OUT DETAIL
 SCALE: N.T.S.

FILE: I:\1331601\DWGS\C\1331601_C6.5_ROOF-DRAIN.DWG PLOTTED: Jun 2, 2014 - 12:38:23 PM (Travis Dennison)



GENERAL NOTES:

1. REMOVE EXISTING PUMPS AND CONTROLS, REPLACE WITH NEW AS SHOWN. ALL WORK SHALL CONFORM TO TECHNICAL SPECIFICATION 02532 - LIFT STATION REHABILITATION.
2. SEE ELECTRICAL SHEET E1.3 FOR POWER AND CONTROL DETAILS.
3. THE EXISTING MANHOLE EXTENDS BELOW THE WATER TABLE AND IS LEAKING NEAR THE INLET PIPE. THE CONTRACTOR SHALL REPAIR THE MANHOLE IN ACCORDANCE WITH THE FOLLOWING:
 - A. CONTROL FLOW OF WATER BY INJECTING HYDROPHILIC POLYURETHANE GROUT INTO SOIL SURROUNDING THE LEAKS, PER MANUFACTURERS RECOMMENDATIONS. MINOR LEAKS MAY BE STOPPED WITH OAKUM OR CLOTH SOAKED IN GROUT.
 - B. REMOVE DETERIORATED CONCRETE. SCRUB CONCRETE SURFACES WITH PASTE OF LATEX OR EPOXY BONDING AGENT AND MORTAR.
 - C. REPAIR CONCRETE WITH NON-SHRINK GROUT AND/OR EPOXY PATCHING COMPOUNDS.
4. REMOVE ALL VALVES, PIPING, BRACKETS, FITTINGS, AND PUMPS UPSTREAM OF THE 4" TEE, PER DETAIL 1/C7.0.
5. FURNISH ONE COMPLETE SPARE PUMP, COMPLETE WITH CABLE, READY AND SET UP FOR DROP IN REPLACEMENT AND INSTALLATION. FURNISH TWO SETS OF MANUFACTURER'S COMPLETE RECOMMENDED PUMP REBUILD PARTS FOR ONE PUMP.
6. ALL EXPOSED METAL SURFACES WITHIN THE LIFT STATION SHALL BE COATED WITH AN EPOXY CORROSION RESISTANT COATING IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION 02532.



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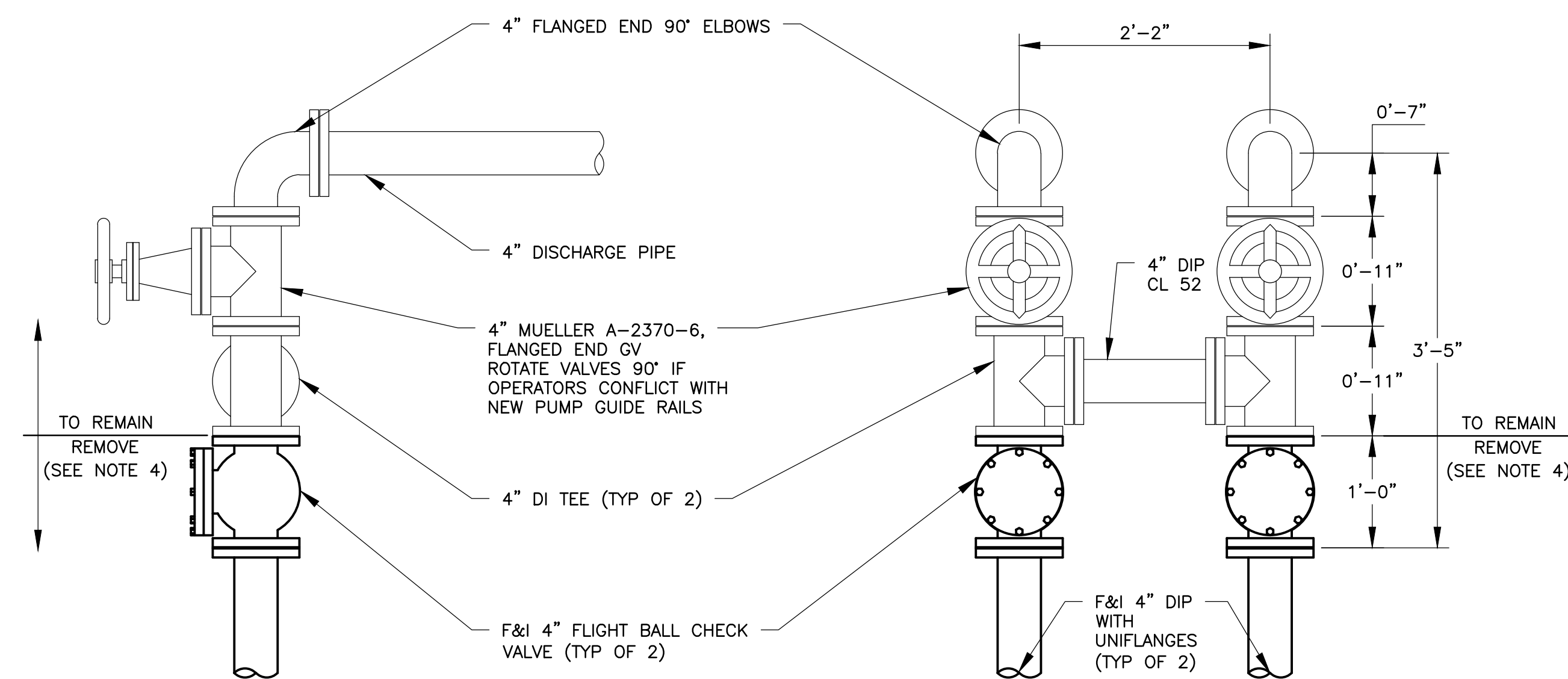
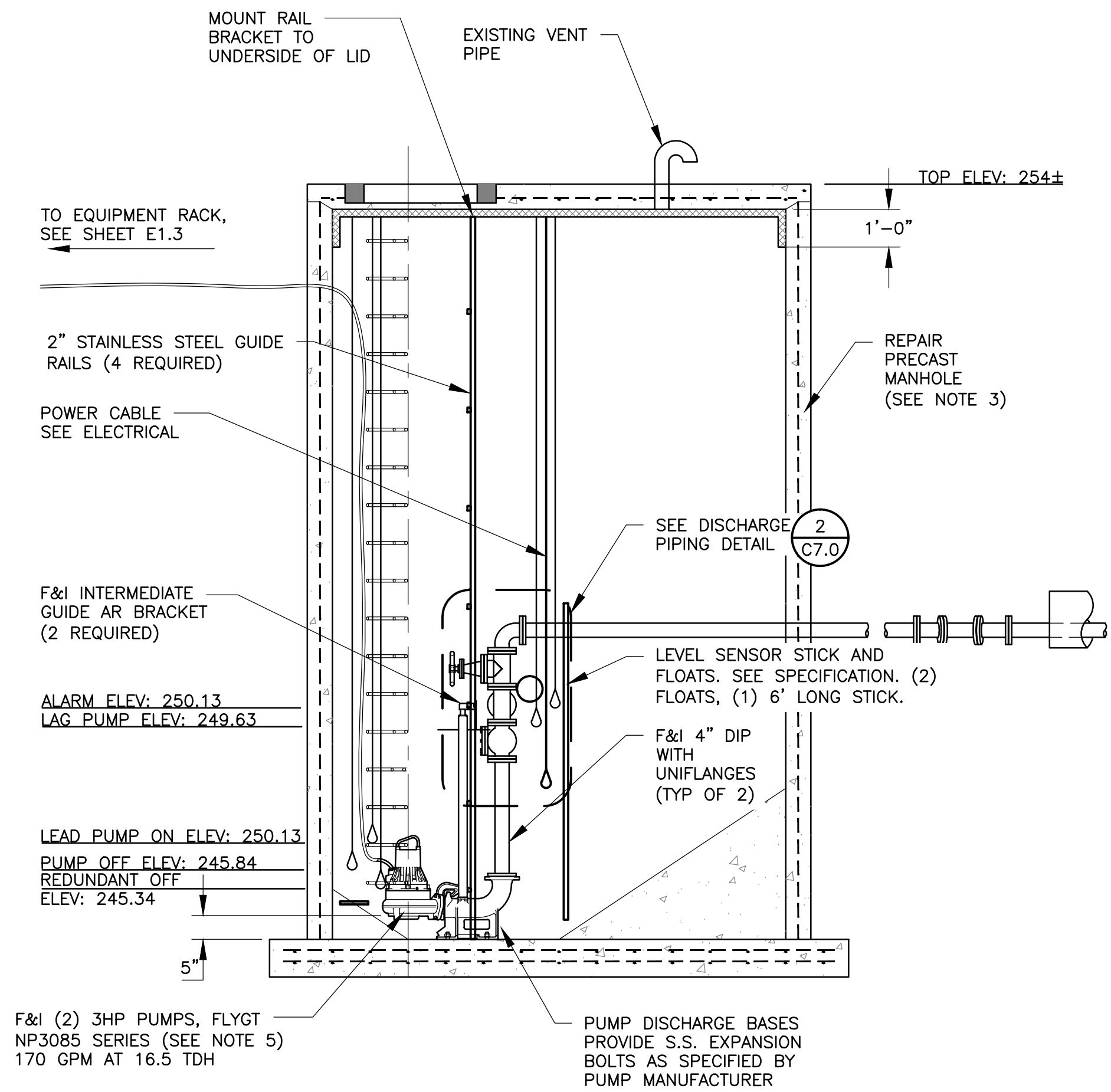
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| Date | 06/02/2014 |

Sheet Contents:
SEWER LIFT STATION REHABILITATION

Sheet No.:

C7.0

USKH W.O. 1331601



1 SANITARY SEWER LIFT STATION
SCALE: N.T.S.

2 SANITARY SEWER LIFT STATION - DISCHARGE PIPING
SCALE: N.T.S.

GENERAL STRUCTURAL NOTES

(APPLIES UNLESS NOTED OTHERWISE)

CODE:

2009 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) WITH MUNICIPALITY OF ANCHORAGE AMENDMENTS.

DESIGN LOADS:

ROOF SNOW LOAD _____ 40 PSF
 WIND LOADS:
 BASIC WIND SPEED _____ 110 MPH
 EXPOSURE _____ B
 IMPORTANCE FACTOR _____ 1.0

SEISMIC LOADS:
 SEISMIC DESIGN CATEGORY _____ D
 BUILDING CATEGORY _____ II
 IMPORTANCE FACTOR _____ 1.0
 SITE CLASSIFICATION _____ D

| COMPONENT AND CLADDING WIND PRESSURES (PSF) | | | | |
|---|-------|-------|-------|-------|
| ZONE | 10 | 20 | 50 | 100 |
| ROOF 1 | -21.8 | -21.2 | -20.5 | -19.9 |
| ROOF 2 | -36.5 | -32.6 | -27.5 | -23.6 |
| ROOF 3 | -55.0 | -45.5 | -33.1 | -23.6 |
| WALL 4 | -23.6 | -22.6 | -21.3 | -20.4 |
| WALL 5 | -29.1 | -27.2 | -24.6 | -22.6 |

STRUCTURAL SYSTEM:
 LIGHT FRAMED WALLS SHEATHED WITH WOOD
 STRUCTURAL PANELS
 R: 6 1/2
 D_o: 3
 C_p: 4
 S_s: 1.59g
 S₁: 0.55g
 S_{Ds}: 0.55g
 S_{D1}: 0.55g
 EQUIVALENT LATERAL FORCE METHOD
 BASE SHEAR COEFFICIENT _____ v=0.15w (0.11w ASD)
 v=27.6k (ASD)

FOUNDATIONS:

GEOTECHNICAL CONSULTANT: _____ GOLDER ASSOCIATES
 REPORT NUMBER: _____ (TBD)

| SPREAD FOOTINGS | DESIGN SOIL BEARING VALUE |
|--|---------------------------|
| SPREAD FOOTINGS ON COMPACTED STRUCTURAL FILL | 4,000 PSF |

CONCRETE:

| TYPICAL CONCRETE COMPRESSIVE STRENGTHS | | |
|---|-------------------------------------|--------------------|
| CONCRETE | MINIMUM 28 DAY COMPRESSIVE STRENGTH | SLUMP AT PLACEMENT |
| UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE _____ | 4,000 PSI _____ | 4 1/2" MAXIMUM |

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".

CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE A SLUMP NOT EXCEEDING 3", TO BE FIELD VERIFIED, PRIOR TO ADDING ADMIXTURE, AND NOT EXCEEDING 8" AT PLACEMENT.

ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED.

MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED TO BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, ETC. CAST CLOSURE POUR AROUND COLUMNS AFTER DEAD LOAD IS APPLIED, UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT. ALL CONCRETE SLABS ON GRADE SHALL BE BONDED BY CONSTRUCTION JOINTS, KEYED OR SAW CUT, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 400 SQUARE FEET. KEYED CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING. ALL OTHER JOINTS MAY BE SAW CUT.

REINFORCING:

| TYPICAL REINFORCING BAR STRENGTHS | |
|-----------------------------------|---------------------------|
| #3 OR LARGER _____ | ASTM A615 (GR60) DEFORMED |

| TYPICAL CLEAR CONCRETE COVERAGE | |
|---|---|
| CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH _____ | 3" |
| FORMED CONCRETE EXPOSED TO EARTH OR WEATHER _____ | #6 AND LARGER _____ 2" #5 AND SMALLER _____ 1 1/2" |
| FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: | |
| SLABS OR WALLS _____ | #6 AND LARGER _____ 2" #5 AND SMALLER _____ 1 1/2" |
| BEAMS (TO PRIMARY REINFORCEMENT OR STIRRUPS) _____ | 1 1/2" |
| ALL OTHERS PER LATEST EDITION OF ACI 318. | |

LAP SPLICES IN CONCRETE:

UNLESS NOTED OTHERWISE, LAP SPLICES IN CONCRETE BEAMS, WALLS, AND SLABS SHALL BE 50 BAR DIAMETERS.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS. REINFORCING BAR SPACINGS GIVEN ARE MAXIMUM ON CENTERS (O.C.). ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

DEFERRED SUBMITTALS:

THE FOLLOWING ITEMS ARE TO BE DESIGNED, STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALASKA AND SUBMITTED TO THE MUNICIPALITY OF ANCHORAGE BUILDING SAFETY DEPARTMENT PRIOR TO BEING INSTALLED/CONSTRUCTED.

- ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT.
- ROOFING ATTACHMENT.

STRUCTURAL STEEL:

| TYPICAL STEEL STRENGTHS | |
|-------------------------|---|
| STRUCTURAL STEEL _____ | ASTM A992 (F _y = 50 KSI) |
| PIPE STEEL _____ | ASTM A501 (F _y = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (F _y = 35 KSI) |
| TUBULAR STEEL _____ | ASTM A500 GRADE "B" (F _y = 46 KSI) |
| BOLTS _____ | ASTM A325 |
| ANCHOR BOLTS _____ | ASTM A307 |

LATEST AISC AND AWS CODES APPLY. ALL CONSTRUCTION PER LATEST AISC HANDBOOK. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC., SHALL BE INSTALLED WITH STEEL WASHERS. ALL WELDING TO BE BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AND ACCEPTED TESTING AGENCY. ALL WELDING TO BE DONE BY E70 SERIES LOW HYDROGEN RODS. ALL WELDING PER AMERICAN WELDING SOCIETY (AWS) STANDARDS. ALL WELDS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FOOT-POUNDS AT MINUS 20 DEGREES F., AS DETERMINED BY AWS CLASSIFICATION OF MANUFACTURER CERTIFICATION. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. SHOP WELDS OR FIELD WELDS SHALL BE SHOWN ON SHOP DRAWINGS. ALL COMPLETE PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.

PERFORM STEEL FABRICATION WITHOUT ADDITIONAL SPECIAL INSPECTION OF WELDING OR BOLTING AS NOTED BELOW. THE STEEL FABRICATOR'S QUALIFICATIONS SHALL BE SUBMITTED TO THE MUNICIPALITY'S BUILDING SAFETY PLAN REVIEW AS A DEFERRED SUBMITTAL. AS AN ALTERNATIVE, THE STEEL FABRICATOR NEED NOT BE CERTIFIED IF SPECIAL INSPECTION BER Ibc 2009, CHAPTER 17 IS PERFORMED. SUBMIT DETAILS OF THE SPECIAL INSPECTION PROGRAM TO THE MUNICIPALITY AS A DEFERRED SUBMITTAL FOR APPROVAL.

WOOD:

| TYPICAL MINIMUM WOOD PROPERTIES | | | | | |
|---------------------------------|----------------------|----------------------|-----------------|----------------------|-------------------|
| MEMBER | F _b (PSI) | F _v (PSI) | E (PSI) | F _c (PSI) | SPECIES AND GRADE |
| STUDS: 2x AND 4x _____ | 850 (REP) _____ | 150 _____ | 1,400,000 _____ | 3,000 _____ | HEM FIR #2 |

FRAMING LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY. ALL PRESERVATIVE TREATED LUMBER SHALL BE PRESSURE TREATED USING ALKALINE COPPER QUARTERNARY (ACQ) WITH A RETENTION OF 0.25 POUNDS PER CUBIC FOOT.

GLULAM BEAMS:

| TYPICAL GLULAM BEAM MINIMUM PROPERTIES | | | |
|--|----------------|--------------------------------|---------------------|
| F _b | F _v | F _c (PERPENDICULAR) | E |
| 2,400 PSI _____ | 165 PSI _____ | 650 PSI _____ | 1,800,000 PSI _____ |

BEAMS CANTILEVERING OVER SUPPORTS SHALL HAVE THE SPECIFIED MINIMUM PROPERTIES TOP AND BOTTOM. SPECIES FOR OUTER LAMINATIONS SHALL BE DOUGLAS FIR AND SPECIES FOR CORE LAMINATIONS SHALL BE HEM FIR OR BETTER. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC STANDARDS. BEAMS TO BEAR AITC STAMP AND CERTIFICATE AND GRADE STAMP.

PLYWOOD:

| TYPICAL PLYWOOD PROPERTIES AND ATTACHMENT | | | | |
|---|-------------------|------------------|-----------------------------------|-----------------------|
| USE | NOMINAL THICKNESS | SPAN/INDEX RATIO | EDGE NAILING | INTERMEDIATE NAILING |
| FLOOR _____ | 3/4" T&G _____ | 48/24 _____ | 10d AT 6" O.C. _____ | 10d AT 12" O.C. _____ |
| ROOF _____ | 3/4" T&G _____ | 48/24 _____ | SEE LATERAL FORCE RESISTING PLANS | |

ALL PLYWOOD SHALL BE APA RATED SHEATHING WITH AN EXTERIOR OR EXPOSURE 1 DURABILITY CLASSIFICATION AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP ROOF WITH THE FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOIST. ALL NAILING SHALL BE COMMON NAILS.

FABRICATED WOOD "I" JOISTS:

JOIST SIZES ARE AS INDICATED ON PLANS AND SCHEDULES.

JOISTS SHALL HAVE CURRENT I.C.C. APPROVAL. DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE I.C.C. REPORT.

SHOP DRAWINGS:

THE CONTRACTOR SHALL REVIEW, STAMP WITH HIS APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS PRIOR TO SUBMITTING TO THE ENGINEER. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

SPECIAL INSPECTIONS:

SOILS:
 VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE: PERIODIC
 VERIFY EXCAVATIONS ARE EXTENDED TO PROPR DEPTH AND HAVE REACHED PROPER MATERIAL: PERIODIC
 PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIAL: PERIODIC
 VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT ADN COMPACTION OF COMPACTED FILL: CONTINUOUS.

CONCRETE:

INSPECTION OF REINFORCING STEEL AND PLACEMENTS: PERIODIC.
 INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE: CONTINUOUS.
 VERIFYING USE OF REQUIRED DESIGN MIX: PERIODIC.

AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF CONCRETE (SEE PROJECT SPECIFICATIONS FOR FREQUENCY OF TESTING AND STRENGTH REQUIREMENTS): CONTINUOUS.

INSPECTION OF CONCRETE PLACEMENT: CONTINUOUS.

INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES: PERIODIC.

INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED: PERIODIC.

STEEL:
 INSPECTION OF SINGLE PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16": PERIODIC

ALL WELDS ARE DESIGNED TO BE STRESSED AT LESS THAN 50% OF CAPACITY AND WELDING WILL BE PERFORMED BY AWS QUALIFIED WELDERS.

STRUCTURAL WOOD:
 NAILING, BOLTING, AND ANCHORING: PERIODIC

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

GENERAL:

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, SLABS, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

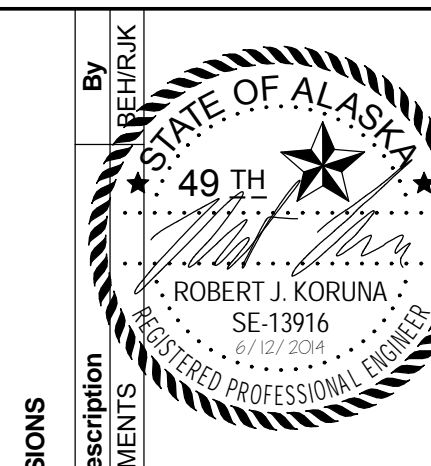
OPTIONS ARE FOR CONTRACTOR CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF AN OPTION IS CHOSEN AND CONTRACTOR SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

"TYPICAL DETAILS" ARE NOT CUT ON THE DRAWINGS, BUT APPLY UNLESS NOTED OTHERWISE.

WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES, AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALASKA.



REVISIONS

| No. | Date | Description |
|-----|-----------|----------------------|
| 1 | 5/17/2014 | IMDA REVIEW COMMENTS |



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Project:

Alaska Native
 Heritage Center

MABEL PIKE
 EDUCATIONAL
 CENTER
 EXPANSION

Anchorage, Alaska

Alaska Native Heritage Center
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 Anchorage, Alaska 99504

| | |
|--------------|-----------|
| Project Mgr. | JAC |
| Drawn | KR DJR |
| Checked | BEH |
| Date | 4/25/2014 |

Sheet Contents:

GENERAL
 STRUCTURAL
 NOTES

Sheet No.:

S0.1

USKH W.O. 1331601

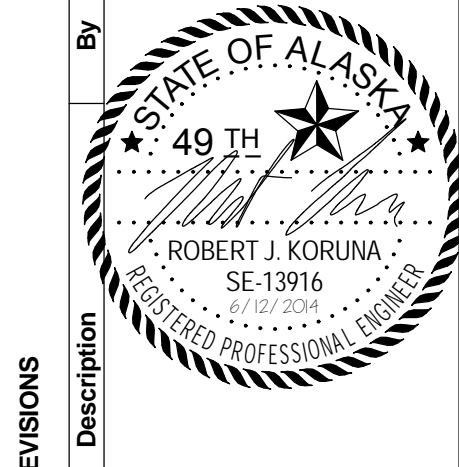
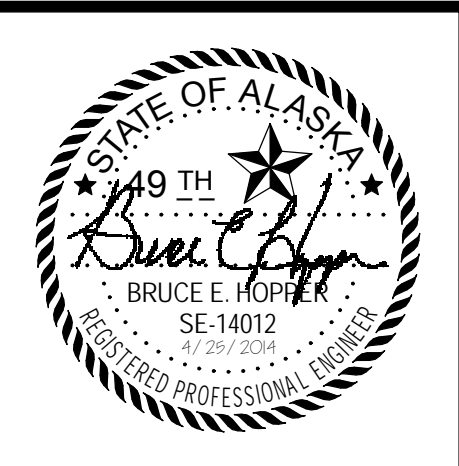
| STRUCTURAL ABBREVIATIONS | | | |
|-------------------------------------|-------------------------------------|--|--|
| ANCHOR BOLT _____ A.B. | LONG LEG HORIZONTAL _____ LLH | | |
| AND _____ & | LONG LEG VERTICAL _____ LLV | | |
| ANGLE _____ L | LONG SLOTTED HOLE _____ LSH | | |
| ARCHITECTURAL _____ ARCH | LONG SPAN _____ LH | | |
| AT _____ @ | | | |
| BASE PLATE _____ B.P. | MANUFACTURER _____ MFR | | |
| BEARING _____ BRG | MAXIMUM _____ MAX | | |
| BOTTOM _____ BOT | MECHANICAL _____ MECH | | |
| | MINIMUM _____ MIN | | |
| CANTILEVER _____ CANT | NEAR FACE _____ N.F. | | |
| CAST-IN-PLACE _____ C.I.P. | NEAR SIDE _____ N.S. | | |
| CENTER LINE _____ CL OR CL | NOT TO SCALE _____ N.T.S. | | |
| CHANNEL _____ C | NUMBER _____ N OR # | | |
| CLEAR _____ CLR | ON CENTER _____ O.C. | | |
| CONCRETE _____ CONC | OPENING _____ OPNG | | |
| CONCRETE MASONRY UNIT _____ C.M.U. | OPPOSITE _____ OPP | | |
| CONNECTION _____ CONN | OPPOSITE HAND _____ O.H. | | |
| CONSTRUCTION _____ CONST | | | |
| CONTINUOUS _____ CONT | PARALLAM STRAND LUMBER _____ PSL | | |
| CONSTRUCTION JOINT _____ C.J. | PLATE _____ PL | | |
| CROSS _____ X- | PLYWOOD _____ PLYWD | | |
| | POUNDS _____ LBS | | |
| DEAD LOAD _____ D.L. | POUNDS PER SQUARE FOOT _____ PSF | | |
| DIAMETER _____ DIA OR Ø | POUNDS PER SQUARE INCH _____ PSI | | |
| DOWN _____ DN | | | |
| | RADIUS _____ R | | |
| EACH _____ EA | REFERENCE _____ REF | | |
| EACH FACE _____ E.F. | REINFORCING _____ REINF | | |
| EACH WAY _____ E.W. | REQUIRED _____ REQ'D. | | |
| ELECTRICAL _____ ELEC | | | |
| ELEVATION _____ EL | SHORT SLOTTED HOLE _____ SSH | | |
| EMBEDDED _____ EMBED | SIMILAR _____ SIM | | |
| EQUAL _____ EQ | SLAB JOINT _____ SJ | | |
| EXISTING _____ EXIST | SPECIFICATIONS _____ SPECS | | |
| EXPANSION _____ EXP | SQUARE _____ SQ | | |
| EXTERIOR _____ EXT | STANDARD _____ STD | | |
| | STEEL _____ STL | | |
| FAR FACE _____ F.F. | TRANSVERSE _____ TRANS | | |
| FAR SIDE _____ F.S. | TOP _____ T/ | | |
| FIRE RESISTANT _____ F.R.T.P. | TOP AND BOTTOM _____ T&B | | |
| FLOOR _____ FLR | TOP OF CONCRETE _____ TOC | | |
| FOOT _____ FT | TOP OF FOOTING _____ TOF | | |
| | TOP OF STEEL _____ TOS | | |
| GAUGE _____ GA | TUBE STEEL _____ TS | | |
| GLUE LAM BEAM _____ GLB | TYPICAL _____ TYP | | |
| | UNLESS NOTED OTHERWISE _____ U.N.O. | | |
| HEADED ANCHOR STUD _____ HAS | VERIFY IN FIELD _____ V.I.F. | | |
| HIGH STRENGTH _____ H.S. | VERTICAL _____ VERT | | |
| HOLLOW STRUCTURAL SECTION _____ HSS | | | |
| HORIZONTAL _____ HORIZ | WELDED WIRE FABRIC _____ W.W.F. | | |
| | WIDE FLANGE _____ WF | | |
| INTERIOR _____ INT | WIDE FLANGE TEE _____ WT | | |
| | WITH _____ W/ | | |
| JOINT _____ JT | | | |
| KIP _____ K | | | |

SEE ALSO THE ABBREVIATIONS LISTED ON THE ARCHITECTURAL DRAWINGS

| NAILING SCHEDULE (2009 IBC) | |
|---|--|
| CONNECTION | LOCATION AND FASTENING ^a |
| 1. JOIST TO SILL OR GIRDER, TOENAIL | 3-8d |
| 2. BRIDGING TO JOIST, TOENAIL EACH END | 2-8d |
| 3. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL | 2-8d |
| 4. WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, FACE NAIL | 3-8d |
| 5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL | 2-16d |
| 6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL | 16d AT 16" O.C. |
| 7. SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS | 3-16d AT 16" |
| 8. TOP PLATE TO STUD, END NAIL | 2-16d |
| 9. STUD TO SOLE PLATE: | TOENAIL 4-8d |
| | END NAIL 2-16d |
| | 16d AT 8" O.C. |
| | 16d AT 16" O.C. |
| 10. DOUBLE STUDS, FACE NAIL | 16d AT 16" O.C. |
| 11. DOUBLE TOP PLATES, TYPICAL FACE NAIL | 8-16d |
| 12. DOUBLE TOP PLATES, LAP SPLICE | 3-8d |
| 13. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL | 8d AT 6" O.C. |
| 14. RIM JOIST TO TOP PLATE, TOENAIL | 2-16d |
| 15. TOPE PLATES, LAPS AND INTERSECTIONS, FACE NAIL | 16d AT 16" O.C. ALONG EACH EDGE |
| 16. CONTINUOUS HEADER, TWO PIECES | 3-8d |
| 17. CEILING JOISTS TO PLATE, TOENAIL | 4-8d |
| 18. CONTINUOUS HEADER TO STUD, TOENAIL | 3-16d |
| 19. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL | 3-16d |
| 20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL | 3-8d |
| 21. RAFTER TO PLATE, TOENAIL | 2-8d |
| 22. 1" X 8" SHEATHING OR LESS TO EACH BEARING WALL, FACE NAIL | 2-8d |
| 23. WIDER THAN 1" X 8" SHEATHING TO EACH BEARING, FACE NAIL | 3-8d |
| 24. BUILT-UP CORNER STUDS | 16d AT 24" O.C. |
| 25. BUILT-UP GIRDER AND BEAMS | 20d AT 32" O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE |
| 26. 2" PLANKS | 2-16d AT EACH BEARING |
| 27. COLLAR TIE TO RAFTER, FACE NAIL | 3-10d |
| 28. JACK RAFTER TO HIP: | TOENAIL 3-10d |
| | FACE NAIL 2-16d |
| | TOENAIL 2-16d |
| | FACE NAIL 2-16d |
| 29. JOIST TO BAND JOIST, FACE NAIL | 3-16d |
| 30. LEDGER STRIP, FACE NAIL | 3-16d |
| 31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD: SUBFLOOR, ROOF, AND WALL SHEATHING (TO FRAMING): | |
| 1/2" AND LESS | 6d ^c |
| | 2 3/8" X 0.113" NAIL ⁿ |
| | 1 3/4" X 6 GAGE ^o |
| 19/32" - 3/4" | 8d ^e OR 6d ^e |
| | 2 3/8" X 0.113" NAIL ^p |
| | 2" X 16 GAGE ^p |
| 7/8" - 1" | 8d ^c |
| 1 1/8" - 1 1/4" | 10d OR 8d ^e |
| SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING): | |
| 3/4" AND LESS | 6d ^e |
| 7/8" - 1" | 8d ^e |
| 1 1/8" - 1 1/4" | 10d OR 8d ^e |
| 32. PANEL SIDING (TO FRAMING): | |
| 1/2" OR LESS | 6d ^f |
| 5/8" | 8d ^f |
| 33. FIBERBOARD SHEATHING: | |
| 1/2" | NO. 11 GAGE ROOFING NAIL ^h |
| | 8d |
| 25/32" | NO. 11 GAGE ROOFING NAIL ^h |
| | 8d |
| 34. INTERIOR PANELING: | |
| 1/4" | 4d ^j |
| 3/8" | 6d ^k |

NOTES:

- COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
- NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305 OF THE IBC. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
- COMMON OR DEFORMED SHANK.
- COMMON.
- DEFORMED SHANK.
- CORROSION-RESISTANT SIDING OR CASING NAIL.
- FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS.
- CORROSION-RESISTANT ROOFING NAILS WITH 7/16-INCH CROWN AND 1 1/8-INCH LENGTH FOR 1/2-INCH SHEATHING AND 1 3/4-INCH LENGTH FOR 25/32-INCH SHEATHING.
- NOT USED.
- CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
- FOR ROOF SHEATHING APPLICATIONS, 8d NAILS ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
- NOT USED.
- FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
- FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
- FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.



| REVISIONS | Description | Date |
|-----------|-------------|------|
| By | | |
| No. | | |



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Project:
Alaska Native Heritage Center

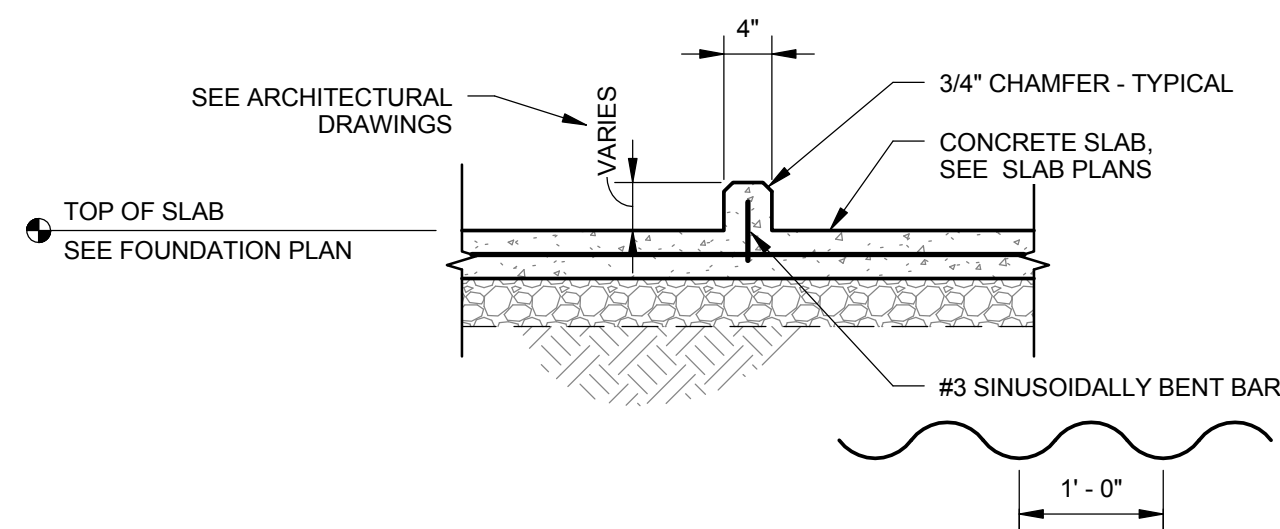
MABEL PIKE EDUCATIONAL CENTER EXPANSION
Anchorage, Alaska

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8800 Heritage Center Drive
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| | |
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| Project Mgr. | JAC |
| Drawn | KR DJR |
| Checked | BEH |
| Date | 4/25/2014 |

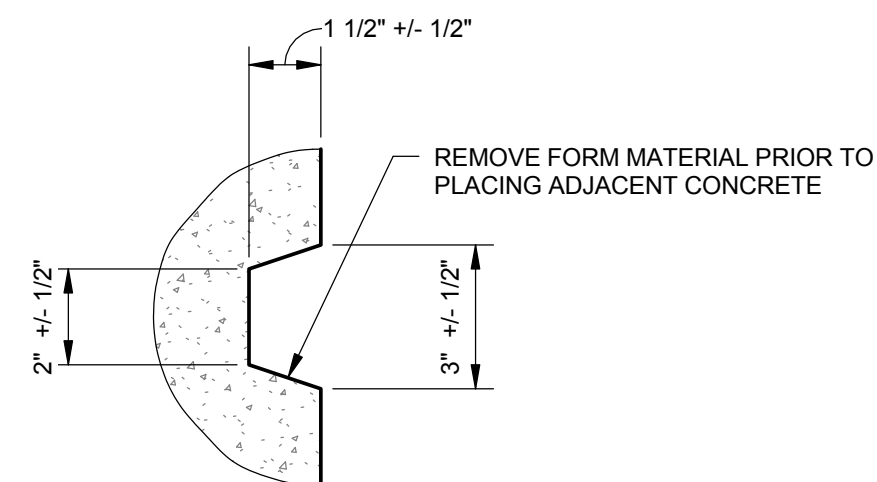
Sheet Contents:
ABBREVIATIONS AND NAILING SCHEDULE

Sheet No.:
S0.2



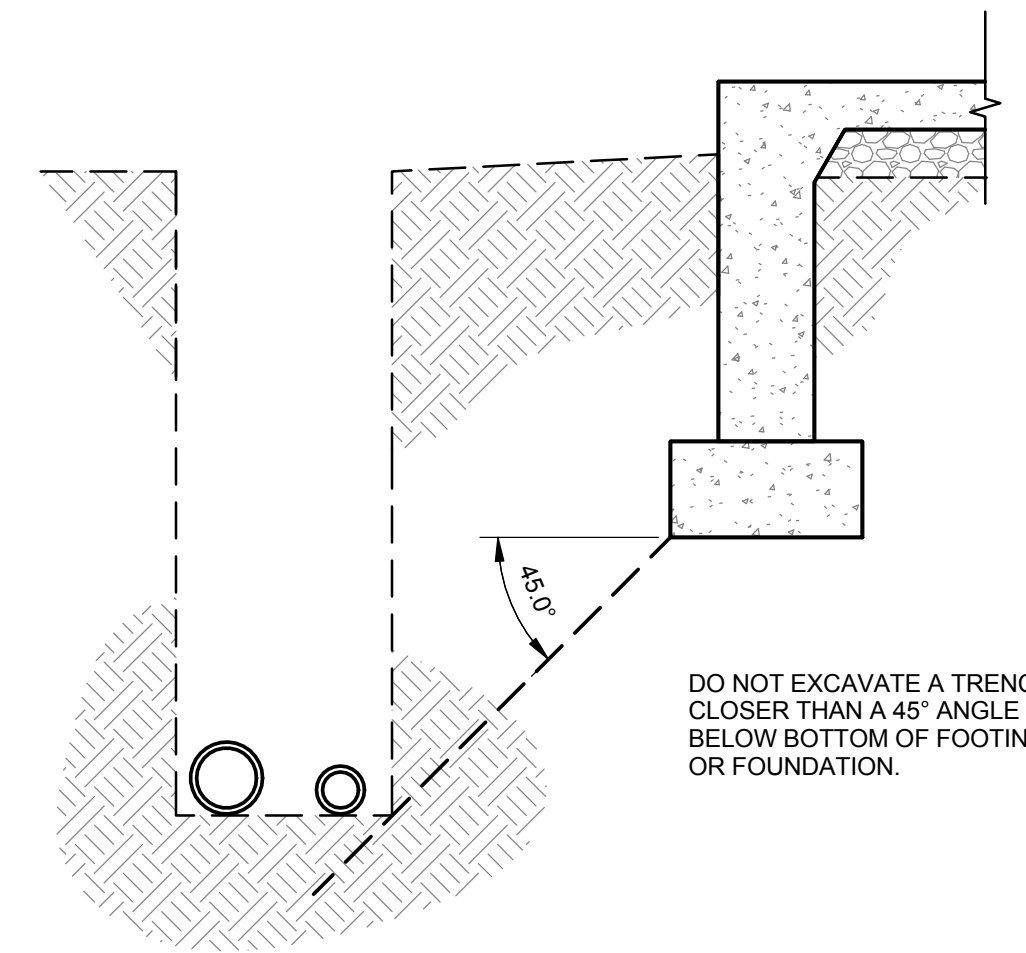
7 TYPICAL CONCRETE CURB

S0.3 3/4" = 1'-0"



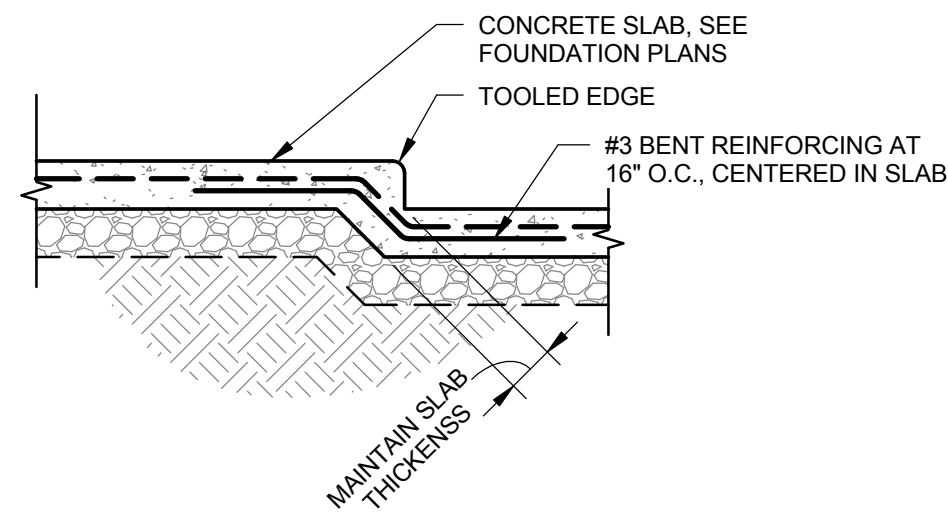
4 TYPICAL KEY IN CONCRETE OTHER THAN SLABS

S0.3 3" = 1'-0"



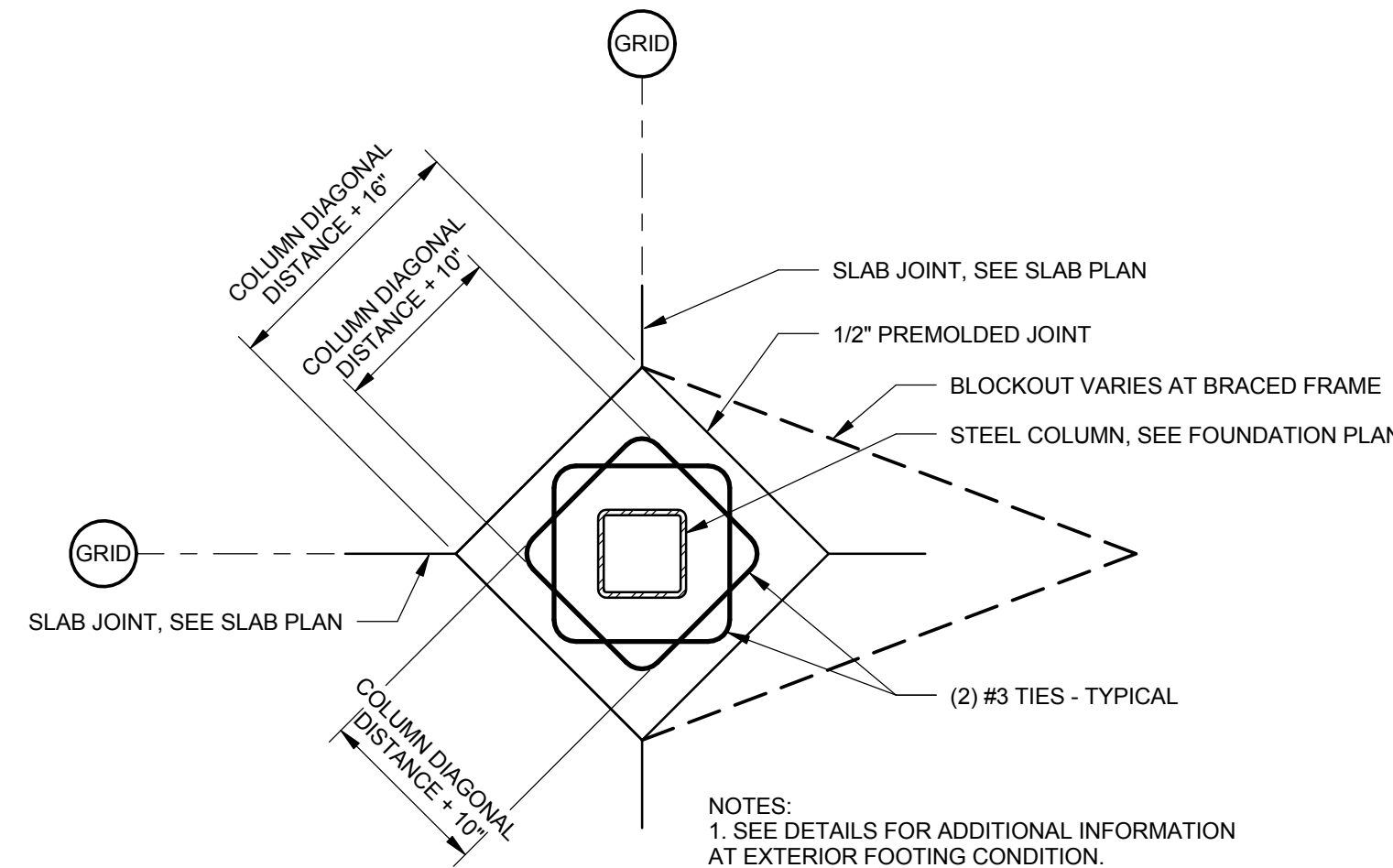
1 TYPICAL TRENCH PARALLEL TO FOUNDATION

S0.3 3/4" = 1'-0"



8 TYPICAL DEPRESSION IN CONCRETE SLAB

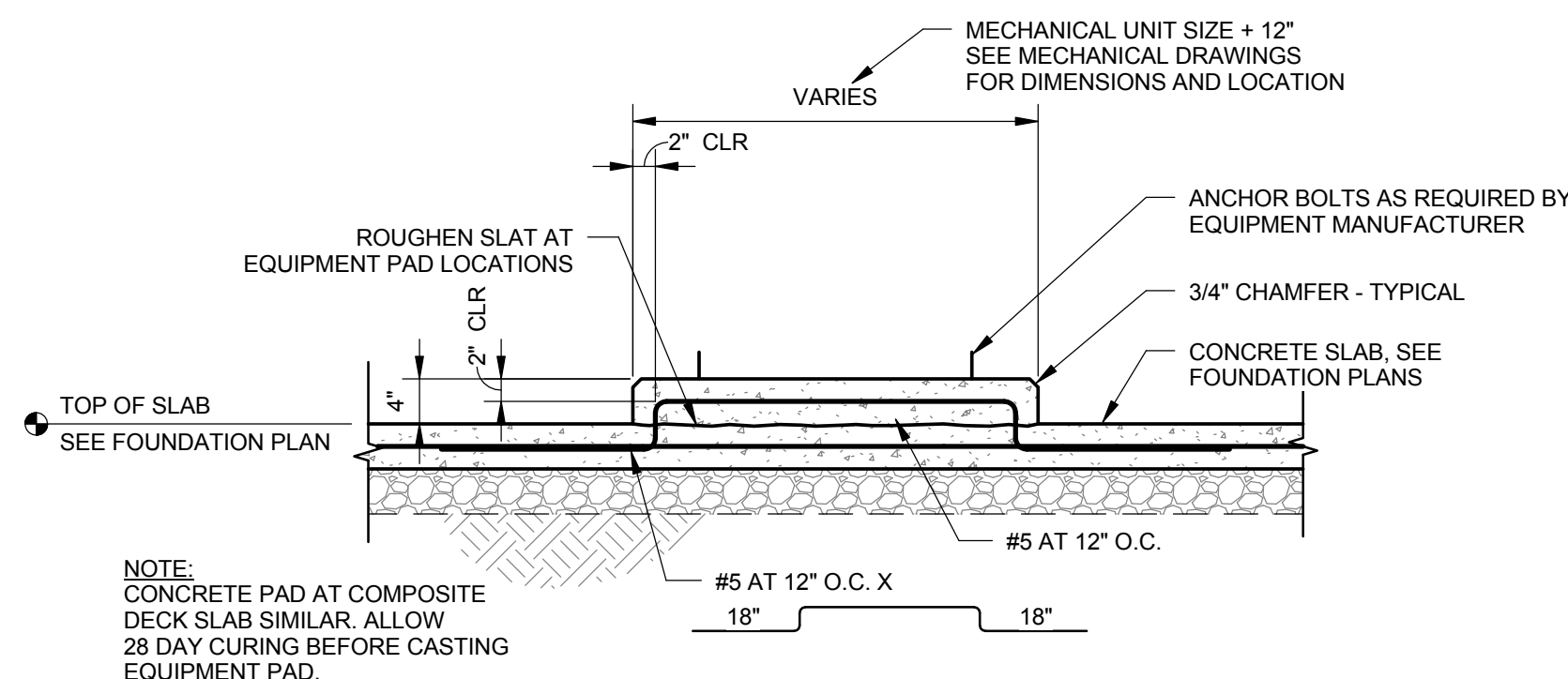
S0.3 3/4" = 1'-0"



NOTES:
1. SEE DETAILS FOR ADDITIONAL INFORMATION AT EXTERIOR FOOTING CONDITION.
2. AT BRACED FRAMES, DIAGONAL DISTANCE WILL BE TAKEN FROM EDGE OF BASE PLATE.
3. ISOLATION JOINT OPTIONAL IF SLABS ARE POURED AFTER STEEL FRAME AND SUSPENDED SLABS ARE ERECTED.

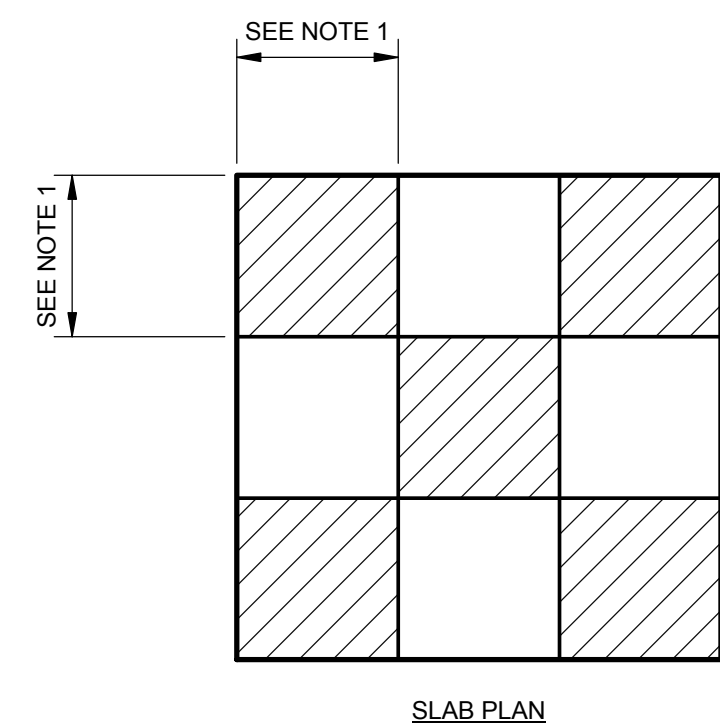
5 TYPICAL COLUMN ISOLATION JOINT

S0.3 3/4" = 1'-0"



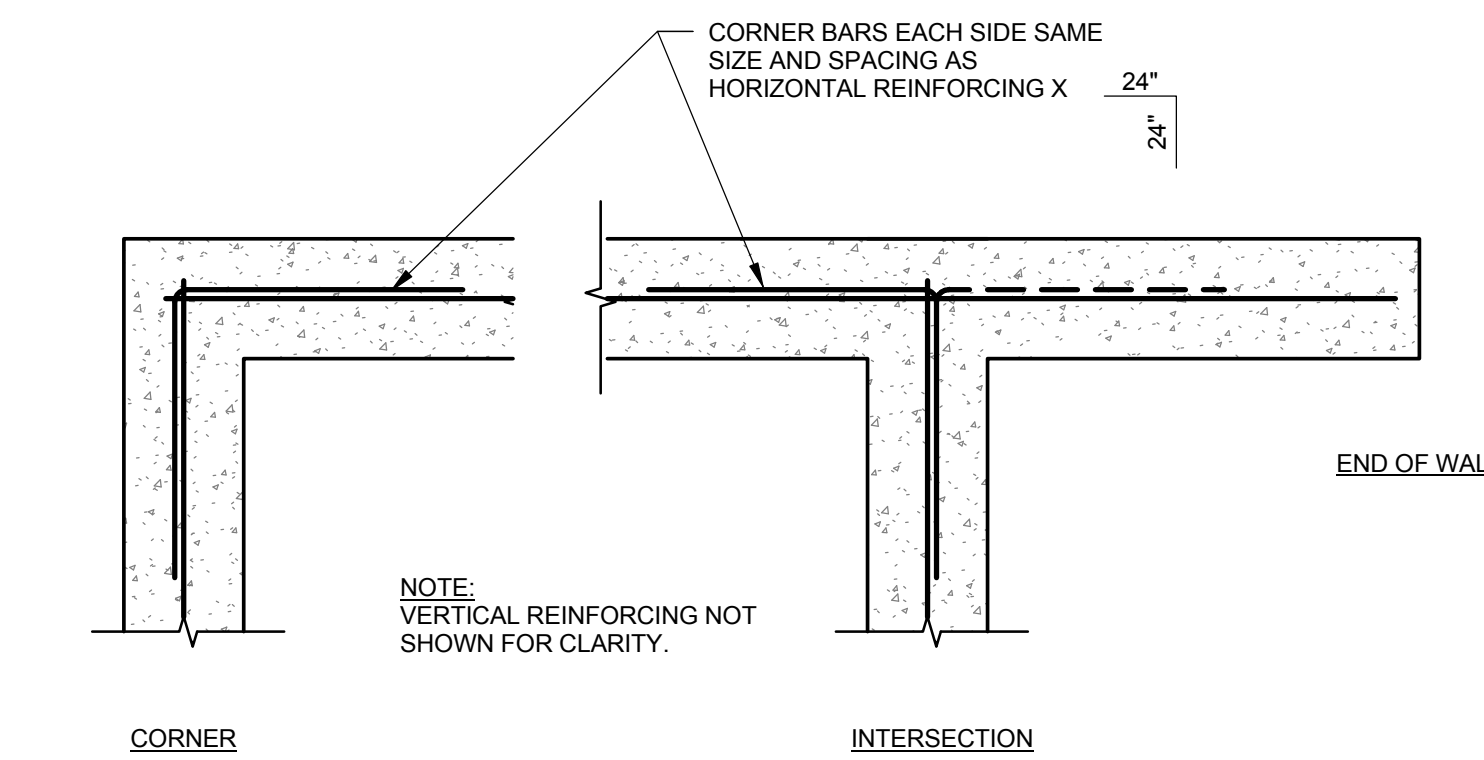
10 TYPICAL HOUSEKEEPING PAD

S0.3 3/4" = 1'-0"



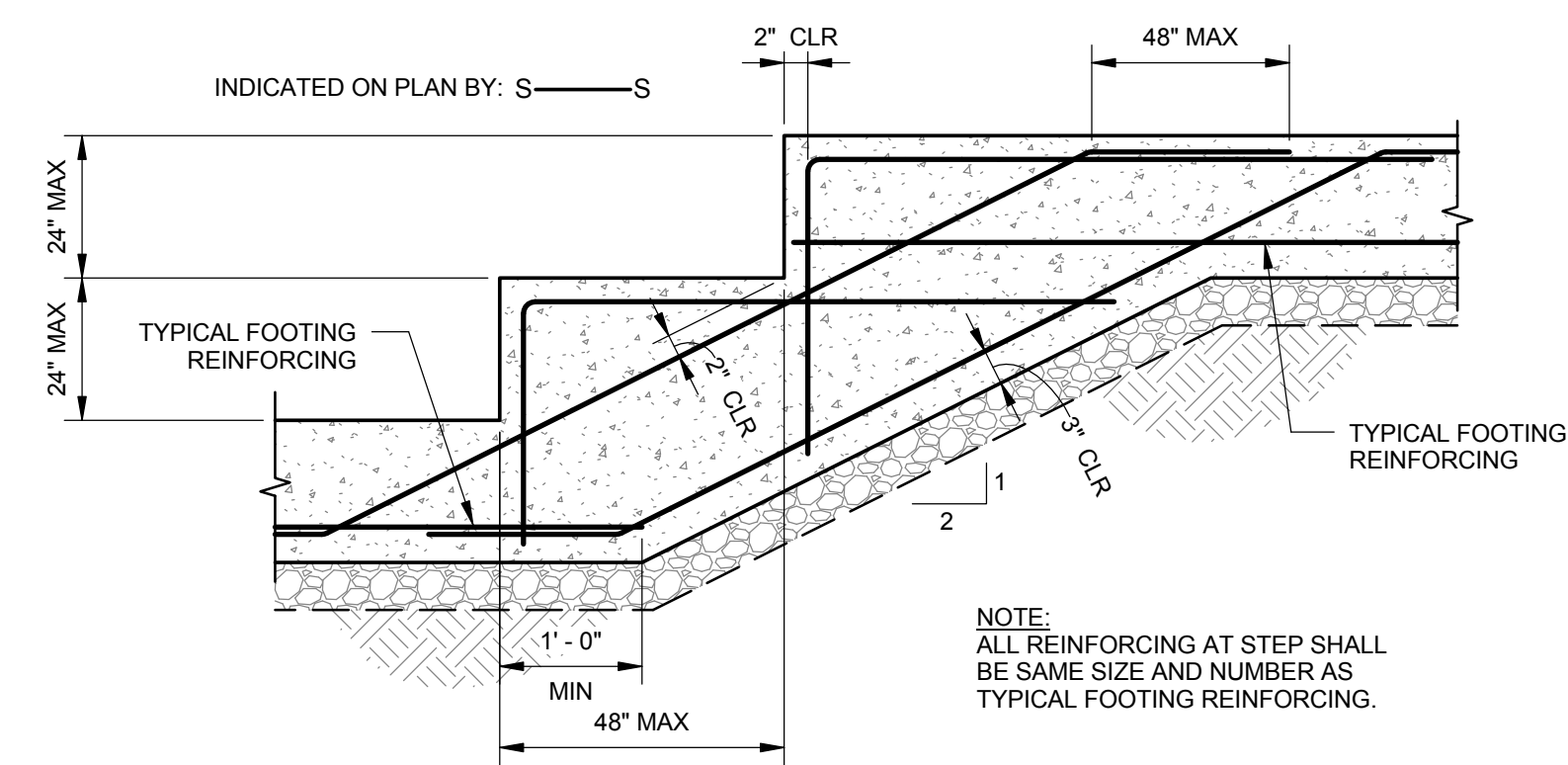
6 TYPICAL CONCRETE SLAB CONSTRUCTION

S0.3 3/4" = 1'-0"



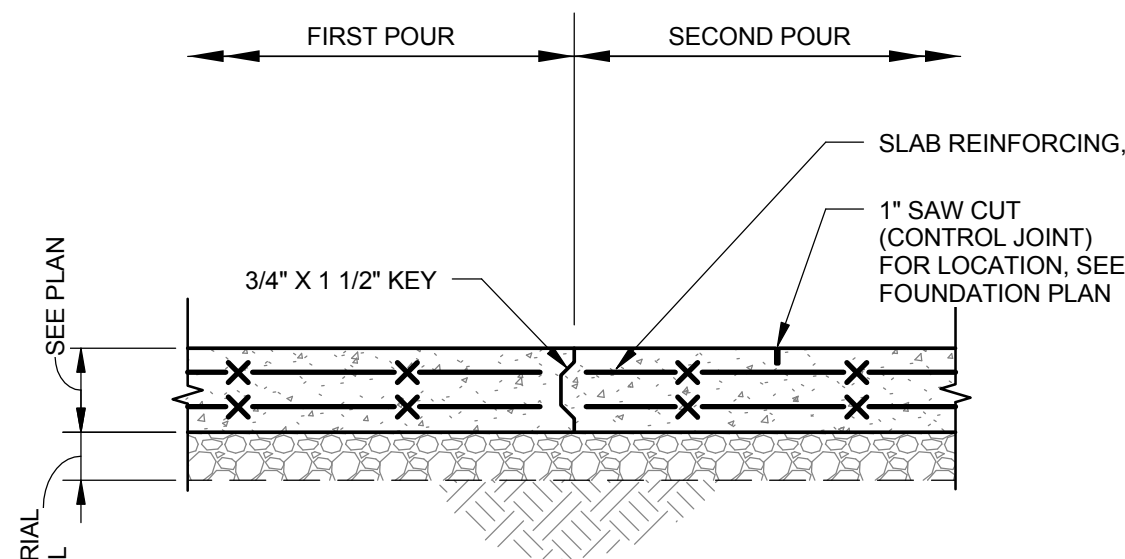
2 TYPICAL CORNER REINFORCING IN CONCRETE

S0.3 3/4" = 1'-0"

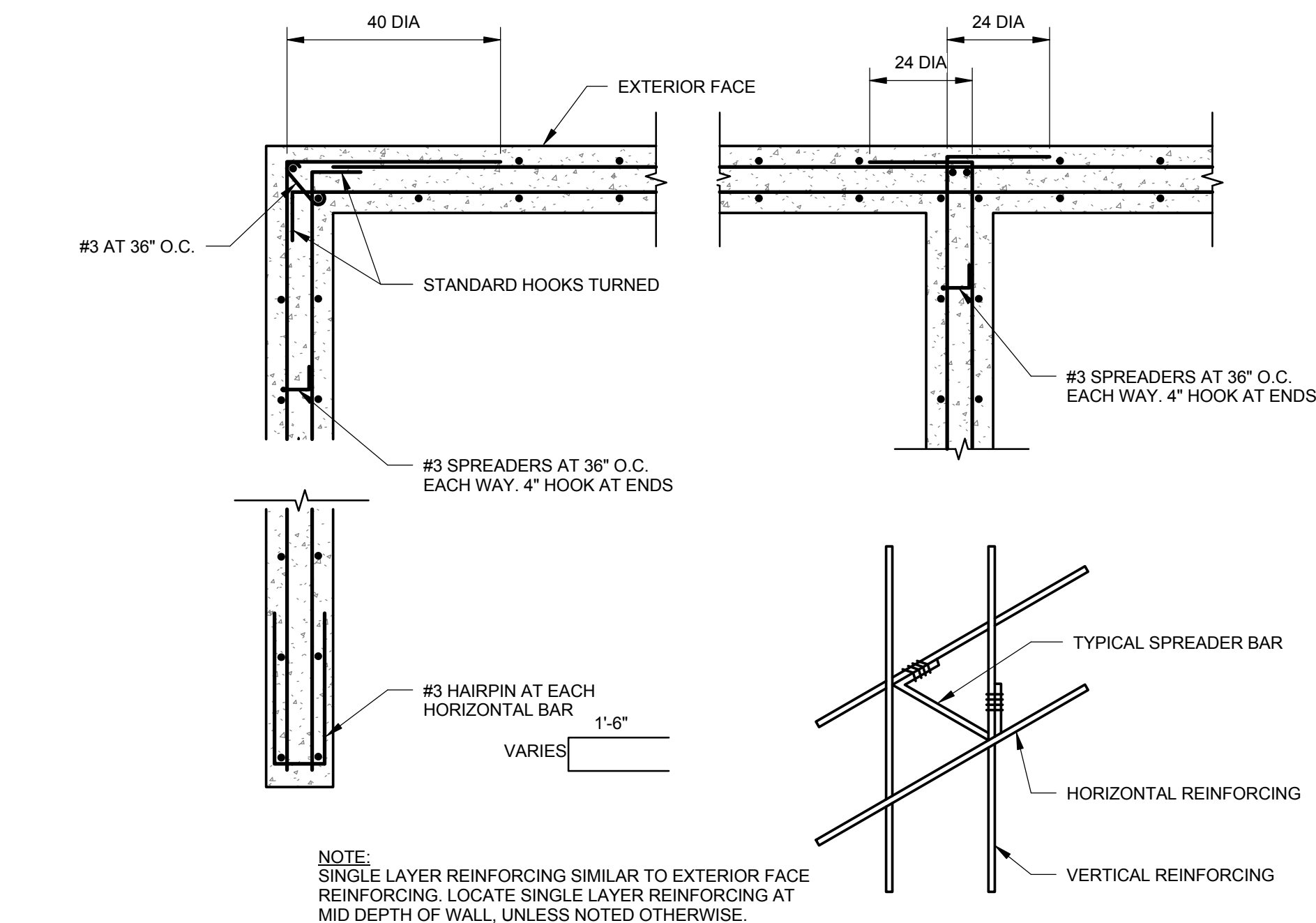


11 TYPICAL STEP IN CONCRETE FOOTING

S0.3 3/4" = 1'-0"

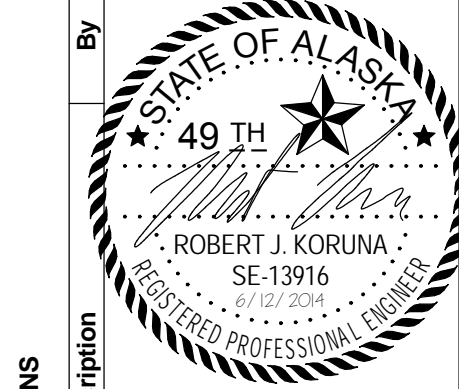


NOTES:
1. POUR CONCRETE SLABS IN RECTANGLES AS SHOWN. MAXIMUM SIDE OF RECTANGLES SHALL BE 50'-0".
2. FILL JOINTS WITH 2 PART URETHANE JOINT SEALANT.



3 TYPICAL CORNER REINFORCING IN CONCRETE - 2 LAYERS

S0.3 3/4" = 1'-0"



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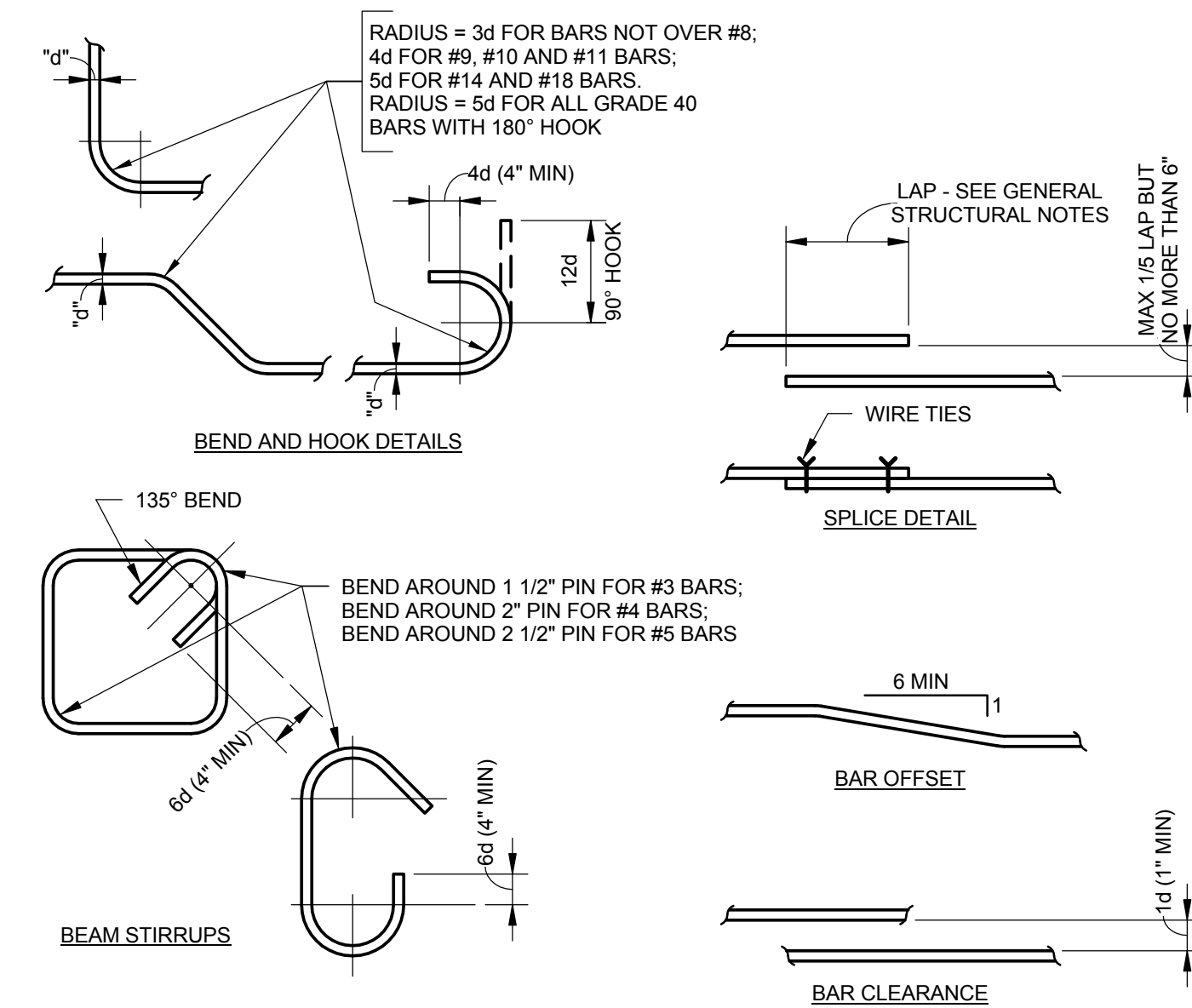
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Sheet Contents:
TYPICAL DETAILS

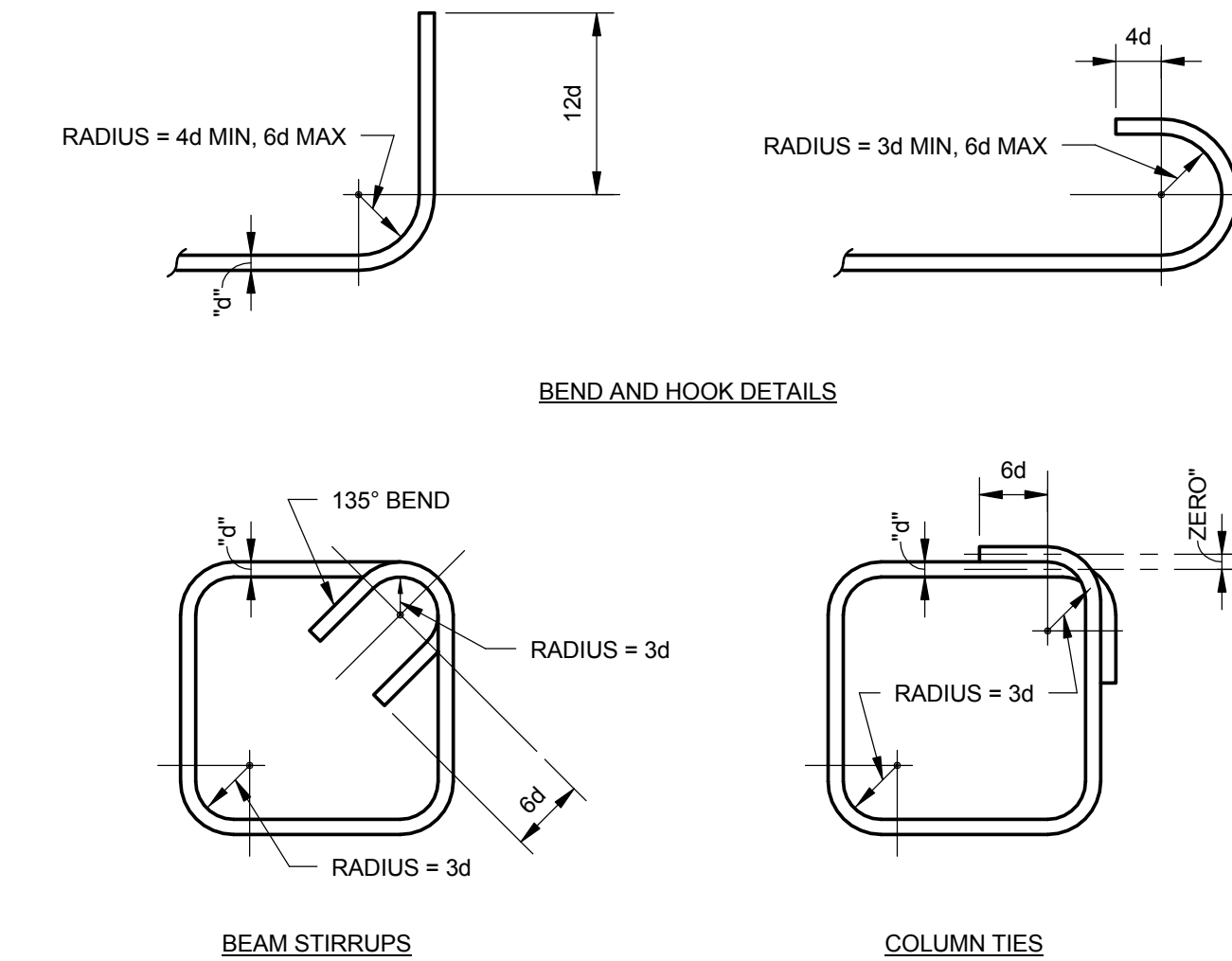
Sheet No.:

S0.3

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1 TYPICAL REINFORCING BAR DETAILS
 S0.4 3/4" = 1'-0"

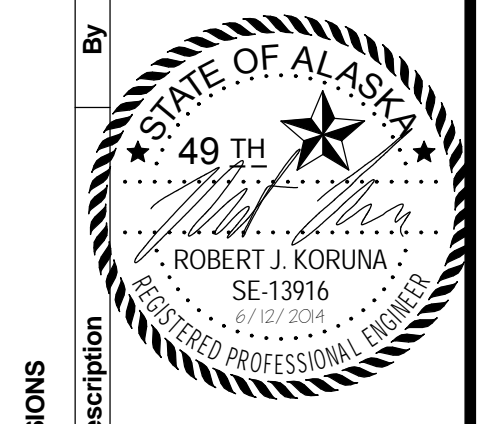


2 TYPICAL REINFORCING BAR DETAILS 2
 S0.4 1" = 1'-0"

| MINIMUM SPLICE MASONRY/CONCRETE | |
|---------------------------------|---------------|
| BAR SIZE | SPLICE LENGTH |
| #3 | 18" |
| #4 | 24" |
| #5 | 30" |
| #6 | 36" |
| #7 | 42" |
| #8 | 48" |
| #9 | 54" |

NOTES:
 1. UNLESS NOTED OTHERWISE, THESE SPLICE LENGTHS APPLY TO BOTH REINFORCED CONCRETE AND REINFORCED MASONRY CONSTRUCTION.

3 TYPICAL REINFORCING BAR SPLICE LENGTHS
 S0.4 1" = 1'-0"



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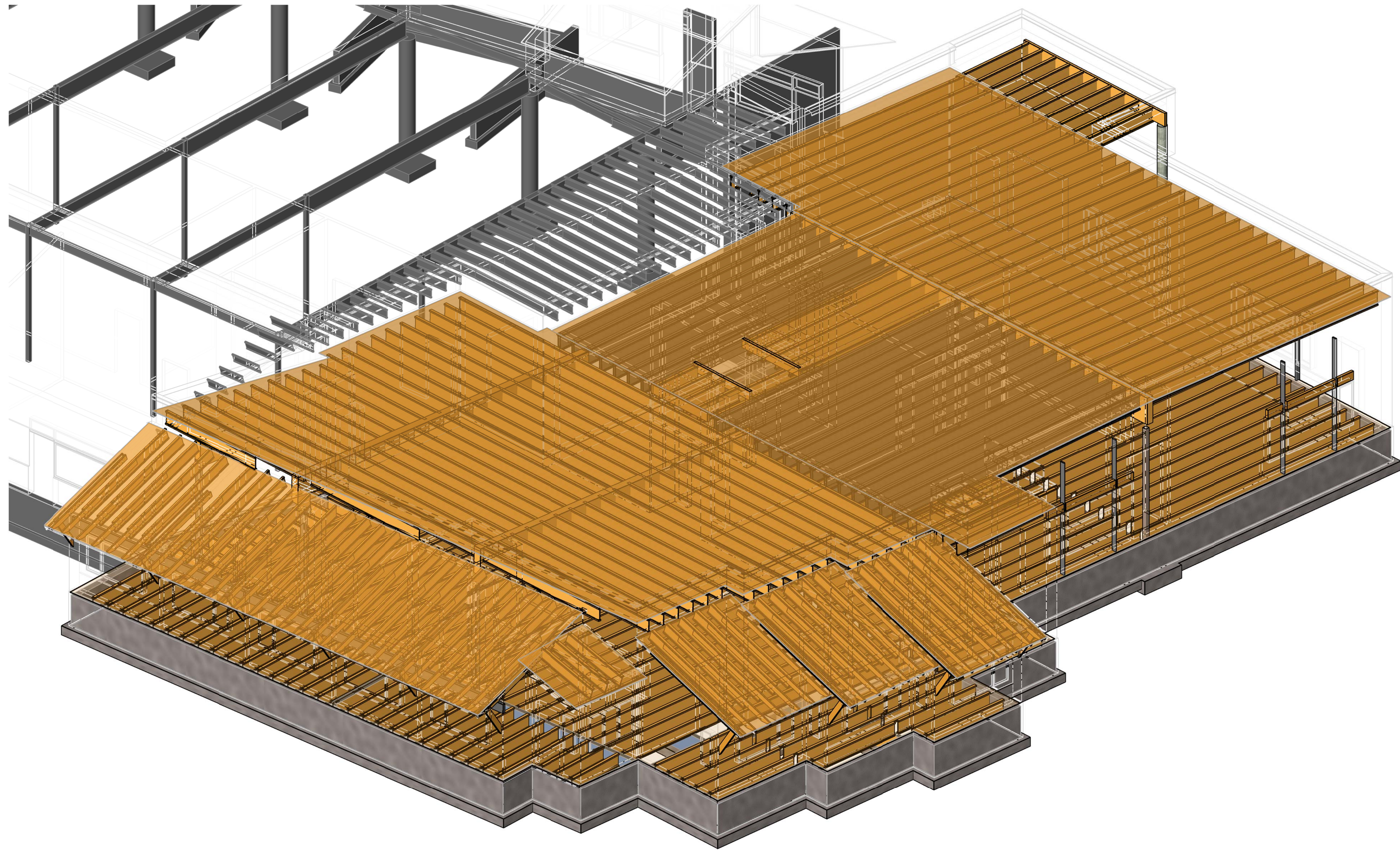
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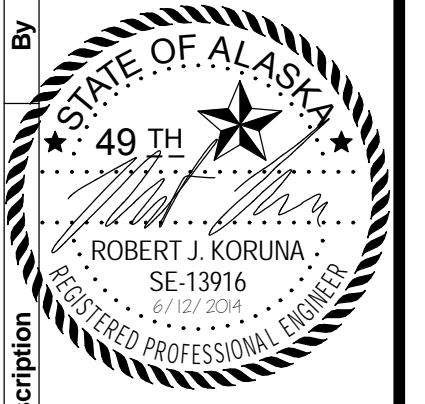
Sheet Contents:
TYPICAL DETAILS

Sheet No.:
S0.4

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1 3D VIEW - VIEW FROM SOUTHWEST
S0.5



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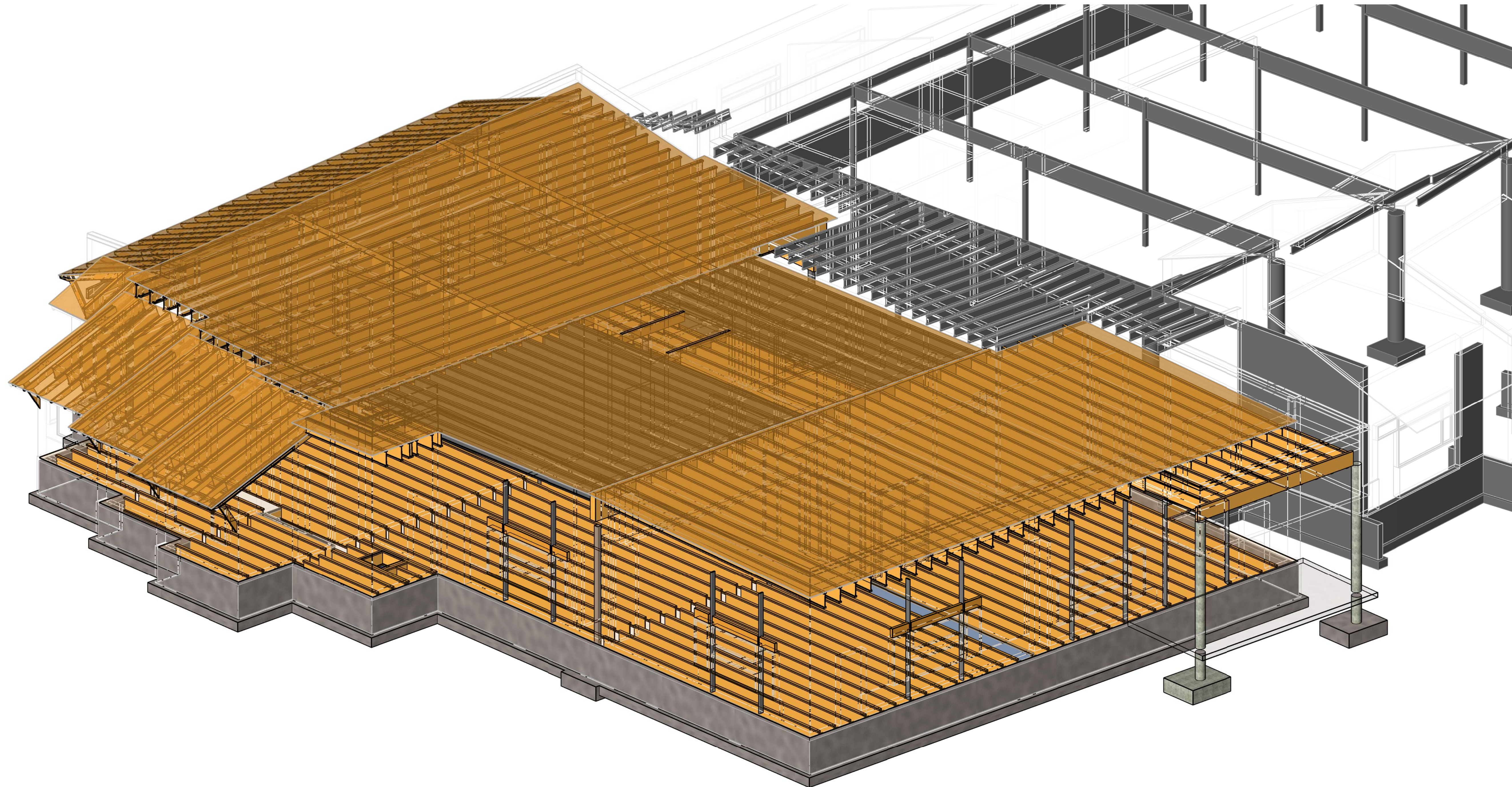
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**3D STRUCTURAL
VIEW**

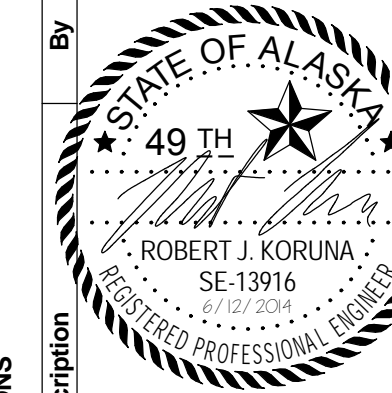
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1 3D VIEW - VIEW FROM NORTHEAST
S0.6



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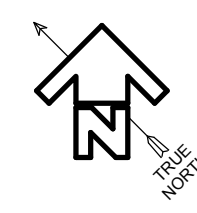
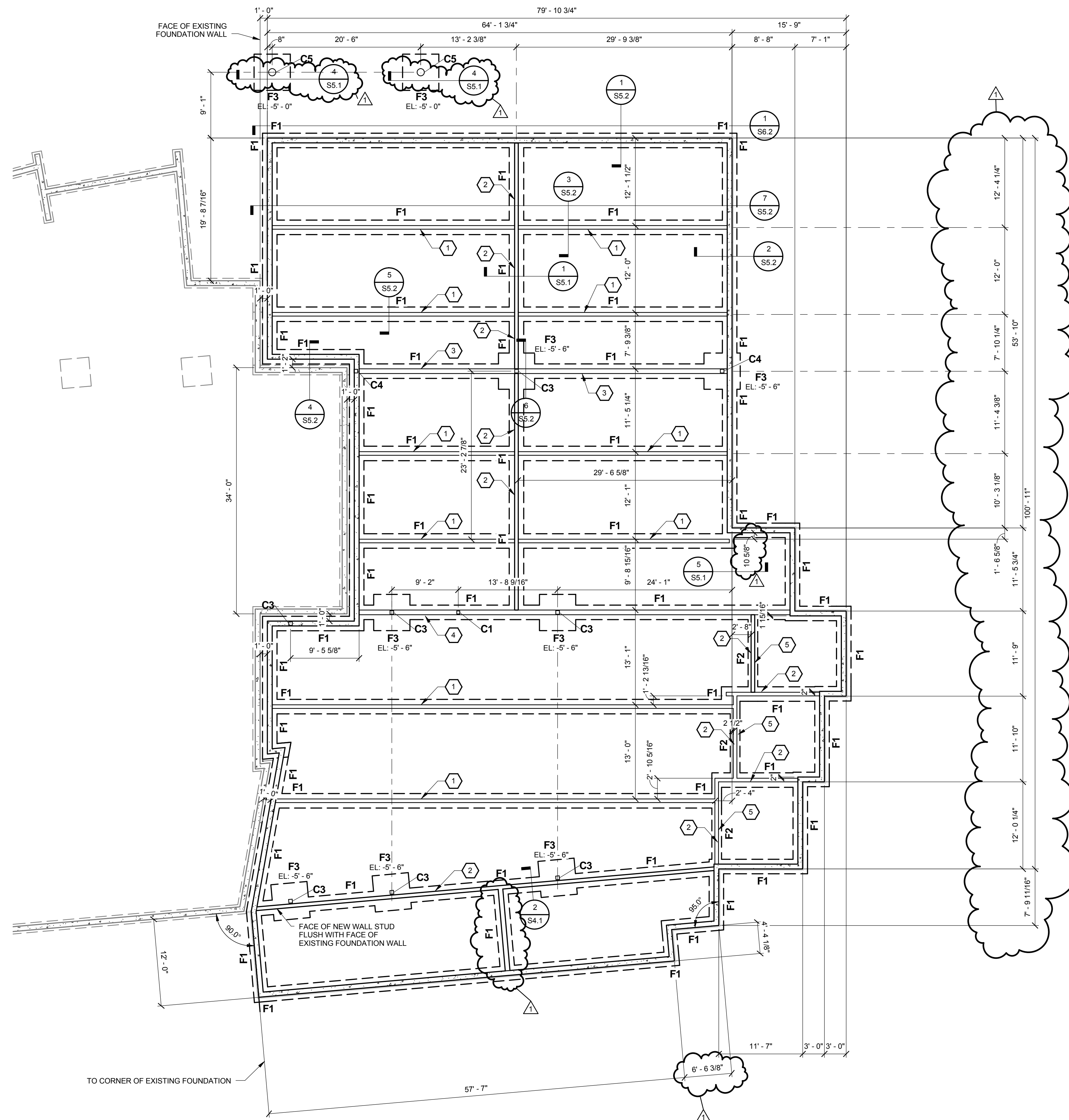
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3D STRUCTURAL
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Sheet No.:

S0.6

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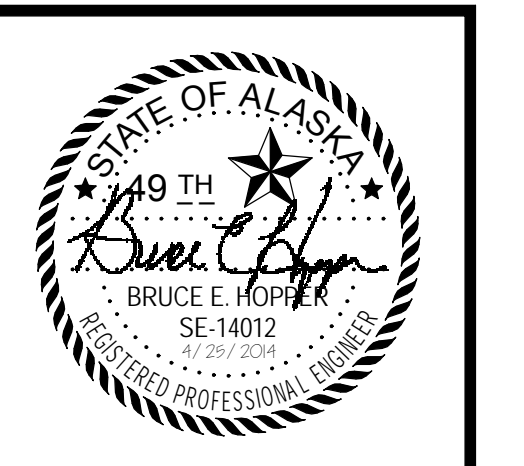


1 FOUNDATION PLAN
S1.1 1/8" = 1'-0"

| FOOTING (F) SCHEDULE | | |
|----------------------|------------------------|-------------|
| MARK | FOOTING SIZE | REINFORCING |
| F1 | 24" X 12" X CONTINUOUS | SEE DETAILS |
| F2 | 16" X 10" X CONTINUOUS | SEE DETAILS |
| F3 | 5'-0" X 5'-0" X 18" | SEE DETAILS |

| COLUMN (C) SCHEDULE | | |
|---------------------|------------------|-------------|
| MARK | COLUMN SIZE/TYPE | BASE PLATE |
| C1 | HSS5X5X3/16 | SEE DETAILS |
| C2 | HSS6X2X3/16 | SEE DETAILS |
| C3 | HSS 6 X 6 X 1/4 | SEE DETAILS |
| C4 | HSS 6 X 6 X 3/8 | SEE DETAILS |
| C5 | 12"Ø CONCRETE | SEE DETAILS |

- FOUNDATION PLAN KEY NOTES**
- 1 2X6 STUDS AT 24", 1/2" CDX PLYWOOD ONE SIDE IN AN ALTERNATING PATTERN OF 8 FEET WITH PLYWOOD, 8 FEET WITHOUT PLYWOOD. NAIL PLYWOOD TO STUDS AND WALL PLATES USING 8d AT 4". NAIL IN FIELD WITH 8d AT 12"
 - 2 2X6 STUDS AT 24", 1/2" CDX PLYWOOD ONE SIDE, 100% COVERAGE. LEAVE A 4-FOOT WIDE ROUGH OPENING THROUGH THE WALL EVERY 48 FEET. FRAME OPENING WITH A 4X12 HEADER ON A SINGLE CRIPPLE STUD EACH END. NAIL PLYWOOD TO STUDS AND WALL PLATES USING 8d AT 4". NAIL IN FIELD WITH 8d AT 12"
 - 3 2X8 STUDS AT 24", 1/2" CDX PLYWOOD ONE SIDE IN AN ALTERNATING PATTERN OF 8 FEET WITH PLYWOOD, 8 FEET WITHOUT PLYWOOD. NAIL PLYWOOD TO STUDS AND WALL PLATES USING 8d AT 4". NAIL IN FIELD WITH 8d AT 12"
 - 4 2X8 STUDS AT 24", 1/2" CDX PLYWOOD ONE SIDE, 100% COVERAGE. LEAVE A 4-FOOT WIDE ROUGH OPENING THROUGH THE WALL EVERY 48 FEET. FRAME OPENING WITH A 4X12 HEADER ON A SINGLE CRIPPLE STUD EACH END. NAIL PLYWOOD TO STUDS AND WALL PLATES USING 8d AT 4". NAIL IN FIELD WITH 8d AT 12"
 - 5 FRAME A 4-FOOT WIDE ROUGH OPENING IN FOUNDATION WALL.



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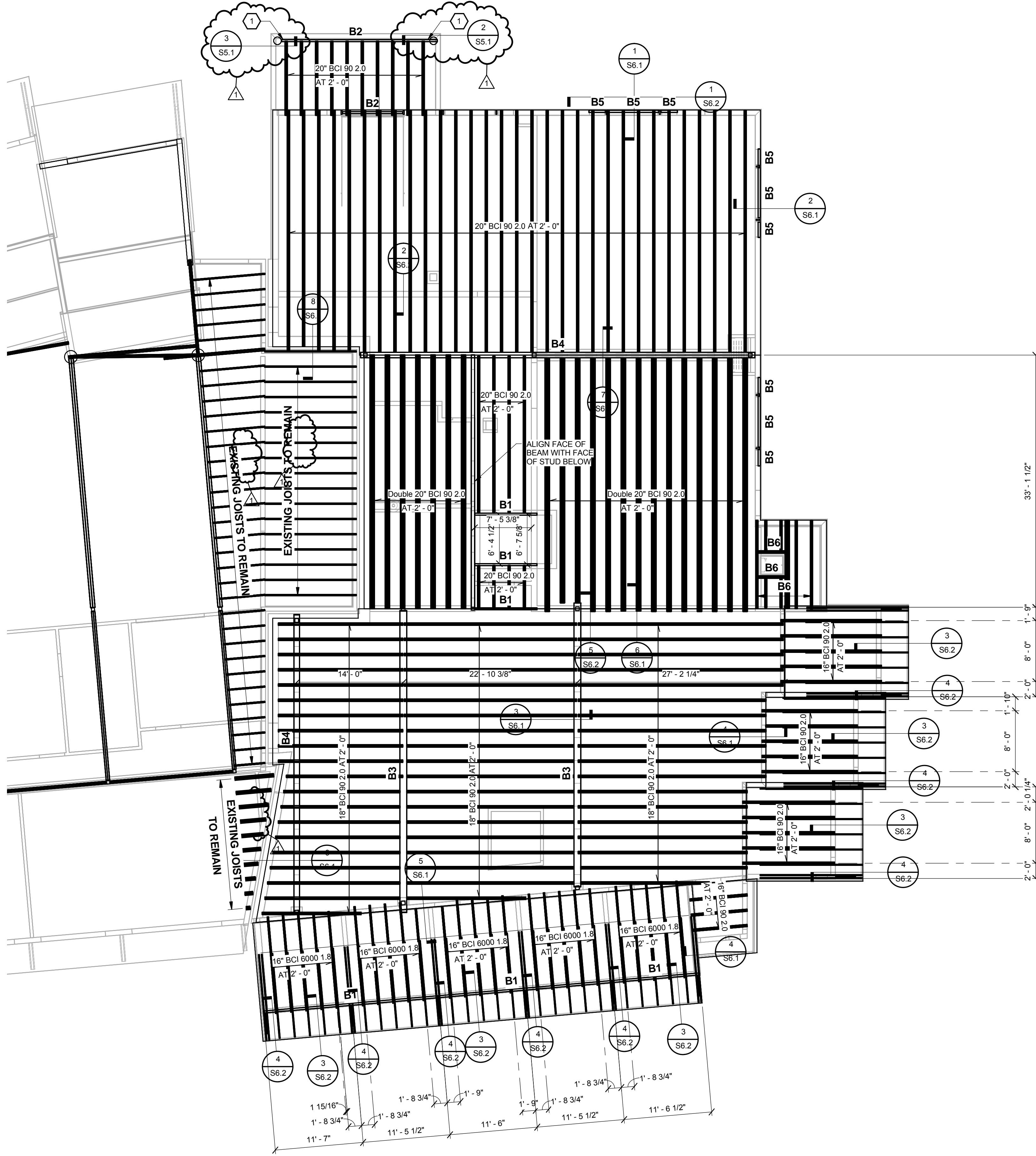
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FOUNDATION PLAN

Sheet No.:
S1.1



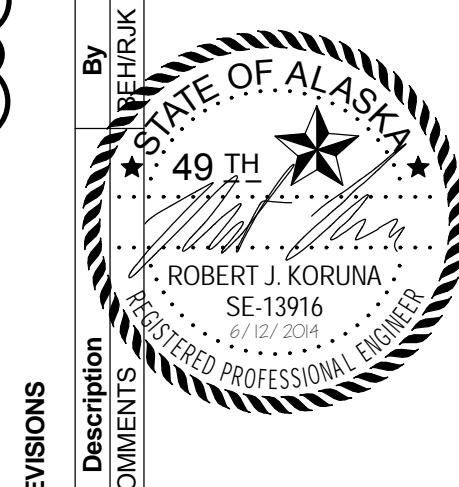
| BEAM (B) SCHEDULE | |
|-------------------|----------------------------|
| MARK | BEAM SIZE AND TYPE |
| B1 | 3 1/8" x 12" GLULAM |
| B2 | 3 1/8" x 18" GLULAM |
| B3 | 10 3/4" x 36" GLULAM |
| B4 | 8 3/4" x 36" F24-V8 GLULAM |
| B5 | 4 X 12 LUMBER |
| B6 | 20" BCI 90 2.0 |

ROOF FRAMING PLAN KEY NOTES

1 PROVIDE SIMPSON HGLBA, HDG BEAM SEAT - SIZED FOR BEAM, EMBED IN CONCRETE COLUMN.

JOIST HANGERS WHERE REQUIRED PER DETAILS
FILL ALL HOLES, INCLUDING THOSE MARKED "OPTIONAL"

| | | | |
|------------|-----|------|-------------|
| 16" | BCI | 6000 | MIT 3516 |
| 16" | BCI | 90 | MIT 416 |
| 18" | BCI | 90 | WPU 3.56/18 |
| 20" | BCI | 90 | WPU 3.56/20 |
| DOUBLE 20" | BCI | 90 | B7.12/20 |



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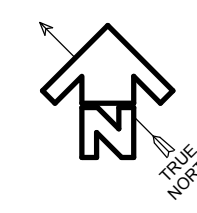
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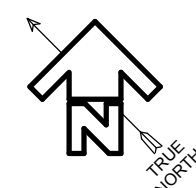
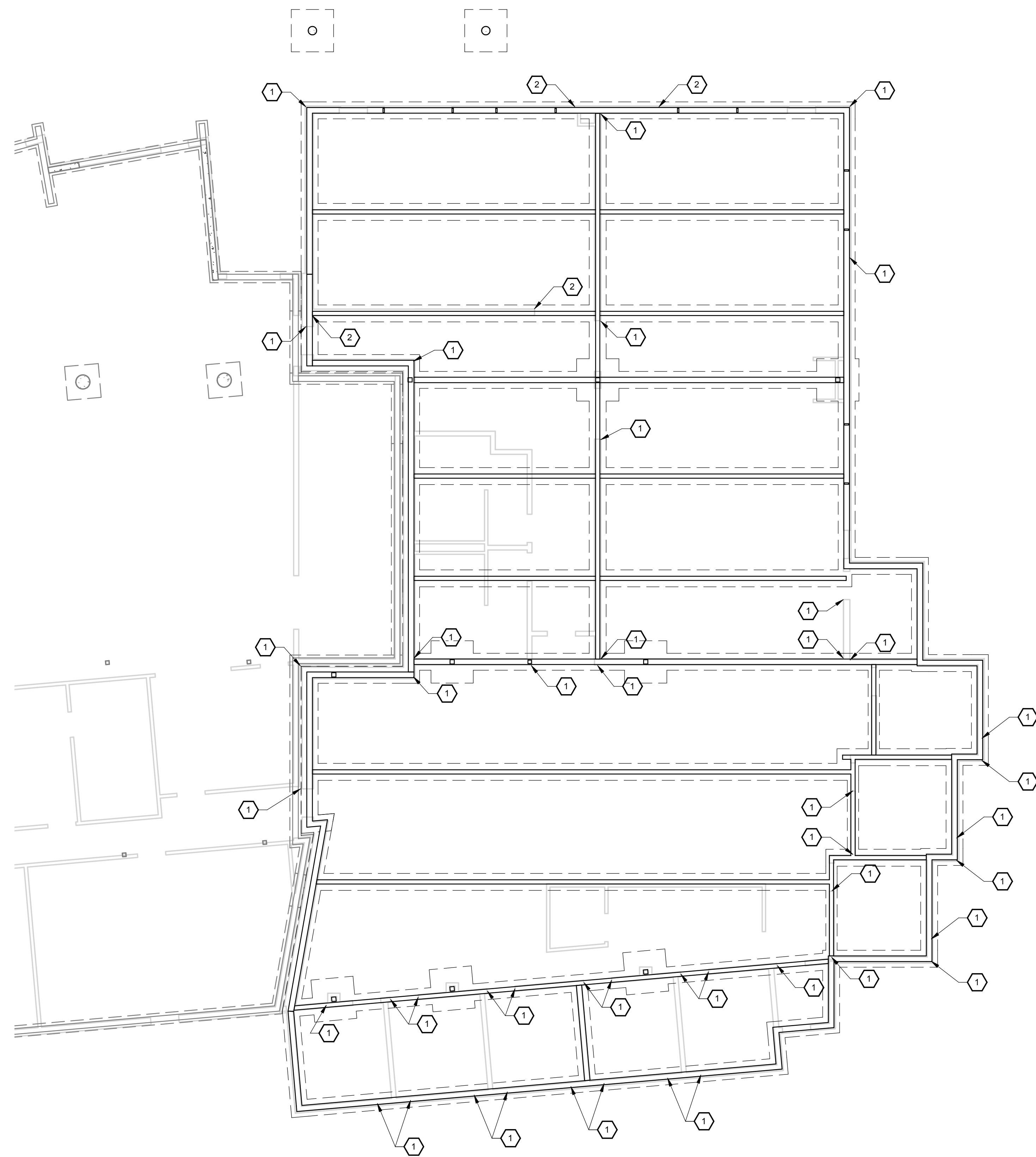
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Sheet Contents:
ROOF FRAMING PLAN

Sheet No.:
S3.1

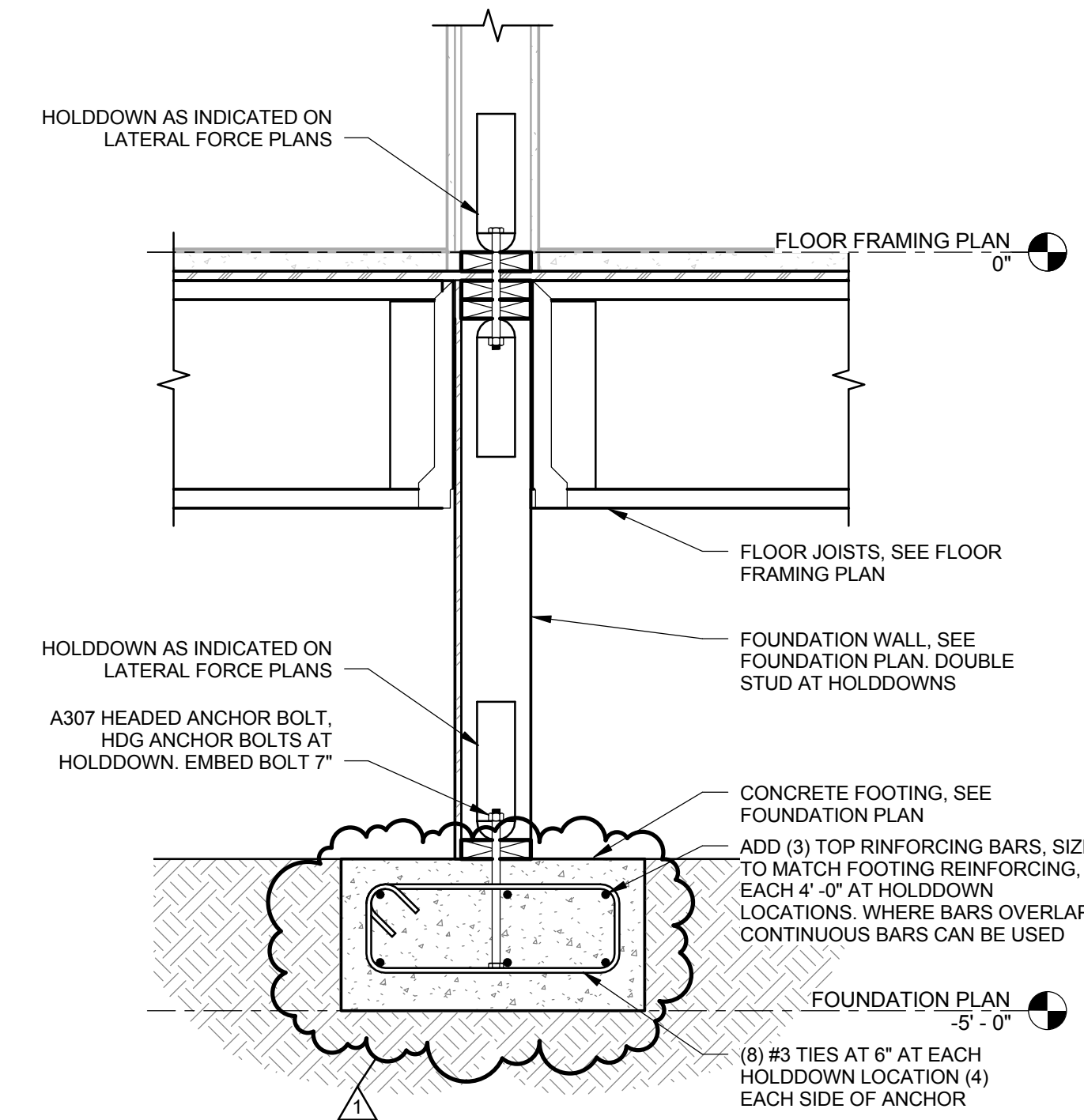


1 ROOF FRAMING PLAN
S3.1 1/8" = 1'-0"

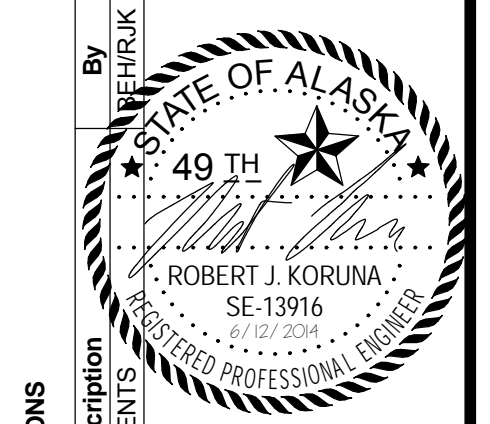


1 LATERAL FORCE RESISTING PLAN AT FOUNDATION
S4.1 1/8" = 1'-0"

| LATERAL PLAN KEY NOTES | |
|------------------------|---|
| 1 | SIMPSON HDU4 HOLDDOWN ATTACHED TO DOUBLE STUDS - MINIMUM. |
| 2 | SIMPSON HDU8 HOLDDOWN ATTACHED TO DOUBLD STUDS - MINIMUM. |



2 FOUNDATION - TYPICAL HOLDDOWN INSTALLATION
S4.1 1" = 1'-0"



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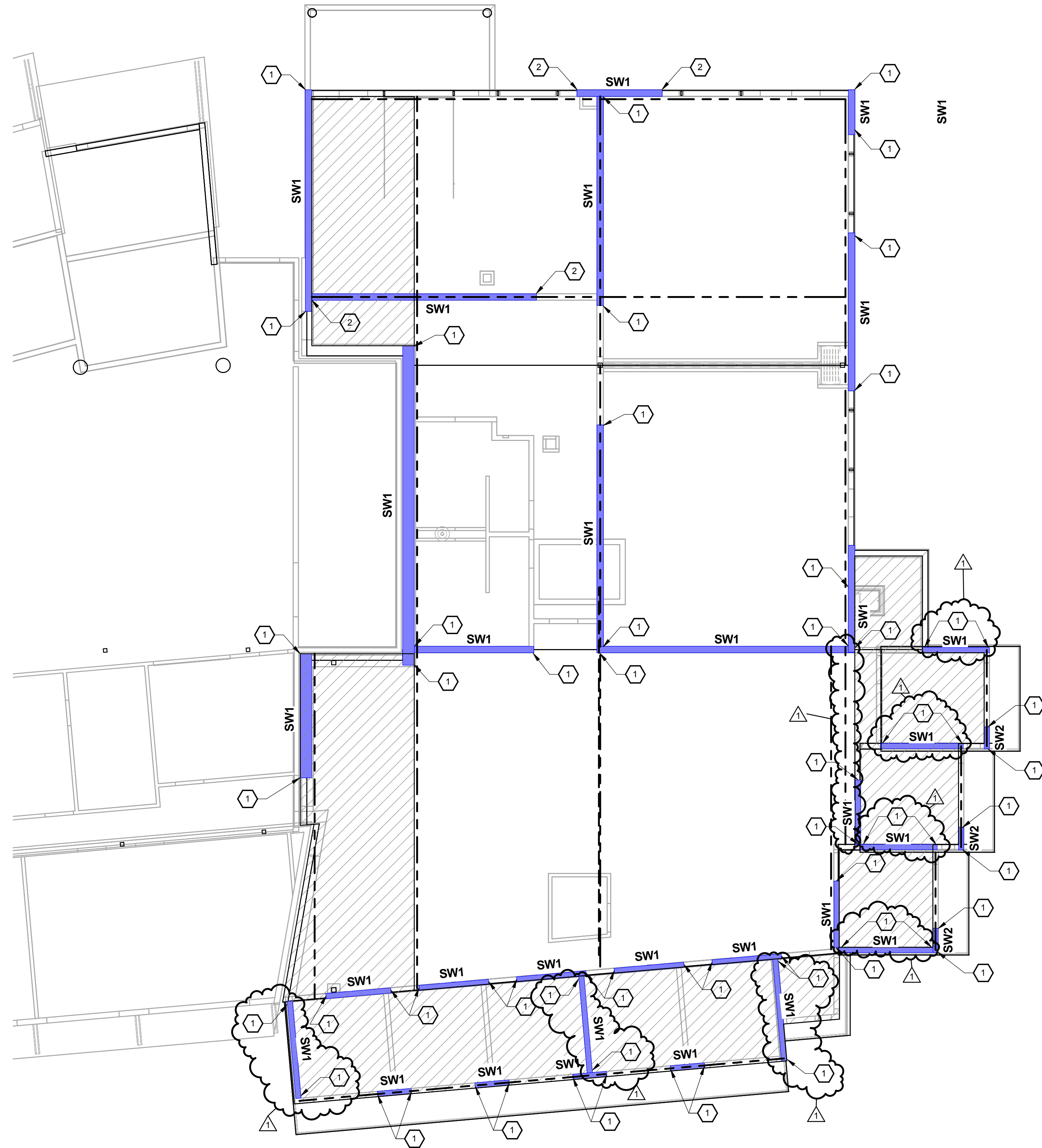
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Sheet Contents:
LATERAL FORCE RESISTING PLAN AT FOUNDATION

Sheet No.:
S4.1

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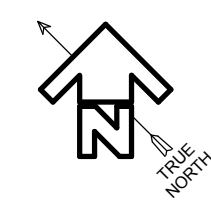


SHEAR WALL SCHEDULE

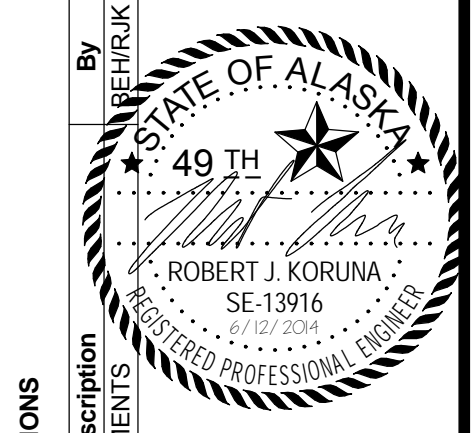
- SW1** 1/2" NOMINAL SHEATHING ATTACHED TO ONE SIDE OF STUD WALL WITH 8d NAILS (2 1/2" X 0.131" COMMON OR 2 1/2" X 0.113" GALVANIZED BOX) AT 4" O.C. PANEL EDGES, 12" O.C. FIELD
- SW2** 1/2" NOMINAL SHEATHING ATTACHED TO BOTH SIDES OF STUD WALL WITH 8d NAILS (2 1/2" X 0.131" COMMON OR 2 1/2" X 0.113" GALVANIZED BOX) AT 3" O.C. AT PANEL EDGES, 12" O.C. FIELD. BOTTOM PLATE NAILING: (2) 16d (0.162" X 3 1/2" AT 3" O.C. ANCHOR BOLT SPACING: 5/8"Ø AT 16" O.C.
- SIMPSON CMST12 STRAP ATTACHED TO JOIST OR TO 2x FLAT BLOCKING
- [Hatched Pattern] BLOCK DIAPHRAGM WITH 2x FLAT BLOCKING AT ALL PANEL EDGES.
- [Hatched Pattern] ROOF DIAPHRAGM: FASTEN SHEATHING WITH 8d AT 6" O.C. AT SUPPORTED EDGES. BLOCK AND STRAP WHERE SHOWN.

LATERAL PLAN KEY NOTES

- ① SIMPSON HDU4 HOLDDOWN ATTACHED TO DOUBLE STUDS - MINIMUM.
- ② SIMPSON HDU8 HOLDDOWN ATTACHED TO DOUBL STUDS - MINIMUM.



1 LATERAL FORCE RESISTING PLAN AT ROOF
S4.2 1/8" = 1'-0"



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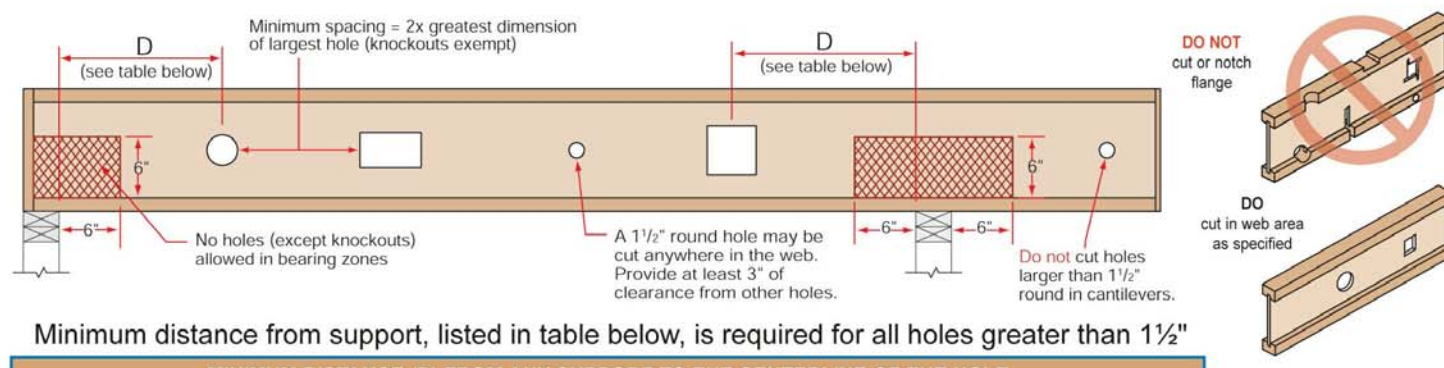
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Sheet Contents:
LATERAL FORCE RESISTING PLAN AT ROOF

Sheet No.:
S4.2

BCI® Joist Hole Location & Sizing

BCI® Joists are manufactured with 1 1/2" round perforated knockouts in the web at approximately 12" on center



Minimum distance from support, listed in table below, is required for all holes greater than 1 1/2"

| MINIMUM DISTANCE (D) FROM ANY SUPPORT TO THE CENTERLINE OF THE HOLE | | | | | | | | | | | | | | |
|---|-----------|----|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|-------|
| Round Hole Diameter [in] | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 8 1/2 | 10 | 11 | 12 | 13 | 14 | 15 |
| Rectangular Hole Side [in] | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Any 9 1/2" Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-8" | 2'-4" | 2'-11" | 3'-7" | | | | | | |
| | Span [ft] | 12 | 1'-0" | 1'-7" | 2'-7" | 3'-6" | 4'-5" | 5'-4" | | | | | | |
| | Span [ft] | 16 | 1'-0" | 2'-2" | 3'-5" | 4'-8" | 5'-11" | 7'-2" | | | | | | |
| Any 11 1/2" Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-5" | 2'-0" | 2'-5" | 2'-11" | 3'-5" | 3'-10" | | | | |
| | Span [ft] | 12 | 1'-0" | 1'-7" | 2'-3" | 3'-0" | 3'-8" | 4'-5" | 5'-1" | 5'-9" | | | | |
| | Span [ft] | 16 | 1'-2" | 2'-1" | 3'-0" | 4'-0" | 4'-11" | 5'-10" | 6'-10" | 7'-8" | | | | |
| Any 14" Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 1'-11" | 2'-4" | 2'-9" | 3'-3" | 3'-8" | | |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-7" | 2'-3" | 2'-11" | 3'-6" | 4'-1" | 4'-10" | 5'-6" | | |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-3" | 2'-2" | 3'-0" | 3'-10" | 4'-9" | 5'-6" | 6'-6" | 7'-4" | | |
| Any 16" Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 1'-11" | 2'-4" | 2'-9" | 3'-3" | 3'-8" | | |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-3" | 1'-9" | 2'-4" | 2'-11" | 3'-7" | 4'-2" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |
| Any 18" BCI® 90 2.0 Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-3" | 1'-3" | 1'-7" | 1'-11" | 2'-4" | 2'-9" | 3'-2" | 3'-7" |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-3" | 1'-9" | 2'-4" | 2'-11" | 3'-7" | 4'-2" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |
| Any 20" BCI® 90 2.0 Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-1" | 1'-1" | 1'-5" | 2'-0" | 2'-5" | 3'-0" | 3'-5" | 4'-0" | 4'-5" | 5'-0" |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 2'-1" | 2'-7" | 3'-1" | 3'-8" | 4'-3" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |
| Any 24" BCI® 90 2.0 Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-1" | 1'-1" | 1'-5" | 2'-0" | 2'-5" | 3'-0" | 3'-5" | 4'-0" | 4'-5" | 5'-0" |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 2'-1" | 2'-7" | 3'-1" | 3'-8" | 4'-3" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |
| Any 28" BCI® 90 2.0 Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-1" | 1'-1" | 1'-5" | 2'-0" | 2'-5" | 3'-0" | 3'-5" | 4'-0" | 4'-5" | 5'-0" |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 2'-1" | 2'-7" | 3'-1" | 3'-8" | 4'-3" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |
| Any 36" BCI® 90 2.0 Joist | Span [ft] | 8 | 1'-0" | 1'-1" | 1'-1" | 1'-1" | 1'-5" | 2'-0" | 2'-5" | 3'-0" | 3'-5" | 4'-0" | 4'-5" | 5'-0" |
| | Span [ft] | 12 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-6" | 2'-1" | 2'-7" | 3'-1" | 3'-8" | 4'-3" | 4'-9" | 5'-4" |
| | Span [ft] | 16 | 1'-0" | 1'-1" | 1'-2" | 1'-2" | 1'-7" | 2'-5" | 3'-2" | 3'-10" | 4'-9" | 5'-7" | 6'-4" | 7'-2" |

- Select a table row based on joist depth and the actual joist span rounded up to the nearest table span. Scan across the row to the column headed by the appropriate round hole diameter or rectangular hole side. Use the longest side of a rectangular hole. The table value is the closest that the centerline of the hole may be to the centerline of the nearest support.
- The entire web may be cut out. DO NOT cut the flanges. Holes apply to either single or multiple joists in repetitive member conditions.
- For multiple holes, the amount of uncut web between holes must equal at least twice the diameter (or longest side) of the largest hole.
- 1 1/2" round knockouts in the web may be removed by using a short piece of metal pipe and hammer.
- Holes may be positioned vertically anywhere in the web. The joist may be set with the 1 1/2" knockout holes turned either up or down.
- This table was designed to apply to the design conditions covered by tables elsewhere in this publication. Use the BC CALC® software to check other hole sizes or holes under other design conditions. It may be possible to exceed the limitations of this table by analyzing a specific application with the BC CALC® software.

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Floor Framing Details

Additional floor framing details available with BC FRAMER® software (see page 33)

END BEARING DETAILS

F01 Nail Boise Cascade Rimboard to BCI® Joists with 8d nail into each flange.

F01A Dimension lumber is not suitable for use as rim board with BCI® Joists.

F02 BCI® rim joist.

F03 BCI® Joist blocking.

F21A Top Flange or Face Mount Joist Hanger.

F22 One 8d nail each side at bearing.

F08 Solid block all posts from above to bearing below.

F03 BCI® Joist blocking.

F09 For load bearing wall above (attached over wall below).

F09A Blocking may be required at intermediate bearings for floor diaphragm per IRC in high seismic areas, consult local building official.

F09B Floor Joist Blocking per IRC 602.3 Required in design categories D, and higher for floor diaphragm required for all joist types.

F09C Load bearing wall above (stacked over wall below).

F09D Intermediate Bearing. 2x block. Cross bracing OK as blocking only if support below is a braced wall panel or shear wall and no wall exists above.

F10 Joist Hanger. Backer block (minimum 2" wide). Nail with 10-10d nails.

F10A Backer block required where top flange joist hanger load exceeds 250 lbs. Install tight to top flange.

F10B Double BCI® Joist Connection. Filler Block (see chart below). Web Filler Nailing 12" on-center. Connection valid for all applications. Contact Boise Cascade EWP Engineering for specific conditions.

F06 Sheathing or rimboard closure. BCI® Joist blocking required for cantilever.

F07 For load bearing cantilever, see pages 8 and 9. Uplift on backspan shall be considered in all cantilever designs.

F14 BCI® Joist Slope Cut Reinforcement. Detail below restores original allowable shear/reaction value to cut end of BCI® joist. BCI® Joist shall not be used as a collar or rafter tension tie. 2 x 6 min. rafter. Rafter shall be supported by ridge beam or other upper bearing support.

F14A 2x blocking required at bearing (not shown for clarity). 7/8" min. plywood/OSB rated sheathing as reinforcement. Install reinforcement with ridge beam horizontal. Install on both sides of the joist, tight to bottom flange. Leave minimum 1/4" gap between reinforcement and bottom of top flange. Apply construction adhesive to contact surfaces and fasten with 3 rows of min. 10d box nails at 6" o.c. Alternate nailing from each side and clinch.

| End Use | End Use | End Use | End Use | End Use | End Use | End Use |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 12 x 4 | 4 1/2 x 4 | 4 1/2 x 4 | 4 1/2 x 4 | 4 1/2 x 4 | 4 1/2 x 4 | 4 1/2 x 4 |
| 2 x 6 | 3 1/4 x 6 | 3 1/4 x 6 | 2 1/4 x 6 | 2 1/4 x 6 | 2 1/4 x 6 | 2 1/4 x 6 |
| 10/12 | 10/12 | 10/12 | 10/12 | 10/12 | 10/12 | 10/12 |
| 12/12 | 12/12 | 12/12 | 12/12 | 12/12 | 12/12 | 12/12 |

LATERAL SUPPORT

- BCI® Joists shall be laterally supported at the ends with hangers, rimboard, BCI® rim joist or blocking panels. BCI® blocking panels or rimboard are required at cantilever supports.
- Blocking may be required at intermediate bearings for floor diaphragm per IRC in high seismic areas, consult local building official.

MINIMUM BEARING LENGTH FOR BCI® JOISTS

- Minimum Bearing Lengths: 18" end bearing.
- 3/4" intermediate and adjacent cantilever bearing.
- Longer bearing lengths allow higher reaction values. Refer to the building code evaluation report or the BC CALC® software.

NAILING REQUIREMENTS

- BCI® rim joist, rim board or closure panel to BCI® joist:
 - Rims or closure panel 1 1/2 inches thick and less: 2-8d nails, one each in the top and bottom flange.
 - BCI® 5000 rim joist: 2-10d box nails, one each in the top and bottom flange.
 - BCI® 6000, 60 rim joist: 2-16d box nails, one each in the top and bottom flange.
 - BCI® 6500, 90 rim joist: Toe-nail top flange to rim joist with 2-10d box nails, one each side of flange.
- BCI® rim joist, rim board or BCI® blocking panel to support:
 - Min. 8d nails @ 6" o.c. per IRC.
 - Connection per design professional of record's specification for shear transfer.

BACKER AND FILLER BLOCK DIMENSIONS

| Series | Backer Block Thickness | Filler Block Thickness |
|----------|----------------------------------|--------------------------------|
| 5000 1.7 | 1 1/4" or 1 1/2" wood panels | Two 1 1/2" wood panels or 2x 2 |
| 6000 1.8 | 1 1/4" or two 1 1/2" wood panels | 2x 2 1/2" or 1 1/2" wood panel |
| 6500 1.8 | 1 1/4" or two 1 1/2" wood panels | 2x 1 1/2" or 1 1/2" wood panel |
| 60 2.0 | 1 1/4" or two 1 1/2" wood panels | 2x 1 1/2" or 1 1/2" wood panel |
| 90 2.0 | 2x lumber | Double 2x lumber |

BCI® RIM JOISTS AND BCI® BLOCKING

| Depth [ft] | Series | No. Nails | N/A | N/A |
|------------|------------------------------|-----------|------|------|
| 9 1/2" | 5000 1.7, 6000 1.8, 6500 1.8 | 2300 | N/A | N/A |
| 9 1/2" | 60 2.0, 90 2.0 | 2300 | N/A | N/A |
| 11 1/4" | 5000 1.7, 6000 1.8, 6500 1.8 | 2150 | N/A | N/A |
| 11 1/4" | 60 2.0, 90 2.0 | 2300 | N/A | N/A |
| 14" | 5000 1.7, 6000 1.8, 6500 1.8 | 2000 | N/A | N/A |
| 18" | 60 2.0, 90 2.0 | 2300 | N/A | N/A |
| 18" | 60 2.0, 90 2.0 | 2300 | 2700 | 2700 |
| 20" | 90 2.0 | N/A | 2700 | 2700 |

WEB STIFFENER REQUIREMENTS

- BCI® joist to support: 2-8d nails, one on each side of the web, placed 1 1/2 inches minimum from the end of the BCI® joist to limit splitting.
- Sheathing to BCI® joist: Prescriptive residential floor sheathing nailing requires 8d common nails @ 6" o.c. on edges and @ 12" o.c. in the field (IRC Table R602.3.1).
- See closest allowable nail spacing limits on page 24 for floor diaphragm nailing specified at closer spacing than IRC.
- Minimum nail spacing for minimum lateral stability: 18" for BCI® 5000, 24" for larger BCI® joist series.
- 14 gauge staples may be substituted for 8d nails if the staples penetrate at least 1 inch into the joist.
- Wood screws may be acceptable, contact local building official and/or Boise Cascade EWP Engineering for further information.
- Cut backer and filler blocks a maximum depth equal to the web depth minus 1/4" to avoid a forced fit.

BCI® joist to support: 2-8d nails, one on each side of the web, placed 1 1/2 inches minimum from the end of the BCI® joist to limit splitting.

Sheathing to BCI® joist: Prescriptive residential floor sheathing nailing requires 8d common nails @ 6" o.c. on edges and @ 12" o.c. in the field (IRC Table R602.3.1).

See closest allowable nail spacing limits on page 24 for floor diaphragm nailing specified at closer spacing than IRC.

Minimum nail spacing for minimum lateral stability: 18" for BCI® 5000, 24" for larger BCI® joist series.

14 gauge staples may be substituted for 8d nails if the staples penetrate at least 1 inch into the joist.

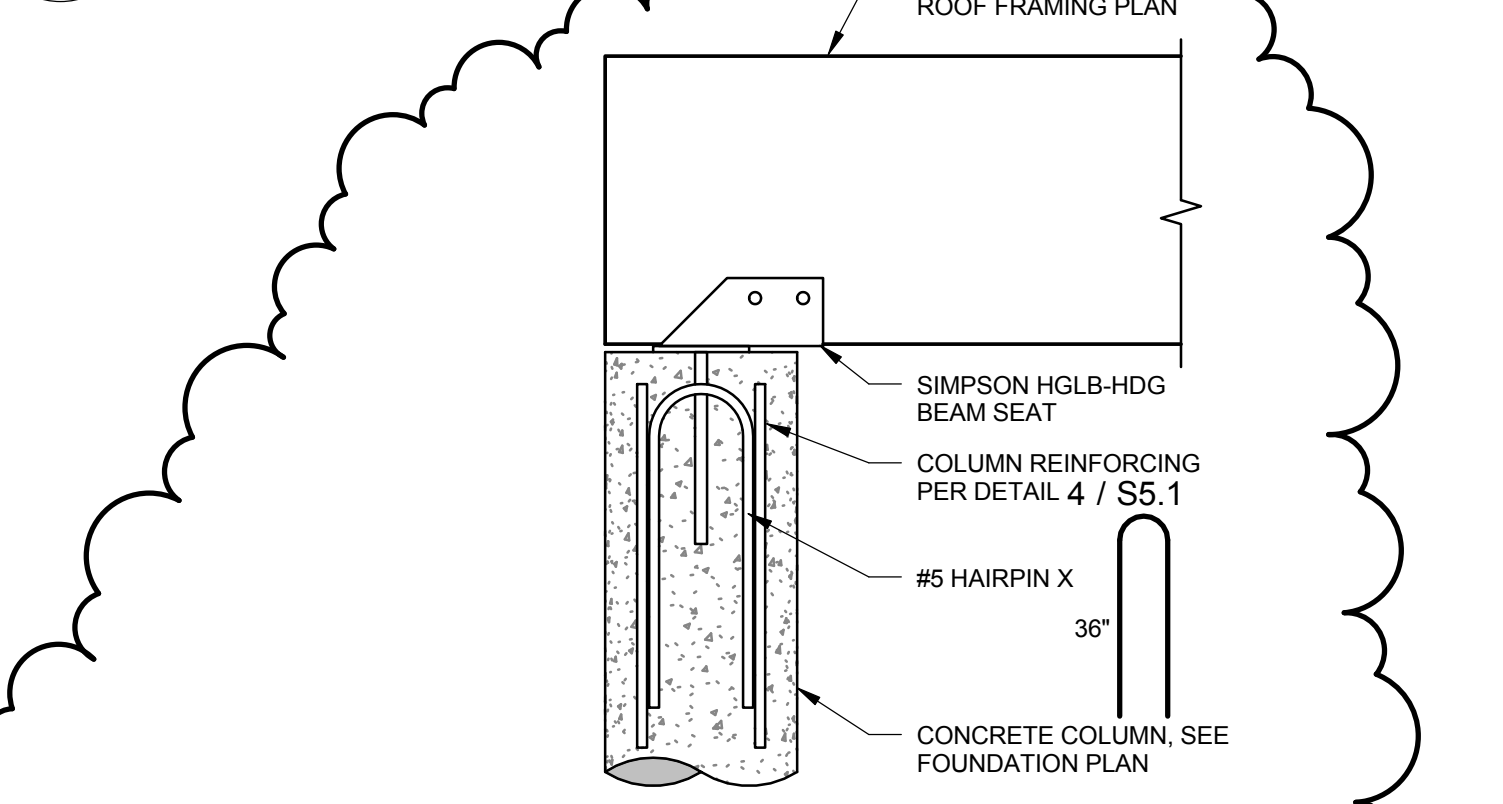
Wood screws may be acceptable, contact local building official and/or Boise Cascade EWP Engineering for further information.

Cut backer and filler blocks a maximum depth equal to the web depth minus 1/4" to avoid a forced fit.

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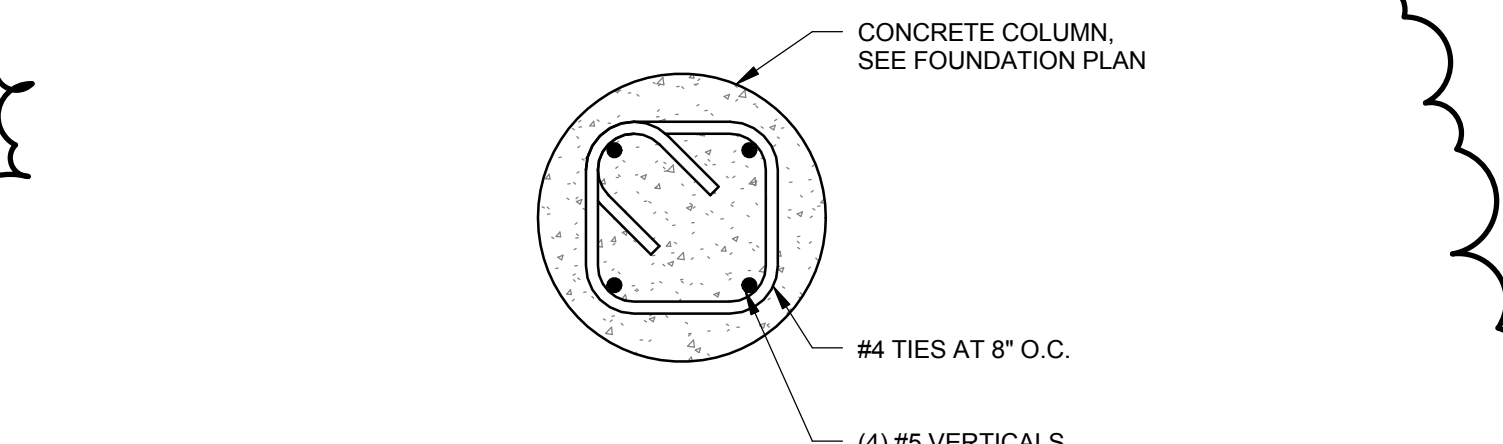
1 FOUNDATION - SHEAR WALL PARALLEL TO JOISTS

1" = 1'-0"



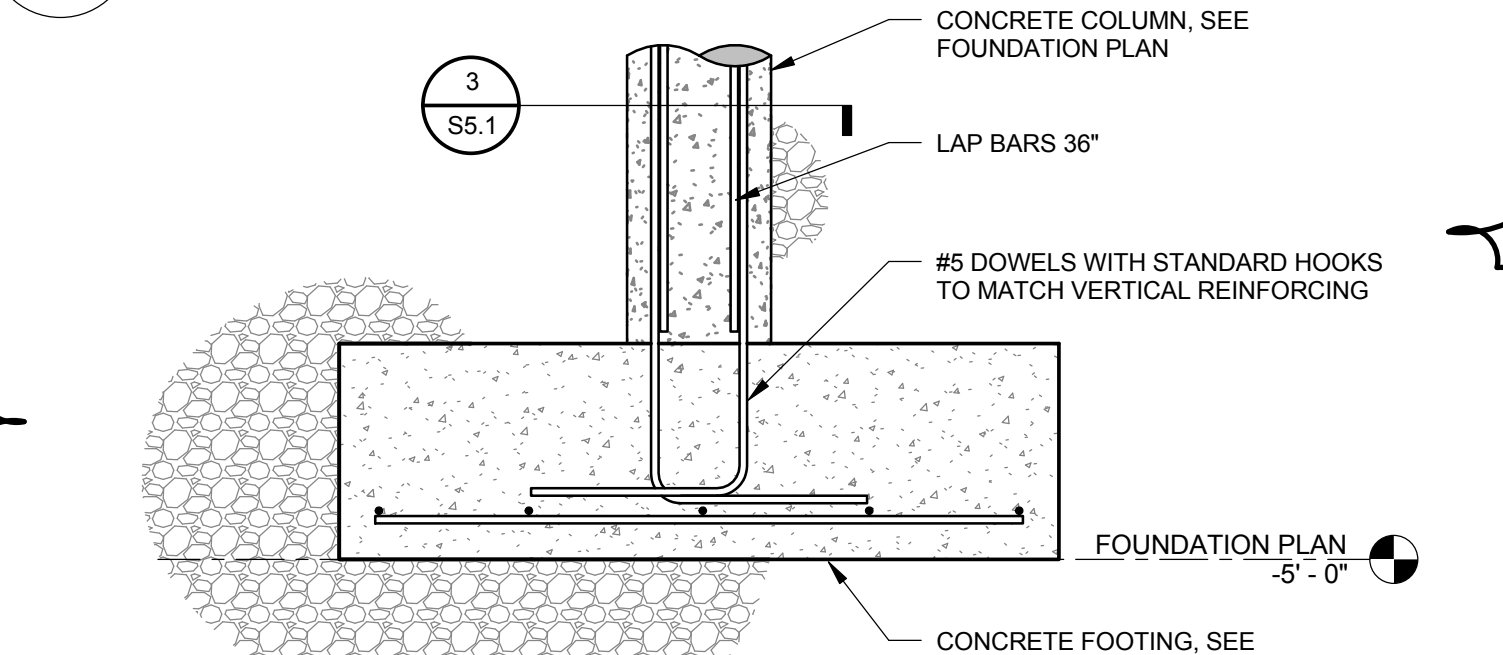
2 ROOF - BEAM AT EXTERIOR COLUMN

1" = 1'-0"



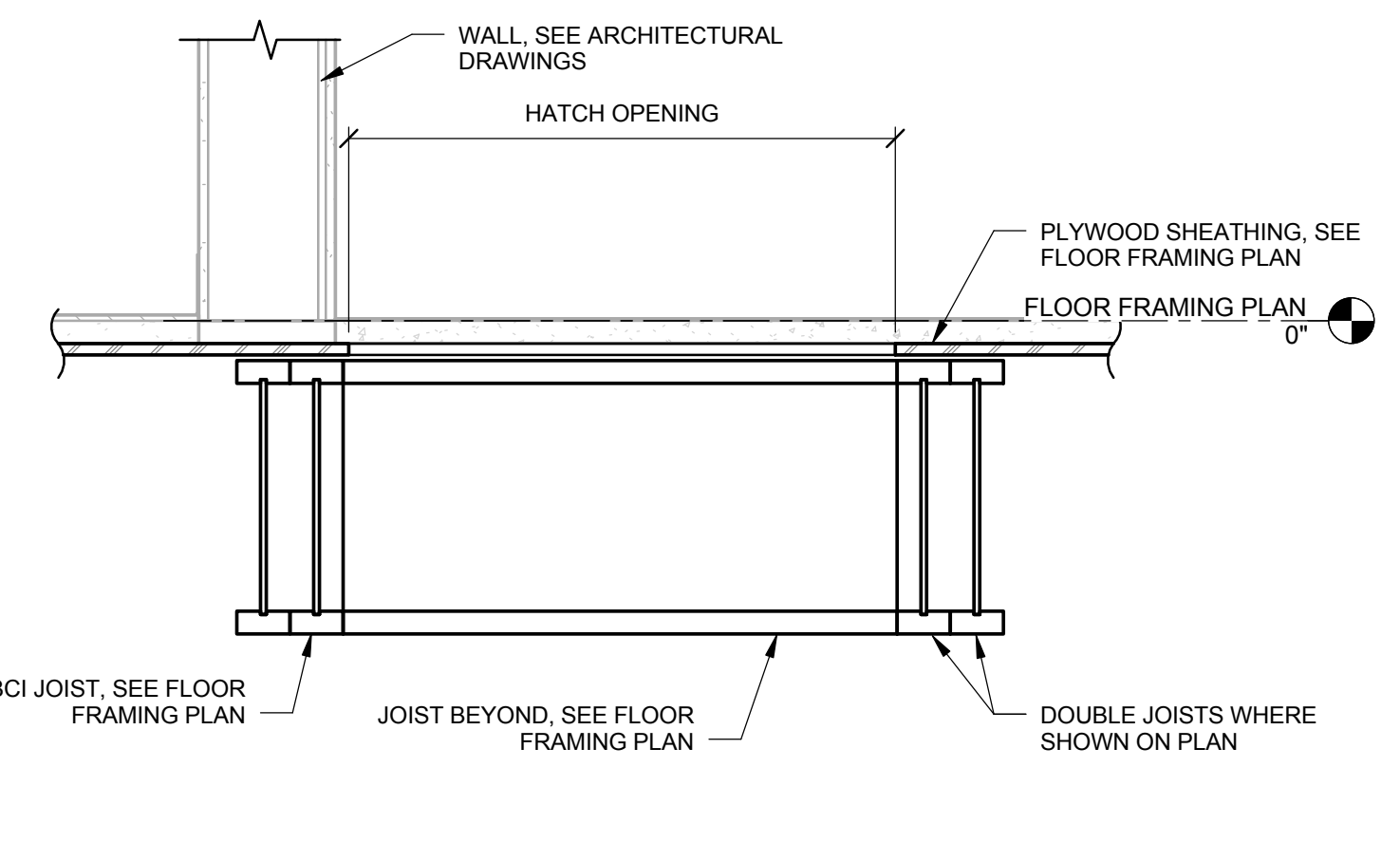
3 PLAN - EXTERIOR CONCRETE COLUMN

1 1/2" = 1'-0"



4 FOUNDATION - EXTERIOR CONCRETE COLUMN

3/4" = 1'-0"



5 FLOOR - ACCESS HATCH

1" = 1'-0"

Web Stiffener Requirements

Small Gap: 1/4" min., 2" max. **Web Stiffener:** 2" min., 4" max.

Web Stiffener Nailing Schedule

| BCI® Joist Series | Joist Depth | Bearing Location | |
|-------------------|-------------|------------------|--------------|
| | | End | Intermediate |
| 5000 | 9 1/2" | 2-8d | 2-8d |
| | 11 1/4" | 2-8d | 3-8d |
| | 14" | 2-8d | 5-8d |
| 6000 | 9 1/2" | 2-8d | 2-8d |
| | 11 1/4" | 2-8d | 3-8d |
| | 14" | 2-8d | 5-8d |
| 6500 | 16" | 2-8d | 6-8d |
| | 9 1/2" | 2-8d | 2-8d |
| | 11 1/4" | 2-8d | 3-8d |
| 60 2.0 | 14" | 2-8d | 5-8d |
| | 16" | 2-8d | 6-8d |
| | 11 1/4" | 2-8d | 3-8d |
| 90 2.0 | 14" | 2-8d | 5-8d |
| | 16" | 2-8d | 6-8d |
| | 11 1/4" | 2-8d | 3-16d |

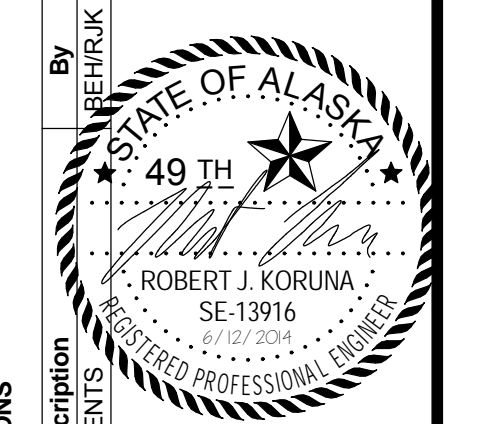
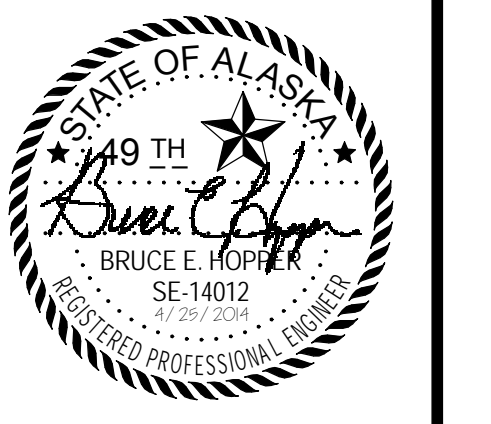
Web Stiffener Specifications

| BCI® Joist Series | Structural Capacity (Min. Thick) | Lateral Restraint in Hanger | Minimum Width |
|-------------------|----------------------------------|-----------------------------|---------------|
| 5000 1.7 | 3/8" | 3/4" | 2 1/8" |
| 6000 1.8 | 3/8" | 3/4" | 2 1/8" |
| 6500 1.8 | 3/8" | 1" or 1 1/4" | 2 1/8" |
| 60 2.0 | 3/8" | 7/8" | 2 1/8" |
| 90 2.0 | 3/8" | 7/8" | 2 1/8" |

NOTES

- Web stiffeners are optional except as noted below.
- Web stiffeners are always required for all 18" and 20" BCI® Joists at all bearing locations.
- Web stiffeners are always required in hangers that do not extend up to support the top flange of the BCI® Joist. Web stiffeners may be required with certain sloped or skewed hangers or to achieve uplift values. Refer to the hanger manufacturer's installation requirements.
- Web stiffeners are always required in certain roof applications. See Roof Framing Details on page 14.
- Web stiffeners are always required under concentrated loads that exceed 1000 pounds. Install the web stiffeners snug to the top flange in this situation. Follow the nailing schedule for intermediate bearings.
- Web stiffeners may be cut from structural rated wood panels, engineered rimboard or 2x lumber (BCI® 90 only).
- For Structural Capacity: Web stiffeners needed to increase the BCI® Joist's reaction capacity at a specific bearing location.
- Lateral Restraint in Hanger: Web stiffeners needed when hanger does not laterally support the top flange (e.g., adjustable height hangers). Web stiffeners may be of multiple thickness (e.g., BCI® 6500, double 1/2" panel OK).
- Web stiffeners may be used to increase allowable reaction values. See BCI® Design Properties on page 24 or the BC CALC® software.

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| REVISIONS | Description | Date |
|-------------|----------------------|-----------|
| By: REF/HRK | IMOA REVIEW COMMENTS | 5/17/2014 |
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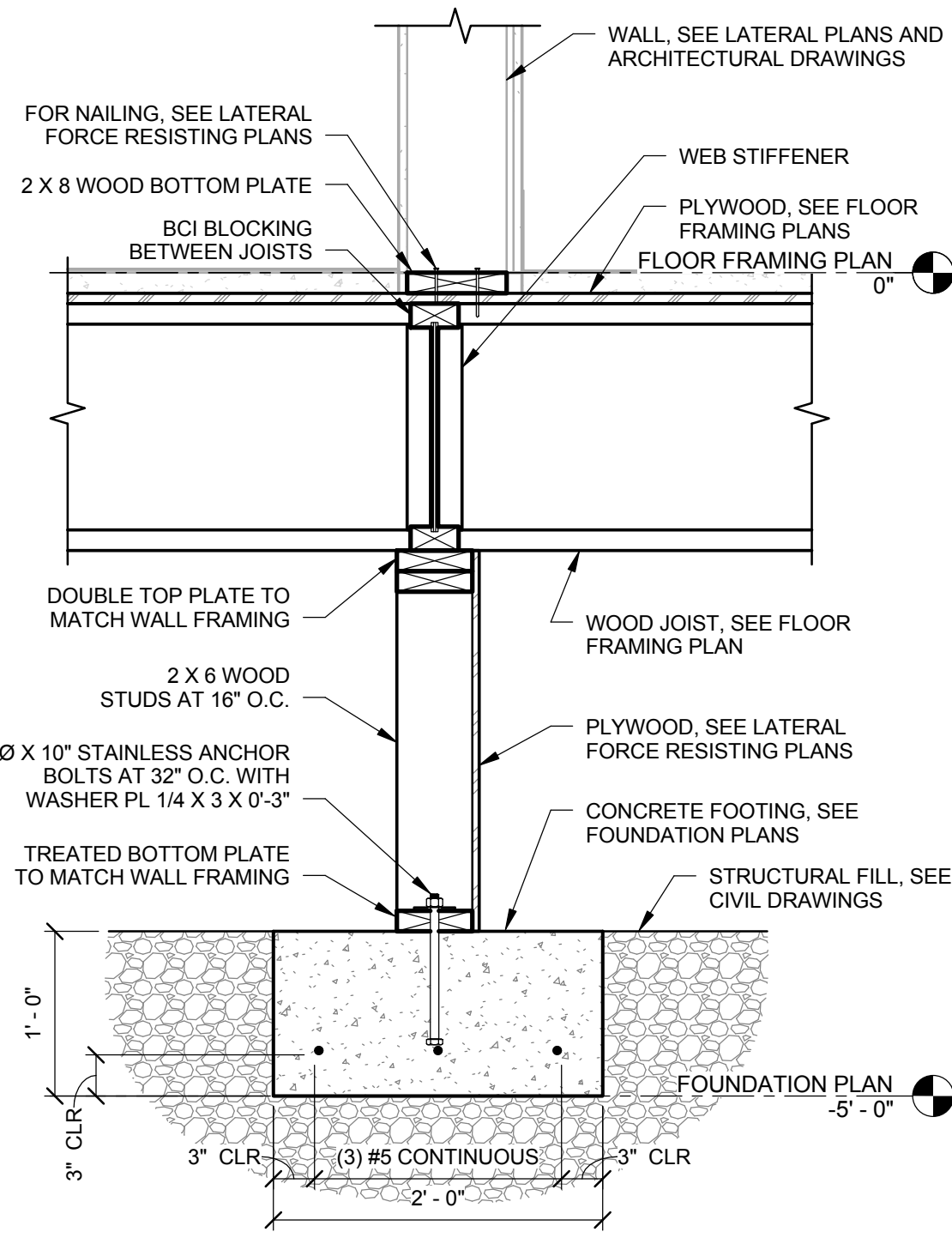
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| Project Mgr. | JAC |
| Drawn | KR DJR |
| Checked | BEH |
| Date | 4/25/2014 |

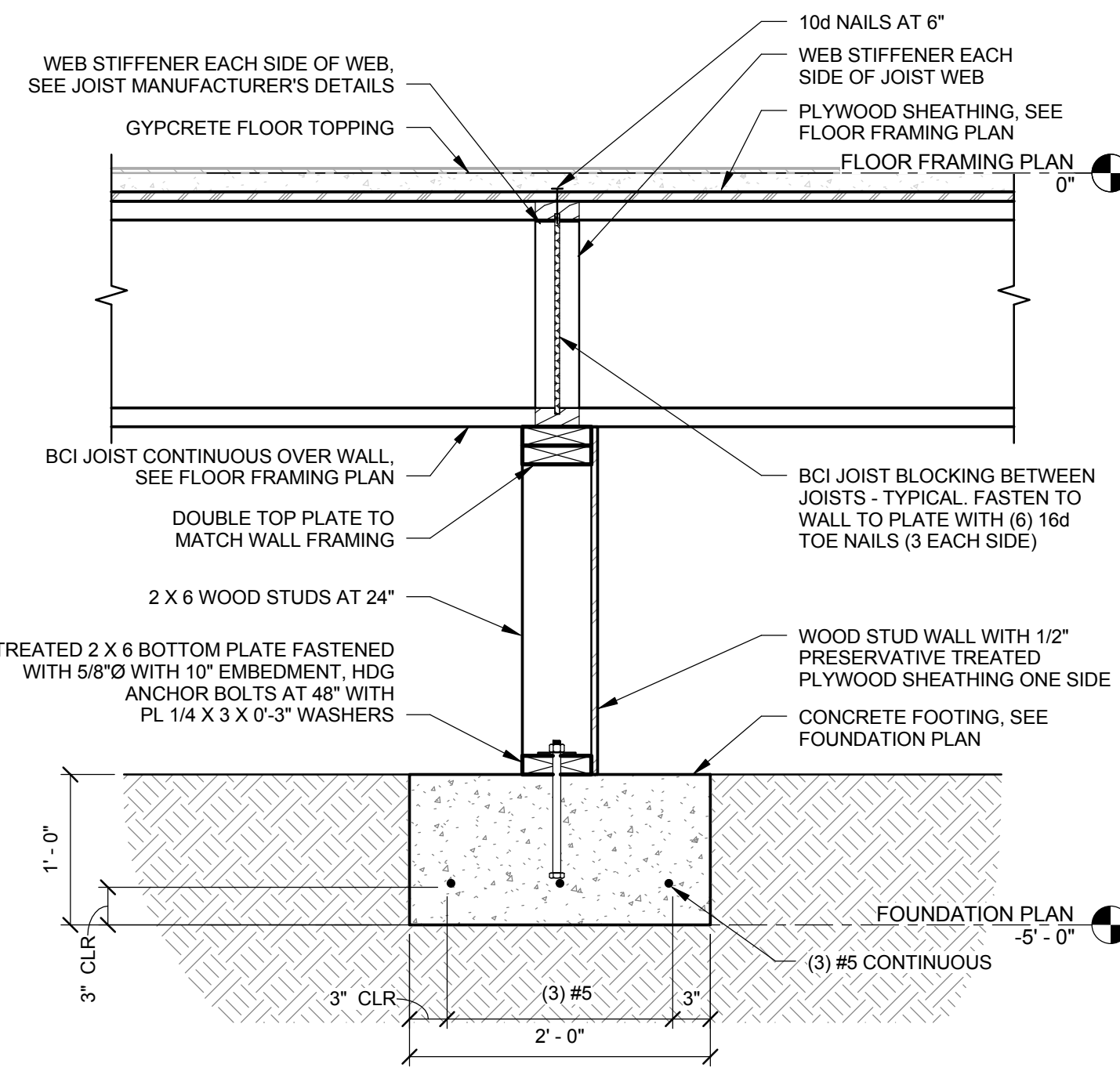
Sheet Contents:
FOUNDATION AND FLOOR FRAMING DETAILS

| | |
|------------|-------------|
| Sheet No.: | S5.1 |
|------------|-------------|



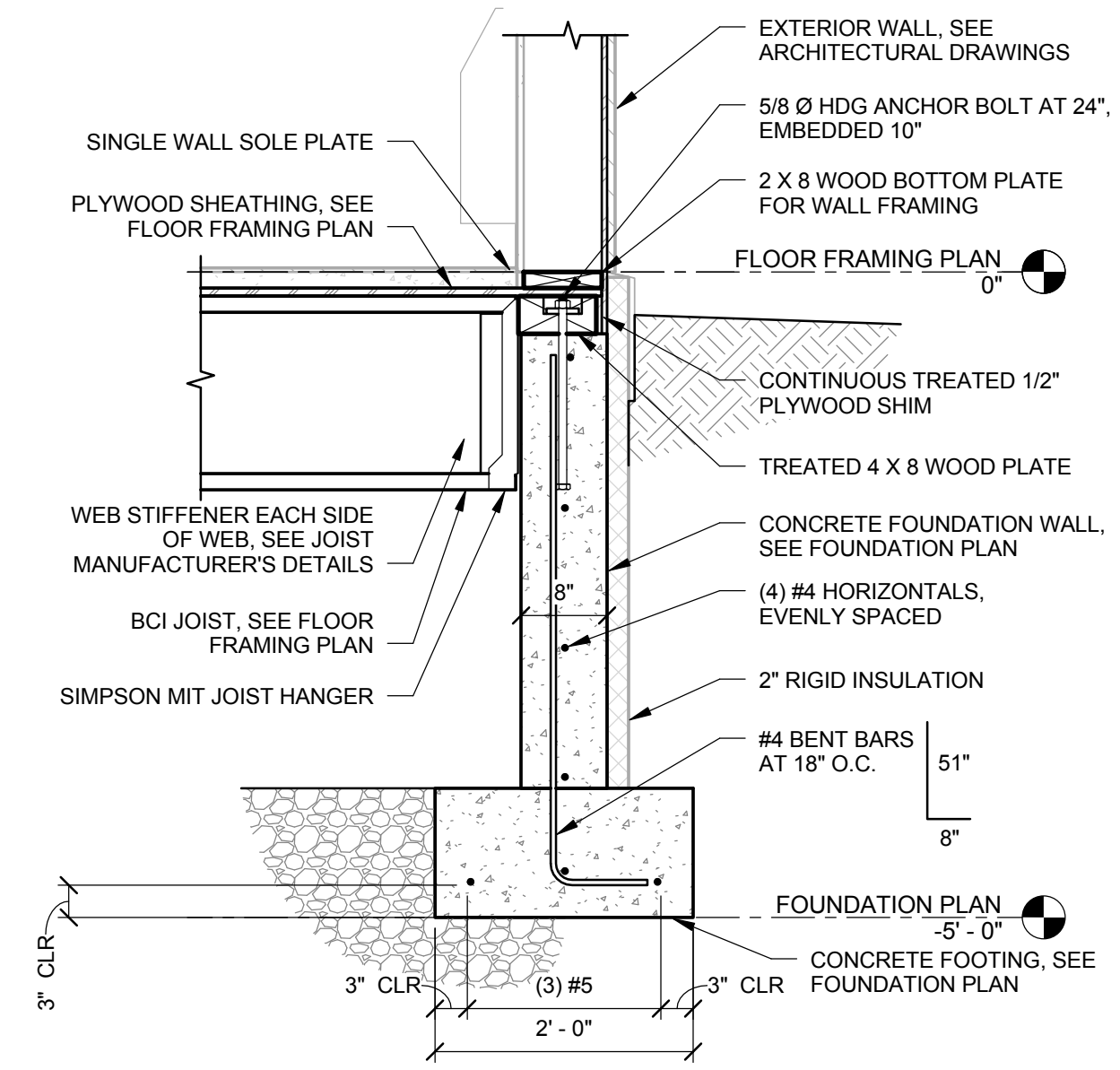
5 FOUNDATION - SHEAR WALL AT CONTINUOUS JOISTS

S5.2 1" = 1'-0"



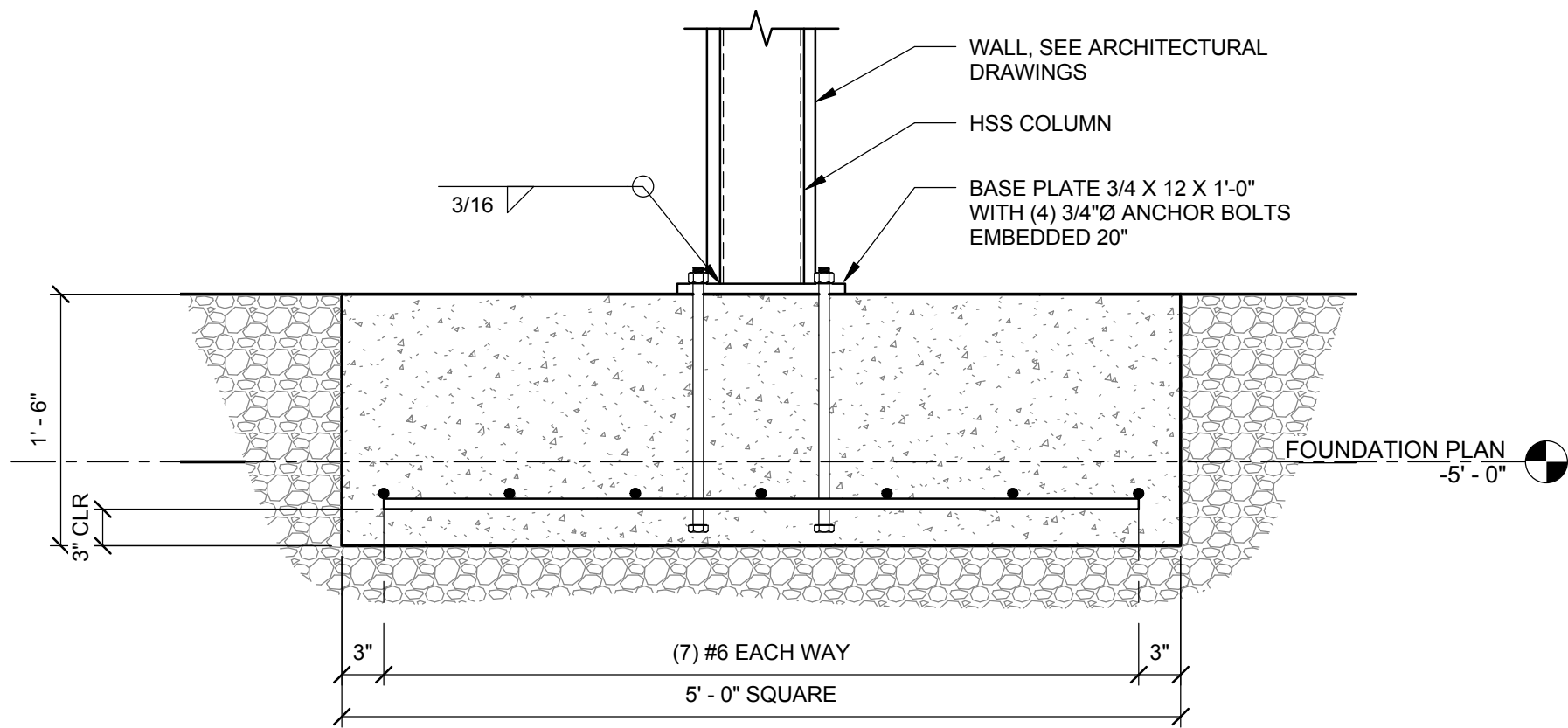
3 FLOOR - JOISTS AT INTERIOR FOUNDATION WALL

S5.2 1" = 1'-0"



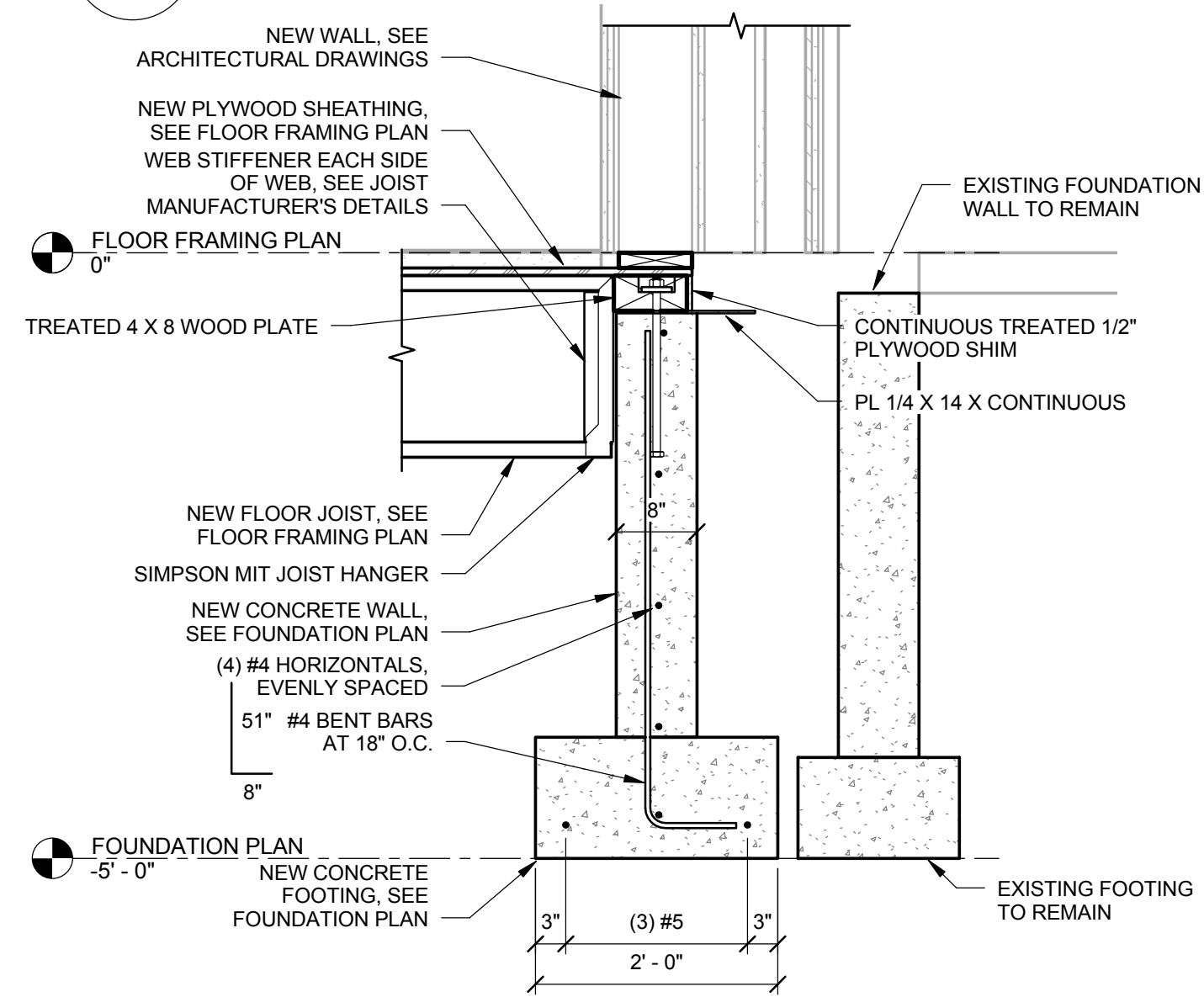
1 FOUNDATION - TYPICAL BCI AT EXTERIOR WALL

S5.2 3/4" = 1'-0"



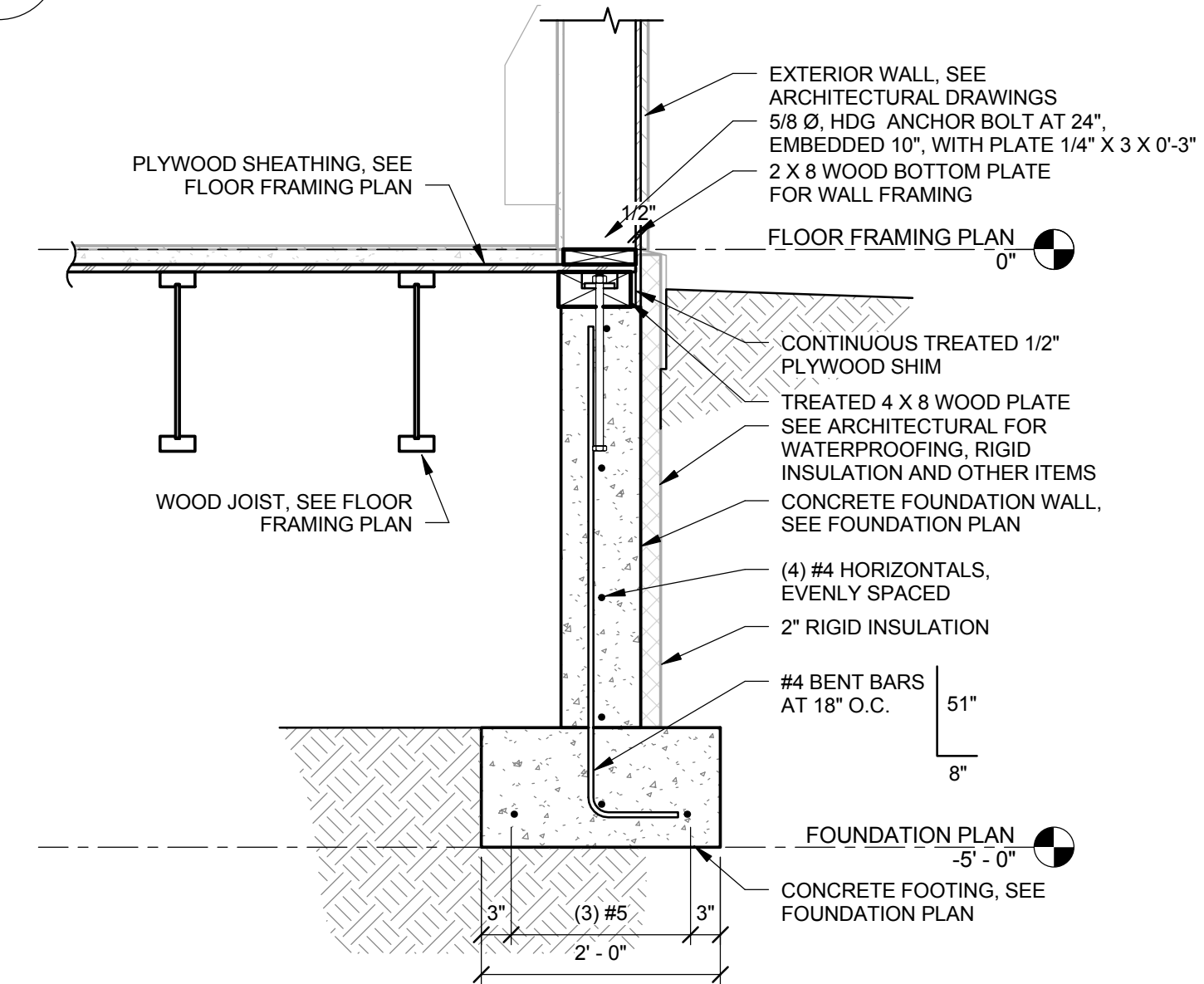
6 FOUNDATION - SPREAD FOOTING

S5.2 1" = 1'-0"



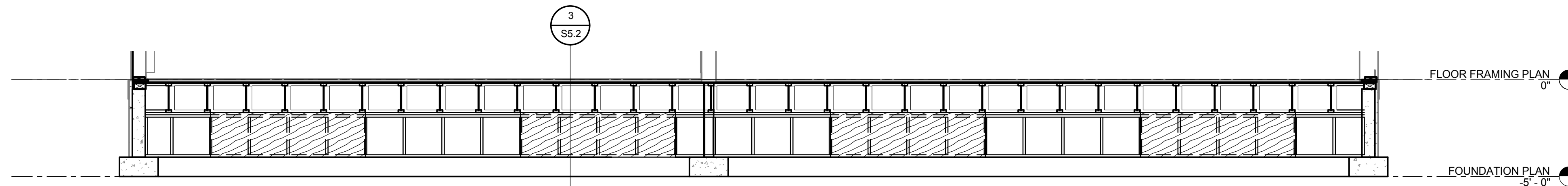
4 FLOOR - NEW BCI AT EXISTING FOUNDATION

S5.2 3/4" = 1'-0"



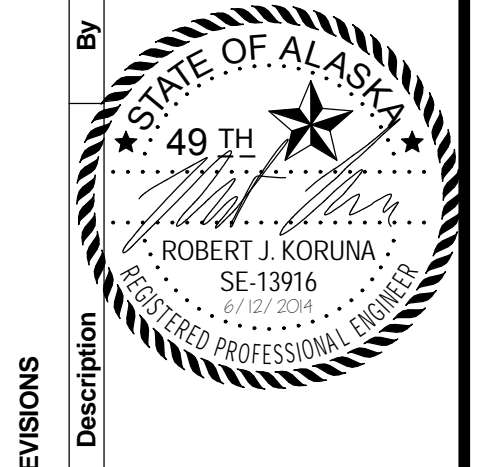
2 FLOOR - TYPICAL BCI PARALLEL TO EXTERIOR FOUNDATION

S5.2 3/4" = 1'-0"



7 FOUNDATION - TYPICAL INTERIOR WALL ELEVATION

S5.2 1/4" = 1'-0"



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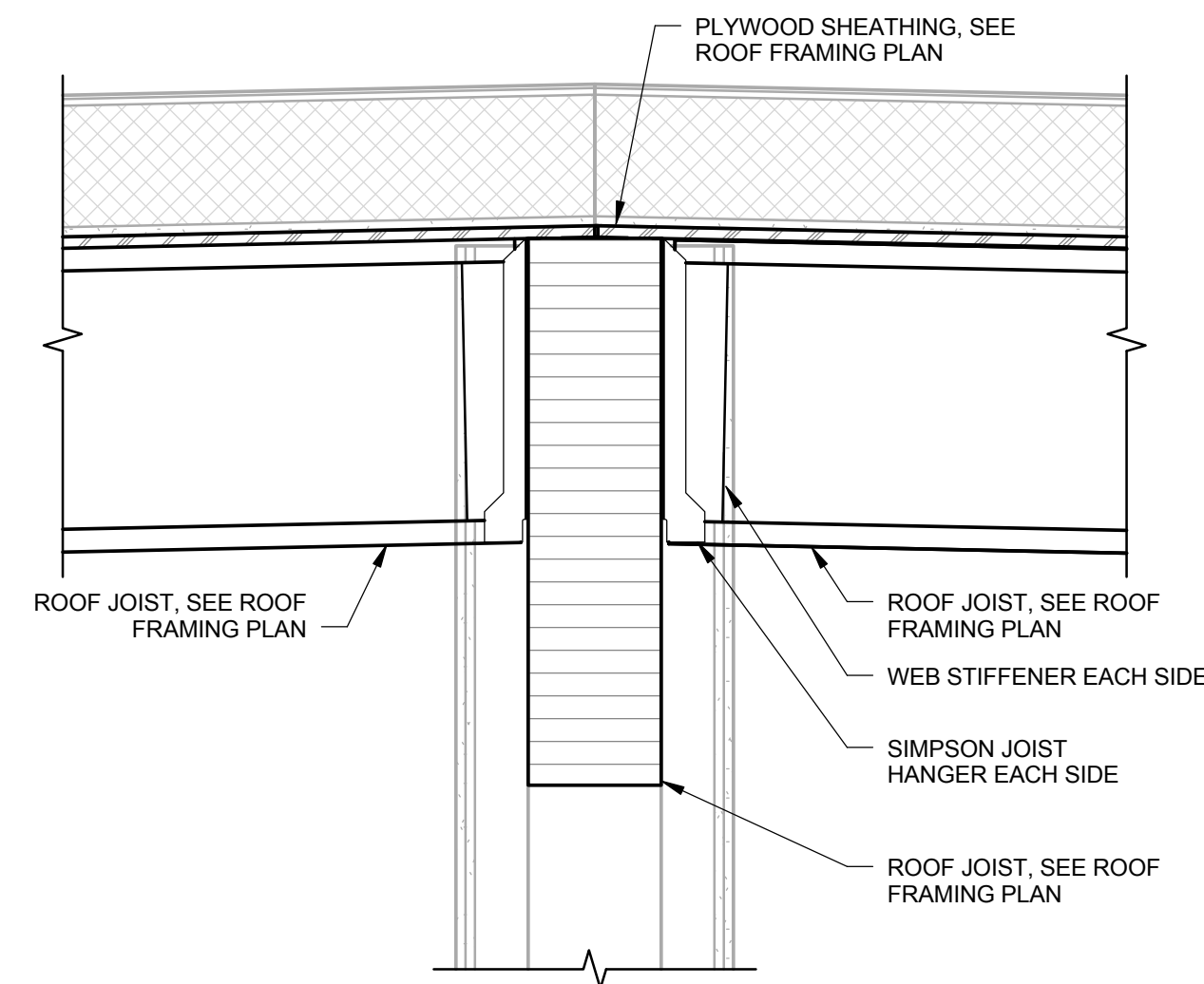
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 Anchorage, Alaska

Alaska Native Heritage Center
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 Anchorage, Alaska 99504

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| Project Mgr. | JAC |
| Drawn | KR DJR |
| Checked | BEH |
| Date | 4/25/2014 |

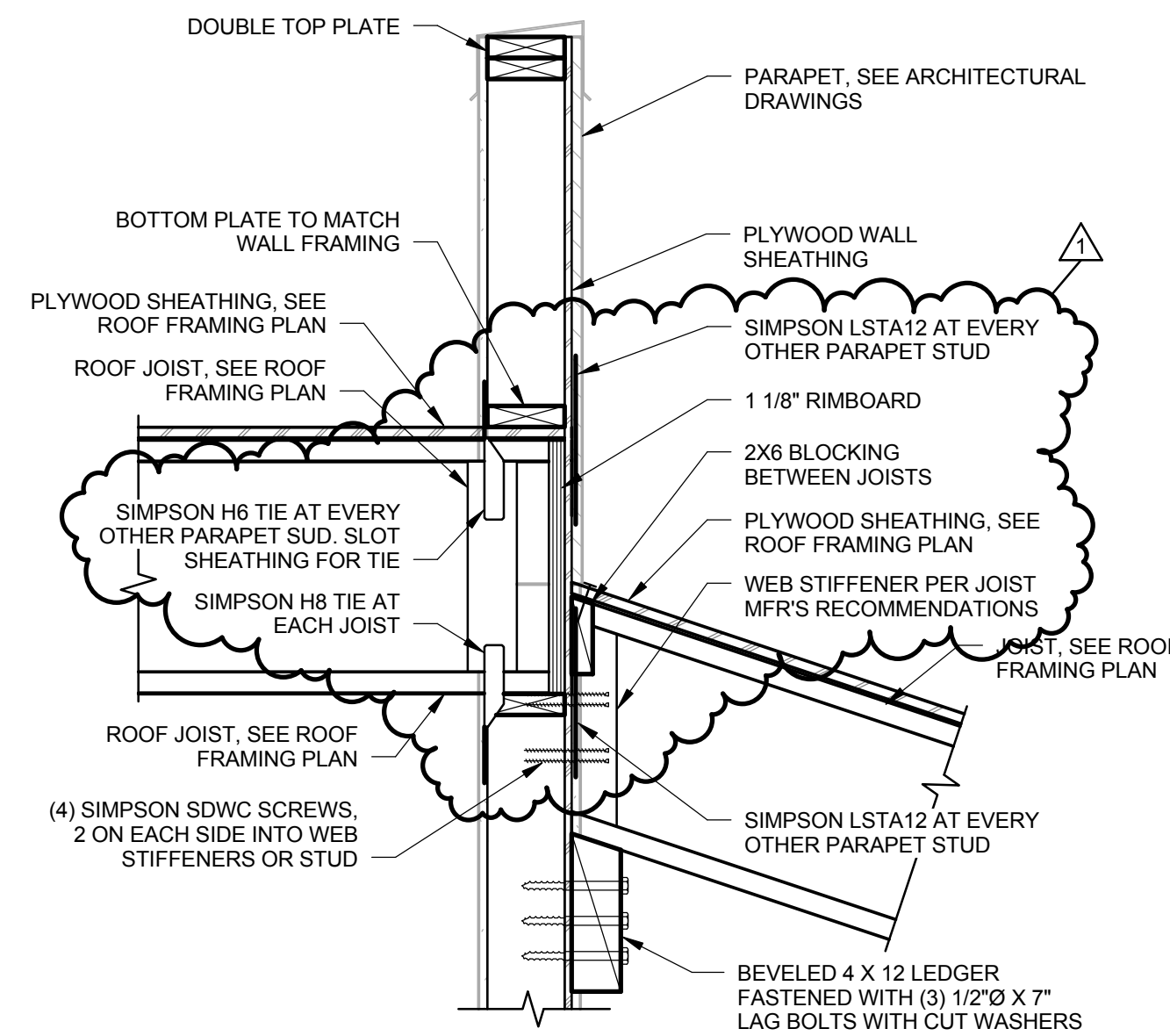
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FOUNDATION AND FLOOR FRAMING DETAILS

Sheet No.:
S5.2



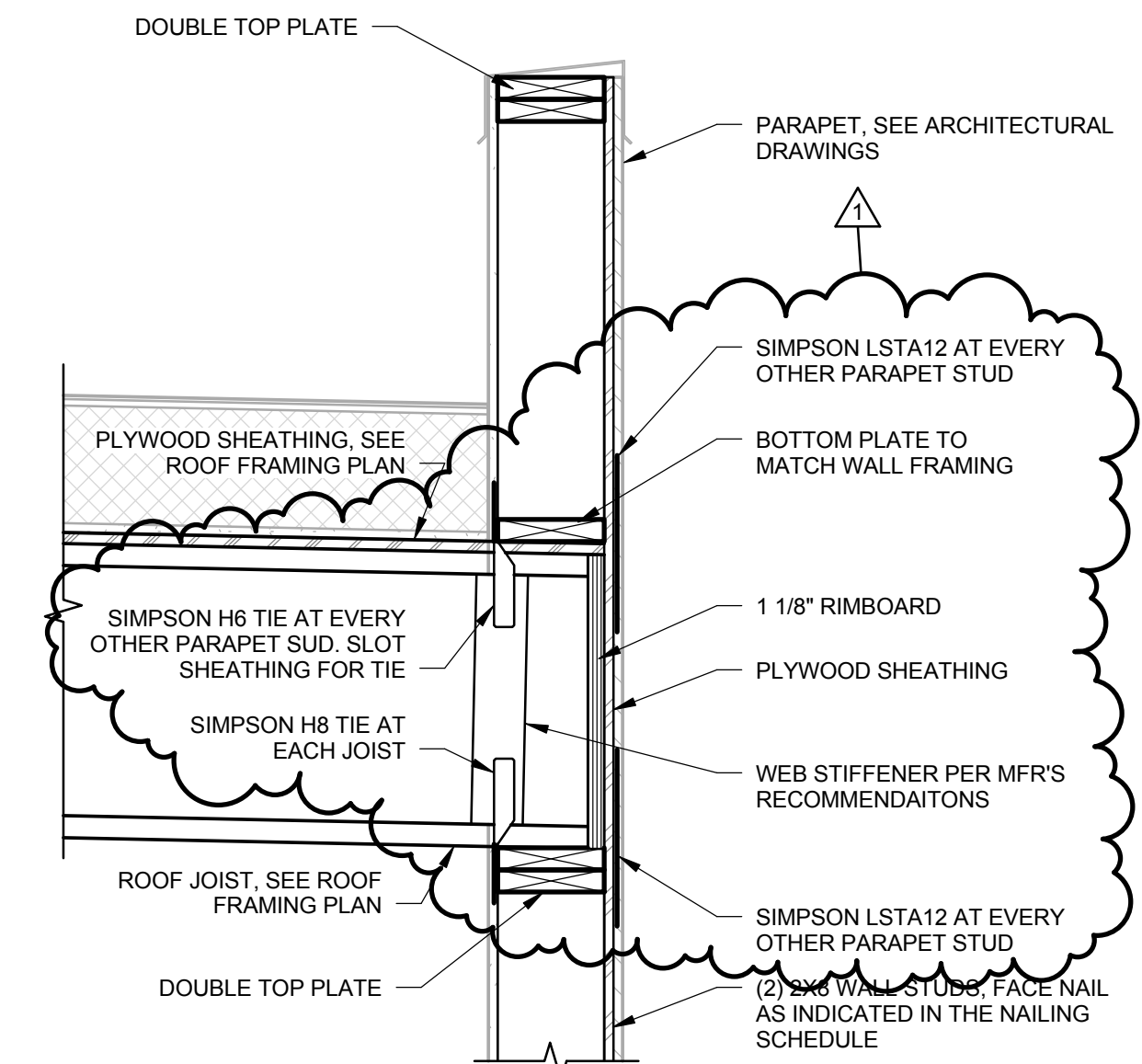
7 ROOF - JOISTS AT OFFSET

S6.1 1" = 1'-0"



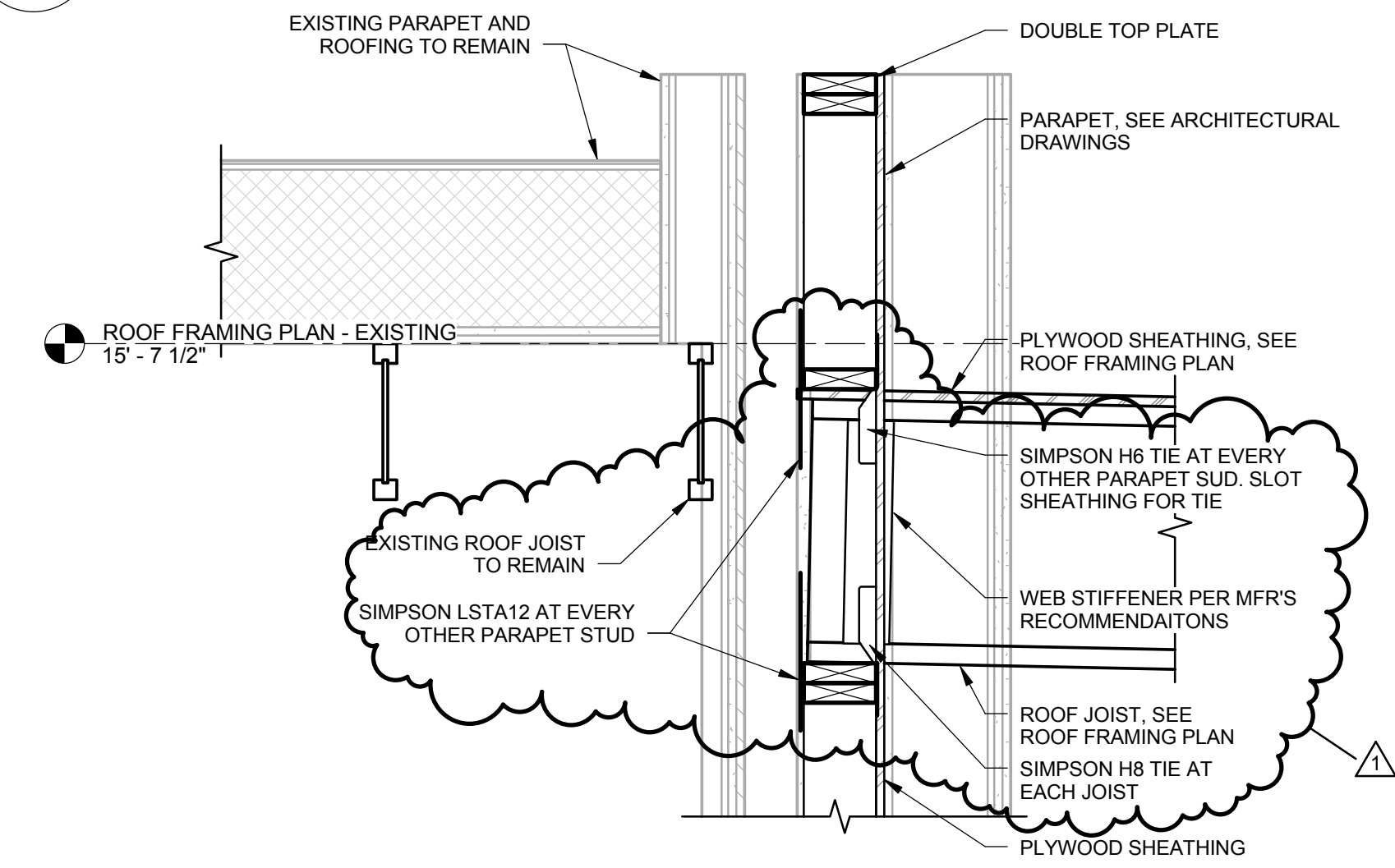
4 ROOF - SLOPED BCI AT EAST PARAPET

S6.1 1" = 1'-0"



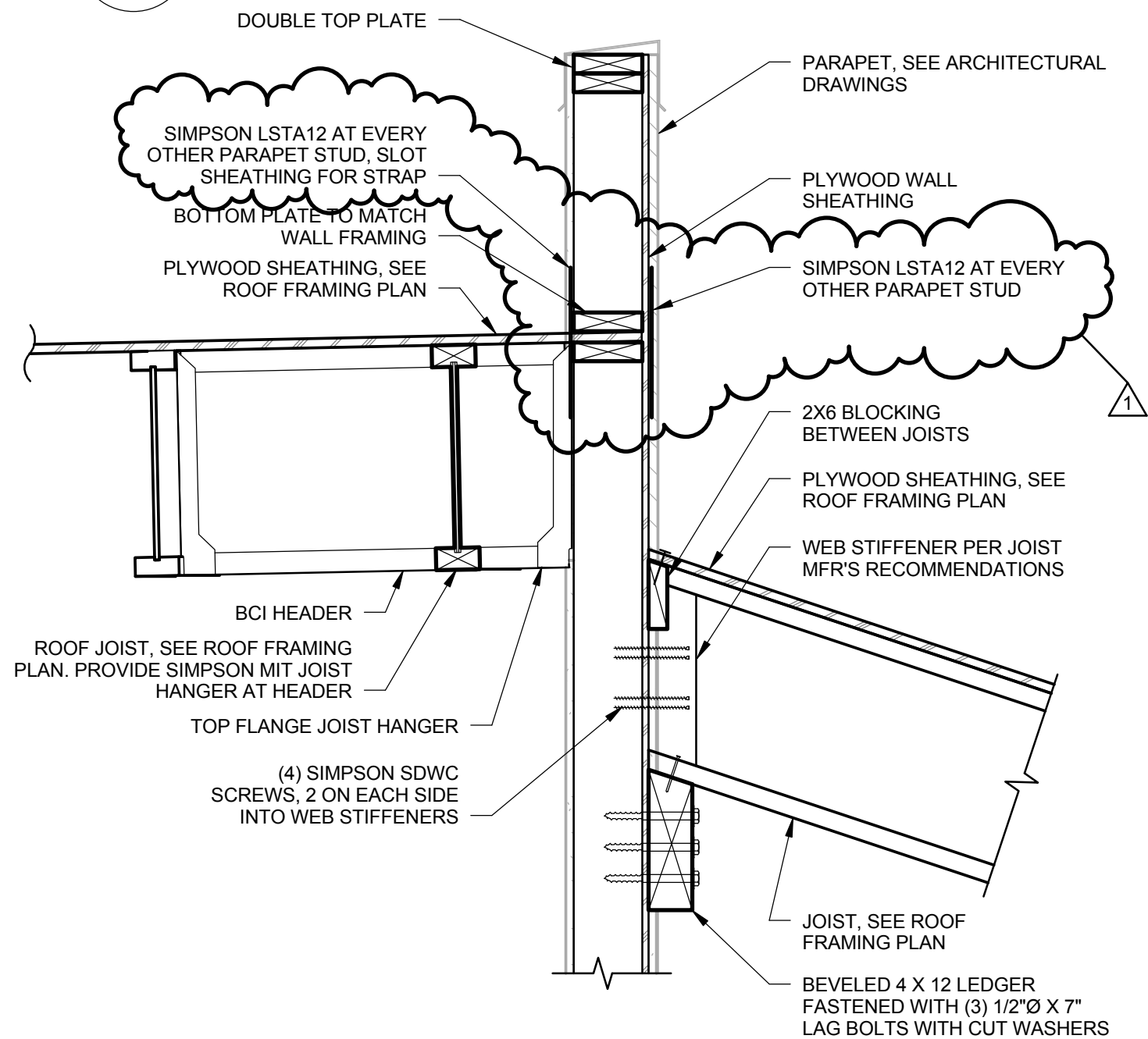
1 ROOF - BCI JOIST AT EXTERIOR WALL

S6.1 1" = 1'-0"



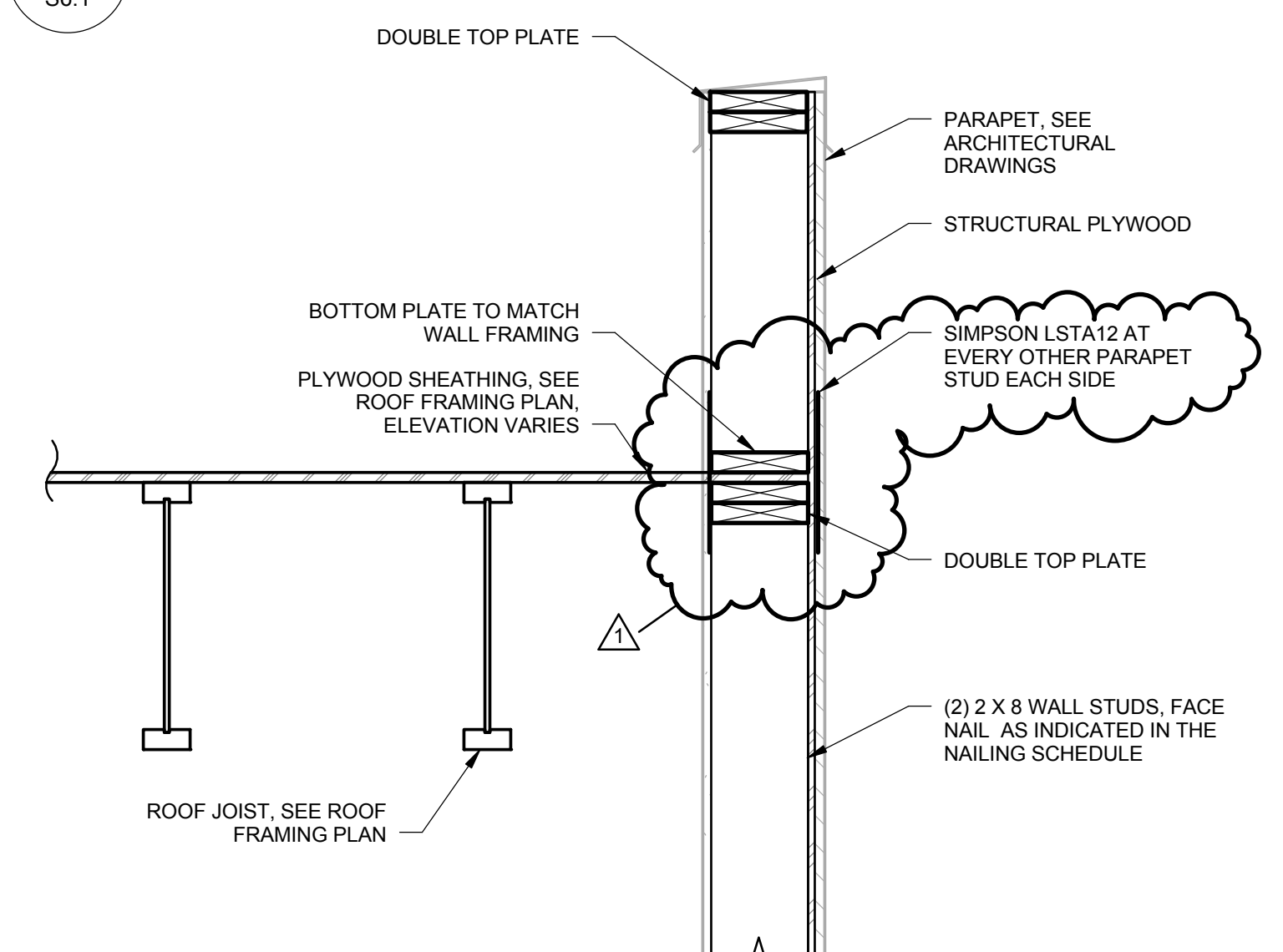
8 ROOF - BCI JOISTS ALONG EXISTING WALL

S6.1 1" = 1'-0"



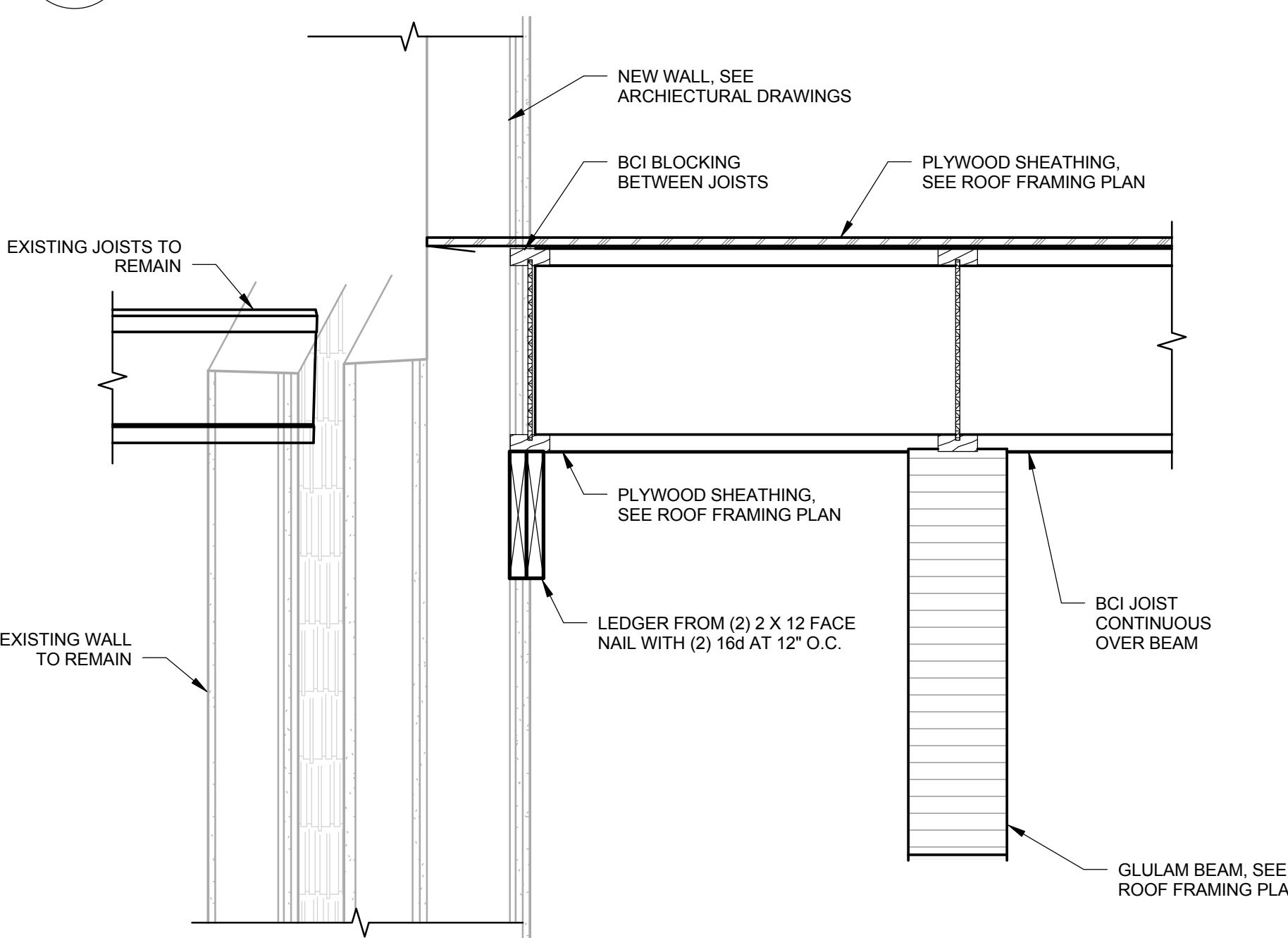
5 ROOF - SLOPED BCI AT SOUTH PARAPET

S6.1 1" = 1'-0"



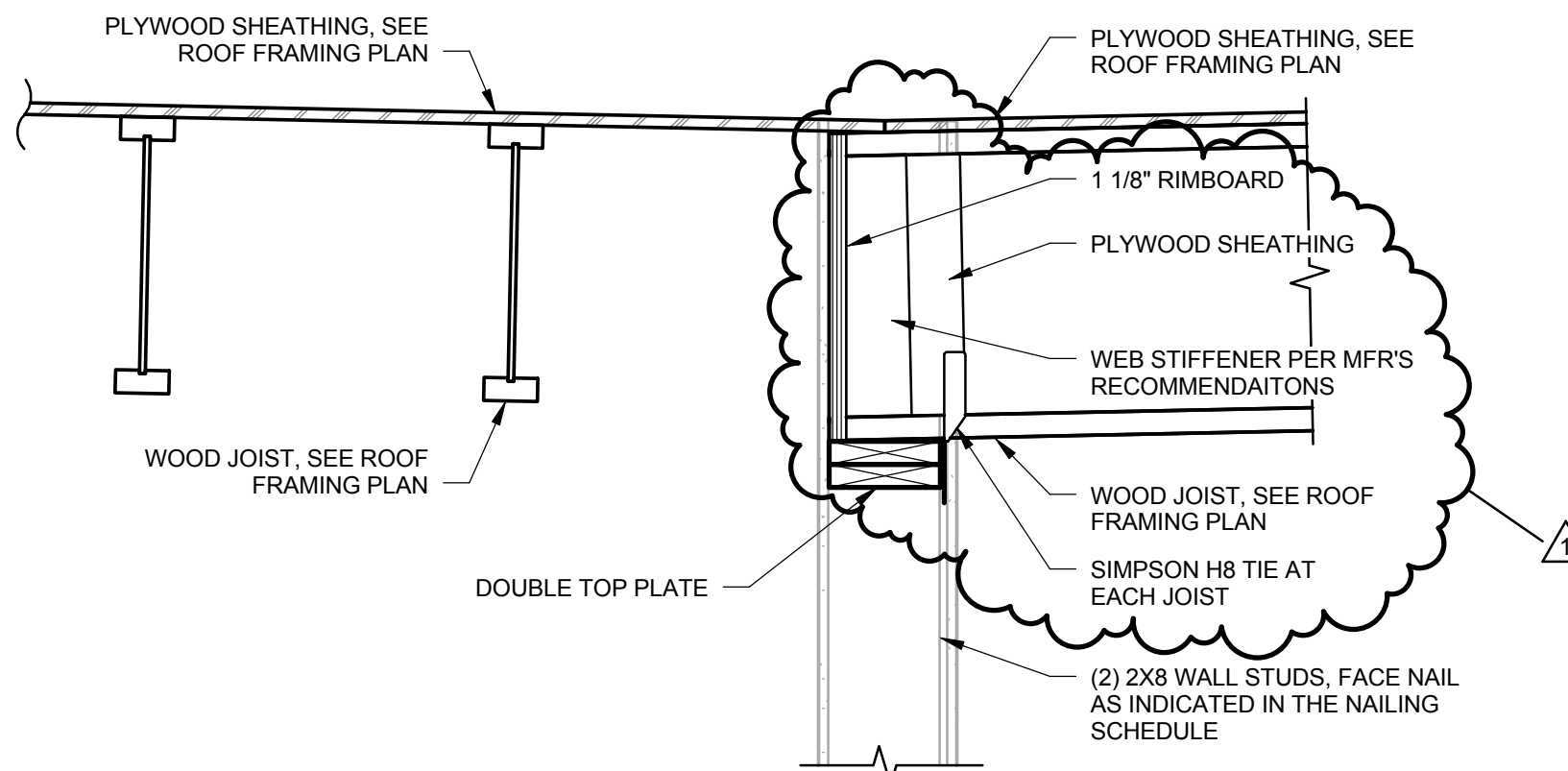
2 ROOF - BCI JOISTS PARALLEL TO EXTERIOR WALL

S6.1 1" = 1'-0"



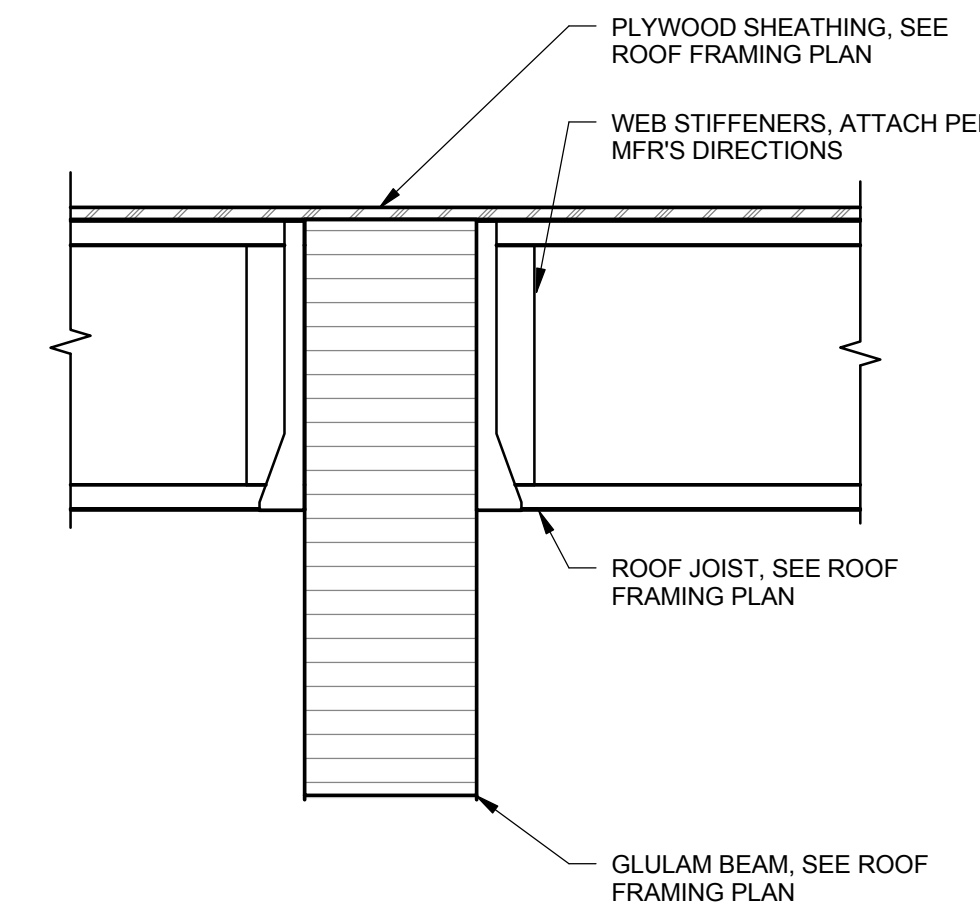
9 ROOF - NEW FRAMING AT EXISTING

S6.1 1" = 1'-0"



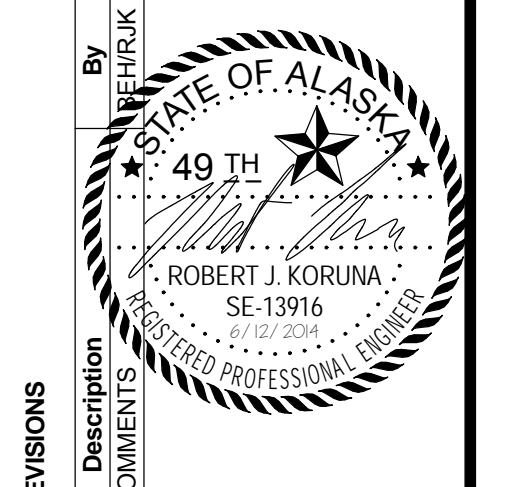
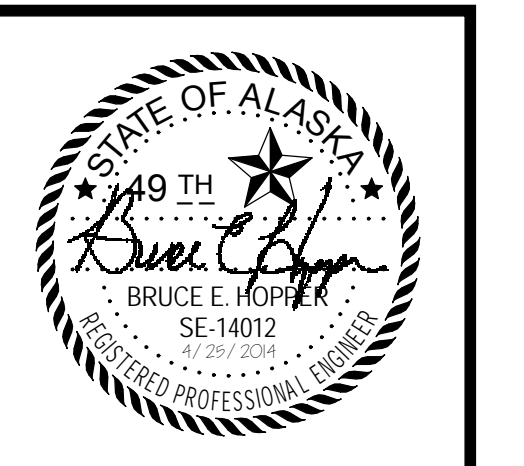
6 ROOF - SLOPED GLULAM BEAM AT STEEL COLUMN

S6.1 1" = 1'-0"



3 ROOF - WOOD JOISTS AT GLULAM BEAM

S6.1 1" = 1'-0"



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| 1 | IMDA REVIEW COMMENTS | 5/17/2014 | REPHRIK |

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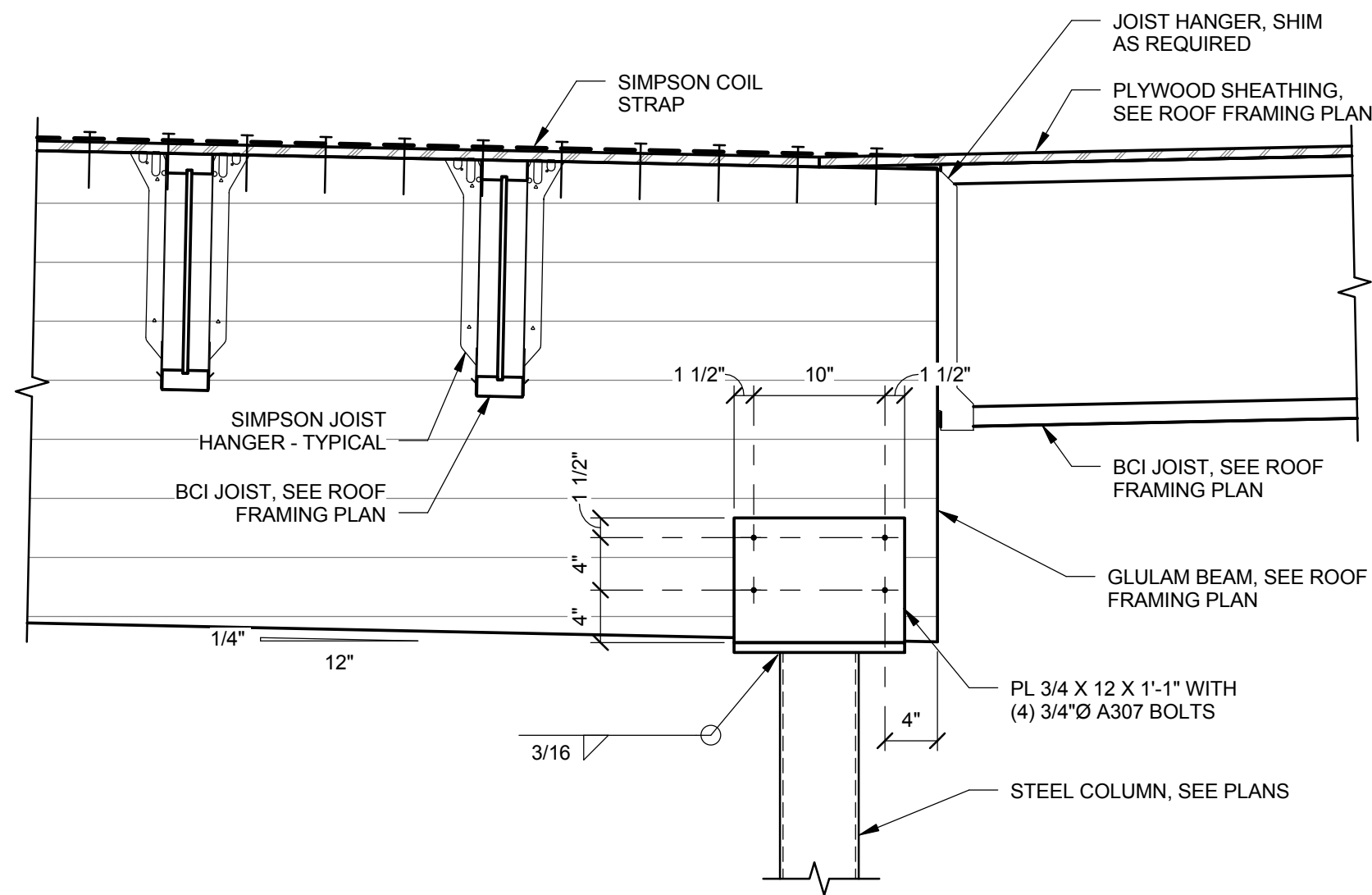
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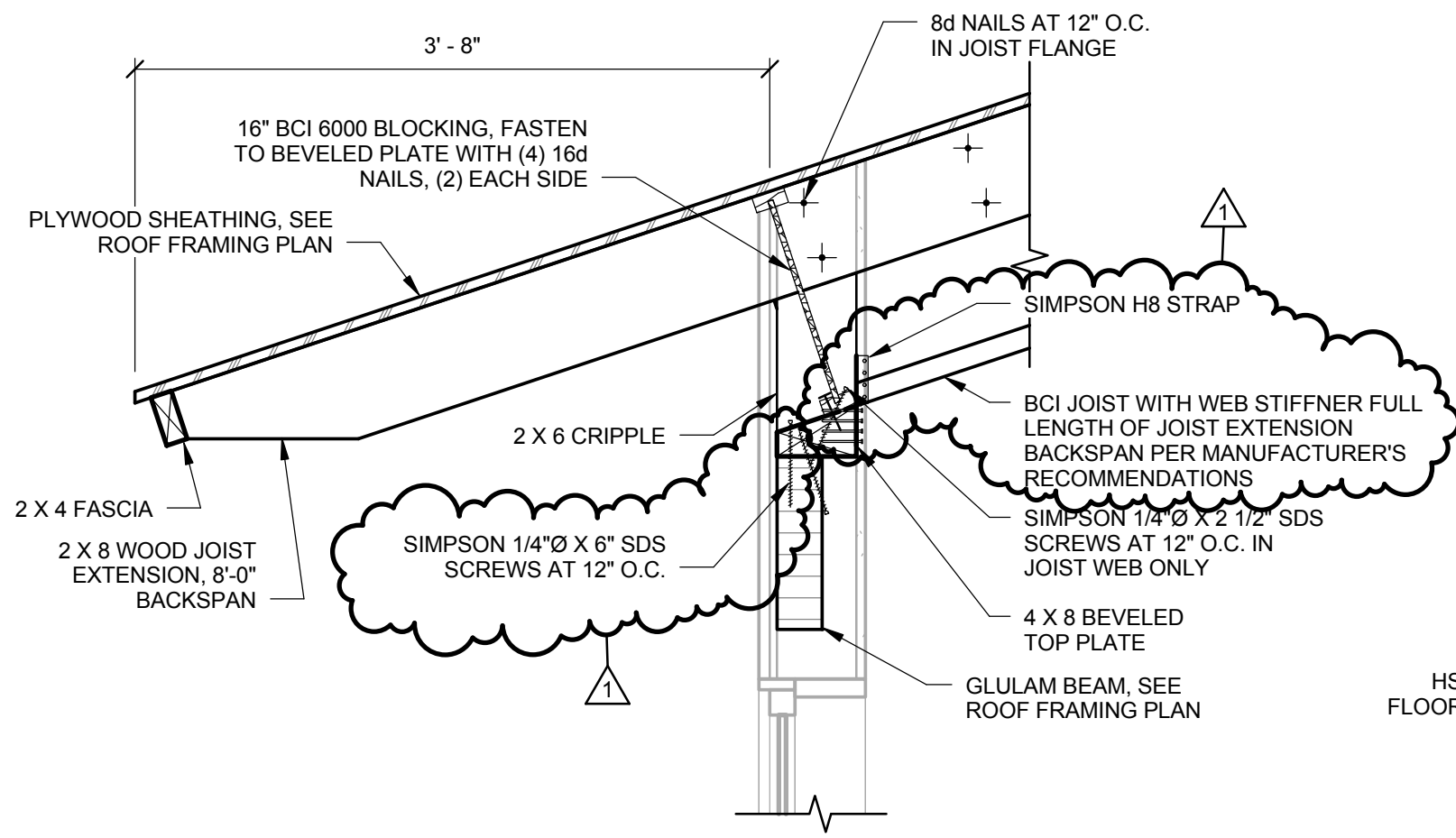
Sheet Contents:
ROOF FRAMING DETAILS

Sheet No.:
S6.1

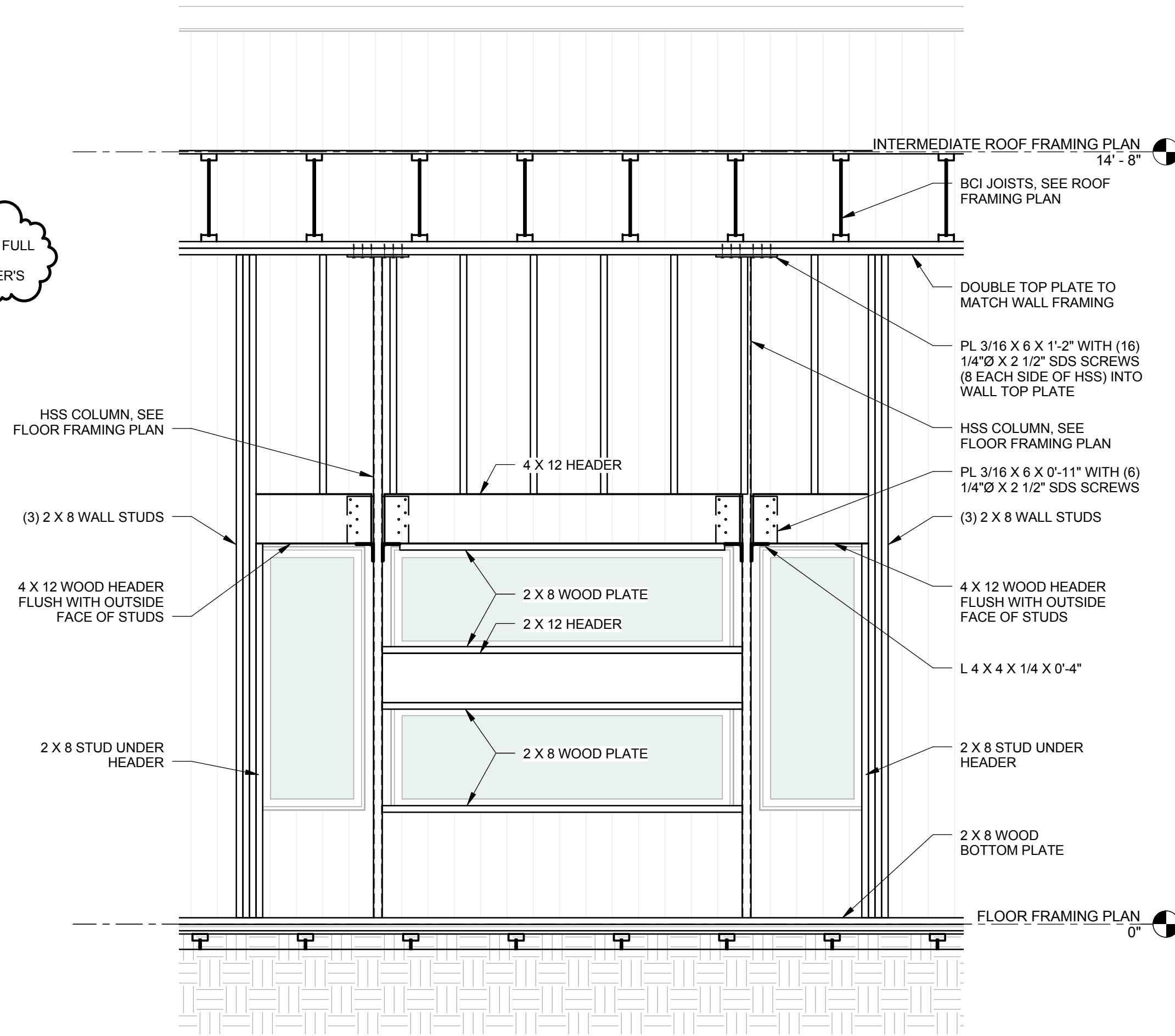
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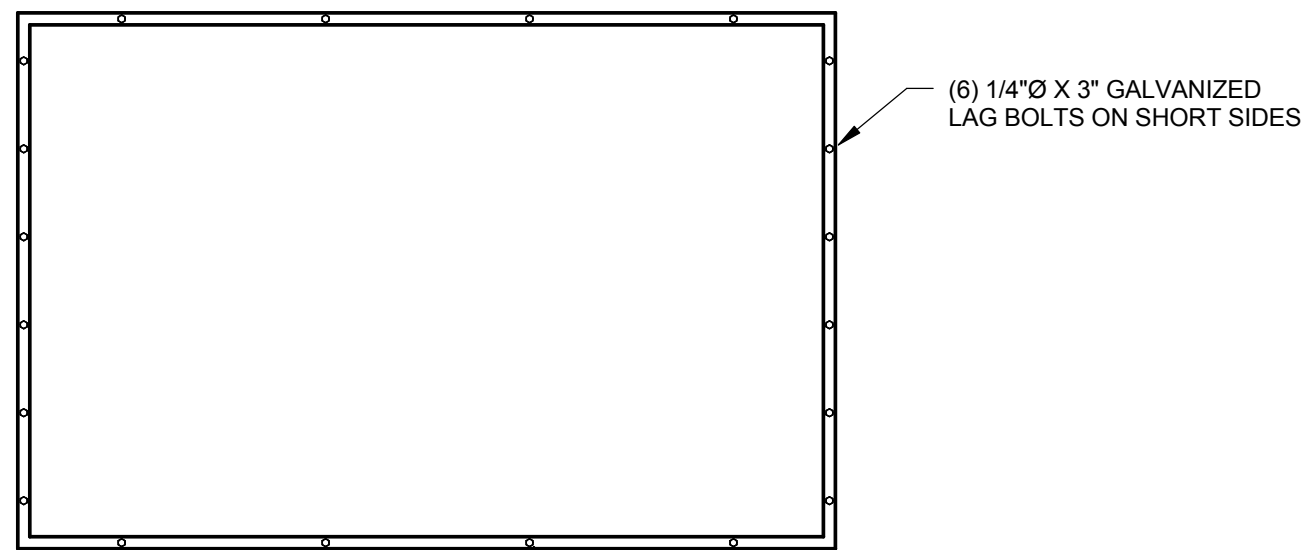
5 ROOF - BCI JOIST AT GLULAM
S6.2 1" = 1'-0"



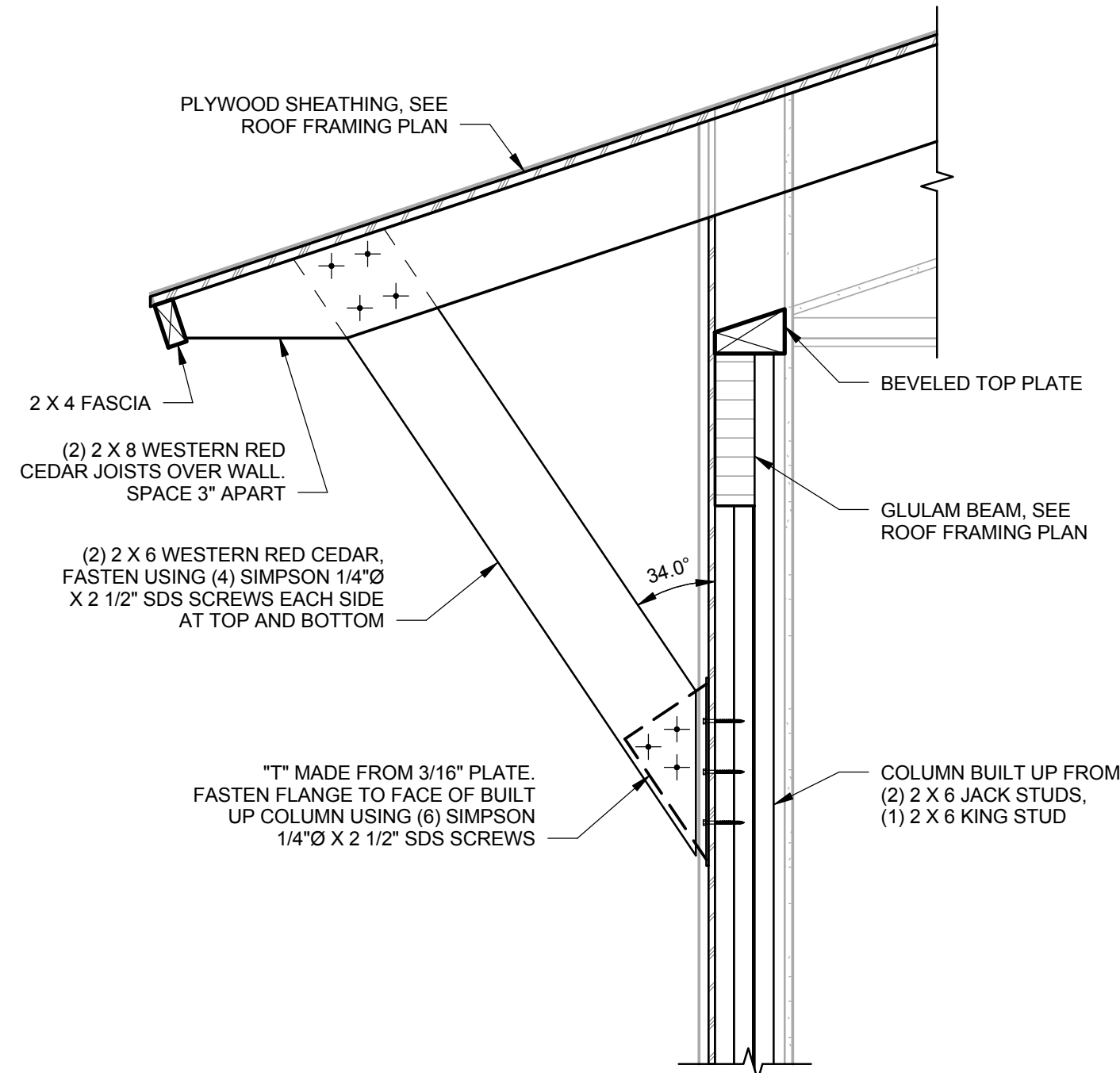
3 ROOF - OUTRIGGERS AT EAVE
S6.2 1" = 1'-0"



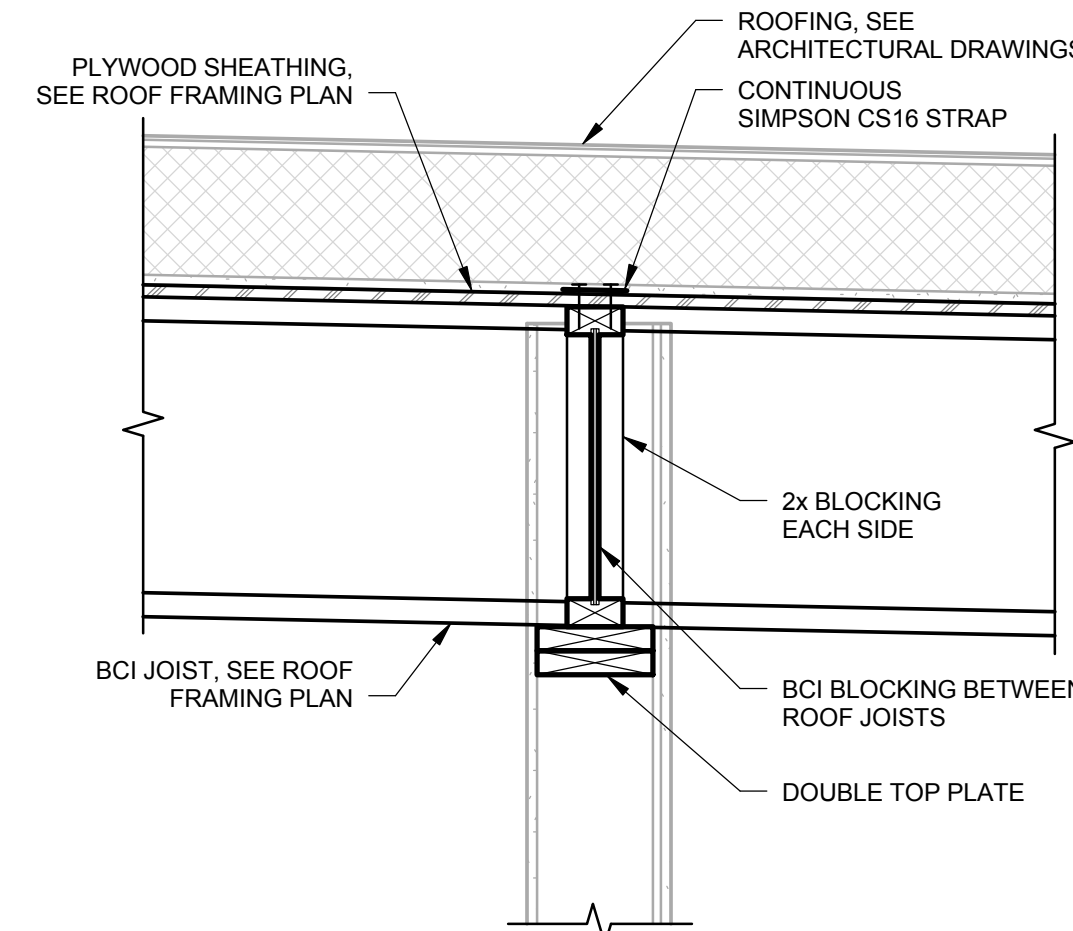
1 LATERAL - WINDOW FRAMING ELEVATION
S6.2 1/2" = 1'-0"



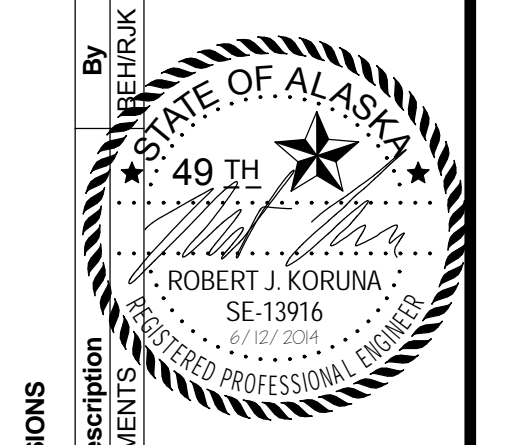
6 AHU MOUNTING DETAIL
S6.2 1/2" = 1'-0"



4 ROOF - OUTRIGGERS AT KICKER
S6.2 1" = 1'-0"



2 LATERAL - SHEAR WALL PERPENDICULAR TO ROOF JOISTS
S6.2 1" = 1'-0"



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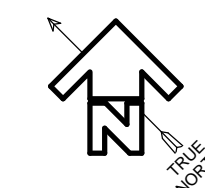
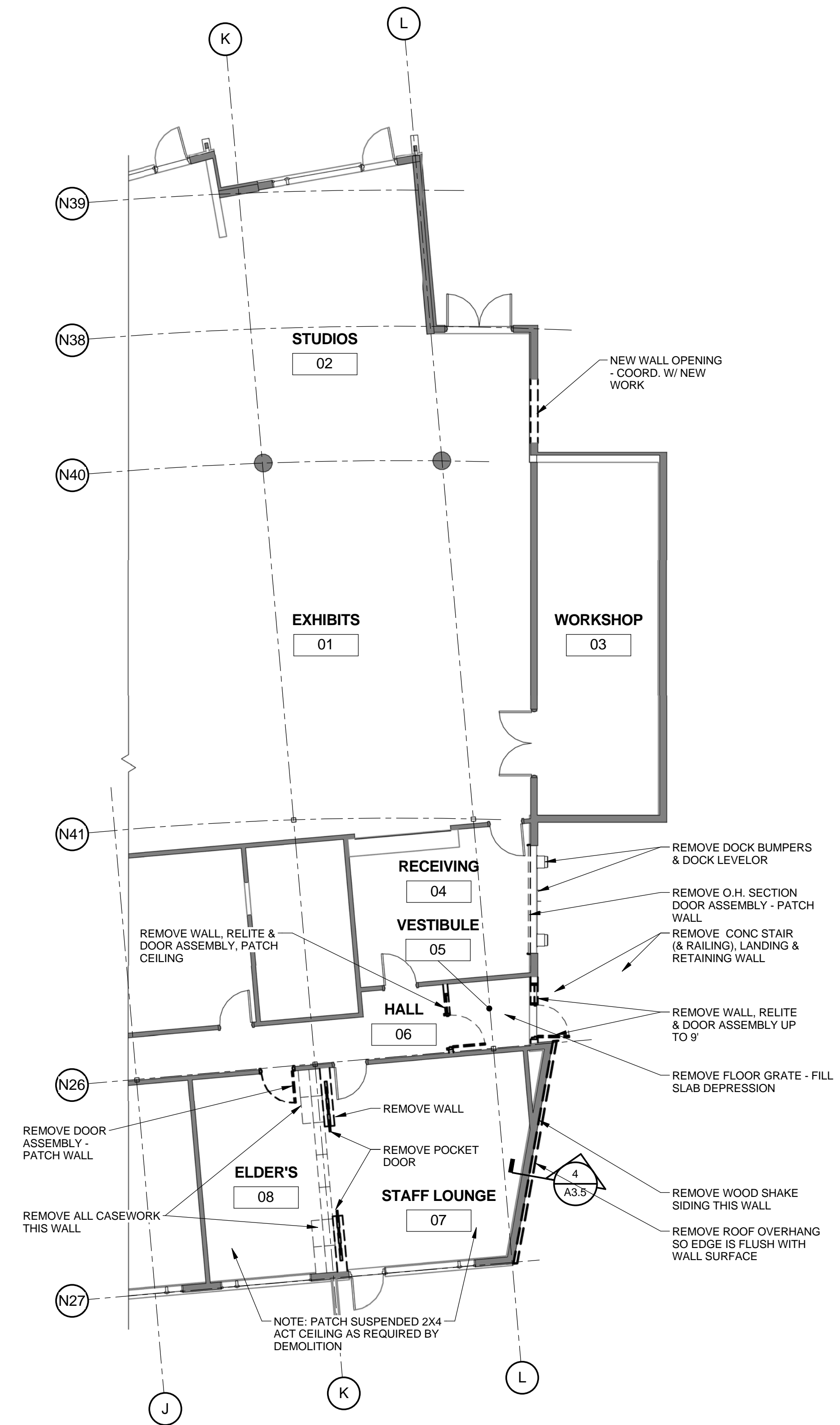
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Sheet Contents:
ROOF FRAMING DETAILS

Sheet No.:
S6.2

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1
A1.1

DEMOLITION PLAN - EXISTING BUILDING

1/8" = 1'-0"



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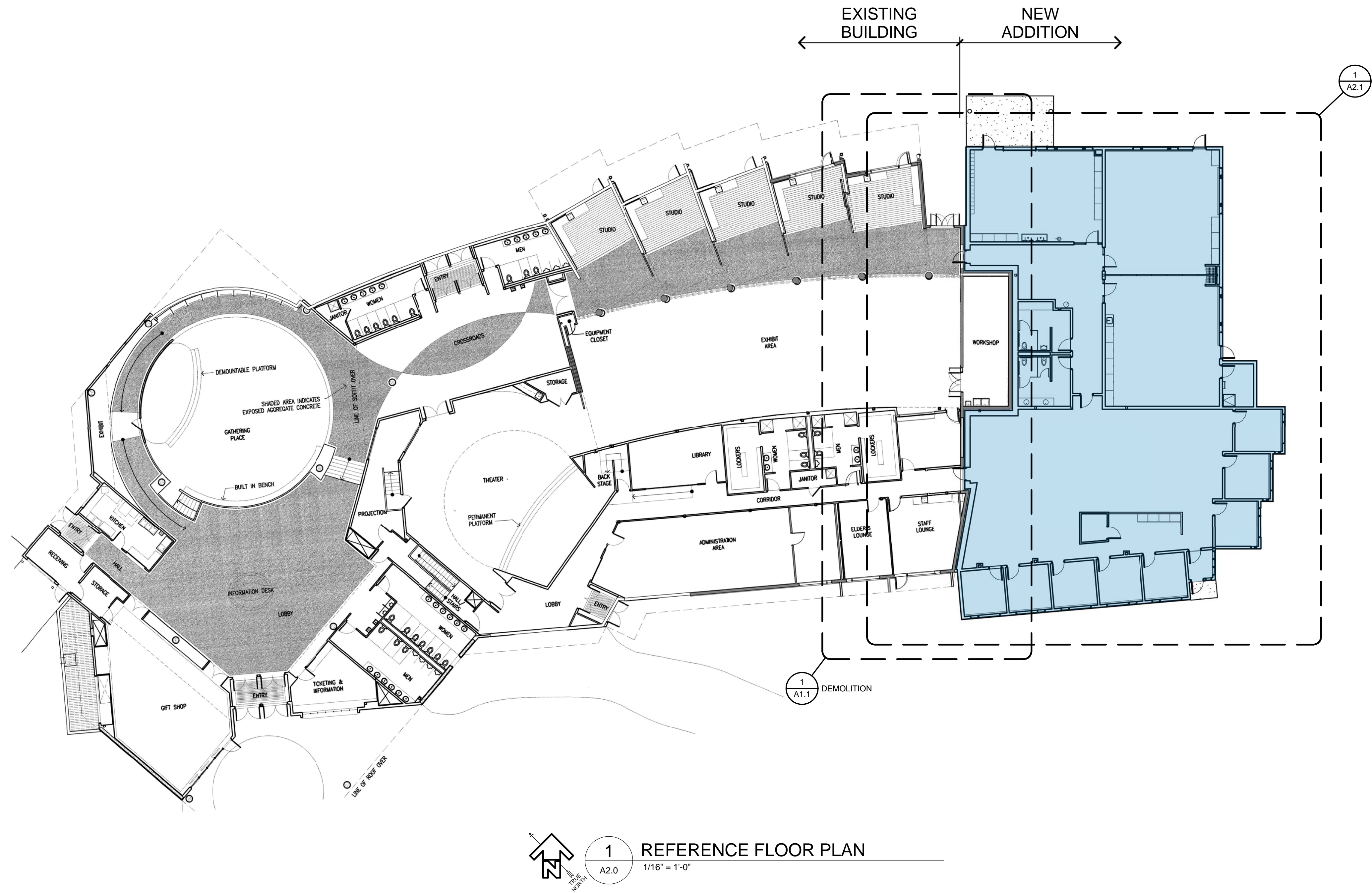
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Sheet Contents:
DEMOLITION PLAN

Sheet No.:

A1.1

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1 REFERENCE FLOOR PLAN
A2.0 1/16" = 1'-0"



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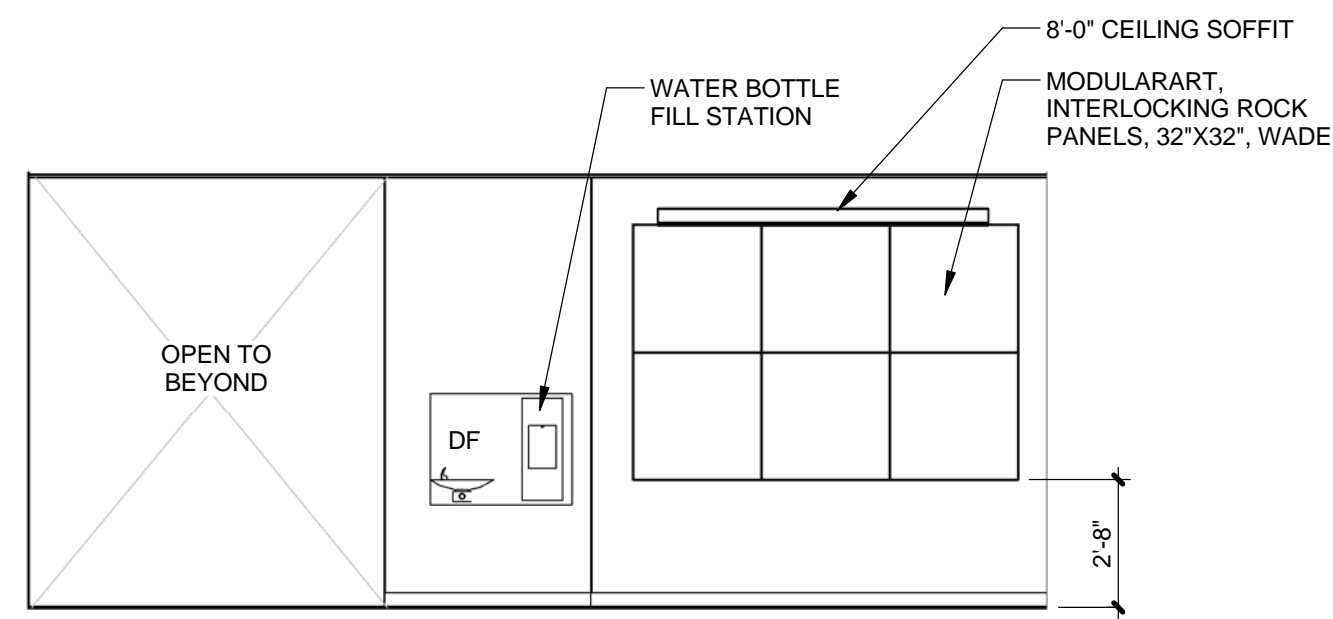
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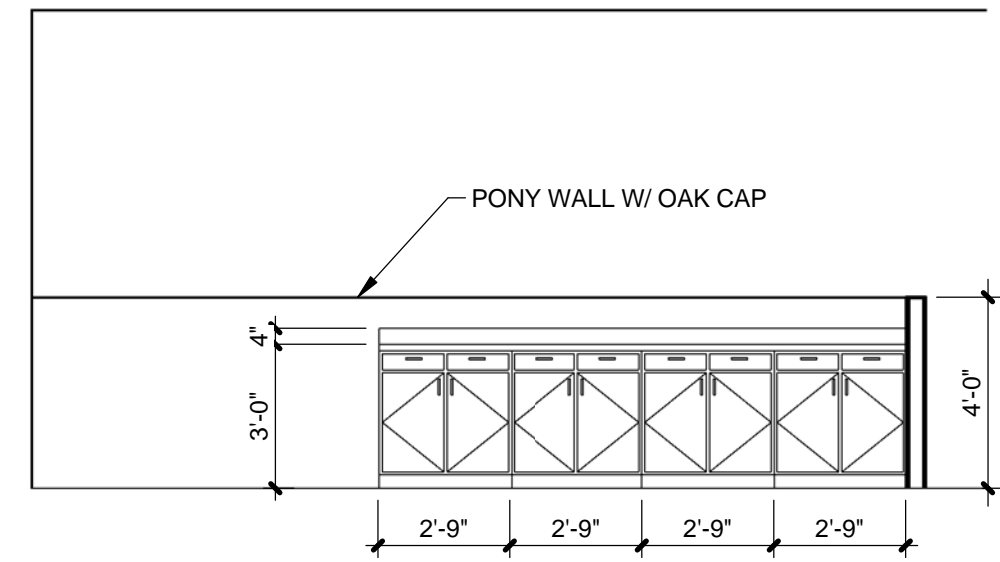
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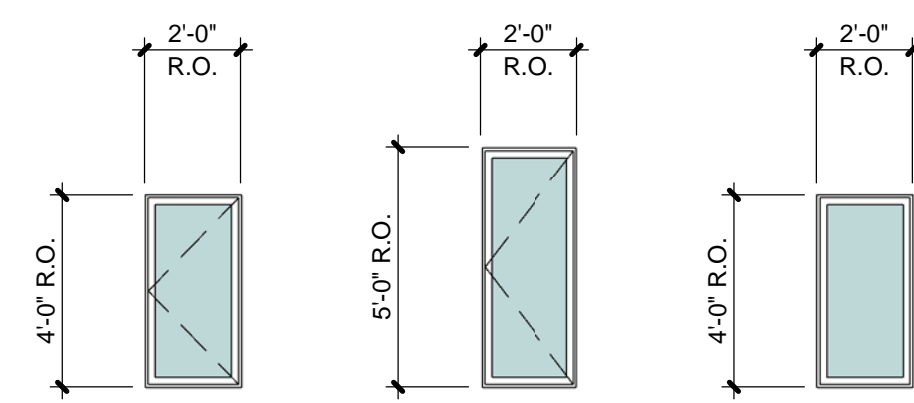
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A2.0



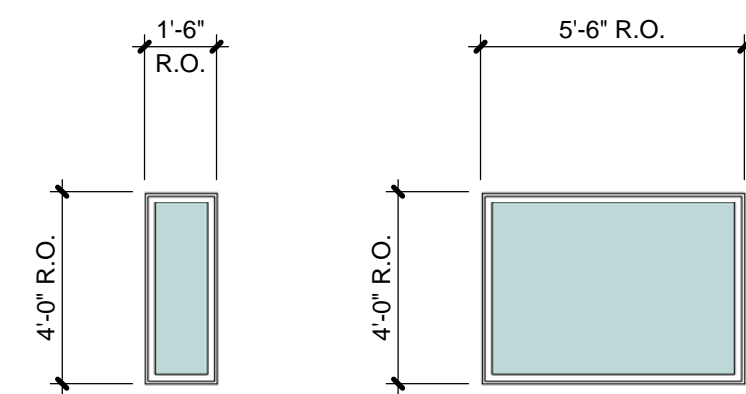
2 INTERIOR ELEVATION - 117 S
A2.1 1/4" = 1'-0"



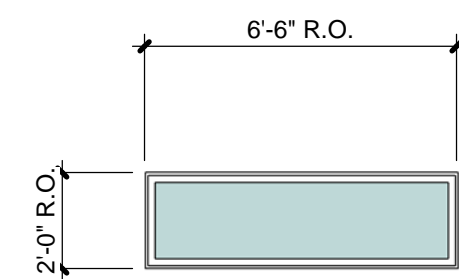
3 WORK/COPIER 110
A2.1 1/4" = 1'-0"



W1 VINYL CASEMENT
W2 VINYL CASEMENT
W3 VINYL FIXED



W4 VINYL FIXED
W5 VINYL FIXED



W6 VINYL FIXED

WINDOW TYPES



1 FLOOR PLAN - ADDITION
A2.1 1/8" = 1'-0"

GENERAL NOTES:
1. DIMENSION ARE TO FACE OF SHEATHING @ EXTERIOR WALL & FACE OF STUD @ INTERIOR WALL, U.O.N.



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| 1 | PERMIT CHANGES | |
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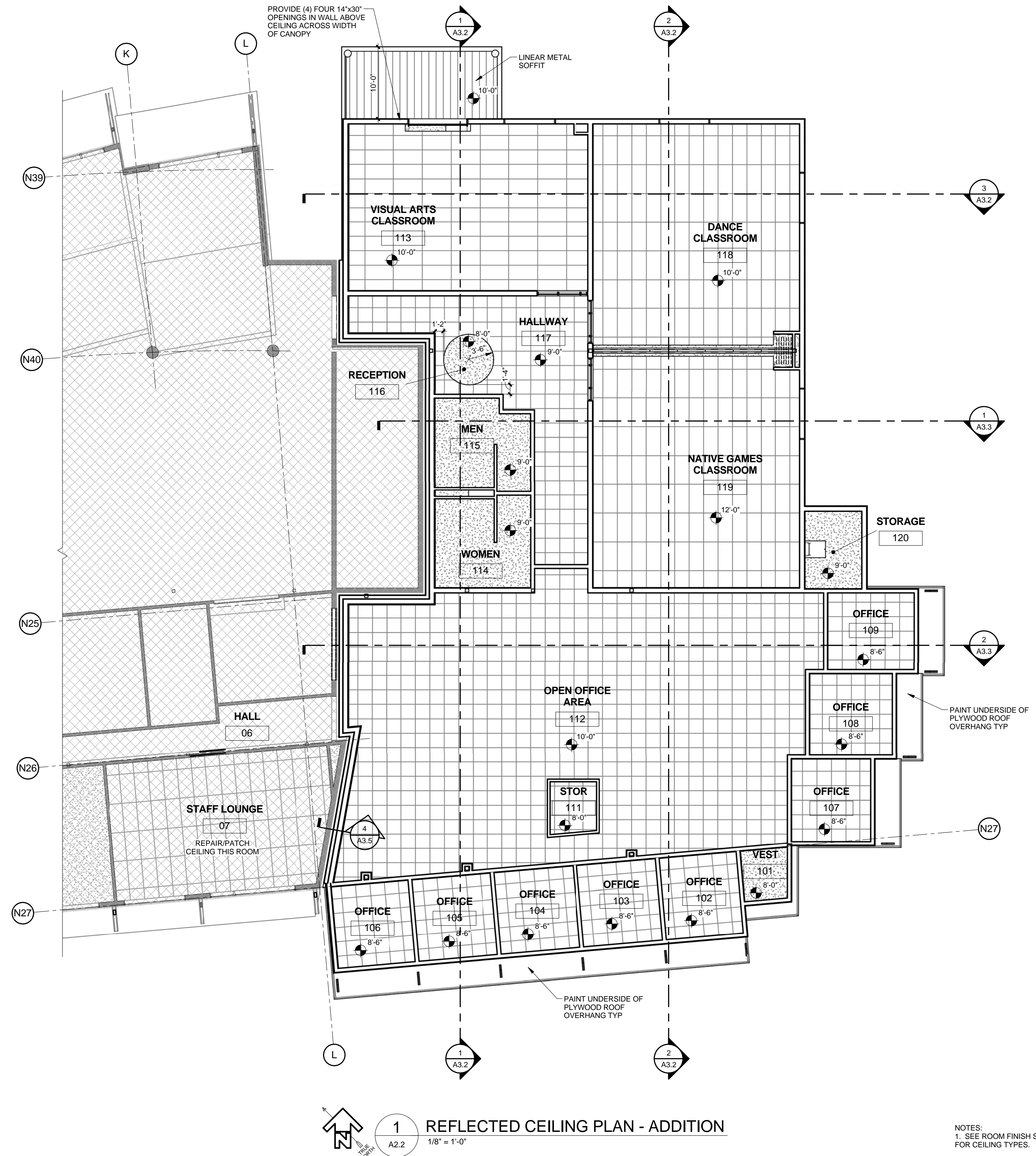
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Sheet Contents:
FLOOR PLAN - ADDITION

Sheet No.:
A2.1



1 REFLECTED CEILING PLAN - ADDITION
 1/8" = 1'-0"

NOTES:
 1. SEE ROOM FINISH SCHEDULE FOR CEILING TYPES.



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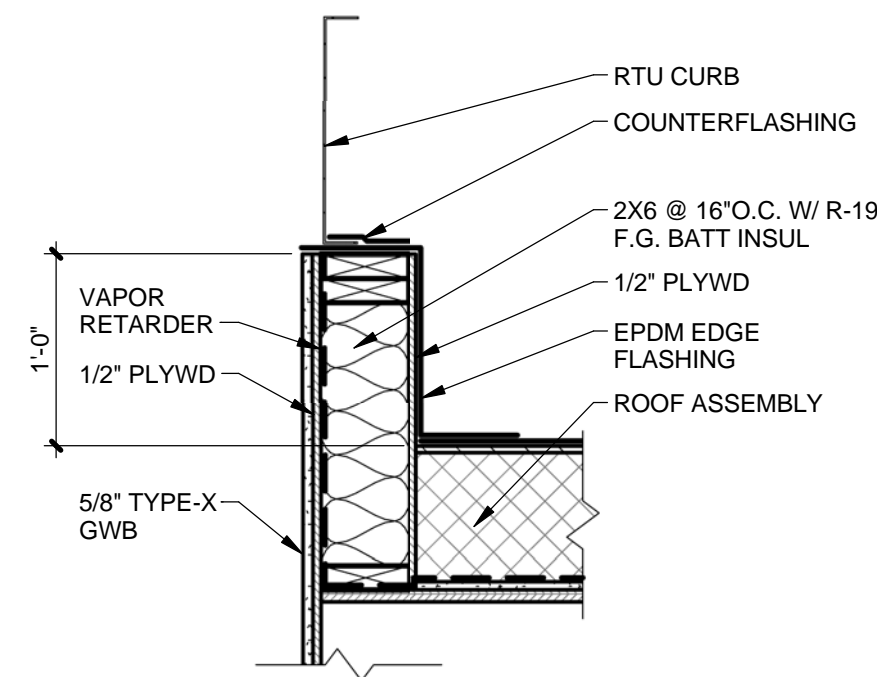
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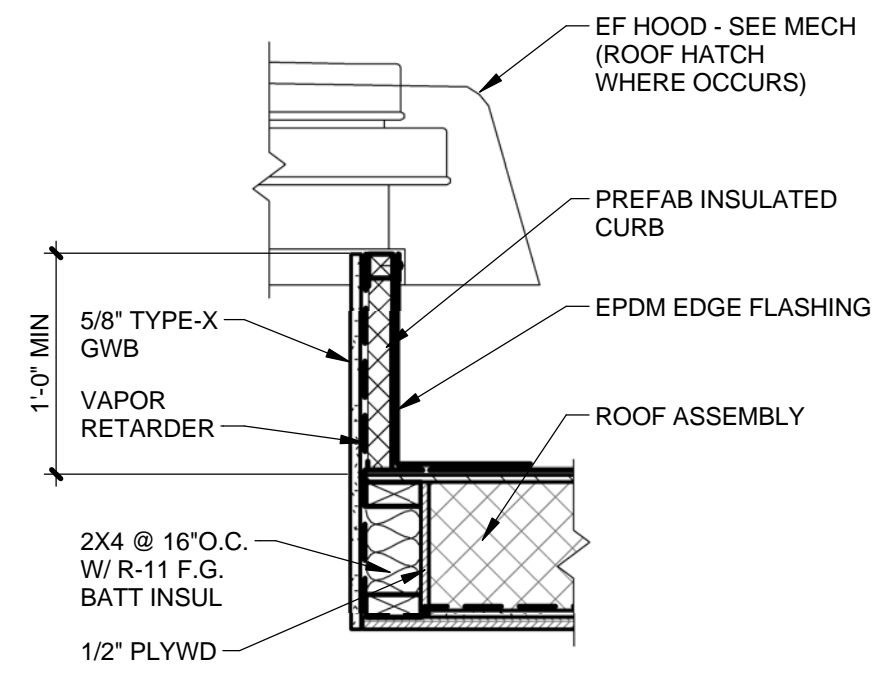
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REFLECTED CEILING PLAN - ADDITION

Sheet No.:
A2.2

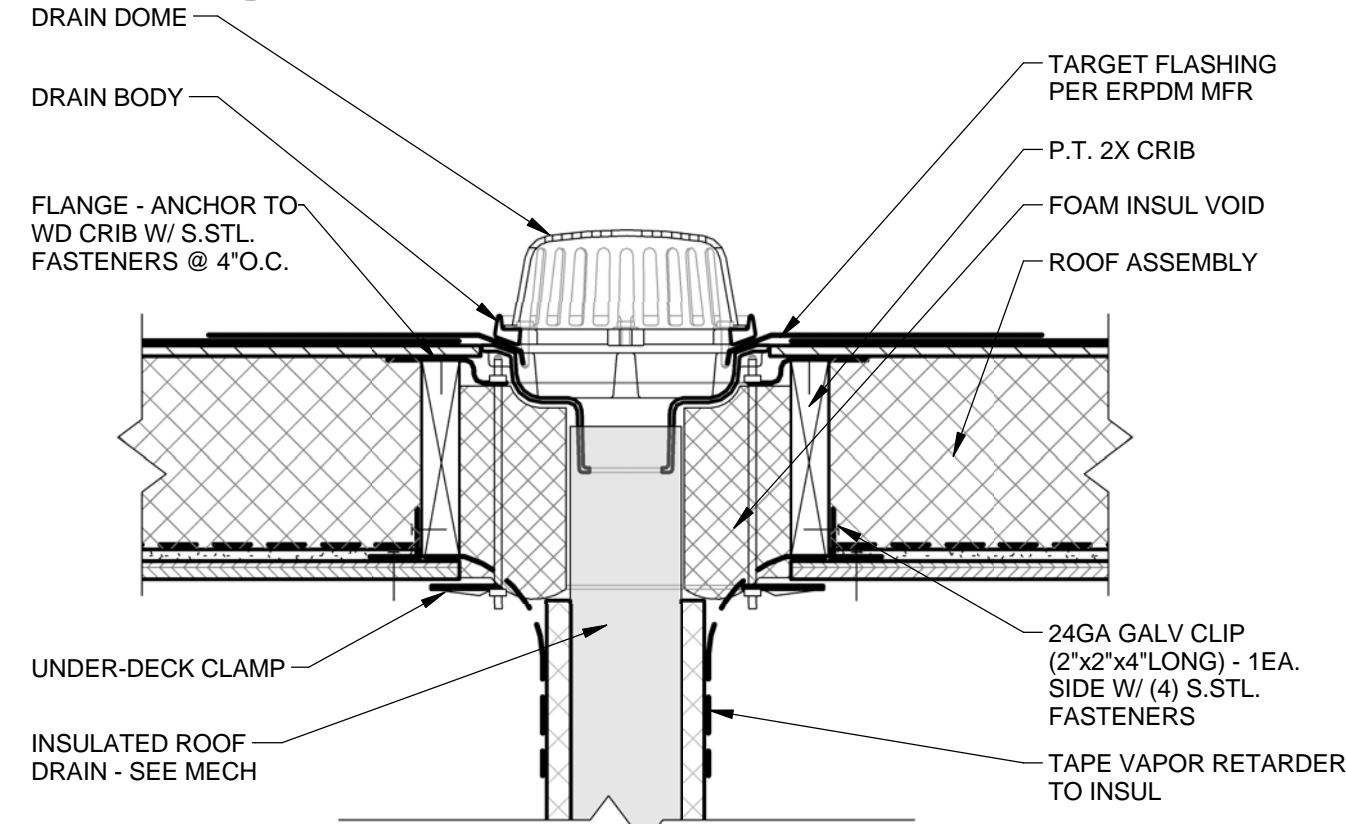
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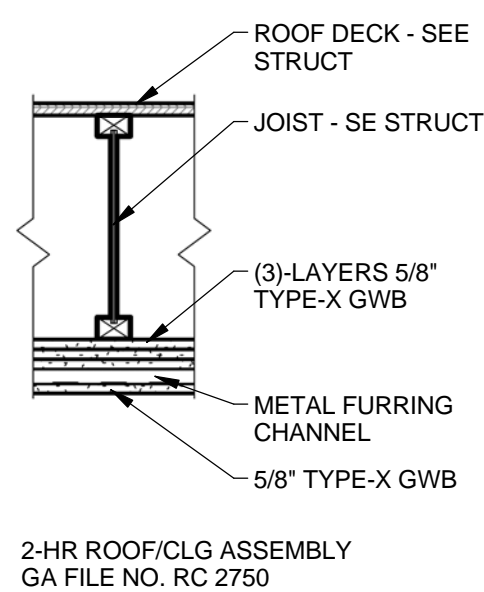
2 2X6 CURB
A2.3 1" = 1'-0"



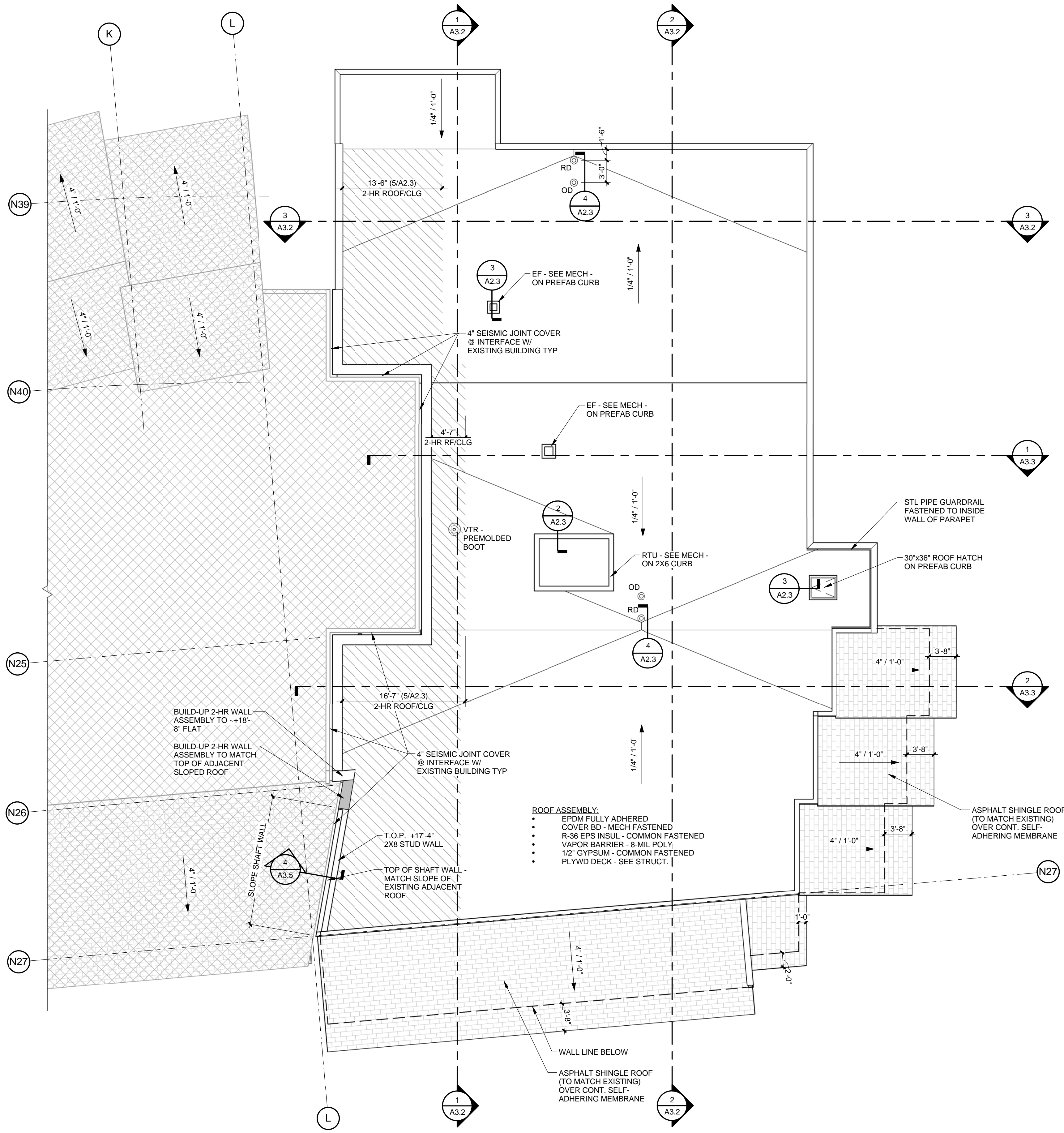
3 EF CURB
A2.3 1" = 1'-0"



4 ROOF DRAIN (OD SIM)
A2.3 1 1/2" = 1'-0"



5 2-HR ROOF/CLG
A2.3 1" = 1'-0"



- ROOF ASSEMBLY:**
- EPDM FULLY ADHERED
 - COVER BD - MECH FASTENED
 - R-36 EPS INSUL - COMMON FASTENED
 - VAPOR BARRIER - 8-MIL POLY
 - 1/2\"/>

1 ROOF PLAN - ADDITION
A2.3 1/8" = 1'-0"



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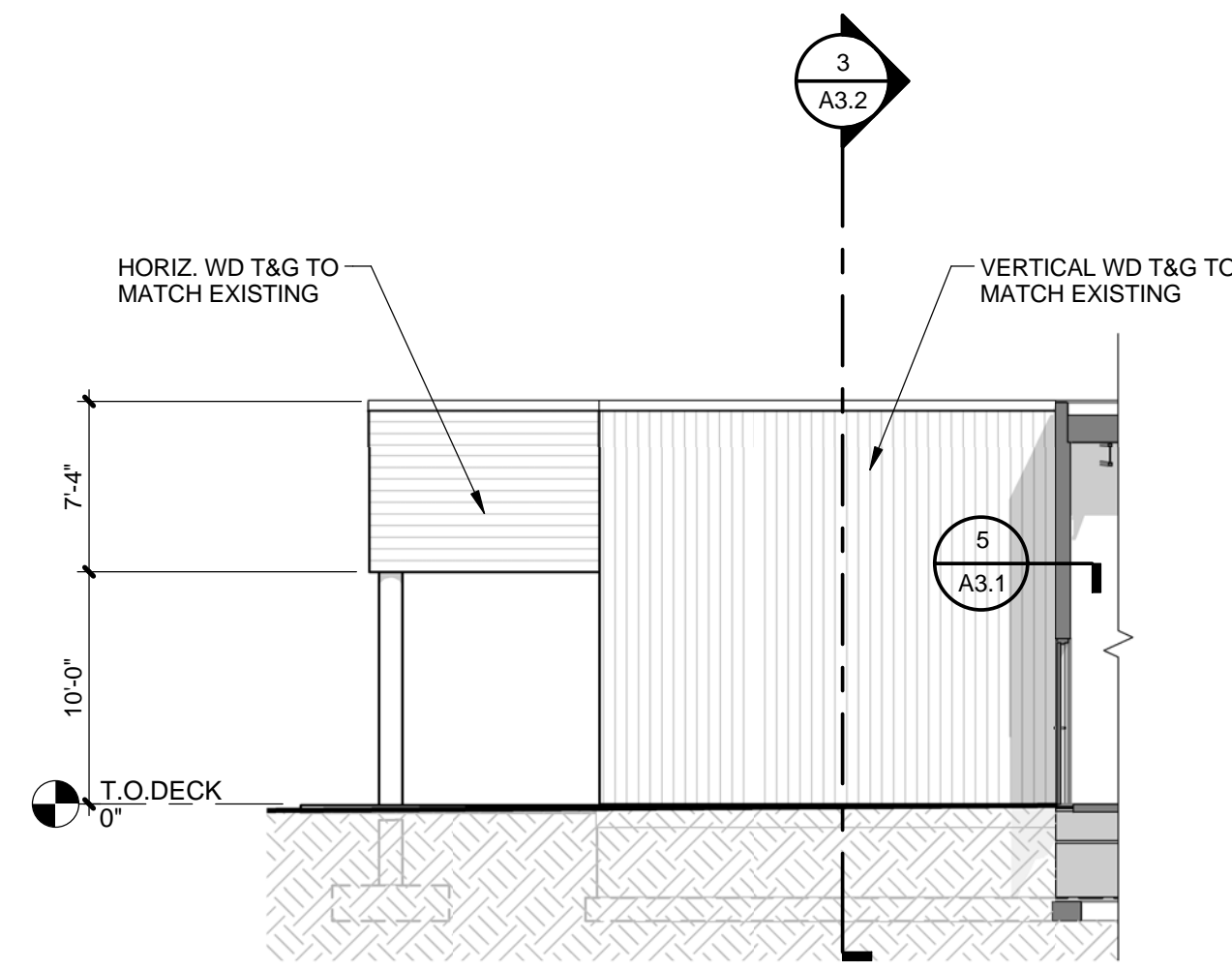
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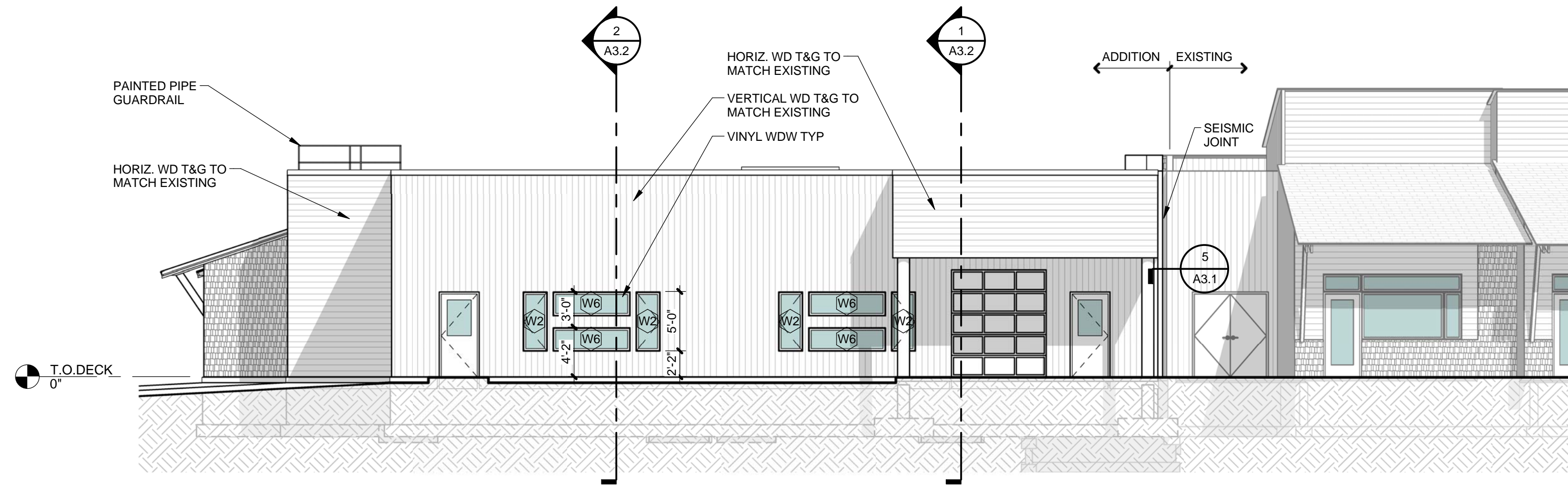
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ROOF PLAN - ADDITION

Sheet No.:
A2.3

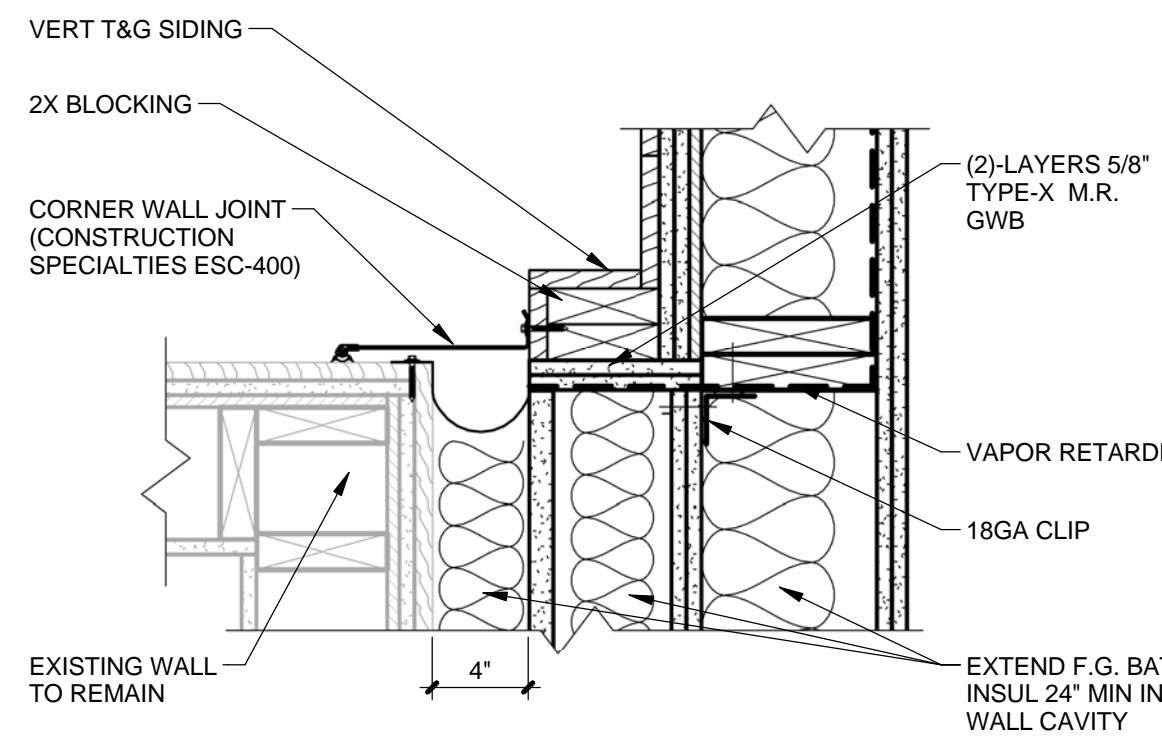
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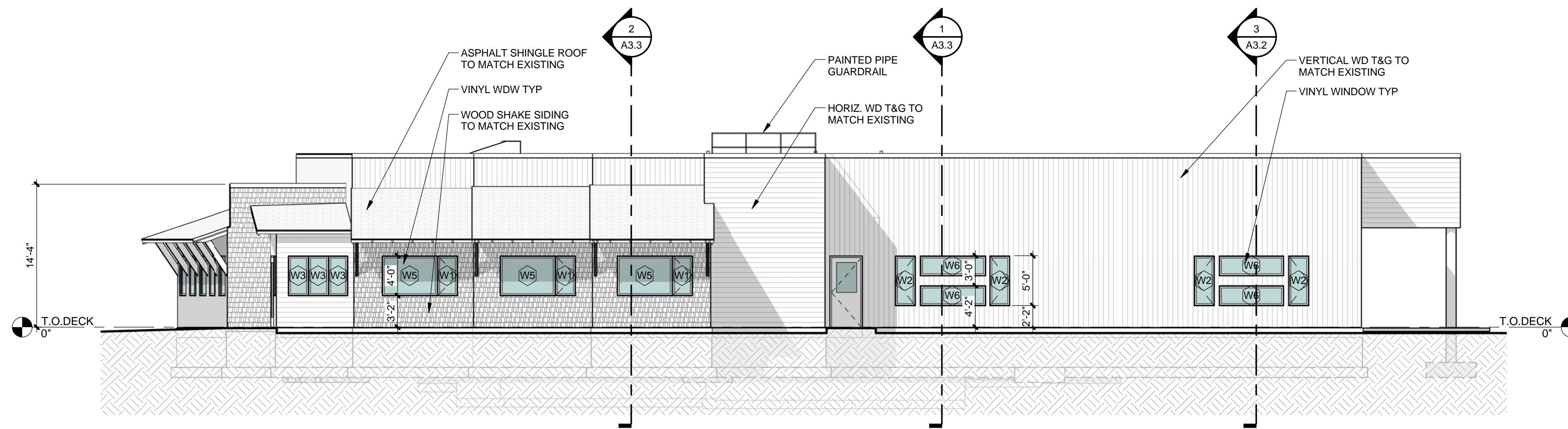
4 EXTERIOR ELEVATION - WEST
A3.1 1/8" = 1'-0"



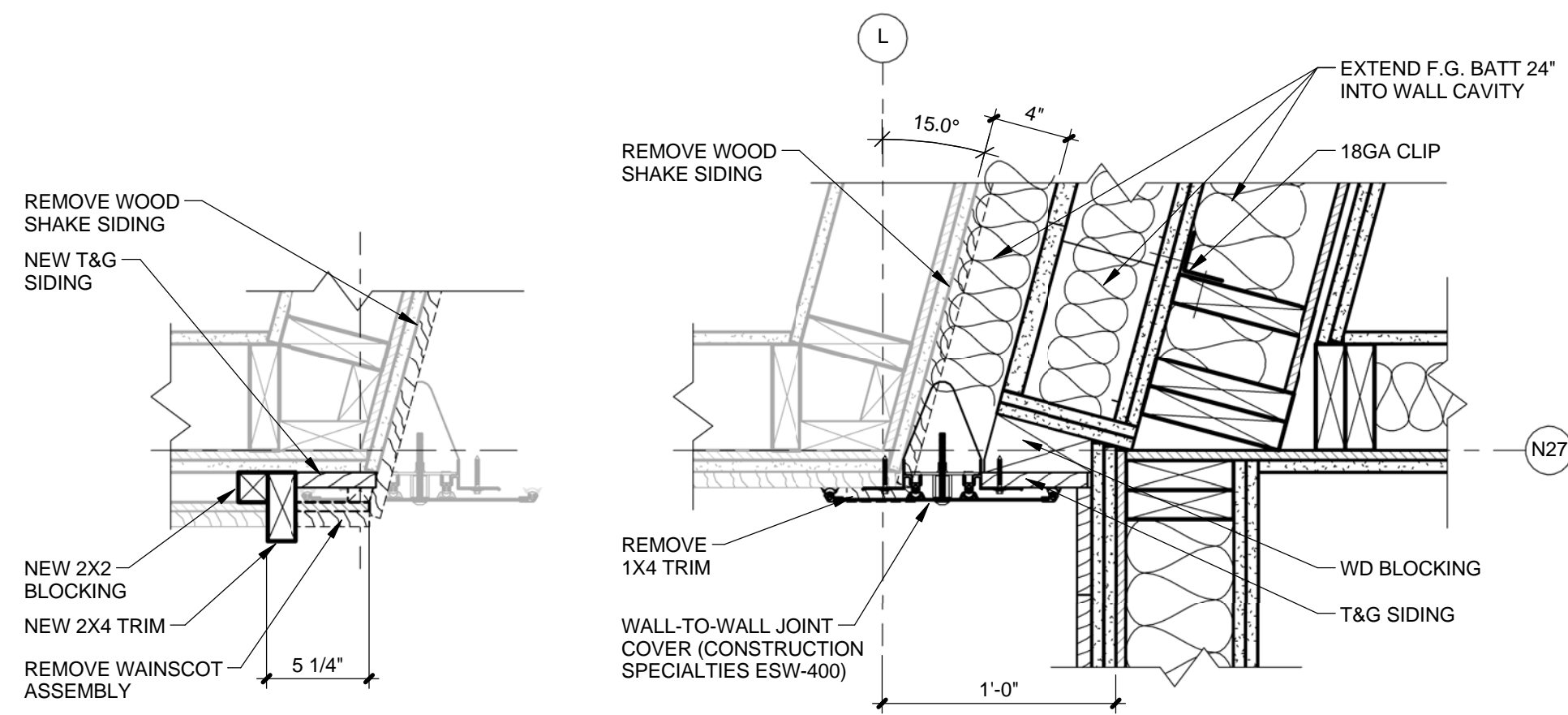
1 EXTERIOR ELEVATION - NORTH
A3.1 1/8" = 1'-0"



5 WALL CORNER JOINT DETAIL
A3.1 1 1/2" = 1'-0"

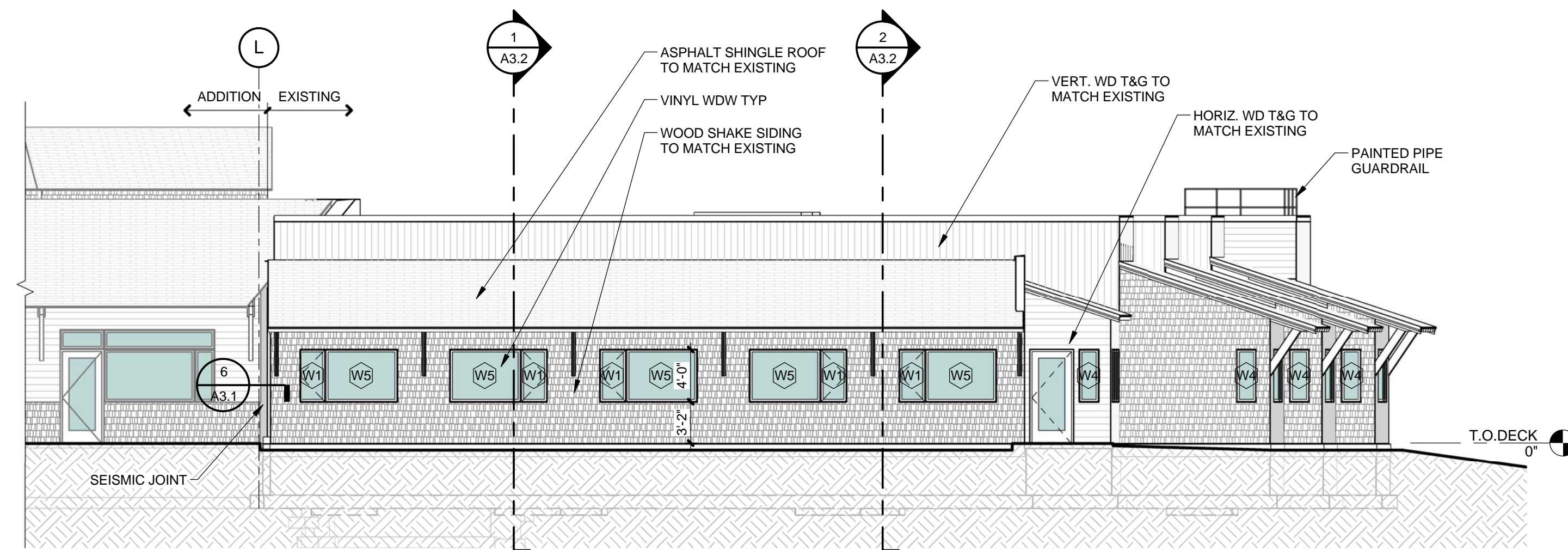


2 EXTERIOR ELEVATION - EAST
A3.1 1/8" = 1'-0"



DETAIL @ WAINSCOT

6 WALL JOINT DETAIL
A3.1 1 1/2" = 1'-0"



3 EXTERIOR ELEVATION - SOUTH
A3.1 1/8" = 1'-0"



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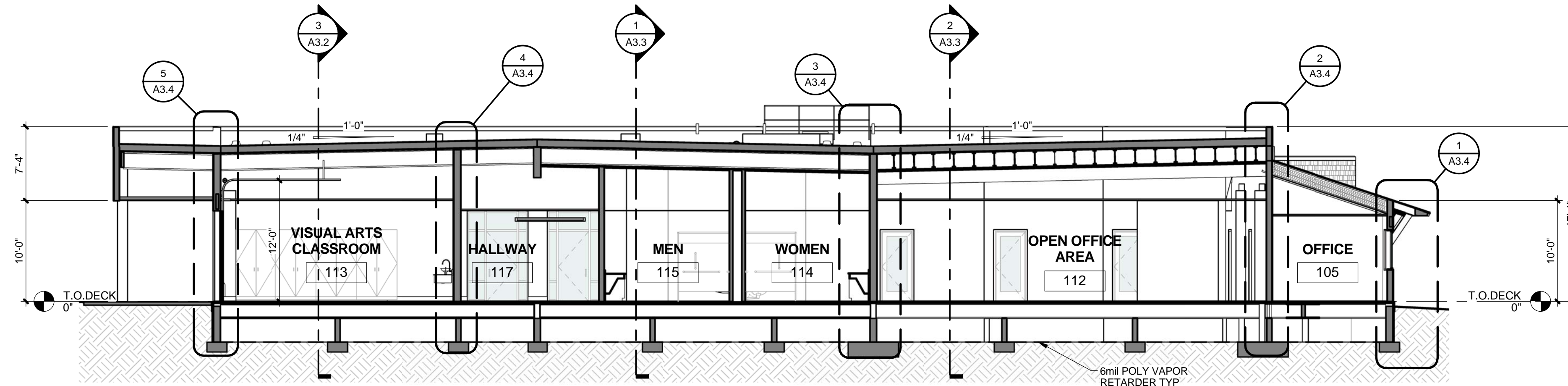
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Sheet Contents:
EXTERIOR ELEVATIONS

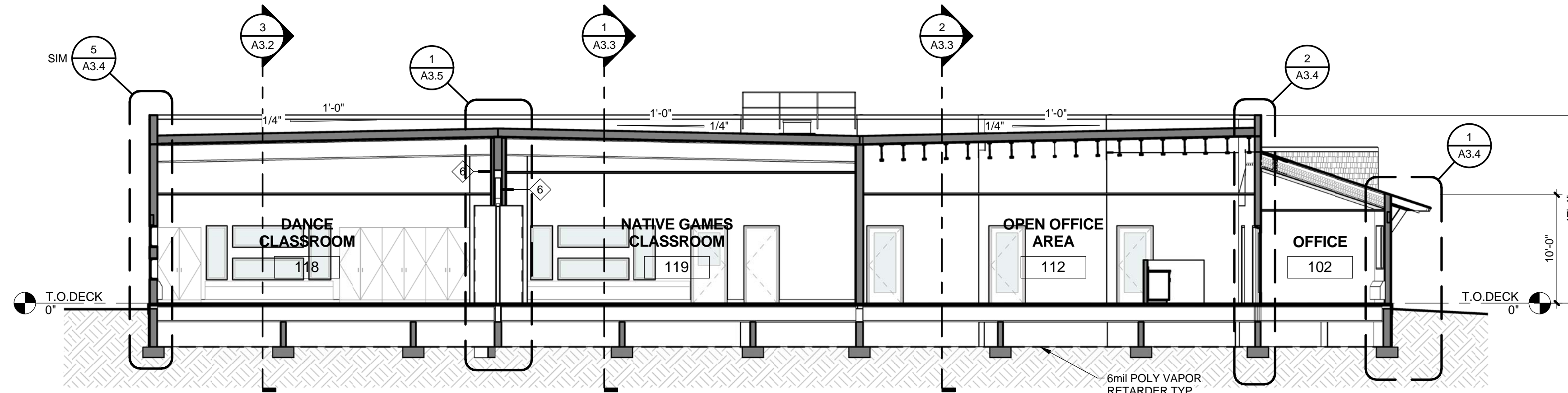
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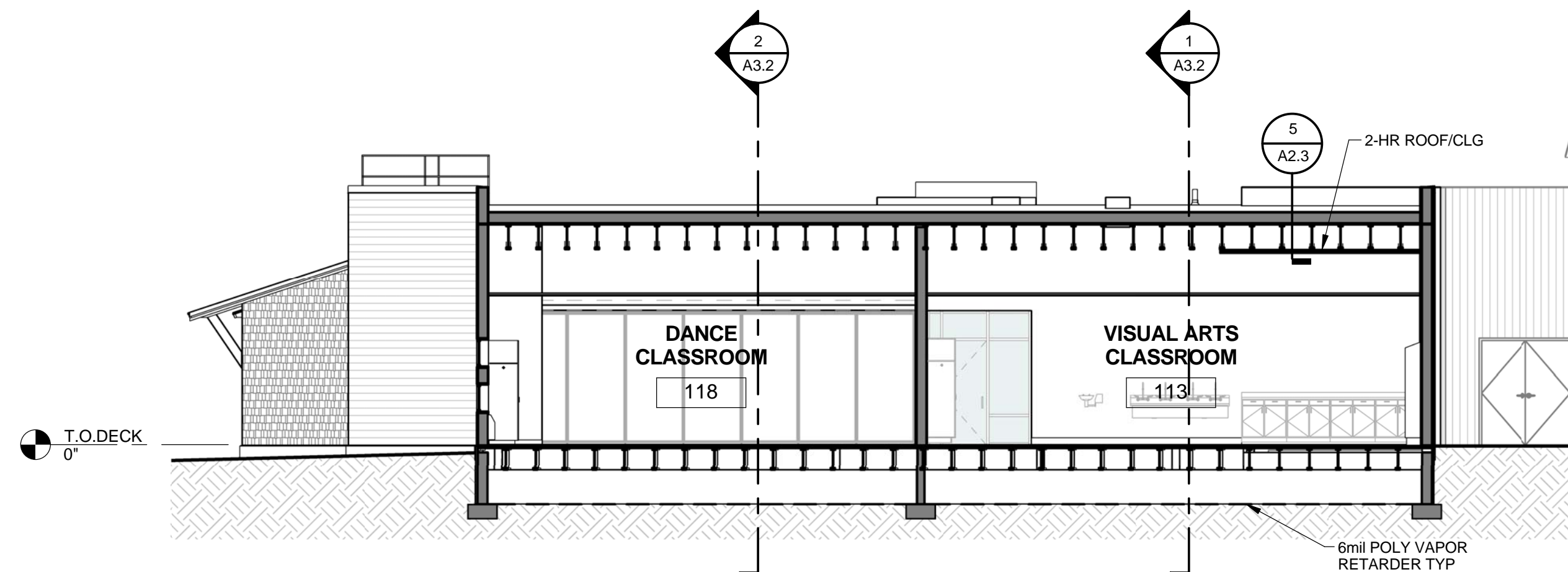
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1 BUILDING SECTION - A
A3.2 1/8" = 1'-0"



2 BUILDING SECTION - B
A3.2 1/8" = 1'-0"



3 BUILDING SECTION - C
A3.2 1/8" = 1'-0"



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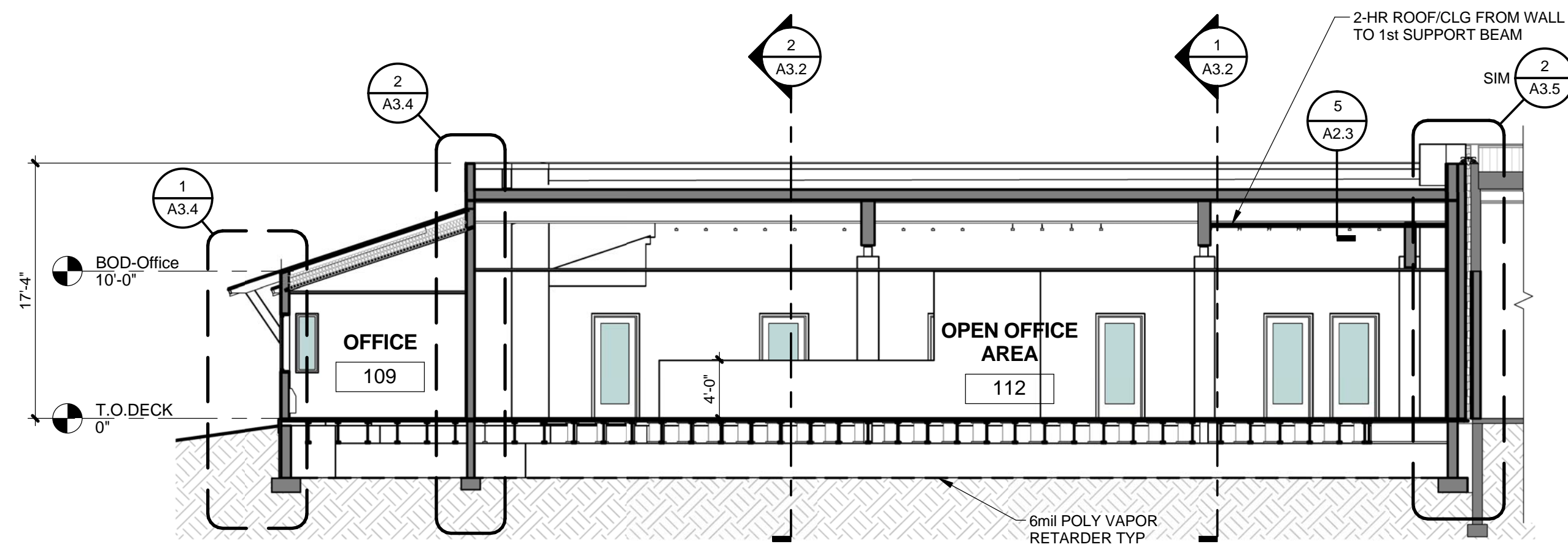
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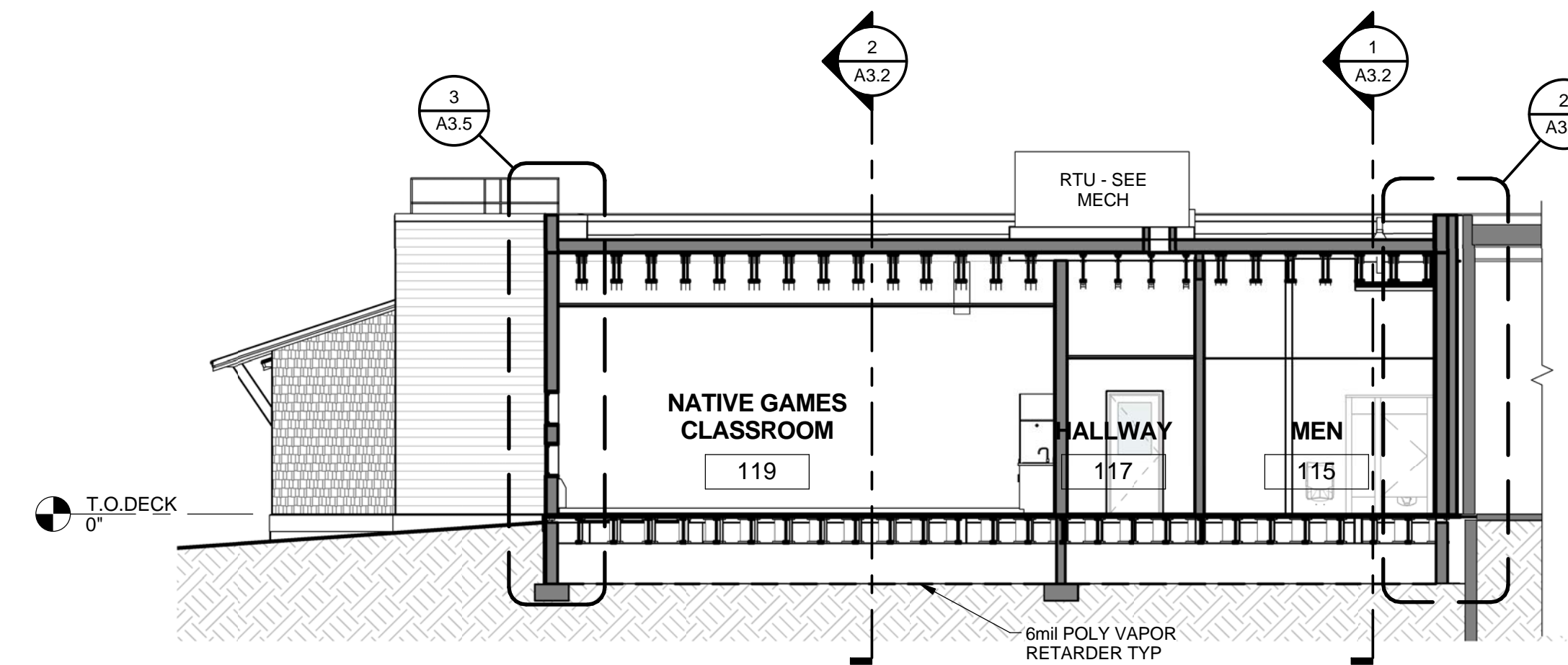
Sheet Contents:
BUILDING SECTIONS

Sheet No.:
A3.2

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2 BUILDING SECTION - E
A3.3 1/8" = 1'-0"



1 BUILDING SECTION - D
A3.3 1/8" = 1'-0"



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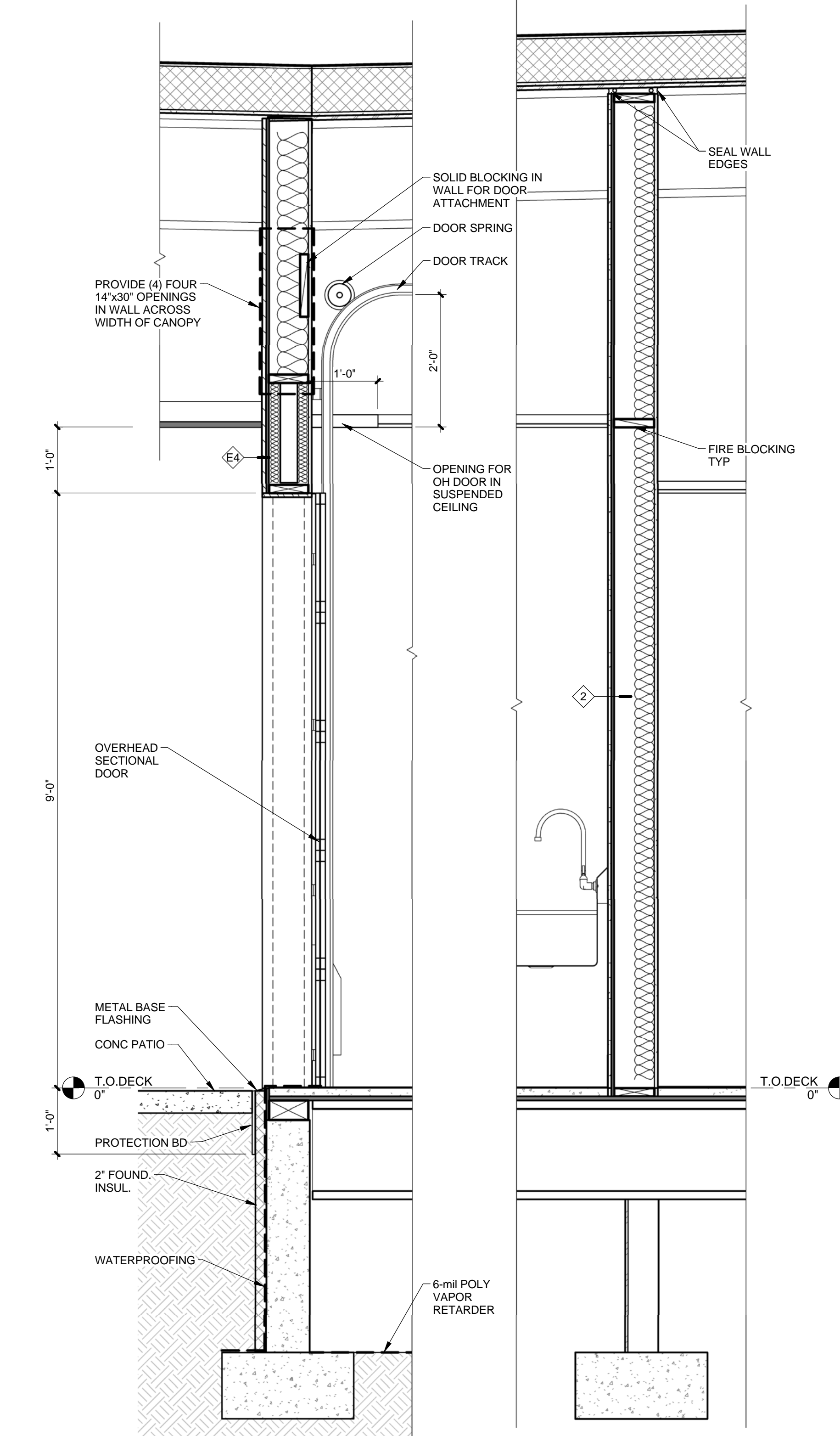
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BUILDING SECTIONS

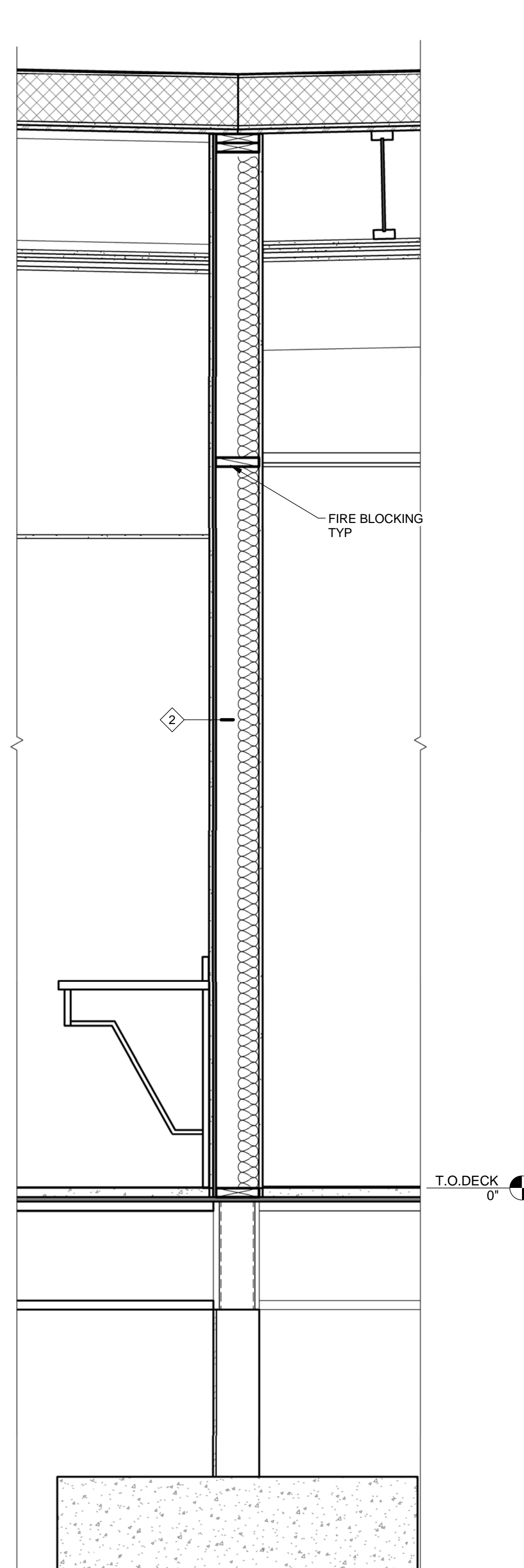
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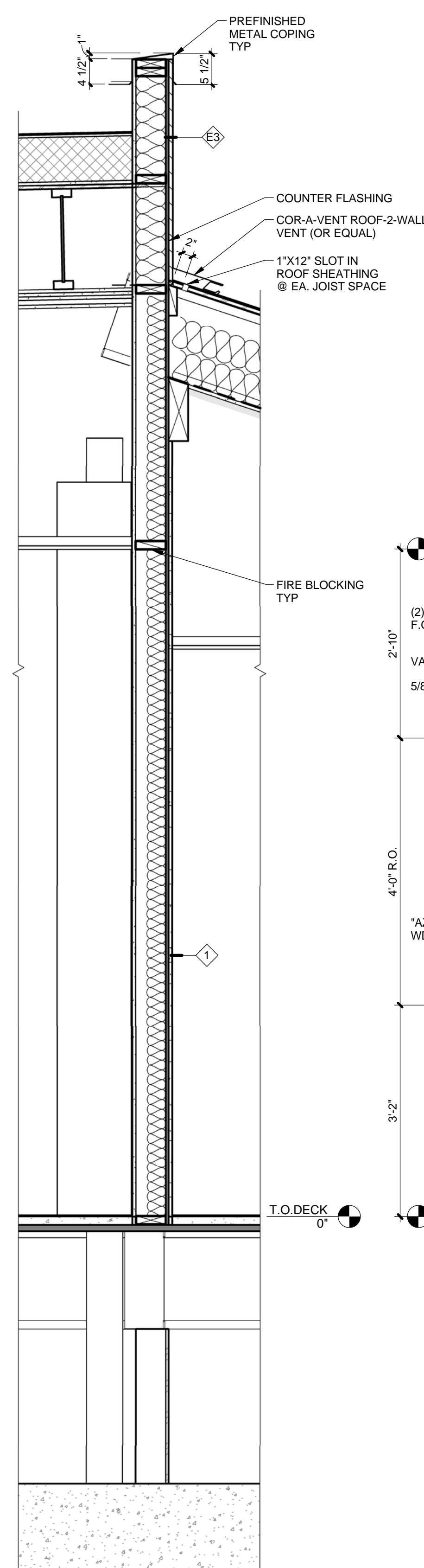


5 WALL SECTION - 5
A3.4 3/4" = 1'-0"

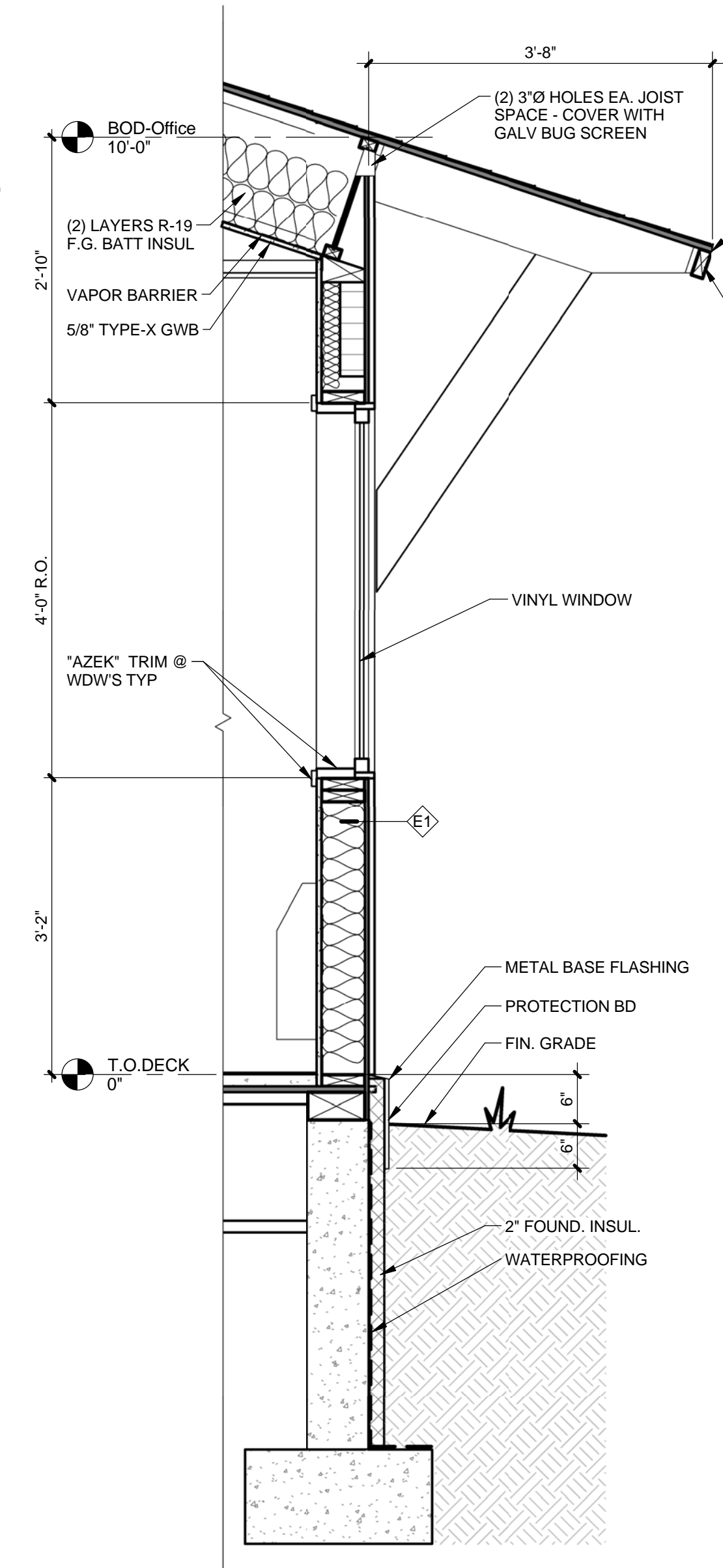
4 WALL SECTION - 4
A3.4 3/4" = 1'-0"



3 WALL SECTION - 3
A3.4 3/4" = 1'-0"



2 WALL SECTION - 2
A3.4 3/4" = 1'-0"



1 WALL SECTION - 1
A3.4 3/4" = 1'-0"



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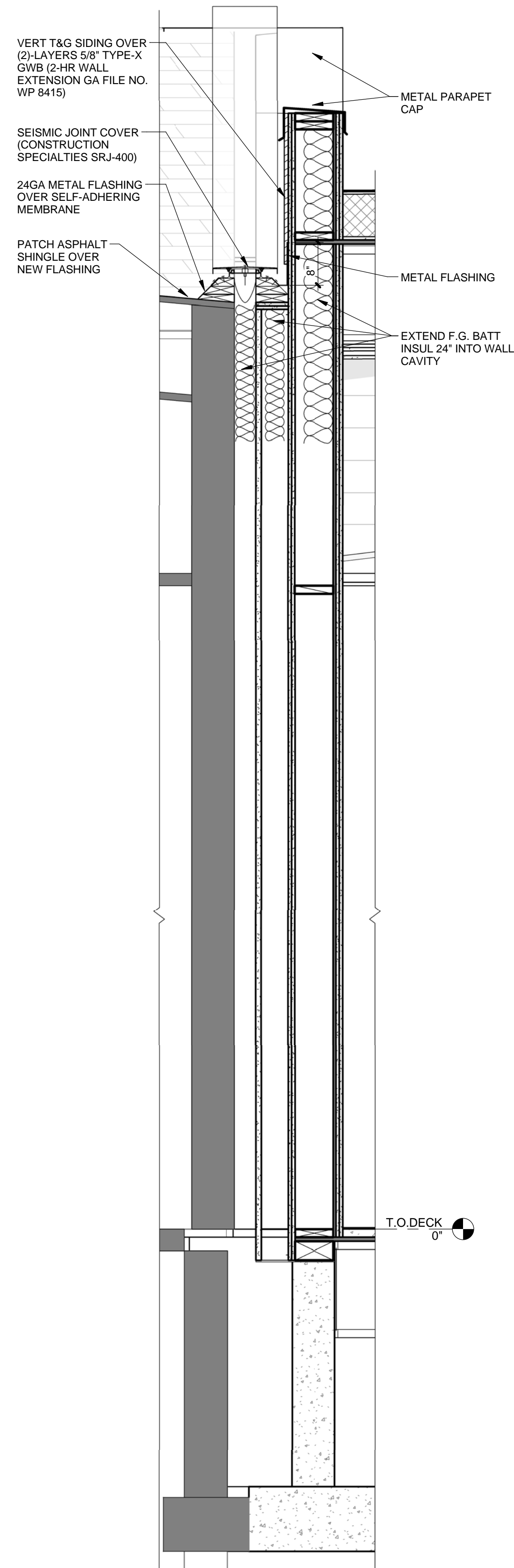
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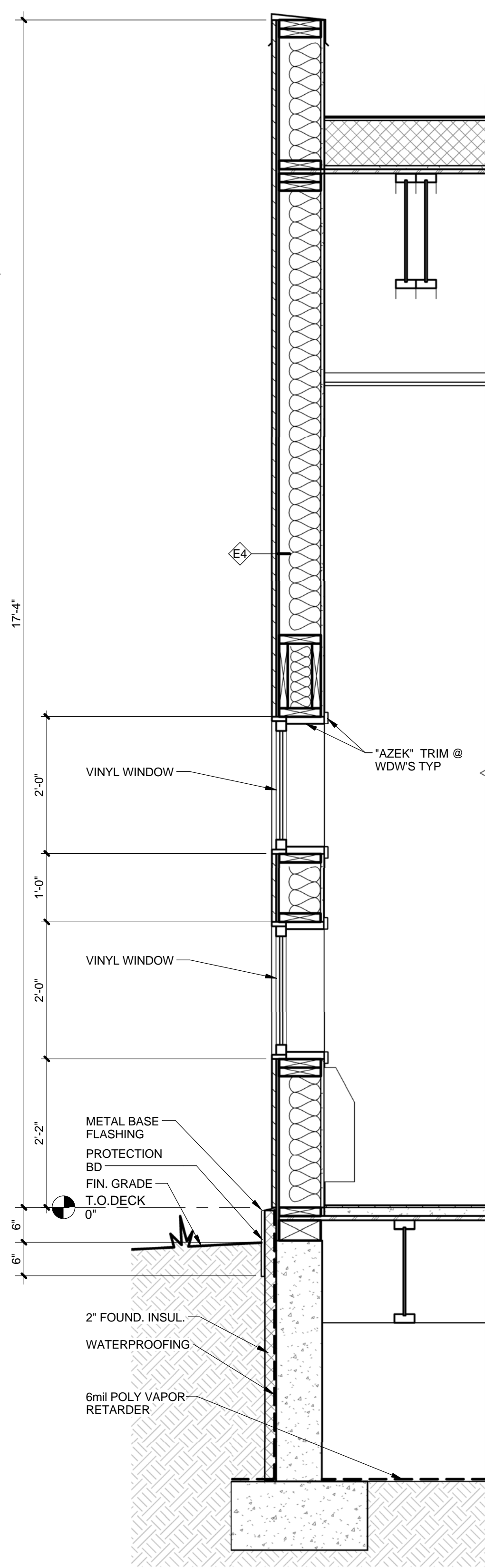
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| Project Mgr. | JAC |
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| Checked | |
| Date | 4/25/2014 |

Sheet Contents:
WALL SECTIONS

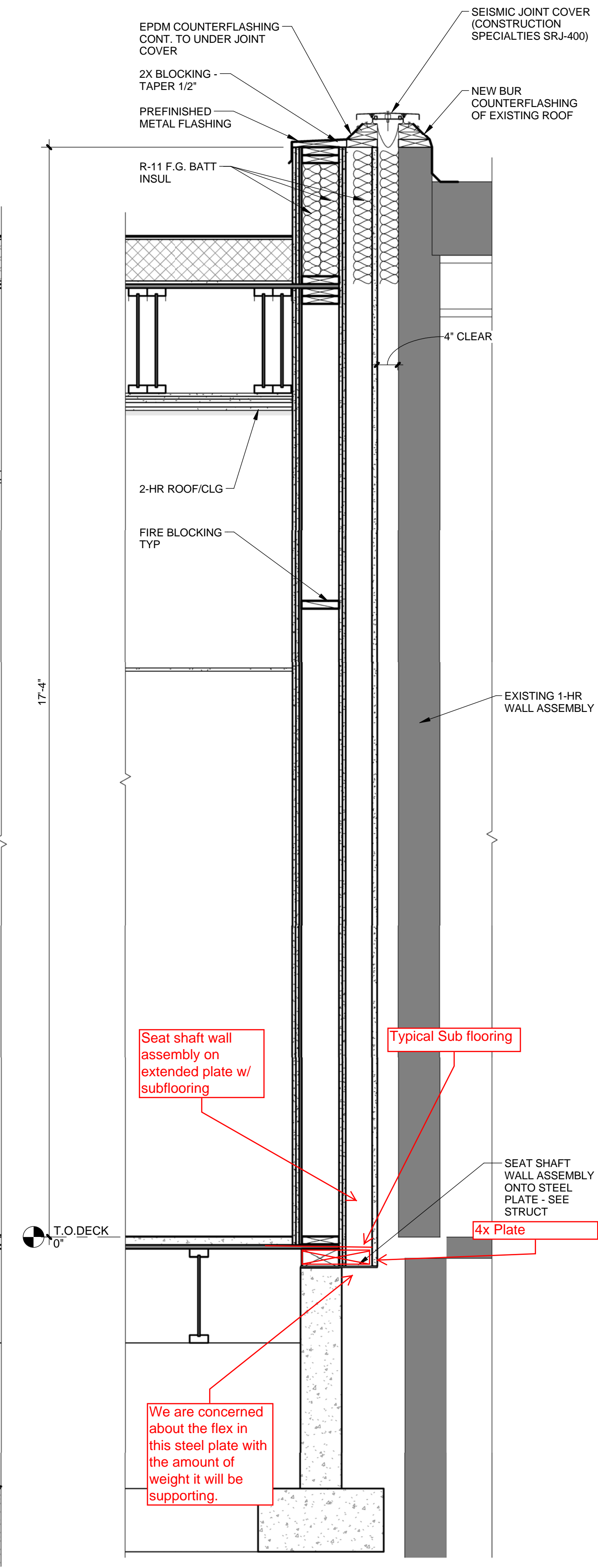
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A3.4



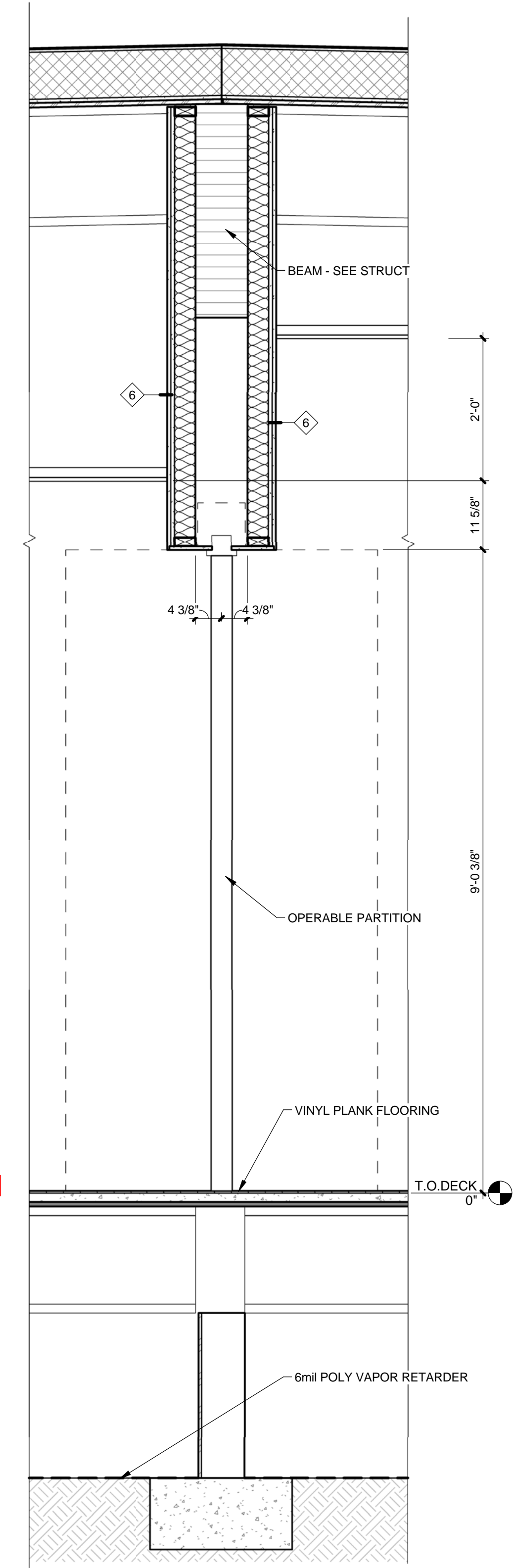
4 WALL SECTION - 9
A3.5 3/4" = 1'-0"



3 WALL SECTION - 8
A3.5 3/4" = 1'-0"



2 WALL SECTION - 7
A3.5 3/4" = 1'-0"



1 WALL SECTION - 6
A3.5 3/4" = 1'-0"



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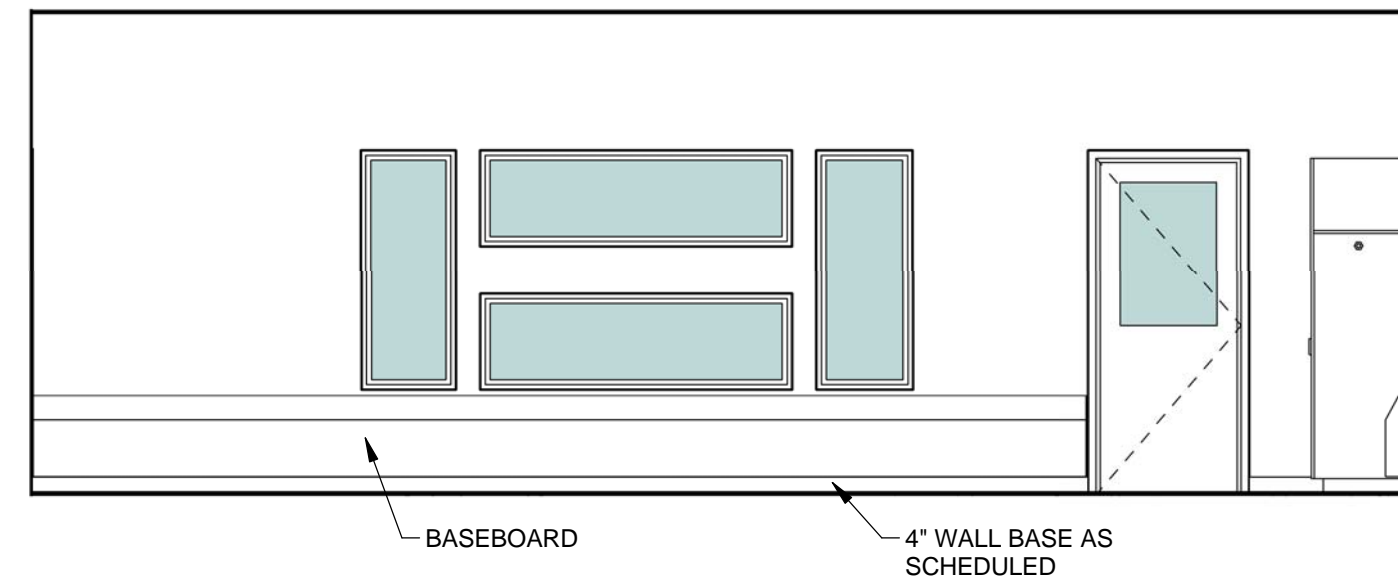
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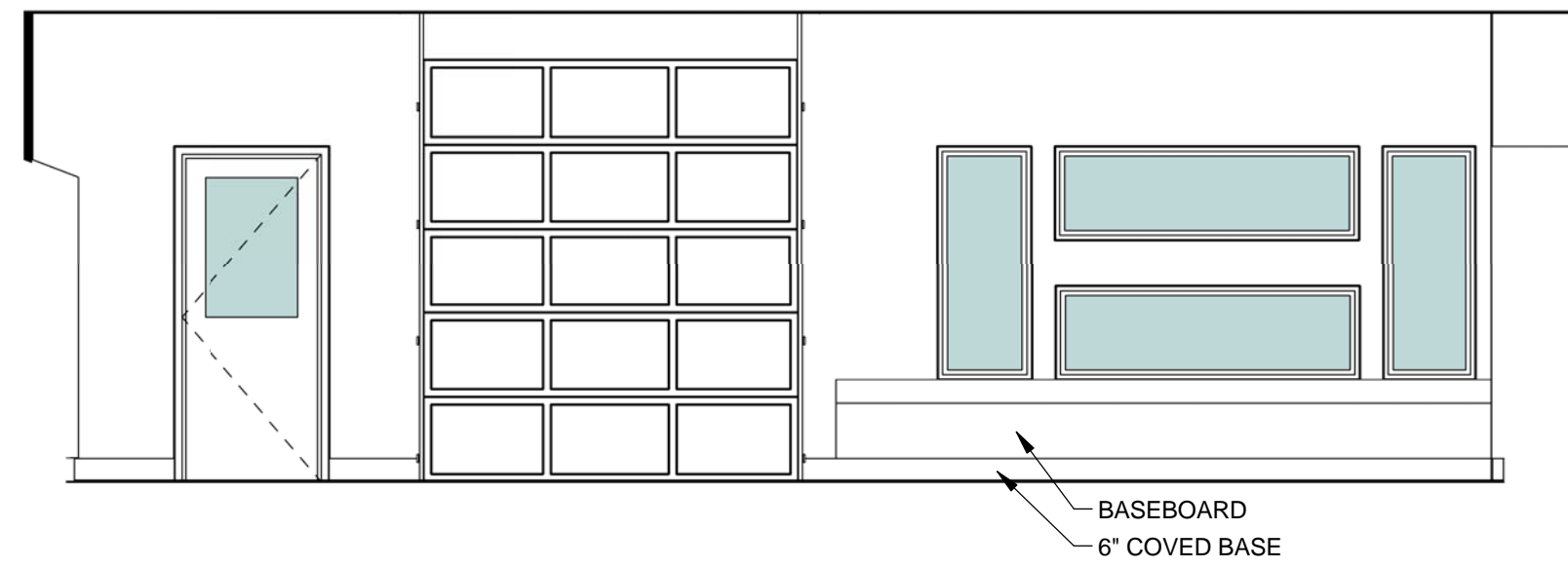
Sheet Contents:
WALL SECTIONS

Sheet No.:
A3.5

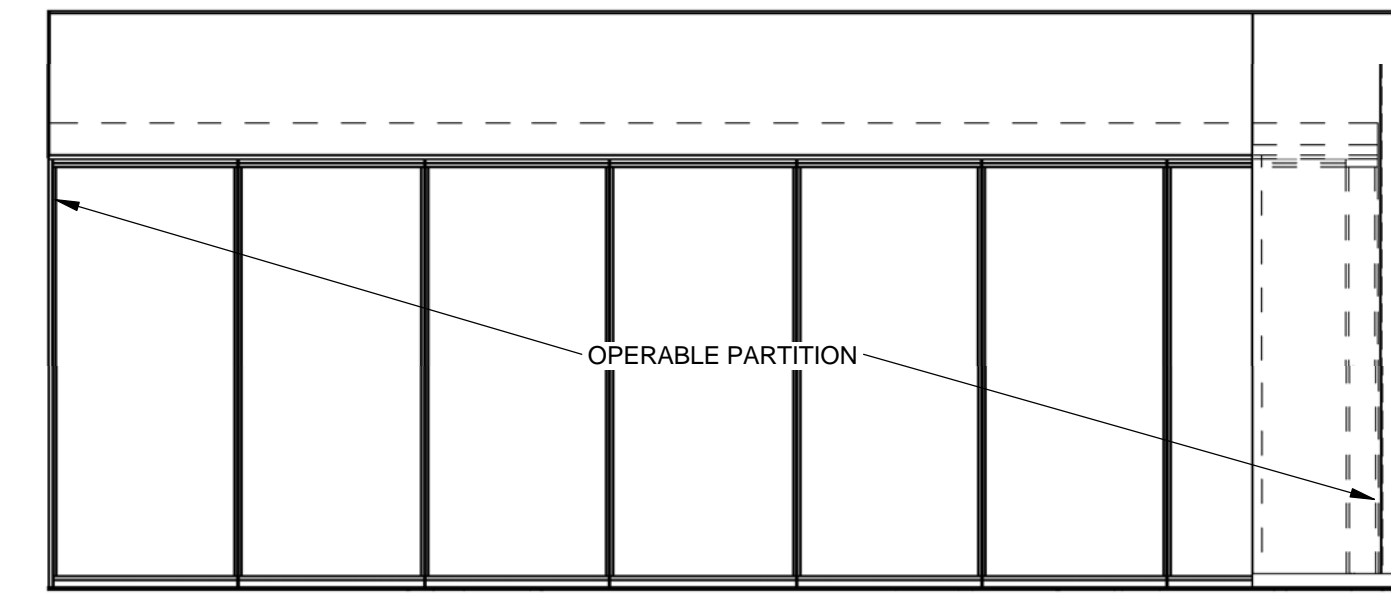
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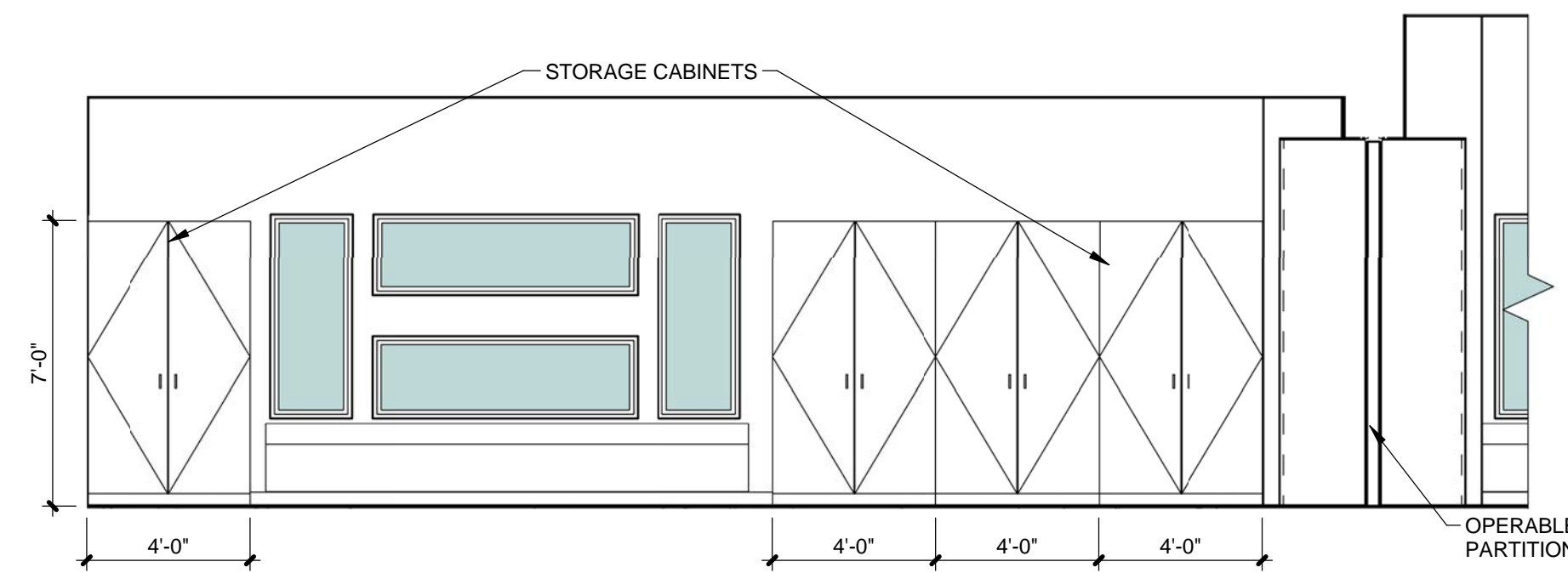
9 INTERIOR ELEVATION - 118 N
A5.1 1/4" = 1'-0"



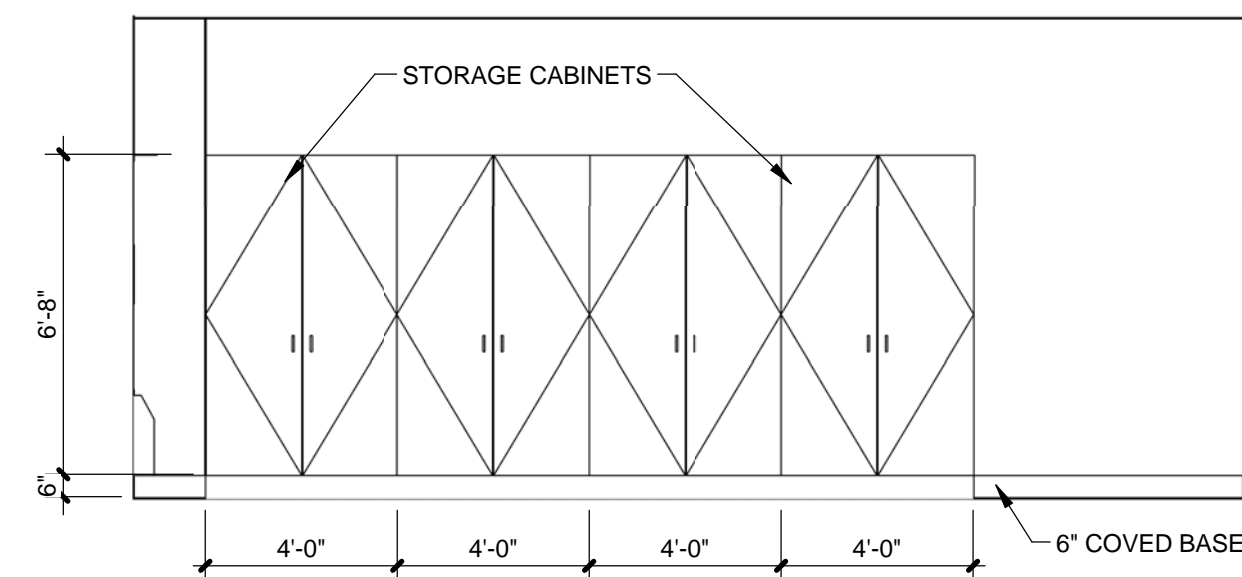
5 INTERIOR ELEVATION - 113 N
A5.1 1/4" = 1'-0"



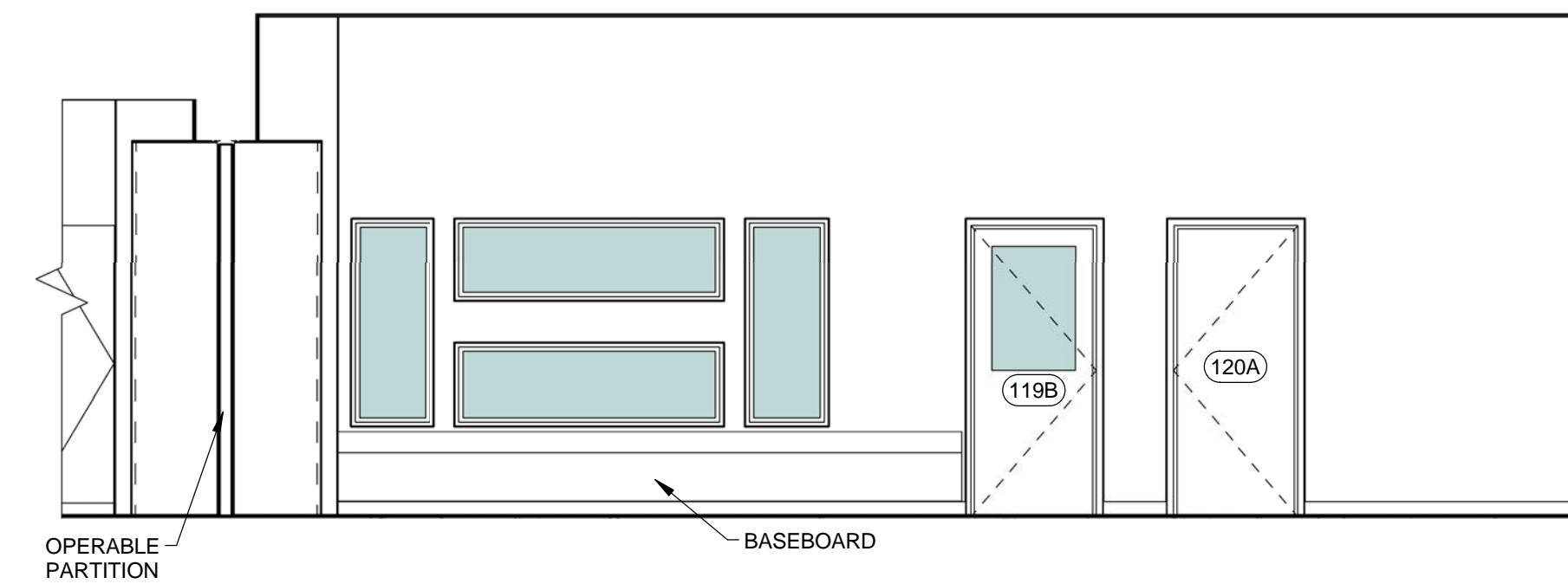
1 INTERIOR ELEVATION - 119 N
A5.1 1/4" = 1'-0"



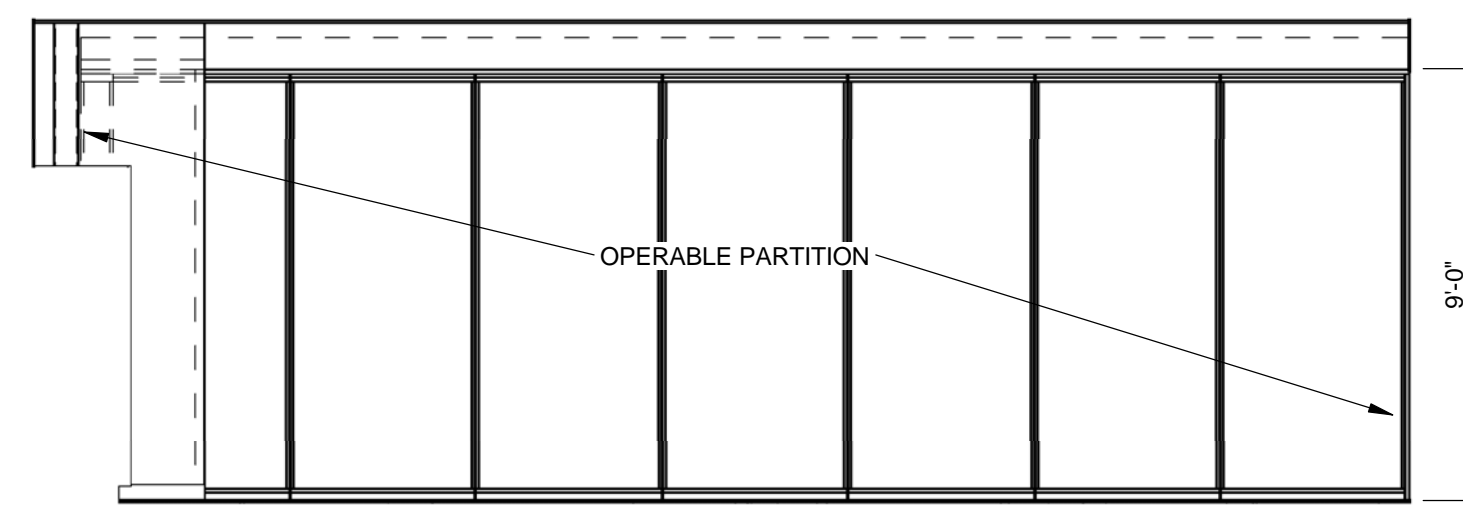
10 INTERIOR ELEVATION - 118 E
A5.1 1/4" = 1'-0"



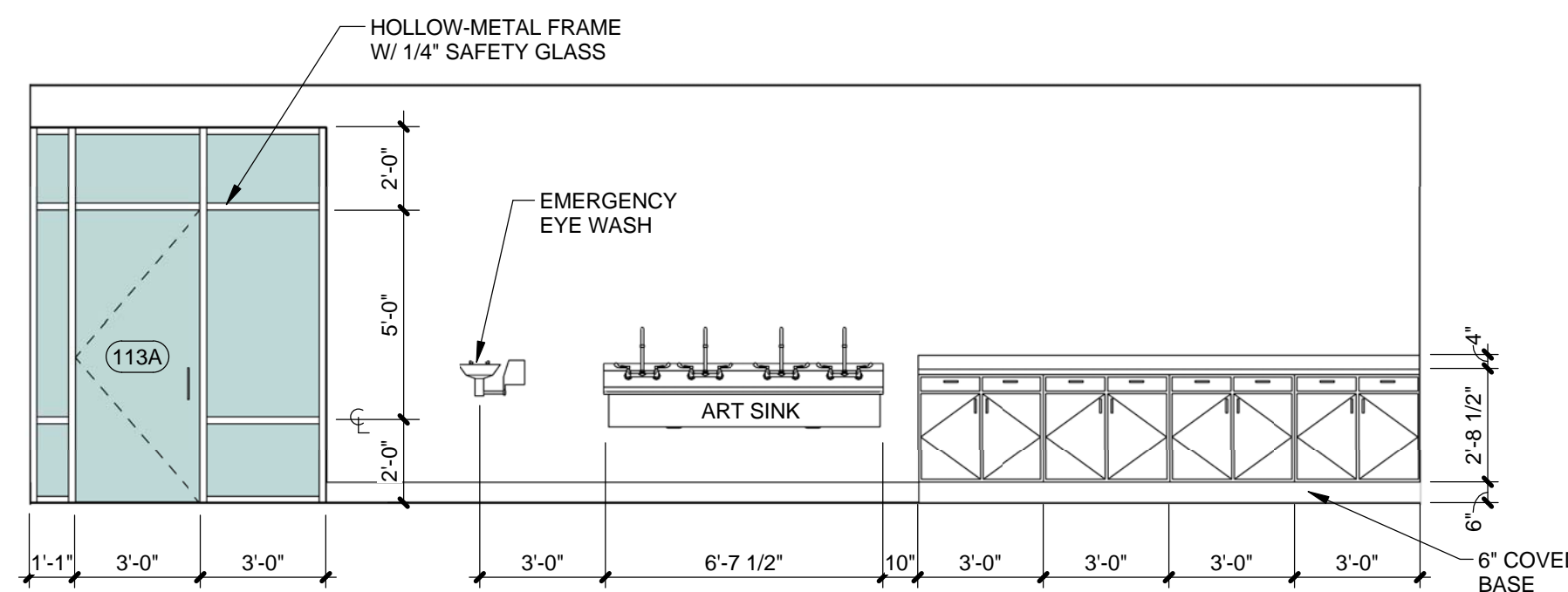
6 INTERIOR ELEVATION - 113 E
A5.1 1/4" = 1'-0"



2 INTERIOR ELEVATION - 119 E
A5.1 1/4" = 1'-0"



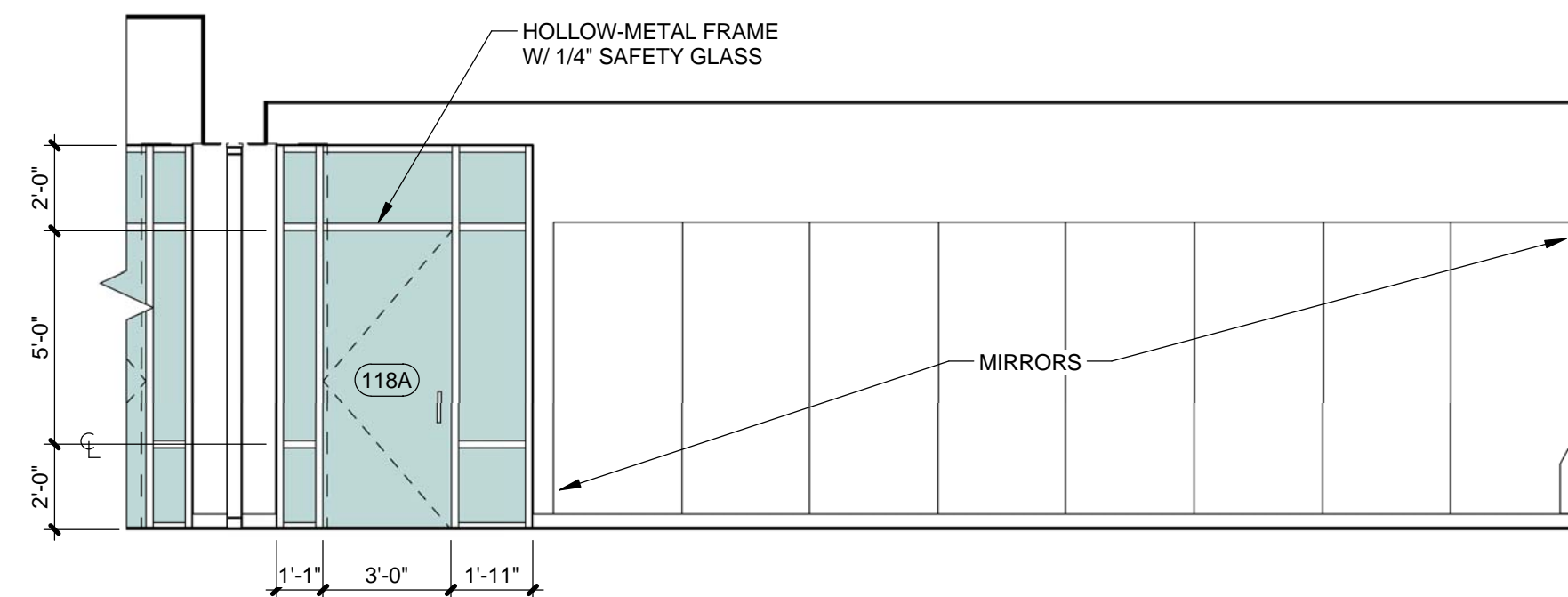
11 INTERIOR ELEVATION - 118 S
A5.1 1/4" = 1'-0"



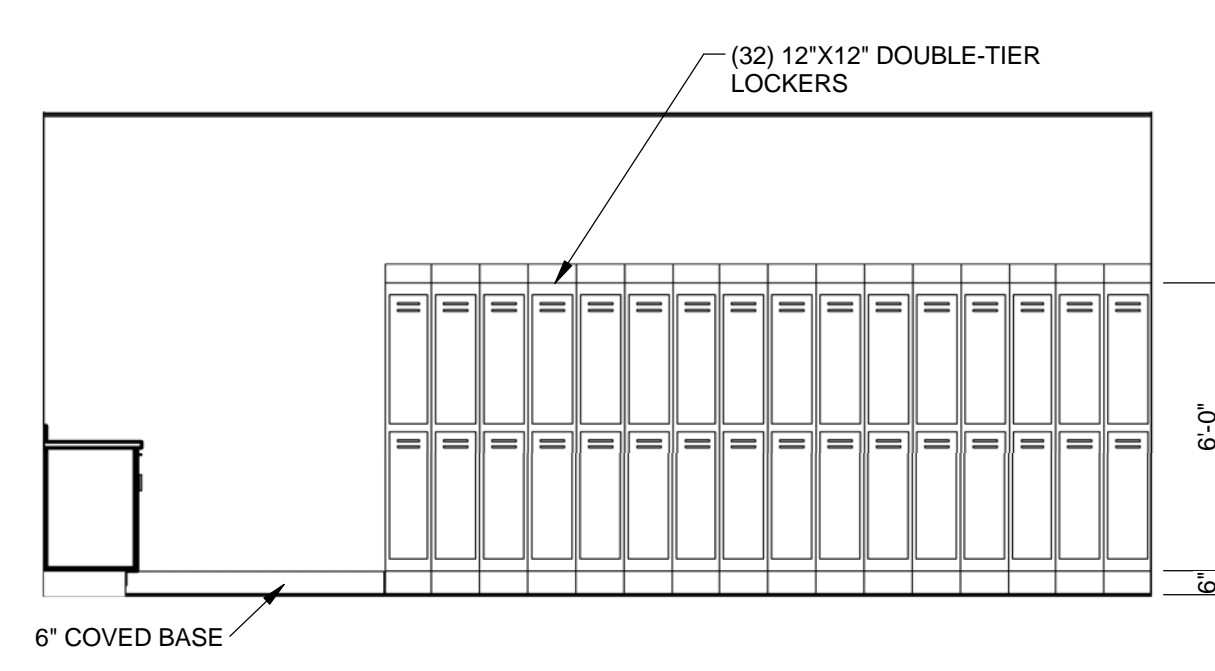
7 INTERIOR ELEVATION - 113 S
A5.1 1/4" = 1'-0"



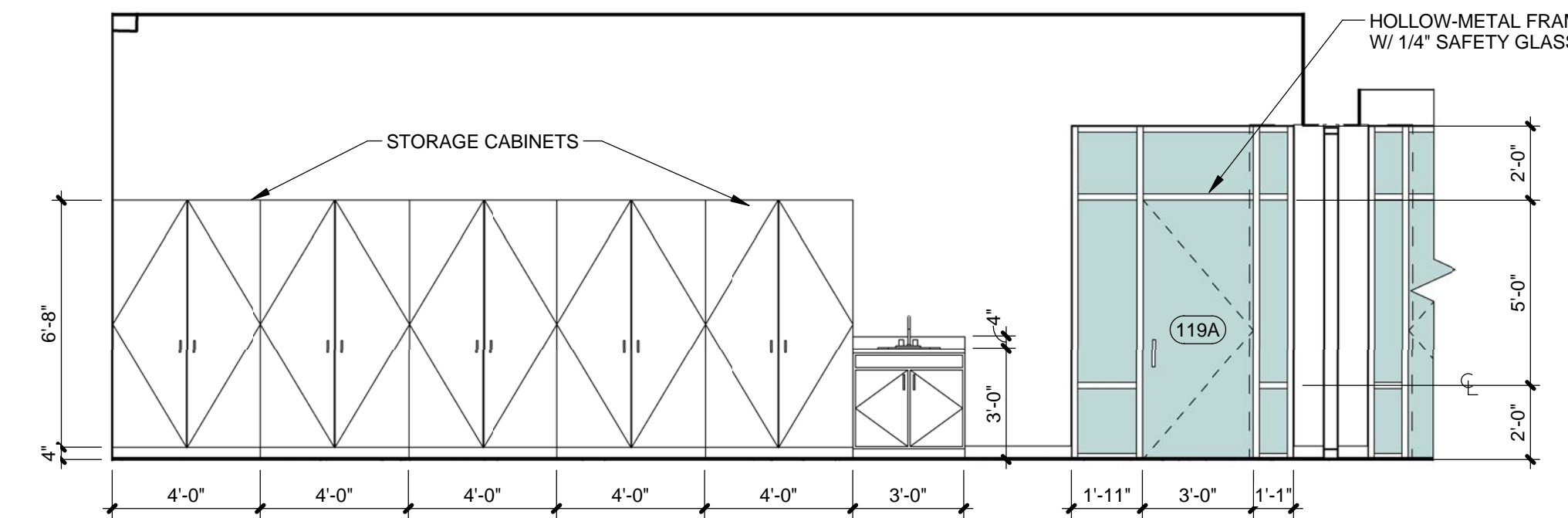
3 INTERIOR ELEVATION - 119 S
A5.1 1/4" = 1'-0"



12 INTERIOR ELEVATION - 118 W
A5.1 1/4" = 1'-0"



8 INTERIOR ELEVATION - 113 W
A5.1 1/4" = 1'-0"



4 INTERIOR ELEVATION - 119 W
A5.1 1/4" = 1'-0"



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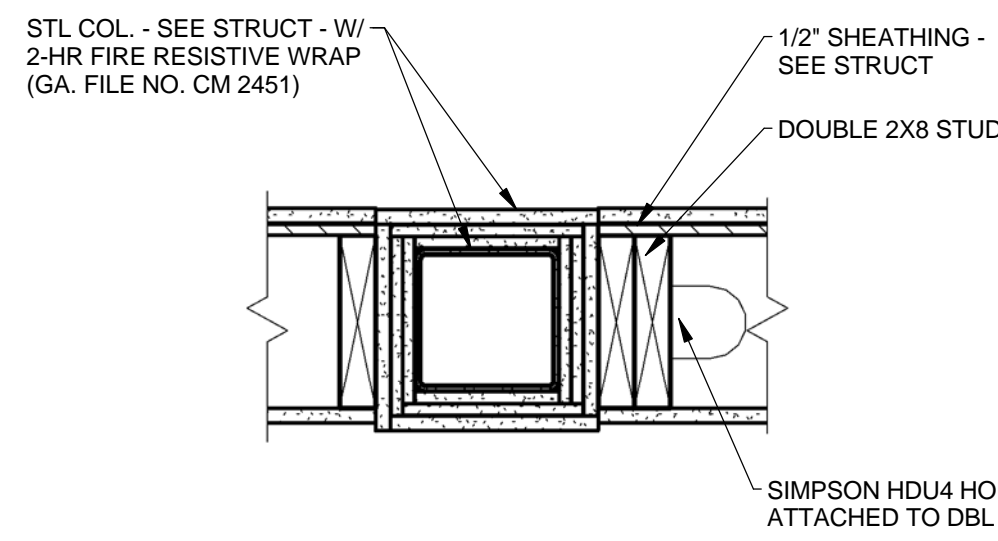
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| Checked | |
| Date | 4/25/2014 |

Sheet Contents:
INTERIOR
ELEVATIONS

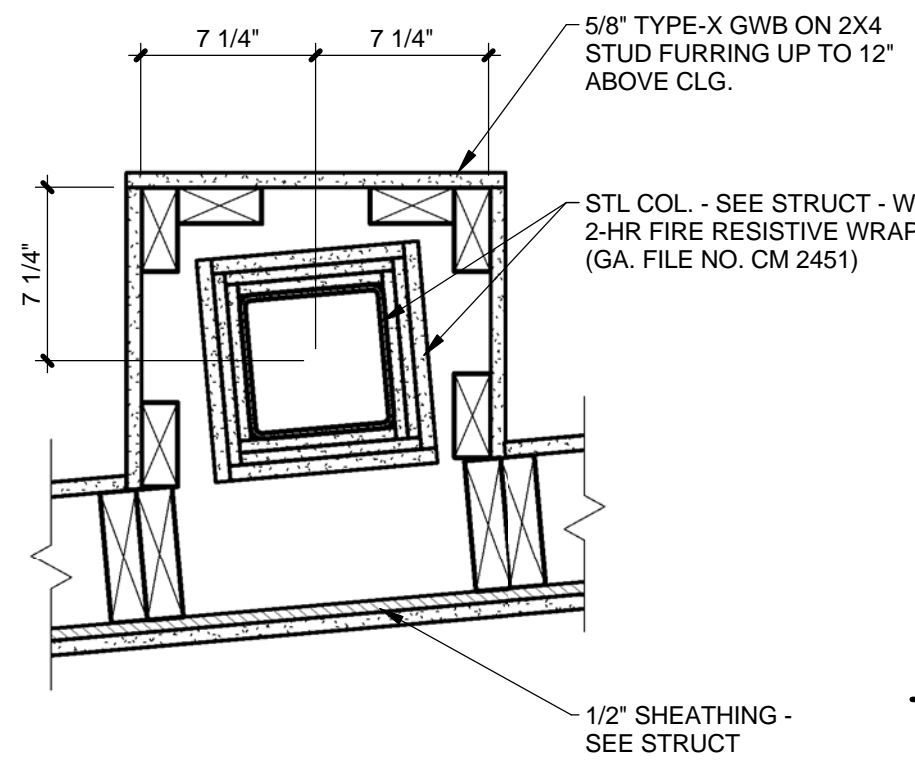
Sheet No.:

A5.1

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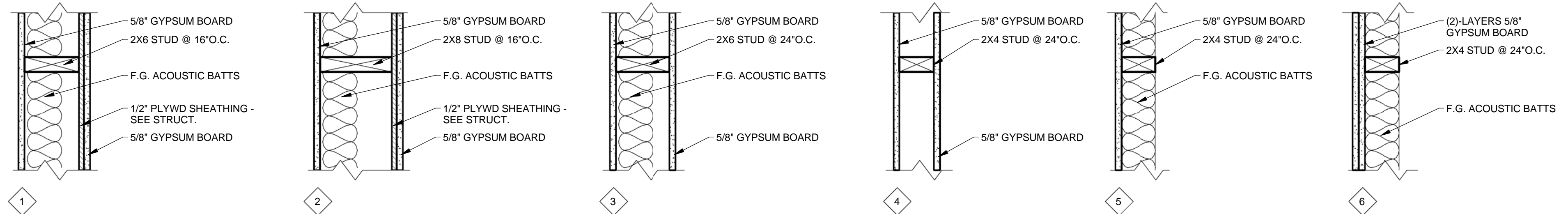


2 2-HR COL WRAP DETAIL 1
A6.1 1 1/2" = 1'-0"

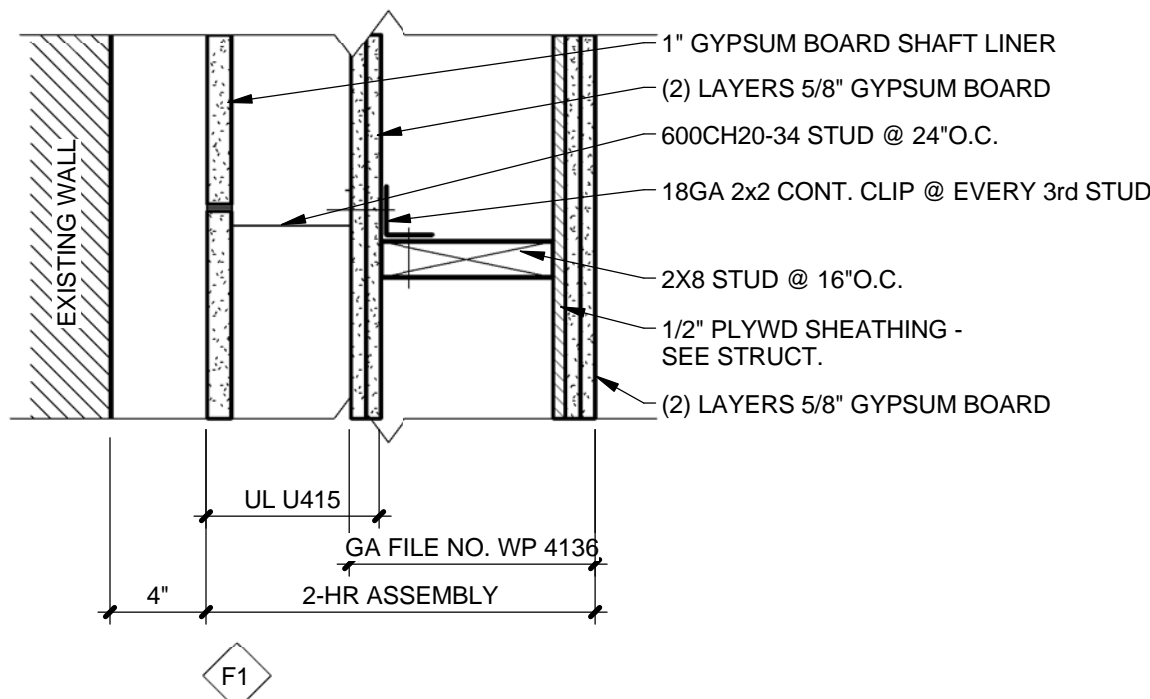


3 2-HR COL WRAP DETAIL 2
A6.1 1 1/2" = 1'-0"

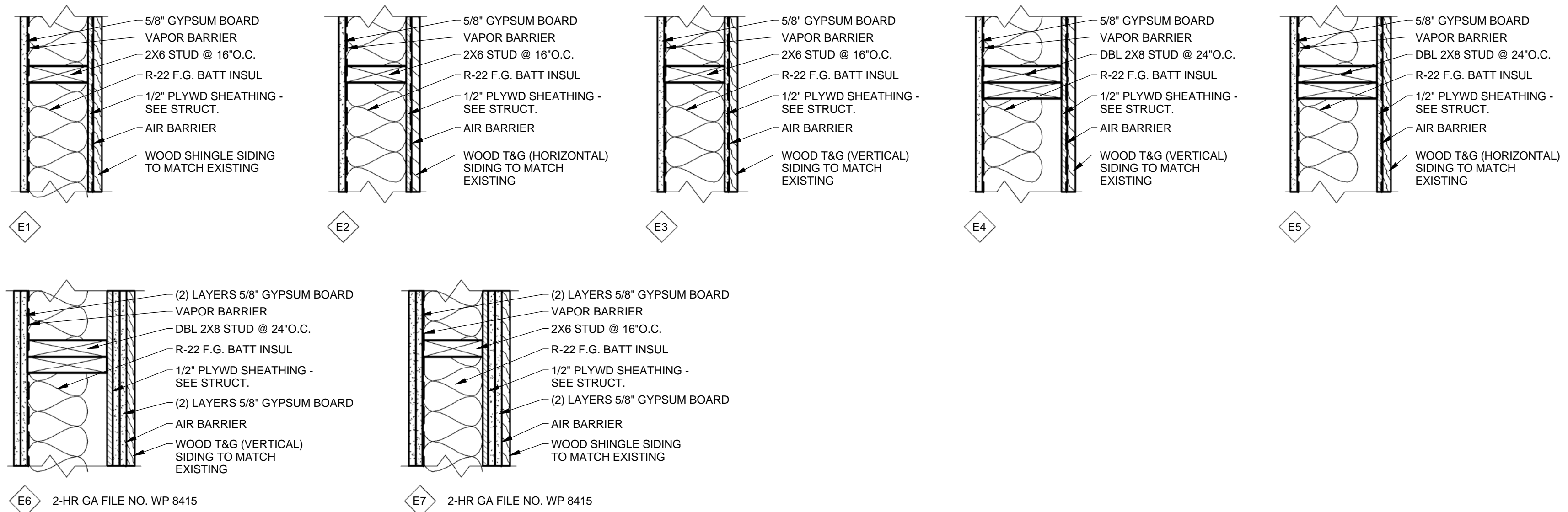
INTERIOR WALL TYPES



FIRE PROTECTION WALL TYPES



EXTERIOR WALL TYPES



- GENERAL NOTES:**
1. SEE ROOM FINISH SCHEDULE FOR ADDITIONAL WALL FINISHES. WALLS TO BE FINISHED TO A LEVEL-4 FINISH W/ EGGHELL TEXTURE.
 2. ALL GYPSUM BOARD IS TYPE-X.
 3. PROVIDE FIRE BLOCKING IN ALL WALLS.
 4. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL MOUNTED ACCESSORIES, CASEWORK, EQUIPMENT, ETC..
 5. PROVIDE ACOUSTICAL SEALANT @ PERIMETER OF ALL INTERIOR PARTITIONS WITH ACOUSTIC BATTS.



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Sheet Contents:
WALL TYPES

Sheet No.:
A6.1

ROOM FINISH SCHEDULE

| ROOM NO. | ROOM NAME | FLOOR | BASE | WALLS | | | | MILLWORK | CEILING | CEILING HEIGHT | COMMENTS |
|----------|------------------------|-------------|------|----------|----------|----------|----------|-----------|----------|----------------|--|
| | | | | North | East | South | West | | | | |
| 101 | VEST | CPT-1 | RB-2 | P-1 | P-1 | P-1 | P-1 | | CP-1 | 8'-0" | |
| 102 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 103 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 104 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 105 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 106 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 107 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 108 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 109 | OFFICE | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-6" | |
| 110 | WORK/COPIER | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | MW-4 | C-1 | 10'-0" | |
| 111 | STOR | CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 8'-0" | |
| 112 | OPEN OFFICE AREA | CPT-2 | RB-1 | P-1/P-2 | P-1 | P-1 | P-1 | | C-1 | 10'-0" | P-2 ACCENT TO OCCUR AT DOOR 117 NICHE |
| 113 | VISUAL ARTS CLASSROOM | RS-1 | CB-1 | P-1 | P-1 | P-1 | P-1 | MW-1 | C-2 | 10'-0" | |
| 114 | WOMEN | RS-2 | CB-1 | WP-1/P-1 | WP-1/P-1 | WP-1/P-1 | WP-1/P-1 | MW-2 | CP-1 | 9'-0" | |
| 115 | MEN | RS-3 | CB-1 | WP-1/P-1 | WP-1/P-1 | WP-1/P-1 | WP-1/P-1 | MW-3 | CP-1 | 9'-0" | |
| 116 | RECEPTION | CPT-2 | RB-1 | - | - | P-2/M-2 | P-1 | | C-1/CP-1 | 9'-0" | SEE DETAIL 2/A2.1 FOR LOCATION & QUANTITY OF MODULARART PANELS |
| 117 | HALLWAY | CPT-1/CPT-2 | RB-1 | P-1 | P-1 | P-1 | P-1 | | C-1 | 9'-0" | |
| 118 | DANCE CLASSROOM | SPORT | RB-2 | P-1 | P-1 | P-1 | P-1/M-1 | MW-1 | C-2 | 10'-0" | |
| 119 | NATIVE GAMES CLASSROOM | SPORT | RB-2 | P-1 | P-1 | P-1 | P-1 | MW-1/MW-5 | C-2 | 12'-0" | |
| 120 | STORAGE | RS-1 | CB-1 | P-1 | P-1 | P-1 | P-1 | | CP-1 | 9'-0" | |

COLOR AND MATERIAL LEGEND

FLOOR TREATMENT:

- CPT-1 MODULAR WALK-OFF TILE: SHAW CONTRACT GROUP, WELCOME II 5T031, TILE, STERLING, #31557
- CPT-2 MODULAR CARPET TILE: SHAW CONTRACT GROUP, VIRTUAL SPACES, HYPE 5T065, ENERGIZE, #64585
- SPORT SPORTS FLOORING: SHAW CONTRACT GROUP, REXCOURT 0003V, GOLDEN CHERRY, #01451
- RS-1 RESILIENT SHEET FLOORING: SHAW CONTRACT GROUP, BIOLIFE, STYLE 0001V, AGAVE, # 01009
- HEAT WELD ALL SEAMS, WELD ROD #WEL1009
- RS-2 RESILIENT SHEET FLOORING: SHAW CONTRACT GROUP, BIOLIFE, STYLE 0001V, LEMON GRASS, #01010
- HEAT WELD ALL SEAMS, WELD ROD #WEL1020
- RS-3 RESILIENT SHEET FLOORING: SHAW CONTRACT GROUP, BIOLIFE, STYLE 0001V, CURACAO, #01020
- HEAT WELD ALL SEAMS, WELD ROD #WEL1010

BASE:

- RB-1 RUBBER BASE: 4" COVE BASE, ROPPE, MARINER, #627
- RB-2 RUBBER BASE: 4" COVE BASE, BURNT UMBER, #194
- CB-1 INTEGRAL RESILIENT SHEET: 6" SELF COVE

WALL TREATMENT:

- P-1 FIELD WALL PAINT: BENJAMIN MOORE, SATIN FINISH, #1093
- P-2 ACCENT PAINT: SHERWIN WILLIAMS, PROGREEN 200 LOW VOC PAINT, SATIN FINISH, DANCING GREEN, SW6716
- P-3 HOLLOW METAL DOORS: SHERWIN WILLIAMS, PROGREEN 200 LOW VOC PAINT, SEMI-GLOSS, TURKISH COFFEE, SW6076
- P-4 HOLLOW METAL FRAMES: SHERWIN WILLIAMS, PROGREEN 200 LOW VOC PAINT, SEMI-GLOSS, TURKISH COFFEE, SW6076
- P-5 HOLLOW METAL FRAMES: SHERWIN WILLIAMS, PROGREEN 200 LOW VOC PAINT, SEMI-GLOSS, REVEL BLUE, SW6530
- P-6 HOLLOW METAL DOORS: SHERWIN WILLIAMS, PROGREEN 200 LOW VOC PAINT, SEMI-GLOSS, REVEL BLUE, SW6530
- WP-1 FIBERGLASS WALL PANELS (FRP): CRANE COMPOSITES INC., GLASBORD PREMIUM WALL PANELS, PEBBLED EMBOSSED,
- M-1 MIRRORS
- M-2 MODULARARTS, INTERLOCKING ROCK PANELS, 32"x32", WADE, COLOR WHITE

CEILING FINISHES:

- CP-1 PAINTED GWB: BENJAMIN MOORE, SATIN FINISH, #1093
- C-1 ACOUSTICAL CEILING PANEL: ARMSTRONG, CIRRUS SECOND LOOK II, SCORED
- C-2 TEGULAR, #513, 24"x48"x3/4" WHITE
- ACOUSTICAL CEILING PANEL: ARMSTRONG, SCHOOL ZONE FINE FISSURED, SQUARE LAY-IN WITH PRELUDE 15/16" SUSPENSION SYSTEM, #1714, 24"x48"x3/4" WHITE

MISCELLANEOUS FINISHES:

- RP-1 RESTROOM PARTITIONS: GLOBAL, STAINLESS STEEL PARTITIONS

MILLWORK FINISHES:

- MW-1 (CLASSROOM WARDROBES) CABINET FACES: PLASTIC LAMINATE: FORMICA, BELUGA BEIGE, #3698-58
DRAWER PULLS TO BE HAFELE 117.05.600 STAINLESS STEEL
- MW-2 RESTROOM COUNTERTOP & BACKSPLASH: SOLID SURFACE: AVONITE FOUNDATIONS, MALT, #F1-7810
CABINET FACES: PLASTIC LAMINATE: FORMICA, GINGER ROOT, #7288-58
DRAWER PULLS TO BE HAFELE 117.05.600 STAINLESS STEEL
- MW-3 RESTROOM COUNTERTOP & BACKSPLASH: SOLID SURFACE: AVONITE FOUNDATIONS, ARTICA, #F1-9065
CABINET FACES: PLASTIC LAMINATE: FORMICA, GINGER ROOT, #7288-58
DRAWER PULLS TO BE HAFELE 117.05.600 STAINLESS STEEL
- MW-4 COUNTERTOP & BACKSPLASH: PLASTIC LAMINATE: WILSONART, MERCURY GLASS, #4902-38
EDGE BAND: THICK PVC: DOEKELLEN-WOODTAPE: 3MM, #9244
CABINET FACES: PLASTIC LAMINATE: FORMICA, GINGER ROOT, #7288-58
DRAWER PULLS TO BE HAFELE 117.05.600 STAINLESS STEEL
- MW-5 CLASSROOM COUNTERTOP & BACKSPLASH: SOLID SURFACE: AVONITE FOUNDATIONS, MALT, #F1-7810
CABINET FACES: PLASTIC LAMINATE: FORMICA, BELUGA BEIGE, #3698-58
DRAWER PULLS TO BE HAFELE 117.05.600 STAINLESS STEEL



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Sheet Contents:
ROOM FINISH SCHEDULE

Sheet No.:
A8.1

DOOR SCHEDULE

| DOOR No. | TYPE | DOOR | | | | | | | FIRE RATING | HARDWARE | FRAME | | | | COMMENTS |
|----------|------|-------|--------|-----------|----------|---------|----------|-----------------|-------------|----------|---------|------|------|-----------|---|
| | | WIDTH | HEIGHT | THICKNESS | MATERIAL | FINISH | UNDERCUT | MATERIAL | | | FINISH | JAMB | HEAD | THRESHOLD | |
| 101A | D4 | 3'-0" | 7'-0" | 1 3/4" | IHM | P-3 | | | HW 01 | IHM | P-4 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS |
| 101B | D4 | 3'-0" | 7'-0" | 1 3/4" | IHM | P-6 | | | HW 02 | IHM | P-5 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS |
| 102 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 103 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 104 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 105 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 106 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 107 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 108 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 109 | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 05 | HM | P-5 | | | | |
| 111 | D1 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 06 | HM | P-5 | | | | |
| 112 | D1 | 3'-0" | 7'-0" | 1 3/4" | HM | P-6 | | 2-HR FIRE/SMOKE | HW 04 | HM | P-5 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS |
| 113A | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 09 | HM | P-5 | | | | |
| 113B | D3 | 3'-0" | 7'-0" | 1 3/4" | IHM | P-3/P-6 | | | HW 03 | IHM | P-4/P-5 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS. PAINT INTERIOR OF DOOR/FRAME REVEL BLUE, PAINT EXTERIOR OF DOOR/FRAME TURKISH COFFEE |
| 113C | D13 | 8'-0" | 9'-0" | 1 3/4" | IM | FF | | | -- | MTL | FF | | | | |
| 114 | D1 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | 1" | | HW 08 | HM | P-5 | | | | |
| 115 | D1 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | 1" | | HW 08 | HM | P-5 | | | | |
| 117A | D3 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 07 | HM | P-5 | | | | |
| 117B | D1 | 3'-0" | 7'-0" | 1 3/4" | HM | P-6 | | 2-HR FIRE/SMOKE | HW 04 | HM | P-5 | | | | |
| 118A | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 09 | HM | P-4 | | | | |
| 118B | D3 | 3'-0" | 7'-0" | 1 3/4" | IHM | P-3 | | | HW 03 | IHM | P-4 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS |
| 119A | D4 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 09 | HM | P-4 | | | | |
| 119B | D3 | 3'-0" | 7'-0" | 1 3/4" | IHM | P-3 | | | HW 03 | IHM | P-4 | | | | SEE ROOM FINISH SCHEDULE FOR PAINT COLORS |
| 120A | D1 | 3'-0" | 7'-0" | 1 3/4" | WD | ST | | | HW 10 | HM | P-4 | | | | |
| 120B | D20 | 2'-6" | 2'-6" | 0" | ALUM | ST | | | -- | ALUM | FF | | | | |

DOOR HARDWARE MANUFACTURES:

| | | |
|-----------------------------|---------|-----|
| HINGES | IVES | IVE |
| LOCKS | SCHLAGE | SCH |
| CYLINDERS | BEST | BES |
| CLOSERS | LCN | LCN |
| MISC | IVES | IVE |
| WEATHERSTRIP/NATIONAL GUARD | NGP | NGP |

HW 01
DOOR 101A

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81HW 5 X 4.5 NRP | 630 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA LOCK GUARD | LG12 | 630 | IVE |
| 1 | EA SURFACE CLOSER | 1461 EDA TBWMS | 689 | LCN |
| 1 | EA MOUNTING PLATE | 1460-18 | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA FLOOR STOP | FS444 | 626 | IVE |
| 1 | EA HEAD SEAL | 706A | AL | NGP |
| 2 | EA JAMB SEAL | 706E | AL | NGP |
| 1 | EA DOOR SWEEP | C627A | CL | NGP |
| 1 | EA THRESHOLD | 8425 MS/LA | AL | NGP |

HW 02
DOOR 101B

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA PASSAGE SET | AL10S SAT | 626 | SCH |
| 1 | EA SURFACE CLOSER | 1461 EDA TBWMS | 689 | LCN |
| 1 | EA MOUNTING PLATE | 1460-18 | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA WALL STOP | WS401CCV | 626 | IVE |
| 1 | EA HEAD SEAL | 706A | AL | NGP |
| 2 | EA JAMB SEAL | 706E | AL | NGP |
| 1 | EA DOOR SWEEP | C607A | CL | NGP |
| 1 | EA THRESHOLD | 8425 MS/LA | AL | NGP |

HW 03
DOOR 113B 118B 119B

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81HW 5 X 4.5 NRP | 630 | IVE |
| 1 | EA STOREROOM LOCK | AL80BD JUP | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA LOCK GUARD | LG12 | 630 | IVE |
| 1 | EA SURFACE CLOSER | 1461 EDA TBWMS | 689 | LCN |
| 1 | EA MOUNTING PLATE | 1460-18 | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA FLOOR STOP | FS444 | 626 | IVE |
| 1 | EA DRIP CAP | 16A | CL | NGP |
| 1 | EA HEAD SEAL | 706A | AL | NGP |
| 2 | EA JAMB SEAL | 706E | AL | NGP |
| 1 | EA DOOR SWEEP | C627A | CL | NGP |
| 1 | EA THRESHOLD | 8425 MS/LA | AL | NGP |

HW 04
DOOR 112 117B

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA OH STOP | 10S | 630 | GLY |
| 1 | EA SURFACE CLOSER | 1461 EDA TBWMS | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA SET | 5050B | BRN | NGP |
| 1 | EA DOOR SWEEP | C607A | CL | NGP |
| 1 | EA THRESHOLD | 425E MS/LA | AL | NGP |

HW 05
DOOR 102 103 104 105 106 107

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|----------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA WALL STOP | WS401CCV | 626 | IVE |
| 1 | EA SET | 5050B | BRN | NGP |

HW 06
DOOR 111

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|----------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA OH STOP | 450S | 630 | GLY |
| 3 | EA SILENCER | SR64 | GRY | IVE |

HW 07
DOOR 117A

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA OH STOP | 90S | 630 | GLY |
| 1 | EA SURFACE CLOSER | 1461 TBWMS | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 3 | EA SILENCER | SR64 | GRY | IVE |

HW 08
DOOR 114 115

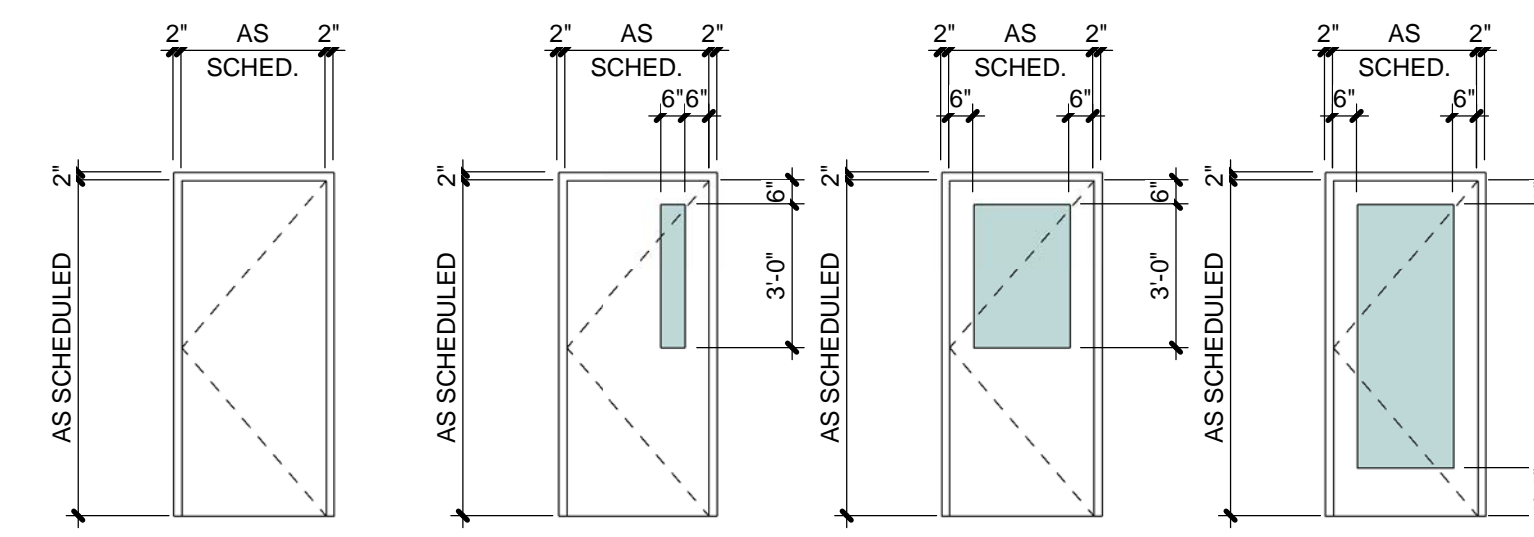
| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA PUSH PLATE | 8200 4" X 16" | 630 | IVE |
| 1 | EA PULL PLATE | 8302 8" X 16" 630 | IVE | |
| 1 | EA SURFACE CLOSER | 1461 TBWMS | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA WALL STOP | WS401CCV | 626 | IVE |
| 3 | EA SILENCER | SR64 | GRY | IVE |

HW 09
DOOR 113A 118A 119A

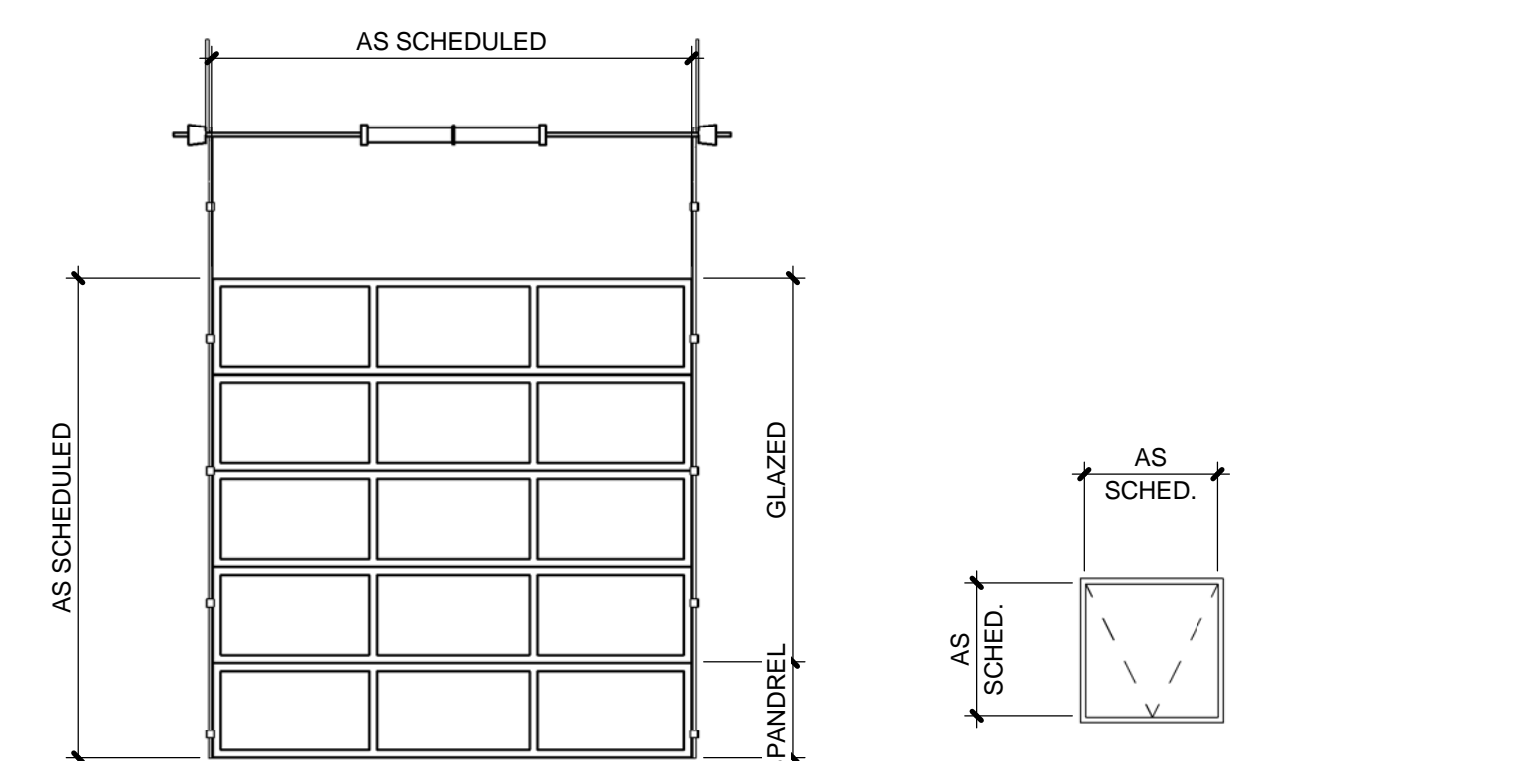
| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA CLASSROOM LOCK | AL70BD SAT | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA OH STOP | 450S | 630 | GLY |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA SET | 5050B | BRN | NGP |

HW 10
DOOR 120A

| Qty | Description | Catalog Number | Finish | Mfr |
|-----|-------------------|-----------------------|--------|-----|
| 3 | EA HW HINGE | 5B81 4.5 X 4.5 | 652 | IVE |
| 1 | EA STOREROOM LOCK | AL80BD JUP | 626 | SCH |
| 1 | EA PERMANENT CORE | AS REQUIRED | 626 | BES |
| 1 | EA SURFACE CLOSER | 1461 TBWMS | 689 | LCN |
| 1 | EA KICK PLATE | 8400 10" X 2" LDW B4E | 630 | IVE |
| 1 | EA WALL STOP | WS401CCV | 626 | IVE |
| 3 | EA SILENCER | SR64 | GRY | IVE |



D1 FLUSH
D2 VISION LITE SAFETY GLASS
D3 HALF LITE SAFETY GLASS
D4 FULL LITE SAFETY GLASS



D13 GLAZED OVERHEAD SECTIONAL
D20 FLOOR HATCH

DOOR / FRAME TYPES



| By | Description |
|------|----------------|
| 1 | PERMIT CHANGES |
| Date | MAY 7, 2014 |
| No. | 1 |



2515 A Street
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Project:
Alaska Native Heritage Center

MABEL PIKE EDUCATIONAL CENTER EXPANSION
Anchorage, Alaska

Alaska Native Heritage Center
8800 Heritage Center Drive
Anchorage, Alaska 99504

| | |
|--------------|-----------|
| Project Mgr. | JAC |
| Drawn | MAF JC |
| Checked | |
| Date | 4/25/2014 |

Sheet Contents:
DOOR SCHEDULE

Sheet No.:
A8.2



| | |
|----------|--|
| By | |
| Date | |
| Revision | |



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Anchorage, Alaska

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Anchorage, Alaska 99504

| | |
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| Project Mgr. | JAC |
| Drawn | DGB |
| Checked | CLL DA |
| Date | 04/25/2014 |

Sheet Contents:
MECHANICAL LEGEND & ABBREVIATIONS

Sheet No.:
M0.1

USKH W.O. 1331601

MECHANICAL LEGEND

| | | | |
|--|--|--|---|
| | PIPE UP | | GLOBE VALVE |
| | PIPE DOWN | | BALL VALVE |
| | AUTOMATIC AIR VENT WITH ISOLATION VALVE | | GATE VALVE |
| | THERMOMETER | | AUTOMATIC FLOW CONTROL VALVE WITH FLOW RATE INDICATED, GPM |
| | UNION | | CALIBRATED (MANUAL) BALANCE VALVE |
| | CONCENTRIC REDUCER | | 2-WAY CONTROL VALVE |
| | ECCENTRIC REDUCER | | 3-WAY CONTROL VALVE |
| | PIPE FLANGE | | SAFETY RELIEF VALVE OR PRESSURE RELIEF VALVE |
| | PIPE ANCHOR | | DOUBLE CHECK TYPE BACKFLOW PREVENTER |
| | PIPE GUIDE | | BUTTERFLY VALVE |
| | PUMP | | CHECK VALVE |
| | FLEX PIPE CONNECTION | | PLUG VALVE |
| | THERMOSTATIC EXPANSION VALVE | | PRESSURE REDUCING VALVE |
| | RECTANGULAR DUCT ELBOW WITH TURNING VANES | | STRAINER WITH BLOW DOWN VALVE |
| | FLEXIBLE ROUND DUCT | | PRESSURE GAUGE WITH ISOLATION VALVE |
| | HVAC DUCT, SINGLE LINE DEPICTION | | CALIBRATED (MANUAL) GAS BALANCE VALVE |
| | HVAC DUCT, DOUBLE LINE DEPICTION | | CAPPED GAS REGULATOR |
| | EXTERNALLY INSULATED DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS | | SLOPED CHANGE IN ELEVATION RISE IN DIRECTION OF ARROW |
| | INTERNALLY LINED DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS | | SLOPED CHANGE IN ELEVATION DROP IN DIRECTION OF ARROW |
| | FIRE DAMPER | | ITEMS TO BE DEMOLISHED |
| | COMBINATION FIRE / SMOKE DAMPER | | DOMESTIC COLD WATER |
| | OPPOSED BLADE MOTOR OPERATED DAMPER | | DOMESTIC HOT WATER |
| | PARALLEL BLADE MOTOR OPERATED DAMPER | | DOMESTIC HOT WATER CIRC. |
| | MOTOR OPERATED DAMPER (VIEWED PERPENDICULAR TO BLADE SHAFTS) | | SANITARY VENT |
| | AIRFLOW MEASURING STATION | | SUPPLY FOR XX PIPING (SEE ABBREVIATIONS) |
| | BACKDRAFT DAMPER | | RETURN FOR XX PIPING (SEE ABBREVIATIONS) |
| | MANUAL BALANCING DAMPER | | NUMBER OF FIXTURE UNITS WATER HAMMER ARRESTER WITH ISOLATION VALVE |
| | HEATING OR COOLING COIL | | BASEBOARD HEAT UNIT - ENCLOSURE |
| | AIR FILTERS | | BASEBOARD HEAT - FIN TUBE |
| | RETURN AIR DUCT SECTION | | FLOOR DRAIN (WITH TRAP PRIMER) |
| | EXHAUST AIR DUCT SECTION | | HUB DRAIN |
| | SUPPLY OR OUTSIDE AIR DUCT SECTION | | FLOOR CLEANOUT |
| | EXHAUST GRILLE | | WALL OR HORIZONTAL CLEANOUT |
| | RETURN GRILLE | | HOSE BIBB |
| | SUPPLY DIFFUSER | | GAS CONCENTRATION SENSOR: xx = CO2 FOR CARBON DIOXIDE xx = CO FOR CARBON MONOXIDE |
| | ARROWS INDICATE AIR THROW DIRECTION | | TEMPERATURE SENSOR OR THERMOSTAT |
| | | | DUCT SMOKE DETECTOR |
| | | | DIRECTION OF AIR FLOW |
| | | | GRILLE, REGISTER OR DIFFUSER DESIGNATION |
| | | | FLOW RATE, CFM |
| | | | EQUIPMENT DESIGNATION (UH, EF, AHU, ETC.) |
| | | | SCHEDULE ITEM NUMBER |
| | | | BASEBOARD HEATER DESIGNATION |
| | | | FLOW RATE, GPM |
| | | | ACTIVE FIN TUBE LENGTH, FT. |
| | | | SHEET NOTE REFERENCE |
| | | | POINT OF CONNECTION |
| | | | PLUMBING FIXTURE DESIGNATION |

ALL SYMBOLS DO NOT NECESSARILY APPEAR ON DRAWINGS

MECHANICAL ABBREVIATIONS

| GENERAL AND UNITS | | EQUIPMENT | |
|-------------------|--|-----------|------------------------------|
| A | AMPS (AMPERES) | ACU | AIR CONDITIONING UNIT |
| AD | ACCESS DOOR | ACCU | AIR-COOLED CONDITIONING UNIT |
| ADA | AMERICANS WITH DISABILITIES ACT | AHU | AIR-HANDLING UNIT |
| AF | AIR FOIL | AS | AIR SEPARATOR |
| AFF | ABOVE FINISHED FLOOR | BB | BASEBOARD |
| AFG | ABOVE FINISHED GRADE | BLR | BOILER |
| AFT | AVERAGE FLUID TEMPERATURE | CC | COOLING COIL |
| AFUE | ANNUAL FUEL UTILIZATION EFFICIENCY | CH | CHILLER |
| AHAP | AS HIGH AS PRACTICABLE | CMR | COMPRESSOR |
| AHJ | AUTHORITY HAVING JURISDICTION | CMV | CONVECTOR |
| AL | ALUMINUM | CR | CONDENSATE RECEIVER |
| ALT | ALTERNATE | CU | CONDENSING UNIT |
| AMB | AMBIENT | CUH | CABINET UNIT HEATER |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | CVL | CONTROL VALVE |
| APD | AIR PRESSURE DROP | DC | DRY COOLER |
| APPROX | APPROXIMATE | DF | DRINKING FOUNTAIN |
| AR | ACID RESISTANT | DS | DUCT SILENCER |
| ARCH | ARCHITECTURAL | DSN | DOWNSPOUT NOZZLE |
| ASME | AMERICAN SOCIETY OF MECHANICAL ENGINEERS | DT | DAY TANK |
| ATM | ATMOSPHERE | DWT | DOMESTIC WATER TANK |
| AUTO | AUTOMATIC | EAT | ENTERING AIR TEMPERATURE |
| AVG | AVERAGE | EER | ENERGY EFFICIENCY RATIO |
| AWG | AMERICAN WIRE GAUGE | EG | ETHYLENE GLYCOL |
| AWT | AVERAGE WATER TEMPERATURE | EGT | ENTERING GLYCOL TEMPERATURE |
| BAS | BUILDING AUTOMATION SYSTEM | ELEC | ELECTRICAL |
| BHP | BRAKE HORSEPOWER | ELEV | ELEVATION |
| BI | BACKWARD INCLINED | ENT | ENTERING |
| BLDG | BUILDING | EQUI FT | EQUIVALENT FEET |
| BNZ | BRONZE | ESP | EXTERNAL STATIC PRESSURE |
| BTU | BRITISH THERMAL UNIT | ETR | EXISTING TO REMAIN |
| BTUH | BTU PER HOUR | EVAP | EVAPORATOR |
| CAP | CAPACITY | EWT | ENTERING WATER TEMPERATURE |
| CCW | COUNTER-CLOCKWISE | EXH | EXHAUST |
| CFH | CUBIC FEET PER HOUR | FA | FACE AREA OR FREE AREA |
| CFM | CUBIC FEET PER MINUTE | FC | FORWARD CURVED |
| CI | CAST IRON | FF | FINISHED FLOOR |
| CL | CENTER LINE | FLA | FULL LOAD AMPS |
| CLG | CEILING | FLEX | FLEXIBLE |
| CMU | CONCRETE MASONRY UNIT | FLR | FLOOR |
| COEF | COEFFICIENT | FO | FUEL OIL |
| CONC | CONCRETE | FP | FREEZING POINT |
| COND | CONDENSER | FPD | FLUID PRESSURE DROP |
| CONN | CONNECTION | FPF | FINS PER FOOT |
| CONT | CONTINUATION | FPI | FINS PER INCH |
| COP | COEFFICIENT OF PERFORMANCE | FPM | FEET PER MINUTE |
| CTR | CENTER | FPS | FEET PER SECOND |
| CU | COPPER | FT | FOOT OR FEET |
| CU FT | CUBIC FEET | FVEL | FACE VELOCITY |
| CU IN | CUBIC INCH | | |
| CV | VALVE FLOW COEFFICIENT | | |
| CW | CLOCKWISE | | |
| DB | DECIBEL | | |
| DBT | DRY-BULB TEMPERATURE | | |
| DDC | DIRECT DIGITAL CONTROL | | |
| DEG | DEGREE | | |
| DEG C | DEGREES CENTIGRADE | | |
| DEG F | DEGREES FAHRENHEIT | | |
| DEMO | DEMOLITION | | |
| DI | DUCTILE IRON | | |
| DIA OR Ø | DIAMETER | | |
| DIFF | DIFFERENCE | | |
| DN | DOWN | | |
| DOM | DOMESTIC | | |
| DTL | DETAIL | | |
| DWID | DOUBLE WIDTH DOUBLE INLET | | |
| DWG | DRAWING | | |
| DX | DIRECT EXPANSION | | |
| (E) | EXISTING | | |
| EA | EACH | | |
| EAT | ENTERING AIR TEMPERATURE | | |
| EER | ENERGY EFFICIENCY RATIO | | |
| EFF | EFFICIENCY | | |
| EFT | ENTERING FLUID TEMPERATURE | | |
| EG | ETHYLENE GLYCOL | | |
| EGT | ENTERING GLYCOL TEMPERATURE | | |
| ELEC | ELECTRICAL | | |
| ELEV | ELEVATION | | |
| ENT | ENTERING | | |
| EQUI FT | EQUIVALENT FEET | | |
| ESP | EXTERNAL STATIC PRESSURE | | |
| ETR | EXISTING TO REMAIN | | |
| EVAP | EVAPORATOR | | |
| EWT | ENTERING WATER TEMPERATURE | | |
| EXH | EXHAUST | | |
| FA | FACE AREA OR FREE AREA | | |
| FC | FORWARD CURVED | | |
| FF | FINISHED FLOOR | | |
| FLA | FULL LOAD AMPS | | |
| FLEX | FLEXIBLE | | |
| FLR | FLOOR | | |
| FO | FUEL OIL | | |
| FP | FREEZING POINT | | |
| FPD | FLUID PRESSURE DROP | | |
| FPF | FINS PER FOOT | | |
| FPI | FINS PER INCH | | |
| FPM | FEET PER MINUTE | | |
| FPS | FEET PER SECOND | | |
| FT | FOOT OR FEET | | |
| FVEL | FACE VELOCITY | | |
| GA | GAGE OR GAUGE | | |
| GAL | GALLONS | | |
| GALV | GALVANIZED | | |
| GPD | GALLONS PER DAY | | |
| GPH | GALLONS PER HOUR | | |
| GPM | GALLONS PER MINUTE | | |
| GR | GRAINS | | |
| HD | HEAD | | |
| HDPE | HIGH DENSITY POLYETHYLENE | | |
| HORIZ | HORIZONTAL | | |
| HP | HORSEPOWER | | |
| HR | HOUR(S) | | |
| HT | HEIGHT | | |
| HTG | HEATING | | |
| HVAC | HEATING, VENTILATING & AIR-CONDITIONING | | |
| HZ | FREQUENCY (HERTZ) | | |
| IAW | IN ACCORDANCE WITH | | |
| ID | DIAMETER, INSIDE | | |
| IMP | IMPELLER | | |
| IN HG | INCHES MERCURY | | |
| IN WG | INCHES WATER GAUGE | | |
| INSUL | INSULATION | | |
| K | THERMAL CONDUCTIVITY | | |
| KW | KILOWATT | | |
| KWH | KILOWATT HOUR | | |
| LAT | LEAVING AIR TEMPERATURE | | |
| LBS/HR | POUNDS PER HOUR | | |
| LBS | POUNDS | | |
| LF | LINEAL FEET | | |
| LFT | LEAVING FLUID TEMPERATURE | | |
| LGT | LEAVING GLYCOL TEMPERATURE | | |
| LP | LOW PRESSURE | | |
| LWT | LEAVING WATER TEMPERATURE | | |
| MAT | MIXED AIR TEMPERATURE | | |
| MAX | MAXIMUM | | |
| MBH | THOUSAND BTU PER HOUR | | |
| MCA | MINIMUM CIRCUIT AMPACITY | | |
| MECH | MECHANICAL | | |
| MERV | MINIMUM EFFICIENCY REPORTING VALUE | | |
| MFR | MANUFACTURER | | |
| MH | MANHOLE | | |
| MIN | MINIMUM | | |
| MOC | MAXIMUM OVERCURRENT PROTECTION | | |
| MPH | MILES PER HOUR | | |
| MTD | MOUNTED | | |
| N | NO | | |
| NA | NOT APPLICABLE | | |
| NC | NOISE CRITERIA, OR NORMALLY CLOSED | | |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION | | |
| NIC | NOT IN CONTRACT | | |
| NO | NORMALLY OPEN | | |
| NTS | NOT TO SCALE | | |
| OAT | OUTSIDE AIR TEMPERATURE | | |
| OC | ON CENTERS | | |
| OD | DIAMETER, OUTSIDE | | |
| OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED | | |
| OZ | OUNCE | | |
| PD | PRESSURE DROP | | |
| PG | PROPYLENE GLYCOL | | |
| PH | PHASE (ELECTRICAL) | | |
| PLBG | PLUMBING | | |
| PNL | PANEL | | |
| POC | POINT OF CONNECTION | | |
| PPH | POUNDS PER HOUR | | |
| PPM | PARTS PER MILLION | | |
| PRESS | PRESSURE | | |
| PROP | PROPELLER | | |
| PSI | POUNDS PER SQUARE INCH | | |
| PSIA | POUNDS PER SQUARE INCH - ABSOLUTE | | |
| PSID | POUNDS PER SQUARE INCH - DIFFERENTIAL | | |
| PSIG | POUNDS PER SQUARE INCH - GAUGE | | |
| QTY | QUANTITY | | |
| RAD | RADIANT OR RADIATION | | |
| RAT | RETURN AIR TEMPERATURE | | |
| RCVR | RECEIVER | | |
| RECIRC | RECIRCULATE | | |
| RED | REDUCER | | |
| REF | REFERENCE | | |
| REFRIG | REFRIGERANT | | |
| REV | REVOLUTIONS | | |
| RH | RELATIVE HUMIDITY | | |
| RM | ROOM | | |
| RPM | REVOLUTIONS PER MINUTE | | |
| S | SENSOR | | |
| SAT | SUPPLY AIR TEMPERATURE | | |
| SCFM | STANDARD CUBIC FEET PER MINUTE | | |
| SCHD | SCHEDULE | | |
| SF | SQUARE FEET | | |
| SH | SENSIBLE HEAT | | |
| SHG | SENSIBLE HEAT GAIN | | |
| SHR | SENSIBLE HEAT RATIO | | |
| SHT | SHEET | | |
| SP | STATIC PRESSURE | | |
| SPD | STATIC PRESSURE DROP | | |
| SPEC | SPECIFICATION | | |
| SPKLR | SPRINKLER | | |
| SQ | SQUARE | | |
| SS | STAINLESS STEEL | | |
| STD | STANDARD | | |
| SWSI | SINGLE WIDTH SINGLE INLET | | |
| TD | TEMPERATURE DROP/DIFFERENCE | | |
| TEMP | TEMPERATURE | | |
| THRU | THROUGH | | |
| TSP | TOTAL STATIC PRESSURE | | |
| TSTAT | THERMOSTAT | | |
| TYP | TYPICAL | | |
| UG | UNDERGROUND | | |
| UNO | UNLESS NOTED OTHERWISE | | |
| V | VOLTS OR VOLTAGE | | |
| VAC | VOLTS (ALTERNATING CURRENT) | | |
| VAV | VARIABLE AIR VOLUME | | |
| VDC | VOLTS (DIRECT CURRENT) | | |
| VEL | VELOCITY | | |
| VERT | VERTICAL | | |
| VFD | VARIABLE FREQUENCY DRIVE | | |
| VOL | VOLUME | | |
| VP | VELOCITY PRESSURE | | |
| VSD | VARIABLE SPEED DRIVE | | |
| WATT | WATT | | |
| W/ | WITH | | |
| W/O | WITHOUT | | |
| WB | WET BULB | | |
| WBT | WET-BULB TEMPERATURE | | |
| WG | WATER GAUGE | | |
| WP | WEATHER-PROOF | | |
| WPD | WATER PRESSURE DROP | | |
| | | | |

FILE: \\ANGFILE2\JOBS\1331601\DWGS\M\1331601_M0.2 - SCHED.DWG PLOTTED: Jun 5, 2014 - 10:53:34 AM (Donald Brown)

PLUMBING FIXTURE CONNECTION SCHEDULE

| TAG | FIXTURE | MOUNTING | TRAP (IN) | WASTE (IN) | VENT (IN) | CW (IN) | HW (IN) | TW (IN) | FIXTURE - DESIGN BASIS PRODUCT | | | FAUCET/VALVE - DESIGN BASIS PRODUCT | | NOTES | TAG |
|-------|---------------------|----------|-----------|------------|-----------|---------|---------|---------|--------------------------------|-----------|---------------|-------------------------------------|-------------|--|-------|
| | | | | | | | | | MFR. | MODEL | MATERIAL | MFR. | MODEL | | |
| WC-1 | WATER CLOSET | WALL | - | 4 | 2 | 1 | - | - | SLOAN | ST-2059-A | V. CHINA | SLOAN | 8111-1.28 | BATTERY-POWERED FLUSH VALVE; OPEN FRONT SEAT | WC-1 |
| WC-2 | WATER CLOSET - ADA | WALL | - | 4 | 2 | 1 | - | - | SLOAN | ST-2059-A | V. CHINA | SLOAN | 8111-1.28 | BATTERY-POWERED FLUSH VALVE; OPEN FRONT SEAT | WC-2 |
| UR-1 | URINAL | WALL | - | 2 | 1 1/2 | 3/4 | - | - | SLOAN | SU-1009-A | V. CHINA | SLOAN | 8186-0.125 | BATTERY-POWERED FLUSH VALVE | UR-1 |
| LAV-1 | LAVATORY | COUNTER | 1 1/4 | 1 1/2 | 1 1/2 | 1/2 | 1/2 | - | AM. STD. | 0491.019 | V. CHINA | SLOAN | SF-2350-BDM | BATTERY-POWERED; BELOW-DECK MECHANICAL MIXING VALVE MODEL MIX-135-A | LAV-1 |
| SNK-1 | SINK (CLSRM 119) | COUNTER | 1 1/2 | 2 | 1 1/2 | 1/2 | 1/2 | - | ELKAY | LR-1919 | S.S. | DELTA | 2179 LF | SINGLE COMPARTMENT; GRID STRAINER | SNK-1 |
| SNK-2 | SINK (CLSRM 113) | WALL | 2 | 2 | 1 1/2 | 3/4 | 3/4 | - | COLUMBIA | 58WFL | S.S. | CHICAGO | 510-GCLABCP | PROVIDE TWO EACH SPRAY FAUCETS. PROVIDE 3/4" CW HOSE BIBB UNDER SINK. | SNK-2 |
| DF-1 | DRINKING FOUNTAIN | WALL | 1 1/4 | 1 1/2 | 1 1/4 | 1/2 | - | - | ELKAY | EZSDWS | S.S. | - | - | WITH INTEGRAL BOTTLE FILLING STATION | DF-1 |
| HB-1 | HOSE BIBB | WALL | - | - | - | 3/4 | - | - | WOODFORD | 65 | ROUGH BRASS | - | - | EXTERIOR, NON-FREEZE | HB-1 |
| EW-1 | EMERGENCY EYEWASH | WALL | - | - | - | 1/2 | 1/2 | - | - | - | - | - | - | EXISTING, RELOCATED. INTEGRAL MIXING VALVE. | EW-1 |
| FD-1 | FLOOR DRAIN | FLOOR | 2 | 2 | 1 1/2 | 1/2 | - | - | SIOUX CHIEF | 842-2NRV | ABS | - | - | W/TRAP PRIMER; ROUND NICKEL-BRONZE STRAINER | FD-1 |
| RD-1 | ROOF DRAIN | ROOF | - | 2 | - | - | - | - | SIOUX CHIEF | 868-1503 | C.I. | - | - | - | RD-1 |
| ORD-1 | OVERFLOW ROOF DRAIN | ROOF | - | 2 | - | - | - | - | SIOUX CHIEF | 868-1503 | C.I. | - | - | 2" WATER DAM | ORD-1 |
| DSN-1 | DOWN SPOUT NOZZLE | WALL | - | 3 | - | - | - | - | J.R.SMITH | 1770 | NICKEL-BRONZE | - | - | - | DSN-1 |

HYDRONIC CABINET UNIT HEATER SCHEDULE

| TAG | LOCATION | MBH | CFM | FLUID | GPM | EFT (°F) | LFT (°F) | FPD (FT-WG) | ELECTRICAL | | | DESIGN BASIS PRODUCT | | NOTES |
|-------|---------------|------|-----|--------|-----|----------|----------|-------------|------------|------|----|----------------------|----------|-------|
| | | | | | | | | | HP | VOLT | PH | MFR. | MODEL | |
| CUH-1 | VESTIBULE 101 | 11.1 | 185 | 50% PG | 1.2 | 180 | 160 | 0.1 | 1/15 | 120 | 1 | BEACON-MORRIS | RWI-1130 | 1 |

NOTES:
1. RECESSED WALL, INVERTED AIRFLOW, MOUNT 1'-0" AFF.

HYDRONIC UNIT HEATER SCHEDULE

| TAG | LOCATION | MBH | AIRFLOW (CFM) | FLUID | FLOW (GPM) | EFT (°F) | LFT (°F) | FPD (IN-WG) | MOUNTING HEIGHT (FT) | ELECTRICAL | | | DESIGN BASIS PRODUCT | | NOTES |
|------|--------------|-----|---------------|--------|------------|----------|----------|-------------|----------------------|------------|------|----|----------------------|---------|-------|
| | | | | | | | | | | HP | VOLT | PH | MFR. | MODEL | |
| UH-1 | ART STOR 121 | 8.0 | 245 | 50% PG | 0.8 | 180 | 160 | 0.8 | 8 | 1/50 | 120 | 1 | BEACON-MORRIS | HB-108A | |

PUMP SCHEDULE

| TAG | SERVICE | GPM | HEAD | FLUID | BODY | TEMP. (°F) | RPM | ELECTRICAL | | | DESIGN BASIS PRODUCT | | NOTES |
|-------|------------|-----|------|--------|------|------------|-----|------------|-------|-------|----------------------|---------------|-------|
| | | | | | | | | HP | VOLTS | PHASE | MFR. | MODEL | |
| PMP-1 | HTG (LEAD) | 17 | 57 | 50% PG | CI | 180 | | 1 | 208 | 1 | GRUNDFOS | MAGNA3 40-180 | |
| PMP-2 | HTG (LAG) | 17 | 57 | 50% PG | CI | 180 | | 1 | 208 | 1 | GRUNDFOS | MAGNA3 40-180 | |
| PMP-3 | BOILER | 47 | 10 | 50% PG | CI | 180 | | 1/3 | 120 | 1 | GRUNDFOS | UPS 50-40/4 | |

NOTES:
1. PUMP HEAD INCLUDES ALLOWANCE FOR 50% P.G.

FAN SCHEDULE

| TAG | LOCATION | CFM | ESP/TSP (IN-WG) | RPM | TYPE | | DRIVE | ELECTRICAL | | | VSD | DESIGN BASIS PRODUCT | | NOTES |
|------|-------------|-----|-----------------|------|------------|-------|--------|------------|-------|-------|-----|----------------------|-----------|-------|
| | | | | | FAN | WHEEL | | HP | VOLTS | PHASE | | MFR. | MODEL | |
| EF-1 | ROOF | 280 | 0.25/0.25 | - | CENT. ROOF | BI | DIRECT | 1/4 | 120 | 1 | Y | LOREN COOK | 90C17DEC | 1 |
| EF-2 | ROOF/RM 113 | 620 | 0.25/0.25 | 1307 | CENT. ROOF | BI | DIRECT | 1/4 | 120 | 1 | Y | LOREN COOK | 101C17DEC | 1 |
| VF-1 | STORAGE 111 | 472 | 0.13/0.13 | | DUAL AXIAL | PROP | DIRECT | 82W | 120 | 1 | N | LOREN COOK | CBF | 2 |

NOTES:
1. ELECTRICALLY COMMUTATED MOTOR WITH FAN SPEED CONTROL MOUNTED ABOVE CEILING.
2. MOUNT AT MAXIMUM ELEVATION BELOW STORAGE ROOM CEILING.

VARIABLE AIR VOLUME TERMINAL SCHEDULE

| TAG | SIZE | | AIRFLOW | | | STATIC PRESSURE | | | NC LEVELS | | DESIGN BASIS PRODUCT | | NOTES |
|-------|------------|-------------|------------|------------|------------|-----------------|----------------|-------------|-----------|--------|----------------------|-------|-------|
| | INLET (IN) | OUTLET (IN) | MAX. (CFM) | MIN. (CFM) | HEAT (CFM) | INLET (IN-WG) | OUTLET (IN-WG) | APD (IN-WG) | RAD. | DISCH. | MFR. | MODEL | |
| VAV-1 | 8 | 11x10 | 599 | 150 | - | 0.29 | 0.25 | 0.036 | 19 | 20 | TRANE | VCCF | |
| VAV-2 | 10 | 14X12 | 886 | 200 | - | 0.61 | 0.25 | 0.010 | 21 | 17 | TRANE | VCCF | |
| VAV-3 | 10 | 14X12 | 836 | 200 | - | 0.51 | 0.25 | 0.010 | 20 | 17 | TRANE | VCCF | |
| VAV-4 | 8 | 11X10 | 470 | 113 | - | 0.79 | 0.25 | 0.022 | 16 | 19 | TRANE | VCCF | |
| VAV-5 | 8 | 11X10 | 470 | 113 | - | 0.79 | 0.25 | 0.022 | 16 | 19 | TRANE | VCCF | |
| VAV-6 | 8 | 11X10 | 542 | 340 | - | 0.56 | 0.25 | 0.029 | 17 | 20 | TRANE | VCCF | |
| VAV-7 | 5 | 10X8 | 191 | 90 | - | 0.66 | 0.25 | 0.010 | 15 | 21 | TRANE | VCCF | |
| VAV-8 | 10 | 14X12 | 1013 | 351 | - | 0.27 | 0.25 | 0.010 | 22 | 19 | TRANE | VCCF | |
| VAV-9 | 10 | 14X12 | 1006 | 399 | - | 0.33 | 0.25 | 0.010 | 22 | 19 | TRANE | VCCF | |



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Sheet Contents:
MECHANICAL EQUIPMENT SCHEDULES
(1 of 2)

Sheet No.:

M0.2

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ROOFTOP UNIT SCHEDULE

| TAG | AIRFLOW (CFM) | | ESP (IN-WG) | DX COOLING | | | | | HEATING | | | FILTERS | GAS INLET PRESSURE | | ELECTRICAL | | | | DESIGN BASIS PRODUCT | | NOTES |
|-------|---------------|---------|-------------|-------------|----------------|--------------|-----------------|------|-------------|--------------|-----------------|---------|--------------------|--------------|------------|-------|-----|------|----------------------|----------|-------|
| | SUPPLY | OUTSIDE | | TOTAL (MBH) | SENSIBLE (MBH) | NOMINAL TONS | AMB. TEMP. (°F) | EER | INPUT (MBH) | OUTPUT (MBH) | TEMP. RISE (°F) | | MIN. (IN-WG) | MAX. (IN-WG) | VOLT | PHASE | MCA | MOCP | MFR. | MODEL | |
| RTU-1 | 4761 | 1460 | 1.25 | 136.9 | 106.5 | 12.5 | 85 | 12.1 | 350 | 284 | - | STD. 2" | 2.5 | 14 | 460 | 3 | 32 | 40 | TRANE | YHD150F4 | 1 |

NOTES:
 1. INTEGRAL VARIABLE FREQUENCY DRIVE WITH BYPASS. PROVIDE GAS PRESSURE REGULATOR AT THE UNIT TO REDUCE FROM 2 PSIG TO 11 INCHES W.C. EAT: 75 DEGREES F DB / 62 DEGREES F WB.
 PROVIDE OPTIONS: STAINLESS STEEL HEAT EXCHANGER; CO2 SENSOR WIRING; CONDENSATE OVERFLOW SWITCH; HINGED ACCESS DOORS; MODULATING GAS HEAT WITH 5:1 TURNDOWN; BACNET OR LONTALK COMMUNICATIONS INTERFACE; CLOGGED FILTER/FAN FAILURE SWITCH; ECONOMIZER; MOTORIZED OUTSIDE AIR DAMPER; POWERED EXHAUST; ROOF CURB.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

| TAG | TYPE | MOUNTING | | | | | | DIMENSIONS (INCH) | | | | | | AIRSIDE | | | | | CONSTRUCTION | | | | | | BLADES/BARS | | | | DESIGN BASIS PRODUCT | | NOTES |
|------|------------|----------|--------|---------|------|-------|------|-------------------|--------|-----|-------|--------|-------|---------|-------------|------------|----------------------|---------|--------------|------|-------|-------|-------|--------|-------------|------|------|----------|----------------------|---------|-------|
| | | CEILING | LAY-IN | SURFACE | WALL | FLOOR | DUCT | FACE | | | NECK | | | CFM | APD (IN-WG) | SOUND (NC) | THROW AT 50FFPM (FT) | PATTERN | STEEL | ALUM | WHITE | OTHER | FIXED | ADJUST | DOUBLE | | | | MFR. | MODEL | |
| | | | | | | | | WIDTH | LENGTH | DIA | WIDTH | LENGTH | DIA | | | | | | | | | | | | OC | 1/2" | 3/4" | 0° ANGLE | | | |
| SD-1 | SLOT | X | X | | | | | 48 | | | 10 | 300 | 0.04 | 26 | 27 | X | X | | | | | X | | | | | | | TITUS | TBDI-10 | 1 |
| SD-2 | SLOT | X | X | | | | | 48 | | | 8 | 250 | 0.03 | 25 | 25 | X | X | | | | | X | | | | | | | TITUS | TBDI-10 | 1 |
| SD-3 | SLOT | X | X | | | | | 48 | | | 8 | 180 | 0.07 | 25 | 34 | X | X | | | | | X | | | | | | | TITUS | TBDI-10 | 2 |
| EG-1 | EGGCRATE | X | | X | | | | 6 | 6 | 6 | 6 | 152 | 0.10 | 22 | - | X | X | X | | | | | | | X | | | TITUS | 50R | | |
| EG-2 | EGGCRATE | X | X | | | | | 24 | 24 | 12 | 12 | 620 | 0.07 | 18 | - | X | X | | | | | | | | | | | TITUS | 50R | | |
| RG-1 | EGGCRATE | X | X | | | | | 24 | 48 | 20 | 46 | 3052 | 0.02 | - | - | X | X | | | | | | | | | | | TITUS | 50R | | |
| RG-2 | PERFORATED | X | X | | | | | 24 | 24 | 22 | 22 | 300 | <0.01 | - | - | X | X | X | | | | | | | | | | TITUS | 8R | | |
| RG-3 | EGGCRATE | X | X | | | | | 24 | 24 | | | 1000 | 0.01 | - | - | X | X | X | | | | | | | | | | TITUS | 50R | | |
| TG-1 | BAR | | | | X | | | 8 | 24 | 8 | 24 | 300 | 0.01 | - | - | X | X | | | | X | | | X | X | | | TITUS | 350ZRL | | |
| TG-2 | BAR | | | | X | | | 12 | 12 | 12 | 12 | 440 | 0.05 | 11 | - | X | X | | | | X | | | X | X | | | TITUS | 350ZRL | | |

TAGS: SD = SUPPLY DIFFUSER; RG = RETURN GRILLE; EG = EXHAUST GRILLE; TG = TRANSFER GRILLE
 PATTERN: 1 = 1-WAY; 2 = 2-WAY(180°); C = 2-WAY(90°) 3 = 3-WAY; 4 = 4-WAY
 GENERAL NOTE: NOMINAL AIRFLOW SCHEDULED. INDIVIDUAL DESIGN AIRFLOW (CFM) INDICATED ON PLANS.

NOTES:
 1. INTEGRAL PLENUM WITH INTERNAL INSULATION. 2 SLOTS @ 1.5-INCH WIDE.
 2. INTEGRAL PLENUM WITH INTERNAL INSULATION. 1 SLOT @ 1.5-INCH WIDE.

BASEBOARD SCHEDULE

| TAG | UNIT CAPACITY (BTUH/LF) | FLUID | EFT (°F) | LFT (°F) | EAT (°F) | ELEMENT | | | | ENCLOSURE | | | DESIGN BASIS PRODUCT | | NOTES |
|------|-------------------------|--------|----------|----------|----------|---------|---------------|-------|-----|------------|-------------|----|----------------------|-------------|-------|
| | | | | | | TUBE | FINS | TIERS | FPF | TYPE | HEIGHT (IN) | GA | MFR. | MODEL | |
| BB-1 | 900 | 50% PG | 180 | 160 | 65 | 3/4" CU | 2-3/4"x4" | 1 | 32 | TOP GRILLE | 24 | 18 | RITTILING | BG5 | 1 |
| BB-2 | 1740 | 50% PG | 180 | 160 | 65 | 3/4" CU | 4-1/4"x4-1/4" | 2 | 48 | SLOPE TOP | 20 | 18 | RITTILING | FS5 | 1 |
| BB-3 | 1460 | 50% PG | 180 | 160 | 65 | 3/4" CU | 4-1/4"x4-1/4" | 1 | 48 | SLOPE TOP | 20 | 18 | RITTILING | FS5 | 1 |
| BB-4 | 616 | 50% PG | 180 | 160 | 65 | 3/4" CU | 2-3/4"x4" | 1 | 32 | - | - | - | RITTILING | FINNED TUBE | |

NOTES:
 1. ENCLOSURE HEIGHT DOES NOT INCLUDE 4" CLEAR SPACE UNDERNEATH BASEBOARD ENCLOSURE.
 2. UNIT CAPACITY LISTED IS NOMINAL UNCORRECTED VALUE. FIN TUBE LENGTHS ON PLANS ACCOUNT FOR GLYCOL AND EFT (ENTERING FLUID TEMPERATURE) CORRECTION FACTORS.

SEQUENCES OF OPERATION:

- GENERAL:
 - ALL SETPOINTS SHALL BE ADJUSTABLE.
 - APPROPRIATE DEADBANDS SHALL BE PROVIDED TO PREVENT SIMULTANEOUS HEATING AND COOLING, AND SHORT-CYCLING OF EQUIPMENT.
 - INCORPORATE TIME DELAYS INTO INDIVIDUAL SYSTEM CONTROL STRATEGIES TO EFFECT APPROPRIATE RESPONSE TIMES.
 - PROVIDE OCCUPIED/UNOCCUPIED EQUIPMENT ENABLE/DISABLE AND NIGHT/WEEKEND TEMPERATURE SETBACK CONTROL.
 - ALARMS SHALL BE GENERATED TO INDICATE EQUIPMENT FAILURE.
- HEATING:
 - THE EXISTING SNOWMELT BOILER SHALL BE INTEGRATED INTO THE EXISTING BUILDING HEATING BOILERS PIPING, AS INDICATED ON THE DRAWINGS. THIS BOILER'S BURNER SHALL BE CONTROLLED BY EXISTING INTEGRAL CONTROLS. THE BOILER ENABLE/DISABLE AND RUN-TIME CYCLING SHALL BE INTEGRATED INTO THE EXISTING BUILDING HEATING BOILERS CONTROL.
 - BOILER CIRC PUMP, PMP-3, SHALL RUN WHEN THE BOILER IS FIRING AND SHUT OFF 5 MINUTES AFTER THE BOILER STOPS FIRING.
 - HEATING CIRCULATION PUMPS, PMP-1 AND PMP-2, SHALL ALTERNATE LEAD AND LAG DUTY TO EQUALIZE RUN TIME. THE LAG PUMP SHALL AUTOMATICALLY ENERGIZE IF THE LEAD PUMP FAILS. THE LEAD PUMP SHALL RUN WHEN THE OUTDOOR TEMPERATURE IS BELOW 65 DEGREES F, AND SHALL BE OFF AT OUTDOOR TEMPERATURES OF 65 DEGREES F AND ABOVE. THESE PUMPS HAVE INTERNAL PRESSURE CONTROL CAPABILITIES THAT VARY THE PUMP'S FLOW BASED ON VARIATIONS IN THE SYSTEM BACK-PRESSURE CREATED BY THE OPERATION OF THE VARIOUS BASEBOARD CONTROL VALVES.
 - BASEBOARD, BB-1, BB-2, BB-3, AND BB-4, 2-WAY CONTROL VALVE SHALL CYCLE IN RESPONSE TO A WALL-MOUNTED TEMPERATURE SENSOR TO MAINTAIN ROOM TEMPERATURE SETPOINT.
 - CABINET UNIT HEATER, CUH-1, FAN SHALL CYCLE ON/OFF IN RESPONSE TO A WALL-MOUNTED TEMPERATURE SENSOR TO MAINTAIN SETPOINT.
 - UNIT HEATER, UH-1, FAN SHALL CYCLE ON/OFF IN RESPONSE TO A WALL-MOUNTED TEMPERATURE SENSOR TO MAINTAIN SETPOINT.
- VENTILATION AND COOLING:
 - ROOF-TOP UNIT, RTU-1, SHALL PROVIDE VENTILATION AND COOLING DURING THE BUILDING OCCUPIED MODE BY MEANS OF INTEGRAL CONTROLS IN RESPONSE TO OUTSIDE AIR TEMPERATURE, SUPPLY AIR TEMPERATURE SETPOINT, AND VAV BOX CONTROL. WHEN RTU-1 IS OFF (DURING UNOCCUPIED PERIODS), THE OUTSIDE AND RELIEF AIR DAMPERS SHALL BE CLOSED, THE RETURN AIR DAMPER OPEN, AND THE RELIEF FAN OFF. WHEN RTU-1 IS RUNNING, ITS INTEGRAL VARIABLE FREQUENCY DRIVE SHALL MODULATE THE SUPPLY AIR FLOW IN RESPONSE TO A SUPPLY AIR DUCT STATIC PRESSURE SENSOR. DURING OCCUPIED HEATING SEASON PERIODS (ALL VAV BOXES ARE AT THEIR MINIMUM AIRFLOW POSITIONS), THE OUTSIDE AIR DAMPER SHALL BE IN ITS MINIMUM POSITION AND THE GAS-FIRED HEATING SECTION SHALL MODULATE TO MAINTAIN A SUPPLY AIR DISCHARGE TEMPERATURE OF 65 DEGREES F. AS VAV BOXES MODULATE TOWARDS OPEN IN RESPONSE TO A CALL FOR COOLING BY THEIR RESPECTIVE THERMOSTATS, THE FAN SPEED SHALL RAMP UP TO MAINTAIN SUPPLY AIR DUCT STATIC PRESSURE AND THE ECONOMIZER CONTROL SHALL TAKE OVER CONTROL OF THE OUTSIDE AND RETURN AIR DAMPERS TO MAINTAIN A SUPPLY AIR TEMPERATURE OF 55 DEGREES F. IF THE SUPPLY AIR TEMPERATURE CANNOT BE MAINTAINED WITH THE OUTSIDE AIR DAMPER IN THE FULL OPEN POSITION, THE RTU'S DX COOLING SYSTEM SHALL ENERGIZE AND CYCLE TO MAINTAIN THE SUPPLY AIR TEMPERATURE AT 55 DEGREE F. ONCE THE OUTSIDE AIR TEMPERATURE EXCEEDS 75 DEGREES F, THE OUTSIDE AIR DAMPER SHALL GO TO ITS MINIMUM POSITION AND THE RETURN AIR DAMPER SHALL GO TO ITS CORRESPONDING POSITION. THE INTEGRAL RELIEF FAN AND DAMPER IN THE RTU WILL CYCLE AS NECESSARY TO MAINTAIN A MAXIMUM BUILDING STATIC PRESSURE OF 0.05 INCHES DURING THE BUILDING OCCUPIED MODE. THE RTU SHALL SHUTDOWN IN RESPONSE TO A SIGNAL FROM THE DUCT SMOKE DETECTOR LOCATED IN THE MAIN RETURN AIR DUCT (SEE ELECTRICAL).
 - VAV BOXES, VAV-1 THROUGH VAV-9, SHALL MODULATE THEIR INLET DAMPERS FROM MINIMUM TO MAXIMUM POSITION IN RESPONSE TO A WALL-MOUNTED TEMPERATURE SENSOR TO MAINTAIN ROOM TEMPERATURE SETPOINT. BASEBOARD CONTROL SHALL BE SEQUENCED WITH VAV BOX CONTROL TO ELIMINATE SIMULTANEOUS HEATING AND DX COOLING.
 - RESTROOMS EXHAUST FAN, EF-1, SHALL RUN DURING OCCUPIED PERIODS AND BE OFF DURING UNOCCUPIED PERIODS.
 - VISUAL ARTS CLASSROOM EXHAUST FAN, EF-2, SHALL BE CONTROLLED BY A MANUAL WALL SWITCH.
 - VENTILATION FAN, VF-1, SHALL CYCLE ON/OFF IN RESPONSE TO A WALL-MOUNTED TEMPERATURE SENSOR IN STORAGE ROOM 111.



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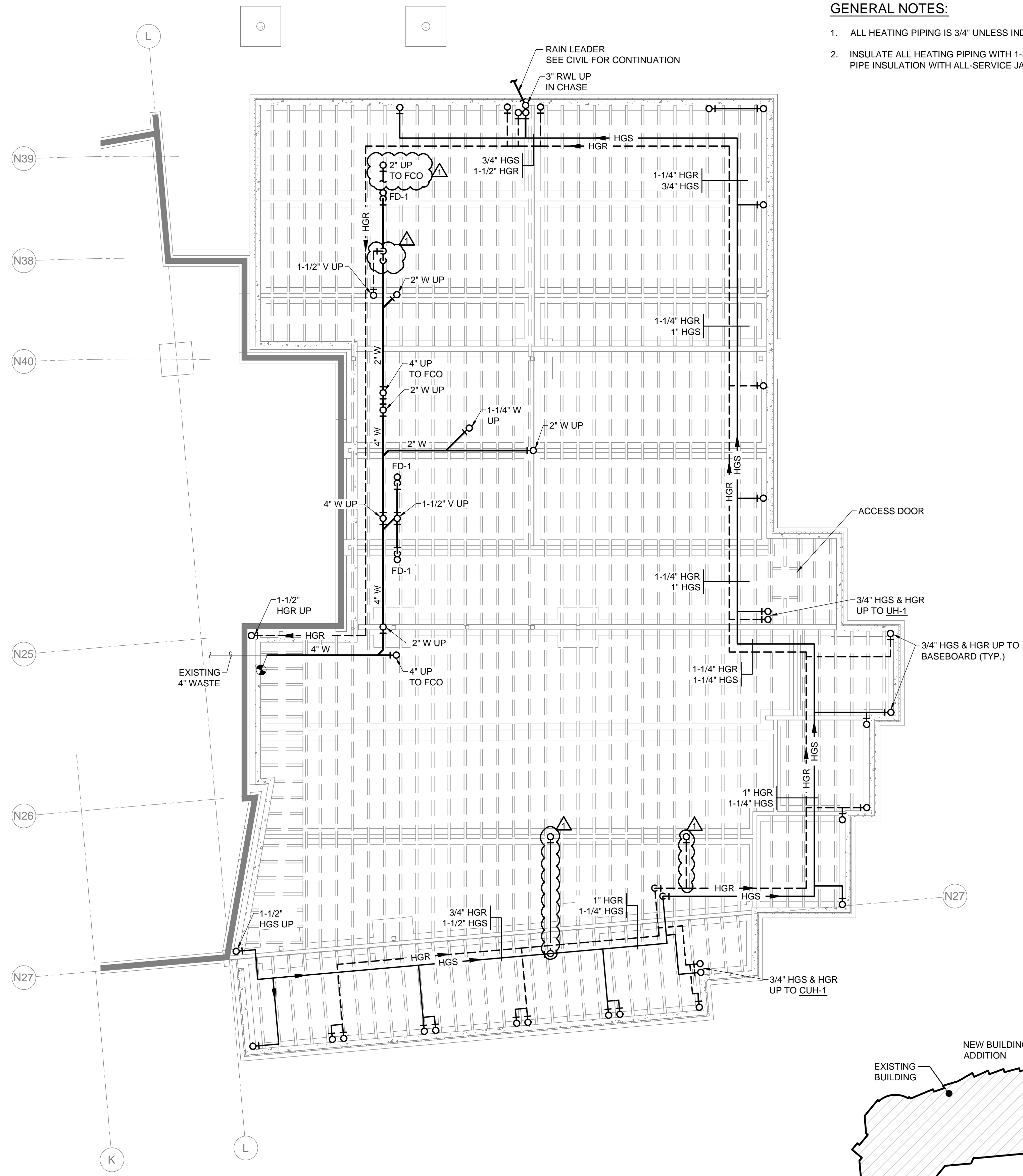
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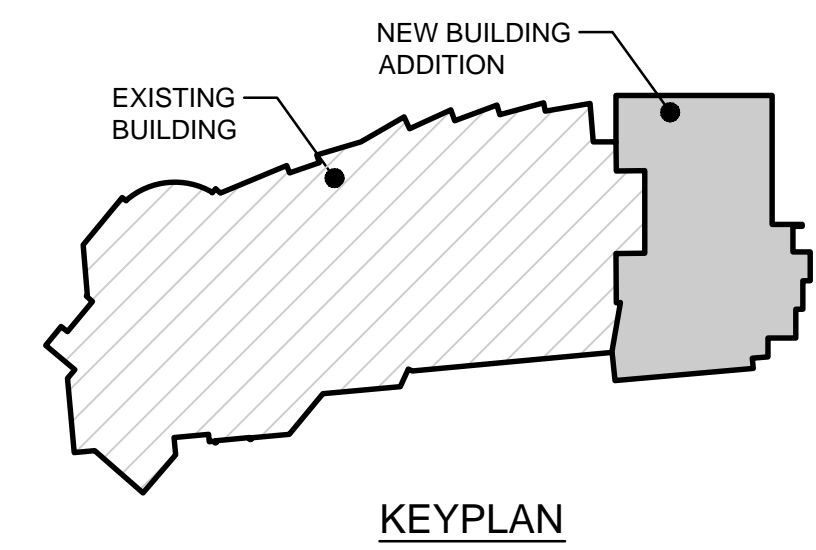
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- GENERAL NOTES:**
1. ALL HEATING PIPING IS 3/4" UNLESS INDICATED OTHERWISE.
 2. INSULATE ALL HEATING PIPING WITH 1-INCH THICK FIBERGLASS PIPE INSULATION WITH ALL-SERVICE JACKET.



1 CRAWLSPACE PLAN
M1.1 SCALE: 1/8" = 1'-0"



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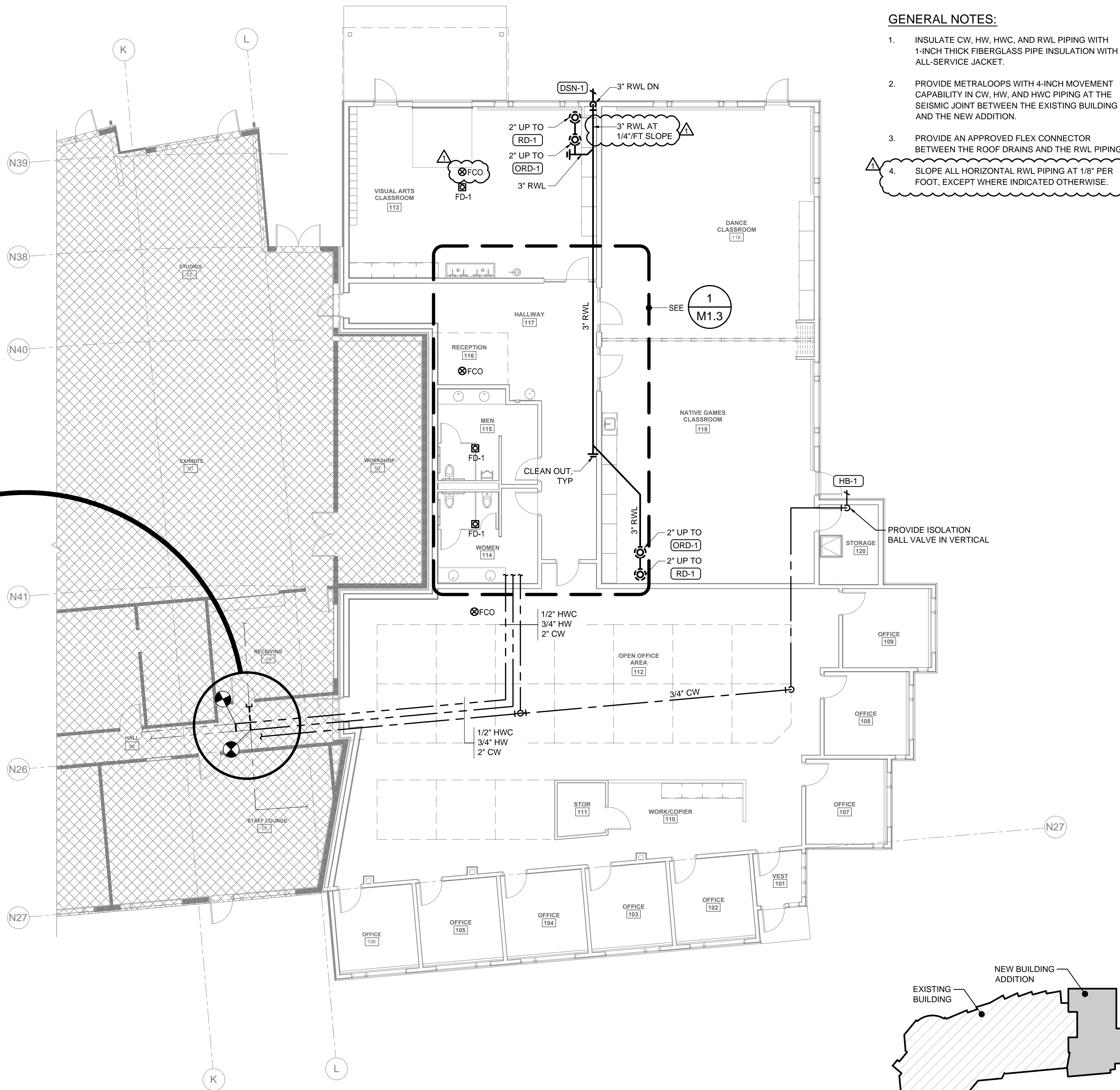
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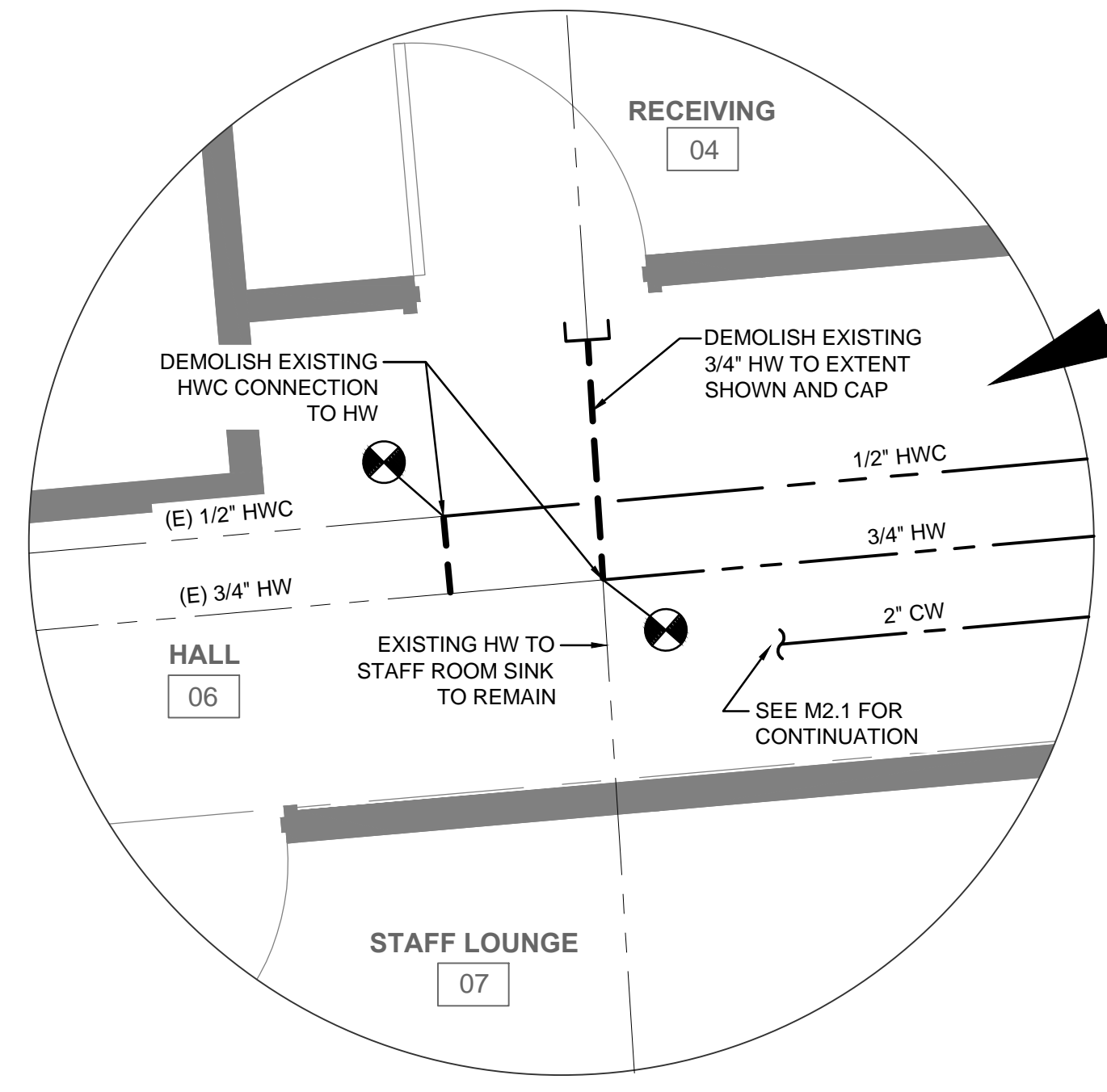
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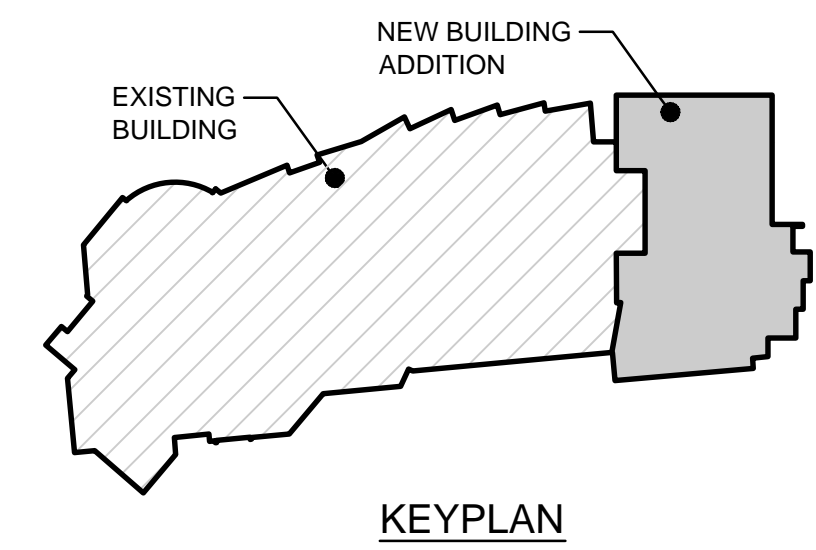


- GENERAL NOTES:**
- INSULATE CW, HW, HWC, AND RWL PIPING WITH 1-INCH THICK FIBERGLASS PIPE INSULATION WITH ALL-SERVICE JACKET.
 - PROVIDE METRALOOPS WITH 4-INCH MOVEMENT CAPABILITY IN CW, HW, AND HWC PIPING AT THE SEISMIC JOINT BETWEEN THE EXISTING BUILDING AND THE NEW ADDITION.
 - PROVIDE AN APPROVED FLEX CONNECTOR BETWEEN THE ROOF DRAINS AND THE RWL PIPING.
 - SLOPE ALL HORIZONTAL RWL PIPING AT 1/8" PER FOOT, EXCEPT WHERE INDICATED OTHERWISE.



2 ENLARGED PIPING DETAIL
M1.2 SCALE: 1/2" = 1'-0"

1 PLUMBING PLAN
M1.2 SCALE: 1/8" = 1'-0"



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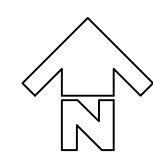
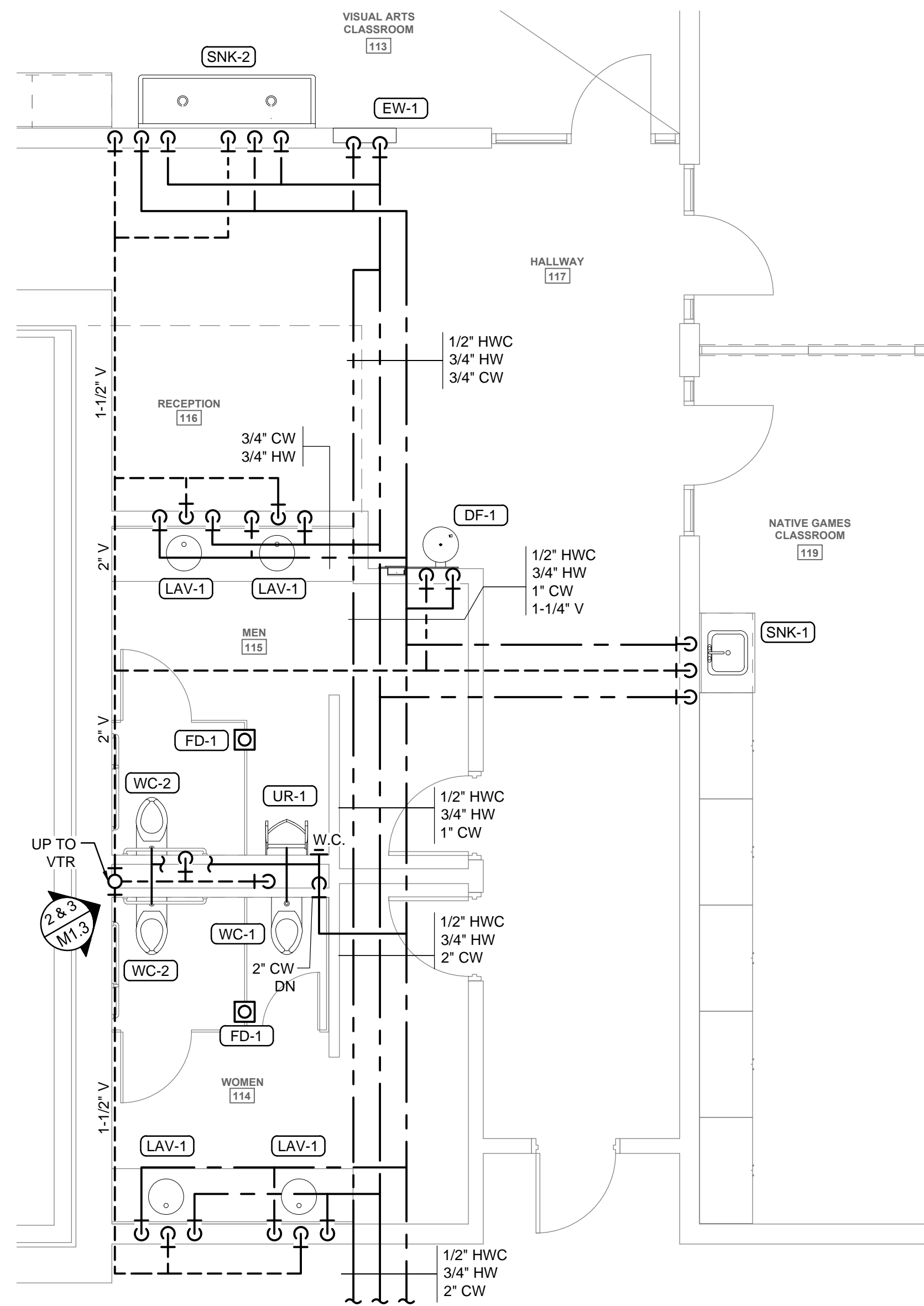
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| Date | 06/02/2014 |

Sheet Contents:
MECHANICAL PLUMBING PLAN

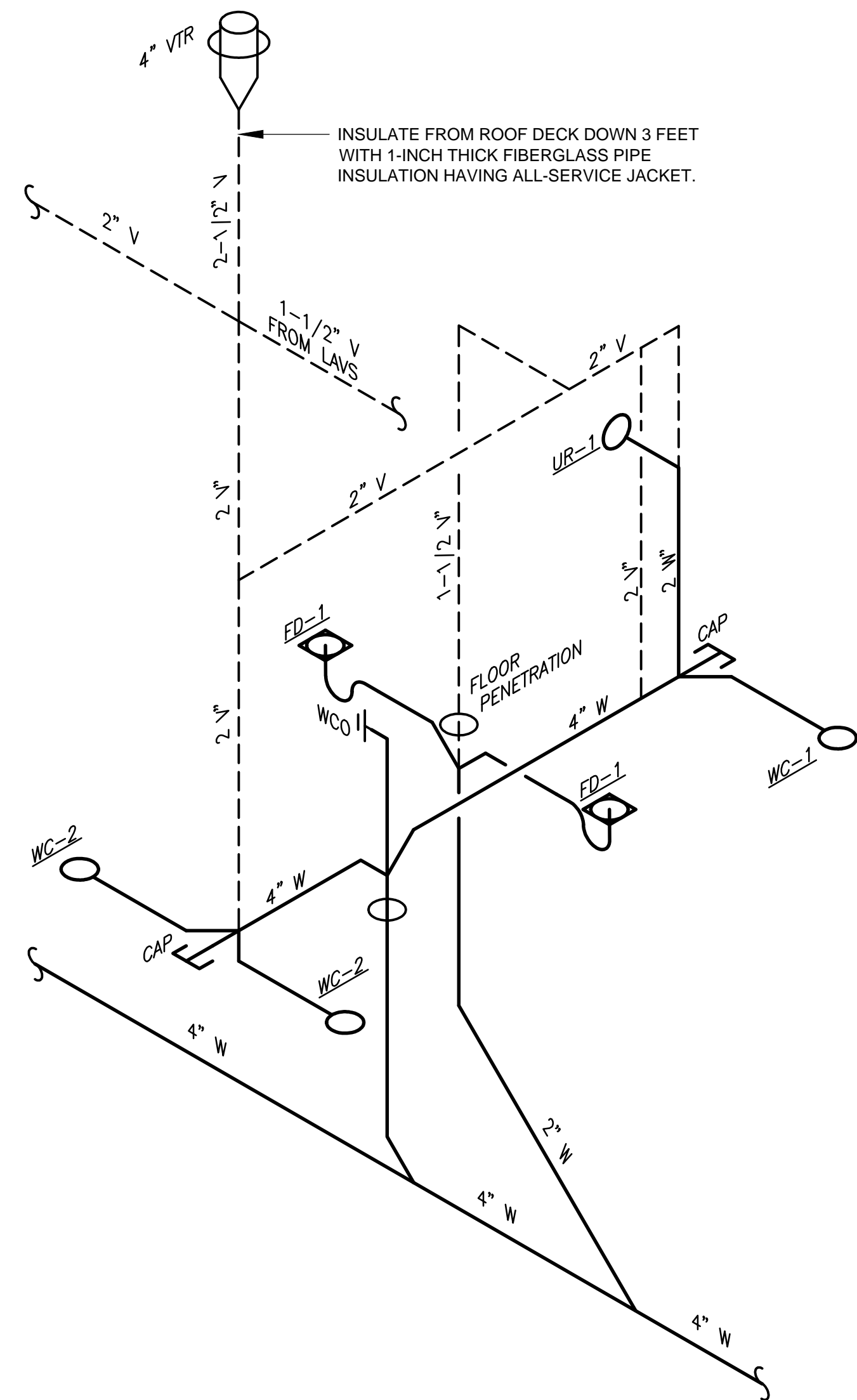
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M1.2

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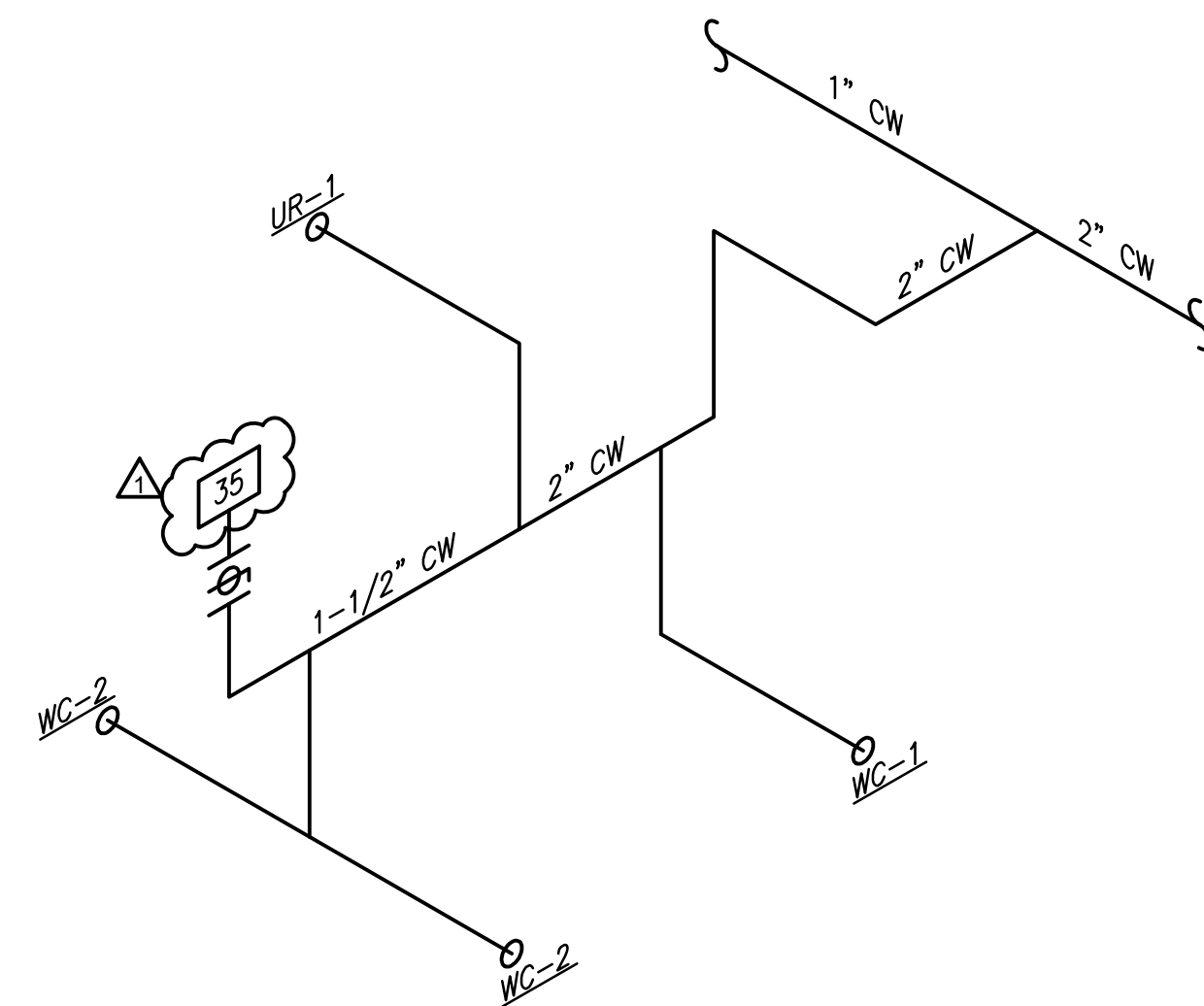
FILE: \\ANGFILE2\JOBS\1331601\DWGS\ME\SHEETS\1331601_M1.3 - ENLG-PLMB.DWG PLOTTED: Jun. 5, 2014 - 10:53:58 AM (Donald Brown)



1 ENLARGED PLUMBING PLAN
M1.3 SCALE: 1/4" = 1'-0"



2 WASTE & VENT PIPING DIAGRAM
M1.3 SCALE: NTS



3 WATER CLOSET & URINAL COLD WATER PIPING DETAIL
M1.3 SCALE: NTS



| | |
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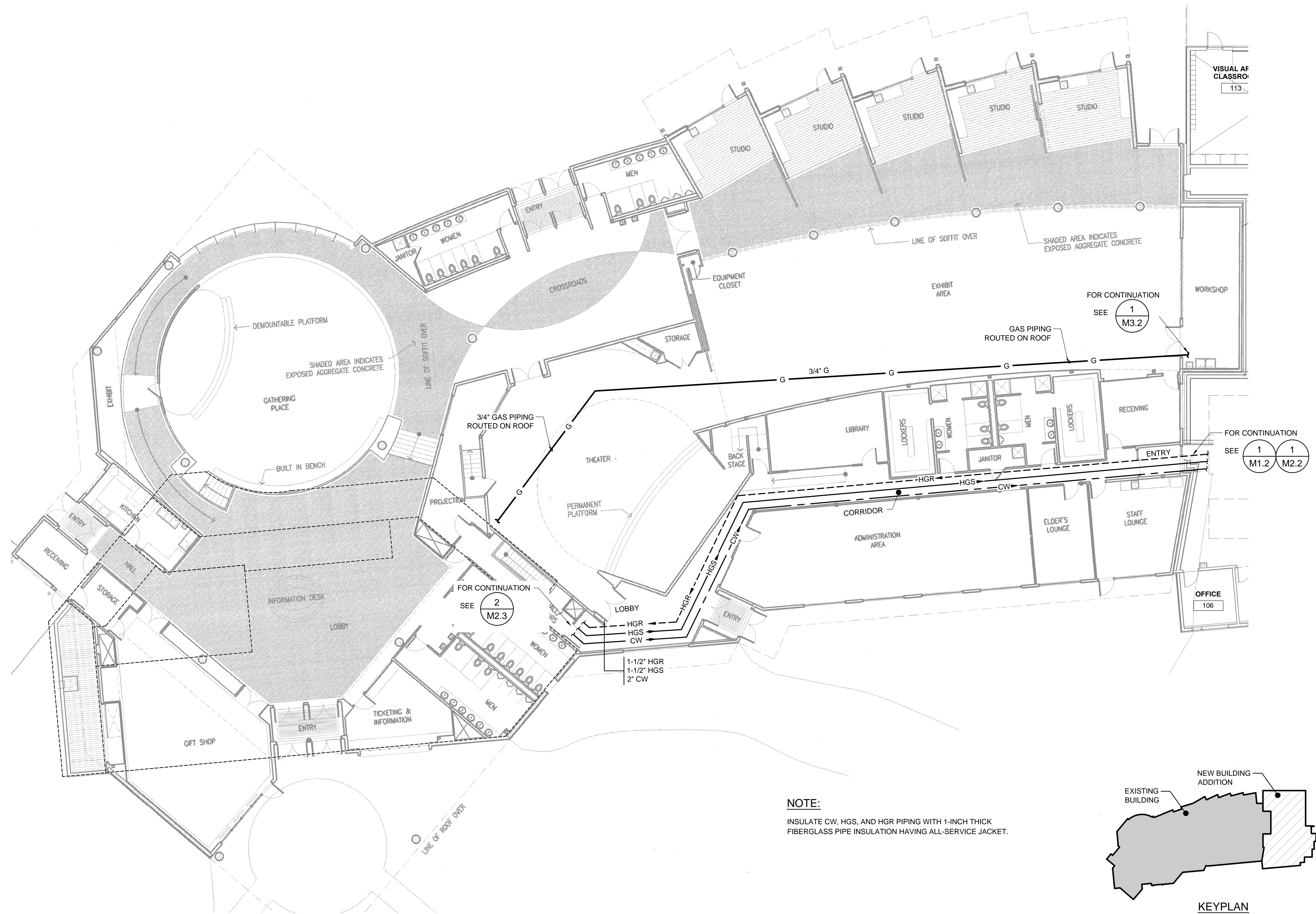
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| Project Mgr. | JAC |
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Sheet Contents:
MECHANICAL ENLARGED PLUMBING PLAN & SCHEMATICS

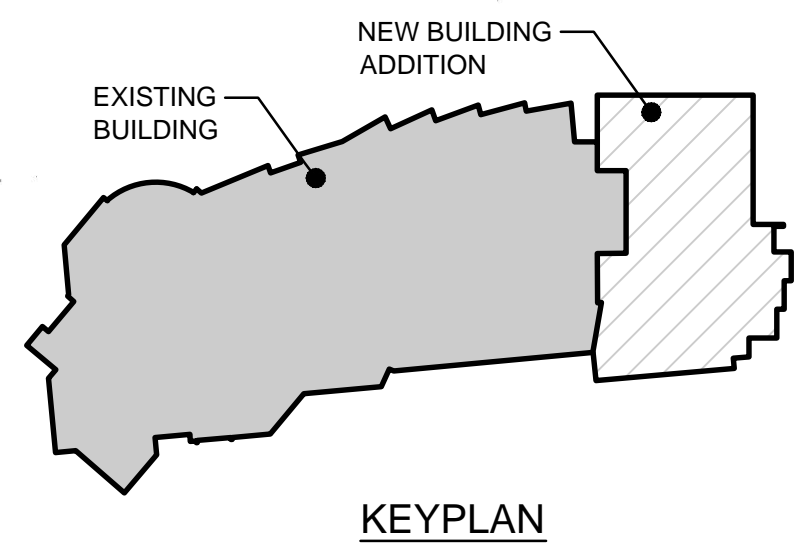
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FILE: \\ANGFILE2\JOBS\1331601\DWGS\ME\SHEETS\1331601_M2.1 - PIPE.DWG PLOTTED: Apr 24, 2014 - 3:07:59 PM (Donald Brown)



NOTE:
INSULATE CW, HGS, AND HGR PIPING WITH 1-INCH THICK FIBERGLASS PIPE INSULATION HAVING ALL-SERVICE JACKET.



1 PIPING PLAN
M2.1 SCALE: 3/32" = 1'-0"



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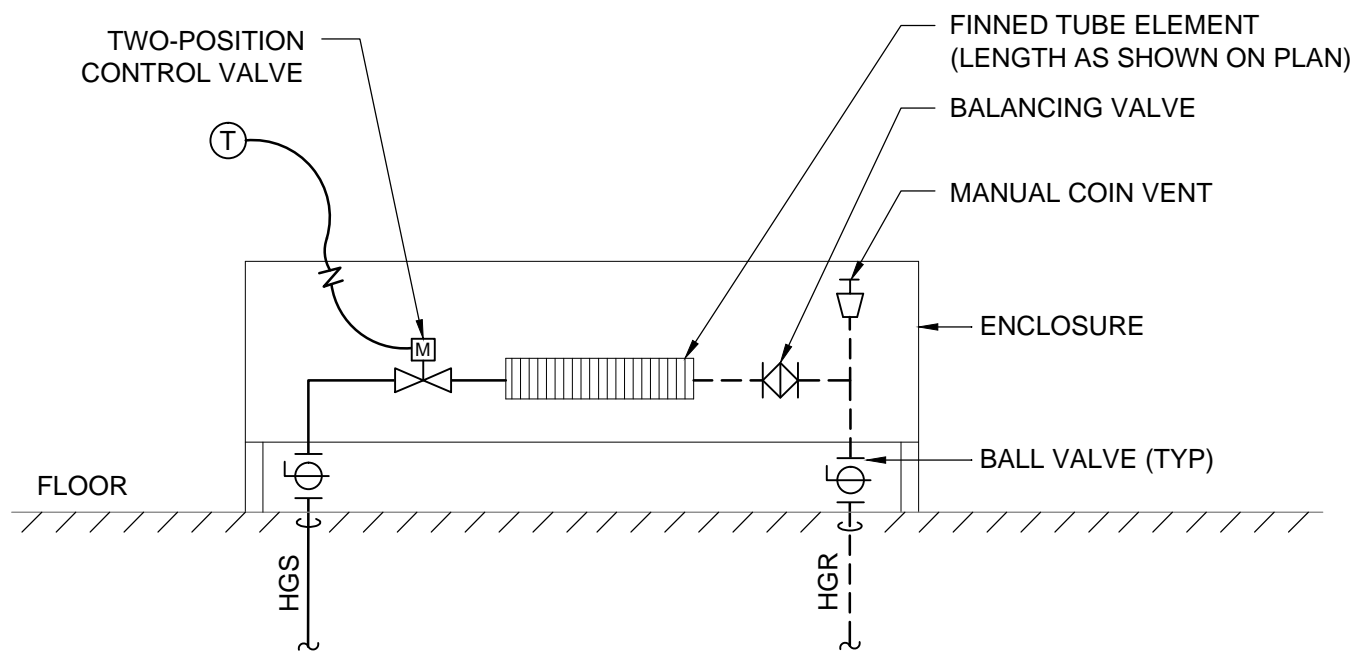
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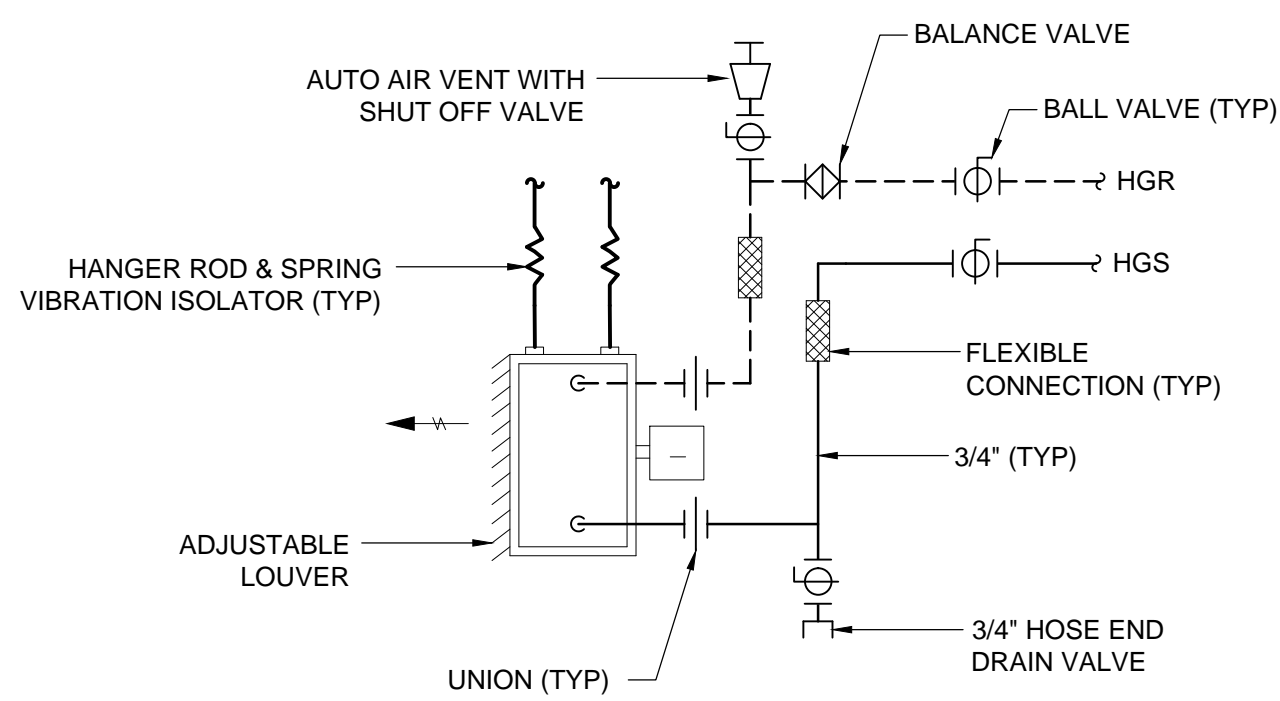
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Sheet Contents:
MECHANICAL PIPING PLAN

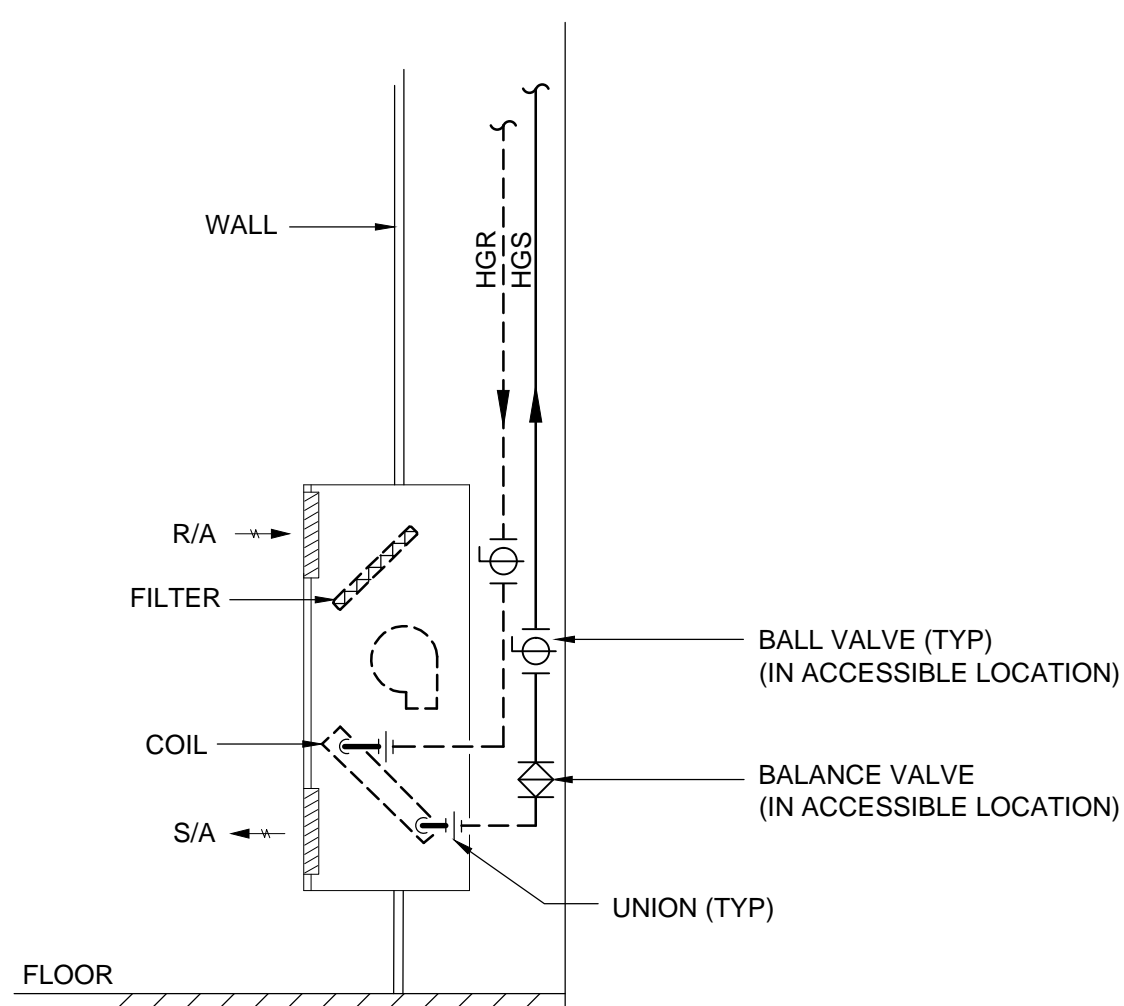
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M2.1
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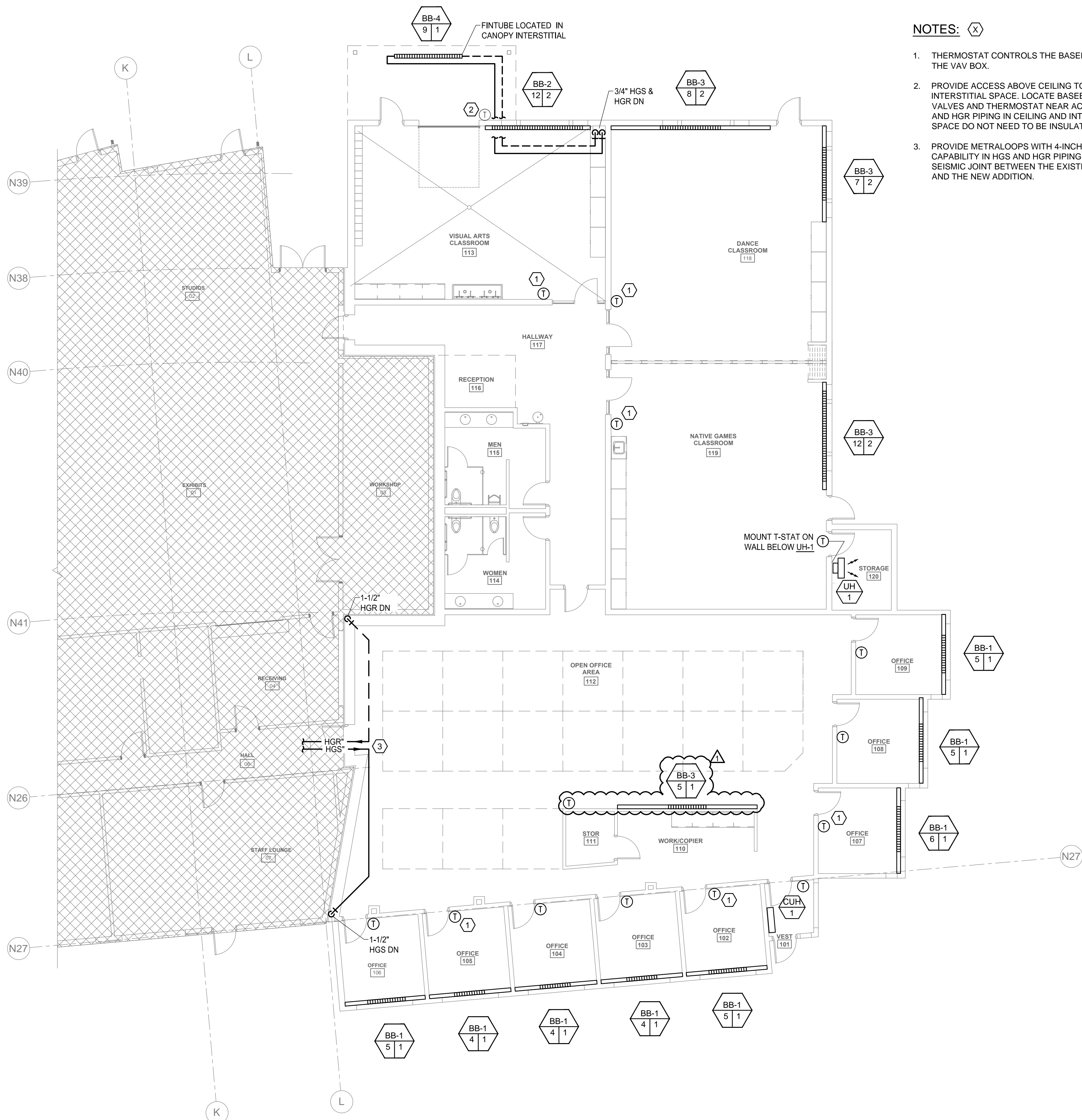
2 BASEBOARD HEATING UNIT DETAIL
M2.2 SCALE: NTS



3 UNIT HEATER DETAIL
M2.2 SCALE: NTS



4 CABINET UNIT HEATER DETAIL
M2.2 SCALE: NTS



1 HEATING PLAN
M2.2 SCALE: 1/8" = 1'-0"

NOTES: (X)

1. THERMOSTAT CONTROLS THE BASEBOARD AND THE VAV BOX.
2. PROVIDE ACCESS ABOVE CEILING TO CANOPY INTERSTITIAL SPACE. LOCATE BASEBOARD VALVES AND THERMOSTAT NEAR ACCESS. HGS AND HGR PIPING IN CEILING AND INTERSTITIAL SPACE DO NOT NEED TO BE INSULATED.
3. PROVIDE METRALOOPS WITH 4-INCH MOVEMENT CAPABILITY IN HGS AND HGR PIPING AT THE SEISMIC JOINT BETWEEN THE EXISTING BUILDING AND THE NEW ADDITION.



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Sheet Contents:
MECHANICAL HEATING PLAN & DETAILS

Sheet No.:
M2.2

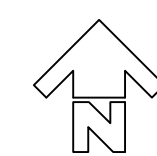
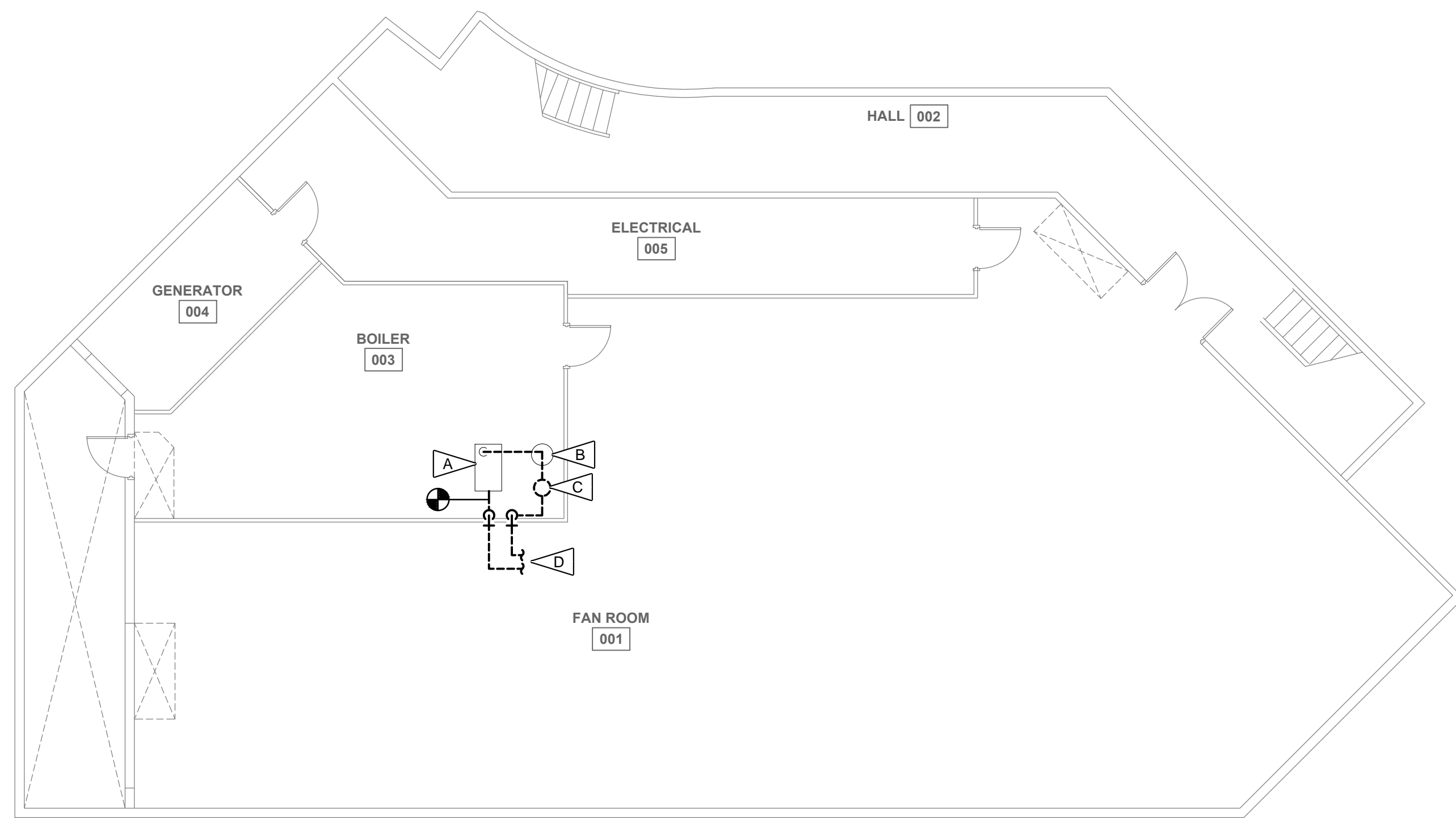
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FILE: \\ANGFILE2\JOBS\1331601\DWGS\MA\SHEETS\1331601_M2.2 - HEAT.DWG PLOTTED: Jun 5, 2014 - 10:54:15 AM (Donald Brown)

FILE: \\ANGFILE2\JOBS\1331601\DWGS\MECH\1331601_M2.3 - MECH ROOM ENLG.DWG PLOTTED: Apr 24, 2014 - 3:08:07 PM (Donald Brown)

DEMOLITION NOTES:

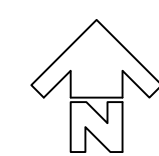
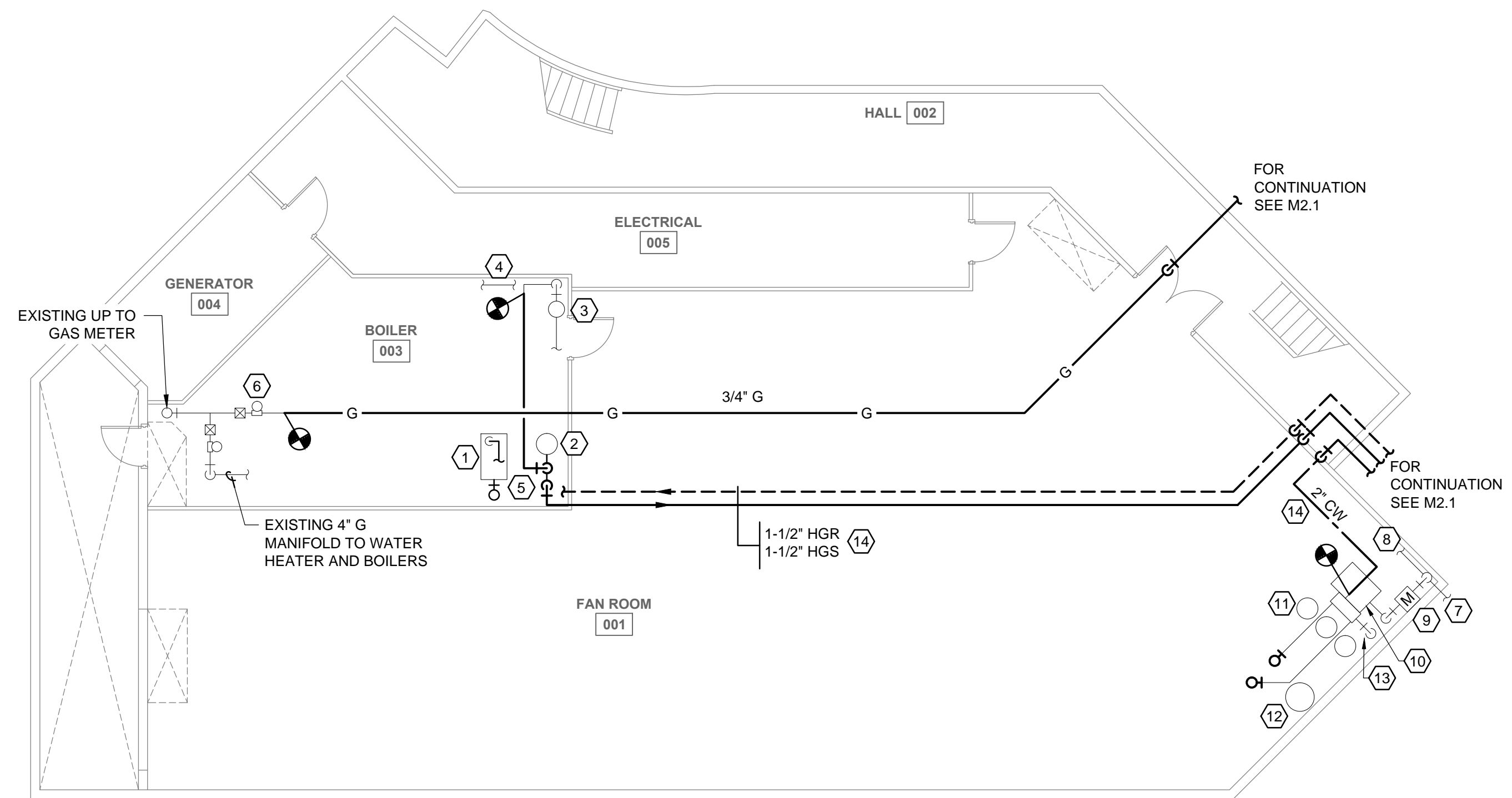
- A EXISTING SNOWMELT BOILER TO REMAIN.
- B EXISTING EXPANSION TANK TO REMAIN.
- C DEMOLISH BOILER PIPING, AIR SEPARATOR, PUMP, AND VALVES. SEE 1/M2.4.
- D ABANDON EXISTING SNOWMELT HEATING SUPPLY AND RETURN PIPING IN PLACE.



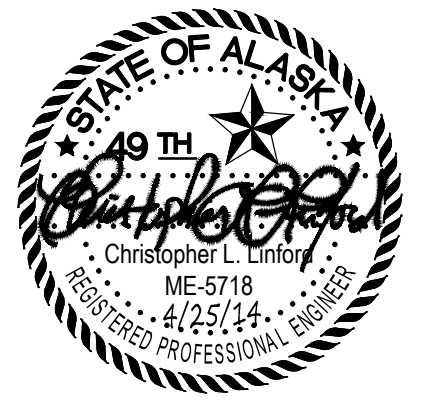
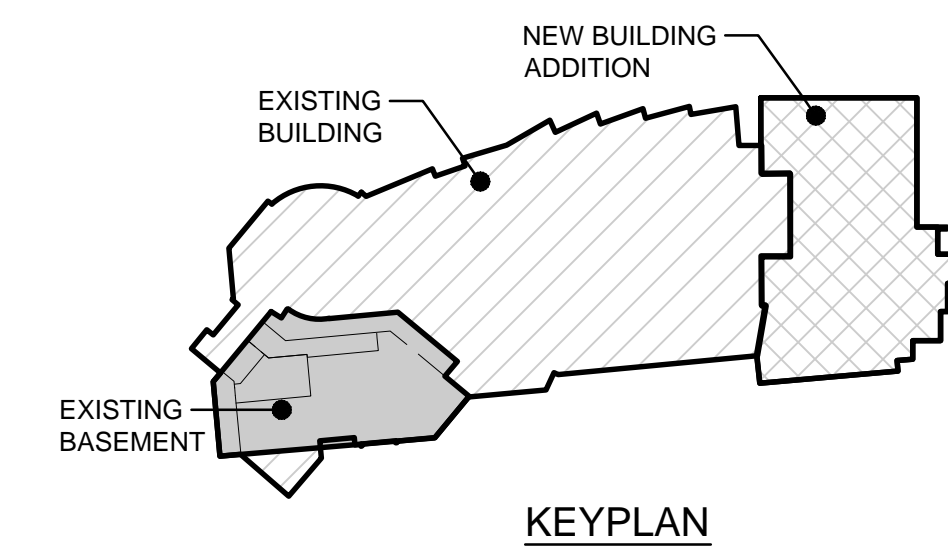
1 EXISTING MECHANICAL ROOM PLAN - DEMOLITION
M2.3 SCALE: 1/8" = 1'-0"

NOTES: (X)

1. EXISTING SNOWMELT BOILER.
2. EXISTING EXPANSION TANK.
3. EXISTING AIR SEPARATOR.
4. EXISTING HEATING PUMPS SUPPLY MANIFOLD.
5. SEE DETAIL 2/M2.4 FOR NEW PIPING, VALVES, AND PUMPS.
6. EXISTING CAPPED GAS REGULATOR. NEW GAS PIPE SIZING ASSUMES A REGULATOR OUTLET PRESSURE OF 2 PSI, A PRESSURE DROP OF 1 PSI, AND 300 FOOT RUN.
7. EXISTING UTILITY WATER ENTRANCE.
8. EXISTING WATER SUPPLY TO FIRE PUMP.
9. EXISTING WATER METERS.
10. EXISTING DOMESTIC WATER PRESSURE BOOST PUMP PACKAGE.
11. EXISTING WATER SOFTENERS.
12. EXISTING DOMESTIC WATER PRESSURE TANK.
13. SEE 4/M2.4 FOR NEW CW PIPING TIE-IN DETAIL.
14. INSULATE CW, HGS, AND HGR PIPING WITH 1-INCH THICK FIBERGLASS PIPE INSULATION HAVING ALL-SERVICE JACKET.



2 EXISTING MECHANICAL ROOM PLAN - NEW WORK
M2.3 SCALE: 1/8" = 1'-0"



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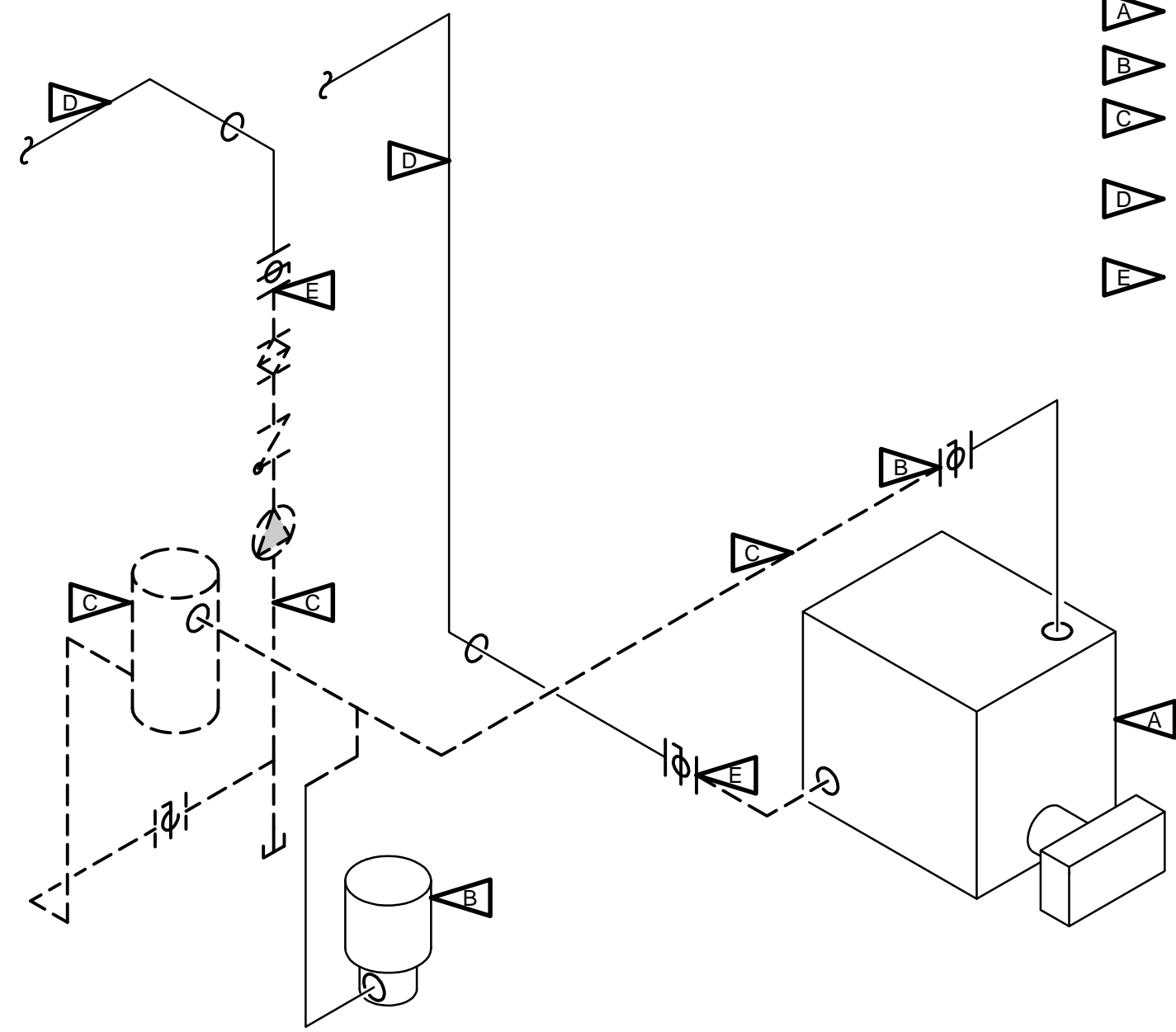
Sheet Contents:
EXISTING MECH ROOM NEW & DEMO PLANS

Sheet No.:
M2.3

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DEMOLITION NOTES:

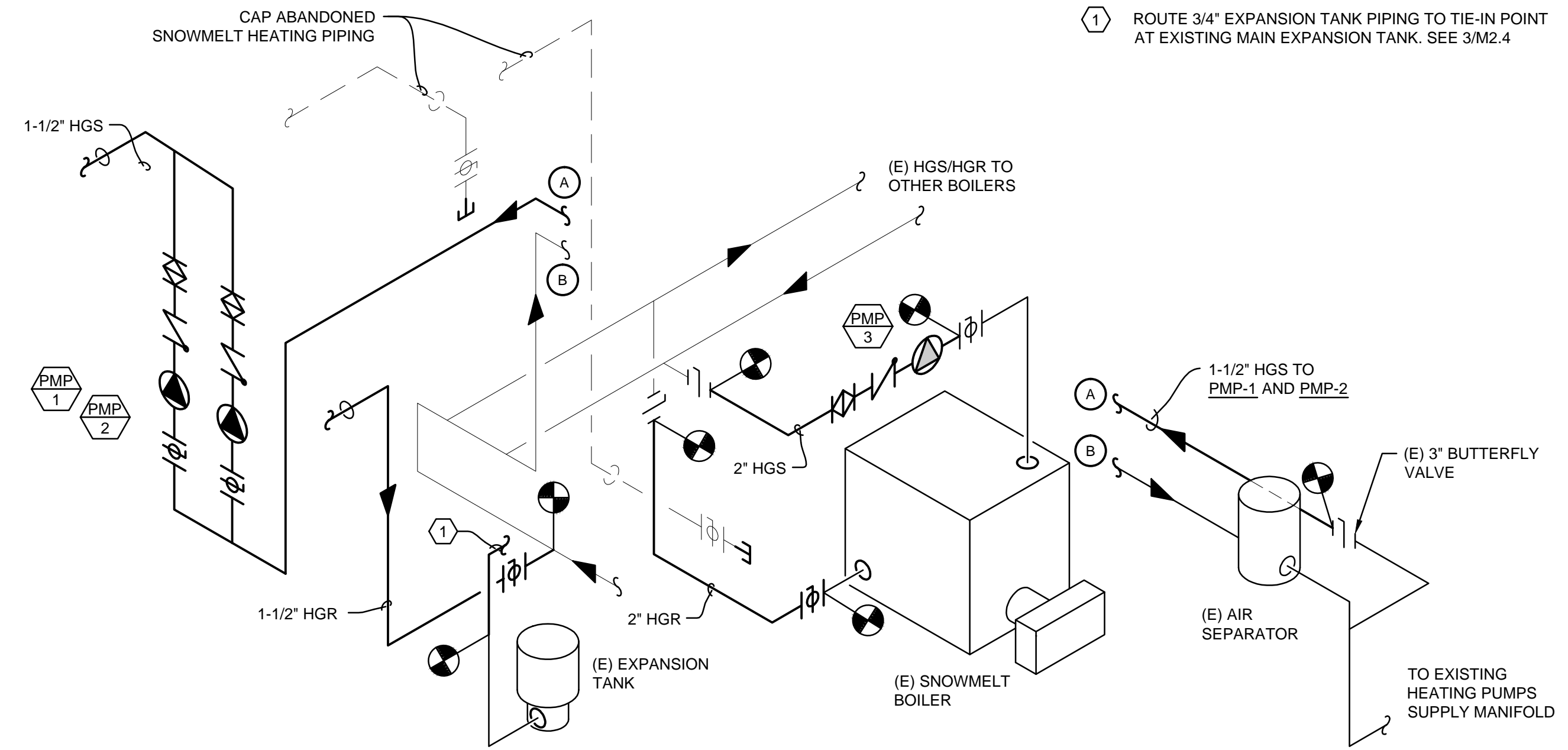
- A** EXISTING SNOWMELT BOILER TO REMAIN.
- B** EXISTING EXPANSION TANK TO REMAIN.
- C** DEMOLISH PIPING, VALVES, AIR SEPARATOR, AND PUMP TO EXTENT SHOWN.
- D** ABANDON EXISTING SNOWMELT HEATING SUPPLY AND RETURN PIPING IN PLACE.
- E** PLUG OR CAP EXISTING SNOWMELT SYSTEM HEATING SUPPLY AND RETURN PIPING AT BALL VALVE.



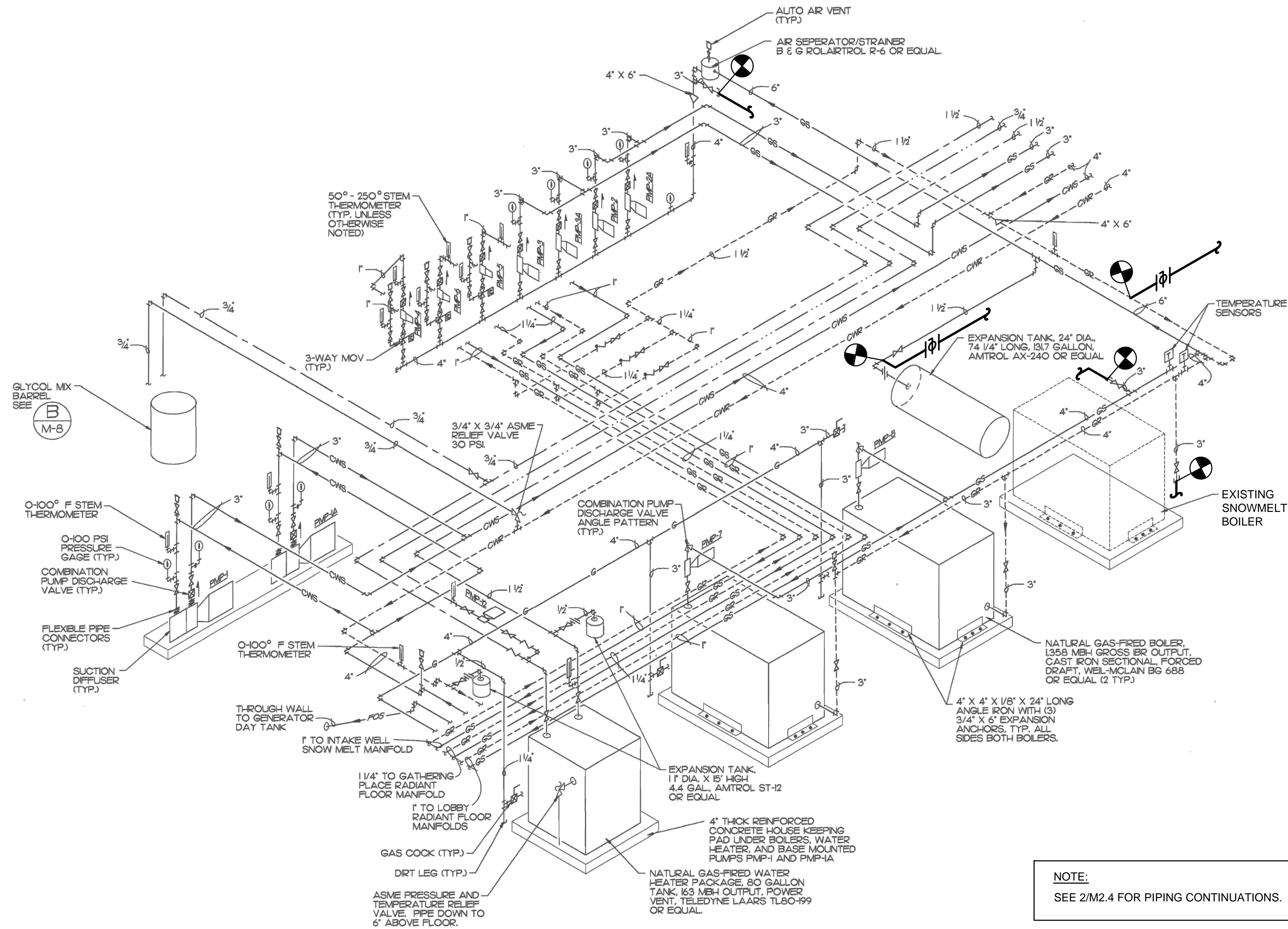
1 BOILER PIPING DEMOLITION DETAIL
M2.4 SCALE: NTS

NOTES:

- 1** ROUTE 3/4" EXPANSION TANK PIPING TO TIE-IN POINT AT EXISTING MAIN EXPANSION TANK. SEE 3/M2.4

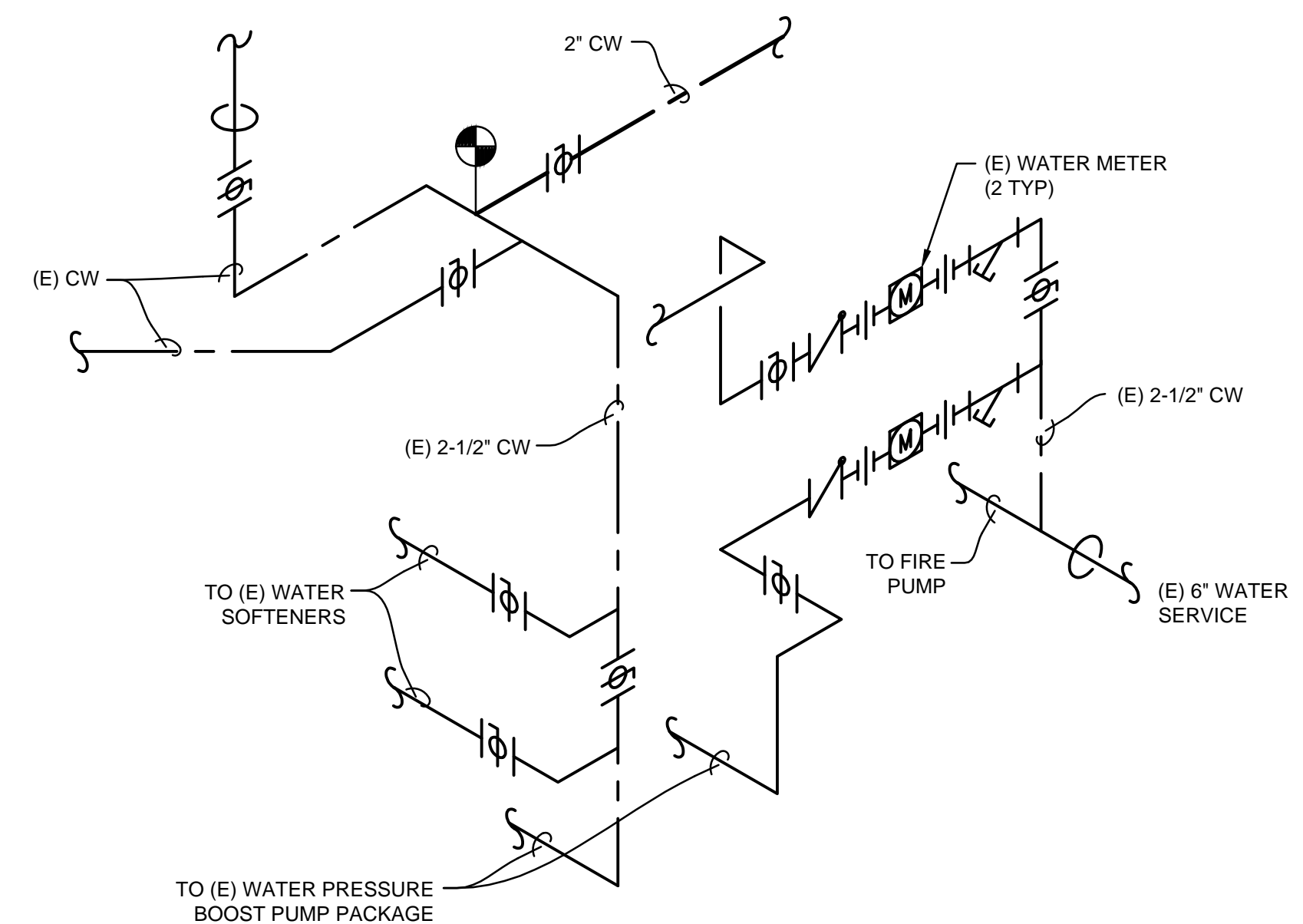


2 NEW BOILER PIPING DETAIL
M2.4 SCALE: NTS



NOTE:
SEE 2/M2.4 FOR PIPING CONTINUATIONS.

3 EXISTING BOILER ROOM PIPING ISOMETRIC
M2.4 SCALE: NTS



4 DOMESTIC CW PIPING DETAIL
M2.4 SCALE: NTS

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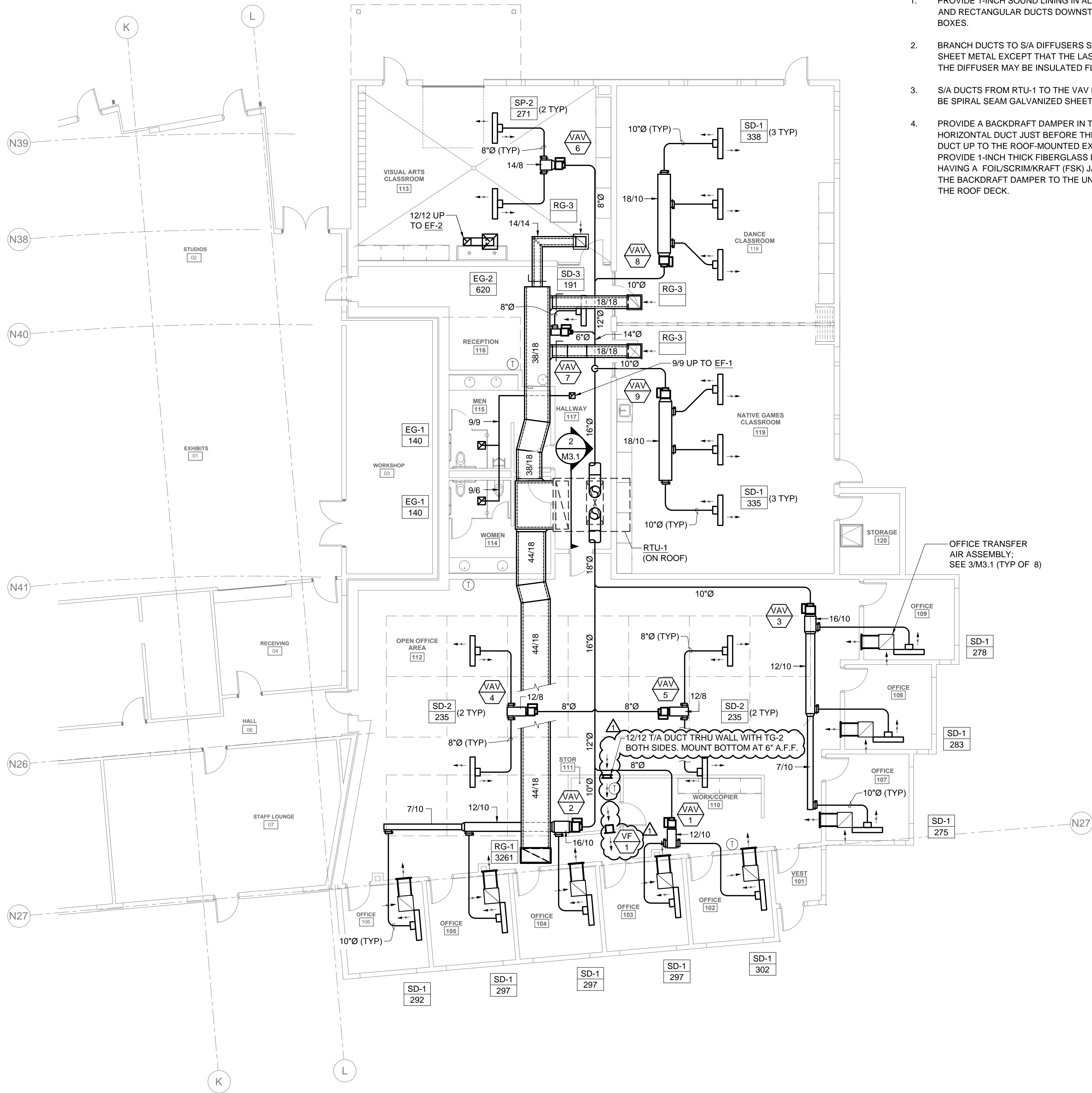
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Sheet Contents:
MECHANICAL ROOM & HEATING DETAILS

Sheet No.: **M2.4**

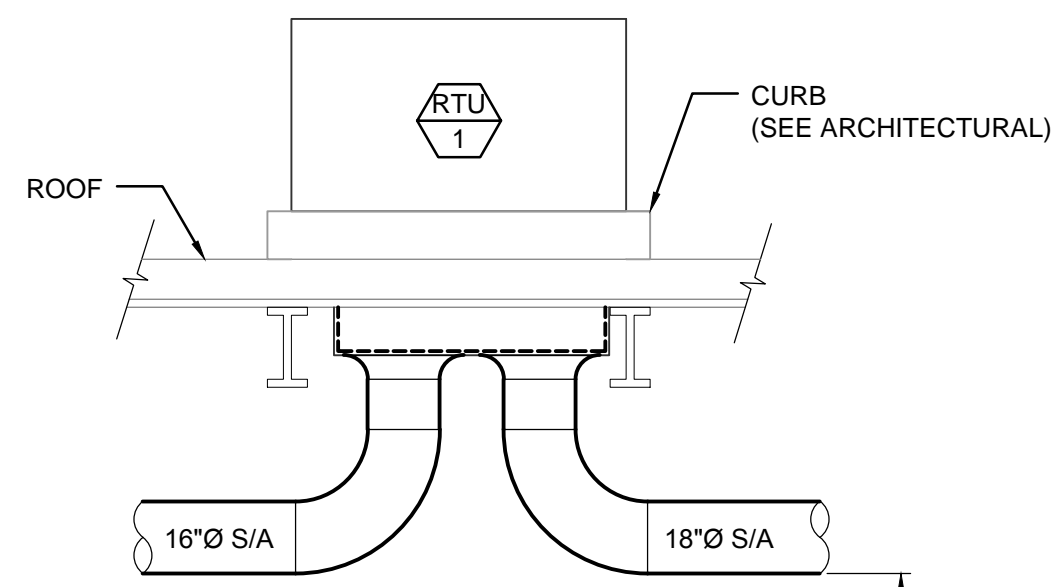
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FILE: \\ANGFILE2\JOBS\1331601\DWGS\ME\SHEETS\M3.1 - VENT.DWG PLOTTED: Jun 5, 2014 - 10:54:43 AM (Donald Brown)

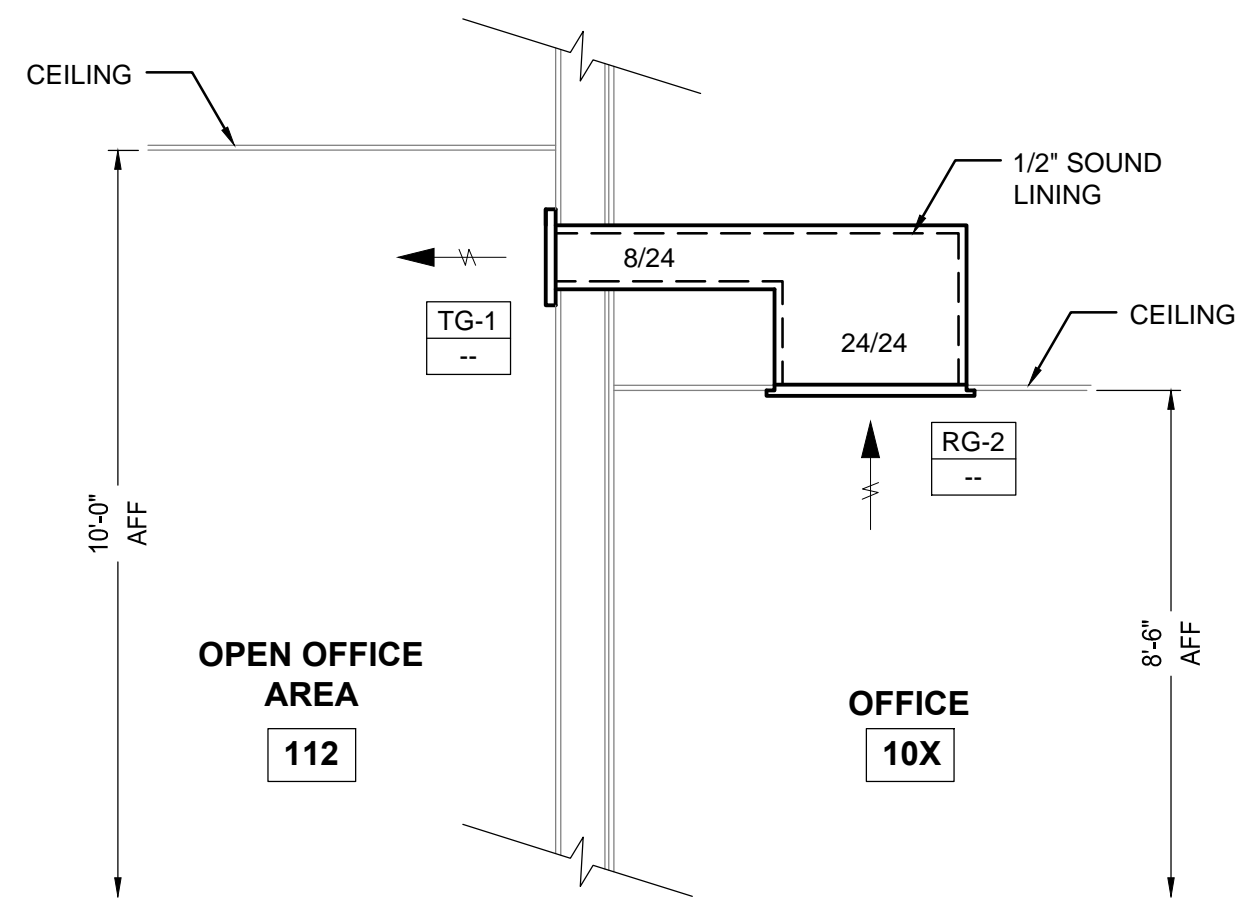


GENERAL NOTES:

1. PROVIDE 1-INCH SOUND LINING IN ALL R/A DUCTS AND RECTANGULAR DUCTS DOWNSTREAM OF VAV BOXES.
2. BRANCH DUCTS TO S/A DIFFUSERS SHALL BE SHEET METAL EXCEPT THAT THE LAST 4 FEET TO THE DIFFUSER MAY BE INSULATED FLEX DUCT.
3. S/A DUCTS FROM RTU-1 TO THE VAV BOXES SHALL BE SPIRAL SEAM GALVANIZED SHEET METAL.
4. PROVIDE A BACKDRAFT DAMPER IN THE HORIZONTAL DUCT JUST BEFORE THE VERTICAL DUCT UP TO THE ROOF-MOUNTED EXHAUST FAN. PROVIDE 1-INCH THICK FIBERGLASS DUCT BOARD HAVING A FOIL/SCRIM/KRAFT (FSK) JACKET FROM THE BACKDRAFT DAMPER TO THE UNDERSIDE OF THE ROOF DECK.

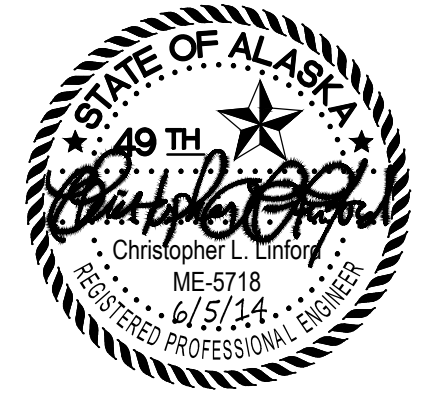


2 ROOF TOP UNIT RTU-1 - SECTION
M3.1 SCALE: 1/4" = 1'-0"



3 TYPICAL OFFICE TRANSFER AIR DETAIL
M3.1 SCALE: 1/2" = 1'-0"

1 VENTILATION PLAN
M3.1 SCALE: 1/8" = 1'-0"



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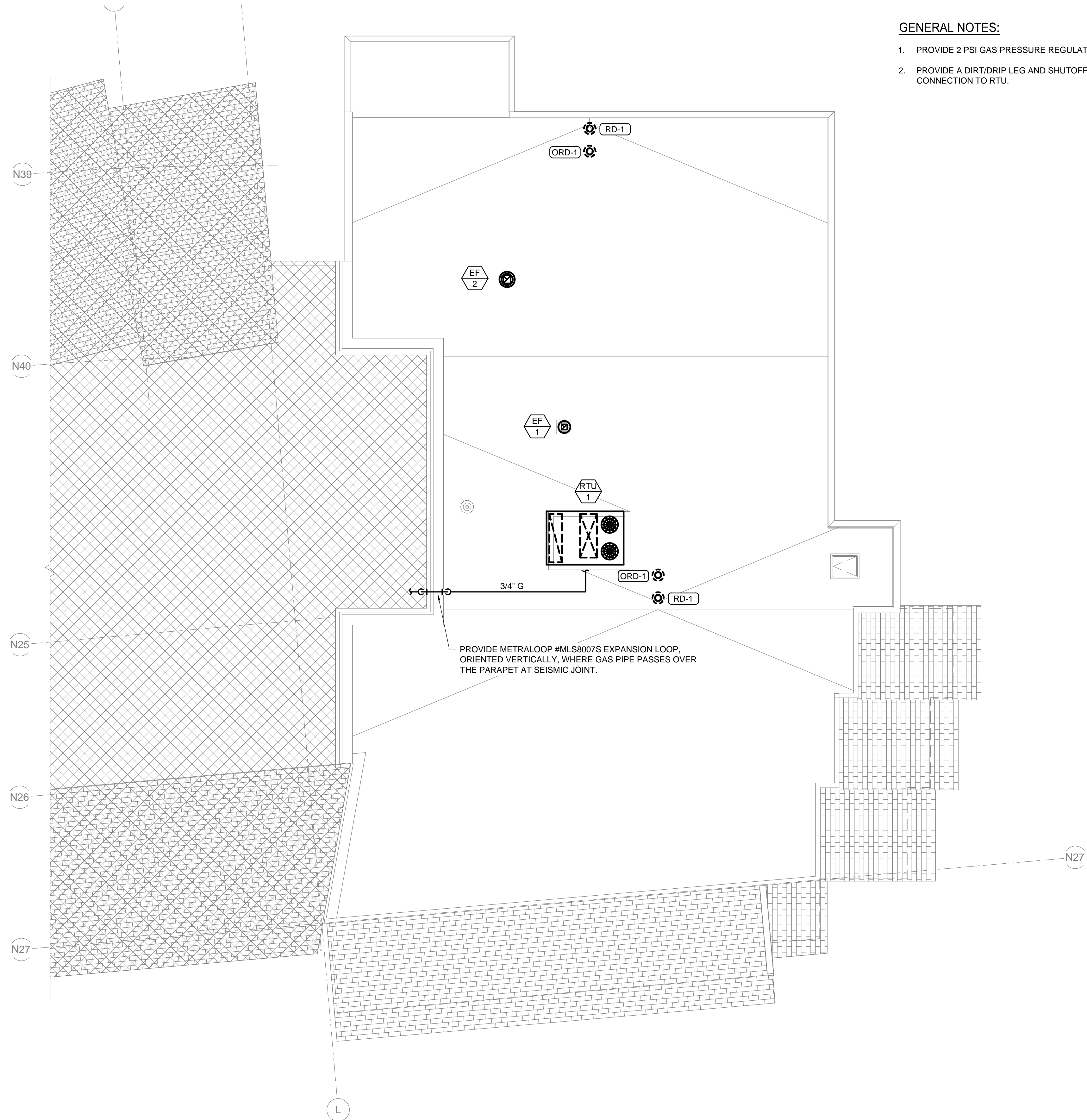
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Sheet Contents:
**MECHANICAL
VENTILATION
PLAN & DETAILS**

Sheet No.:
M3.1

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FILE: \\ANGFILE2\JOBS\1331601\DWGS\M\3.2 - ROOF.DWG PLOTTED: Apr 24, 2014 - 3:06:29 PM (Donold Brown)



GENERAL NOTES:

1. PROVIDE 2 PSI GAS PRESSURE REGULATOR AT RTU-1.
2. PROVIDE A DIRT/DRIP LEG AND SHUTOFF VALVE AT GAS CONNECTION TO RTU.

PROVIDE METRALOOP #MLS8007S EXPANSION LOOP, ORIENTED VERTICALLY, WHERE GAS PIPE PASSES OVER THE PARAPET AT SEISMIC JOINT.

1 ROOF PLAN
M3.2 SCALE: 1/8" = 1'-0"



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Sheet Contents:
**MECHANICAL
ROOF
PLAN**

Sheet No.:
M3.2

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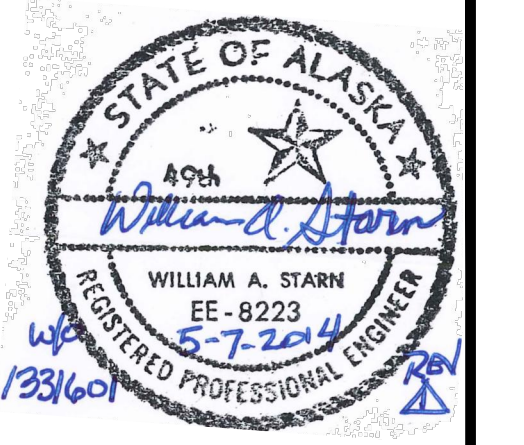
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ELECTRICAL ABBREVIATIONS

| | | | | | |
|--------|--|--------------|--|-----------|--|
| A | AMPERE(S) OR AMBER (INDICATOR) | HOA | HAND-OFF-AUTO | R | RADIUS, RELAY, OR RED (INDICATOR) |
| AC | ALTERNATING CURRENT | HTCC | HEAT TRACE CONTROL CONTACTOR | REC | RECEPTACLE |
| AF | AMPERE FRAME (SIZE) | HP | HORSEPOWER | REF | REFERENCE |
| AFF | ABOVE FINISHED FLOOR | HT | HEAT TRACE | REQ, REQQ | REQUIRED |
| AFG | ABOVE FINAL GRADE | HZ | HERTZ | REV | REVISION |
| AI, AO | ANALOG INPUT, ANALOG OUTPUT | IAW | IN ACCORDANCE WITH | RMC | RIGID METAL CONDUIT |
| AIP | ABANDON IN PLACE | IDC | INSULATION DISPLACEMENT CONNECTOR | ROW | RIGHT-OF-WAY |
| ASD | ADJUSTABLE SPEED DRIVE | IDF | INTERMEDIATE DISTRIBUTION FRAME | RVNR | REDUCED VOLTAGE NON-REVERSING (STARTER) |
| ASYM | ASYMMETRICAL | ISB | INTRINSICALLY SAFE BARRIER | RVSS | REDUCED VOLTAGE SOLID-STATE (STARTER) |
| AT | AMPERE TRIP (SETTING) | IMC | INTERMEDIATE METAL CONDUIT | S | SOUTH |
| ATS | AUTOMATIC TRANSFER SWITCH | I/O | INPUT/OUTPUT | SCA | SHORT-CIRCUIT AMPERES |
| AUX | AUXILIARY | I.S. | INTRINSICALLY SAFE | SCH | SCHEDULE |
| AWG | AMERICAN WIRE GAGE | ISB | INTRINSICALLY SAFE BARRIER | SEC | SECONDARY OR SECOND |
| @ | AT | ITB | INSTRUMENT TERMINAL BOX | SF | SQUARE FEET |
| BC | BARE COPPER | J, JB, J-BOX | JUNCTION BOX | SHLD | SHIELDED |
| BLDG | BUILDING | KAIC | KILOAMPERE INTERRUPTING CAPACITY | SHT | SHEET |
| BOT | BOTTOM OF TRAY (HEIGHT) | KCM, KCMIL | KILO CIRCULAR MILS | SLC | SIGNALING LINE CIRCUIT |
| C | CONDUIT, CONTACT, CLOSE, OR CENTIGRADE | KV | KILO-VOLTS | SMR | SURFACE METAL RACEWAY |
| CB | CIRCUIT BREAKER | KVA | KILO-VOLTAMPERES | SP | SETPOINT |
| CF | CUBIC FEET | KW | KILO-WATTS | SPD | SURGE PROTECTION DEVICE |
| CKT | CIRCUIT | KWH | KILO-WATT HOURS | SPEC | SPECIFICATION |
| CL | CLASS OR CENTERLINE | LCC | LIGHTING CONTROL CONTACTOR | SPDT | SINGLE-POLE / DOUBLE-THROW |
| CLG | CEILING | LEC | LOCAL EXCHANGE CARRIER (TELECOM UTILITY) | SPST | SINGLE-POLE / SINGLE-THROW |
| CMP | CORRUGATED METAL PIPE | LED | LIGHT EMITTING DIODE | SQ | SQUARE |
| CONT | CONTINUED OR CONTINUATION | LFMC | LIQUID-TITE METAL FLEXIBLE CONDUIT | SS | SELECTOR SWITCH, SOLID-STATE, OR STAINLESS STEEL |
| C.O. | CONDUIT ONLY | LFS | LIGHT FIXTURE SCHEDULE | ST | SHUNT-TRIP |
| COMM | TELECOMMUNICATIONS | LM | LUMEN | STBY | STANDBY |
| COORD | COORDINATE | LTG | LIGHTING | STD | STANDARD |
| CT | CURRENT TRANSFORMER | MA | MILLI-AMPERES | STP | SHIELDED TWISTED PAIR |
| CU | COPPER | MAN | MANUAL | STRUC | STRUCTURAL |
| DC | DIRECT CURRENT | MAX | MAXIMUM | SV | SOLENOID VALVE |
| DDC | DIRECT DIGITAL CONTROL | MBJ | MAIN BONDING JUMPER | SVC | SERVICE |
| DEG | DEGREE | MC | METAL-CLAD | SW | SWITCH |
| DEMO | DEMOLISH OR DEMOLITION | MCB | MAIN CIRCUIT BREAKER | SYM | SYMMETRICAL |
| DIA | DIAMETER | MCCB | MOLDED CASE CIRCUIT BREAKER | SYNC | SYNCHRONOUS |
| DI, DO | DISCRETE INPUT, DISCRET OUTPUT | MCP | MOTOR CIRCUIT PROTECTOR | T | THERMOSTAT, TRANSFORMER, TELEPHONE PEDESTAL, OR TIME |
| DISC | DISCONNECT | MCS | MOLDED CASE SWITCH | TB | TERMINAL BLOCK, BOX, OR BOARD |
| DP | DISTRIBUTION PANEL | MDF | MAIN DISTRIBUTION FRAME | TC | TRAY (RATED) CABLE |
| DTL | DETAIL | MDP | MAIN DISTRIBUTION PANEL | TD | TIME DELAY |
| DWG | DRAWING | MECH | MECHANICAL | TEL | TELEPHONE OR TELECOMMUNICATIONS |
| (E) | EXISTING | MH | MAN-HOLE OR MOUNTING HEIGHT | TGB | TELECOMMUNICATION GROUND BAR |
| EGC | EQUIPMENT GROUNDING CONDUCTOR | MIN | MINIMUM OR MINUTE | TMGB | TELECOMMUNICATIONS MAIN GROUNDING BAR |
| ELEC | ELECTRIC / ELECTRICAL | MISC | MISCELLANEOUS | TTB | TELECOMMUNICATIONS TERMINAL BOARD |
| EM | EMERGENCY | MLO | MAIN LUGS ONLY | TTC | TELECOMMUNICATIONS TERMINAL CABINET |
| EMT | ELECTRICAL METALLIC TUBING | MOA | MULTI-OUTLET ASSEMBLY | TYP | TYPICAL |
| ENCL | ENCLOSURE | MOM. | MOMENTARY | UG, U/G | UNDERGROUND |
| EOL | END OF LINE (DEVICE) | MOV | MOTOR OPERATED VALVE | UH | UNIT HEATER |
| ESD | EMERGENCY SHUT-DOWN | MTS | MANUAL TRANSFER SWITCH | UON | UNLESS OTHERWISE NOTED |
| ETR | EXISTING TO REMAIN | N | NEUTRAL OR NORTH | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| EXT | EXTERIOR | N.C. | NORMALLY CLOSED | UTP | UNSHIELDED TWISTED PAIR |
| F | FAHRENHEIT OR FILTER | NA, N/A | NOT APPLICABLE | V | VOLTS |
| FA | FIRE ALARM | NEC | NATIONAL ELECTRIC CODE | VA | VOLT-AMPERES |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL | NF | NON-FUSIBLE | VAC | VOLTS ALTERNATING CURRENT |
| FACP | FIRE ALARM CONTROL PANEL | NFS | NON-FROST SUSCEPTIBLE | VDC | VOLTS DIRECT CURRENT |
| FASP | FIRE ALARM SATELLITE PANEL | NIC | NOT IN CONTRACT | VERT | VERTICAL |
| FCB | FEEDER CIRCUIT BREAKER | NL | NIGHT LIGHT | VFD | VARIABLE FREQUENCY DRIVE |
| FDR | FEEDER | NM | NON-METALLIC | W | WATTS, WEST, WIRE, WIDTH, OR WHITE (INDICATOR) |
| FMC | FLEXIBLE METAL CONDUIT | N.O. | NORMALLY OPEN | WG | WIRE GUARD |
| FO | FIBER OPTIC | NTS | NOT TO SCALE | WP | WEATHER-PROOF |
| FSD | FIRE / SMOKE DAMPER | OD | OUTSIDE DIAMETER/ DIMENSION | W/ | WITH |
| FT | FEET | P | POLE | W/O | WITHOUT |
| FVC | FULL-VOLTAGE CONTACTOR | PA | PUBLIC ADDRESS | W/W | WIREWAY |
| FNVR | FULL-VOLTAGE NON-REVERSING (STARTER) | PB | PUSHBUTTON, PULLBOX | WT | WATER-TIGHT OR WEIGHT |
| FVR | FULL-VOLTAGE REVERSING (STARTER) | PE | PHOTO-ELECTRIC SENSOR | WWF | WELDED WIRE FABRIC |
| G | GREEN (INDICATOR), GROUND | PF | POWER FACTOR | X | REACTANCE |
| GEC | GROUNDING ELECTRODE CONDUCTOR | PH, or Ø | PHASE | XDCR | TRANSDUCER |
| GEN | GENERATOR | PIR | PASSIVE INFRARED | XFMR | TRANSFORMER |
| GMCP | GYM MASTER CONTROL PANEL | POC | POINT OF CONNECTION | XMTR | TRANSMITTER |
| GND | GROUND | PLC | PROGRAMMABLE LOGIC CONTROLLER | XP | EXPLOSION-PROOF |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | PNL | PANEL | Z | IMPEDANCE |
| GFEP | GROUND FAULT EQUIPMENT PROTECTION | PR | PAIR | | |
| GSC | GROUNDING SERVICE CONDUCTOR | PREFAB | PRE-FABRICATED | | |
| GUI | GRAPHICAL USER INTERFACE | PRI | PRIMARY | | |
| H | HOT OR HEIGHT | QTY | QUANTITY | | |

ELECTRICAL LEGEND

| LIGHTING | | POWER / CONTROL | |
|----------|---|-----------------|--|
| A | LETTER(S) INDICATE LIGHT FIXTURE TYPE | | GROUND FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLE |
| | LIGHT FIXTURE, SURFACE MOUNT | | SIMPLEX, DUPLEX, DOUBLE DUPLEX RECEPTACLE |
| | LIGHT FIXTURE, RECESS MOUNT | | RECEPTACLE, FLOOR BOX-MOUNT |
| | EMERGENCY LIGHT FIXTURE, SURFACE MOUNT | | SPECIAL PURPOSE RECEPTACLE |
| | EMERGENCY LIGHT FIXTURE, RECESS MOUNT | | MULTI-OUTLET SURFACE RACEWAY ASSEMBLY |
| | NIGHT/EMERGENCY LIGHT FIXTURE, SURFACE MOUNT | | CONTROL, EQUIPMENT, OR TERMINAL CABINET AS NOTED |
| | NIGHT/EMERGENCY LIGHT FIXTURE, RECESS MOUNT | | PANELBOARD, SURFACE/FLUSH MOUNTED |
| | UNDER CABINET FIXTURE | | TRANSFORMER |
| | LIGHT FIXTURE, WALL MOUNT | | JUNCTION BOX, ABOVE GRADE |
| | SURFACE CEILING MOUNTED LIGHT FIXTURE | | JUNCTION BOX, GRADE OR FLOOR MOUNTED |
| | WALL MOUNTED LIGHT FIXTURE | | EQUIPMENT CONNECTION |
| | RECESSED CEILING MOUNTED LIGHT FIXTURE | | MOTOR, FRACTIONAL, INTEGRAL HP, # INDICATES HP |
| | EMERGENCY RECESSED CEILING MOUNTED LIGHT FIXTURE | | METER |
| | EXTERIOR SURFACE CEILING MOUNT WALL-PAK | | MOTOR STARTER |
| | PENDANT LIGHT FIXTURE | | COMBINATION MOTOR STARTER/DISCONNECT |
| | STRIP LIGHT | | NON-FUSED DISCONNECT |
| | EXIT SIGN, FIXTURE TYPE E, CEILING MOUNT, ARROW INDICATES DIRECTION | | FUSED DISCONNECT |
| | EXIT SIGN, FIXTURE TYPE E, WALL MOUNT, ARROW INDICATES DIRECTION | | DISCONNECT SWITCH WITH BREAKER |
| | EMERGENCY LIGHT FIXTURE | | MOTOR STARTING SWITCH W/ THERMAL OVERLOADS |
| | PHOTOCELL | | GROUND |
| | OCCUPANCY SENSOR, LETTER DENOTES TYPE: A = INFRARED, WALL-SWITCH MOUNT B = ULTRASONIC, CEILING MOUNT C = PIR, CEILING MOUNT D = DUAL TECHNOLOGY, CEILING MOUNT | | PUSHBUTTON CONTROL |
| | SWITCH, LETTER DENOTES TYPE: NO LETTER = SINGLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH K = KEY OPERATED SWITCH D = DIMMER SWITCH a, b, c, etc = SWITCHING ZONE | | CONDUIT STUBBED & CAPPED OR BUSHED AS NOTED |
| | SWITCH WITH PILOT LIGHT | | RACEWAY UP |
| | SWITCH, LETTER DENOTES TYPE: NO LETTER = SINGLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH K = KEY OPERATED SWITCH D = DIMMER SWITCH a, b, c, etc = SWITCHING ZONE | | RACEWAY DOWN |
| | COMMUNICATIONS | | UNDERGROUND OR UNDER FLOOR CIRCUIT |
| | WALL/FLOOR MOUNTED DATA OUTLET, SUBSCRIPT DENOTES NUMBER OF OUTLETS PER JUNCTION BOX (DEFAULT, TWO) | | CIRCUIT CONCEALED / ABOVE CEILING |
| | WALL TELEPHONE OUTLET | | BRANCH CIRCUIT HOMERUN WITH GROUND, NEUTRAL, AND NUMBER OF HOT WIRES |
| | CABLE TRAY | | INDICATES PANEL AND CIRCUIT NUMBER |
| | SITE ELECTRICAL | | NORMALLY CLOSED/NORMALLY OPEN CONTACTS |
| | UTILITY POLE, HT/CLASS AS NOTED | | EMERGENCY SHUTOFF OR SHUNT TRIP PUSHBUTTON |
| | DOWN GUY & ANCHOR | | CONTROL CONTACTOR |
| | ELECTRICAL CIRCUIT: OH = OVERHEAD, UG = UNDERGROUND, E = ELECTRIC, T = TELECOMM, C = CONTROL, SG = SPAN GUY | | REMOTE ANNUNCIATOR |
| | POLE MOUNTED AREA FIXTURE | | SECURITY |
| | MATCHLINE | | VIDEO SURVEILLANCE CAMERA |
| | REFERENCE TO SHEET NOTE | | MAGNETIC CONTACT |
| | REFERENCE TO REVISION | | FIRE ALARM PULL STATION |
| | FEEDER TAG | | PHOTOELECTRIC SMOKE DETECTOR, WALL/CEILING MOUNTED, I = DENOTES IONIZATION |
| | EQUIPMENT TAG | | DUCT SMOKE DETECTOR |
| | | | RATE-OF-RISE HEAT DETECTOR, F = FIXED TEMPERATURE |
| | | | SPRINKLER SYSTEM TAMPER SWITCH |
| | | | SPRINKLER SYSTEM FLOW SWITCH |
| | | | SPRINKLER SYSTEM PRESSURE SWITCH |
| | | | FIRE ALARM HORN/STROBE |
| | | | FIRE ALARM STROBE |
| | | | FIRE ALARM HORN |
| | | | FIRE ALARM BELL |
| | | | DOOR HOLD |
| | | | INTERFACE MODULE |
| | | | DUCT DETECTOR REMOTE TEST/INDICATOR |
| | | | SMOKE OR FIRE/SMOKE DAMPER |



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| Drawn | DGB JCA |
| Checked | WAS |
| Date | 04/25/2014 |

Sheet Contents:

ELECTRICAL LEGEND & ABBREVIATIONS

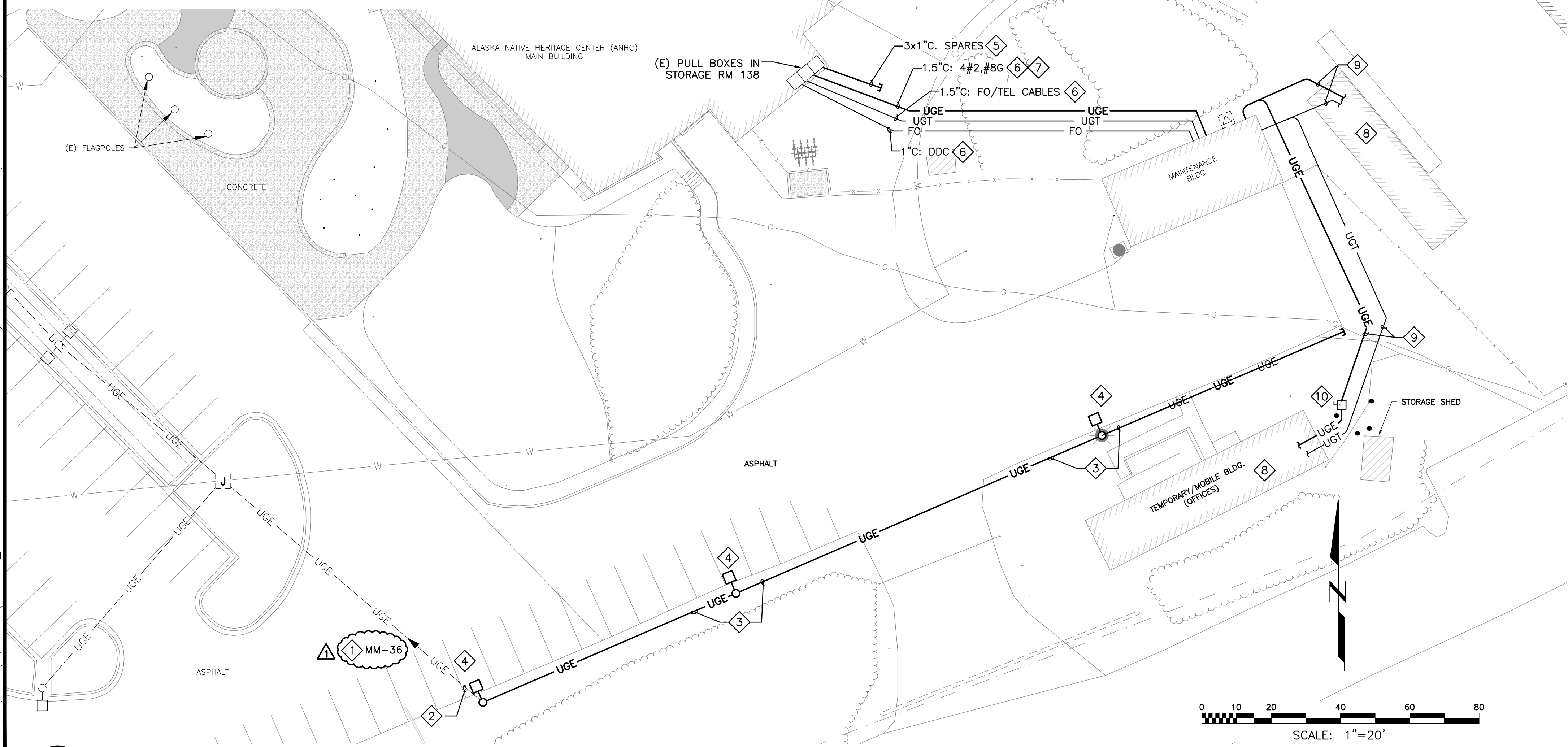
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USKH W.O. 1331601



2 AERIAL PHOTO - ANHC & LIFT STATION
 E1.1 SCALE: NTS



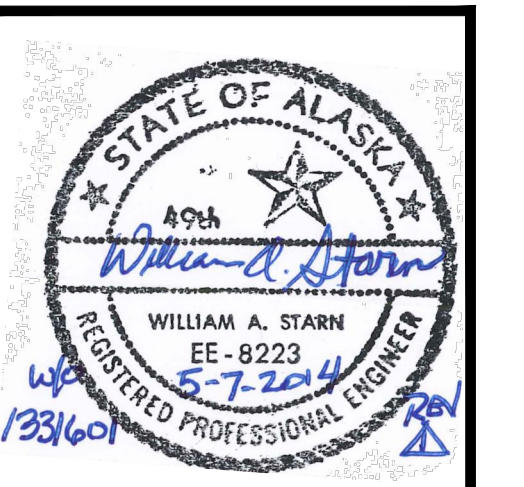
1 ELECTRICAL SITE PLAN - DEMOLITION
 E1.1 SCALE: 1" = 20'

ELECTRICAL DEMOLITION - GENERAL NOTES:

- FACILITIES TO BE DEMOLISHED ARE INDICATED BY BOLD LINE TYPE AND AS NOTED. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR RELATED DEMOLITION WORK. INFORMATION SHOWN IS DERIVED FROM RECORD DRAWINGS AND CURSORY FIELD OBSERVATIONS. CONTRACTOR IS ADVISED THAT UNDOCUMENTED UNDERGROUND FACILITIES MAY EXIST, AND INFORMATION SHOWN DERIVED FROM RECORD DRAWINGS MAY DIFFER FROM ACTUAL INSTALLATION.
- PROVIDE LOCATES AND IDENTIFICATION OF ALL UNDERGROUND FACILITIES IN WORK AREA.
- DE-ENERGIZE AND LOCK-OUT CIRCUITS IN DEMOLITION AREA TO ENSURE A SAFE CONDITION. WHERE DEMOLITION INTERRUPTS CIRCUITS SERVING FACILITIES OUTSIDE THE DEMOLITION AREA: EXTEND, MODIFY, REROUTE, AND RECONNECT CIRCUITS AS REQUIRED TO PRESERVE CIRCUITS THAT SERVE EXISTING FACILITIES TO REMAIN.
- REMOVE ALL EXPOSED ELECTRICAL WORK SCHEDULED FOR DEMOLITION. ACCESSIBLE CIRCUITS SHALL BE REMOVED BACK TO SOURCE OR TERMINAL EQUIPMENT, UNLESS OTHERWISE NOTED OR WHERE CIRCUITS SERVE AREAS TO REMAIN. INACCESSIBLE AND BURIED CIRCUITS SHALL BE CUT BACK TO 18 INCHES BELOW GRADE AND ABANDONED.
- ALLOWABLE USE OF EXISTING INSTALLATION:
 - EXISTING CONDUIT & BOXES IN GOOD CONDITION THAT COMPLY WITH NEW WORK REQUIREMENTS MAY BE USED IN THEIR ORIGINAL LOCATION, UNLESS OTHERWISE NOTED.
 - EXISTING CIRCUITS IN DEMOLITION WORK SHALL NOT BE REUSED, UNLESS OTHERWISE NOTED.
 - EXISTING MATERIALS ONCE REMOVED SHALL NOT BE REUSED, UNLESS OTHERWISE NOTED TO SALVAGE OR RELOCATE.
- PATCH AND REPAIR SURFACES AFTER DEMOLITION TO MATCH UNDAMAGED FINAL FINISH OR GRADE.
- OWNER RESERVES RIGHT OF FIRST REFUSAL FOR SALVAGEABLE MATERIALS AND EQUIPMENT SCHEDULED FOR DEMOLITION. ITEMS SELECTED BY OWNER SHALL BE MOVED TO A STORAGE AREA ON-SITE DESIGNATED BY THE OWNER; UNWANTED MATERIALS AND DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE.

SHEET NOTES:

- VERIFY EXISTING 277V LIGHTING CIRCUIT THAT SUPPLIES LIGHTING TO BE REMOVED.
- INTERCEPT AND PRESERVE EXISTING BRANCH CIRCUIT AT THIS LOCATION, TO BE SPLICED AND EXTENDED PER NEW WORK PLAN.
- DEMOLISH BURIED LIGHTING CIRCUIT.
- REMOVE LUMINAIRE POLE AND ASSOCIATED CIRCUIT. REMOVE CONCRETE FOUNDATION TO NOT LESS THAN 42 INCHES BELOW EXISTING GRADE.
- LOCATE AND PRESERVE EXISTING CONDUIT SPARES; MODIFY AS REQUIRED TO BE ACCESSIBLE IN NEW ADDITION CRAWLSPACE.
- LOCATE, MODIFY, AND REROUTE CIRCUITS TO MAINT. BUILDING AS REQUIRED BY NEW ADDITION CONSTRUCTION AND SITE GRADING. SEE CRAWLSPACE PLAN (E4.4).
- EXISTING 480/277V FEEDER SUPPLIES MAINT. BLDG. PANEL MBB. DISCONNECT AT MAIN DISTRIBUTION SWITCHBOARD (MDS). SEE E6.1.
- DISCONNECT EXISTING MODULAR BUILDING FROM ALL CIRCUITS. BUILDING TO BE REMOVED PER CIVIL PLAN.
- DEMOLISH BURIED CIRCUITS TO MODULAR BUILDING SCHEDULED FOR REMOVAL.
- DEMOLISH 200A, 208Y/120V DISCONNECT SWITCH AND SUPPORT.



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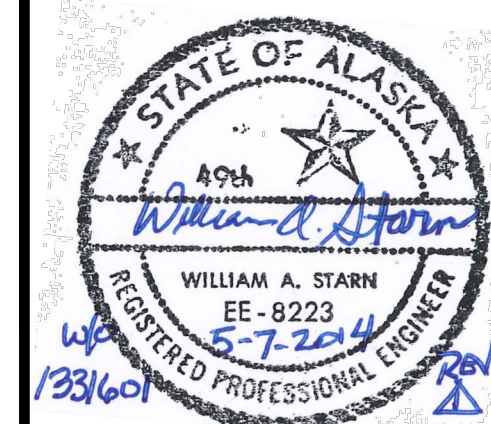
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| Drawn | JCA DGB |
| Checked | WAS |
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Sheet Contents:
ELECTRICAL SITE PLAN - DEMOLITION

Sheet No.:
E1.1

USKH W.O. 1331601

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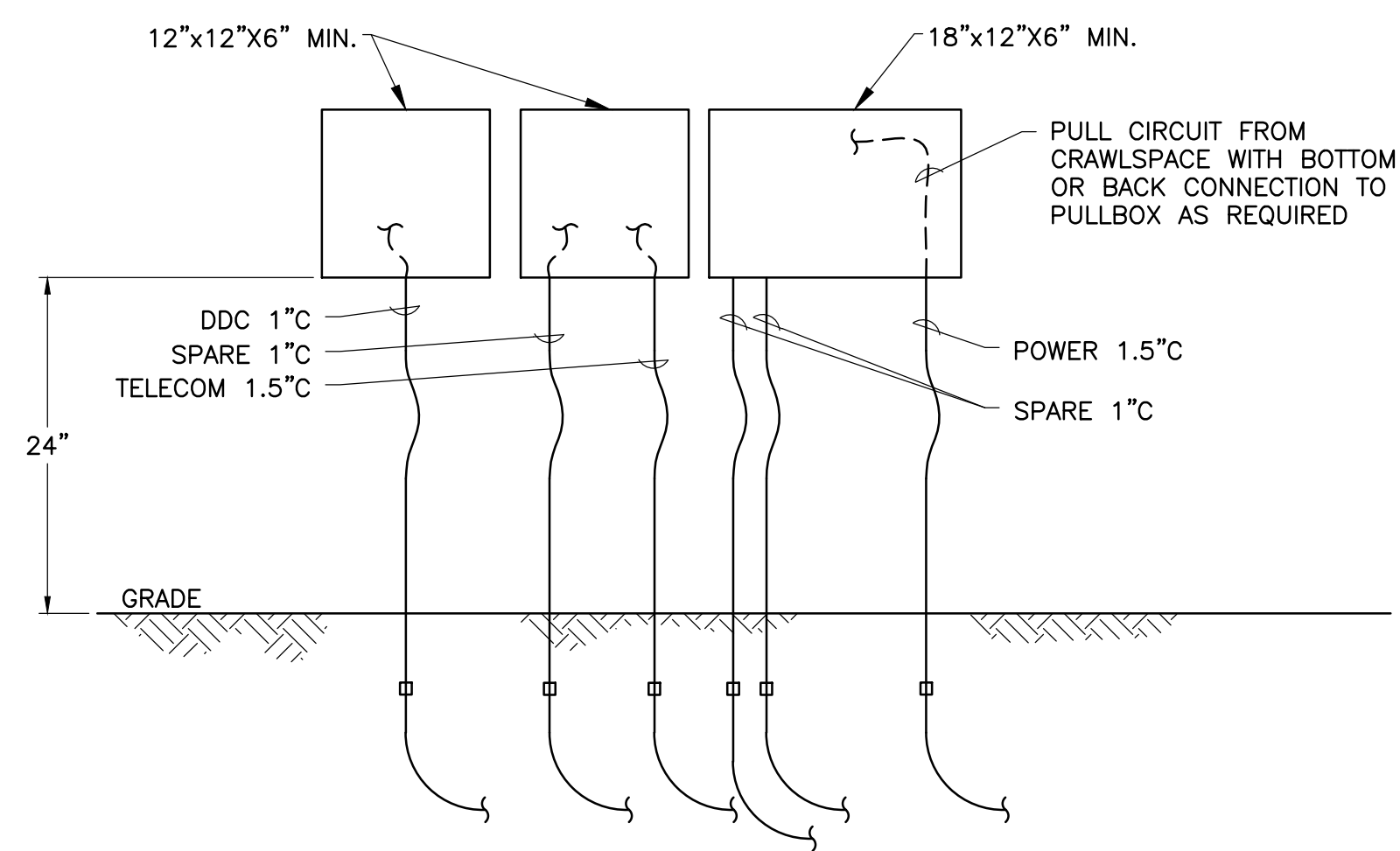


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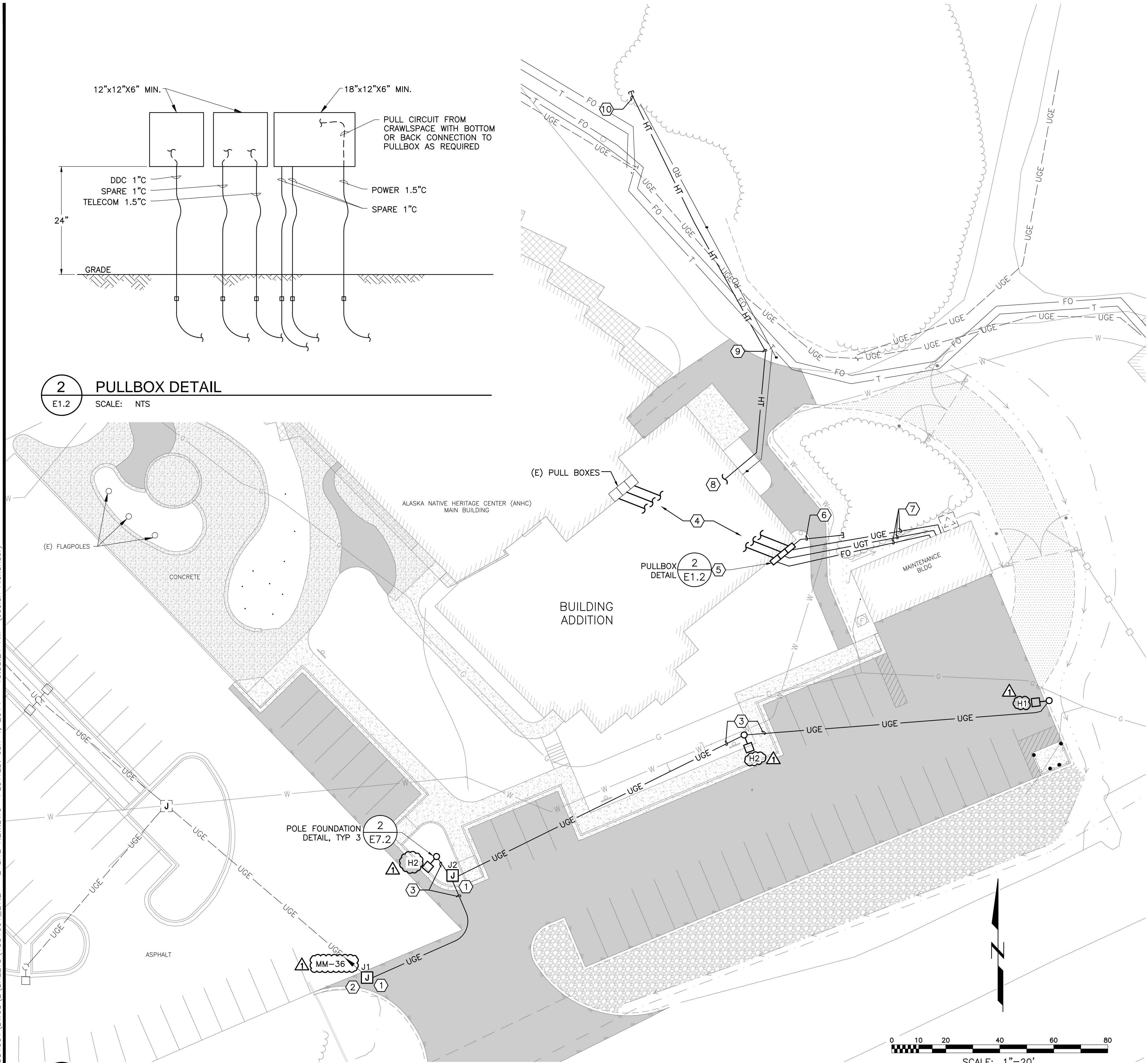
- NEW WORK INDICATED BY BOLD LINE TYPE AND AS NOTED. REFER TO CIVIL DRAWINGS FOR RELATED WORK.
- SITE WORK: OBTAIN LOCATES AND VERIFY LOCATION OF UNDERGROUND FACILITIES BEFORE CONSTRUCTION. STAKE OR PAINT LOCATIONS FOR PROPOSED EQUIPMENT AND TRENCHING, AND OBTAIN OWNER APPROVAL BEFORE PROCEEDING. PERFORM ALL CUTTING, PATCHING, EXCAVATION, BACKFILL, AND COMPACTION AS REQUIRED FOR COMPLETE INSTALLATION IN COORDINATION WITH OTHER TRADES.
- PARKING LOT ADDITION LIGHTING:
 - ILLUMINATION CRITERIA: 0.2 FC MINIMUM; 20:1 MAX/MIN UNIFORMITY.
 - MOA COMPLIANCE: NEW PARKING AREA LIGHTING MEETS THE LEVEL OF ILLUMINATION, UNIFORMITY RATIOS, AND MINIMUM LUMEN INTENSITIES SPECIFIED IN THE ILLUMINATION GUIDELINES SET BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA, RR-03, 4TH EDITION DATED 2003 AND THE REQUIREMENTS SET FORTH BY THE MUNICIPALITY OF ANCHORAGE. IN ADDITION, THE LIGHTING IS DESIGNED TO PREVENT GLARE TO MOTORISTS ON PUBLIC STREETS AND TO RESIDENTS OF ADJOINING PROPERTIES IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
 - EXISTING SITE LIGHTING IS HPS, 2100K COLOR TEMPERATURE (CCT). 4000K CCT LED LUMINAIRES ARE INTENDED TO EVENTUALLY REPLACE EXISTING HPS.
- SEE LUMINAIRE SCHEDULE ON **E3.1**

SHEET NOTES:

- PROVIDE NEW TYPE 1A HANDHOLE SET IN PAVEMENT, GRAVEL, OR GRASSED AREA AS REQUIRED, IN ACCORDANCE WITH MOA MASS AND DETAIL # 80-31.
- SPLICE TO EXISTING PARKING LOT LIGHTING 277V CIRCUIT; VERIFY **PANEL MM CIRCUIT**
- PROVIDE 2#8, #8 GND IN RMC OR SCH.40 HDPE CONDUIT, 1" MIN. SIZE, TRENCHED WITH 30" COVER AND DETECTABLE WARNING TAPE AT 12" DEPTH. CONDUIT SHALL BE RMC WITHIN 5 FT OF POLE FOUNDATIONS, AND RMC ELBOWS AT HANDHOLES.
- SEE **E4.3** FOR EXTENSION OF EXISTING CIRCUITS UNDER NEW BLDG ADDITION CRAWL SPACE.
- SURFACE MOUNT PULL BOXES PER DETAIL THIS SHEET FOR RECONNECT OF EXISTING CIRCUITS TO MAINTENANCE BUILDING. PROVIDE TYPE 3R PULL BOXES SIZED PER NEC. PAINT ENCLOSURES AND CONDUIT TO MATCH BUILDING FINISH. PROVIDE SLACK LFMC RISERS TO BURIED CONDUIT TO ALLOW FOR GROUND MOVEMENT.
- STUB OUT AND CAP (3) 1" CONDUIT SPARES FROM FOUNDATION TO 24" BEYOND NEW PAVEMENT FOR FUTURE USE.
- RECONNECT CIRCUITS TO EXISTING MAINTENANCE BLDG, WHICH INCLUDE:
 - 1.5" C: 4#2, #8G. 480Y/277V FEEDER TO PANEL MBB FROM SWITCHBOARD MDS.
 - 1.5" C: FO AND MULTI-PAIR TELEPHONE CABLES.
 - 1" C: MULTI-CONDUCTOR CABLE (ASSUMED DDC SYSTEM).
- SEE **E4.4** CRAWLSPACE PLAN FOR STORM DRAIN THAW WIRE POWER CONNECTION THRU RAIN LEADER WYE FITTING.
- PROVIDE ELECTRIC HEAT TRACE / THAW WIRE CABLE IN CONTINUOUS RUN INSIDE THE CPEC STORM DRAIN PIPE. HEAT TRACE SHALL BE SELF-REGULATING, PARALLEL RESISTANCE HEATER CABLE DESIGNED FOR SUBMERSIBLE FREEZE PROTECTION, RATED 120V, 5W / FT, WITH #12 AWG BUS WIRES, COPPER BRAID AND OVERJACKET, AND SUITABLE FOR USE IN CONTACT WITH PLASTIC PIPE. MFR: ARCTIC TRACE TYPE TL #Z120512-CB-TL-TEZ OR APPROVED EQUAL. HEAT TRACE SHALL BE PROTECTED BY GFEP CIRCUIT BREAKER.
- AT END OF STORM DRAIN PIPE, ROUTE CABLE IN 1-INCH RMC STARTING 3 FEET INSIDE PIPE AND EXTEND TO 4 FEET BEYOND END OF PIPE. SUPPORT CONDUIT 2 TO 3 INCHES ABOVE GRADE USING 40 INCH LENGTH CHANNEL STAKES (B-LINE #B52) DRIVEN INTO EARTH AND CONDUIT CLAMPS (B-LINE #B2210) WITH HDG FINISH. TERMINATE CABLE WITH MFR'S STANDARD KIT, AND SEAL CONDUIT WITH THREADED PLUG. RMC SHALL BE BONDED TO THE POWER TERMINAL J-BOX AND THE SOURCE EQUIPMENT GROUNDING CONDUCTOR (EGC) IN AN APPROVED MANNER.



2 PULLBOX DETAIL
E1.2 SCALE: NTS



1 ELECTRICAL SITE PLAN - NEW WORK
E1.2 SCALE: 1" = 20'

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ELECTRICAL SITE PLAN - NEW WORK

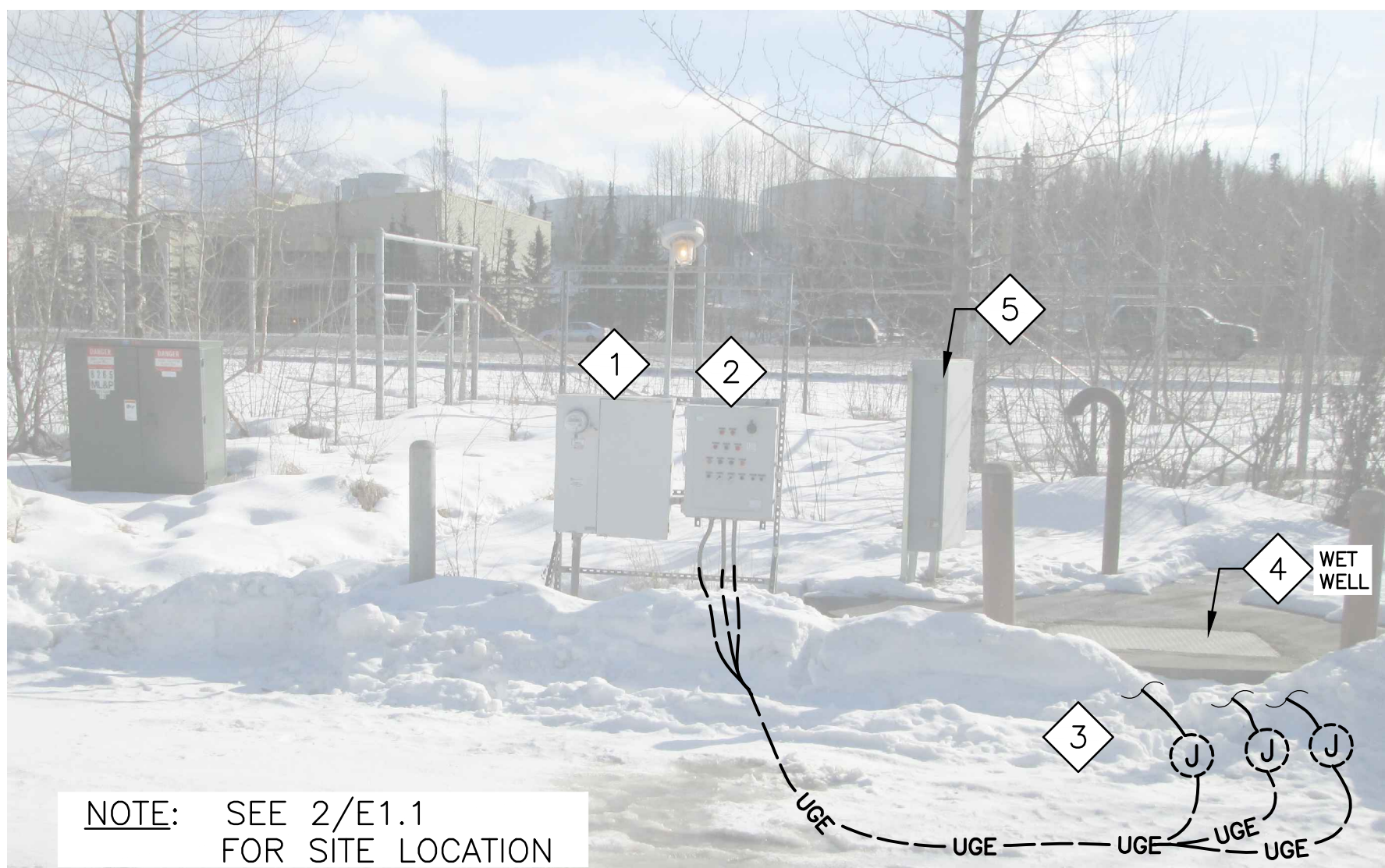
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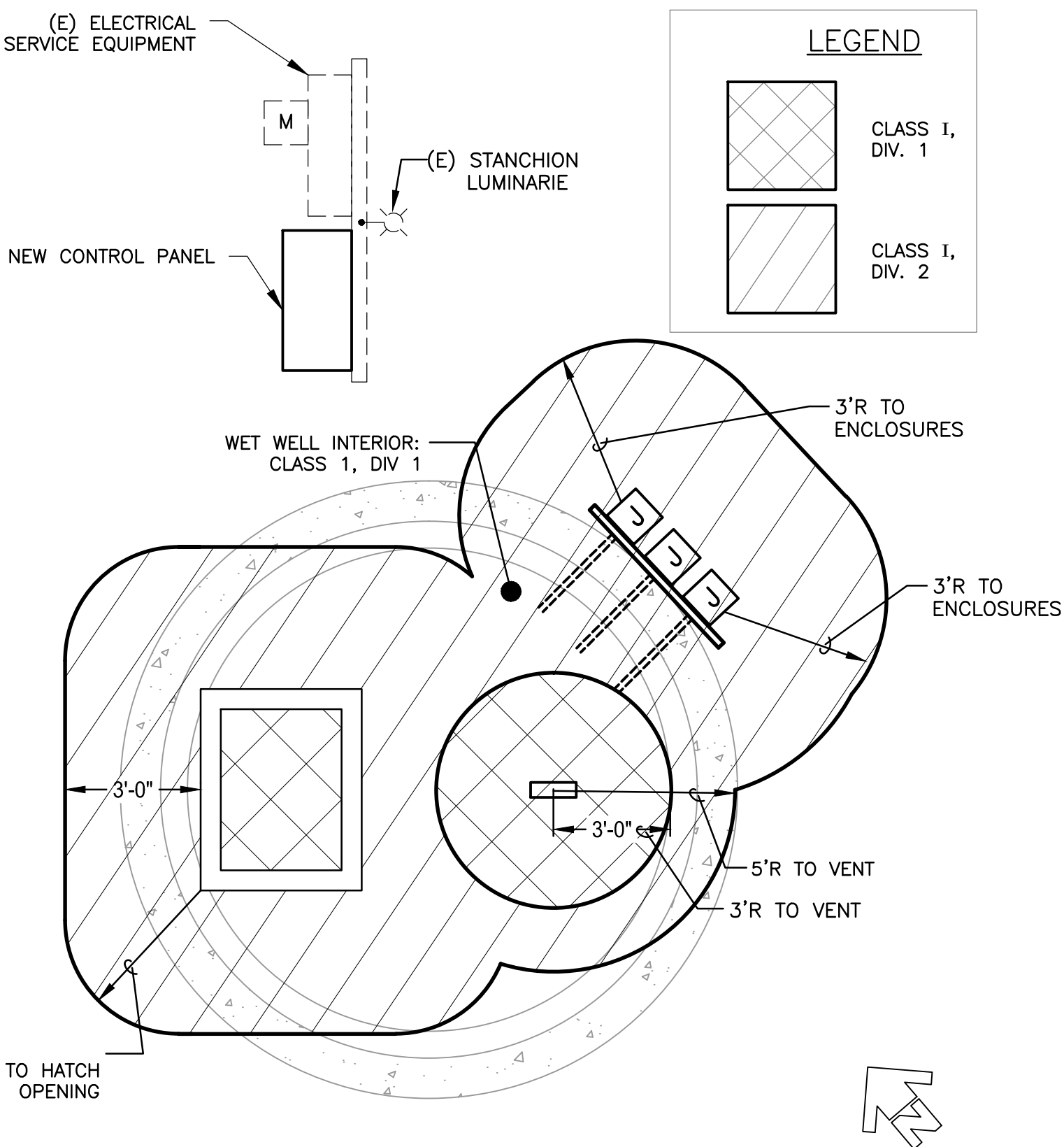
PROVIDE ALL WORK IN CONFORMANCE WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS), CURRENT EDITION.

DEMOLITION NOTES:

- EXISTING 480V GRD-Y 3-PHASE SERVICE EQUIPMENT AND STANCHION LIGHTING TO REMAIN.
- REMOVE EXISTING LIFT STATION CONTROL PANEL.
- DEMOLISH EXISTING PUMP POWER AND CONTROL CIRCUITS, J-BOXES, AND EXPOSED CONDUIT.
- REMOVE CABLES AND CONTROLS IN WET WELL. PATCH PENETRATIONS IN WET-WELL AFTER CONDUITS ARE REMOVED.
- REMOVE AUXILIARY NON-ELECTRICAL PANEL. COORDINATE WITH CIVIL DEMOLITION.



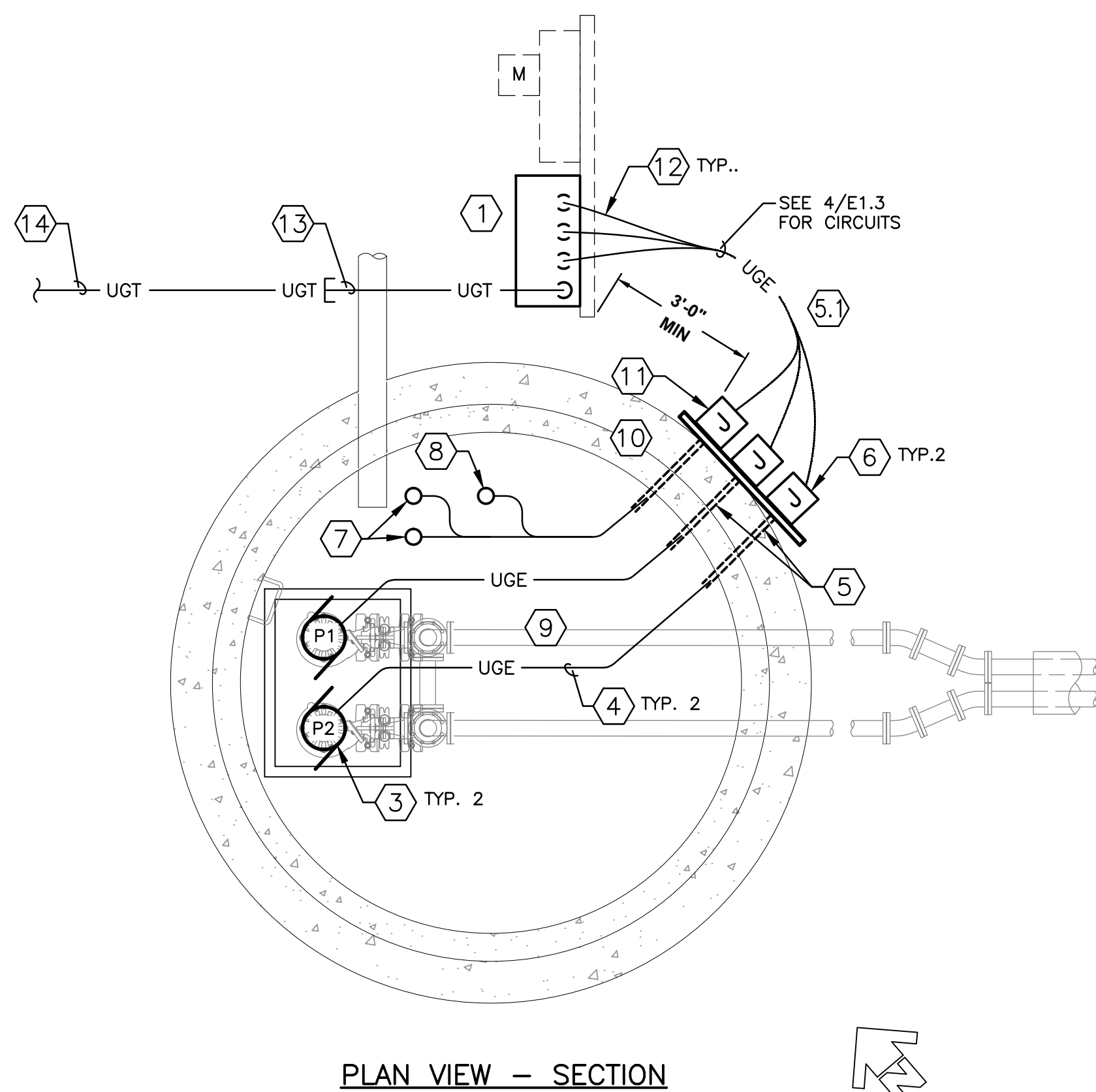
1 SEWER LIFT STATION PHOTO - ELECTRICAL DEMOLITION
E1.3 SCALE: NTS



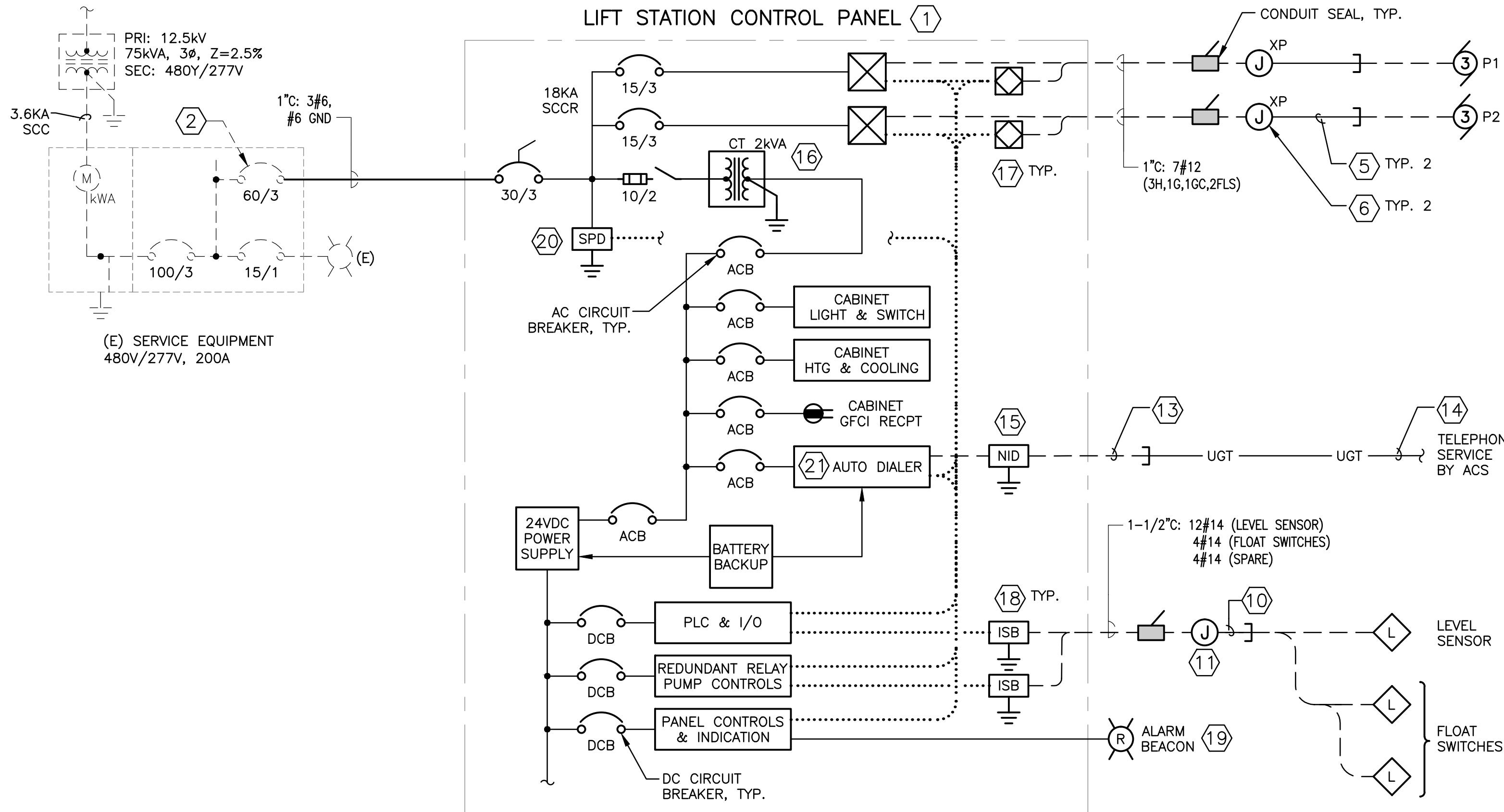
2 SEWER LIFT STATION - AREA CLASSIFICATION PLAN
E1.3 SCALE: NTS

SHEET NOTES:

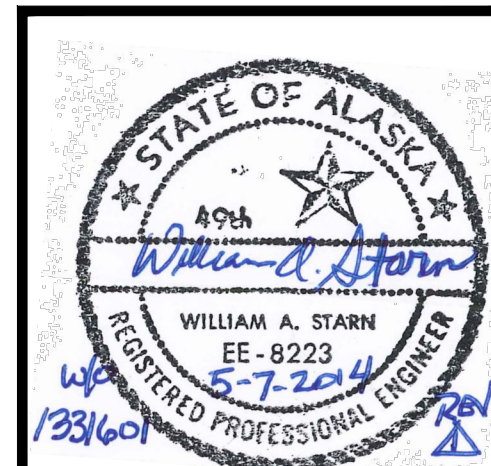
- PROVIDE REPLACEMENT CONTROL PANEL. SEE SPECIFICATION SECTION 02532.
- REPLACE FEEDER BREAKER AS REQUIRED TO MATCH REQUIREMENTS OF NEW CONTROL PANEL.
- LIFT-STATION PUMP WITH INTEGRAL MOISTURE DETECTION AND THERMAL OVERLOAD SENSORS.
- HEAVY-DUTY WATERPROOF CORD FURNISHED INTEGRAL WITH PUMP MOTOR, FOR PUMP POWER AND CONTROL CIRCUITS.
- 2" RMC CHASE FOR PUMP CABLE. PROVIDE BUSHING ON WET-WELL END AND SEAL AROUND CABLE WITH NON-HARDENING, RE-ENTERABLE DUCT SEALANT.
- PROVIDE WALL PENETRATIONS FOR CONDUITS WITH CONNECTION TO ABOVE GRADE J-BOXES. FOR PENETRATIONS BELOW GRADE, PROVIDE CONDUIT WITH SWEEP FITTING CONNECTION UP TO J-BOXES. PROVIDE RIDGID SUPPORT FOR J-BOXES WITH HDG FRAMING SECURED TO LIFT STATION WALL. PROVIDE EXPLOSION-PROOF CONDUIT SEAL AT EACH J-BOX FOR CONDUIT EXITING CLASS 1 / DIV. 2 AREA, SIZE AS REQUIRED (25% MAXIMUM WIRE FILL).
- CAST METAL JUNCTION BOX W/ GASKETED COVER, NEMA 3, 4, 7CD, CROUSE-HINDS TYPE GUAB OR GUAM AS REQUIRED, W/ 2" HUBS. SPLICE PUMP CORD IN J-BOX USING INSULATED SPLICE BLOCKS, BURNDY BIT4 OR EQUAL. VERIFY NO EXPOSED CONDUCTOR OR SPLICE BODY WHEN SPLICE IS COMPLETE.
- LIQUID LEVEL FLOAT SWITCHES WITH INTEGRAL CABLE. REFER TO LIFT STATION SPEC.
- LIQUID LEVEL TRANSDUCER WITH INTEGRAL CABLE. REFER TO LIFT STATION SPEC.
- PROVIDE HDG CABLE SUPPORT HOOKS / RACKS BELOW LID. ARRANGE CABLES SO THEY DO NOT OBSTRUCT PUMP REMOVAL OR LADDER ACCESS.
- 1-1/2" RMC CHASE FOR CONTROL CABLES. PROVIDE BUSHING ON WET-WELL END AND SEAL AROUND CABLE WITH NON-HARDENING, RE-ENTERABLE DUCT SEALANT.
- PROVIDE 10" X 8" X 4" NEMA 4X STAINLESS STEEL JUNCTION BOX FOR INTRINSICALLY SAFE CIRCUITS ONLY. HOFFMAN NFSS-S-10P8SS OR EQUAL. PROVIDE WITH TERMINAL STRIP FOR CABLE SPLICES. LABEL SPARE CONDUCTORS AND TERMINATE ON TERMINAL STRIP IN CONTROL PANEL, AND CAP ENDS IN JUNCTION BOX WITH 10" MINIMUM SLACK.
- PROVIDE SLACK LFMC CONDUIT RISERS FROM GRADE AT CONTROL PANEL TO ALLOW FOR GROUND MOVEMENT.
- EXTEND 1" RMC BELOW GRADE OUT 5' FROM CONTROL PANEL AND MARK WITH STAKE FOR TELEPHONE UTILITY SERVICE CABLE ENTRANCE.
- U/G TELEPHONE SERVICE BY UTILITY (ACS). SUBMIT NEW SERVICE APPLICATION FOR OWNER SIGNATURE, AND COORDINATE WITH UTILITY TO PROVIDE NEW TELEPHONE LINE SERVICE TO LIFT STATION CONTROL PANEL.
- COORDINATE INSTALLATION OF UTILITY-FURNISHED NETWORK INTERFACE DEVICE (NID) INSIDE OR OUTSIDE PUMP CONTROL PANEL. IF INSIDE PANEL, ALLOCATE 2.2 SF (MIN.) SUBPANEL SPACE; IF OUTSIDE PANEL MOUNT NID IN A SEPARATE SUITABLY SIZED NEMA 4X HINGED DOOR ENCLOSURE WITH PADLOCKING PROVISIONS.
- ADJUST CONTROL TRANSFORMER SIZE AS REQUIRED BY CONTROL PANEL LOADS.
- PROVIDE SUPERVISION RELAY FOR THERMAL AND LEAKAGE SENSORS, FLYGT MINICAS II OR EQUAL.
- INTRINSICALLY SAFE CIRCUIT BARRIERS AS REQUIRED.
- MOUNT 24VDC STROBE LIGHT ALARM BEACON WITH RED LENS ON TOP OF PUMP CONTROL PANEL FOR VISIBILITY FROM FRONTAGE ROAD. EDWARDS 56 SERIES OR EQUAL. ACTIVATE ALARM BEACON UPON REGISTERING ANY CRITICAL LIFT STATION ALARM CONDITION.
- PROVIDE 480/277V, 3P4W, 160KA RATED BUS-MOUNTED SURGE PROTECTOR WITH INTEGRAL DISCONNECT AND AUXILIARY ALARM CONTACTS. WIRE ALARM CONTACTS TO PLC AND ALARM DIALER FOR REMOTE REPORTING.
- PROVIDE AUTO-DIALER WITH BATTERY BACKUP AND EXTERNAL PLUG-IN POWER CUBE CONVERTER AS REQUIRED FOR UL-LISTED ASSEMBLY.



3 LIFT STATION - ELECTRICAL PLAN
E1.3 SCALE: NTS



4 LIFT STATION POWER & CONTROL ONE-LINE DIAGRAM
E1.3 SCALE: NTS



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Sheet Contents:
ELECTRICAL SITE PLAN - LIFT STATION


Sheet No.:
E1.3

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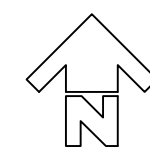
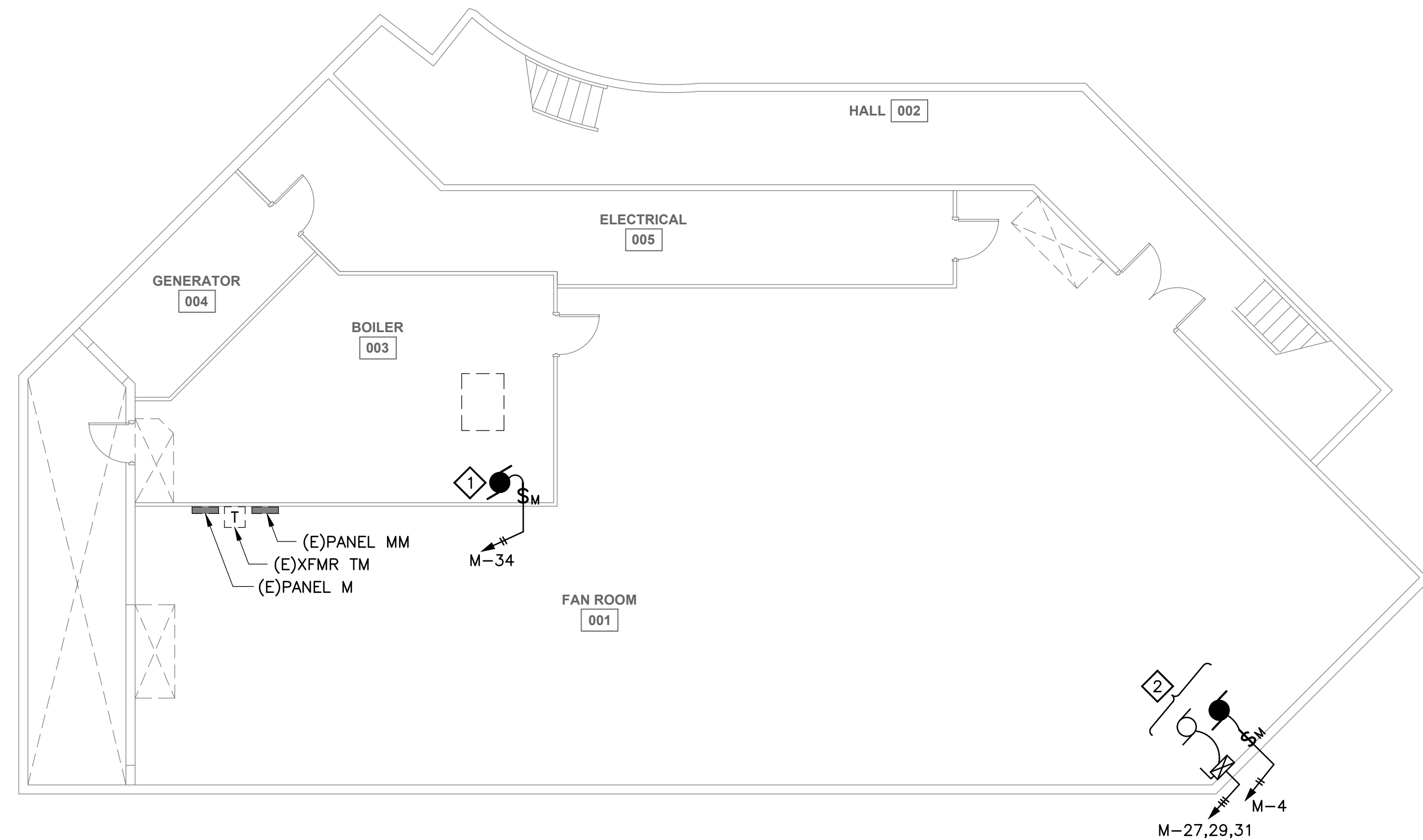
FILE: I:\1331601\DWGS\E\1331601_E2.1 - E DEMO.DWG PLOTTED: May 21, 2014 - 9:08:47 AM (Josiah Alexander)

GENERAL NOTES:

1. REFER TO ELECTRICAL DEMOLITION GENERAL NOTES ON SHEET E1.1.

SHEET NOTES: 

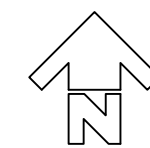
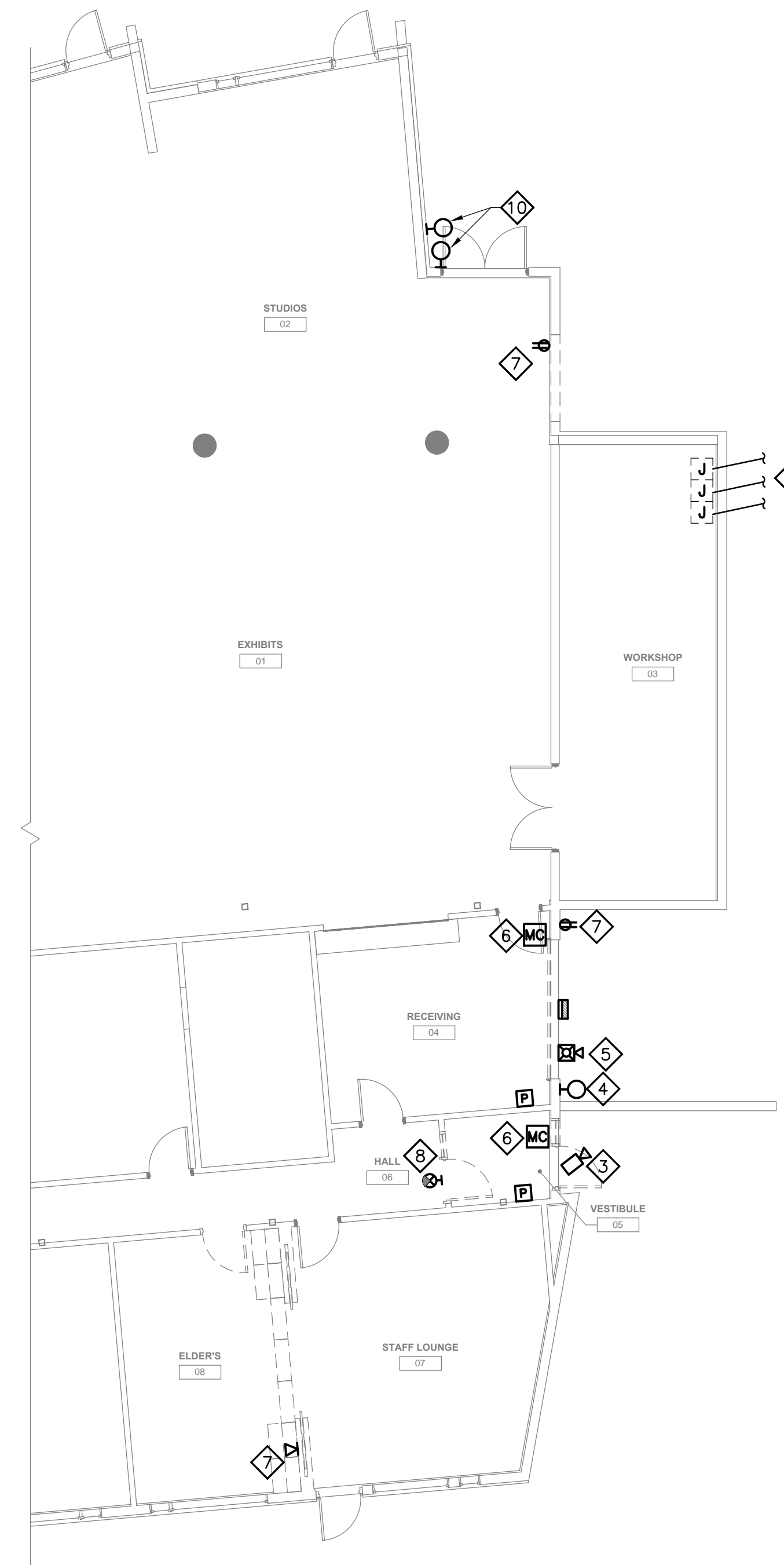
1. DISCONNECT AND REMOVE MOTOR DISCONNECT, BRANCH AND CONTROL CIRCUITS RELATED TO SNOW-MELT PUMP IN BOILER ROOM. COORDINATE WITH MECH DEMO PLAN.
2. DISCONNECT AND REMOVE MOTOR STARTERS, BRANCH AND CONTROL CIRCUITS RELATED TO SNOW-MELT PUMPS IN FAN ROOM. COORDINATE WITH MECH DEMO PLAN.
3. REMOVE VIDEO SURVEILLANCE CAMERA.
4. REMOVE RAIN/SNOW GAUGE SENSOR AND CONDUIT RISER. DETERMINE IF DEVICE FUNCTION IS TO BE PRESERVED.
5. REMOVE FIRE ALARM HORN/STROBE.
6. REMOVE SECURITY MAGNETIC DOOR POSITION SENSOR.
7. REMOVE OUTLET.
8. REMOVE SELF-LUMINOUS EXIT SIGN AND DISPOSE AS HAZ-MAT.
9. SEE E1.1 DEMOLITION SITE PLAN FOR MODIFICATION OF EXISTING BURIED CONDUIT SPARES AND CIRCUITS TO MAINTENANCE BUILDING.
10. REMOVE CORD CONNECTED TEMPORARY AREA LIGHTS ON WALL.



1
E2.1

ELECTRICAL DEMOLITION - EXISTING BASMENT

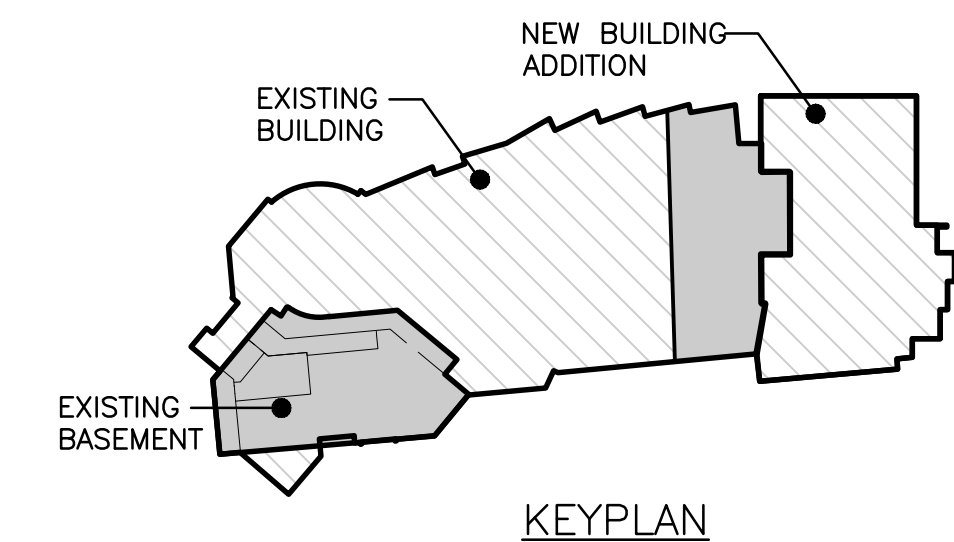
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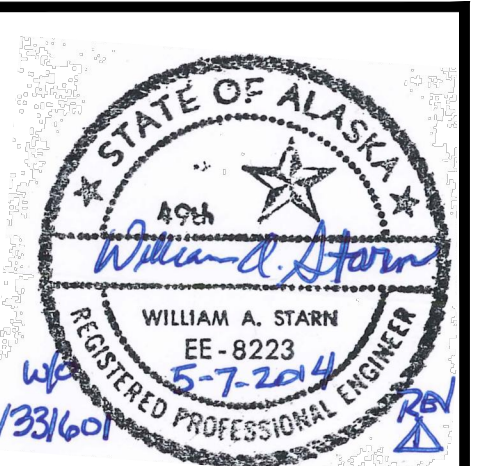
2
E2.1

ELECTRICAL DEMOLITION - BUILDING EAST END

SCALE: 1/8" = 1'-0"



KEYPLAN



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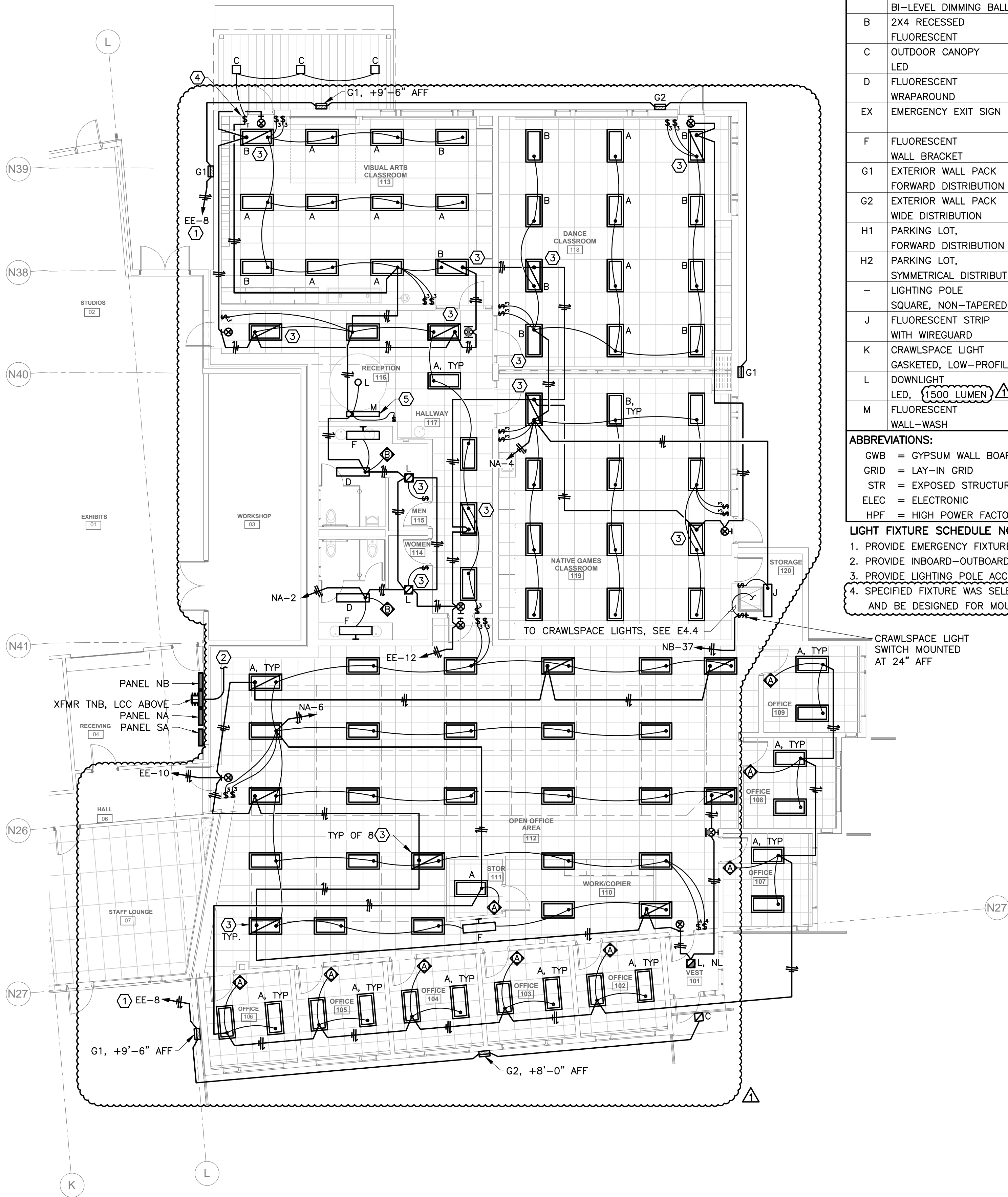
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Sheet Contents:
ELECTRICAL DEMOLITION PLAN

Sheet No.:
E2.1

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| LIGHT FIXTURE SCHEDULE | | | | | | | | | | | | | |
|------------------------|--|---------|-------|-------------|-------|-----------|---------|----------|----------|------------|----------|--|-------|
| ID | DESCRIPTION | FIXTURE | | | LAMPS | | BALLAST | | MOUNTING | MTG HEIGHT | CLG TYPE | MANUFACTURERS CATALOG NO. | NOTES |
| | | VOLTAGE | WATTS | COLOR | NO. | TYPE | NO. | TYPE | | | | | |
| A | 2X4 RECESSED FLUORESCENT, BI-LEVEL DIMMING BALLAST | 120-277 | 56 | N/A | 2 | T8 | | GEB10PS | RECESSED | MATCH GRID | GRID | LITHONIA 2VT8 2 32 ADP LPSM735 | 1 |
| B | 2X4 RECESSED FLUORESCENT | 120-277 | 79 | N/A | 3 | T8 | | GEB10PS | RECESSED | MATCH GRID | GRID | LITHONIA 2VT8 3 32 ADP LPSM735 | 1, 2 |
| C | OUTDOOR CANOPY LED | 120-277 | 56 | DARK BRONZE | - | LED 5700K | - | - | SURFACE | | | LITHONIA OLWCM 36 | |
| D | FLUORESCENT WRAPAROUND | 120-277 | 58 | N/A | 2 | T8 | | GEB10PS | SURFACE | MATCH GWB | GWB | LITHONIA 2AW 2 32 AR MVOLT | |
| EX | EMERGENCY EXIT SIGN | 120/277 | 1 | N/A | - | LED | - | - | WALL | 7'-6" | - | LITHONIA LHQM LED G | |
| F | FLUORESCENT WALL BRACKET | 277 | 35 | N/A | 1 | T8 | 1 | ELEC | WALL | 7'-0" | - | AXIS LIGHTING ARW S 4 T8 1 W UNV | |
| G1 | EXTERIOR WALL PACK FORWARD DISTRIBUTION | 120-277 | 34 | BRONZE | 28 | LED 4200K | - | - | WALL | 10' AFG | - | LSI XPWS3 FT LED 28 350 NW UE BRZ | |
| G2 | EXTERIOR WALL PACK WIDE DISTRIBUTION | 120-277 | 34 | BRONZE | 28 | LED 4200K | - | - | WALL | 10' AFG | - | LSI XPWS3 WT LED 28 350 NW UE BRZ | |
| H1 | PARKING LOT, FORWARD DISTRIBUTION | 120-277 | 286 | DARK BRONZE | 60 | LED 4000K | - | - | POLE | 30' | - | LITHONIA CSX1 60C 1000 40K TFTM MVOLT DBLBXD | 3 |
| H2 | PARKING LOT, SYMMETRICAL DISTRIBUTION | 120-277 | 416 | DARK BRONZE | 120 | LED 4000K | - | - | POLE | 30' | - | LITHONIA CSX2 LED 120C 1000 40K T5M MVOLT | 3 |
| - | LIGHTING POLE SQUARE, NON-TAPERED | - | - | DARK BRONZE | - | - | - | - | - | - | - | - | |
| J | FLUORESCENT STRIP WITH WIREGUARD | 120-277 | 64 | N/A | 2 | T8 | | GEB10PS | SURFACE | MATCH GWB | GWB | LITHONIA C 2 32 MVOLT WG | 1 |
| K | CRAWLSPACE LIGHT GASKETED, LOW-PROFILE | 120-277 | 40 | N/A | 1 | T8 | | GEB10ISH | SURFACE | SFP | STR | LITHONIA FEM4 1 32 BMPCL MVOLT GEB10ISH | |
| L | DOWNLIGHT LED, (1500 LUMEN) | 277 | 36 | WHITE | - | LED 3500K | - | - | RECESSED | 8'-0" | GWB | LITHONIA DOM8R LED 1500L 35K 277 DOBAZ TRW | |
| M | FLUORESCENT WALL-WASH | 277 | 30 | WHITE | 1 | 32W T8 | 1 | ELEC HPF | RECESSED | 9'-0" | GRID | ELP DWTB 132 T 8DW TB | 4 |

ABBREVIATIONS:

GWB = GYPSUM WALL BOARD
 GRID = LAY-IN GRID
 STR = EXPOSED STRUCTURE
 ELEC = ELECTRONIC
 HPF = HIGH POWER FACTOR

CWA = CONSTANT WATTAGE AUTOTRANSFORMER
 TEX = TEXTURED
 N/A = NOT APPLICABLE

SFP = SEE FLOOR PLAN
 SMHS = SEE MOUNTING HEIGHT SCHEDULE

GENERAL NOTES:

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL FOR FIXTURE TYPE UNLESS OTHERWISE INDICATED ON THE PLANS.
2. FIXTURE TYPES INDICATED IN EACH ROOM ON THE PLANS ARE TYPICAL FOR ALL FIXTURES USING THE SAME SYMBOL IN THAT ROOM UNLESS OTHERWISE INDICATED.

LIGHT FIXTURE SCHEDULE NOTES:

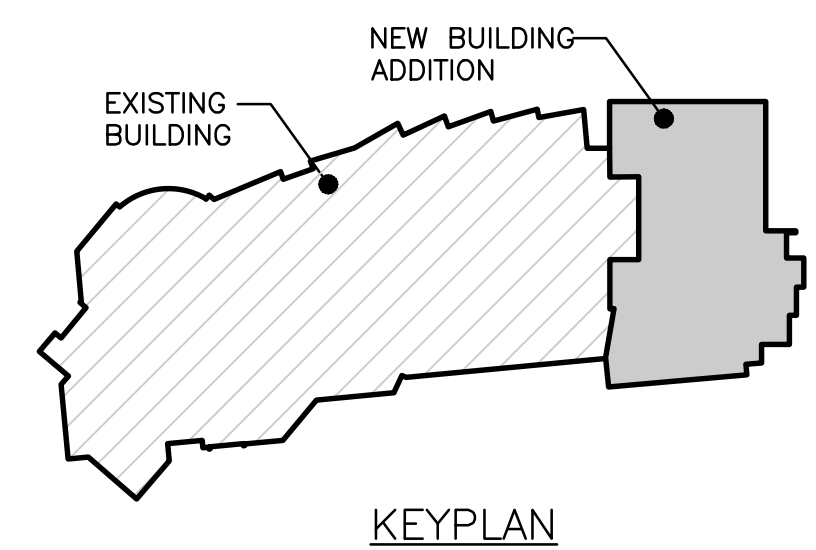
1. PROVIDE EMERGENCY FIXTURES (AS INDICATED ON PLAN) WITH INTEGRAL OR EXTERNAL EMERGENCY TRANSFER DEVICE.
2. PROVIDE INBOARD-OUTBOARD LAMP SWITCHING FOR 3-LAMP LUMINAIRES.
3. PROVIDE LIGHTING POLE ACCORDING TO LIGHT FIXTURE SCHEDULE. COORDINATE POLE LENGTH WITH FOUNDATION DETAIL 2/E7.2.
4. SPECIFIED FIXTURE WAS SELECTED BASED ON OPTICAL PERFORMANCE IN CLOSE-PROXIMITY MOUNTING DISTANCES. ANY SUBSTITUTE FIXTURE SHALL HAVE EQUAL OPTICAL PERFORMANCE AND BE DESIGNED FOR MOUNTING WITHIN 1 FT OF WALL SURFACE TO BE ILLUMINATED.

GENERAL NOTES:

1. ALL EXIT SIGNS ARE TYPE 'EX' FIXTURES, UNLESS OTHERWISE NOTED.

SHEET NOTES: (X)

1. ROUTE EXTERIOR LIGHTING THRU LCC AT PANEL NA. SEE EXTERIOR LIGHTING CONTROL DETAIL.
2. MOUNT PHOTOCELL ON ROOF. SEE E4.5.
3. PROVIDE EMERGENCY TRANSFER DEVICES (ETD'S) AS REQUIRED TO AUTOMATICALLY SWITCH EMERGENCY POWER TO THE DESIGNATED EMERGENCY LIGHTING FIXTURES UPON FAILURE OF THE NORMAL LIGHTING CIRCUIT. FOR EACH LIGHTING CONTROL AREA OR ZONE ON THE SAME CIRCUITS, PROVIDE EITHER ONE ETD TO SWITCH MULTIPLE FIXTURES OR ONE ETD PER LUMINAIRE.
4. TIMER SWITCH FOR RECEIVING CANOPY LIGHTS. TYPE SHALL BE LEVITON LTB30-1L, LTT60-1L, OR EQUAL.
5. MOUNT FIXTURE TO ILLUMINATE DECORATIVE WALL PANELS ON SOUTH WALL OF RECEPTION.



1 NEW ADDITION - LIGHTING PLAN
 E3.1 SCALE: 1/8" = 1'-0"

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Sheet Contents:
NEW ADDITION LIGHTING PLAN

Sheet No.:
E3.1

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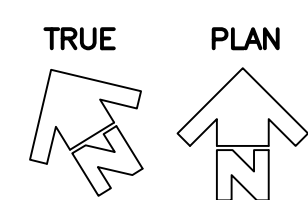
FILE: I:\1331601\DWGS\E\SHEETS\1331601_E4.1 - E FEEDER.DWG PLOTTED: May 21, 2014 - 9:09:10 AM (Josiah Alexander)

GENERAL NOTES:

1. NEW WORK INDICATED BY BOLD LINE TYPE AND AS NOTED.
2. PROVIDE PULL BOXES AND SUPPORTS RACEWAYS AND PATHWAY SYSTEMS AS REQUIRED.
3. WORK IDENTIFIED AS "ALTERNATE" TO BE NEGOTIATED AND PERFORMED UNDER SEPARATE AGREEMENT WITH OWNER.

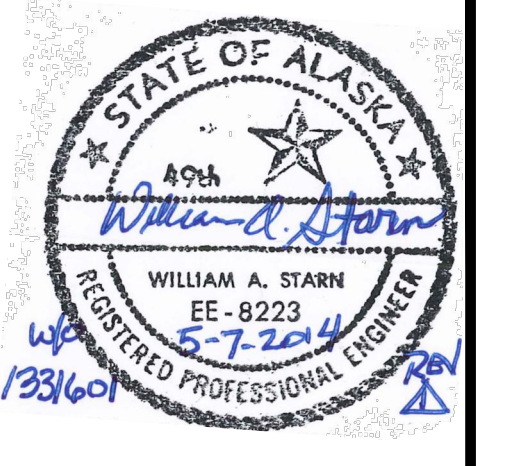
SHEET NOTES: (X)

1. PROVIDE ELECTRICAL POWER AND SYSTEMS INTERCONNECTS TO NEW ADDITION AS FOLLOWS:
 - POWER FEEDERS (P1, P2, P3) AS INDICATED ON E6.1 ONE-LINE DIAGRAM.
 - TELECOM FIBER OPTIC CABLE AS INDICATED ON E7.1 RISER DIAGRAM.
 - TELECOM BONDING BACKBONE (TBB) CABLE: #3/0 AWG BARE CU.
 - FIRE ALARM SIGNAL CIRCUITS IN 1" C. AS INDICATED ON E7.1 RISER DIAGRAM.
2. PROVIDE POWER, TELECOM, AND FIRE ALARM CONDUIT RISERS FROM WEST WALL OF PROJECTION ROOM DOWN TO BASEMENT. SEE (E4.2) FOR CONTINUATION.
3. ROUTE NEW INTERCONNECT CIRCUITS IN PATHWAYS AS FOLLOWS:
 - SEGMENT A-B: ROUTE THRU OPEN STRUCTURE CEILING IN RM 159 ("BAT CAVE").
 - SEGMENT B-C: ROUTE ABOVE GB CEILING.
 - SEGMENT C-D: ROUTE ABOVE SUSPENDED GRID CEILING.
 - SEGMENT D TO CLOSET 167: ROUTE ABOVE GB CEILING (ALTERNATE).
 - SEGMENT D-E: ROUTE ABOVE SUSPENDED GRID CEILING.
 - SEGMENT E-F: ROUTE THRU OPEN STRUCTURE CEILING IN RM 139.
 - SEGMENT E-G: ROUTE ABOVE GB CEILING.
 - SEGMENT G-H: ROUTE ABOVE SUSPENDED GRID CEILING TO RM 111.
4. ROOM 159: NEW ADDITION POWER PANELS AND FIRE ALARM SATELLITE PANEL AT THIS LOCATION. SEE (E4.3 AND E5.1) FLOOR PLANS.
5. ROOM 111: NEW ADDITION TELECOM RACK AT THIS LOCATION. SEE (E5.1) FLOOR PLAN.
6. ALTERNATE: PROVIDE FIBER OPTIC CABLE FROM CLOSET 167 TO BASEMENT RM 005. SEE E7.1 TELECOM RISER DIAGRAM.
7. ALTERNATE: RELOCATE THE EXISTING NETWORK SERVER AND SWITCHING EQUIPMENT RACK FROM THIS LOCATION TO BASEMENT RM 005.



1
E4.1

ELECTRICAL POWER & SYSTEMS INTERCONNECT PLAN
SCALE: 1/16" = 1'-0"



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Sheet Contents:
POWER AND SYSTEMS INTERCONNECT PLAN

Sheet No.:
E4.1

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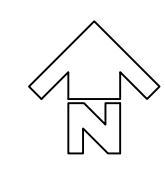
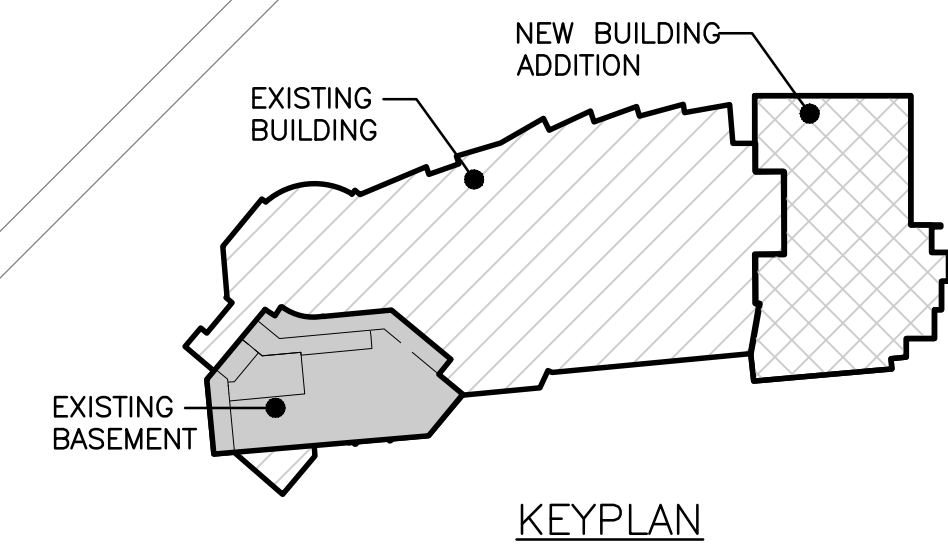
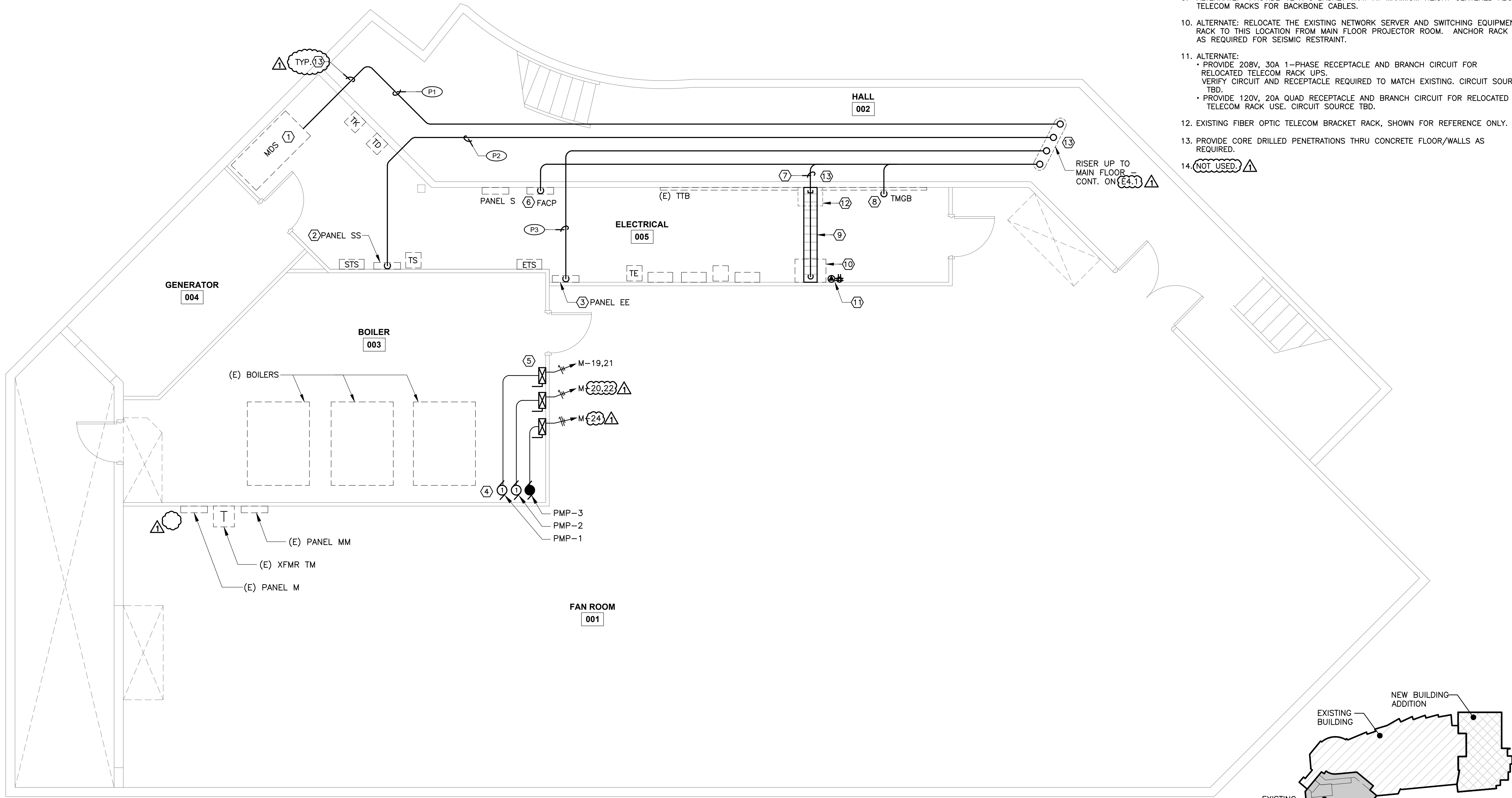
FILE: I:\1331601\DWGS\E\SHEETS\1331601_E4.2 -POWER-BASMENT.DWG PLOTTED: May 21, 2014 - 9:09:17 AM (Joshua Alexander)

GENERAL NOTES:

1. NEW WORK INDICATED BY BOLD LINE TYPE AND AS NOTED.
2. PROVIDE PULL BOXES AND SUPPORTS FOR RACEWAYS AND PATHWAY SYSTEMS AS REQUIRED.
3. WORK IDENTIFIED AS 'ALTERNATE' TO BE NEGOTIATED AND PERFORMED UNDER SEPARATE AGREEMENT WITH OWNER.

SHEET NOTES: (X)

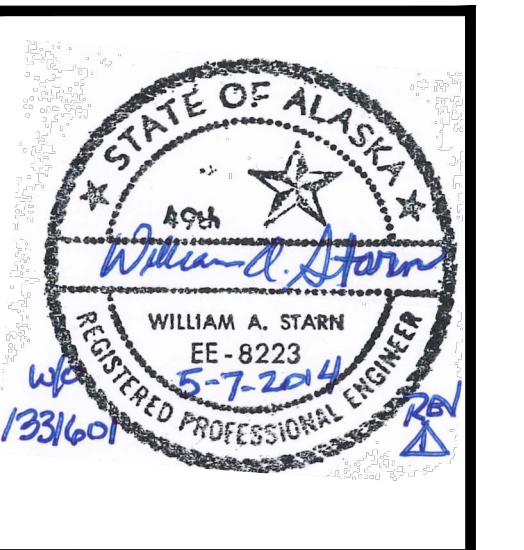
1. MDS: SEE E6.1 ONE-LINE DIAGRAM FOR NEW FEEDER BREAKER ADDITION.
2. PANEL SS: SEE REWORKED PANEL SCHEDULE FOR CIRCUIT ADDITIONS.
3. PANEL EE: SEE REWORKED PANEL SCHEDULE FOR CIRCUIT ADDITION.
4. COORDINATE PUMP LOCATIONS AND MOTOR SIZE WITH MECHANICAL.
5. PROVIDE FVNR STARTERS WITH INTEGRAL DISCONNECT, 120V CONTROL XFMR, HOA SWITCH AND LED RUN LIGHT ON COVER. VERIFY ADEQUATE MOUNTING SPACE FOR MOTOR CONTROLLERS WITH WORKING CLEARANCE AS REQUIRED.
6. PROVIDE NEW SLC CIRCUITS AND INTERFACE TO EXISTING EDWARDS EST2 FACP, AS REQUIRED TO EXTEND FIRE ALARM VOICE EVAC/NOTIFICATION AND INITIATION CIRCUITS TO NEW ADDITION SATELLITE PANEL.
7. SEE TELECOM RISER DIAGRAM FOR FIBER-OPTIC BACKBONE CABLE REQUIREMENTS. STUB CONDUIT FROM HALLWAY INTO NEW CABLE TRAY IN ELECTRICAL ROOM, AND TERMINATE FO CABLES ON SOUTH WALL IN RELOCATED TELECOM RACK AS DIRECTED BY OWNER REPRESENTATIVE.
8. TERMINATE TBB TO EXISTING TMGB WITH COMPRESSION LUG CONNECTION.
9. ALTERNATE: PROVIDE 12" X 3" BASKET TRAY AT MAXIMUM HEIGHT CENTERED ABOVE TELECOM RACKS FOR BACKBONE CABLES.
10. ALTERNATE: RELOCATE THE EXISTING NETWORK SERVER AND SWITCHING EQUIPMENT RACK TO THIS LOCATION FROM MAIN FLOOR PROJECTOR ROOM. ANCHOR RACK AS REQUIRED FOR SEISMIC RESTRAINT.
11. ALTERNATE:
 - PROVIDE 208V, 30A 1-PHASE RECEPTACLE AND BRANCH CIRCUIT FOR RELOCATED TELECOM RACK UPS. VERIFY CIRCUIT AND RECEPTACLE REQUIRED TO MATCH EXISTING. CIRCUIT SOURCE TBD.
 - PROVIDE 120V, 20A QUAD RECEPTACLE AND BRANCH CIRCUIT FOR RELOCATED TELECOM RACK USE. CIRCUIT SOURCE TBD.
12. EXISTING FIBER OPTIC TELECOM BRACKET RACK, SHOWN FOR REFERENCE ONLY.
13. PROVIDE CORE DRILLED PENETRATIONS THRU CONCRETE FLOOR/WALLS AS REQUIRED.
14. (NOT USED)



1
E4.2

BASEMENT MECHANICAL/ELECTRICAL ROOM - POWER & SYSTEMS PLAN

SCALE: 1/4" = 1'-0"



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BASEMENT ELECTRICAL PLAN

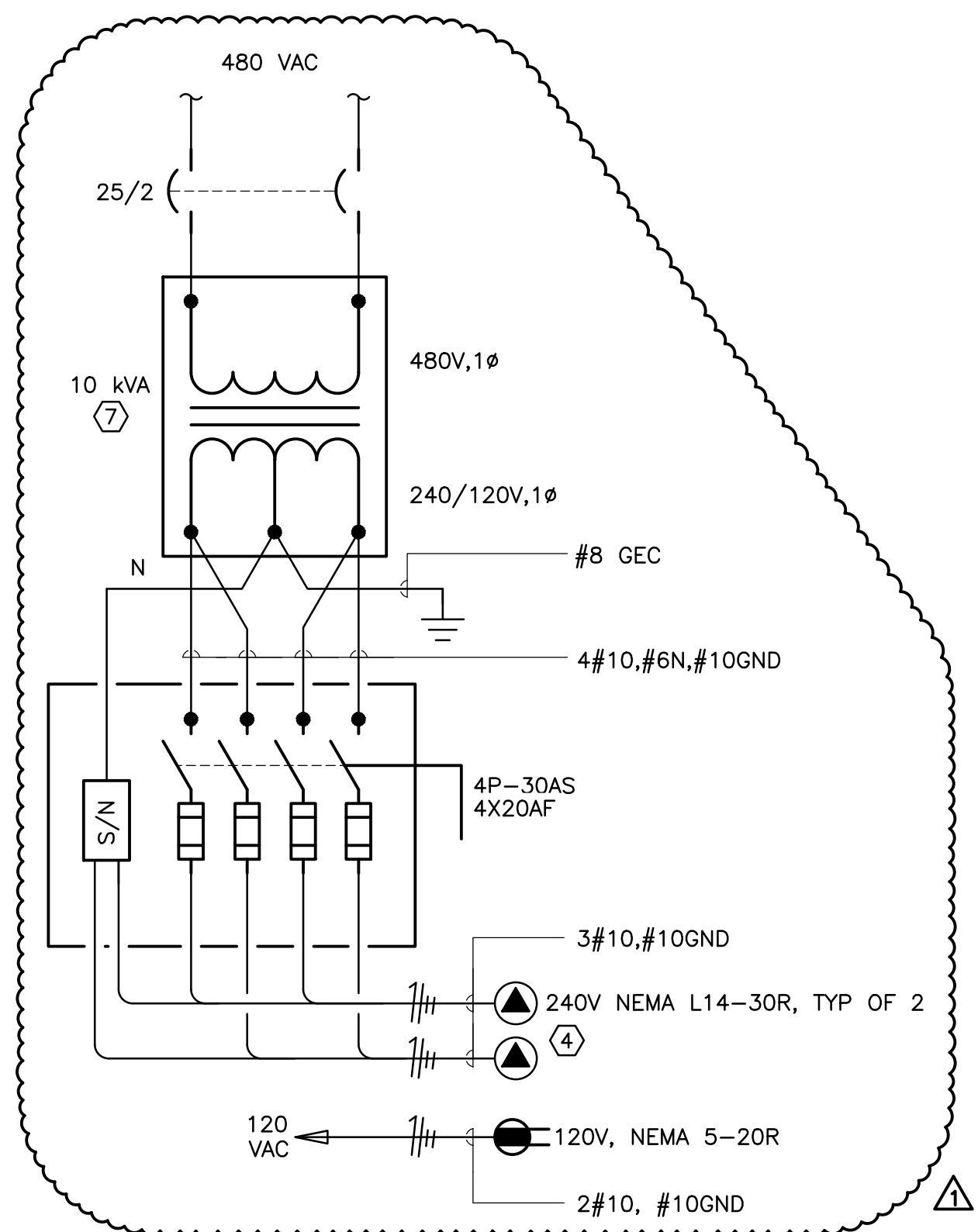
Sheet No.:
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MOUNTING HEIGHT SCHEDULE

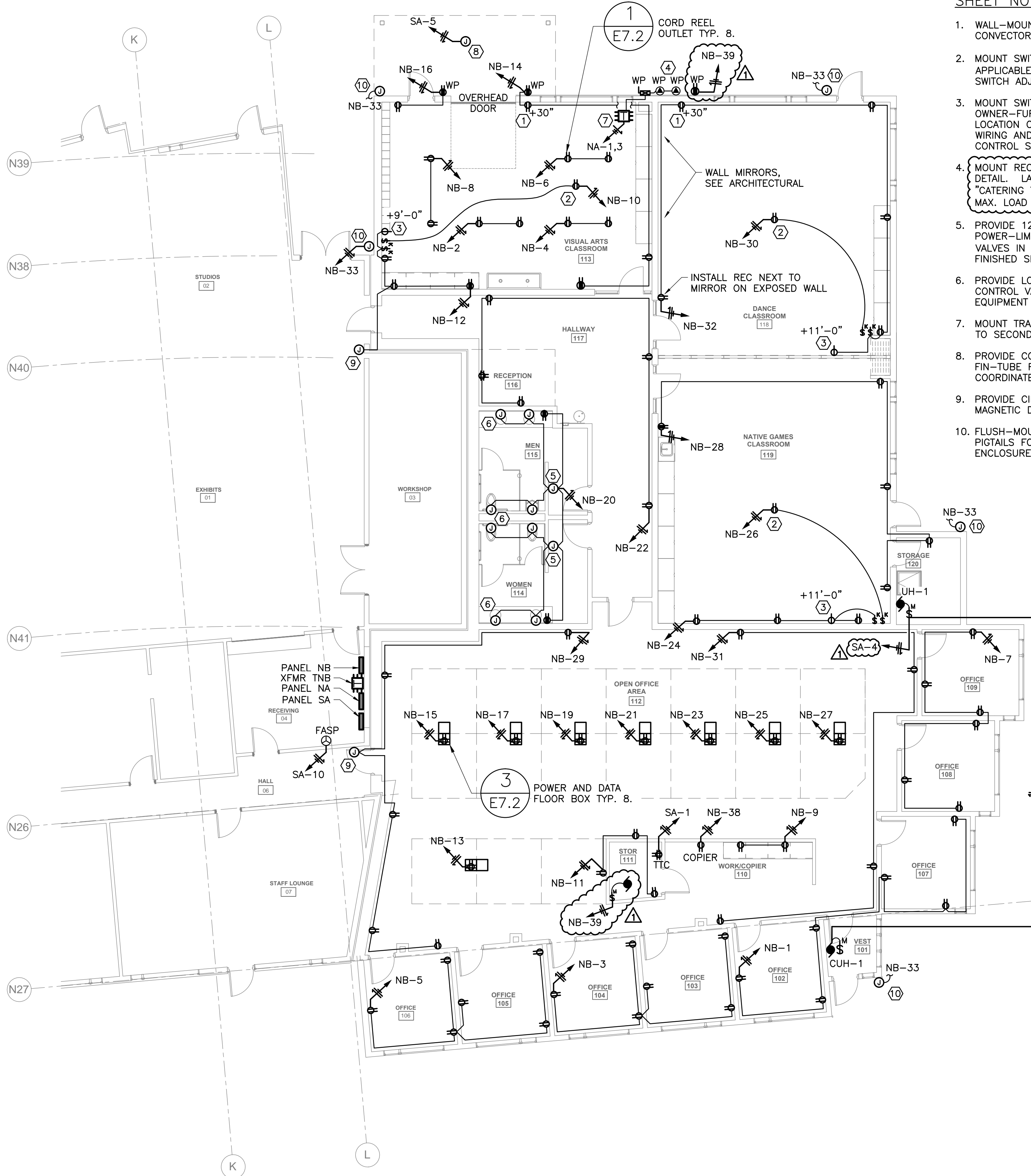
| EQUIPMENT | HEIGHT (IN) |
|--|--|
| LIGHT SWITCHES | 48 |
| CONVENIENCE OUTLETS (NOTE 4) | MATCH EXISTING (18) |
| TELECOMMUNICATION OUTLETS (NOTE 4) | MATCH EXISTING (18) |
| TELECOMMUNICATION OUTLETS FOR WALL PHONES | 48 |
| CONVENIENCE, TELECOMM, AND SPECIAL OUTLETS ABOVE COUNTERS (NOTE 3) | 6 ABOVE COUNTER (BACKSPLASH WHERE PRESENT) |
| MOTOR CONTROLLERS / DISCONNECT SWITCHES | 66 TO TOP |
| PANELBOARDS AND CONTROL PANELS | 74 TO TOP |
| CONTROL PUSH BUTTONS | 48 |
| FIRE ALARM HORNS, STROBES, BELLS | 80 TO BOTTOM |
| FIRE ALARM MANUAL PULL STATION | 48 TO HIGHEST OPERABLE PORTION |
| WALL MOUNTED EXIT SIGNS | 6 ABOVE DOOR FRAME TO BOTTOM OF FIXTURE |

- NOTES:**
- MOUNTING HEIGHTS ARE FROM ABOVE FINISHED FLOOR (INTERIOR) OR ABOVE FINISHED GRADE (EXTERIOR), UNLESS OTHERWISE NOTED
 - MOUNTING HEIGHTS ARE TO CENTER OF DEVICE, UNLESS OTHERWISE NOTED
 - OPTIONAL MOUNTING FOR OUTLETS ABOVE COUNTERS IN TIGHT SPACES: 2.5 INCH ABOVE COUNTER (BACKSPLASH) MOUNTED HORIZONTALLY.
 - FOR OUTLETS SHOWN AT SAME LOCATION AS BASEBOARD HEAT, INSTALL OUTLET 6" ABOVE TOP OF BASEBOARD ENCLOSURE



2 CATERING TRUCK OUTLET WIRING DIAGRAM

E4.3 SCALE: NTS

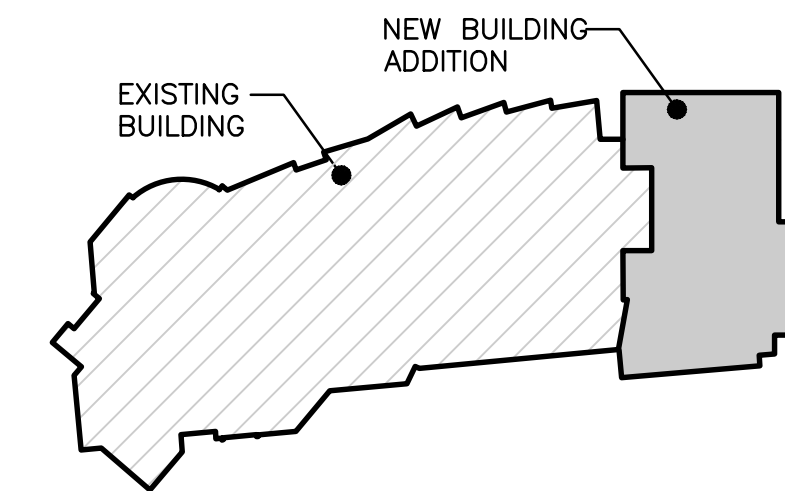


1 NEW ADDITION - POWER PLAN

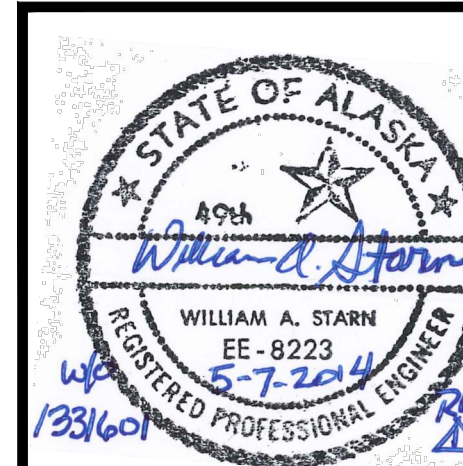
E4.3 SCALE: 1/8" = 1'-0"

SHEET NOTES: (X)

- WALL-MOUNT RECEPTACLE +6" TO CENTER ABOVE TOP OF BASEBOARD CONVECTOR.
- MOUNT SWITCHED RECEPTACLE IN CEILING SPACE (ABOVE GRID AS APPLICABLE) FOR OWNER-FURNISHED VIDEO PROJECTOR. PROVIDE SWITCH ADJACENT TO CONTROL SWITCH FOR MOTORIZED VIDEO SCREEN.
- MOUNT SWITCHED SIMPLEX RECEPTACLE AT INDICATED HEIGHT FOR OWNER-FURNISHED MOTORIZED VIDEO SCREEN. OFFSET RECEPTACLE LOCATION ON WALL TO MINIMIZE LENGTH OF CORD CONNECTION. INSTALL WIRING AND SWITCH BOX WITH BLANK COVER FOR FUTURE KEYED CONTROL SWITCH FURNISHED WITH MOTORIZED SCREEN.
- MOUNT RECEPTACLES SEMI-FLUSH AT +24" AFG. REFER TO WIRING DETAIL. LABEL FUSED SWITCH COVER:
"CATERING TRUCK RECEPTACLES;
MAX. LOAD ON 240/120V-1PH/4W RECEPTACLE: 20 AMP, 4.8 KW."
- PROVIDE 120V CONNECTION TO CLASS 2 CONTROL TRANSFORMER(S) OR POWER-LIMITED SUPPLY AS REQUIRED FOR LOW-VOLTAGE CONTROL VALVES IN PLUMBING FIXTURES. CONCEAL DEVICE(S) IN FLUSH J-BOX IN FINISHED SPACE OR ABOVE SUSPENDED CEILING IN HALLWAY.
- PROVIDE LOW-VOLTAGE CLASS 2 CIRCUIT TO ELECTRIC ACTUATED CONTROL VALVES IN PLUMBING FIXTURES IN ACCORDANCE WITH EQUIPMENT MFR'S INSTRUCTIONS. COORDINATE WITH MECHANICAL.
- MOUNT TRANSFORMER IN CEILING SPACE AND WITHIN 25' CIRCUIT DISTANCE TO SECONDARY FUSED SWITCH.
- PROVIDE CONNECTION TO CONTROL TRANSFORMER FOR MECHANICAL FIN-TUBE RADIATION ZONE VALVE CONTROL IN HEATED SOFFIT. COORDINATE WITH MECHANICAL.
- PROVIDE CIRCUIT PIGTAIL IN J-BOX FOR USE BY FIRE ALARM FOR MAGNETIC DOOR HOLDER.
- FLUSH-MOUNT J-BOX AT +9'-0" AFG WITH BLANK WP COVER AND PIGTAILS FOR CONNECTION TO FUTURE VIDEO CAMERA ENVIRONMENTAL ENCLOSURE, 120V CIRCUIT AS NOTED.



KEYPLAN



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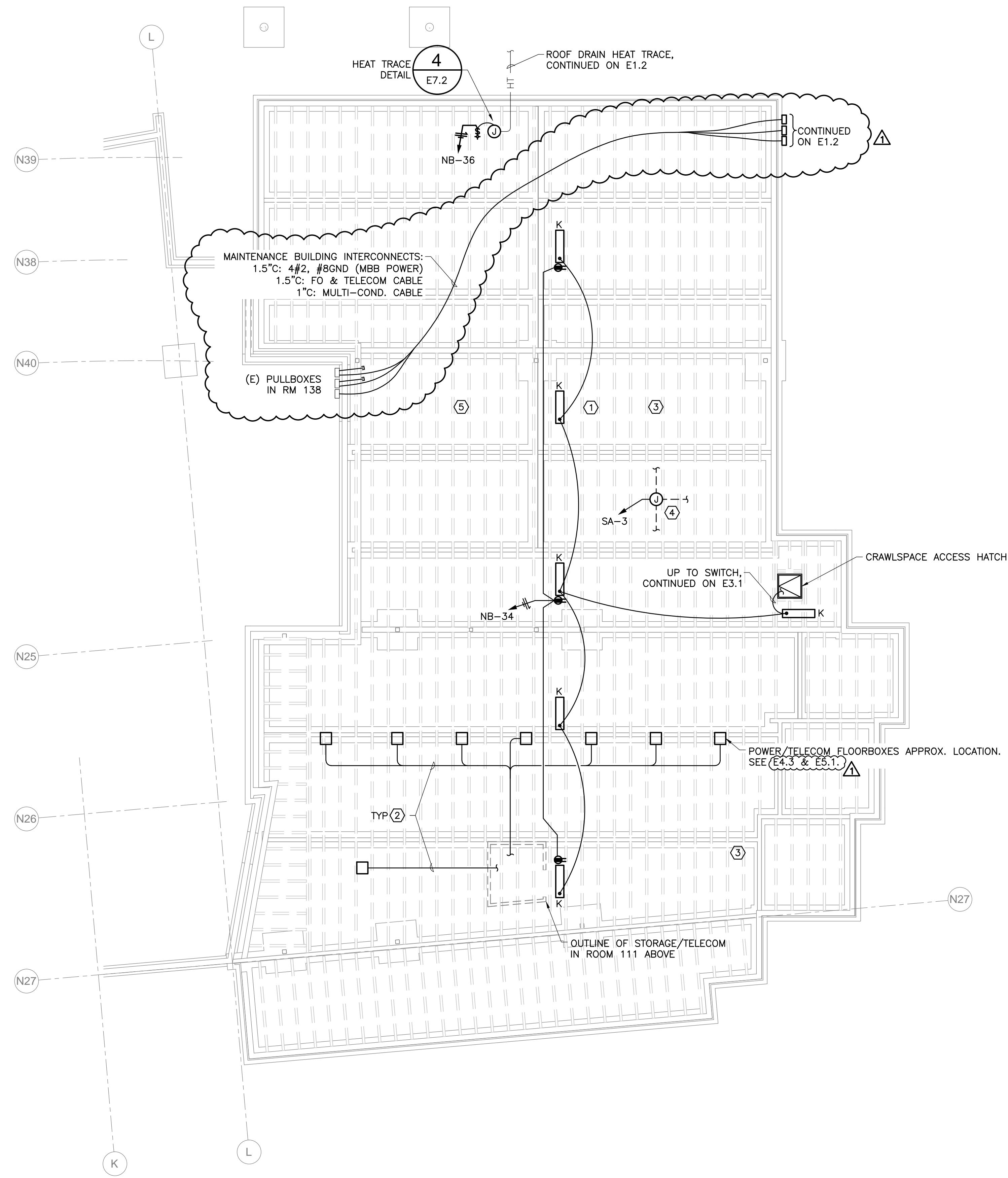
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Sheet Contents:
NEW ADDITION POWER PLAN

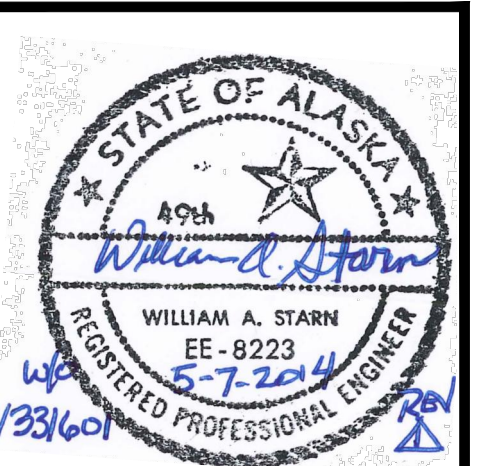
Sheet No.:
E4.3

FILE: I:\1331601\DWGS\E\SHEETS\1331601_E4.4 - POWR-CRAWLSPACE.DWG PLOTTED: May 21, 2014 - 9:09:34 AM (Josiah Alexander)



SHEET NOTES: (X)

- ADJUST FIXTURE AND RECEPTACLE LOCATIONS TO ALIGN WITH ACCESS TRENCH IN CRAWLSPACE.
- WHERE CRAWLSPACE PATHWAY IS ACCESSIBLE ROUTE DATA CIRCUITS IN CRAWLSPACE FROM FLOOR BOXES VIA CABLE WIRING METHOD; OTHERWISE ROUTE DATA CIRCUITS UNDERFLOOR IN CONDUIT.
- WHERE CRAWLSPACE PATHWAY IS ACCESSIBLE, CONTRACTOR OPTION TO ROUTE DATA CIRCUITS IN CRAWLSPACE FROM WALL OUTLETS ABOVE VIA CABLE WIRING METHOD; OTHERWISE ROUTE DATA CIRCUITS IN FIRST FLOOR CEILING SPACE.
- PROVIDE CONNECTION TO CONTROL TRANSFORMER(S) FOR MECHANICAL FIN-TUBE RADIATION ZONE VALVES. COORDINATE WITH MECHANICAL.
- FIRE DETECTION NOT REQUIRED IN FULLY SPRINKLERED CRAWLSPACE.



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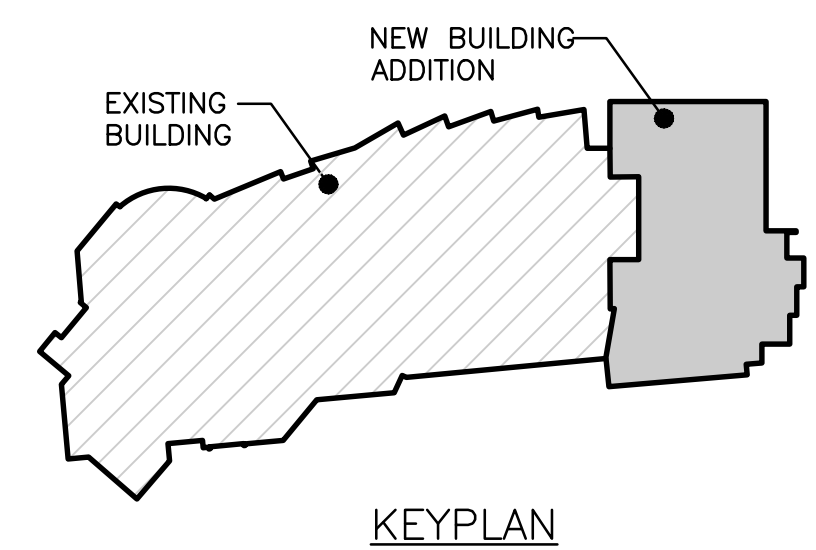
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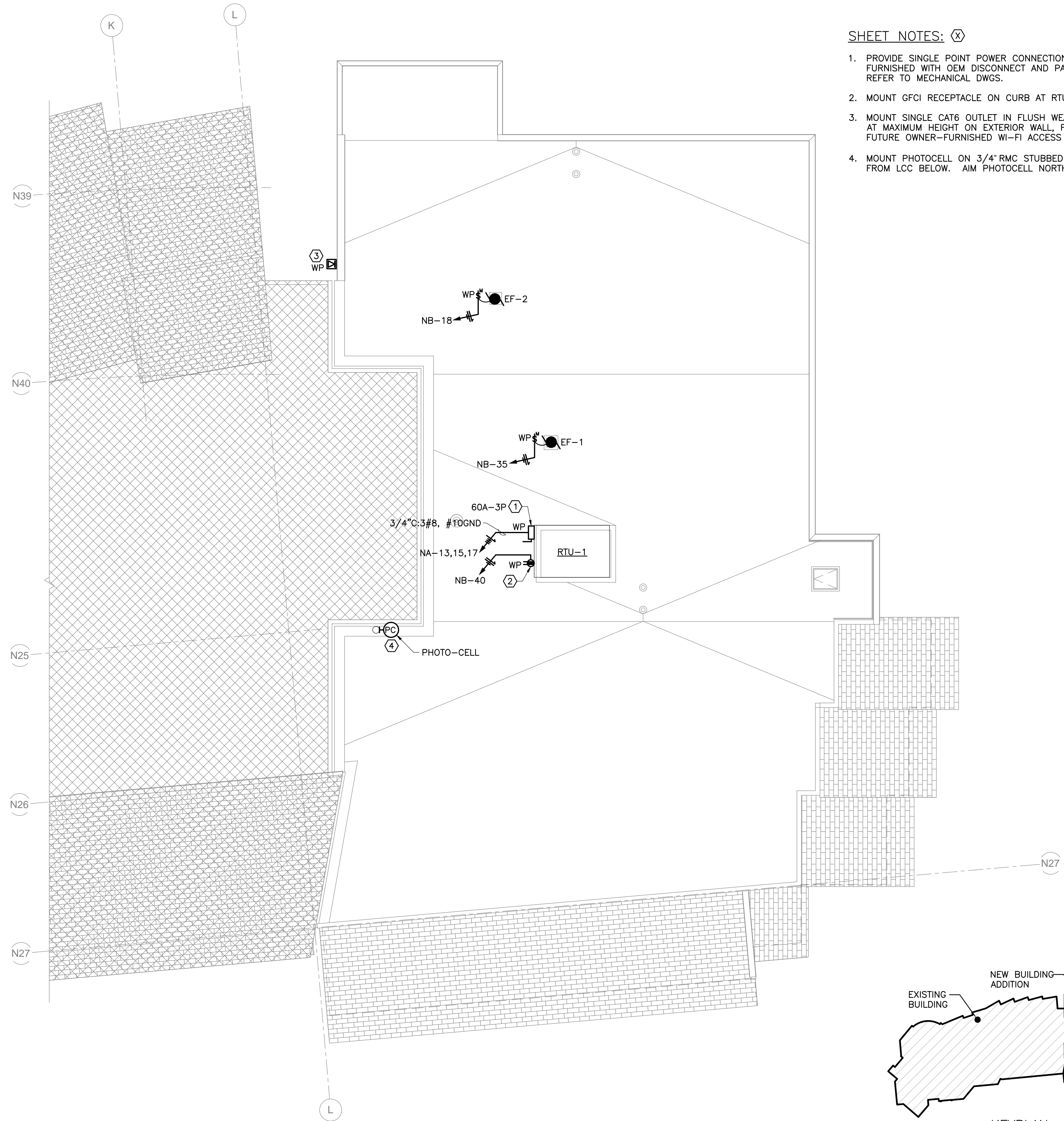
Sheet Contents:
NEW ADDITION CRAWLSPACE ELECTRICAL PLAN

Sheet No.:
E4.4



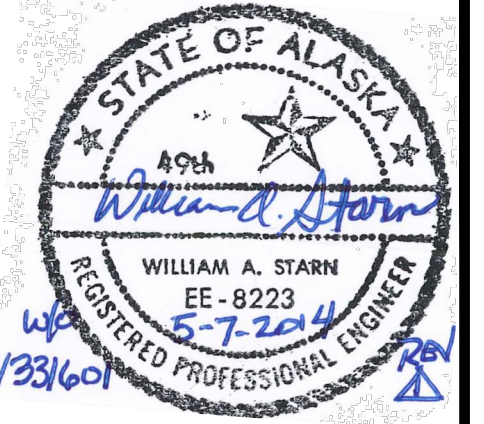
1 NEW ADDITION - CRAWLSPACE ELECTRICAL PLAN
E4.4 SCALE: 1/8" = 1'-0"

FILE: I:\1331601\DWGS\E\SHEETS\1331601_E4.5 - ROOF PLAN.DWG PLOTTED: May 21, 2014 - 9:09:40 AM (Josiah Alexander)



SHEET NOTES: (X)

1. PROVIDE SINGLE POINT POWER CONNECTION TO RTU FURNISHED WITH OEM DISCONNECT AND PACKAGE CONTROLS; REFER TO MECHANICAL DWGS.
2. MOUNT GFCI RECEPTACLE ON CURB AT RTU.
3. MOUNT SINGLE CAT6 OUTLET IN FLUSH WEATHERPROOF BOX AT MAXIMUM HEIGHT ON EXTERIOR WALL, FOR USE WITH FUTURE OWNER-FURNISHED WI-FI ACCESS POINT ANTENNA.
4. MOUNT PHOTOCELL ON 3/4" RMC STUBBED 36" ABOVE ROOF FROM LCC BELOW. AIM PHOTOCELL NORTH.



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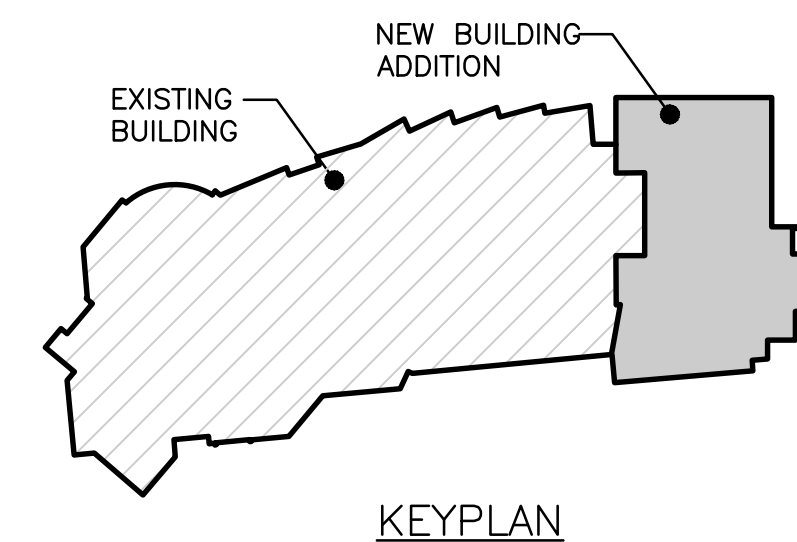
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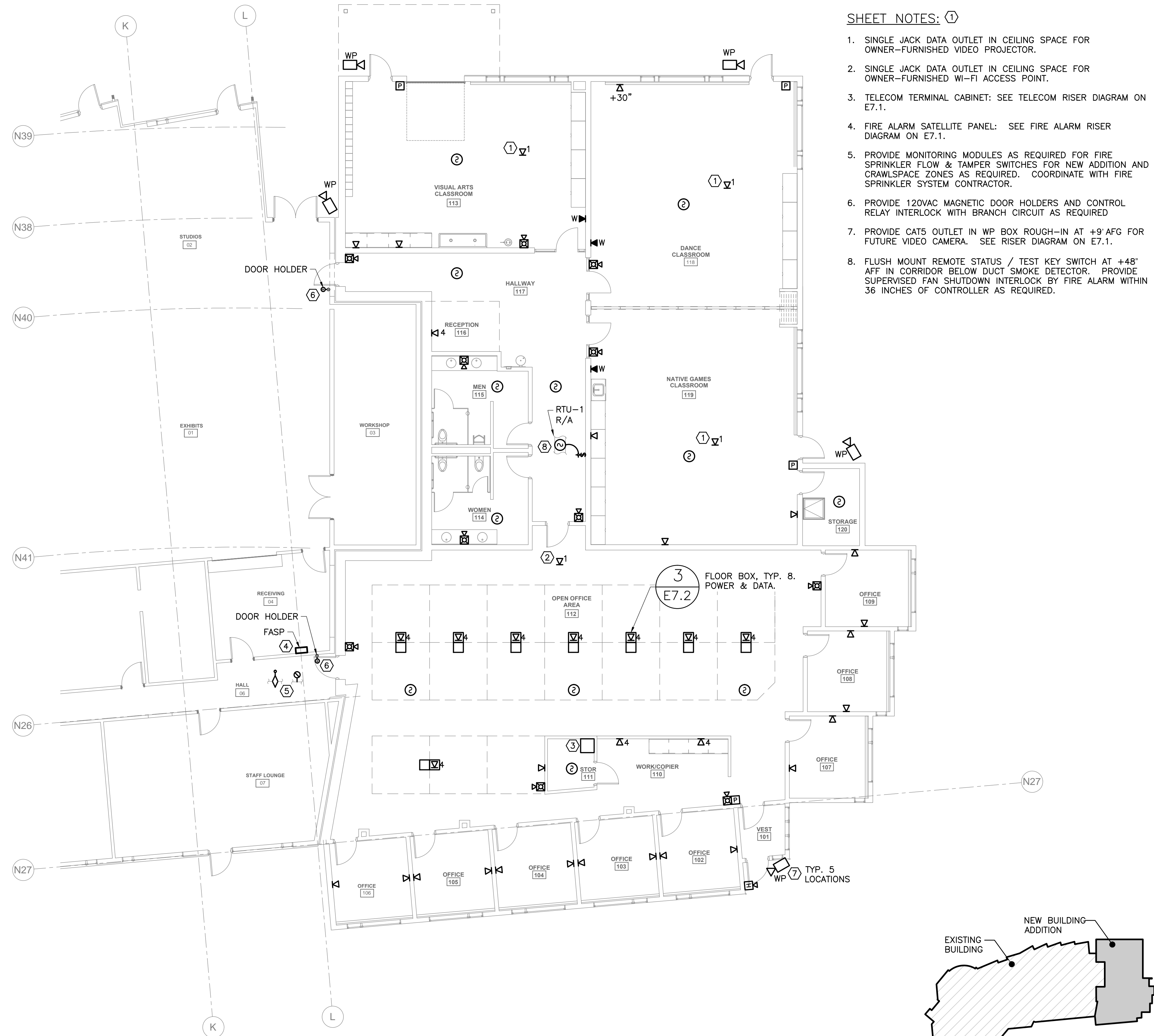
Sheet Contents:
NEW ADDITION ROOF ELECTRICAL PLAN

Sheet No.:
E4.5

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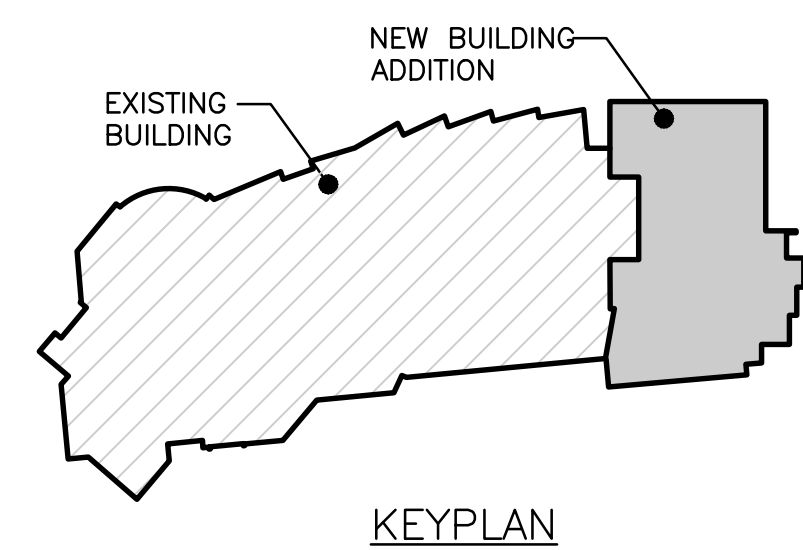
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 E4.5 **NEW ADDITION - ROOF ELECTRICAL PLAN**
 SCALE: 1/8" = 1'-0"



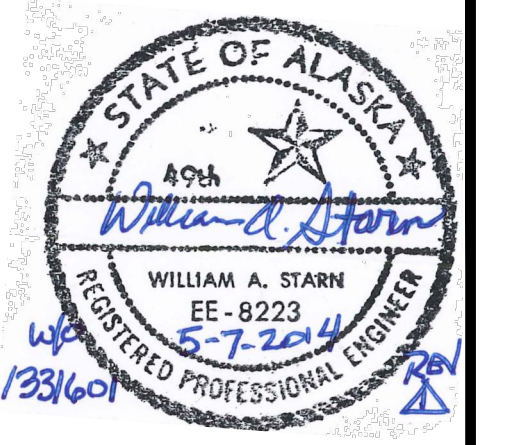


SHEET NOTES: ①

1. SINGLE JACK DATA OUTLET IN CEILING SPACE FOR OWNER-FURNISHED VIDEO PROJECTOR.
2. SINGLE JACK DATA OUTLET IN CEILING SPACE FOR OWNER-FURNISHED WI-FI ACCESS POINT.
3. TELECOM TERMINAL CABINET: SEE TELECOM RISER DIAGRAM ON E7.1.
4. FIRE ALARM SATELLITE PANEL: SEE FIRE ALARM RISER DIAGRAM ON E7.1.
5. PROVIDE MONITORING MODULES AS REQUIRED FOR FIRE SPRINKLER FLOW & TAMPER SWITCHES FOR NEW ADDITION AND CRAWLSPACE ZONES AS REQUIRED. COORDINATE WITH FIRE SPRINKLER SYSTEM CONTRACTOR.
6. PROVIDE 120VAC MAGNETIC DOOR HOLDERS AND CONTROL RELAY INTERLOCK WITH BRANCH CIRCUIT AS REQUIRED
7. PROVIDE CAT5 OUTLET IN WP BOX ROUGH-IN AT +9' AFG FOR FUTURE VIDEO CAMERA. SEE RISER DIAGRAM ON E7.1.
8. FLUSH MOUNT REMOTE STATUS / TEST KEY SWITCH AT +48" AFF IN CORRIDOR BELOW DUCT SMOKE DETECTOR. PROVIDE SUPERVISED FAN SHUTDOWN INTERLOCK BY FIRE ALARM WITHIN 36 INCHES OF CONTROLLER AS REQUIRED.



1
E5.1
NEW ADDITION - SYSTEMS PLAN
SCALE: 1/8" = 1'-0"



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Sheet Contents:
NEW ADDITION SYSTEMS PLAN

Sheet No.:
E5.1
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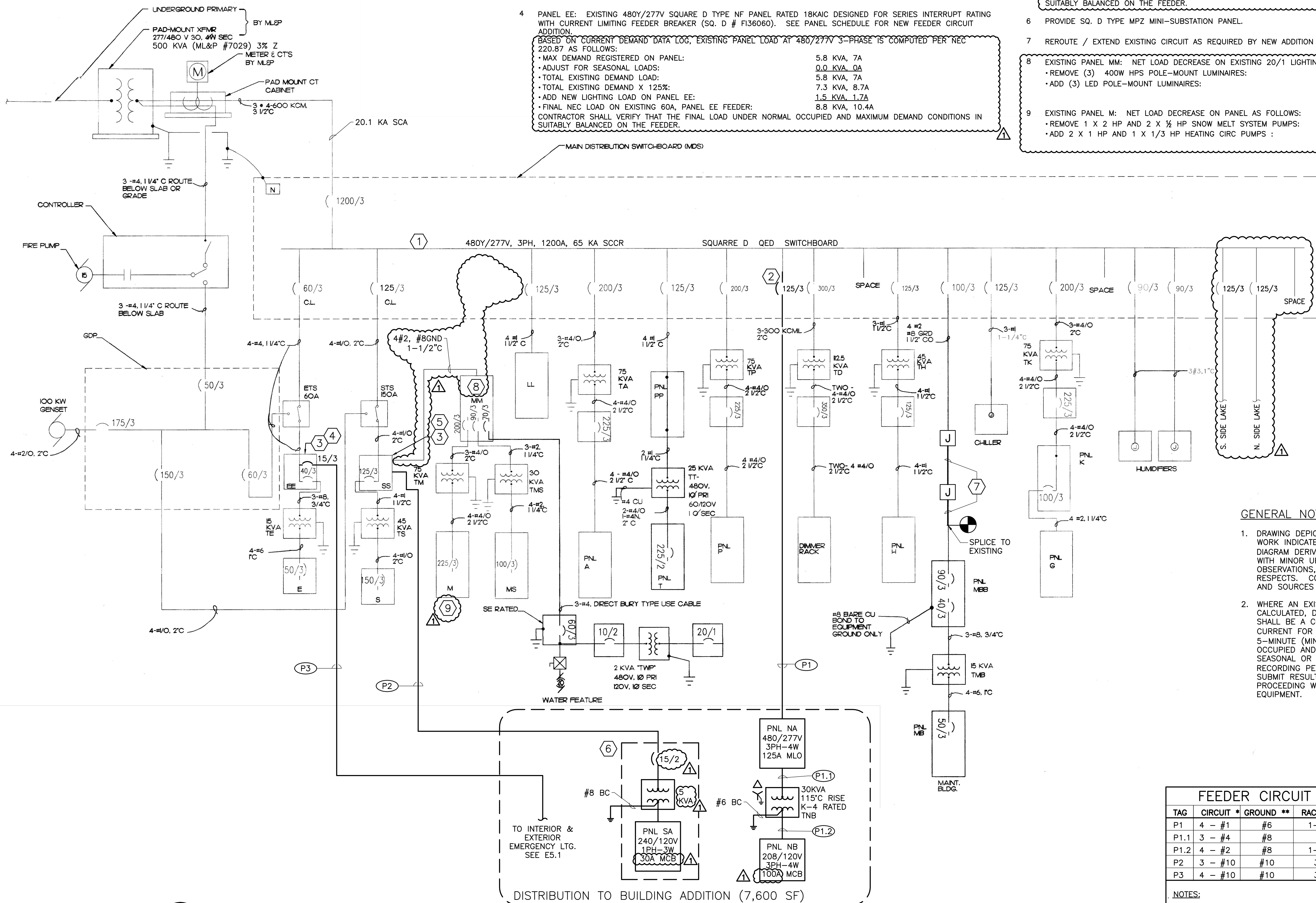
SHEET NOTES: (X)

- MAXIMUM SERVICE DEMAND REGISTERED BY UTILITY (ML&P) METER OVER THE PERIOD FROM 12/12 - 3/14 IS 177.6 KW (DEC. 2012), ESTIMATED AT 200 KVA, 240A AT 480Y/277V 3-PHASE. AVAILABLE SPARE CAPACITY ON EXISTING SERVICE COMPUTED AS FOLLOWS:
 • SERVICE CAPACITY (BASED ON SERVICE XFMR): 500 KVA 602 A
 • EXISTING DEMAND X 125%: 1.25 X 200 KVA=> 250 KVA 301 A
 • AVAILABLE SERVICE & MDP SPARE CAPACITY: 250 KVA 301 A
- PROVIDE NEW CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING SWITCHBOARD
- RECORD 30-DAY DATA LOG FOR 480/277V FEEDERS TO PANEL EE AND PANEL SS.

- PANEL EE: EXISTING 480Y/277V SQUARE D TYPE NF PANEL RATED 18KAIC DESIGNED FOR SERIES INTERRUPT RATING WITH CURRENT LIMITING FEEDER BREAKER (SQ. D # F136060). SEE PANEL SCHEDULE FOR NEW FEEDER CIRCUIT ADDITION.
 BASED ON CURRENT DEMAND DATA LOG, EXISTING PANEL LOAD AT 480/277V 3-PHASE IS COMPUTED PER NEC 220.87 AS FOLLOWS:
 • MAX DEMAND REGISTERED ON PANEL: 5.8 KVA, 7A
 • ADJUST FOR SEASONAL LOADS: 0.0 KVA, 0A
 • TOTAL EXISTING DEMAND LOAD: 5.8 KVA, 7A
 • TOTAL EXISTING DEMAND X 125%: 7.3 KVA, 8.7A
 • ADD NEW LIGHTING LOAD ON PANEL EE: 1.5 KVA, 1.7A
 • FINAL NEC LOAD ON EXISTING 60A, PANEL EE FEEDER: 8.8 KVA, 10.4A
 CONTRACTOR SHALL VERIFY THAT THE FINAL LOAD UNDER NORMAL OCCUPIED AND MAXIMUM DEMAND CONDITIONS IN SUITABLY BALANCED ON THE FEEDER.

- PANEL SS: EXISTING 480Y/277V SQUARE D TYPE NF PANEL RATED 18KAIC DESIGNED FOR SERIES INTERRUPT RATING WITH CURRENT LIMITING FEEDER BREAKER (SQ. D # IK36125). SEE PANEL SCHEDULE FOR NEW FEEDER CIRCUIT ADDITION. BASED ON CURRENT DEMAND DATA LOG, EXISTING PANEL LOAD AT 480/277V 3-PHASE IS COMPUTED PER NEC 220.87 AS FOLLOWS:
 • MAX DEMAND REGISTERED ON PANEL: 71.5 KVA, 86A
 • ADJUST FOR SEASONAL LOADS (PANELS S, SS, M, MM, MS): + 7.9 KVA, 10A
 • TOTAL EXISTING DEMAND LOAD: 79.4 KVA, 95.5A
 • TOTAL EXISTING DEMAND X 125%: 99.3 KVA, 119A
 • NET LOAD CHANGE ON PANELS M AND MM: - 0.9 KVA, 1.1A
 • ADD NEW PANEL SA LOAD: + 1.3 KVA, 1.6A
 • FINAL NEC LOAD ON EXISTING 125A, PANEL SS FEEDER: 99.7 KVA, 120A
 CONTRACTOR SHALL VERIFY THAT THE FINAL LOAD UNDER NORMAL OCCUPIED AND MAXIMUM DEMAND CONDITIONS IN SUITABLY BALANCED ON THE FEEDER.

- PROVIDE SQ. D TYPE MPZ MINI-SUBSTATION PANEL.
- REROUTE / EXTEND EXISTING CIRCUIT AS REQUIRED BY NEW ADDITION FOUNDATION WORK. SEE SITE PLAN.
- EXISTING PANEL MM: NET LOAD DECREASE ON EXISTING 20/1 LIGHTING BRANCH CIRCUIT AS FOLLOWS:
 • REMOVE (3) 400W HPS POLE-MOUNT LUMINAIRES: - 1410 VA
 • ADD (3) LED POLE-MOUNT LUMINAIRES: + 1008 VA
 - 402 VA
- EXISTING PANEL M: NET LOAD DECREASE ON PANEL AS FOLLOWS:
 • REMOVE 1 X 2 HP AND 2 X 1/2 HP SNOW MELT SYSTEM PUMPS: - 4954 VA
 • ADD 2 X 1 HP AND 1 X 1/3 HP HEATING CIRC PUMPS: + 4490 VA
 - 464 VA

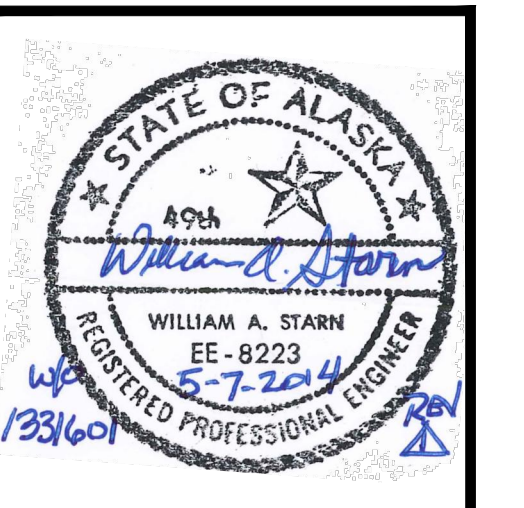


- GENERAL NOTES:**
- DRAWING DEPICTS EXISTING INSTALLATION, WITH NEW WORK INDICATED BY BOLD LINE TYPE AND AS NOTED. DIAGRAM DERIVED FROM 9/1/98 RECORD DRAWINGS WITH MINOR UPDATES BASED ON BRIEF FIELD OBSERVATIONS, AND MAY NOT BE ACCURATE IN ALL RESPECTS. CONTRACTOR SHALL FIELD VERIFY CIRCUITS AND SOURCES THAT PERTAIN TO THE SCOPE OF WORK.
 - WHERE AN EXISTING PANEL LOAD IS NOT OTHERWISE CALCULATED, DATA LOGS SPECIFIED ON THIS DRAWING SHALL BE A CONTINUOUS RECORDING OF 3-PHASE CURRENT FOR A 30-DAY (MINIMUM) PERIOD AT A 5-MINUTE (MINIMUM) SAMPLING INTERVAL, WITH FACILITY OCCUPIED AND IN NORMAL USE. IDENTIFY ANY SEASONAL OR PERIODIC LOADS NOT ACTIVE DURING RECORDING PERIOD (REF. NEC 220.87 EXC.), AND SUBMIT RESULTS TO ENGINEER FOR REVIEW BEFORE PROCEEDING WITH NEW CIRCUIT ADDITIONS TO EXISTING EQUIPMENT.

| FEEDER CIRCUIT SCHEDULE | | | | |
|-------------------------|-----------|-----------|-----------|-----------------------|
| TAG | CIRCUIT * | GROUND ** | RACEWAY * | REMARKS |
| P1 | 4 - #1 | #6 | 1-1/2" | NORMAL FEED TO NA |
| P1.1 | 3 - #4 | #8 | 1" | TNB FEED |
| P1.2 | 4 - #2 | #8 | 1-1/4" | PNL NB FEED |
| P2 | 3 - #10 | #10 | 3/4" | STANDBY FEED TO SA |
| P3 | 4 - #10 | #10 | 3/4" | EM LTG MULTI-WIRE CKT |

NOTES:
 * SIZE BASED ON RMC & XHHW UON; ADJUST FOR OTHER TYPES.
 ** INSULATED EGC UON.

1 POWER ONE-LINE DIAGRAM
 E6.1 SCALE: NTS



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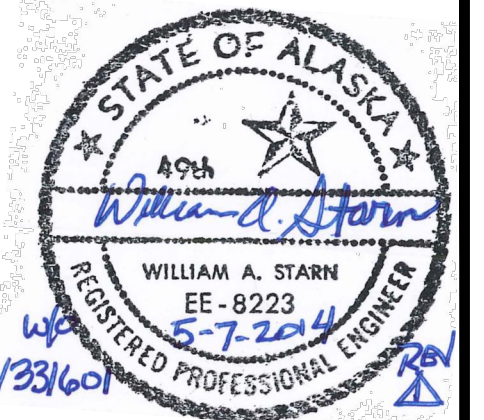
Sheet Contents:
ELECTRICAL POWER ONE-LINE DIAGRAM

Sheet No.:
E6.1

| PANEL SA | | | | | | | | | | |
|--|--------------------------------|---------|-----|----------|-----|--------|------|------------------------------|-------|----|
| CKT | LOAD | BRANCH | | CONN KVA | | BRANCH | | LOAD | CKT | |
| | | BKR | VA | A | B | VA | BKR | | | |
| 1 | REC - TTC IN STORAGE RM 111 | 20/1 | 360 | 0.4 | | | | 20/1 | SPARE | 2 |
| 3 | ZONE HTG CNTLS - CRAWLSPACE | 20/1 | 150 | | 0.4 | 280 | 20/1 | UH-1 IN RM120 CUH-1 IN RM101 | | 4 |
| 5 | ZONE HTG CNTLS - RM 113 SOFFIT | 15/1 | 50 | 0.1 | | | 20/1 | SPARE | | 6 |
| 7 | SPARE | 20/1 | | | 0.0 | | 20/1 | SPARE | | 8 |
| 9 | SPARE | 20/1 | | | 0.3 | 300 | 20/1 | FASP IN RECEIVING RM | | 10 |
| CONNECTED LOAD | | 1.1 KVA | | 0.7 0.4 | | | | | | |
| | | 5 AMPS | | 6 4 | | | | | | |
| NEC DEMAND | | 1.3 KVA | | | | | | | | |
| | | 6 AMPS | | | | | | | | |
| PANEL NOTES | | | | | | | | | | |
| PANEL SPECIFICATIONS MAINS RATING AMPS - 100 MAIN CIRCUIT BREAKER AMPS - 30 CAPACITY ONE-POLE CIRCUITS - 10 SYSTEM VOLTAGE - 240/120 PHASE, NO. OF WIRES - 1 PH, 3 W AIC RATING - 10,000 MOUNTING - SURFACE | | | | | | | | | | |

| PANEL NA | | | | | | | | | | | |
|---|-------------------------------|----------|------|---------------|------|------|--------|------|--------------------------------|-----|--|
| CKT | LOAD | BRANCH | | CONNECTED KVA | | | BRANCH | | LOAD | CKT | |
| | | BKR | VA | A | B | C | VA | BKR | | | |
| 1 | CATERING TRUCK OUTLET XFMR | 25/2 | 5000 | 6.6 | | | 1602 | 20/1 | LIGHTING - ROOMS 113-117 | 2 | |
| 3 | CLASSRM ADDN, EXT. NORTH WALL | | 5000 | | 6.8 | | 1804 | 20/1 | LIGHTING - ROOMS 118, 119, 120 | 4 | |
| 5 | SPACE | | | | | 2.6 | 2555 | 20/1 | LTS - ROOMS 102-109, 111, 112 | 6 | |
| 7 | SPACE | | | | 0.0 | | | | SPACE | 8 | |
| 9 | SPACE | | | | | 0.0 | | | SPACE | 10 | |
| 11 | SPACE | | | | | 0.0 | | | SPACE | 12 | |
| 13 | | | 8092 | 15.9 | | | 7770 | | XFMR TNB, SUBFEED TO | 14 | |
| 15 | RTU - CLASSROOM ADDITION (*1) | 40/3 | 8092 | | 14.5 | | 6440 | 90/3 | PANEL NB | 16 | |
| 17 | | | 8092 | | | 16.4 | 8290 | | | 18 | |
| CONNECTED LOAD | | 85.2 KVA | | 30.2 | 27.8 | 27.2 | | | | | |
| | | 103 AMPS | | 109 | 100 | 98 | | | | | |
| NEC DEMAND | | 69.1 KVA | | | | | | | | | |
| | | 83 AMPS | | | | | | | | | |
| PANEL NOTES | | | | | | | | | | | |
| (*1)COORD WITH MECH AND ADJUST BREAKER / FEEDER SIZE AS REQUIRED BY EQUIPMENT. | | | | | | | | | | | |
| PANEL SPECIFICATIONS MAINS RATING AMPS - 125A MAIN CIRCUIT BREAKER AMPS - MLO CAPACITY ONE-POLE CIRCUITS - 18 SYSTEM VOLTAGE - 480Y/277 PHASE, NO. OF WIRES - 3 PH, 4 W AIC RATING - 22,000 MOUNTING - SURFACE LOCATION - RECEIVING 139 | | | | | | | | | | | |

| PANEL NB | | | | | | | | | | | |
|--|-------------------------------|----------|------|---------------|-----|-----|--------|-------|-------------------------------|-----|--|
| CKT | LOAD | BRANCH | | CONNECTED KVA | | | BRANCH | | LOAD | CKT | |
| | | BKR | VA | A | B | C | VA | BKR | | | |
| 1 | REC - OFFICES 102, 107 | 20/1 | 1080 | 1.4 | | | 360 | 20/1 | REC - CLASS113 CEILING | 2 | |
| 3 | REC - OFFICES 103, 104 | 20/1 | 1080 | | 1.4 | | 360 | 20/1 | REC - CLASS113 CEILING | 4 | |
| 5 | REC - OFFICES 105, 106 | 20/1 | 1080 | | | 1.4 | 360 | 20/1 | REC - CLASS113 CEILING | 6 | |
| 7 | REC - OFFICES 108, 109 | 20/1 | 1080 | 1.4 | | | 360 | 20/1 | REC - CLASS113 CEILING | 8 | |
| 9 | REC - RM110 COUNTERS | 20/1 | 360 | | 0.5 | | 180 | 20/1 | REC - CLASS113 PROJECTOR | 10 | |
| 11 | REC - RM111 & NEARBY IN RM112 | 20/1 | 540 | | | 1.3 | 730 | 20/1 | REC - RM113 & RM117 DRHOLD | 12 | |
| 13 | REC - RM112 CUBICLE FLR BOX 1 | 20/1 | 360 | 1.1 | | | 720 | 20/1 | REC - RM113 & RECEIVING SOUTH | 14 | |
| 15 | REC - RM112 CUBICLE FLR BOX 2 | 20/1 | 360 | | 0.7 | | 360 | 20/1 | REC - RM113 7 RECEIVING NORTH | 16 | |
| 17 | REC - RM112 CUBICLE FLR BOX 3 | 20/1 | 360 | | | 1.1 | 696 | 20/1 | EXH FAN , 1/4HP - CLASS113 | 18 | |
| 19 | REC - RM112 CUBICLE FLR BOX 4 | 20/1 | 360 | 0.8 | | | 460 | 20/1 | REC & BATH EQUIP - RM114, 115 | 20 | |
| 21 | REC - RM112 CUBICLE FLR BOX 5 | 20/1 | 360 | | 1.3 | | 900 | 20/1 | REC - HALL117 & RECEP116 | 22 | |
| 23 | REC - RM112 CUBICLE FLR BOX 6 | 20/1 | 360 | | | 1.0 | 630 | 20/1 | REC - CLASS119 SOUTH WALL | 24 | |
| 25 | REC - RM112 CUBICLE FLR BOX 7 | 20/1 | 360 | 0.5 | | | 180 | 20/1 | REC - RM119 PROJECTOR | 26 | |
| 27 | REC - RM112 CUBICLE FLR BOX 8 | 20/1 | 360 | | 1.3 | | 900 | 20/1 | REC - CLASS119 & STOR120 | 28 | |
| 29 | REC - RM112 W WALL, DOOR-HOLD | 20/1 | 950 | | | 1.1 | 180 | 20/1 | REC - RM118 PROJECTOR | 30 | |
| 31 | REC - RM112 EAST WALL | 20/1 | 720 | 1.7 | | | 990 | 20/1G | REC - CLASS118 | 32 | |
| 33 | EXTERIOR SECURITY CAMERAS | 20/1 | 500 | | 1.0 | | 540 | 20/1G | REC - CRAWLSPACE (*1) | 34 | |
| 35 | TOILET EXH FAN, 1/4HP | 20/1 | 696 | | | 1.5 | 800 | 20/1G | ROOF DRAIN HEAT TRACE (*2) | 36 | |
| 37 | LIGHTING - CRAWLSPACE | 20/1 | 240 | 0.7 | | | 500 | 20/1 | REC - RM 110 COPIER | 38 | |
| 39 | STOR 111 EXH. FAN | 15/1 | 90 | | 0.3 | | 180 | 20/1 | ROOF REC AT RTU-1 | 40 | |
| 41 | SPARE | 20/1 | | | | 0.0 | | 20/1 | SPARE | 42 | |
| 43 | SPARE | 20/1 | | 0.0 | | | | 20/1 | SPARE | 44 | |
| 45 | SPARE | 20/1 | | | 0.0 | | | 20/1 | SPARE | 46 | |
| 47 | SPARE | 20/1 | | | | 0.0 | | 20/1 | SPARE | 48 | |
| 49 | SPARE | 20/1 | | 0.0 | | | | 20/1 | SPARE | 50 | |
| 51 | SPARE | 20/1 | | | 0.0 | | | 20/1 | SPARE | 52 | |
| 53 | SPARE | 20/1 | | | | 0.0 | | 20/1 | SPARE | 54 | |
| CONNECTED LOAD | | 21.7 KVA | | 7.8 | 6.5 | 7.4 | | | | | |
| | | 60 AMPS | | 65 | 54 | 62 | | | | | |
| NEC DEMAND | | 26.5 KVA | | | | | | | | | |
| | | 73 AMPS | | | | | | | | | |
| PANEL NOTES | | | | | | | | | | | |
| (*1)PROVIDE GFCI (5MA TRIP) CIRCUIT BREAKER. (*2)PROVIDE GFEP (30MA TRIP) CIRCUIT BREAKER. | | | | | | | | | | | |
| PANEL SPECIFICATIONS MAINS RATING AMPS - 225A MAIN CIRCUIT BREAKER AMPS - 100A CAPACITY ONE-POLE CIRCUITS - 54 SYSTEM VOLTAGE - 208Y/120 PHASE, NO. OF WIRES - 3 PH, 4 W AIC RATING - 10,000 MOUNTING - SURFACE LOCATION - RECEIVING 139 | | | | | | | | | | | |



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|----------|--------|
| By | WAS |
| Revision | |
| Date | 5/7/14 |

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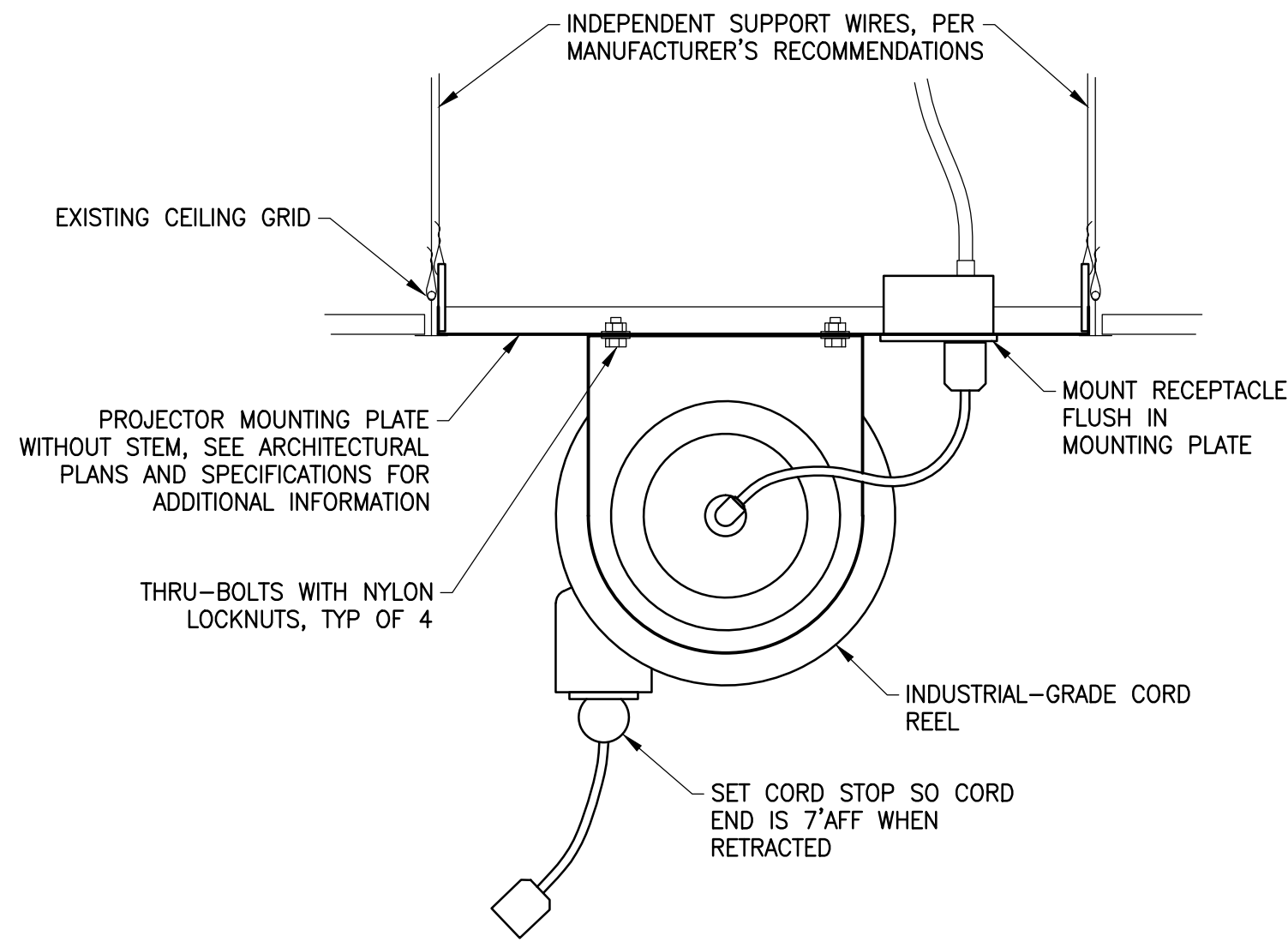
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MABEL PIKE EDUCATIONAL CENTER EXPANSION
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| Drawn | DGB JCA |
| Checked | WAS |
| Date | 04/25/2014 |

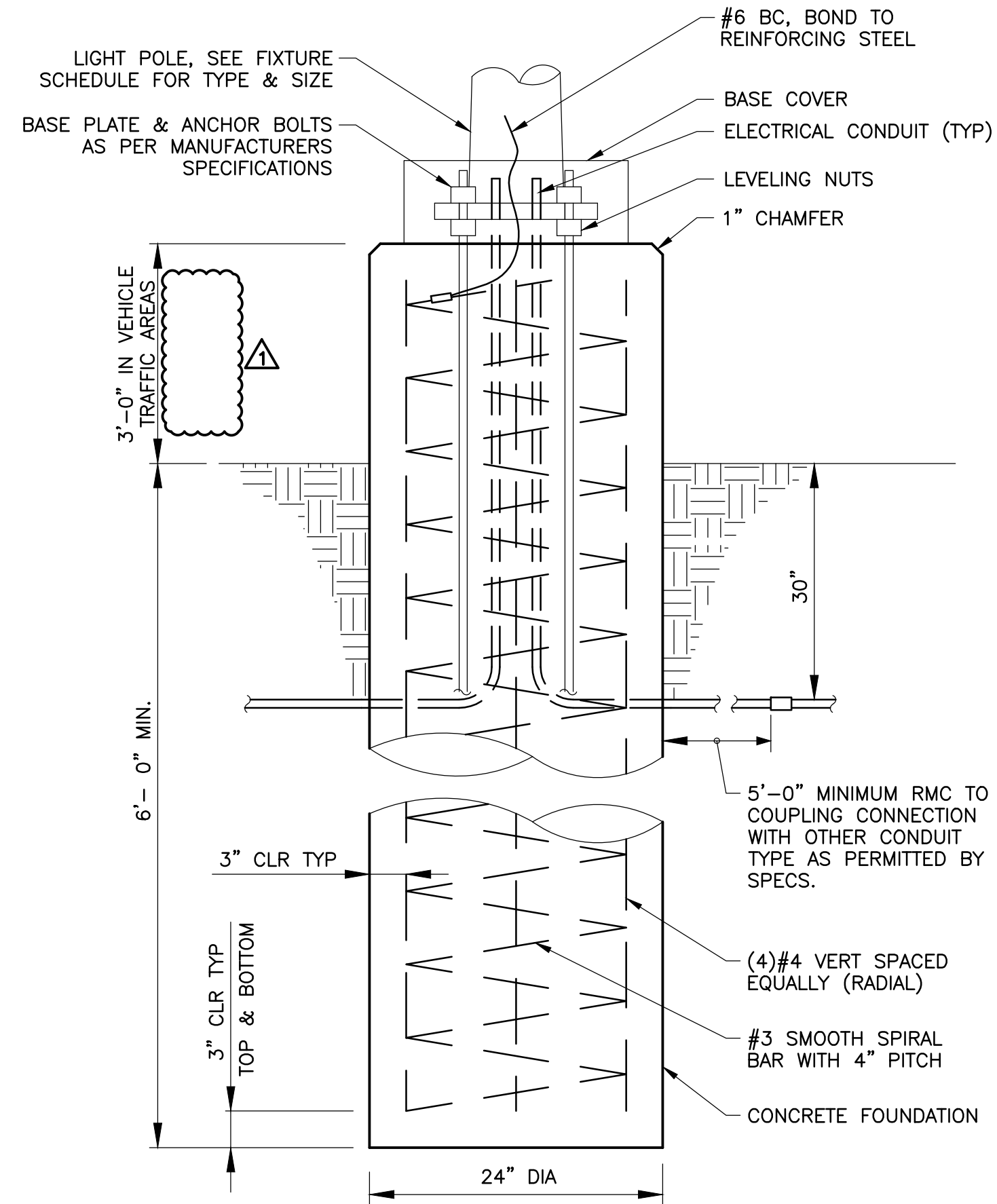
Sheet Contents:
NEW PANEL SCHEDULES

Sheet No.:
E6.3
 USKH W.O. 1331601

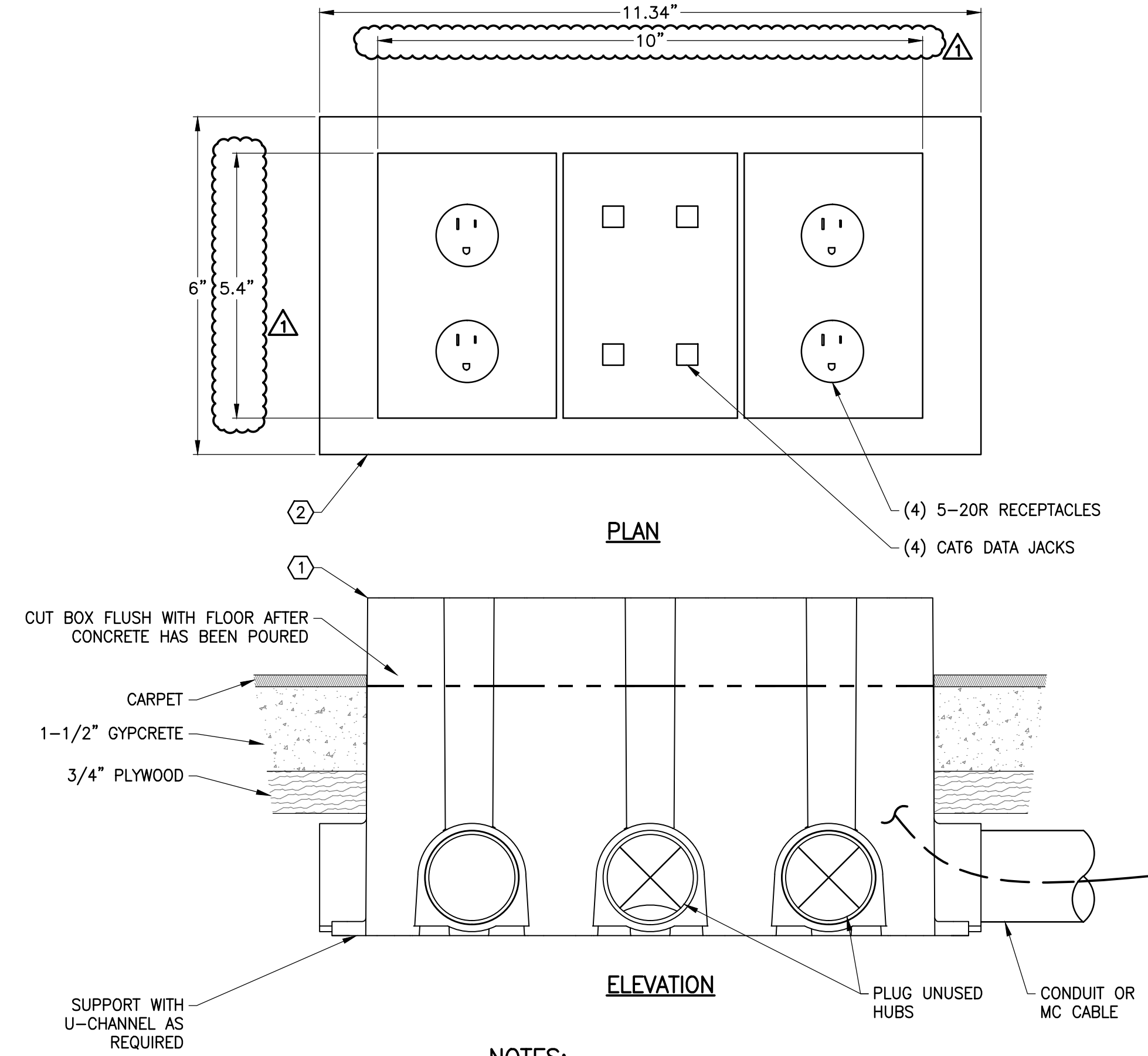
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1 CORD REEL DETAIL
E7.2 SCALE: NTS

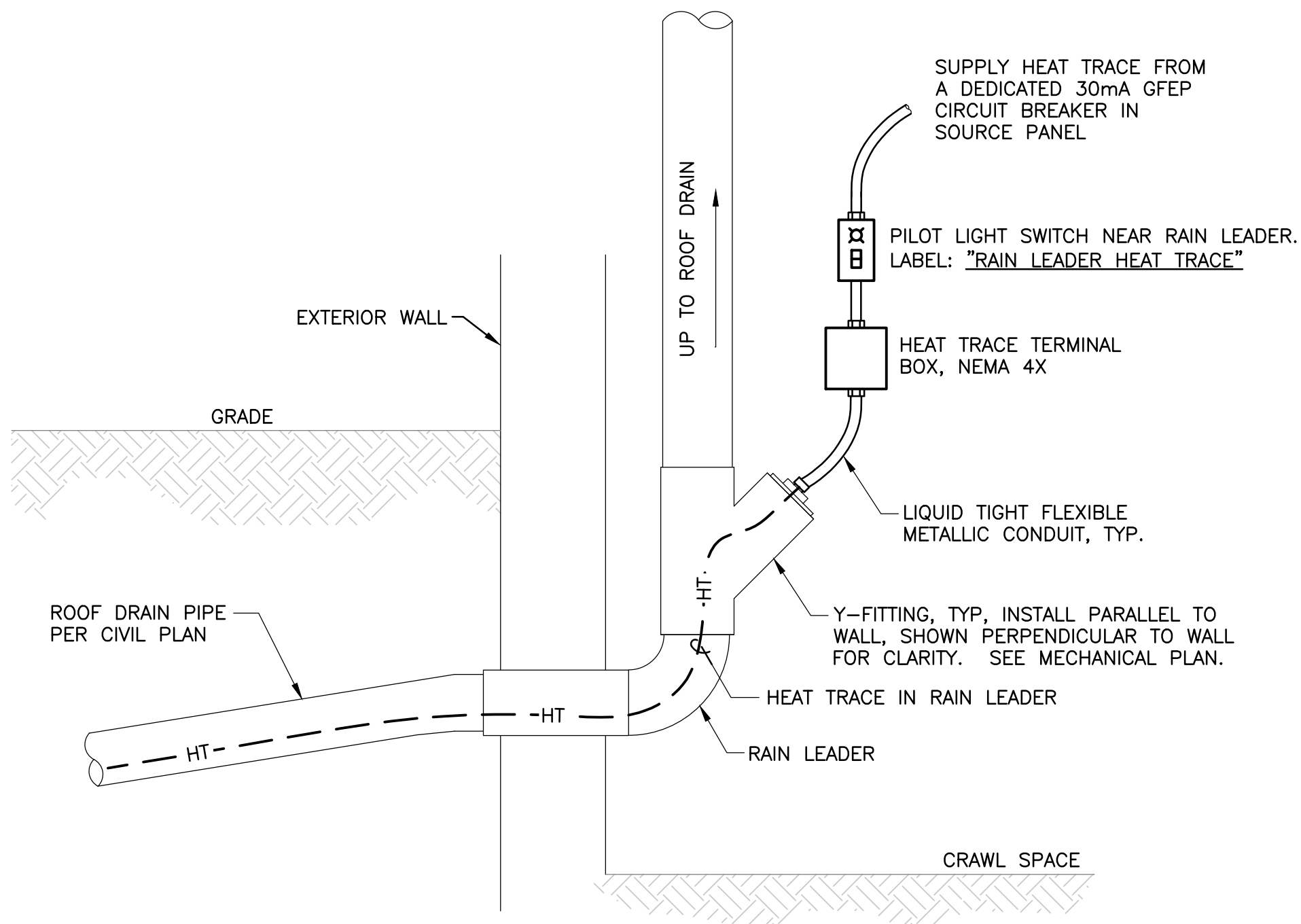


2 LIGHT POLE BASE DETAIL
E7.2 SCALE: NTS

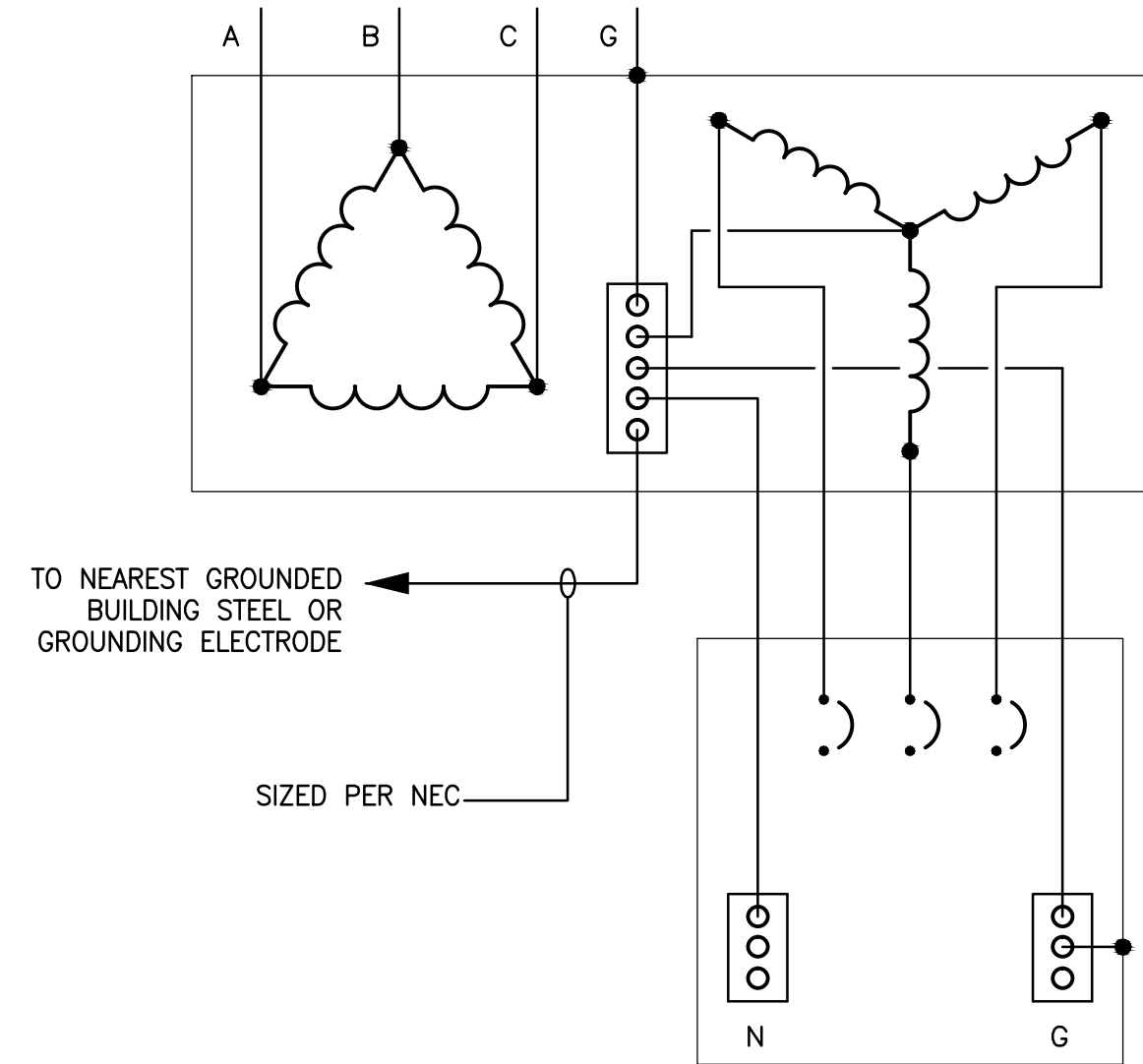


- NOTES:**
- ① FLUSH RECTANGULAR NON-METALLIC CONCRETE FLOOR BOX WITH METAL COVER, 3-GANG, 6" D, HUBBELL #PRBRG3
 - ② 3-GANG FLANGE, ALUMINUM HUBBELL #SA3085W

3 FLOORBOX DETAIL
E7.2 SCALE: NTS



4 RAIN LEADER HEAT TRACE DETAIL
E7.2 SCALE: NTS

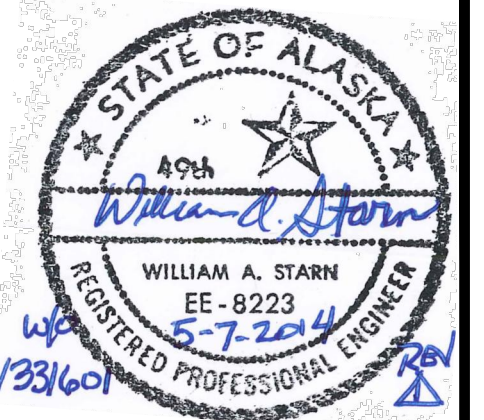


5 TRANSFORMER GROUNDING
E7.2 SCALE: NTS

| VOLTAGE | VOLTAGE | VOLTAGE |
|----------------|---------------|---------------|
| 480Y/277V | 208Y/120V | 240/120V |
| PHASE A BROWN | PHASE A BLACK | LINE A BLACK |
| PHASE B ORANGE | PHASE B RED | LINE B RED |
| PHASE C YELLOW | PHASE C BLUE | NEUTRAL WHITE |
| NEUTRAL GRAY | NEUTRAL WHITE | GROUND GREEN |
| GROUND GREEN | GROUND GREEN | |

PROVIDE VOLTAGE PLACARD AS APPLICABLE AT EACH PANEL BOARD TO IDENTIFY THE COLOR CODE USED FOR THE WIRING SYSTEM (REF NEC 210.5). PLACARDS SHALL BE ENGRAVED PHENOLIC, BLACK 1/4" HIGH LETTERS ON WHITE BACKGROUND.

6 VOLTAGE PLACARD DETAIL
E7.2 SCALE: NTS



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| Drawn | DGB JCA |
| Checked | WAS |
| Date | 04/25/2014 |

Sheet Contents:
ELECTRICAL DETAILS

Sheet No.:
E7.2

USKH W.O. 1331601

SPECIFICATIONS:

1. GENERAL

- 1.1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL STATE AND LOCAL CODES AND CODE AMENDMENTS.
1.2. OBTAIN ALL PERMITS AND PAY ALL FEES REQUIRED BY THIS WORK.
1.3. MAINTAIN RESPONSIBILITY FOR THE CONDITION OF ALL MATERIALS USED. IF LOST, STOLEN, OR DAMAGED, MATERIALS SHALL BE REPLACED AT NO EXTRA COST TO THE OWNER.
1.4. ALL WORK SHALL BE PERFORMED BY WORKMEN SKILLED IN AND REGULARLY EMPLOYED IN THE TRADE.
1.5. PERFORM ALL CUTTING, DRILLING, AND PATCHING OF WALLS AND FLOORS NECESSARY FOR A COMPLETE INSTALLATION IN COORDINATION WITH OTHER TRADES.
1.6. COORDINATION INSTALLATION AND ARRANGEMENT OF COMPONENTS AND EQUIPMENT WITH OTHER TRADES AND INSTALL TO FACILITATE ACCESS FOR FUTURE MAINTENANCE, REPAIR, AND REPLACEMENT WITHOUT INTERFERENCE TO ADJACENT WORK.
1.7. REMOVE ALL DEBRIS AND SURPLUS MATERIAL FOR THE PREMISES AS PROGRESS OF THE WORK DICTATES.
1.8. ALL ELECTRICAL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).

2. PRODUCTS AND SUBMITTALS

- 2.1. SUBMIT (6) COPIES OF PRODUCT DATA, CERTIFICATES, AND SHOP DRAWINGS TO THE ENGINEER WITHIN 30 DAYS AFTER NOTICE TO PROCEED.
2.2. ALL PRODUCTS SHALL BE NEW AND LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) FOR THE INTENDED USE.
2.3. MATCH EXISTING WHERE A UNIFORM INSTALLATION EXISTS UNLESS OTHERWISE INDICATED OR APPROVED.
2.4. PROVIDE SIMILAR ITEMS FROM THE SAME MANUFACTURER THROUGHOUT THE PROJECT.
2.5. SUBSTITUTES FOR SPECIFIED ITEMS SHALL NOT BE FURNISHED WITHOUT WRITTEN APPROVAL UNLESS OR EQUAL IS INDICATED.

3. DEMOLITION

- 3.1. REMOVE ALL EXPOSED ELECTRICAL WORK IN DEMOLITION AREAS. ACCESSIBLE CIRCUITS AND RACEWAYS SHALL BE REMOVED BACK TO THE SOURCE OR TERMINAL EQUIPMENT UNLESS OTHERWISE INDICATED OR WHERE CIRCUITS SERVE AREAS TO REMAIN.
3.2. REMOVE CONDUCTORS FROM INACCESSIBLE CONDUITS. INACCESSIBLE CONDUITS MAY BE ABANDONED IN PLACE. TERMINATE CONDUITS 2 INCHES BELOW GRADE OR SURFACE OF ADJACENT CONSTRUCTION.
3.3. OWNER RESERVES RIGHT OF FIRST REFUSAL FOR SALVAGEABLE MATERIALS AND EQUIPMENT SCHEDULED FOR DEMOLITION.
3.4. REMOVE, STORE, CLEAN, REINSTALL, RECONNECT, AND MAKE OPERATIONAL COMPONENTS INDICATED FOR RELOCATION.

4. SITE WORK AND UTILITIES

- 4.1. REQUEST LOCATES AND VERIFY LOCATION OF UNDERGROUND FACILITIES BEFORE CONSTRUCTION.
4.2. PERFORM ALL EXCAVATION AND BACKFILL NECESSARY FOR A COMPLETE INSTALLATION IN COORDINATION WITH OTHER TRADES.
4.3. CONTRACTOR SHALL INITIATE APPLICATION FOR UTILITY SERVICES. COORDINATE WITH UTILITIES TO ARRANGE FOR REQUIRED INSPECTIONS AND PERMANENT SERVICE CONNECTIONS.

5. ELECTRICAL DISTRIBUTION

- 5.1. PANELBOARDS SHALL HAVE COPPER BUSSING AND INCLUDE NEUTRAL AND EQUIPMENT GROUND BUSES.
5.2. PANELBOARDS SHALL BE FULLY RATED TO INTERRUPT THE AVAILABLE SYMMETRICAL SHORT CIRCUIT CURRENT.
5.3. PANELBOARDS SHALL BE DESIGNED FOR SURFACE OR FLUSH-MOUNTING AND SHALL HAVE A FRONT TRIM WITH LOCKABLE DOOR.
5.4. OVERCURRENT PROTECTIVE DEVICES SHALL BE CIRCUIT BREAKER TYPE, BOLT-IN DESIGN.
5.5. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE, FUSED OR NON-FUSED AS INDICATED ON THE DRAWINGS.
5.6. TRANSFORMERS SHALL HAVE COPPER WINDINGS.

- 5.7. INSULATION SHALL BE CLASS 220 DEG C, MAXIMUM 150 DEG C TEMPERATURE RISE.
5.8. PROVIDE WALL-MOUNTED TRANSFORMERS WITH MANUFACTURER'S STANDARD WALL BRACKETS.
5.9. MAGNETIC-TYPE MOTOR STARTERS SHALL BE COMBINATION UNITS INCORPORATING A NON-FUSED OR FUSED DISCONNECT.
5.10. PROVIDE MOTOR STARTERS WITH THERMAL OR ELECTRONIC OVERLOAD ELEMENTS SIZED BASED ON THE FULL LOAD CURRENT OF THE INSTALLED EQUIPMENT.

6. RACEWAYS AND BOXES

- 6.1. CONDUIT TYPES SHALL BE:
6.1.1. UNDERGROUND: RMC OR SCHEDULE 40 PVC WITH RMC RMC FOR VERTICAL PORTIONS.
6.1.2. EXTERIOR EXPOSED: RMC.
6.1.3. INTERIOR EXPOSED BELOW 5'AFF: RMC OR IMC.
6.1.4. INTERIOR EXPOSED ABOVE 5'AFF: EMT.
6.1.5. INTERIOR CONCEALED: EMT.
6.2. CONNECTIONS TO EQUIPMENT REQUIRING FLEXIBILITY OR SUBJECT TO VIBRATION SHALL BE:
6.2.1. INTERIOR, DRY LOCATIONS: FMC OR LFMC.
6.2.2. INTERIOR, DAMP OR WET LOCATIONS: LFMC
6.2.3. EXTERIOR: LFMC.
6.3. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR POWER AND 1/2" FOR LOW-VOLTAGE AND CONTROLS.
6.4. CONDUIT FITTINGS SHALL BE GALVANIZED STEEL AND HAVE NYLON INSULATED THROATS.
6.5. CONDUIT FITTINGS FOR RMC AND IMC SHALL BE THREADED TYPE.
6.6. CONDUIT FITTINGS FOR EMT SHALL BE STEEL SET SCREW OR COMPRESSION TYPE.
6.7. PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
6.8. CONDUITS PASSING FROM HEATED TO COLD SPACES SHALL BE THERMALLY SEALED TO PREVENT AIR AND MOISTURE TRANSFER.
6.9. CONDUITS SHALL BE CUT SQUARE AND ENDS REAMED TO REMOVE BURRS.
6.10. MAXIMUM CONDUIT BEND SHALL BE 90 DEGREES, WITH NOT MORE THAN THREE 90 DEGREE BENDS OR EQUIVALENT BETWEEN PULL POINTS.
6.11. JUNCTION AND DEVICE BOXES SHALL BE SUITABLE FOR USE AT THE INSTALLED LOCATION AND ARRANGED TO ACCEPT THE INTENDED DEVICE OR EQUIPMENT.
6.11.1. EXTERIOR: GALVANIZED CAST IRON OR CAST ALUMINUM WITH THREADED CONDUIT HUBS AND GASKETED WEATHERPROOF COVERS.
6.11.2. INTERIOR EXPOSED BELOW 5'AFF: GALVANIZED CAST IRON OR CAST ALUMINUM WITH THREADED CONDUIT HUBS.
6.11.3. INTERIOR EXPOSED ABOVE 5'AFF: GALVANIZED SHEET STEEL.
6.11.4. INTERIOR CONCEALED: GALVANIZED SHEET STEEL.
6.12. THE ENTIRE CONDUIT SYSTEM SHALL BE MECHANICALLY AND ELECTRICALLY CONTINUOUS FROM THE SOURCE TO ALL DEVICES AND GROUNDED IN ACCORDANCE WITH THE NEC.
6.13. INSTALL CONDUIT AND DEVICES CONCEALED AND FLUSH IN FINISHED AREAS. CONDUIT AND DEVICES MAY BE INSTALLED EXPOSED IN UNFINISHED AREAS, UTILITY AND MECHANICAL ROOMS, AND AS INDICATED ON THE DRAWINGS.

7. CONDUCTORS AND CABLES

- 7.1. CONDUCTORS SHALL BE COPPER, SOLID FOR 10AWG AND SMALLER, STRANDED FOR 8AWG AND LARGER.
7.1.1. EXTERIOR: XHHW.
7.1.2. INTERIOR, HEATED: THHN-THWN OR XHHW.
7.1.3. INTERIOR, UNHEATED: XHHW.
7.2. MINIMUM CONDUCTOR SIZES SHALL BE 12AWG FOR POWER AND 18AWG FOR LOW-VOLTAGE AND CONTROLS.
7.3. TYPE MC CABLE MAY BE USED FOR CONCEALED BRANCH CIRCUIT WIRING BETWEEN DEVICES.
7.4. CONNECTORS AND SPLICES SHALL BE FACTORY-FABRICATED TWIST-ON, COMPRESSION, OR BOLTED.
7.5. ALL SPLICES AND CONNECTIONS LOCATED UNDERGROUND OR IN GRADE-LEVEL JUNCTION BOXES SHALL BE MADE WITH UNDERGROUND SPLICE KITS AND SEALED WATERTIGHT.
7.6. PROVIDE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL POWER AND CONTROL CIRCUITS.

8. HEAT TRACE

- 8.1. HEAT TRACE CABLES SHALL BE SELF LIMITING, PARALLEL RESISTANCE HEATING CABLE WITH TINNED COPPER BUS WIRES EMBEDDED IN A CROSS-LINKED CONDUCTIVE POLYMER CORE.
8.2. COLD LEAD CONNECTIONS AND DEAD-END TERMINATIONS SHALL BE MADE USING MANUFACTURER'S STANDARD WATERTIGHT KITS.
8.3. HEAT TRACE CABLE SHALL BE INSTALLED IN CONTINUOUS LENGTHS WITHOUT SPLICES OR JOINTS.
8.4. TEST CABLES FOR CONTINUITY AND INSULATION RESISTANCE BEFORE AND AFTER INSTALLATION.
8.5. ALL CIRCUIT BREAKERS SERVING HEAT TRACE CIRCUITS SHALL BE 30MA GFEP CIRCUIT BREAKERS WITH NON-REMOVABLE PADLOCKING PROVISIONS.

9. WIRING DEVICES

- 9.1. RECEPTACLES SHALL BE HEAVY-DUTY GRADE, 20AMP, DUPLEX GROUNDING TYPE RECEPTACLES.
9.2. SWITCHES SHALL BE HEAVY-DUTY GRADE, 20AMP, SINGLE POLE, THREE-WAY, FOUR-WAY, KEY-OPERATED, AND PILOT-LIGHT AS INDICATED ON THE DRAWINGS.
9.3. GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLES SHALL BE HEAVY-DUTY GRADE, 20AMP, NON-FEED-THROUGH, DUPLEX RECEPTACLES WITH CLASS A TRIP, TEST AND RESET BUTTONS, AND A PROTECTION INDICATOR LIGHT.
9.4. OCCUPANCY SENSORS SHALL HAVE ADJUSTABLE SENSITIVITY AND TIME DELAYS AND SHALL BE SELECTED TO PROVIDE SENSOR COVERAGE OF THE ENTIRE ROOM.
9.4.1. WALL-SWITCH MOUNTED, PASSIVE INFRARED TYPE, 180-DEG FIELD OF VIEW, WITH INTEGRAL RELAY.
9.4.2. WALL-SWITCH MOUNTED, ULTRASONIC TYPE, WITH INTEGRAL RELAY.
9.4.3. WALL-SWITCH MOUNTED, DUAL-TECHNOLOGY TYPE, WITH INTEGRAL RELAY.
9.4.4. CEILING MOUNTED, PASSIVE INFRARED TYPE, WITH SEPARATE RELAY/POWER SUPPLY.
9.4.5. CEILING MOUNTED, ULTRASONIC TYPE, WITH SEPARATE RELAY/POWER SUPPLY.
9.4.6. CEILING MOUNTED, DUAL-TECHNOLOGY TYPE, WITH SEPARATE RELAY/POWER SUPPLY.
9.5. WIRING DEVICES SHALL BE WHITE.
9.6. WALL PLATES SHALL BE:
9.6.1. FINISHED AREAS: SMOOTH PLASTIC, COLOR MATCHED TO DEVICES.
9.6.2. UNFINISHED AREAS: GALVANIZED STEEL.
9.6.3. DAMP LOCATIONS: DIE-CAST ALUMINUM COVER WITH SPRING-LOADED DOOR(S).
9.6.4. WET LOCATIONS: DIE-CAST ALUMINUM COVER RATED WEATHERPROOF WHILE IN USE.
9.7. LIGHTING CONTACTORS SHALL HAVE ELECTRICALLY-HELD COILS, INDICATOR LIGHTS, CONTROL SWITCHES AND PILOT RELAYS AS REQUIRED, AND ENCLOSURES RATED FOR THE INSTALLED ENVIRONMENT.
9.8. TIME CLOCKS SHALL BE 24 HOUR/7 DAY PROGRAMMABLE WITH AUTOMATICALLY ADJUSTING ASTRONOMICAL CLOCK, WITH BACKUP POWER AND NUMBER OF CONTACTS AS REQUIRED.

10. LIGHTING

- 10.1. LIGHT FIXTURES SHALL BE AS SHOWN AND SCHEDULED ON THE DRAWINGS OR AN APPROVED EQUAL.
10.2. LIGHT FIXTURES SHALL BE PROVIDED AND INSTALLED COMPLETE WITH LAMPS, BALLASTS, AND MOUNTING HARDWARE.
10.3. FLUORESCENT BALLASTS SHALL BE ELECTRONIC, INSTANT-START, CLASS A SOUND RATED, HAVE A MINIMUM BALLAST FACTOR OF 0.88 AND A MAXIMUM TOTAL HARMONIC DISTORTION (THD) OF 10%.
10.4. EMERGENCY FLUORESCENT BATTERY UNITS SHALL OPERATE ONE FLUORESCENT LAMPS CONTINUOUSLY AT A MINIMUM TOTAL OUTPUT OF 1100 LUMENS.
10.5. EXIT SIGNS SHALL BE LED TYPE, WITH INTEGRAL NICKEL-CADMIUM BATTERIES, CHARGING AND TRANSFER ELECTRONICS, TEST PUSHBUTTON, AND CHARGE INDICATOR LIGHT.
10.6. EMERGENCY LIGHTS SHALL INCLUDE SEALED LEAD-ACID BATTERIES, CHARGING AND TRANSFER ELECTRONICS, TEST PUSHBUTTON, AND CHARGE INDICATOR LIGHT.
10.7. LINEAR FLUORESCENT LAMPS SHALL BE T8, 3500K, 85 CRI MINIMUM, WITH A MINIMUM RATED LIFE OF 20,000 HOURS.
10.8. LED DRIVERS SHALL BE ELECTRONIC, RATED FOR THE LEDS INSTALLED IN THE FIXTURE, HAVE A MINIMUM POWER FACTOR OF 0.9 AND A MAXIMUM TOTAL HARMONIC DISTORTION (THD) OR 20%. DRIVERS FOR EXTERIOR FIXTURES SHALL HAVE A MINIMUM STARTING TEMPERATURE OF -40 DEG F.

10.9. LEDS SHALL HAVE A MINIMUM RATED LIFE TO L70 OR 50,000 HOURS.

- 10.9.1. INTERIOR: 3500K, 80 CRI MINIMUM.
10.9.2. EXTERIOR: 4000K, 80 CRI MINIMUM.
10.10. LIGHT FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE SUPPORTED FROM THE CEILING GRID.
10.11. TELECOMMUNICATIONS HORIZONTAL CABLING SHALL BE FOUR-PAIR UTP, RATED CATEGORY 6 AND 5E FOR IP VIDEO CAMERAS.

11. TELECOMMUNICATIONS

- 11.1. TELECOMMUNICATIONS HORIZONTAL CABLING SHALL BE FOUR-PAIR UTP, RATED CATEGORY 6 AND 5E FOR IP VIDEO CAMERAS.
11.2. TELECOMMUNICATIONS OUTLETS SHALL CONSIST OF MODULAR JACKS IN TWO OR FOUR-PORT FACEPLATES.
11.3. FACEPLATES SHALL INCLUDE INSERTS FOR LABELS WITH CLEAR, SNAP-IN COVERS.
11.4. TELECOMMUNICATIONS BACKBOARDS SHALL BE 3/4-INCH THICK, FIRE-RETARDANT TREATED PLYWOOD PAINTED WITH TWO COATS OF FIRE-RETARDANT PAINT.
11.5. EQUIPMENT RACKS SHALL BE WALL-MOUNTED ENCLOSED RACKS WITH EIA STANDARD 19-INCH WIDE, DRILLED AND TAPPED SUPPORT RAILS.
11.6. PATCH PANELS SHALL BE RATED CATEGORY 5E AND 6.
11.7. VOICE GRADE CROSS CONNECTIONS SHALL BE MADE USING 66-STYLE BLOCKS WITH IDC CONNECTORS.
11.8. TELECOMMUNICATIONS CABLING SHALL BE INSTALLED IN CONDUIT WHERE CONCEALED.
11.9. INSTALL AND TEST CABLES IN ACCORDANCE WITH TIA/EIA-568-B.2 FOR CATEGORY 5E AND 6 CABLES.
12.1. A NEW FIRE ALARM SATELLITE PANEL SHALL BE INSTALLED AND CONNECTED TO THE EXISTING FIRE ALARM CONTROL PANEL.

12. FIRE ALARM

- 12.1. A NEW FIRE ALARM SATELLITE PANEL SHALL BE INSTALLED AND CONNECTED TO THE EXISTING FIRE ALARM CONTROL PANEL.
12.2. INITIATION DEVICES SHALL INCLUDE MANUAL PULL STATIONS, PHOTOELECTRIC SMOKE DETECTORS, HEAT DETECTORS, DUCT-MOUNTED SMOKE DETECTORS, INTERFACE MODULES FOR SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES.
12.3. SIGNALING DEVICES SHALL INCLUDE HORNSTROBES AND STROBES.
12.4. CONTROL DEVICES SHALL INCLUDE INTERFACE MODULES FOR MECHANICAL EQUIPMENT, MAGNETIC DOOR HOLDS, SMOKE DAMPERS, AND ELEVATOR CONTROL INTERFACE.
12.5. SIGNALING LINE CIRCUITS SHALL BE CLASS A, STYLE 6.
12.6. FIRE ALARM WIRING SHALL BE ROUTED IN CONDUIT, OR FIRE ALARM MC CABLE.
12.7. INSTALL AND TEST FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72 AND NEC ARTICLE 760.

13. IDENTIFICATION

- 13.1. INSTALL UNDERGROUND WARNING TAPE 6-8" BELOW GRADE OVER ALL UNDERGROUND CABLES AND CONDUITS.
13.2. COLOR CODE SECONDARY PHASE CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS.
13.1.1. EXTERIOR: PRE-PRINTED WRAPAROUND HEAT-SHRINK LABELS OR PLASTIC TAGS WITH PERMANENT PRINTING OR MARKER.
13.1.2. INTERIOR: PRE-PRINTED WRAPAROUND HEAT-SHRINK LABELS.
13.2. EQUIPMENT LABELS SHALL BE ENGRAVED PLASTIC LAMINATE, WHITE LETTERING ON A BLACK FIELD.
13.3. DEVICE COVERS SHALL BE LABELED WITH THE PANEL AND CIRCUIT NUMBER.
13.4. IN UNFINISHED AND CONCEALED AREAS, PAINT COVERS OF JUNCTION BOXES TO IDENTIFY USE:
13.4.1. FIRE ALARM: RED.
13.4.2. TELECOMMUNICATIONS: BLUE.
13.4.3. LOW-VOLTAGE CONTROLS: GREEN.
13.5. INSTALL LABELS ON EACH PANELBOARD AFFECTED BY THIS WORK READING: "WARNING - POTENTIAL ARC FLASH HAZARD EXISTS WHILE WORKING ON THIS ENERGIZED EQUIPMENT."

14. PROJECT COMPLETION / TESTING AND ACCEPTANCE

- 14.1. UPON PROJECT COMPLETION, CLEAN ALL ELECTRICAL EQUIPMENT AND FIXTURES AND REPLACE OR REPAIR ANY ITEMS SCRATCHED, DENTED, OR OTHERWISE DISFIGURED.
14.2. TEST ALL SYSTEMS TO ASSURE PROPER OPERATION.
14.3. TEST INSULATION RESISTANCE OF FEEDER CONDUCTORS.
14.4. NOTIFY OWNER OF TEST SCHEDULE AND PROVIDE WRITTEN TEST REPORTS.
14.5. COMMISSION ELECTRICAL SYSTEMS IN ACCORDANCE WITH NECA 90 GUIDELINES.
14.6. MAINTAIN RED-LINED AS-BUILT RECORD DRAWINGS AS PROJECT PROGRESSES AND DELIVER TO OWNER AFTER FINAL INSPECTION AND ACCEPTANCE.

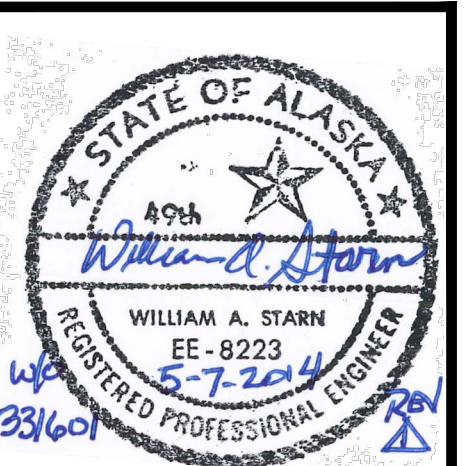


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USKH logo and contact information: 2515 'A' Street, Anchorage, Alaska 99503, (907) 276-4245.

Project information: Alaska Native Heritage Center, MABEL PIKE EDUCATIONAL CENTER EXPANSION, Anchorage, Alaska.

Table with Project Mgr, Drawn, Checked, and Date fields.

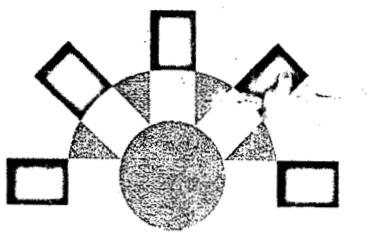
Sheet Contents: ELECTRICAL SPECIFICATIONS

Sheet No.: E8.1

Alaska Native Heritage Center

ANHC Phase I Site Improvements

ANHC PHASE I
SITE
IMPROVEMENTS



MUNICIPAL BUILDING CODE
Validity. The issuance or granting of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any provisions of this Code. No permit, presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which it authorizes is lawful.
The issuance of a permit based upon plans and specifications shall not prevent the Building Official from thereafter requiring the correction of errors in said plans and specifications or from preventing building operations being carried on thereunder when in violation of this Code or of any other ordinance of the municipality.

APPROVED
BY *Truman O'Rourke*
DATE _____

APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED, MODIFIED, OR ALTERED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL, AND ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPROVED PLANS.
THIS SET OF PLANS SHALL BE KEPT ON SUCH BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS.

| SPECIAL INSPECTION | SPECIAL INSPECTION | SPECIAL INSPECTION |
|--|--|--|
| Contractor shall call for special inspections according to the Special Inspection Program. Contractor shall arrange for a pre-construction special inspection meeting before construction begins. Call for inspections in a timely manner to allow for inspection before work is to progress. Contractor is required to call for scheduled Building Safety inspections after special inspection corrections are made, but before proceeding with the work. | Contractor shall call for special inspections according to the Special Inspection Program. Contractor shall arrange for a pre-construction special inspection meeting before construction begins. Call for inspections in a timely manner to allow for inspection before work is to progress. Contractor is required to call for scheduled Building Safety inspections after special inspection corrections are made, but before proceeding with the work. | Contractor shall call for special inspections according to the Special Inspection Program. Contractor shall arrange for a pre-construction special inspection meeting before construction begins. Call for inspections in a timely manner to allow for inspection before work is to progress. Contractor is required to call for scheduled Building Safety inspections after special inspection corrections are made, but before proceeding with the work. |
| Additional comments: ① REINFORCED MASONRY IN ACCORDANCE WITH SECTION 1104.5 OF THE IBC. <i>BAK 10/20/05</i> | Additional comments: ② POST INSTALLED ANCHOR IN ACCORDANCE WITH MANUFACTURERS ECC EVALUATION REPORT. <i>BAK 10/20/05</i> | Additional comments: <i>JBC 12/7</i> STRUCTURAL SOILS WITHIN 2' OF FOUNDATION PERIMETER, SUBMIT COMPACTION REPORTS TO M.O.A. INSPECTOR PRIOR TO 2007. <i>BAK 9/20/05</i> |

LEGAL DESCRIPTION:

Tract 1, CIRI Glenn Subdivision, Anchorage, Alaska

PROJECT DESCRIPTION:

Provide for the demolition of two existing village site structures at the Yupik/Cupik and Aleut/Alutiiq sites. Provide construction of three new site structures, with one at the Yupik/Cupik site and two at the Aleut/Alutiiq site. Install electrical services, path lighting, cable for fire alarm, communications and speakers, and irrigation for upgrade of the sites.

SHEETS INDEX

CIVIL INDEX

| SHEET NO. | DESCRIPTION |
|-----------|----------------------|
| G-001 | COVER SHEET |
| G-002 | CODE ANALYSIS |
| C-101 | SURVEY CONTROL SHEET |
| C-102 | DEMOLITION PLAN |
| C-301 | SITE PLAN |
| C-104 | GRADING PLAN |
| C-105 | GRADING PLAN |
| C-301 | SECTIONS and DETAILS |

LANDSCAPE INDEX

| SHEET NO. | DESCRIPTION |
|-----------|------------------------------|
| L-101 | SYMBOLS & NOTES |
| L-102 | OVERALL SITE PLAN |
| L-103 | CIQLLUAQ/ULAX LANDSCAPE PLAN |
| L-104 | QASGIQ/ENA LANDSCAPE PLAN |
| L-105 | IRRIGATION PLAN |
| L-501 | LANDSCAPE DETAILS |

ARCHITECTURAL INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-------------------------------------|
| A-001 | NOTES, ABBREVIATIONS, & CONVENTIONS |
| A-101 | BLDG.#1 FLOOR PLAN & SECTIONS |
| A-102 | BLDG.#2 FLOOR PLAN & SECTIONS |
| A-103 | BLDG.#3 FLOOR PLAN |
| A-104 | BLDG.#3 SECTIONS |
| A-105 | BLDG.#4 FLOOR PLAN & SECTIONS |

STRUCTURAL INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-------------------------------|
| S-001 | GENERAL NOTES |
| S-101 | BUILDING #1 SLAB & ROOF PLANS |
| S-102 | BUILDING #2 SLAB & ROOF PLANS |
| S-103 | BUILDING #3 SLAB & ROOF PLANS |
| S-104 | BUILDING #4 SLAB & ROOF PLANS |
| S-301 | SECTIONS |
| S-302 | ENTRY SECTIONS |
| S-501 | DETAILS |

MECHANICAL INDEX

| SHEET NO. | DESCRIPTION |
|-----------|-------------------------------|
| M-001 | MECHANICAL LEGEND & SCHEDULES |
| M-101 | MECHANICAL FLOOR PLANS |

ELECTRICAL INDEX

| SHEET NO. | DESCRIPTION |
|-----------|----------------------------------|
| E-001 | SITE PLAN & LEGEND |
| E-101 | ELECTRICAL PLANS |
| E-102 | ELECTRICAL PLANS |
| E-501 | EXISTING PLAN DETAIL & SCHEDULES |
| E-502 | POWER ONE-LINE DIAGRAM |

DEFERRED SUBMITTAL ITEMS

The following items are deferred submittal items. They must be submitted to Building Safety Plan Review for review and approval prior to installation, construction, and inspection.

Item:
TROSS ENGINEERING AND PLANS SEALED BY AN ALASKA LICENSED PROFESSIONAL ENGINEER
SUBMITTED FOR REVIEW/ APPROVAL

BAK 10/20/05

FOOTING & FOUNDATION PERMIT SUBMITTAL

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SUBMITTAL
AUG 25 2005
PERMIT NUMBER:
05 5946

DATE: 08-24-05
JOB NO.: ANH0505
DRAWN BY: TT
CHECKED BY: MK
DRAWING TITLE:
COVER SHEET

SHEET NO.:
G-001

LEGAL DESCRIPTION:

TRACT 1, CIRI GLENN SUBDIVISION, ANCHORAGE, ALASKA

CODE ANALYSIS

APPLICABLE CODES & REGULATORY REQUIREMENTS

International Building Code 2000 Edition
 International Mechanical Code 2000 Edition
 Uniform Plumbing Code 2000 Edition
 International Fire Code 2000 Edition
 National Electrical Code 2002 Edition
 Americans with Disabilities Act Accessibility Guidelines 1991

NOTE: THESE STRUCTURES ARE ART EXHIBITS FOR ALASKAN INDIGENOUS HOUSE STRUCTURES. THEY ARE UNOCCUPIED SPACES, REQUIRING SPECIAL CONSIDERATION FOR PERMIT RENEW TO MAINTAIN AUTHENTIC REPRESENTATION OF INDIGENOUS EXHIBITS. THE INTENT IS TO DESIGN THE SHELL FOR CODE COMPLIANCE.

OCCUPANCY CLASSIFICATION

Building Occupancy Group A-3 (IBC Section 303)

CONSTRUCTION TYPE

Type I B Non Sprinklered (IBC Section 602.2)

BUILDING HEIGHT

Total Allowable height: 40 feet / 1 story (IBC Table 503)
 Non - sprinkler

Actual height:

Building #1 - Ciqlluqaq 13.75 feet / 1 story
 Building #2 - Ulax 13.75 feet / 1 story
 Building #3 - Qasgiq 15.33 feet / 1 story
 Building #4 - Ena 15.08 feet / 1 story (Future Construction)

BUILDING AREA

Allowable area (Type I B): 6,000 square feet / Per Building (IBC Table 503)

Separation Distance in Between of:

Unalaska Ulax to Kodiak Ciqlluqaq: 28.95' - (East to West)
 Yupik Qasgiq to Ena 23.62' - (East to West)

AREA

Building #1 - Ciqlluqaq = 712 Gross (Occupied)
 Building #2 - Ulax = 580 Gross (Occupied)
 Building #3 - Qasgiq = 914 Gross (Occupied)
 Building #4 - Ena = 587 Gross (Occupied) (Future Construction)

OCCUPANT LOAD CALCULATION
 (For Exiting Requirements Only)

| Exhibit Structure | Interior Finished Area | O.L.F. | Occupant Load | Exits Required |
|-------------------------|------------------------|--------|---------------|----------------|
| Building #1 - Ciqlluqaq | 416 sf | 15 | 25 | 1 |
| Building #2 - Ulax | 320 sf | 15 | 22 | 1 |
| Building #3 - Qasgiq | 576 sf | 15 | 39 | 1 |
| Building #4 - Ena | 324 sf | 15 | 22 | 1 |

FIRE-RESISTANCE REQ'TS FOR BUILDING ELEMENTS (IBC Table 601)

Struct. Frame, including columns, girders, trusses: 0
 Exterior and Interior bearing walls: 0
 Floor Construction: 0
 Roof Construction: 0

FIRE-RESISTANCE REQ'TS FOR EXTERIOR WALLS (IBC Table 602)

Fire Separation Distance >10 feet
 No F-R Requirements for Exterior Load Bearing Walls

Interior Wall & Ceiling Finishes: Class C (IBC Table 808.4)

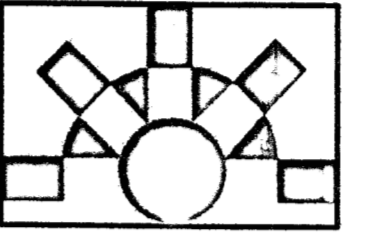
SEISMIC DESIGN

Category or 'Seismic Use group': I (IBC Table 1604.5)

PAVING & PLUMBING FIXTURES REQUIREMENT

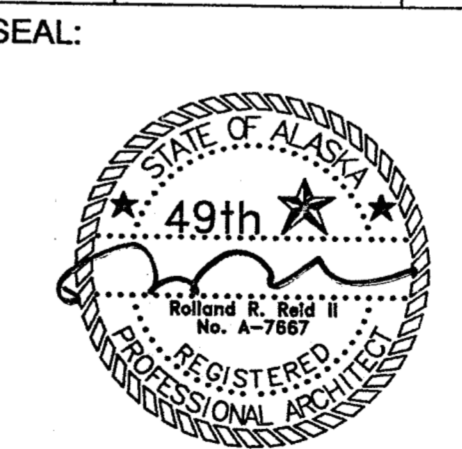
NOTE: THE INTENT IS TO DESIGN SHELL OF EXHIBIT STRUCTURES TO BE CODE COMPLIANT AND INTERIOR OF EXHIBIT WILL REQUIRE. SPECIAL CONSIDERATION FOR PERMIT REVIEW AS THESE STRUCTURES ARE ART EXHIBITS AND UNOCCUPIED SPACES. THEREFORE, NOT INCREASING THE PARKING REQUIREMENT.

ANHC PHASE I SITE IMPROVEMENTS



FOOTING & FOUNDATION PERMIT SUBMITTAL

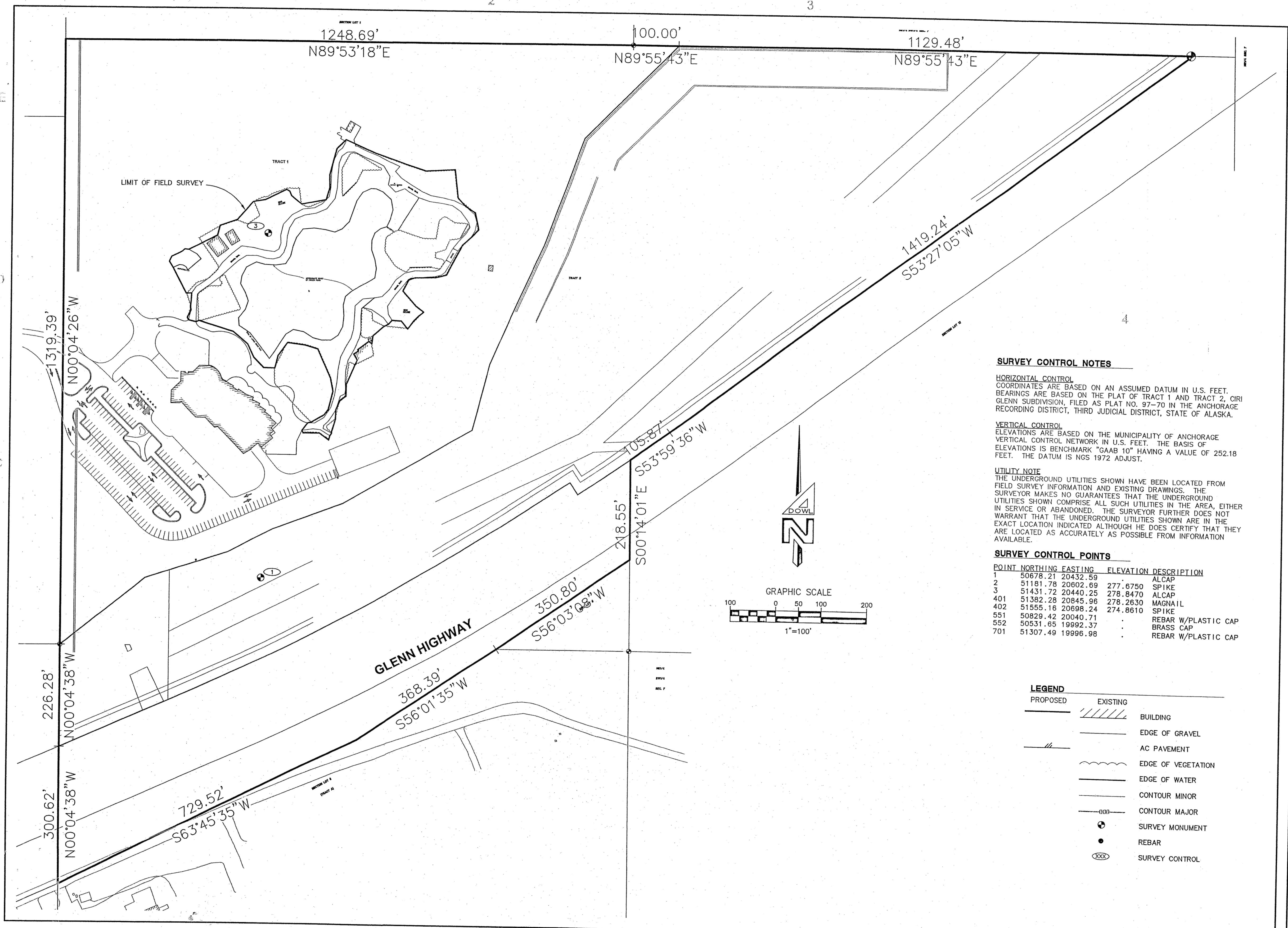
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 DRAWN BY: YLL
 CHECKED BY: RST
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CODE ANALYSIS
 SHEET NO.: **G_002**

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 SCRIPT FILE FOR THIS SHEET: COVER
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SURVEY CONTROL NOTES

HORIZONTAL CONTROL
 COORDINATES ARE BASED ON AN ASSUMED DATUM IN U.S. FEET. BEARINGS ARE BASED ON THE PLAT OF TRACT 1 AND TRACT 2, CIRI GLENN SUBDIVISION, FILED AS PLAT NO. 97-70 IN THE ANCHORAGE RECORDING DISTRICT, THIRD JUDICIAL DISTRICT, STATE OF ALASKA.

VERTICAL CONTROL
 ELEVATIONS ARE BASED ON THE MUNICIPALITY OF ANCHORAGE VERTICAL CONTROL NETWORK IN U.S. FEET. THE BASIS OF ELEVATIONS IS BENCHMARK "GAAB 10" HAVING A VALUE OF 252.18 FEET. THE DATUM IS NGS 1972 ADJUST.

UTILITY NOTE
 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

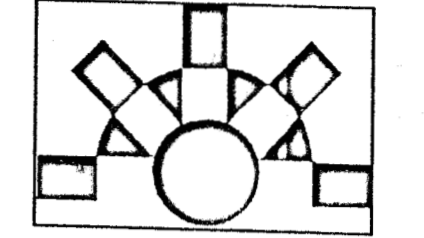
SURVEY CONTROL POINTS

| POINT | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|-------|----------|----------|-----------|---------------------|
| 1 | 50678.21 | 20432.59 | . | ALCAP |
| 2 | 51181.78 | 20602.69 | 277.6750 | SPIKE |
| 3 | 51431.72 | 20440.25 | 278.8470 | ALCAP |
| 401 | 51382.28 | 20845.96 | 278.2630 | MAGNAIL |
| 402 | 51555.16 | 20698.24 | 274.8610 | SPIKE |
| 551 | 50829.42 | 20040.71 | . | REBAR W/PLASTIC CAP |
| 552 | 50531.65 | 19992.37 | . | BRASS CAP |
| 701 | 51307.49 | 19996.98 | . | REBAR W/PLASTIC CAP |

LEGEND

| PROPOSED | EXISTING | |
|----------|----------|--------------------|
| | | BUILDING |
| | | EDGE OF GRAVEL |
| | | AC PAVEMENT |
| | | EDGE OF VEGETATION |
| | | EDGE OF WATER |
| | | CONTOUR MINOR |
| | | CONTOUR MAJOR |
| | | SURVEY MONUMENT |
| | | REBAR |
| | | SURVEY CONTROL |

**ANHC PHASE I
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 IMPROVEMENTS**



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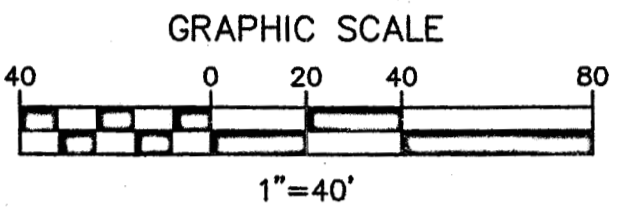
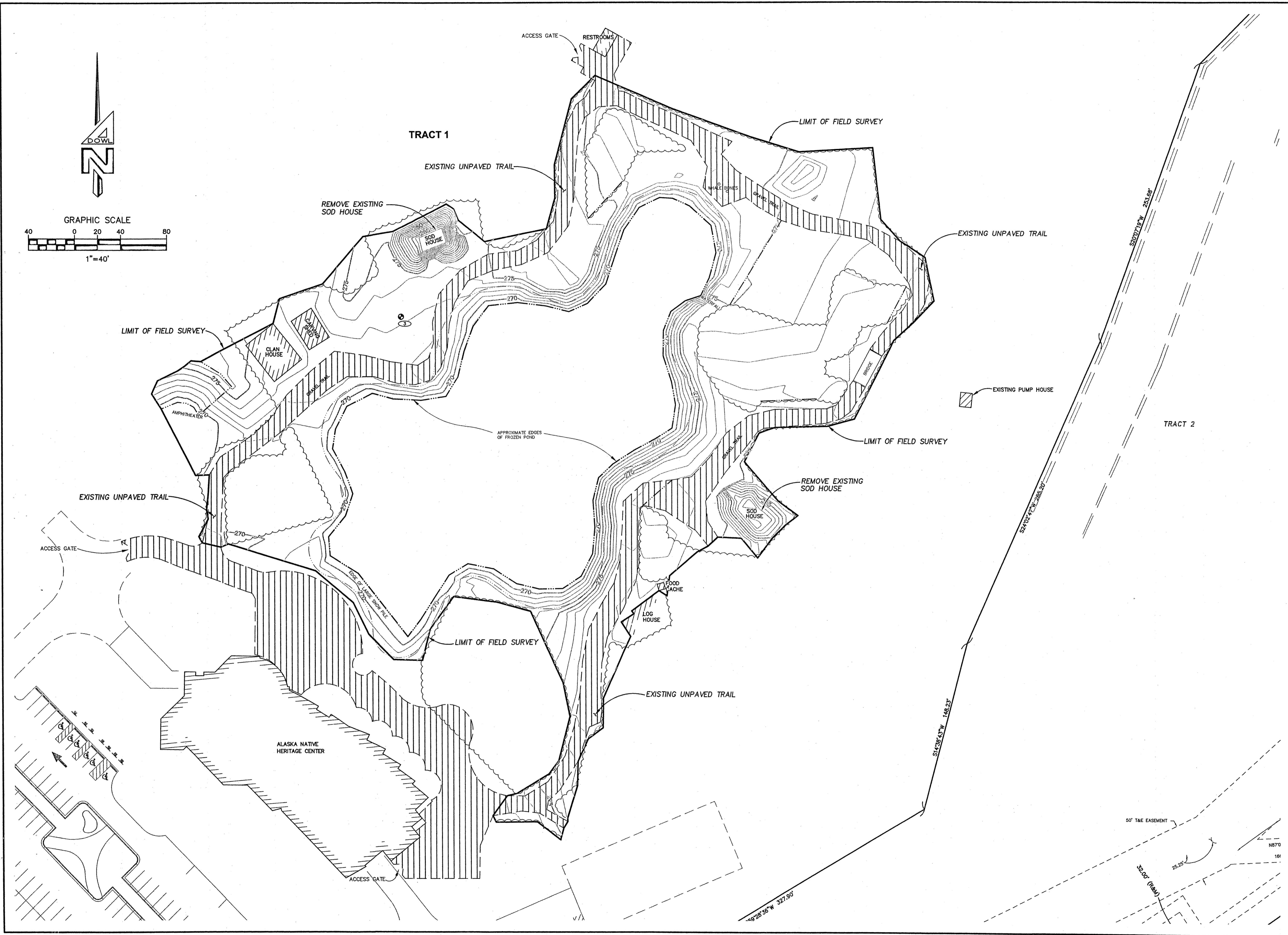
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 CHECKED BY: BSD
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**SURVEY
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 SHEET NO.:
SHEET C-101

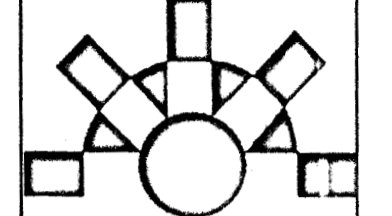
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PERMITTING DOCUMENTS

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**ANHC PHASE I
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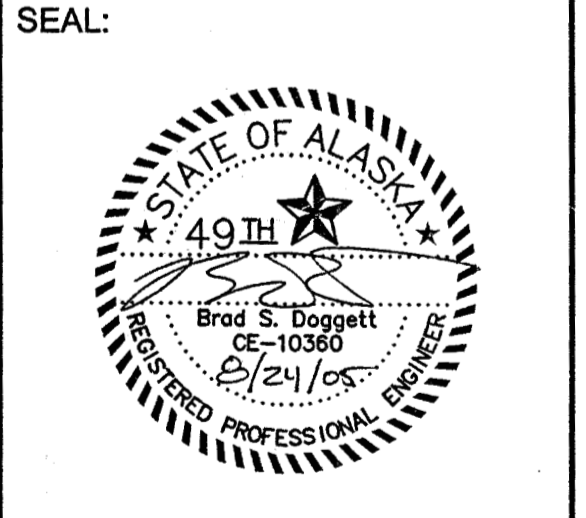


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ENGINEERS**
4040 B STREET ANCHORAGE, ALASKA 99503

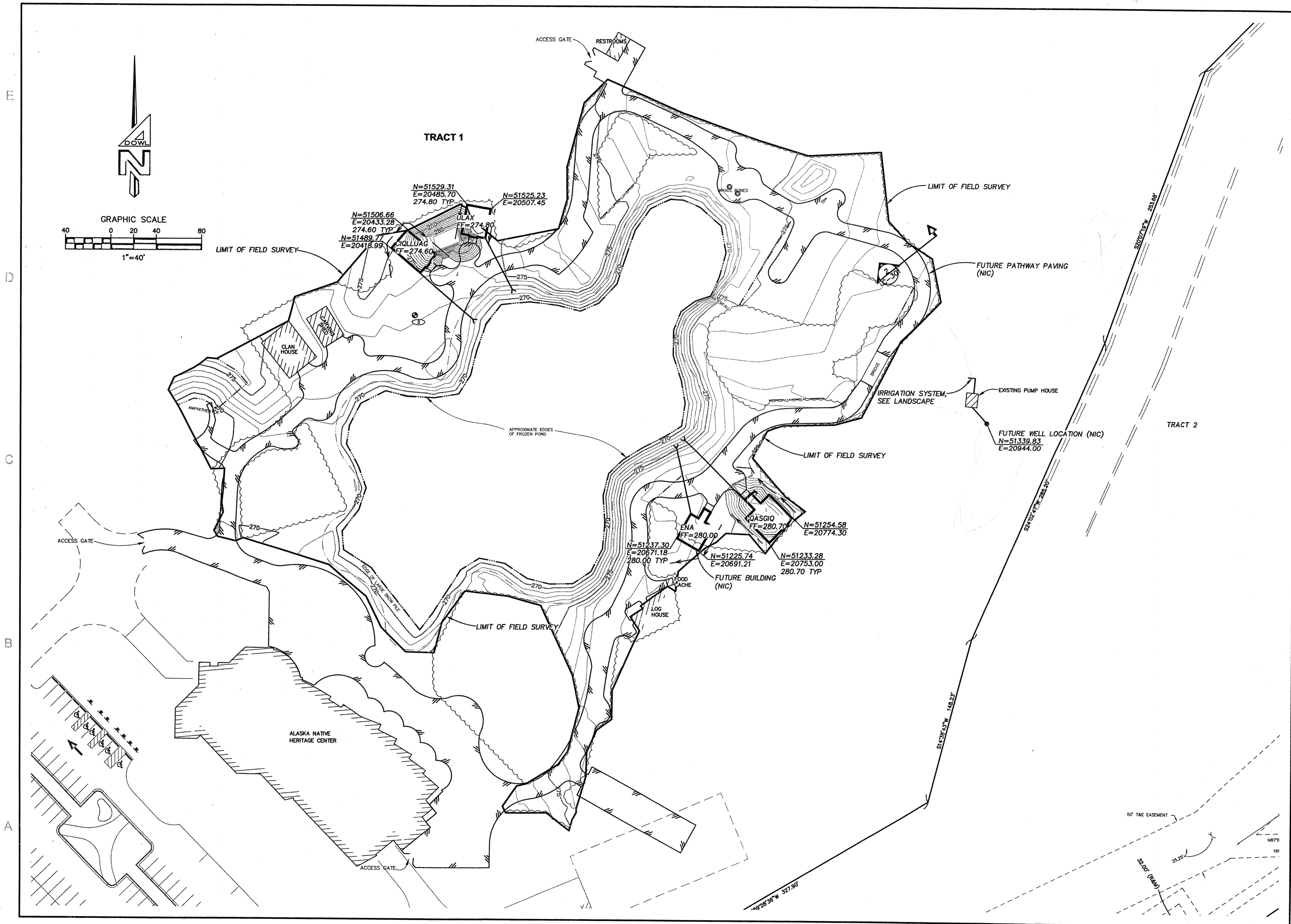


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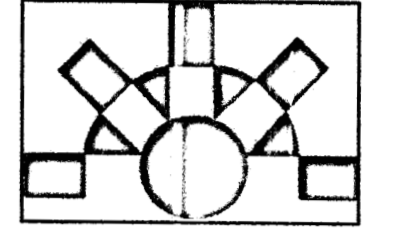
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CONDITIONS AND
DEMOLITION**
 SHEET NO.:
SHEET C-102



ANHC PHASE I
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DOWL
ENGINEERS
4040 B STREET ANCHORAGE, ALASKA 99503



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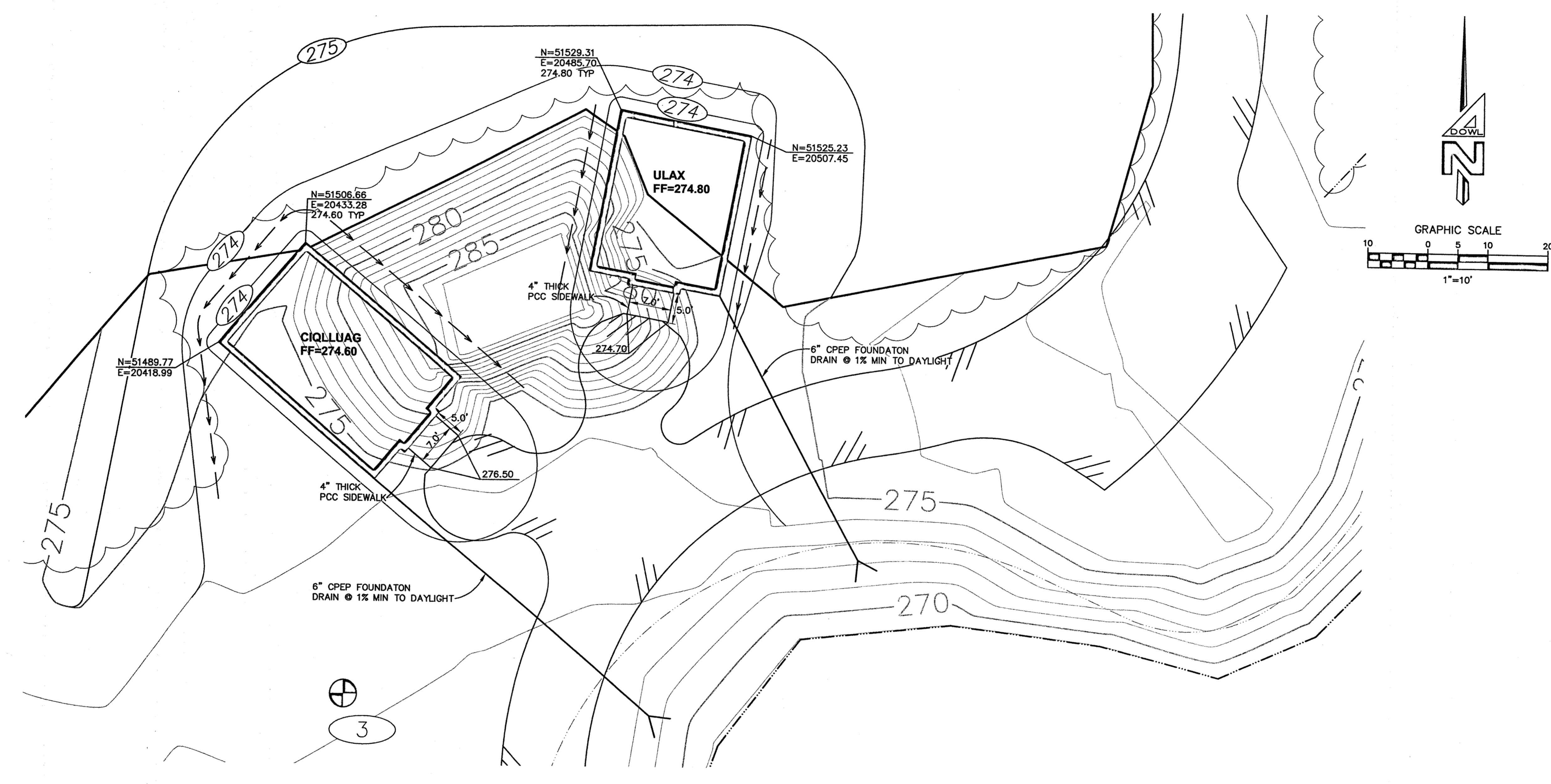
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SITE PLAN
SHEET NO.:
SHEET C-103

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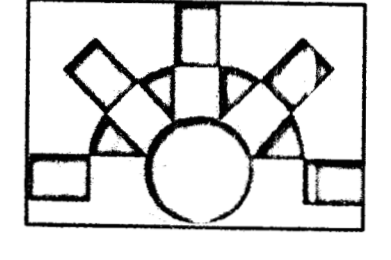
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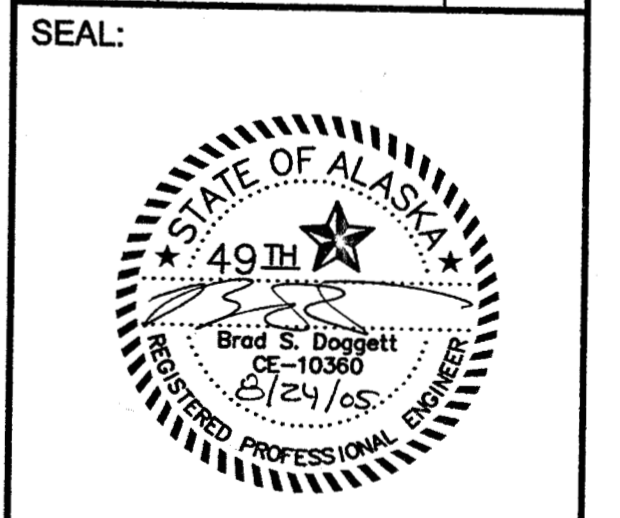
1
C-104 **CIQLLUAG HUT AND ULAX HUT GRADING PLAN**
 1"=10'

**ANHC PHASE I
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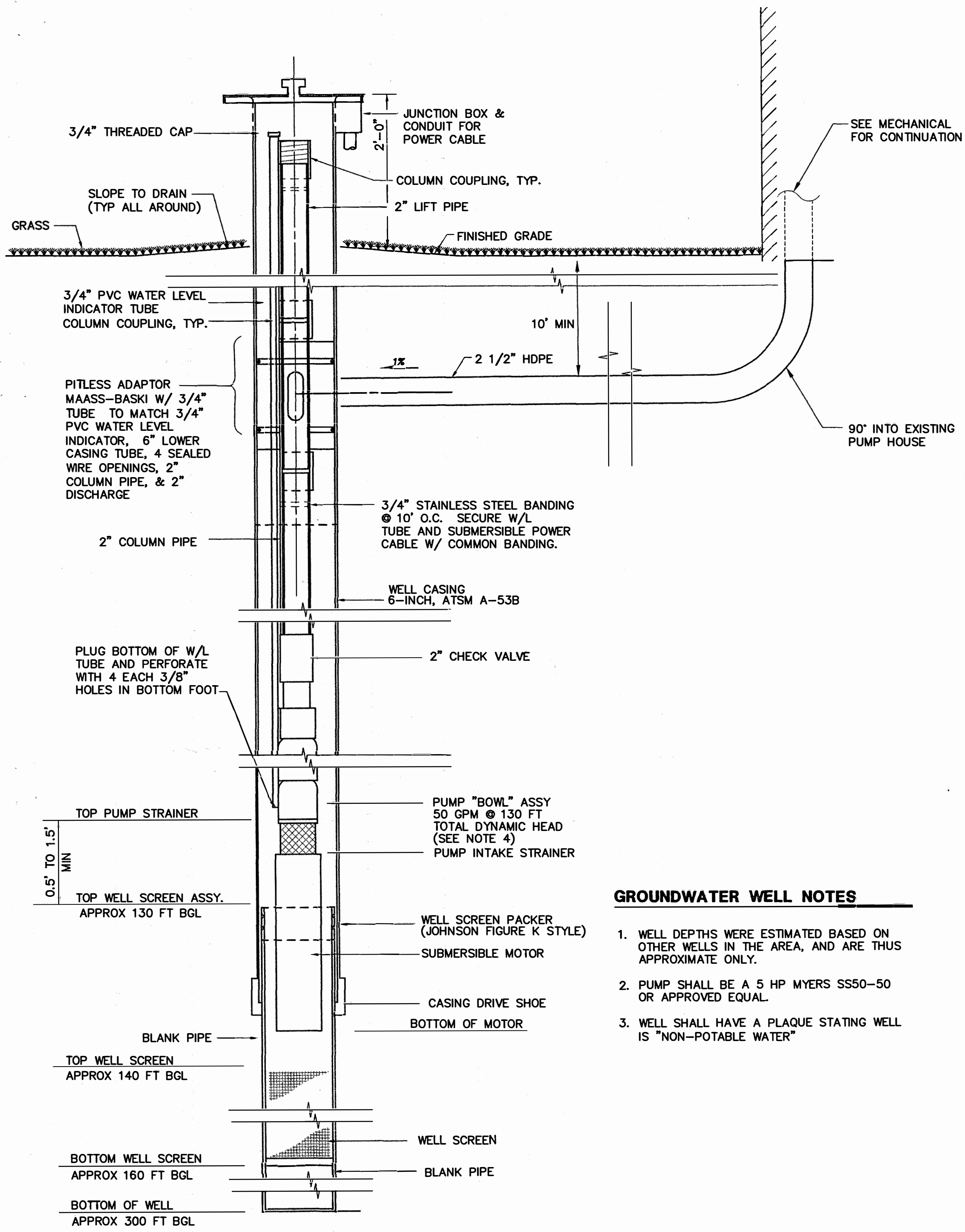


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**SITE
GRADING PLAN**
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SHEET C-104

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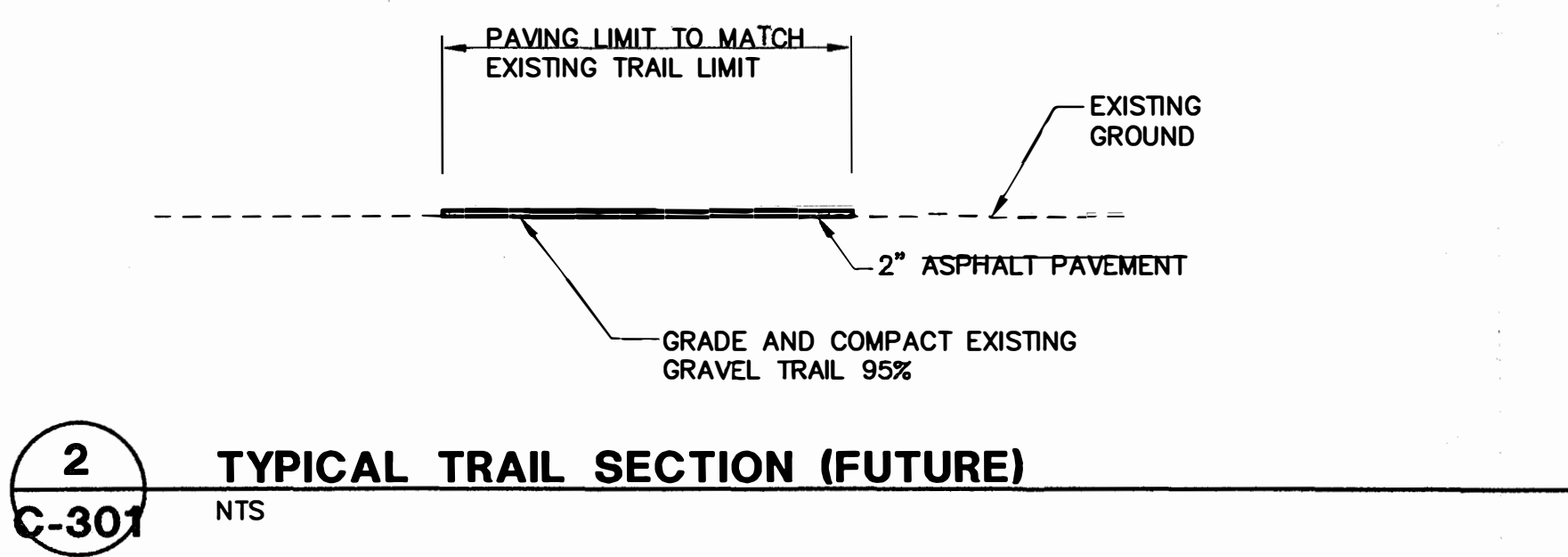
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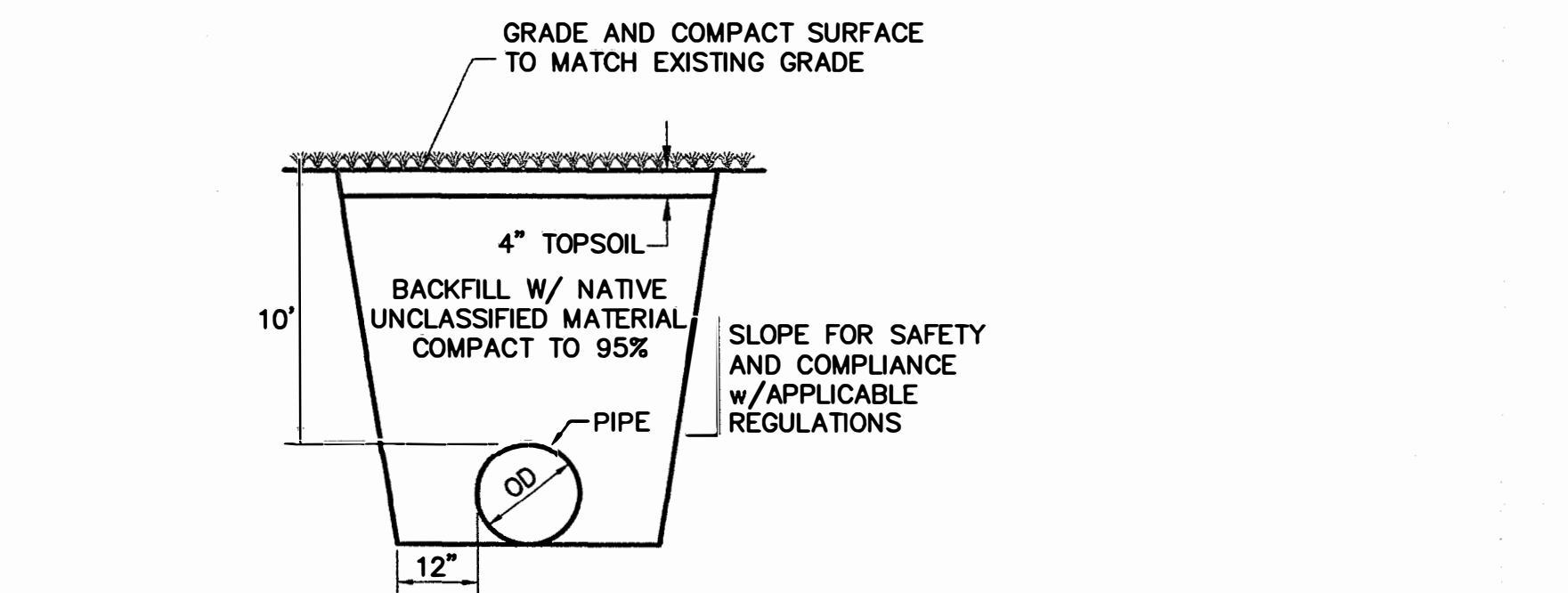
1 WELL SECTION (FUTURE)
C-301 NTS

GROUNDWATER WELL NOTES

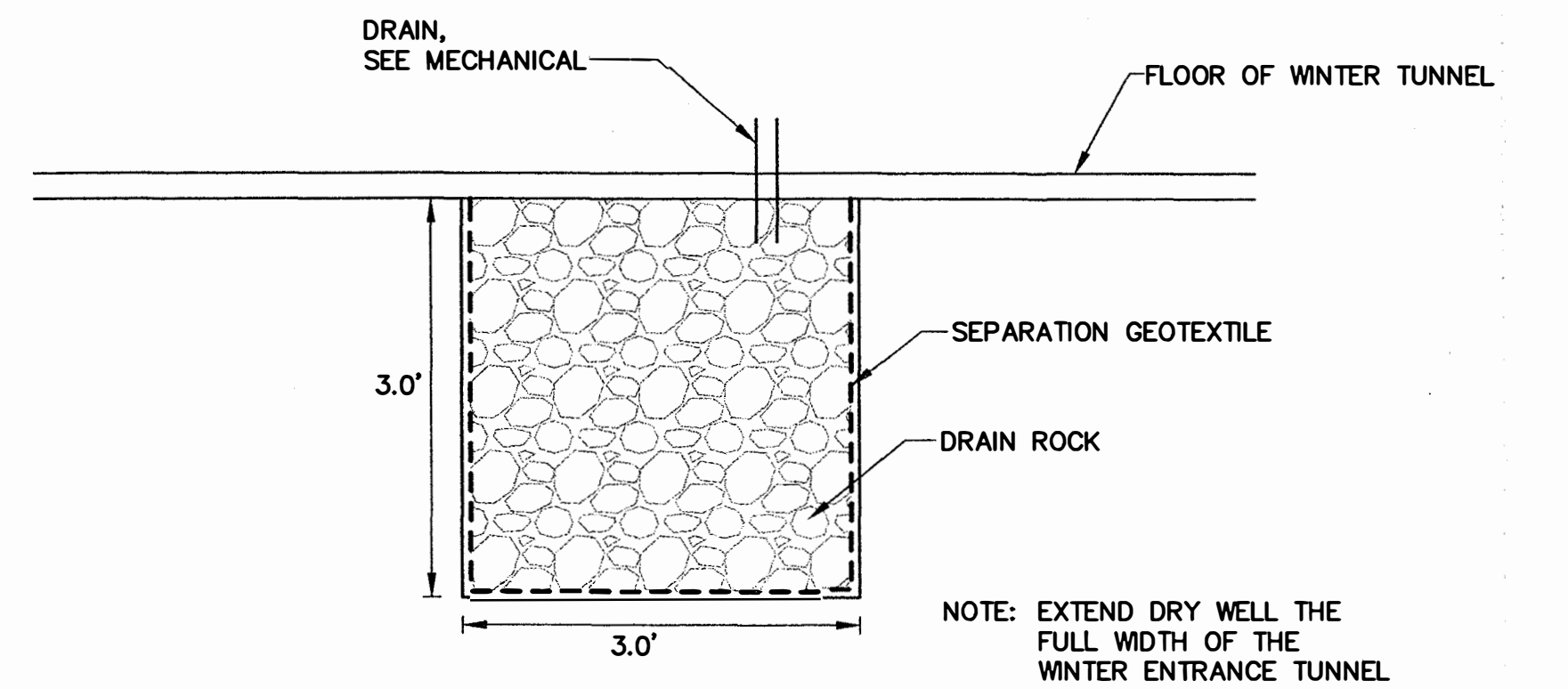
1. WELL DEPTHS WERE ESTIMATED BASED ON OTHER WELLS IN THE AREA, AND ARE THUS APPROXIMATE ONLY.
2. PUMP SHALL BE A 5 HP MYERS SS50-50 OR APPROVED EQUAL.
3. WELL SHALL HAVE A PLAQUE STATING WELL IS "NON-POTABLE WATER"



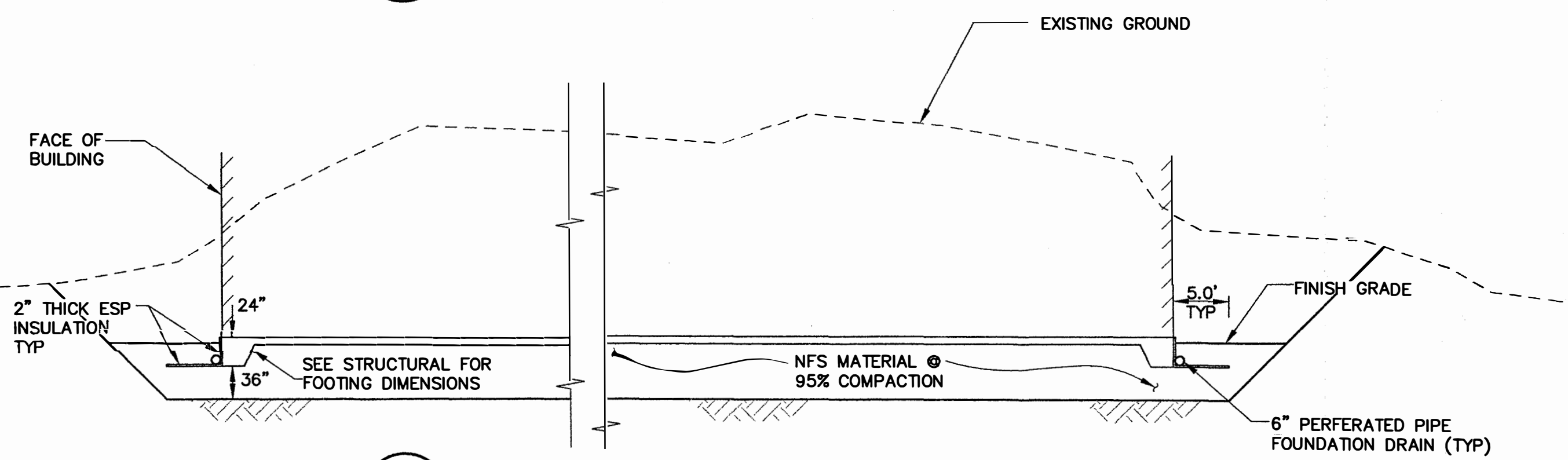
2 TYPICAL TRAIL SECTION (FUTURE)
C-301 NTS



3 TYPICAL WATER LINE TRENCH (FUTURE)
C-301 NTS

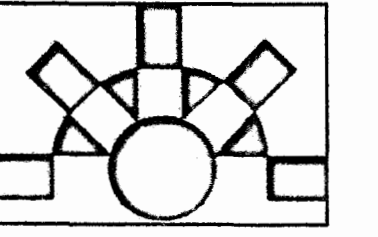


4 WINTER ENTRANCE DRAIN DRY WELL
C-301 NTS



5 TYPICAL BUILDING FOUNDATION
C-301 NTS

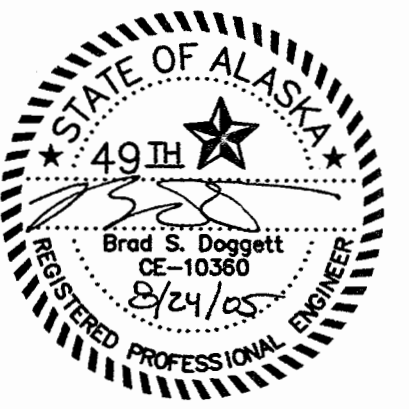
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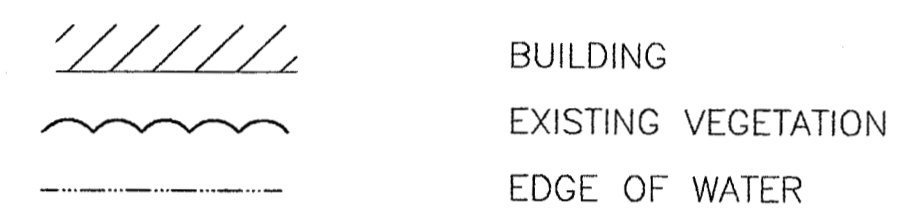
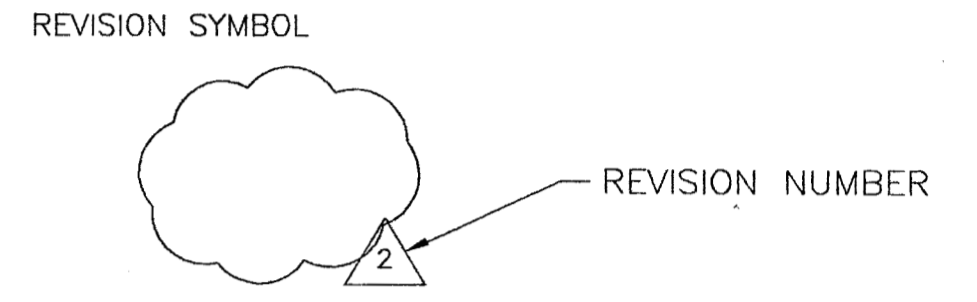
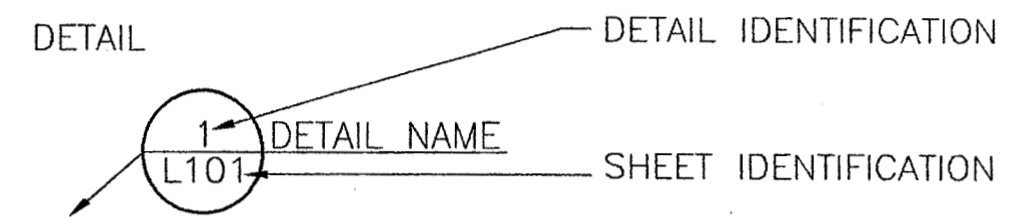


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**SECTIONS
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SHEET C-301

REFERENCE INDICATIONS

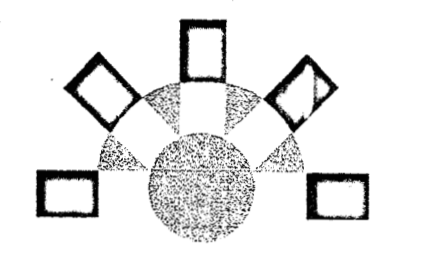


GENERAL NOTES:

1. THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE AS SHOWN ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNKNOWN UNDERGROUND UTILITIES.
2. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL OF THE NECESSARY PERMITS.
3. MAINTENANCE OF ON-SITE DRAINAGE DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND THE SECURITY OF STAKING DURING CONSTRUCTION. ANY RE-STAKING DUE TO VANDALISM WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR(S) SHALL KEEP A CURRENT, CLEAN, DRY SET OF THE RECORD DRAWINGS AND ANY AMENDMENTS TO IT AND A SET OF TECHNICAL SPECIFICATIONS ON-SITE AT ALL TIMES. CONTRACTOR(S) SHALL REDLINE ACTUAL LOCATIONS AND DIMENSIONS FOR VERTICAL AND HORIZONTAL LOCATIONS OR PROPOSED CONSTRUCTION, UTILITIES, STRUCTURES, SERVICES AND OTHER DETAILS NOT SHOWN ON THE ORIGINAL DRAWINGS. UPON COMPLETION OF THE WORK, THE CONTRACTOR(S) SHALL SUBMIT RECORD DRAWINGS TO THE CO.
6. IF A CONFLICT EXISTS AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE CONSULTING ENGINEER TO MODIFY THE DESIGN AND OBTAIN APPROVAL FROM THE CO PRIOR TO BEGINNING CONSTRUCTION.

NOTE:
ADDITIONAL ABBREVIATIONS, SYMBOLS AND INDICATORS MAY APPEAR IN THESE DRAWINGS. REFER TO APPROPRIATE SHEETS FOR IDENTIFICATION AND CLARIFICATION. THIS SHEET APPLIES TO LANDSCAPE SERIES DRAWINGS ONLY.

ANHC PHASE I
SITE
IMPROVEMENTS



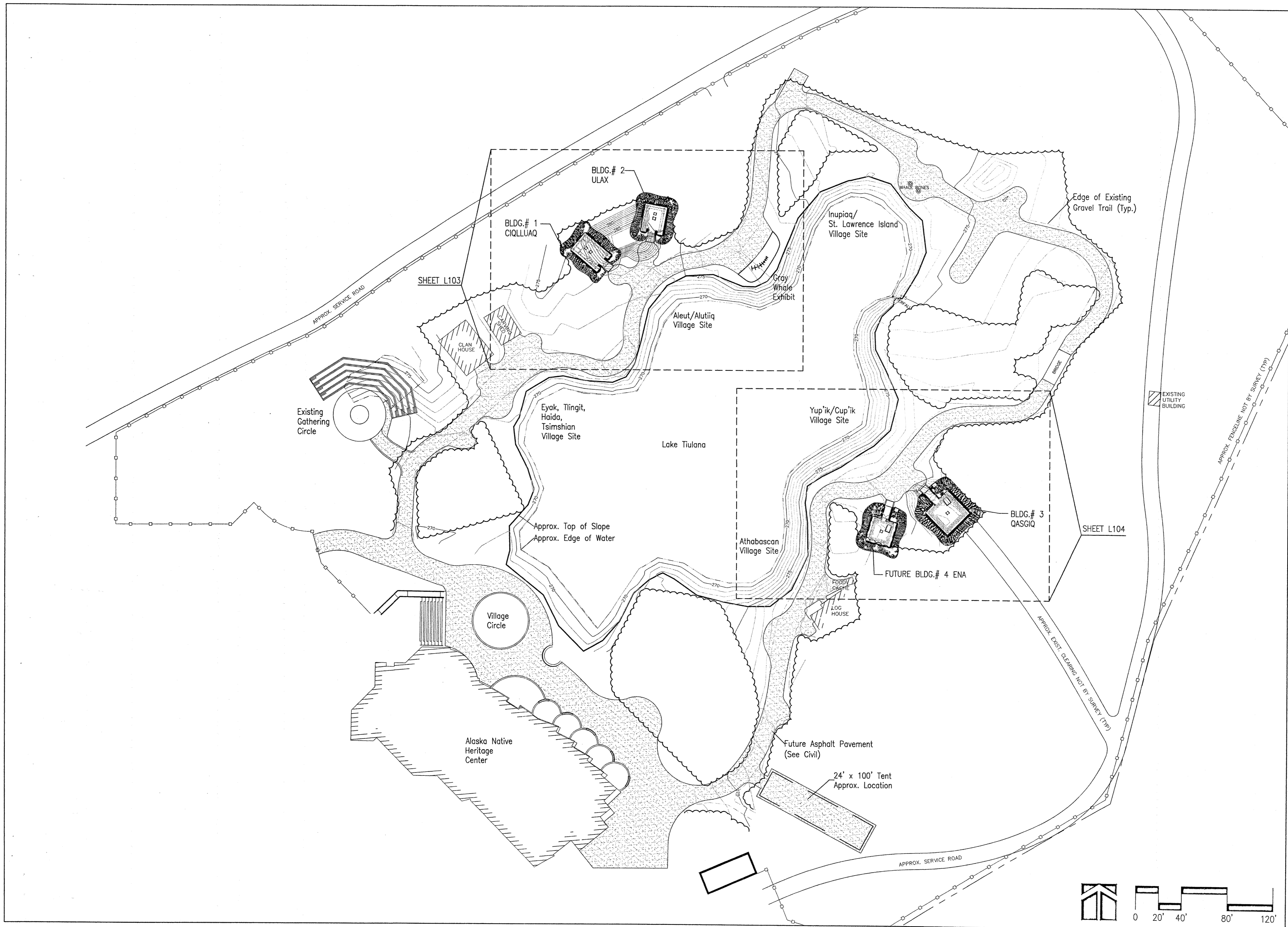
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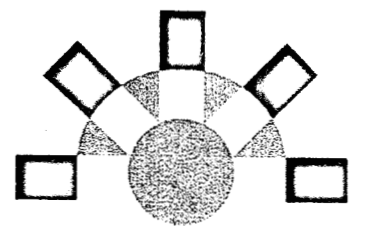
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DATE: 08-24-05
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DRAWN BY: TT
CHECKED BY: MK
DRAWING TITLE:
**SYMBOLS &
NOTES**

SHEET NO.:
L-101



ANHC PHASE I
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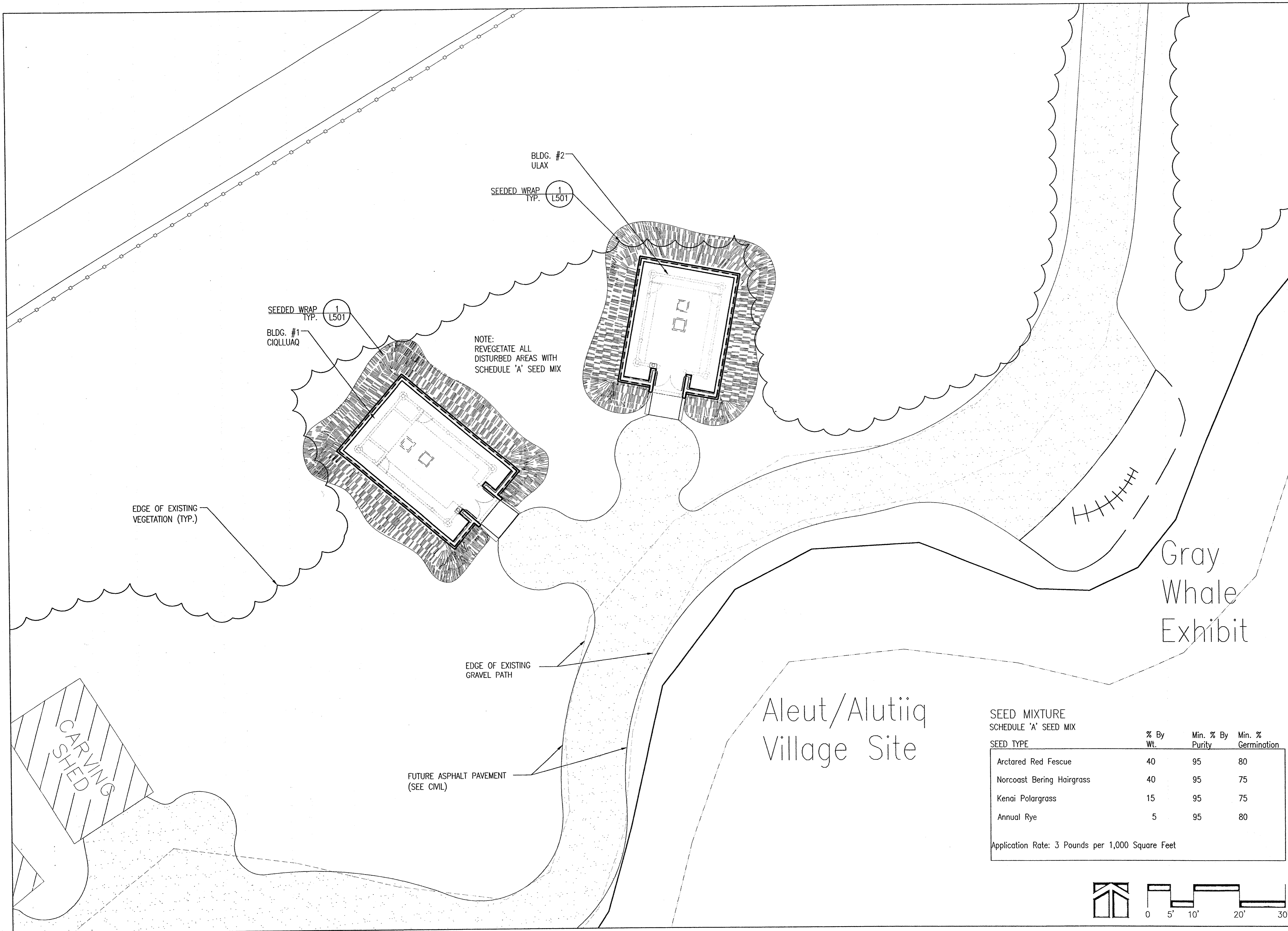


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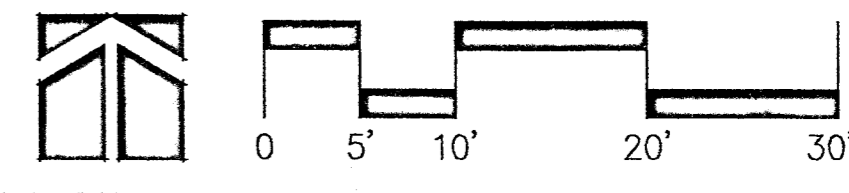
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 JOB NO.: ANH0505
 DRAWN BY: TT
 CHECKED BY: MK
 DRAWING TITLE:
**OVERALL
 SITE
 PLAN**
 SHEET NO.:
L-102



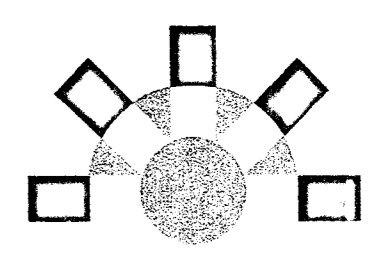
SEED MIXTURE
SCHEDULE 'A' SEED MIX

| SEED TYPE | % By Wt. | Min. % By Purity | Min. % Germination |
|---------------------------|----------|------------------|--------------------|
| Arctared Red Fescue | 40 | 95 | 80 |
| Norcoast Bering Hairgrass | 40 | 95 | 75 |
| Kenai Polargrass | 15 | 95 | 75 |
| Annual Rye | 5 | 95 | 80 |

Application Rate: 3 Pounds per 1,000 Square Feet



ANHC PHASE I
SITE
IMPROVEMENTS



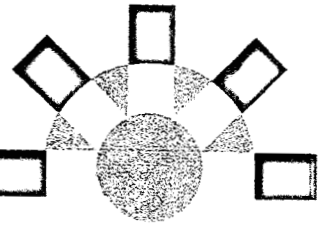
FOOTING
&
FOUNDATION
PERMIT
SUBMITTAL

| REV. | COMMENT | DATE |
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SEAL:

DATE: 08-24-05
 JOB NO.: ANH0505
 DRAWN BY: TT
 CHECKED BY: MK
 DRAWING TITLE:
**CIQLLUAQ/ULAX
 LANDSCAPE
 PLAN**
 SHEET NO.:
L-103

ANHC PHASE I
SITE
IMPROVEMENTS

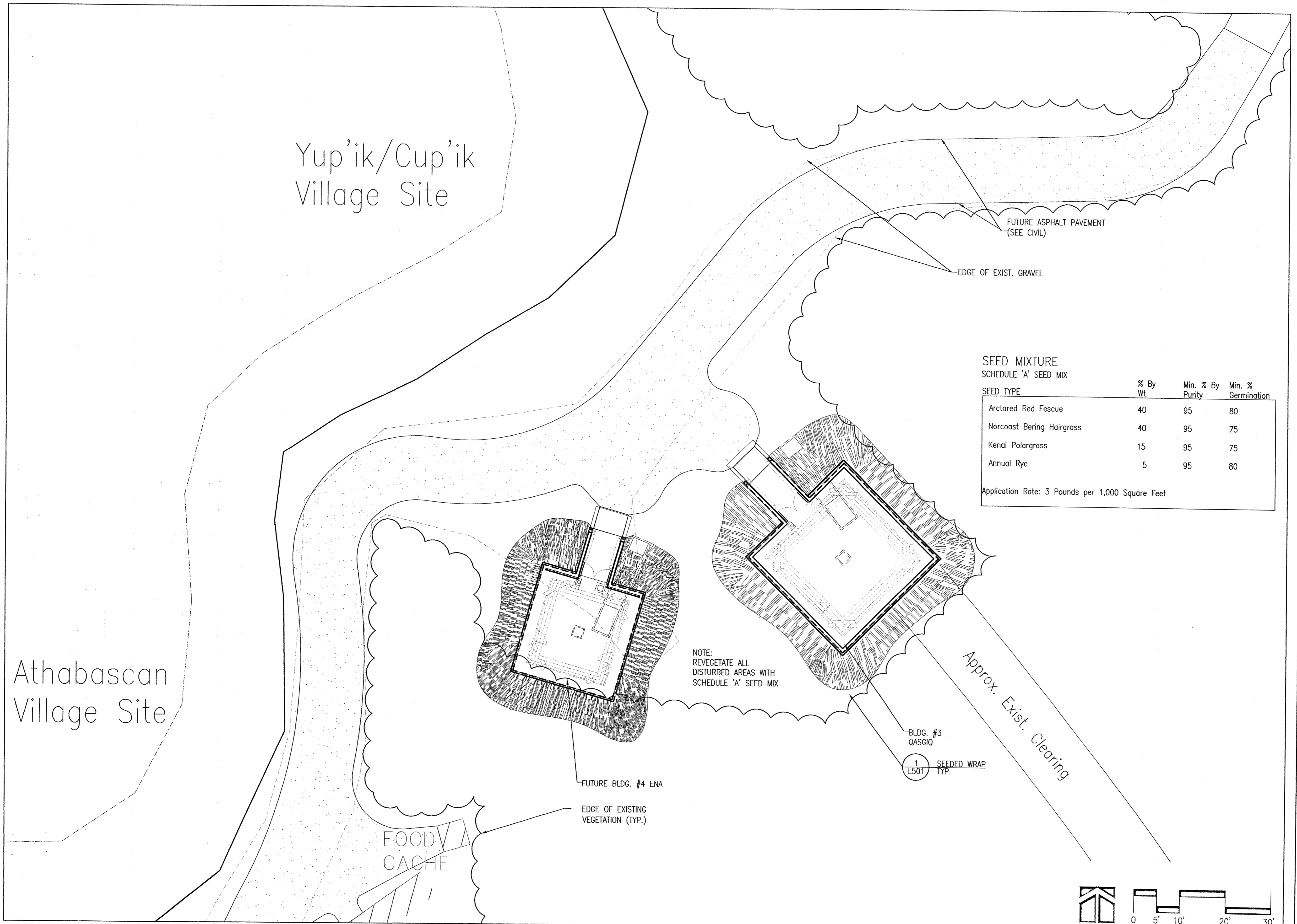


FOOTING
&
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SEAL:

DATE: 08-24-05
JOB NO.: ANH0505
DRAWN BY: TT
CHECKED BY: MK
DRAWING TITLE:
**QASGIQ/ENA
LANDSCAPE
PLAN**
SHEET NO.:
L-104



Yup'ik/Cup'ik
Village Site

Athabascan
Village Site

FOOD
CACHE

FUTURE BLDG. #4 ENA

EDGE OF EXISTING
VEGETATION (TYP.)

BLDG. #3
QASGIQ

1
L501 SEEDED WRAP
TYP.

Approx. Exist. Clearing

FUTURE ASPHALT PAVEMENT
(SEE CIVIL)

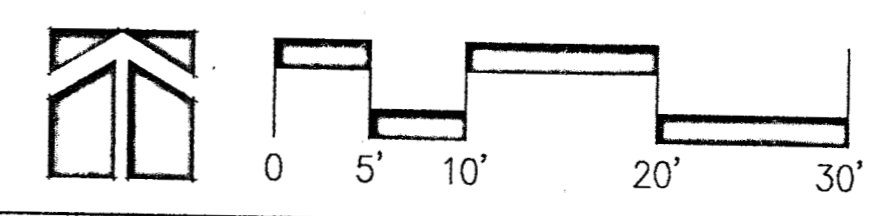
EDGE OF EXIST. GRAVEL

SEED MIXTURE
SCHEDULE 'A' SEED MIX

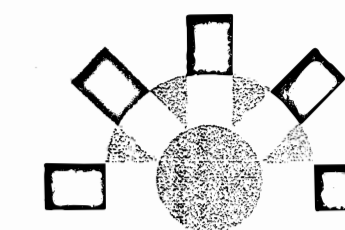
| SEED TYPE | % By Wt. | Min. % By Purity | Min. % Germination |
|---------------------------|----------|------------------|--------------------|
| Arctared Red Fescue | 40 | 95 | 80 |
| Norcoast Bering Hairgrass | 40 | 95 | 75 |
| Kenai Polargrass | 15 | 95 | 75 |
| Annual Rye | 5 | 95 | 80 |

Application Rate: 3 Pounds per 1,000 Square Feet

NOTE:
REVEGETATE ALL
DISTURBED AREAS WITH
SCHEDULE 'A' SEED MIX



ANHC PHASE I
SITE
IMPROVEMENTS



FOOTING
&
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PERMIT
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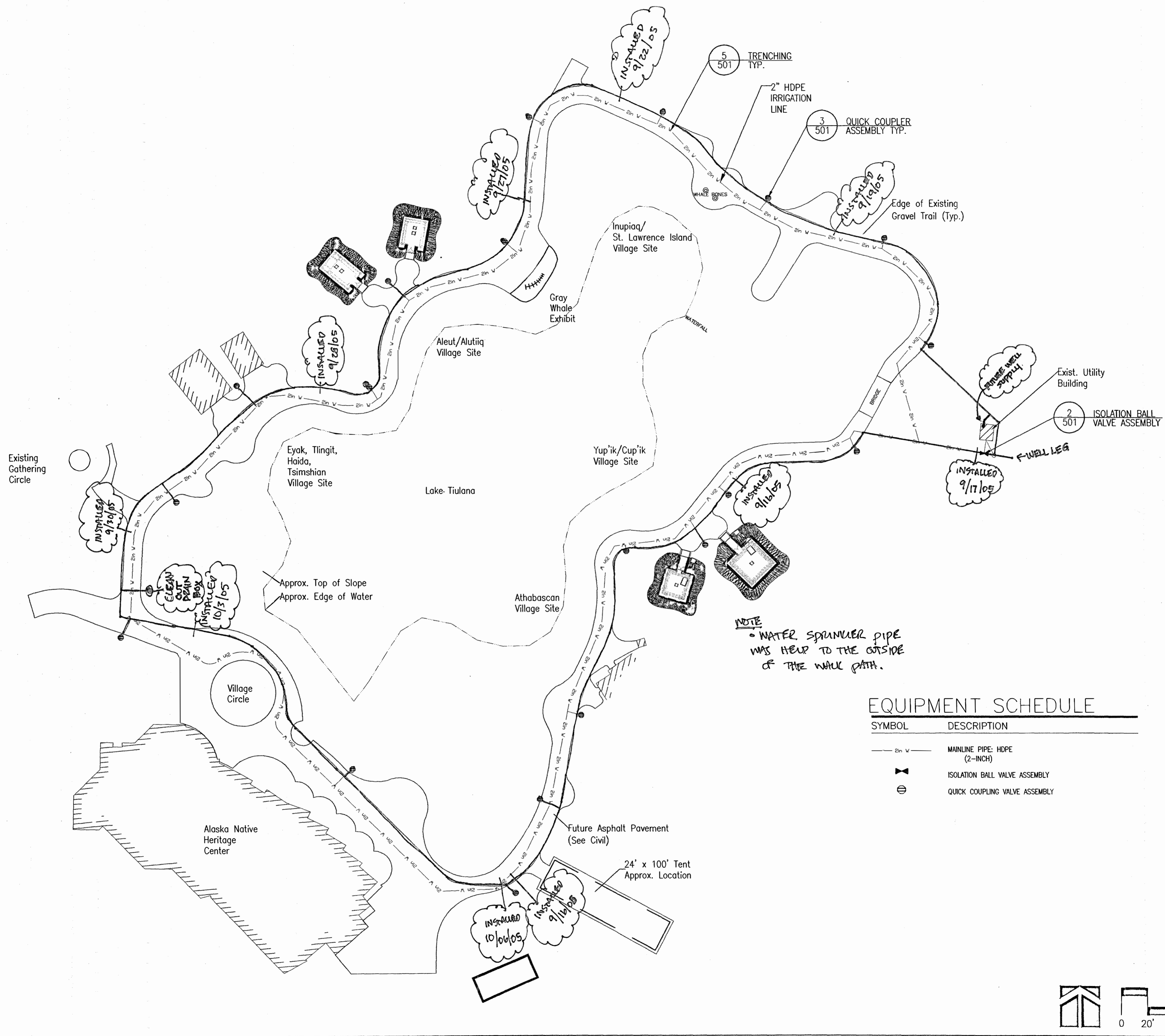
SEAL:

DATE: 08-24-05
JOB NO.: ANH0505
DRAWN BY: TT
CHECKED BY: MK
DRAWING TITLE:
**IRRIGATION
PLAN**

SHEET NO.:
L-105

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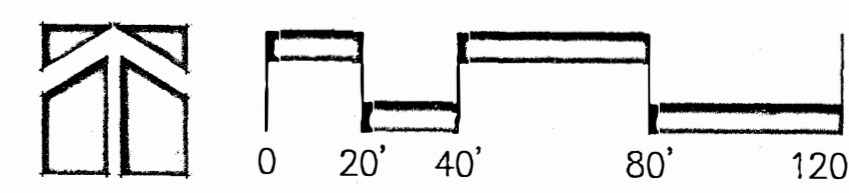
PERMITTING DOCUMENTS



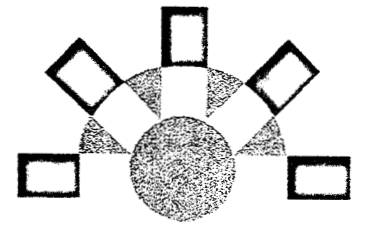
NOTE
• WATER SPANNER PIPE
WAS HEUP TO THE OUTSIDE
OF THE WALK PATH.

EQUIPMENT SCHEDULE

| SYMBOL | DESCRIPTION |
|-----------|-------------------------------|
| — 2in V — | MAINLINE PIPE: HDPE (2-INCH) |
| ⊘ | ISOLATION BALL VALVE ASSEMBLY |
| ⊕ | QUICK COUPLING VALVE ASSEMBLY |



ANHC PHASE I
SITE
IMPROVEMENTS



FOOTING
&
FOUNDATION
PERMIT
SUBMITTAL

| REV. | COMMENT | DATE |
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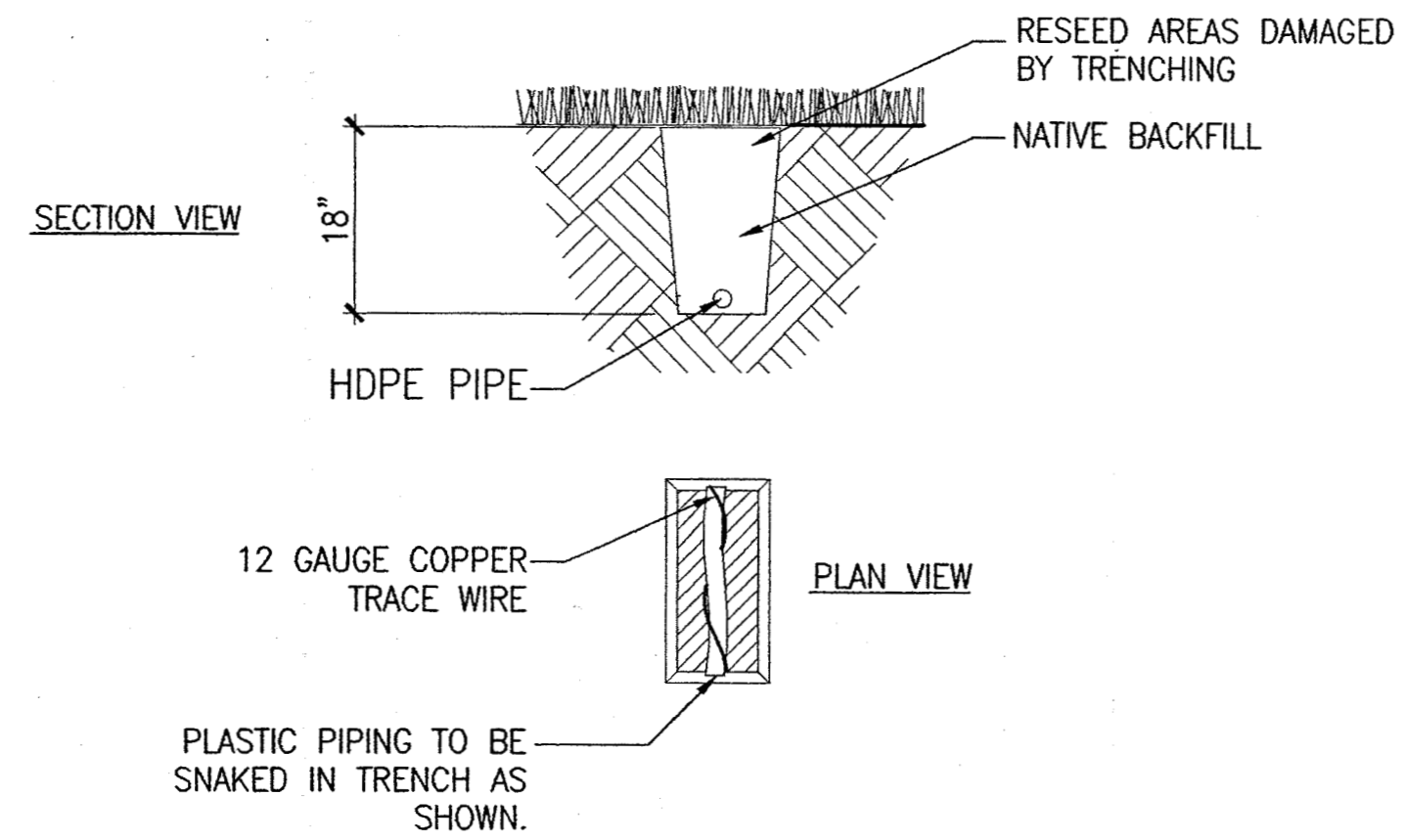
SEAL:

DATE: 08-24-05
JOB NO.: ANH0505
DRAWN BY: TT
CHECKED BY: MK
DRAWING TITLE:
**LANDSCAPE
DETAILS**

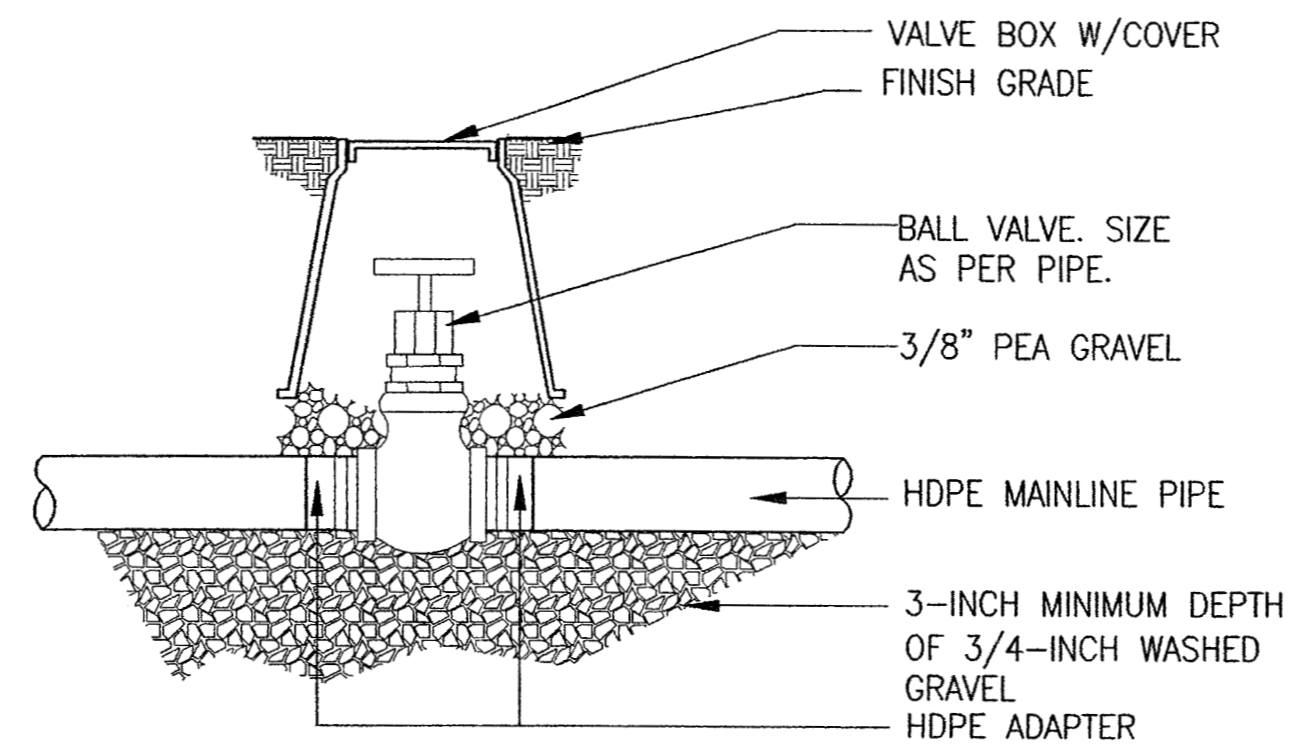
SHEET NO.:
L-501

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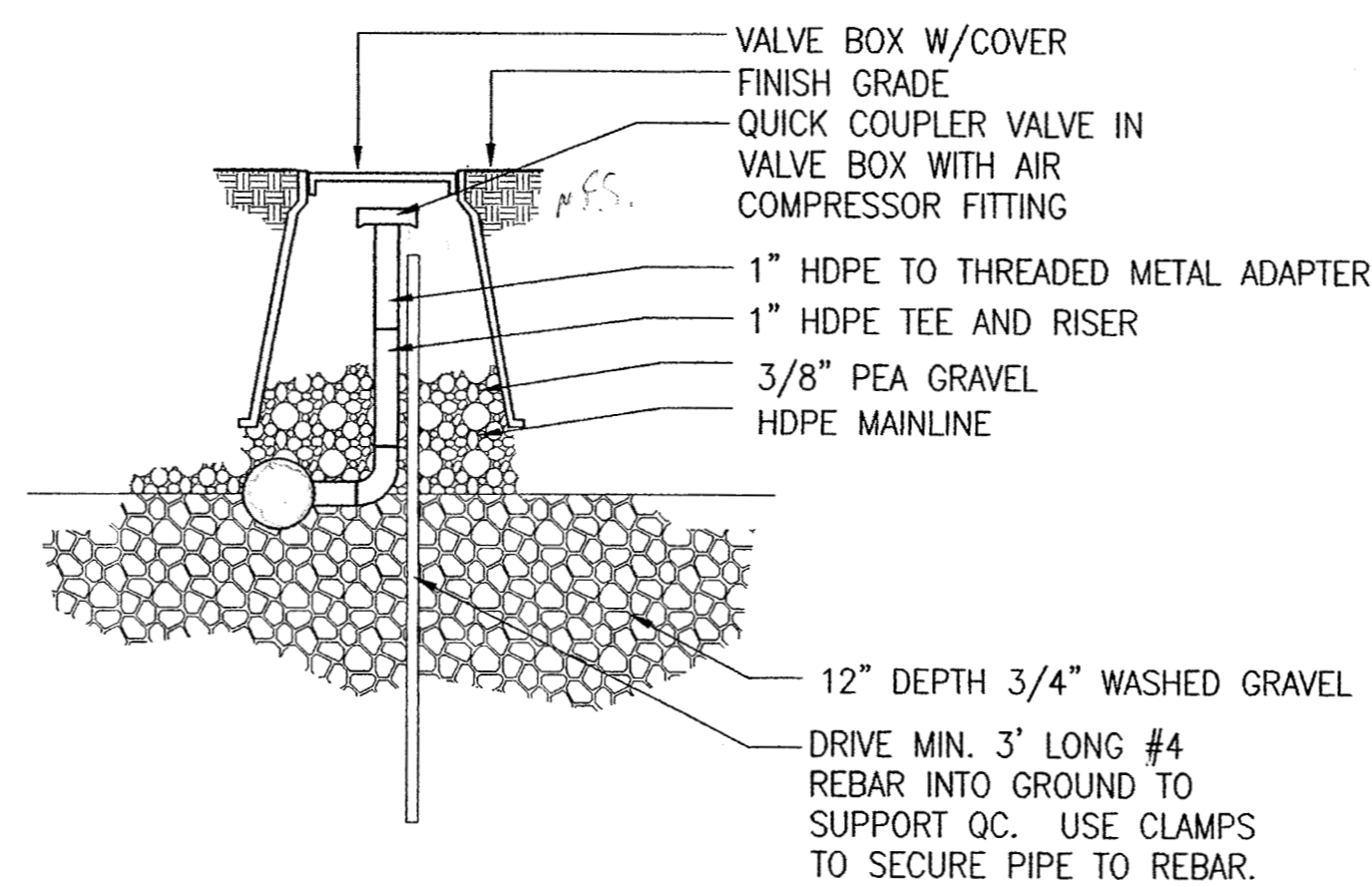
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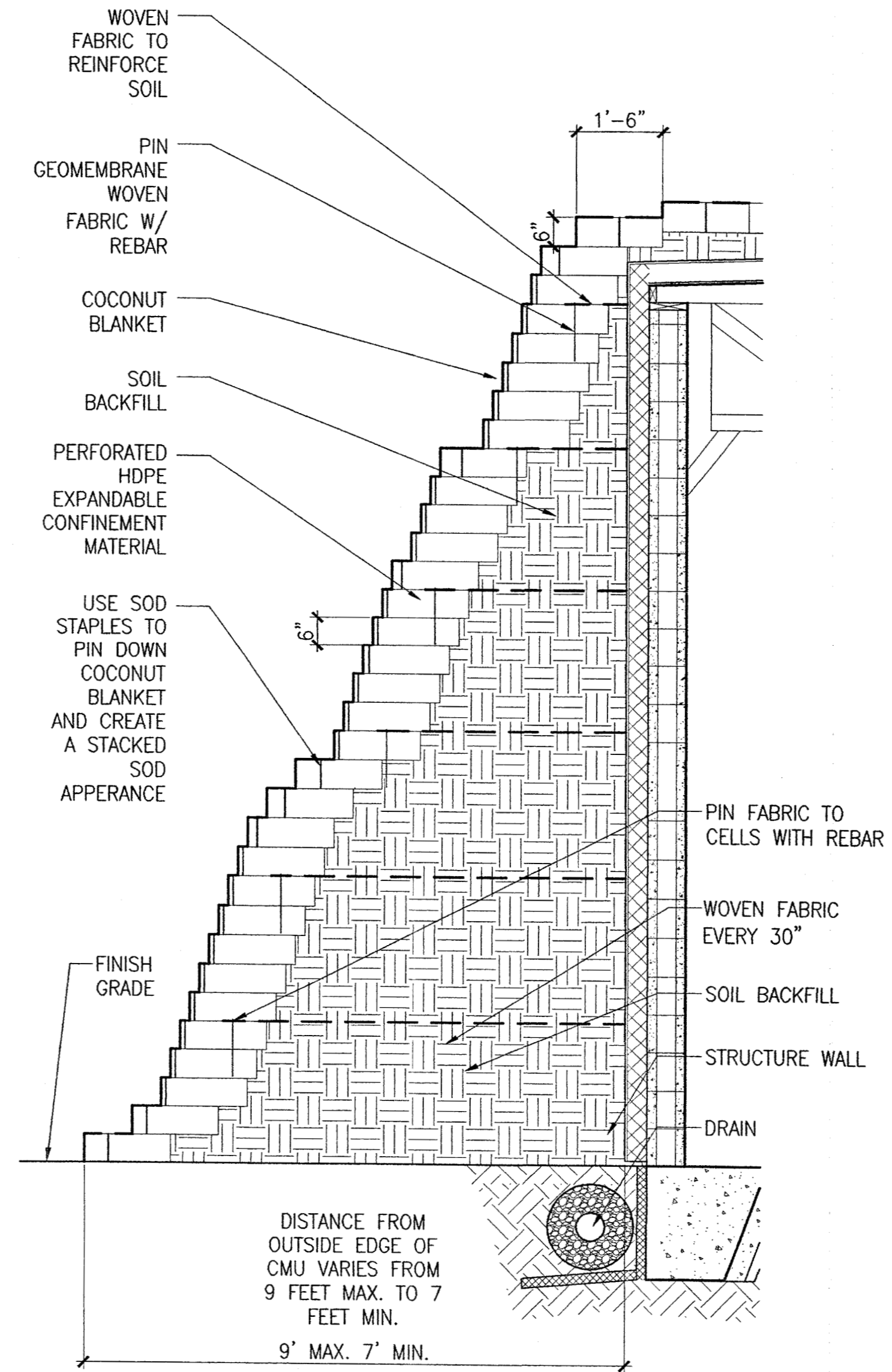
4 TRENCHING
L501 SCALE: 1"=1'-0" dt--trench.dwg



2 ISOLATION BALL VALVE ASSEMBLY
L501 SCALE: 1-1/2"=1'-0" dt--valv-gate-iso.dwg



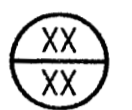


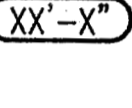

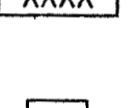
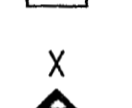



3 QUICK COUPLER ASSEMBLY
L501 SCALE: 1-1/2"=1'-0" dt--coup-qck.dwg



1 SEEDED WRAP
L501 SCALE: NTS dt--seed-wrap.dwg

Drawing Conventions:

-  — BUILDING SECTIONS
-  — EXTERIOR ELEVATIONS
-  — DETAILS
-  — GRID LINES
-  — PARTITION TYPE
-  — CEILING HEIGHT
-  — DOOR TAG
-  — ROOM NAME TAG
-  — INTERIOR ELEVATION TAG
-  — INTERIOR ELEVATIONS

APPROVED
 BY Ross Noffsinger
 DATE 10-10-05

APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED, MODIFIED, OR ALTERED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL, AND ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPROVED PLANS.

THIS SET OF PLANS SHALL BE KEPT ON SUCH BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS.

MUNICIPAL BUILDING CODE

Validity: "The issuance or granting of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this Code. No permit presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which it authorizes is lawful."

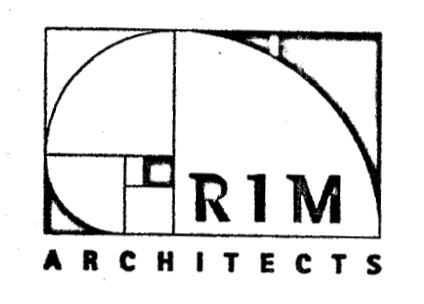
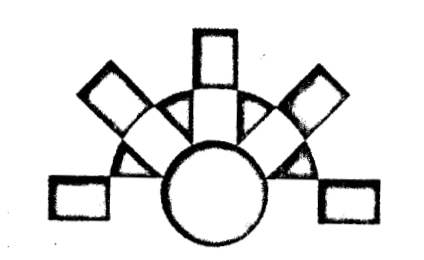
"The issuance of a permit based upon plans and specifications shall not prevent the Building Official from thereafter requiring the correction of errors in said plans and specifications or from preventing building operations being carried on thereunder when in violation of this Code or of any other ordinance of the municipality."

- DIMENSIONAL HIERARCHY:**
- A. AS SPECIFICALLY NOTED
 - B. BUILDING GRIDLINES
 - C. FACE OF CONCRETE OR MASONRY
 - D. FACE OF METAL STUDS
 - E. TOP OF ASPHALTIC CONCRETE PAVING
 - F. FACE OF FINISH MATERIALS

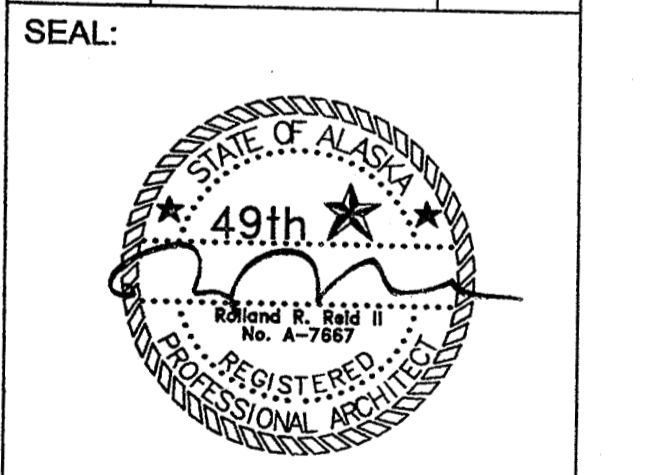
ABBREVIATIONS

| | | | | | |
|----------|-------------------------|-----------|---------------------------|----------|--------------------------------------|
| △ | Addendum | EXT. | Exterior | N.T.S. | Not to Scale |
| & | And | EXTR. | Extruded | O.C. | On Center |
| ∠ | Angle | X HVY. | Extra Heavy | OFF. | Office |
| @ | At | X STR. | Extra Strong | O.H. | Overhead |
| C | Centerline | F.B. | Flat Bar | OPNG. | Opening |
| Ø | Diameter or Round | F.D. | Floor Drain | OPP. | Opposite |
| # | Pound or Number | FDN. | Foundation | O.R.D. | Overflow Roof Drain |
| | | F.E. | Fire Extinguisher | O.S.C.I. | Owner Supplier, Contractor Installed |
| A.C.T. | Acoustical Ceiling Tile | F.E.C. | Fire Extinguisher Cabinet | PART. | Partition |
| ACT | Actual | F.H.C. | Fire Hose Cabinet | PL | Plate |
| ACOUS. | Acoustical | FIN. | Finish | PL | Plastic Laminate |
| ADD. | Addition | FIN.FL. | Finish Floor | PLASH. | Plaster |
| ALT. | Alternate | FLR. | Floor | PLYWD. | Plywood |
| APPROX. | Approximate | FLUOR. | Fluorescent | PR. | Pair |
| ARCH. | Architectural | F.O.B. | Face of Block | PREFAB. | Prefabricated |
| ASB. | Asbestos | F.O.BLDG. | Face of Building | PROJ. | Project |
| AUTO.DR. | Automatic Door | F.O.F. | Face of Finish | PT. | Point |
| AVG. | Average | F.O.S. | Face of Stud | P.T.D. | Paper Towel Dispenser |
| | | F.O. | Face of | R | Riser |
| BLDG. | Building | FRPF | Fireproofing | RAD. | Radius |
| BLK. | Block | FRT | Fire-Retardent Treated | R.D. | Roof Drain |
| BLKG. | Blocking | F.S. | Full Size | REF. | Reference |
| B.M. | Bench Mark | FT. | Foot or Feet | REFR. | Refrigerator |
| BM. | Beam | FTG. | Footing | REINF. | Reinforcement |
| B.O. | Bottom of | FURR. | Furring | REQ. | Required |
| BOTT. | Bottom | FUT. | Future | RESIL. | Resilient |
| B.S. | Both Sides | GA. | Gauge | R.H. | Right Hand |
| B.T.U. | British Thermal Unit | GAL. | Gallon | R.L. | Rail Leader |
| B.U.R. | Built-up Roof | GALV. | Galvanized | RM. | Room |
| CABT. | Cabinet | G.B. | Grab Bar | R.O. | Rough Opening |
| C.B. | Catch Basin | G.I. | Galvanized Iron | R.O.W. | Right of Way |
| C. TO C. | Center to Center | GL. | Glass | S | South |
| CEM. | Cement | G.W.B. | Gypsum Wall Board | SAN. | Sanitary |
| CER. | Ceramic | GYM. | Gymnasium | S.C. | Solid Core |
| CH.B. | Chalk Board | GYP. | Gypsum | SCHED. | Schedule |
| C.I. | Cast Iron | H.B. | Hose Bib | SD. | Side |
| C.I.P. | Cast Iron Pipe | H.C. | Hollow Core | SDG. | Siding |
| CIRC. | Circular | HD. | Hand | SECT. | Section |
| CLG. | Ceiling | HDWD. | Hardwood | SHEATH. | Sheathing |
| CLKG. | Caulking | HDWR. | Hardware | SHT. | Sheet |
| CLOS. | Closet | H.M. | Hollow Metal | SHWR. | Shower |
| CLR. | Clear | H.M.F. | Hollow Metal Frame | SIM. | Similar |
| C.M.P. | Corrugated Metal Pipe | HORIZ. | Horizontal | SPEC. | Specifications |
| C.M.U. | Concrete Masonry Unit | H.P. | High Point | SPL. | Special |
| COL. | Column | HR. | Hour | SQ. | Square |
| COMP. | Composition | HT. | Height | S.S. | Sanitary Sewer |
| CONC. | Concrete | H.W. | Hot Water | S.S.T. | Stainless Steel |
| CONN. | Connection | HWY. | Highway | STA. | Station |
| CONSTR. | Construction | | | STD. | Standard |
| CONT. | Continuous | I.D. | Inside Diameter | STL. | Steel |
| CORR. | Corridor | () IN. | Inches | STOR. | Storage |
| CP | Center Point | INSUL. | Insulation | STRUCT. | Structural |
| C.R. | Cold Rolled | INT. | Interior | STS. | Storm Sewer |
| C.R.C. | Cold Rolled Channel | JAN. | Janitor | SUR. | Surface |
| C.T. | Ceramic Tile | JT. | Joint | SUSP. | Suspended |
| CSK. | Countersunk | KIT. | Kitchen | SYM. | Symmetrical |
| CTD. | Coated | | | T.B. | Towel Bar |
| CTR. | Center | LAB. | Laboratory | T.BD. | Tack Board |
| CVR'G. | Covering | LAM. | Laminated | T.C. | Top of Curb |
| CS | Sealed Concrete | LAV. | Lavatory | TEL. | Telephone |
| DBL. | Double | LB | Pound | TEMP. | Temporary |
| DEPT. | Department | LH | Left Hand | TERR. | Terrazzo |
| D.F. | Drinking Fountain | LG. | Long or Length | T.&G. | Tongue and Groove |
| DET. | Detail | L.L. | Live Load | THK. | Thick |
| DIA. | Diameter | L.P. | Low Point | THRU | Through |
| DIAG. | Diagonal | LKRS. | Lockers | T.O. | Top of |
| DIM. | Dimension | | | T.O.S. | Top of Steel |
| DISP. | Dispenser | MAT'L | Material | T.V. | Television |
| D.L. | Dead Load | MAX. | Maximum | TY.P. | Typical |
| DN. | Down | M.C. | Medicine Cabinet | U.L. | Underwriters Laboratories |
| DS | Downspout | MECH. | Mechanical | UNFIN. | Unfinished |
| DWG. | Drawings | MEMB. | Membrane | UN.O. | Unless Otherwise Noted |
| E | East | MET. | Metal | V.T. | Vinyl Tie |
| EA. | Each | MFR. | Manufacturer | V.B. | Vapor Barrier |
| ELEV. | Elevation | MH | Manhole | VERT. | Vertical |
| | | MIN. | Minimum or Minute | VEST. | Vestibule |
| ELECTR. | Electrical | MISC. | Miscellaneous | V.I.F. | Verify In Field |
| ENCL. | Enclosure | M.O. | Masonry Opening | W | West |
| EQ. | Equal | MULL. | Mullion | W/ | With |
| EQPT. | Equipment | N | North | W.C. | Water Closet |
| EQUIP. | Each Side | N.I.C. | Not in Contract | W/O | Without |
| E.S. | Existing | NO. | Number | W.P. | Waterproof |
| EXIST. | Existing | | | WT. | Weight |
| EXP. | Expansion | | | WTH. | Width |
| EXP.AGG. | Exposed Aggregate | | | | |
| EXP.JT. | Expansion Joint | | | | |

**ANHC PHASE I
SITE
IMPROVEMENTS**

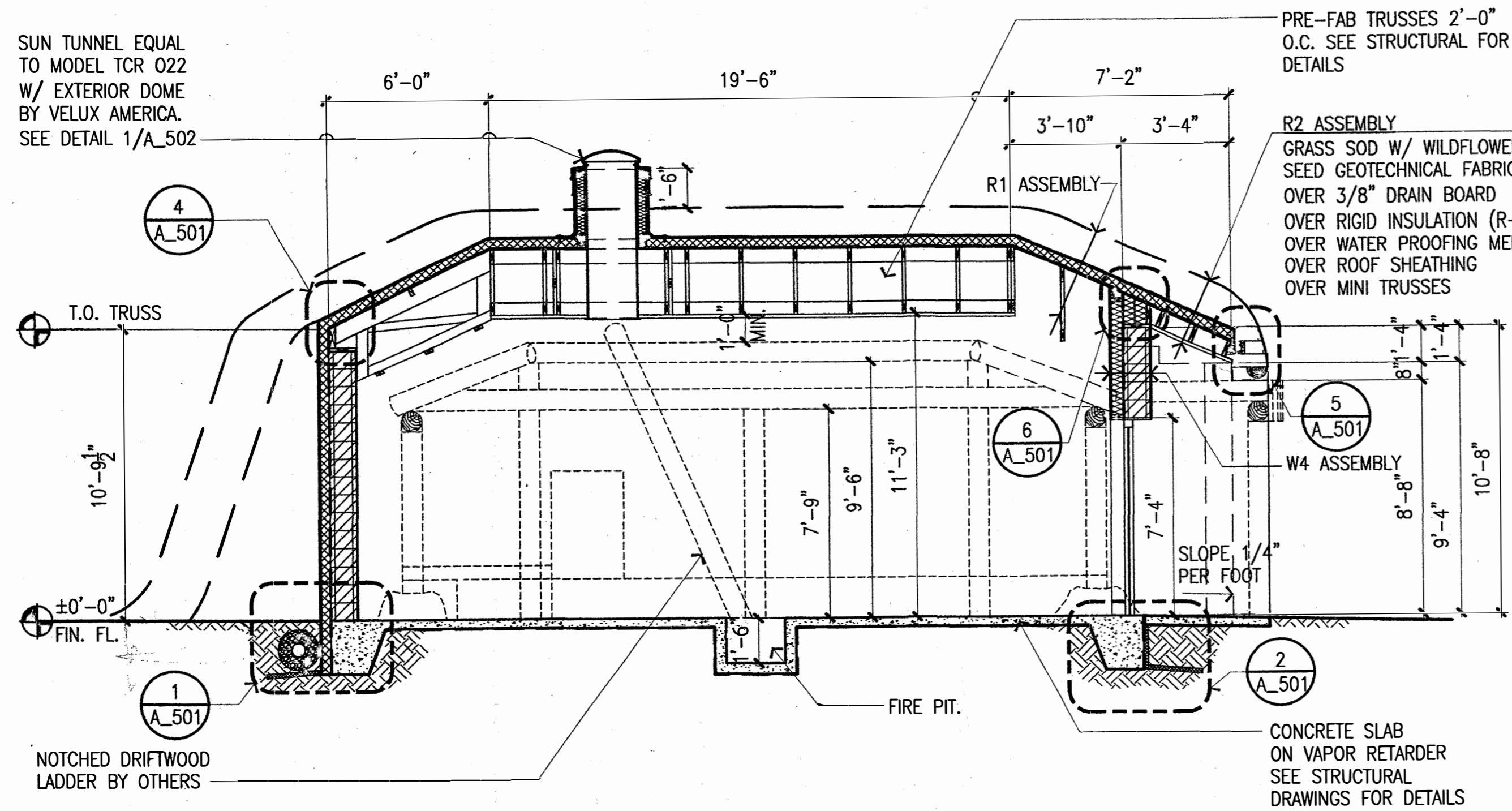


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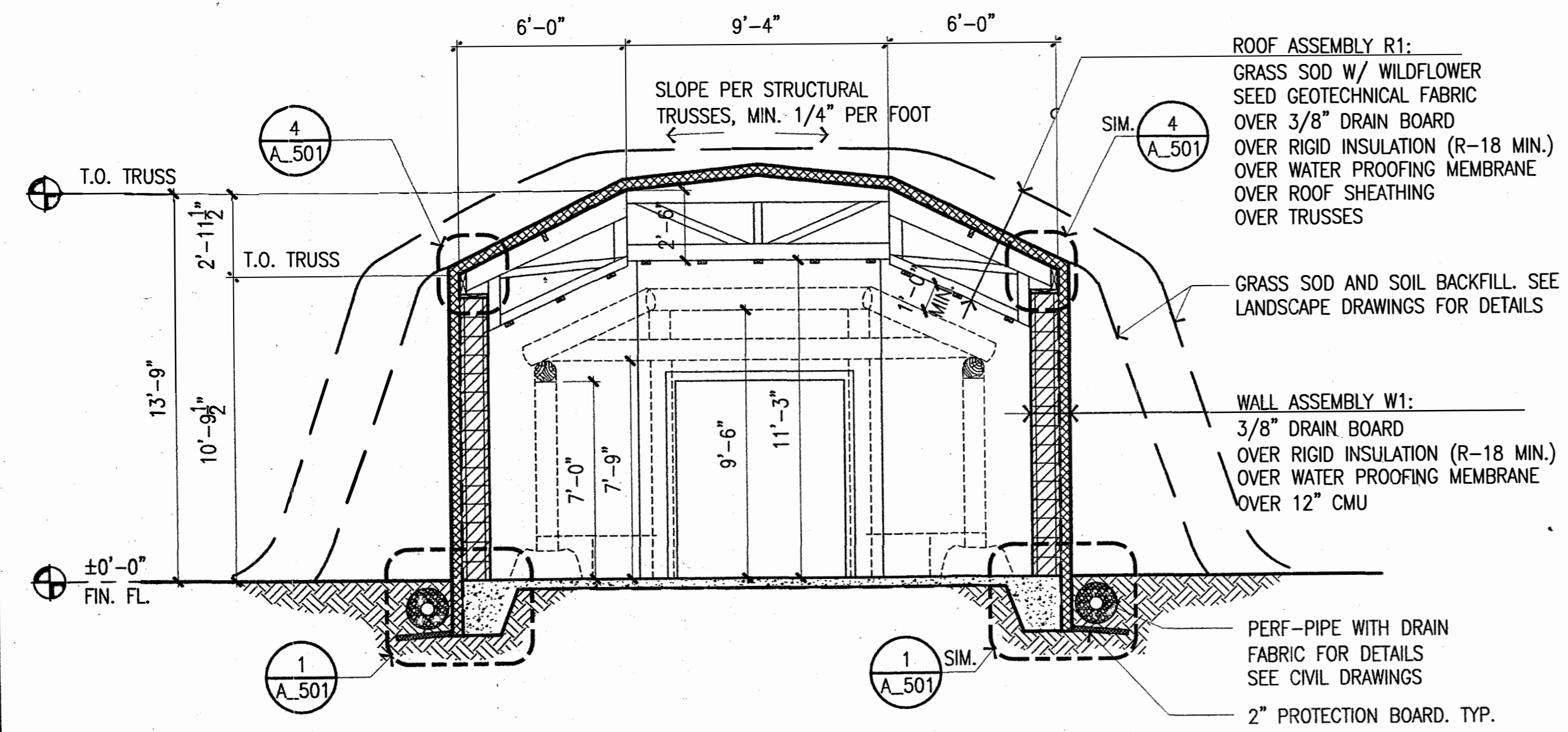


DATE: 10-05-05
 JOB NO.: ANH0505
 DRAWN BY: YLL
 CHECKED BY: RST
 DRAWING TITLE:
**NOTES,
 ABBREVIATIONS
 & CONVENTIONS**
 SHEET NO.:
A_001

SUN TUNNEL EQUAL TO MODEL TCR 022 W/ EXTERIOR DOME BY VELUX AMERICA. SEE DETAIL 1/A_502



3 SECTION
SCALE: 1/4" = 1'-0"



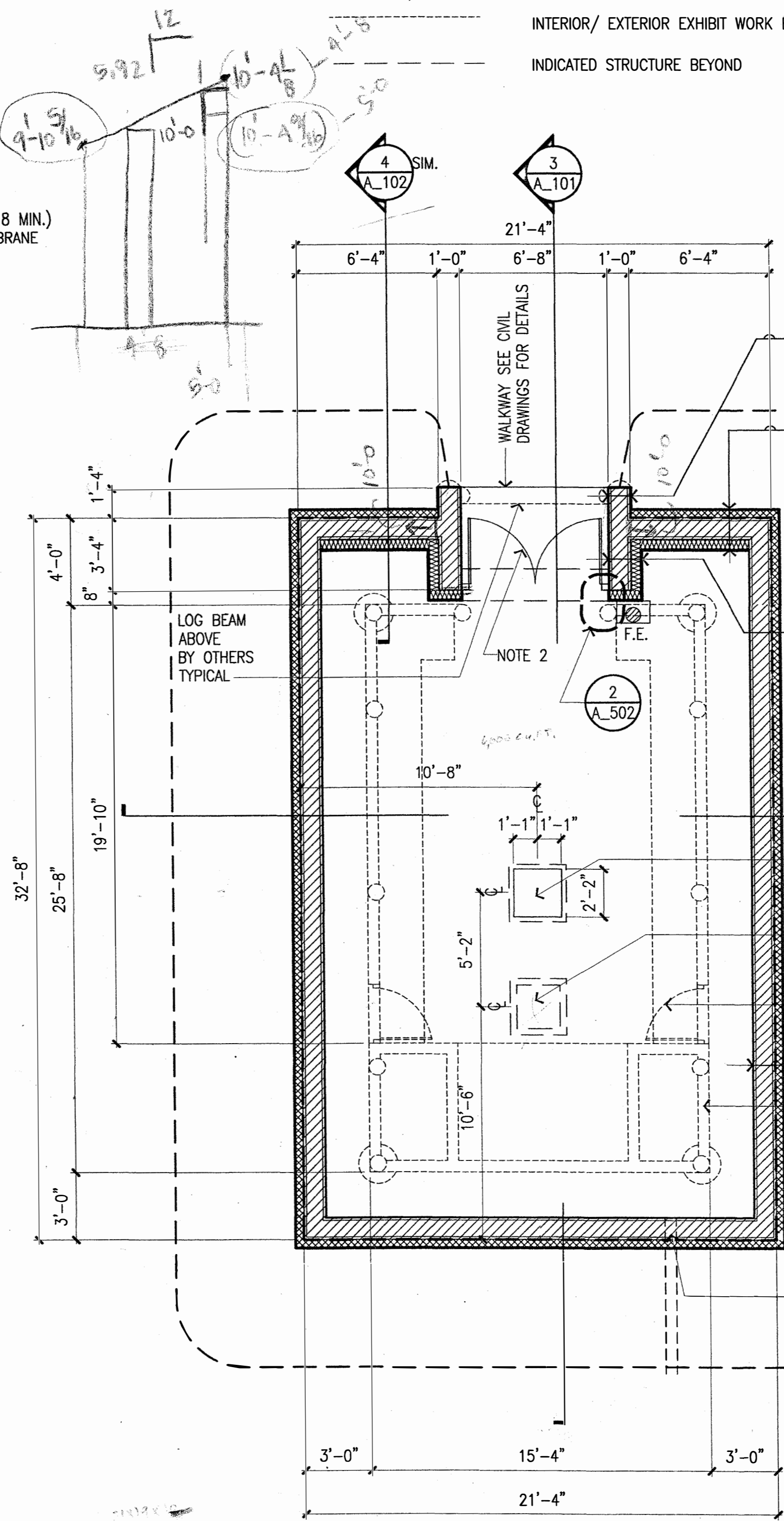
2 SECTION
SCALE: 1/4" = 1'-0"

LEGEND:

INTERIOR/ EXTERIOR EXHIBIT WORK BY OTHERS
INDICATED STRUCTURE BEYOND

NOTE:

1. FOR F.E. LOCATION AND INSTALLATION, COORDINATE WITH EXHIBIT DESIGNER.
2. PR. 3'-0"X 7'-0" IHM DOORS & FRAME. PAINT DOOR FRAME ONLY. ADHERE 3/8" EXTERIOR GRADE PLYWOOD ON BOTH SIDES OF DOORS TO PROVIDE NAILABLE SURFACE. DOORS TO BE PRIMED.



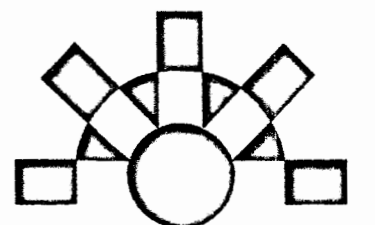
1 BUILDING #1 - CIQLLUAQ - FLOOR PLAN
SCALE: 1/4" = 1'-0"

W2 ASSEMBLY:
3/8" DRAIN BOARD
OVER WATER PROOFING MEMBRANE
OVER 12" CMU

W3 ASSEMBLY:
3/8" DRAIN BOARD
OVER RIGID INSULATION (R-18 MIN.)
OVER WATER PROOFING MEMBRANE
OVER 12" CMU
OVER 2X6 STUDS @16" O.C.
W/ FULL BATT INSULATION
OVER VAPOR RETARDER
OVER 5/8" GWB

W4 ASSEMBLY:
OVER 12" CMU
OVER 2X6 STUDS @16" O.C.
W/ R19 BATT INSULATION
OVER VAPOR RETARDER
OVER 5/8" GWB

ANHC PHASE I SITE IMPROVEMENTS



| REV. | COMMENT | DATE |
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SEAL:



DATE: 10-05-05
JOB NO.: ANH0505
DRAWN BY: YLL
CHECKED BY: RST
DRAWING TITLE: **BUILDING #1 - FLOOR PLAN & SECTIONS**
SHEET NO.: **A_101**

APPROVED
OCT 10 2005
ROSS NOFFSINGER

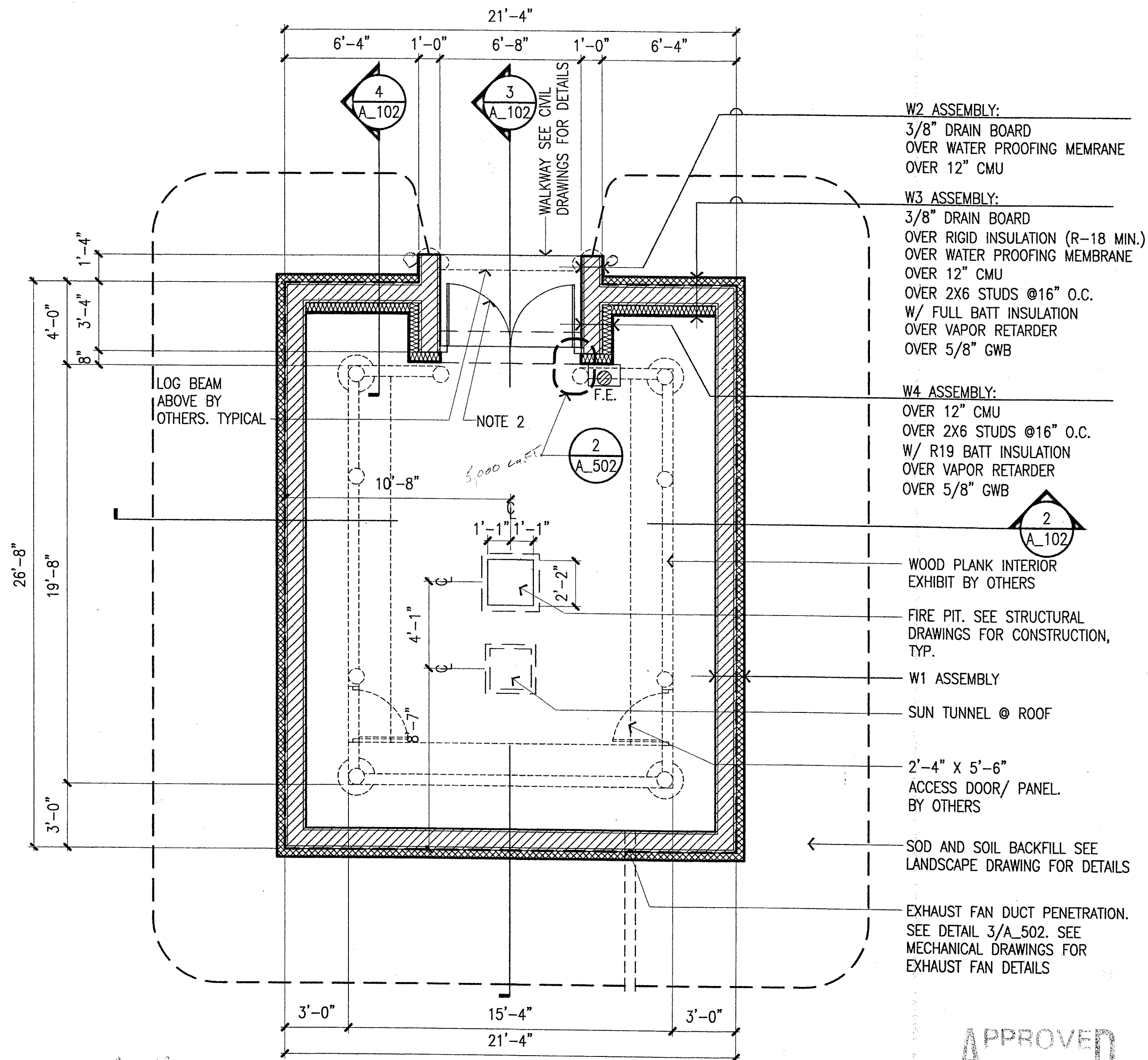
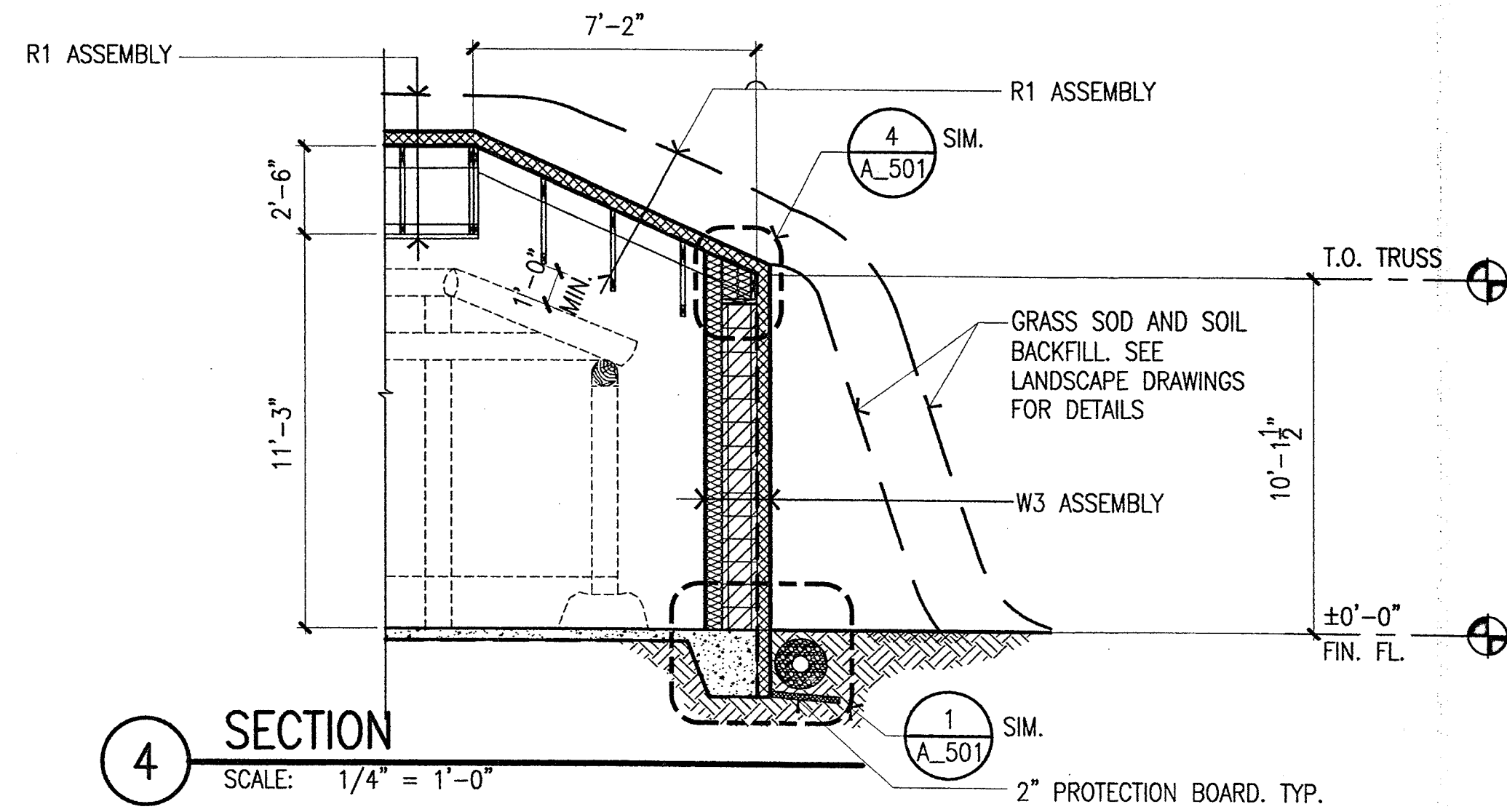
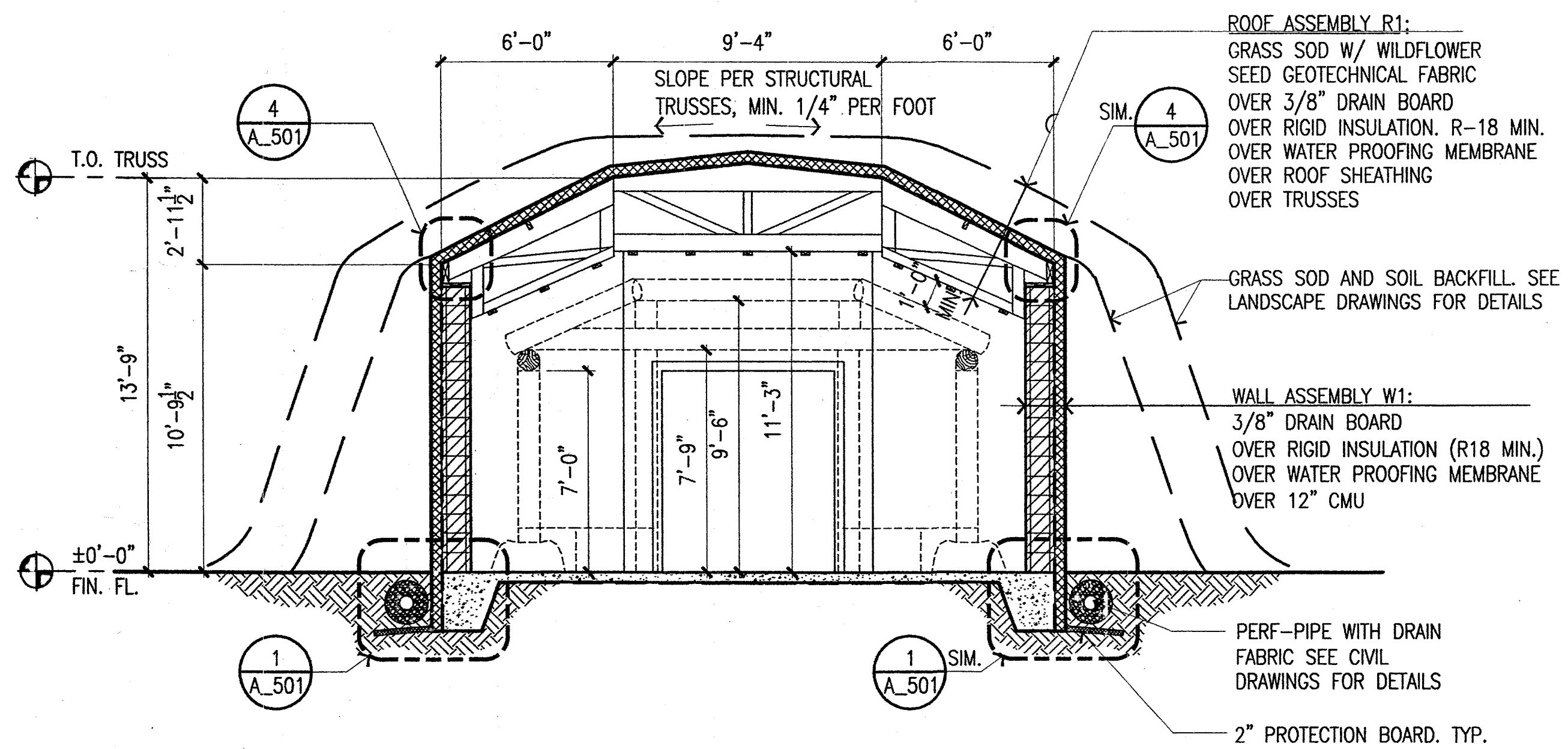
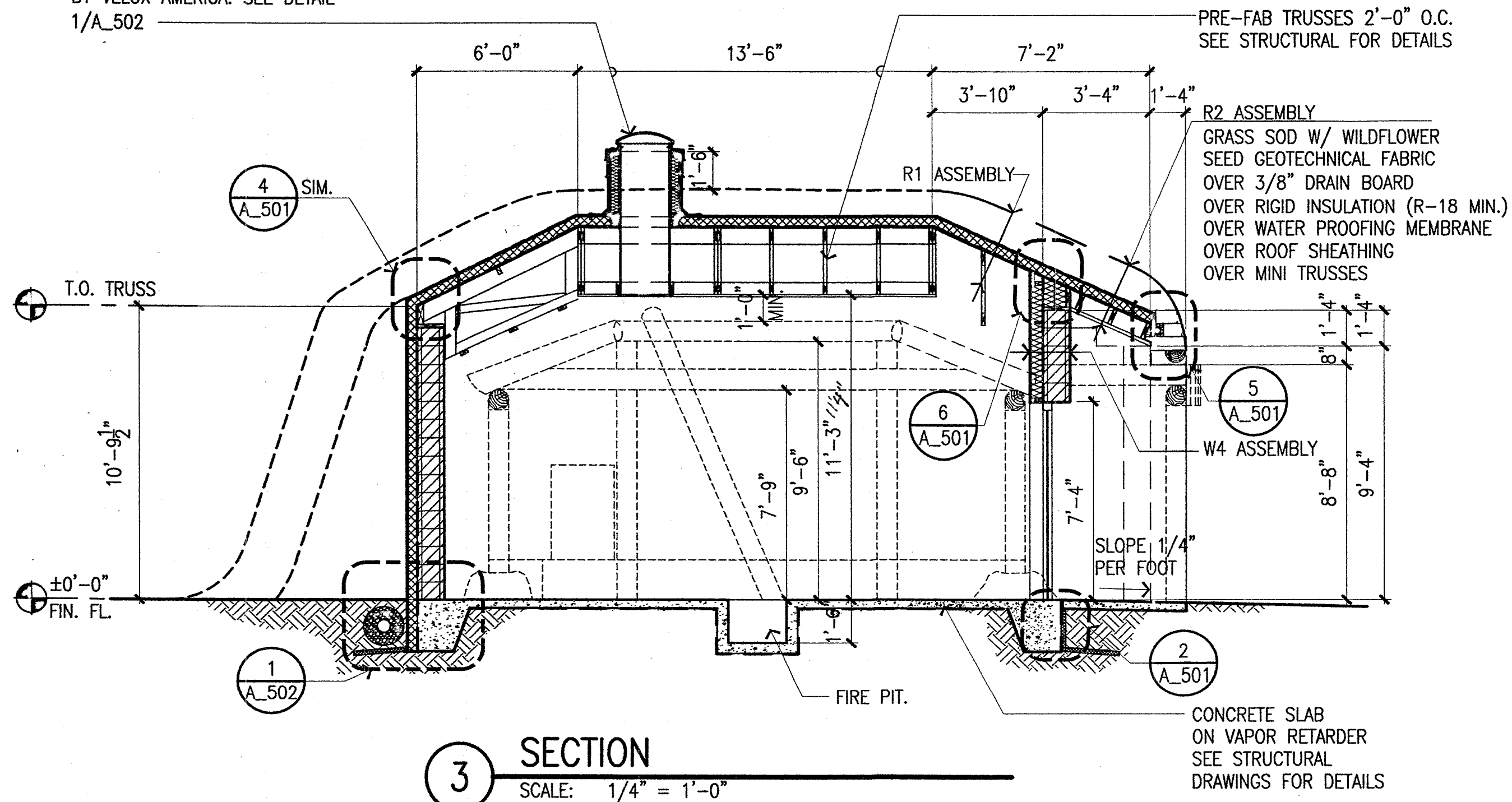
LEGEND:

----- INTERIOR/ EXTERIOR EXHIBIT WORK BY OTHERS
 - - - - - INDICATED STRUCTURE BEYOND

NOTE:

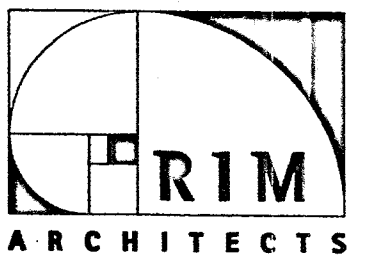
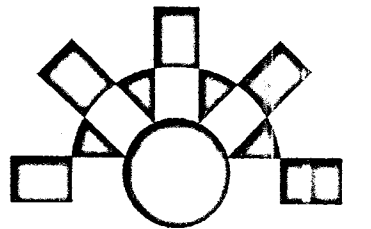
1. FOR F.E. LOCATION AND INSTALLATION, COORDINATE WITH EXHIBIT DESIGNER.
2. PR. 3'-0"X 7'-0" IHM DOORS & FRAME. PAINT DOOR FRAME ONLY. ADHERE 3/8" EXTERIOR GRADE PLYWOOD ON BOTH SIDES OF DOORS TO PROVIDE NAILABLE SURFACE. DOORS TO BE PRIMED.

SUN TUNNEL EQUAL TO MODEL TCR 022 W/ EXTERIOR DOME BY VELUX AMERICA. SEE DETAIL 1/A_502



APPROVED
 OCT 10 2005
 ROSS NOFFSINGER

ANHC PHASE I SITE IMPROVEMENTS



| REV. | COMMENT | DATE |
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SEAL:



DATE: 10-05-05
 JOB NO.: ANH0505
 DRAWN BY: YLL
 CHECKED BY: RST

BUILDING #2 - FLOOR PLAN & SECTIONS

SHEET NO.: **A_102**

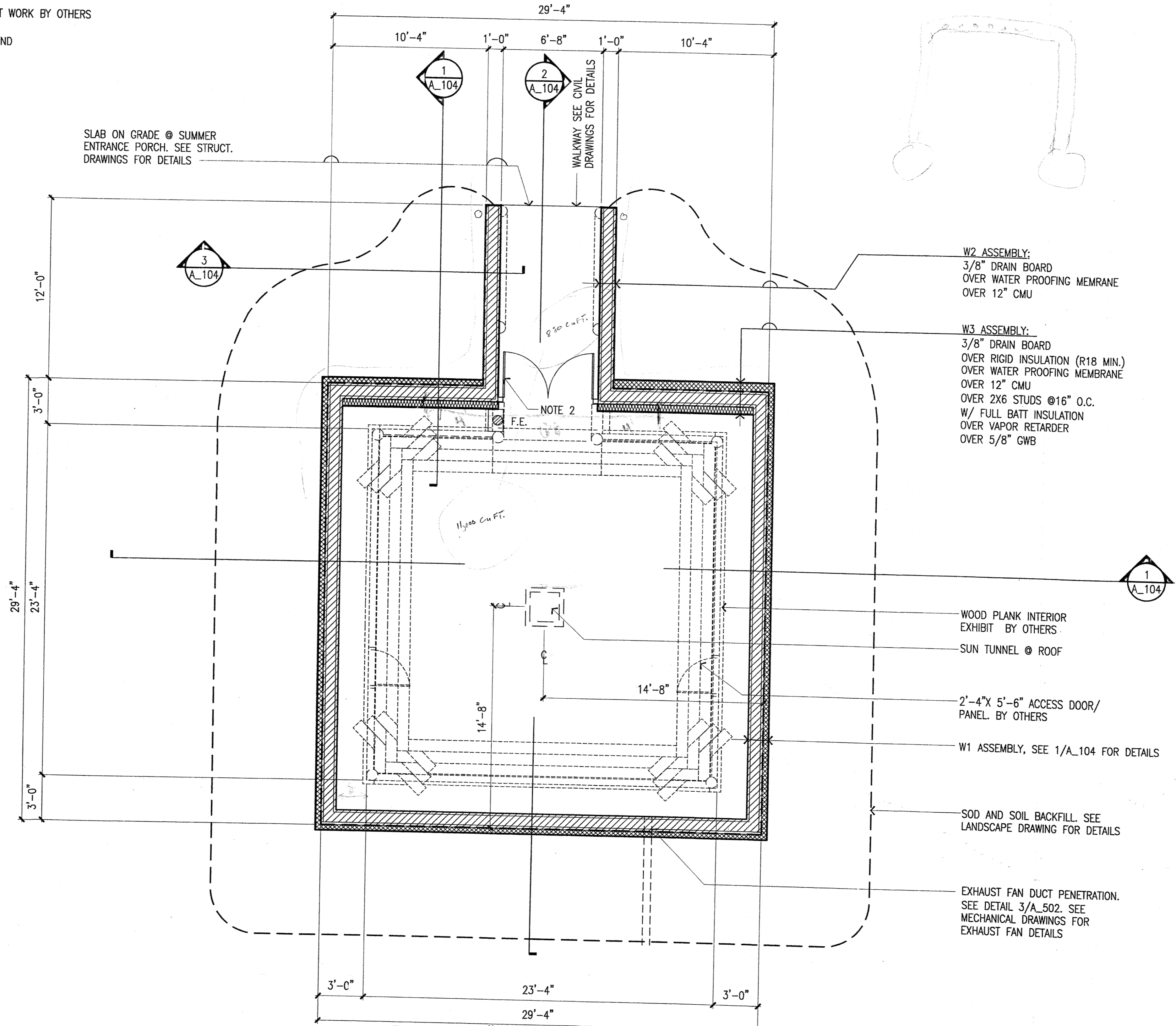
LEGEND:

- - - - - INTERIOR/ EXTERIOR EXHIBIT WORK BY OTHERS
- - - - - INDICATED STRUCTURE BEYOND

NOTE:

1. FOR F.E. LOCATION AND INSTALLATION, COORDINATE WITH EXHIBIT DESIGNER.
2. PR. 3'-0" X 7'-0" IHM DOORS & FRAME. PAINT DOOR FRAME ONLY. ADHERE 3/8" EXTERIOR GRADE PLYWOOD ON BOTH SIDES OF DOORS TO PROVIDE NAILABLE SURFACE. DOORS TO BE PRIMED.

SLAB ON GRADE @ SUMMER ENTRANCE PORCH. SEE STRUCT. DRAWINGS FOR DETAILS



W2 ASSEMBLY:
3/8" DRAIN BOARD
OVER WATER PROOFING MEMBRANE
OVER 12" CMU

W3 ASSEMBLY:
3/8" DRAIN BOARD
OVER RIGID INSULATION (R18 MIN.)
OVER WATER PROOFING MEMBRANE
OVER 12" CMU
OVER 2X6 STUDS @16" O.C.
W/ FULL BATT INSULATION
OVER VAPOR RETARDER
OVER 5/8" GWB

WOOD PLANK INTERIOR EXHIBIT BY OTHERS
SUN TUNNEL @ ROOF
2'-4" X 5'-6" ACCESS DOOR/PANEL BY OTHERS
W1 ASSEMBLY, SEE 1/A_104 FOR DETAILS

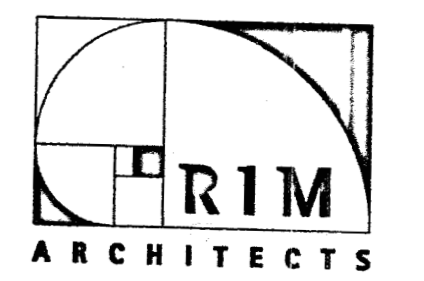
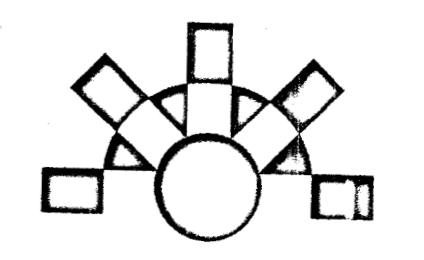
SOD AND SOIL BACKFILL. SEE LANDSCAPE DRAWING FOR DETAILS

EXHAUST FAN DUCT PENETRATION. SEE DETAIL 3/A_502. SEE MECHANICAL DRAWINGS FOR EXHAUST FAN DETAILS

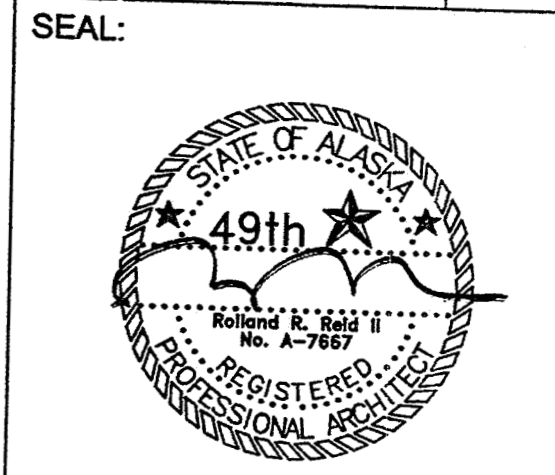
BUILDING #3 - QASGIQ - FLOOR PLAN
SCALE: 1/4" = 1'-0"
North

APPROVED
OCT 1 0 2005
ROSS NOFFSINGER

ANHC PHASE I SITE IMPROVEMENTS



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DRAWN BY: YLL
CHECKED BY: RST
DRAWING TITLE:
BUILDING #3 - FLOOR PLAN

SHEET NO.:
A 103

LEGEND:

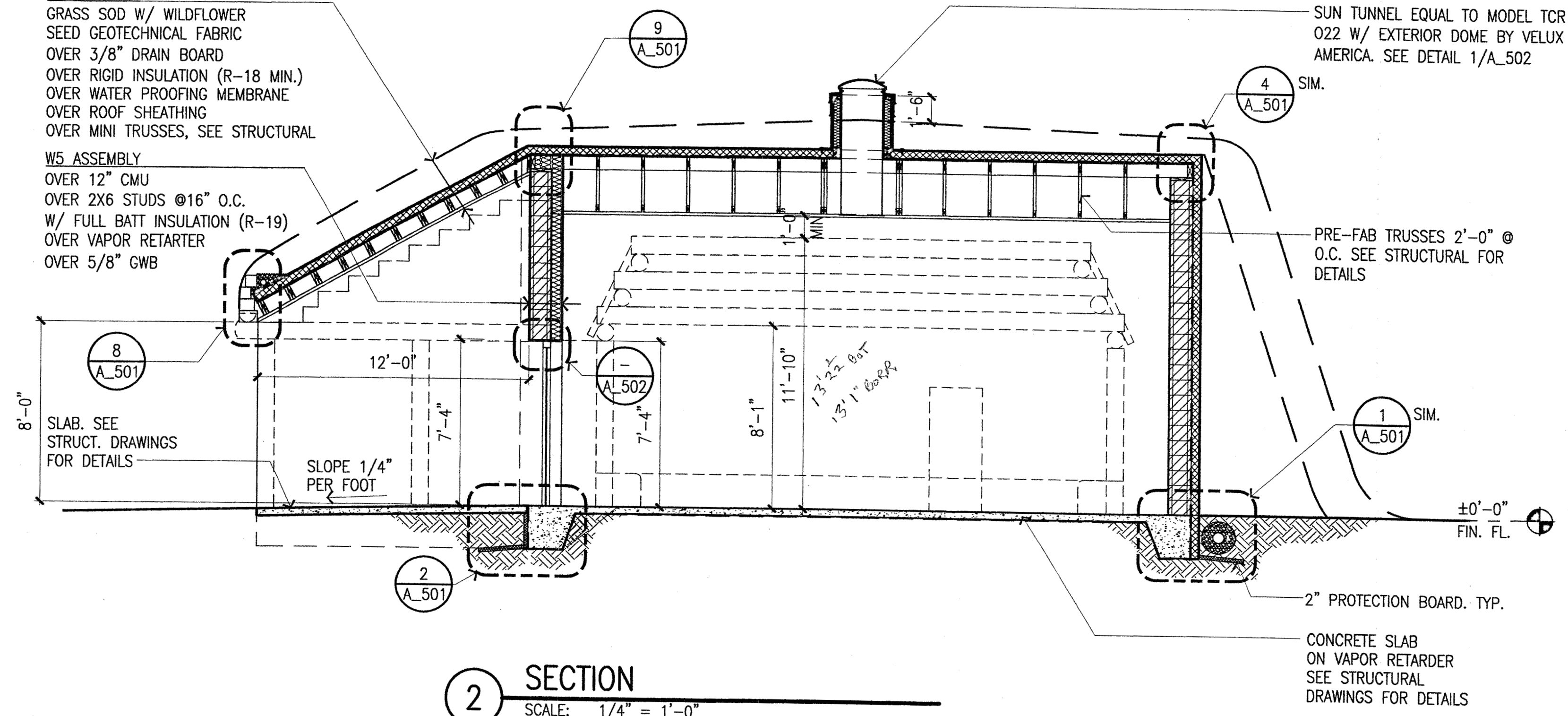
--- INTERIOR/ EXHIBIT WORK BY OTHERS
 - - - - - INDICATED STRUCTURE BEYOND

NOTE:

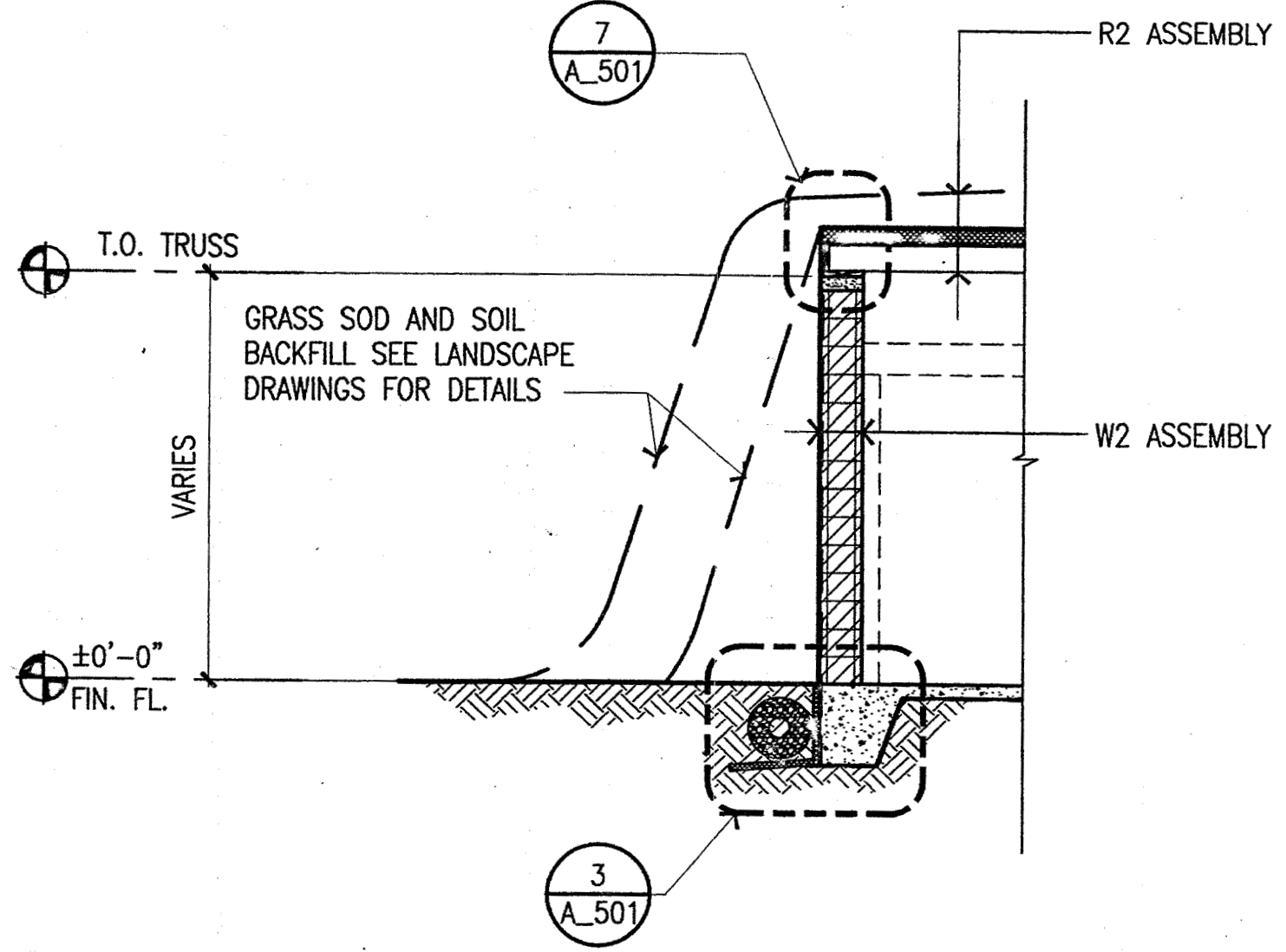
FOR F.E. LOCATION AND INSTALLATION, COORDINATE WITH EXHIBIT DESIGNER.

R2 ASSEMBLY
 GRASS SOD W/ WILDFLOWER SEED
 GEOTECHNICAL FABRIC
 OVER 3/8" DRAIN BOARD
 OVER RIGID INSULATION (R-18 MIN.)
 OVER WATER PROOFING MEMBRANE
 OVER ROOF SHEATHING
 OVER MINI TRUSSES, SEE STRUCTURAL

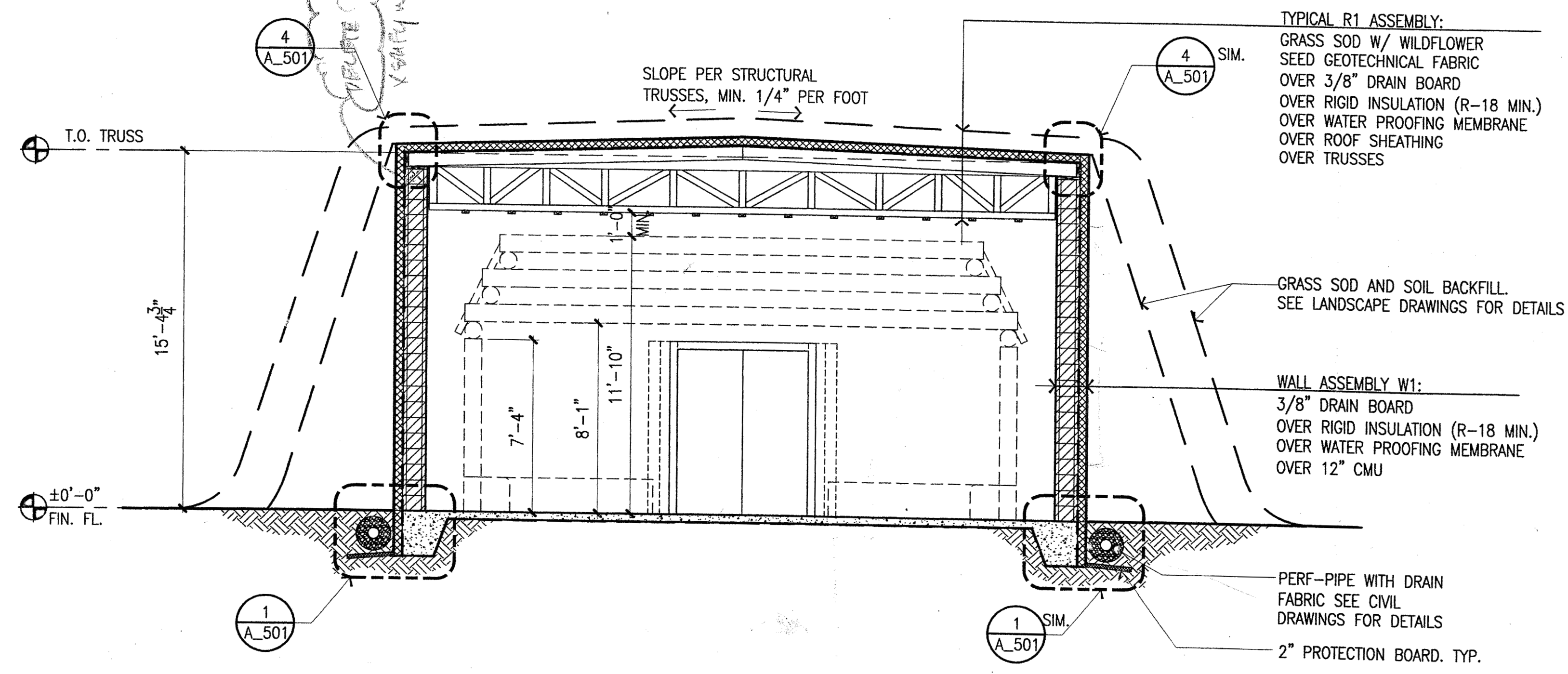
W5 ASSEMBLY
 OVER 12" CMU
 OVER 2X6 STUDS @16" O.C.
 W/ FULL BATT INSULATION (R-19)
 OVER VAPOR RETARTER
 OVER 5/8" GWB



2 SECTION
 SCALE: 1/4" = 1'-0"

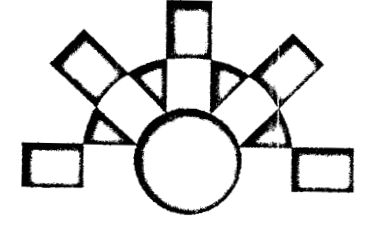


3 WALL AND ROOF SECTION
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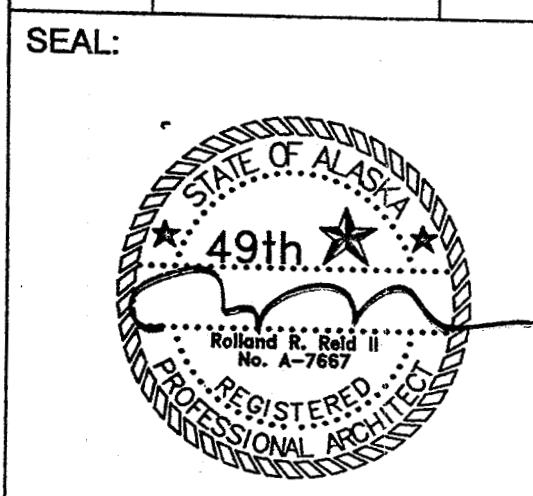


1 BUILDING #3 - QASGIQ - SECTION
 SCALE: 1/4" = 1'-0"

ANHC PHASE I SITE IMPROVEMENTS



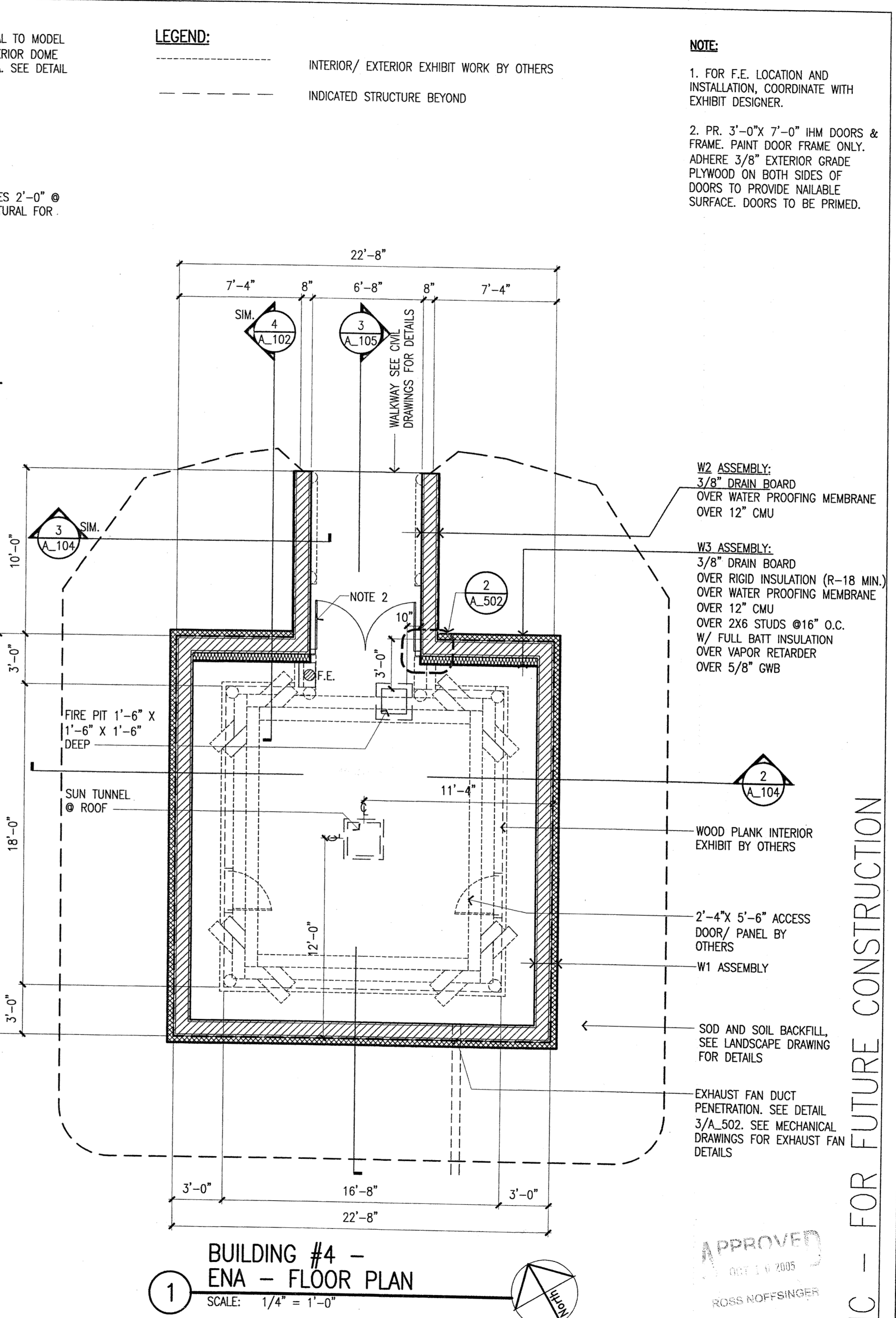
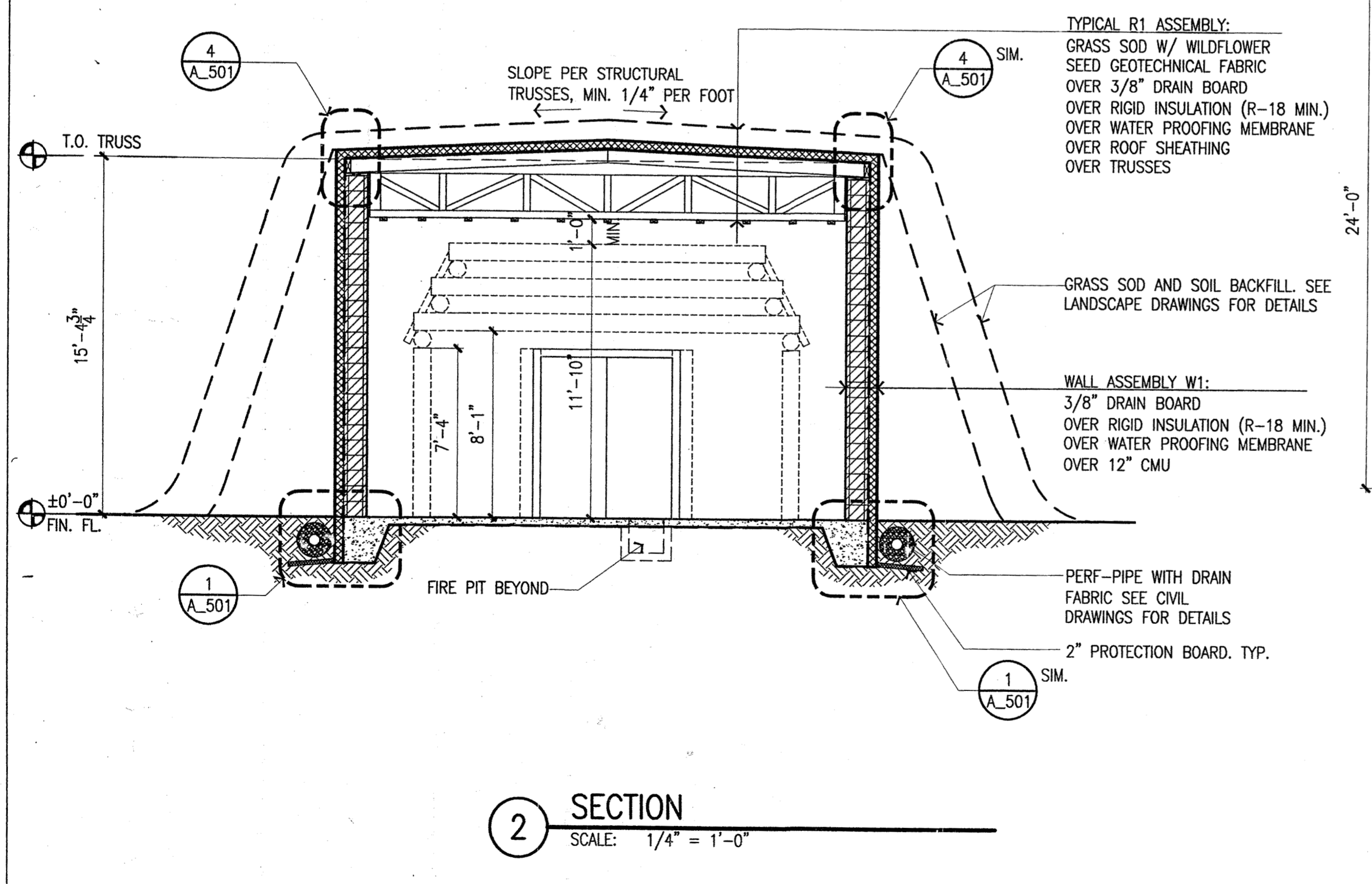
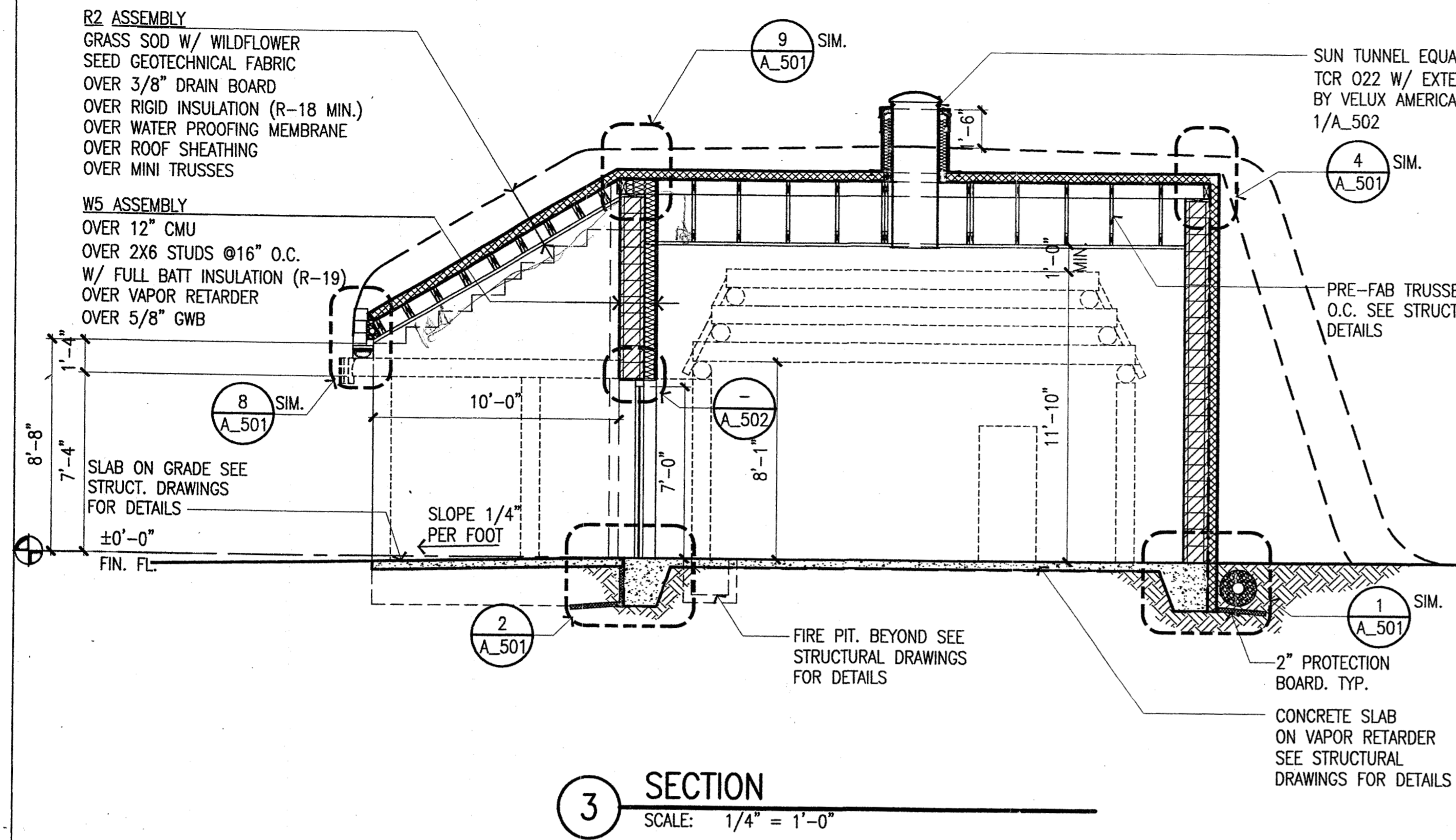
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DATE: 10-05-05
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DRAWING TITLE:
BUILDING #3 - SECTIONS
 SHEET NO.:
A 104

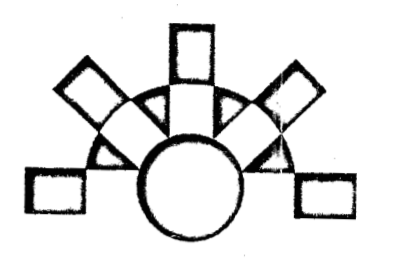
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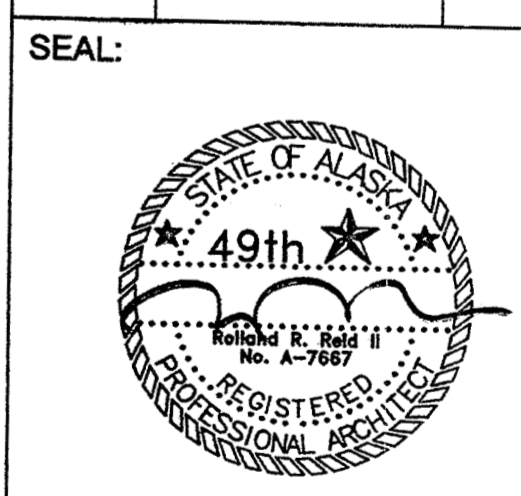
LEGEND:
----- INTERIOR/ EXTERIOR EXHIBIT WORK BY OTHERS
----- INDICATED STRUCTURE BEYOND

NOTE:
1. FOR F.E. LOCATION AND INSTALLATION, COORDINATE WITH EXHIBIT DESIGNER.
2. PR. 3'-0" X 7'-0" IHM DOORS & FRAME. PAINT DOOR FRAME ONLY. ADHERE 3/8" EXTERIOR GRADE PLYWOOD ON BOTH SIDES OF DOORS TO PROVIDE NAILABLE SURFACE. DOORS TO BE PRIMED.

**ANHC PHASE I
SITE
IMPROVEMENTS**



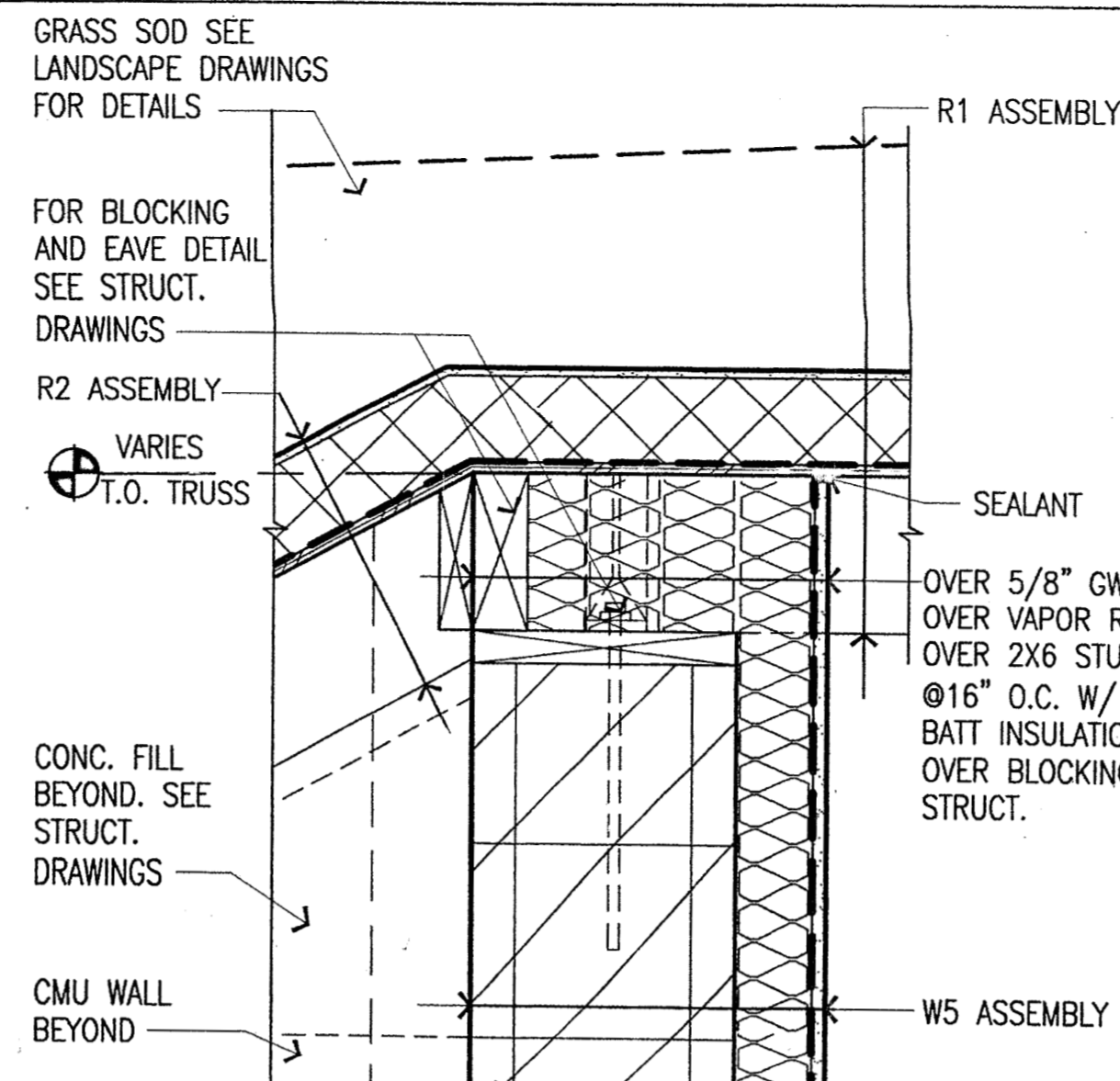
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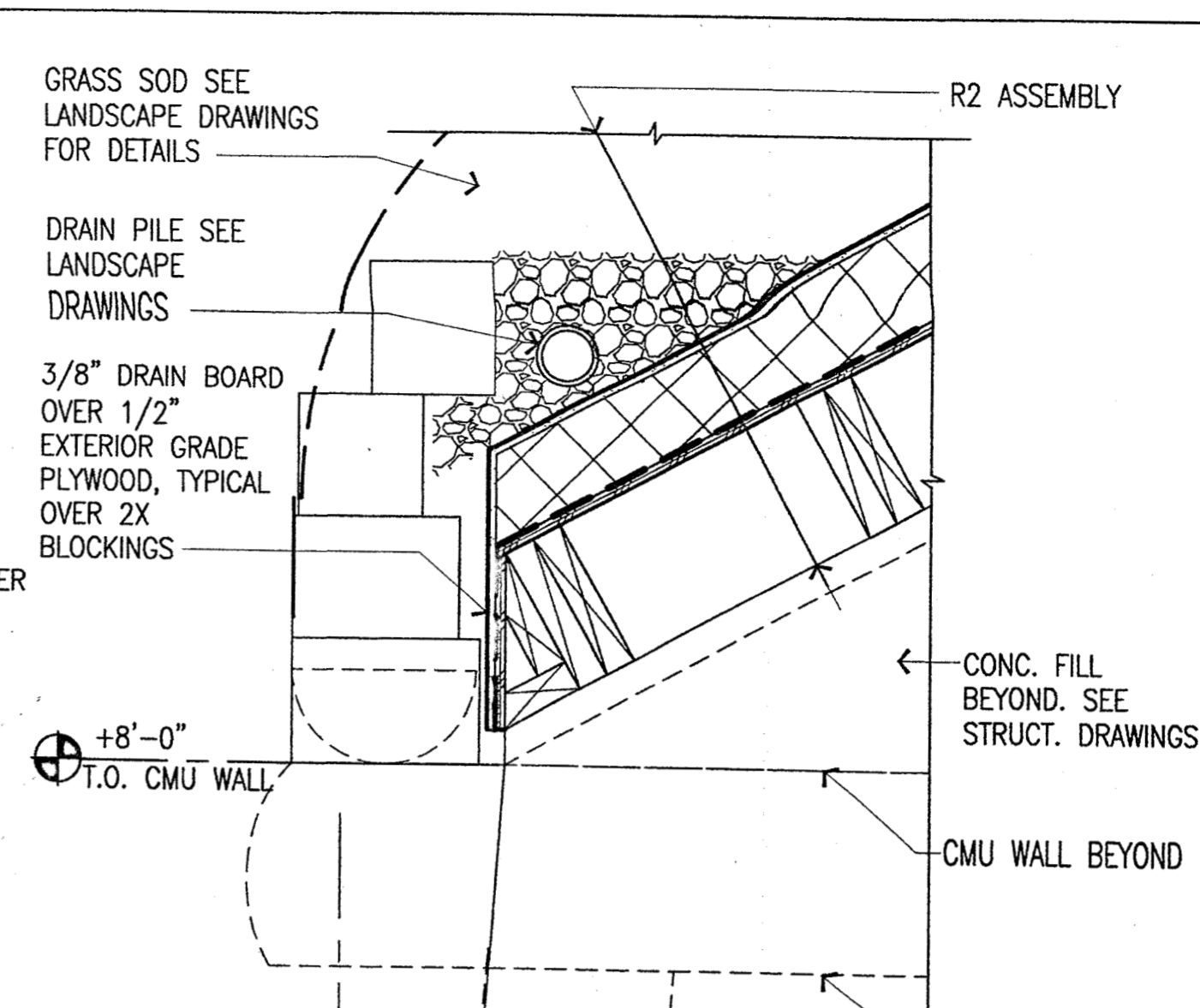
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JOB NO.: ANH0505
DRAWN BY: YLL
CHECKED BY: RST
DRAWING TITLE:
**BUILDING #4 -
FLOOR PLAN
& SECTIONS**
SHEET NO.:
A_105

NIC - FOR FUTURE CONSTRUCTION

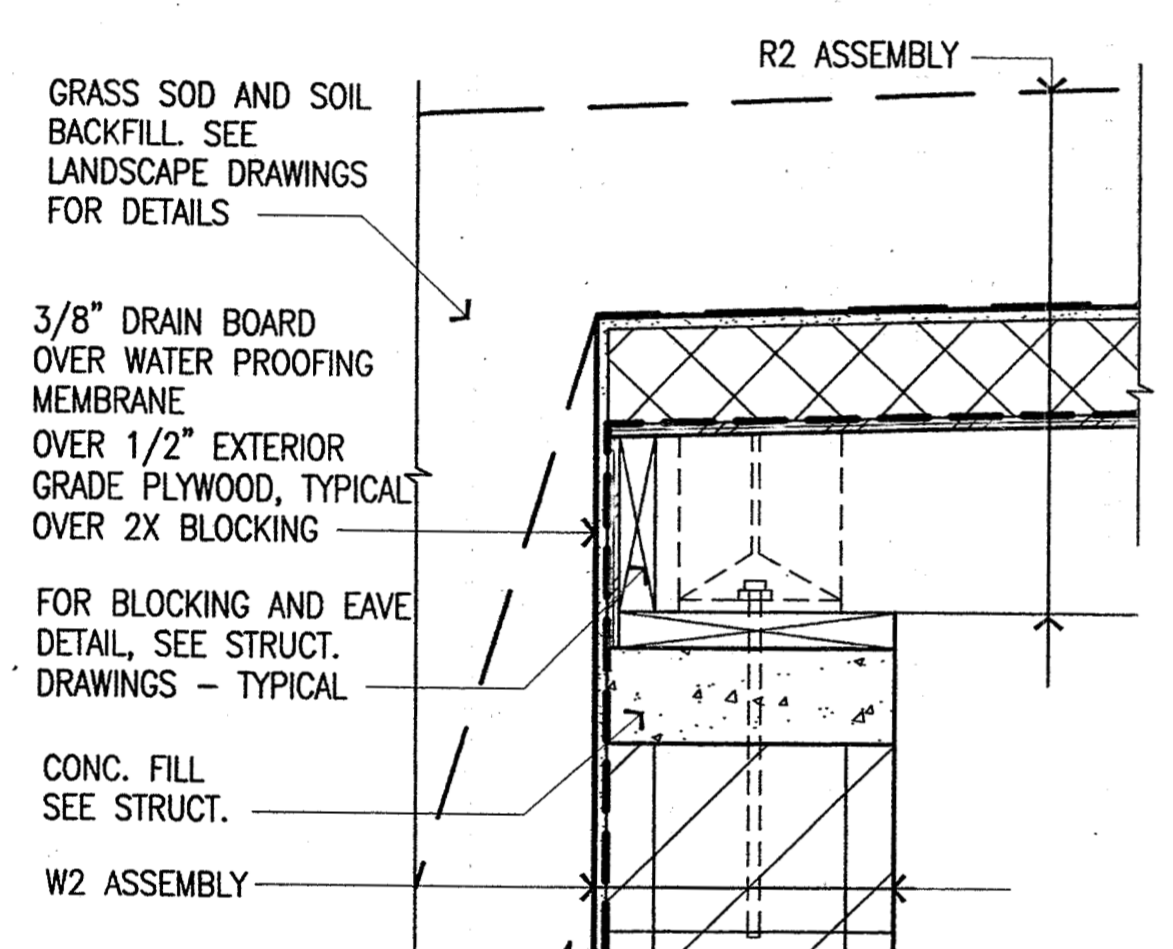
CONSTRUCTION DOCUMENTS



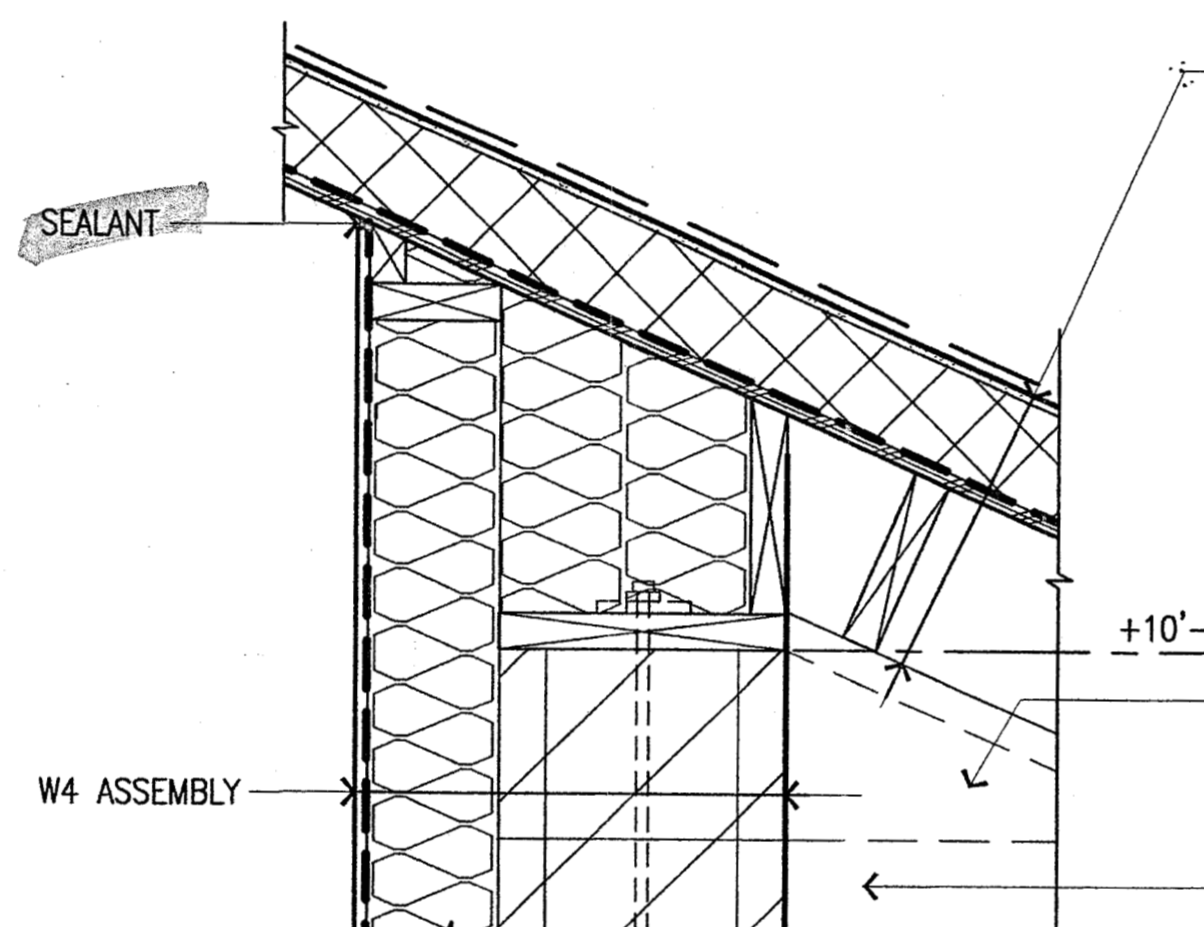
9 (#3 BUILDING) **DETAIL AT ENTRANCE**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



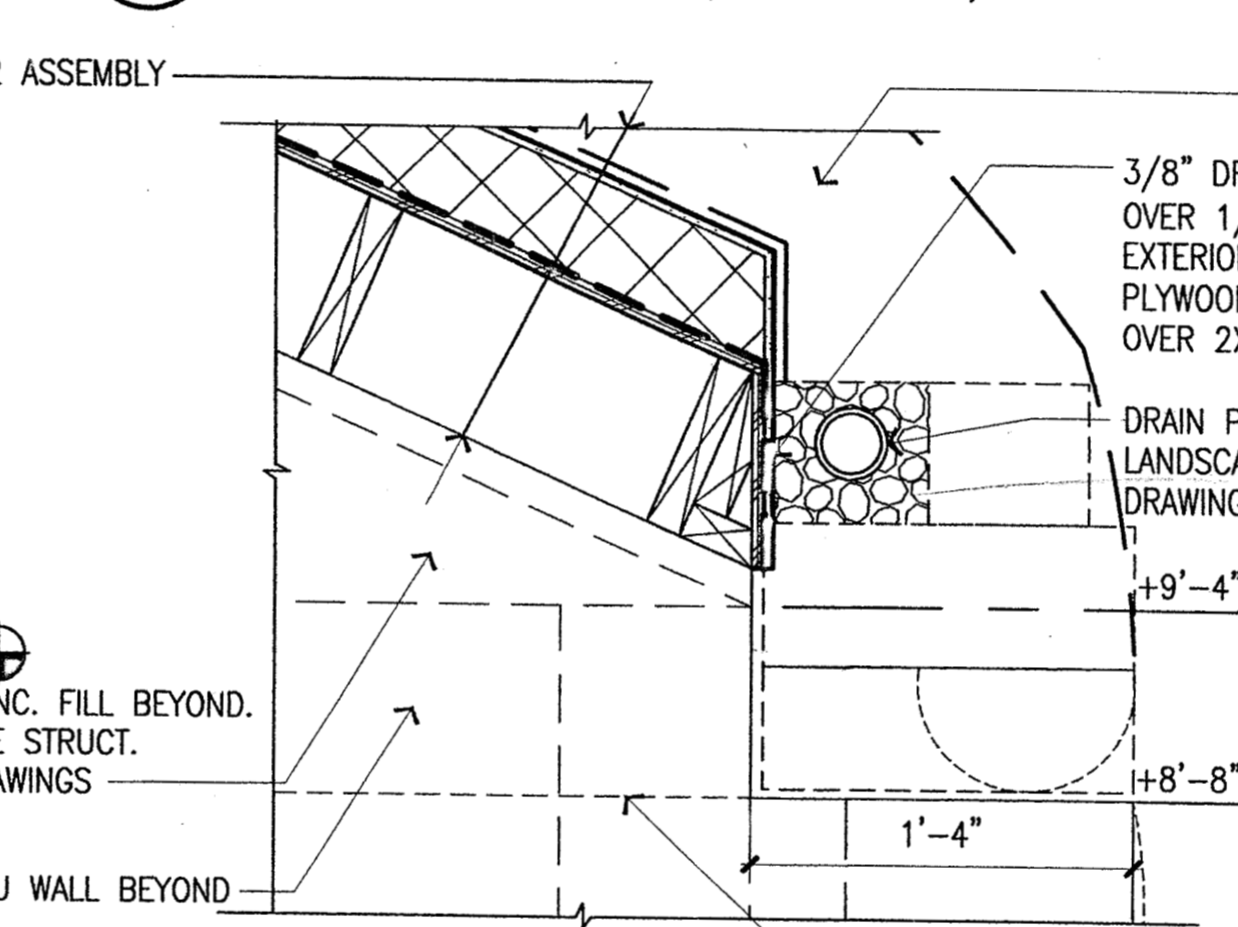
8 (#3 BUILDING) **ROOF DETAIL AT ENTRANCE**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



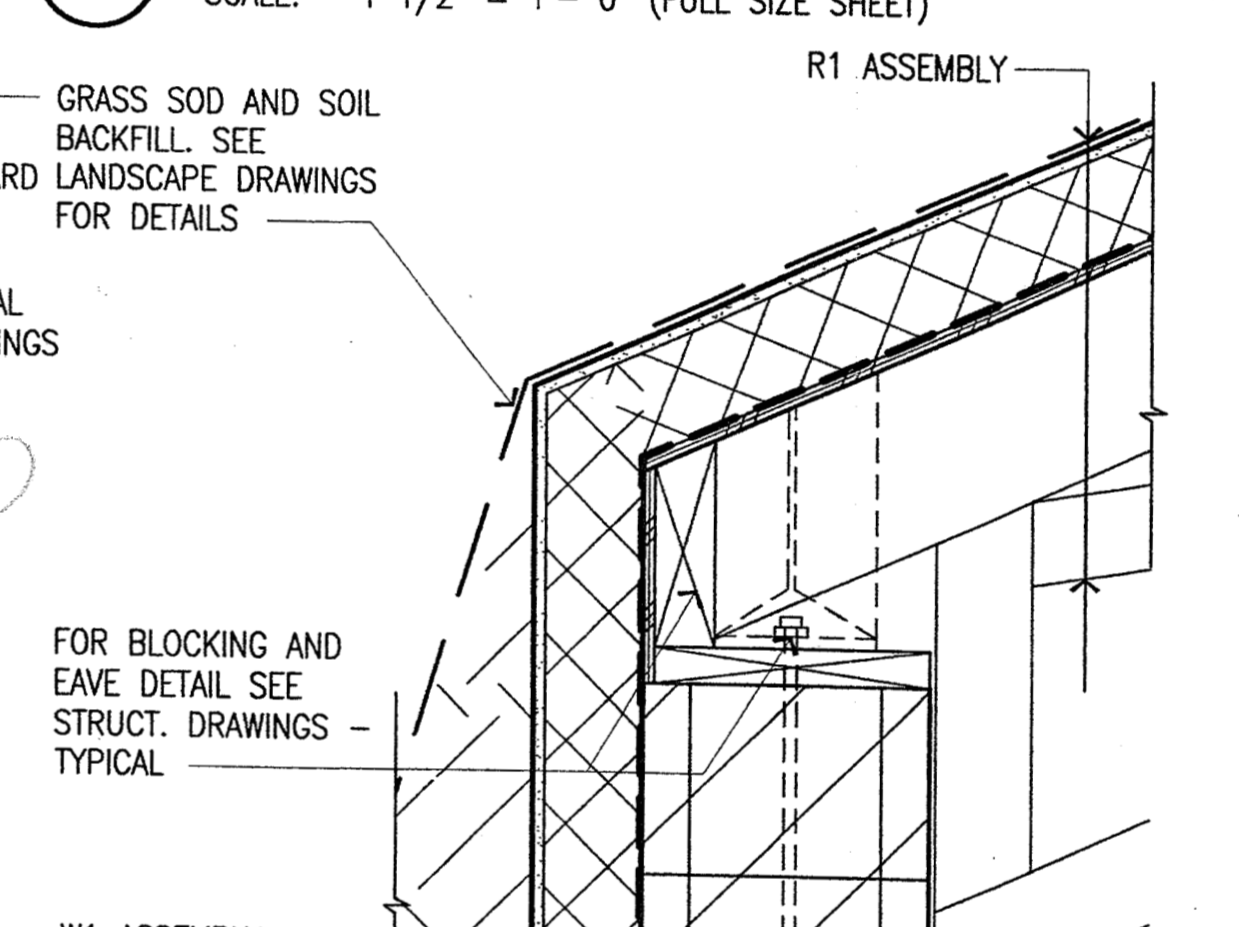
7 (#3 & #4 BUILDINGS) **DETAIL AT ENTRANCE**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



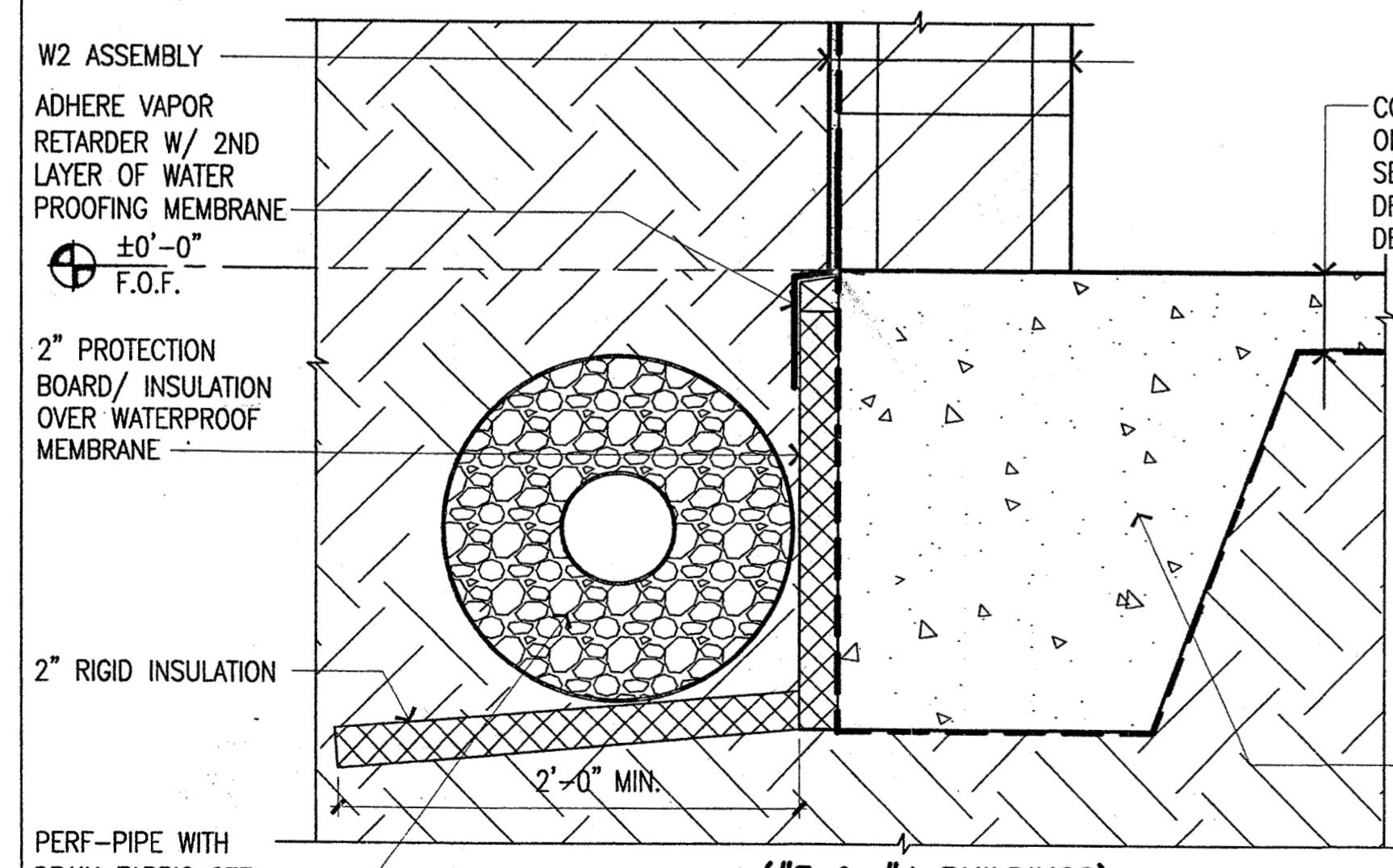
6 (#1 & #2 BUILDINGS) **DETAIL AT ENTRANCE**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



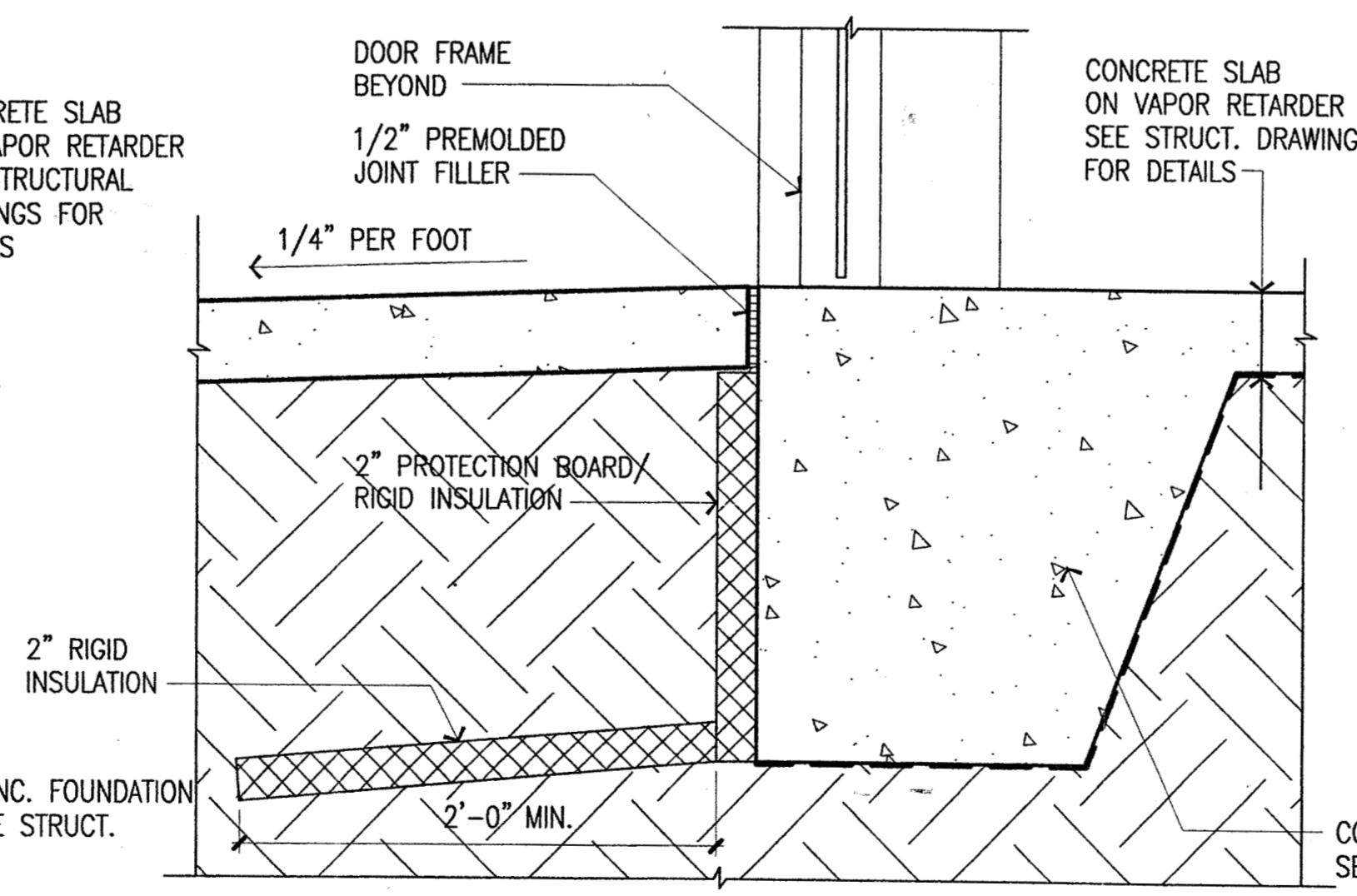
5 (#1 & #2 BUILDINGS) **ROOF DETAIL AT ENTRANCE**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



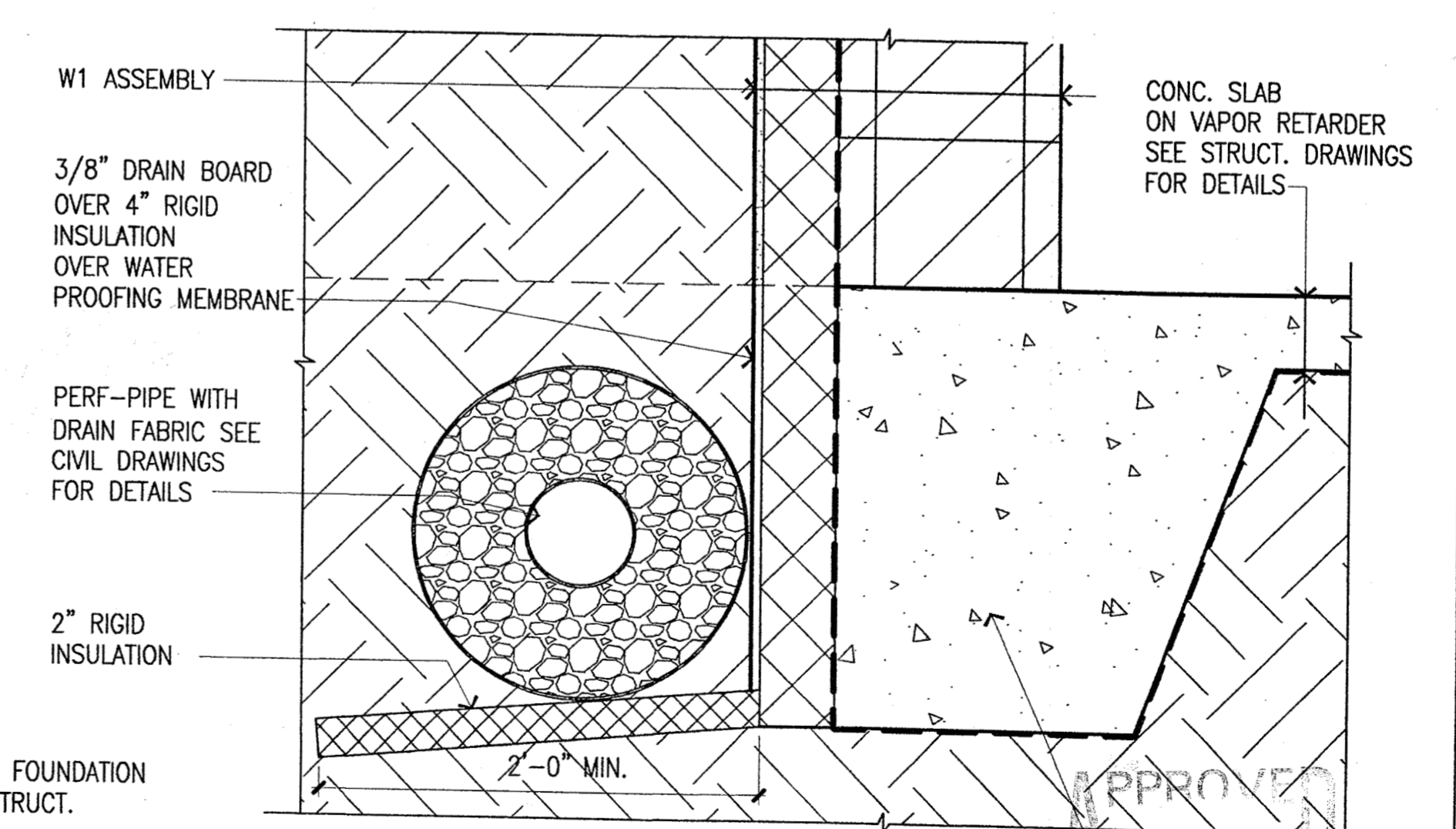
4 **TYPICAL EAVE DETAIL**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)



3 (#3 & #4 BUILDINGS) **DETAIL AT FOOTING**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)

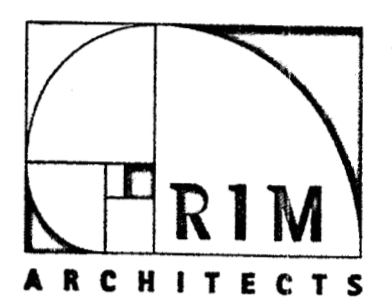
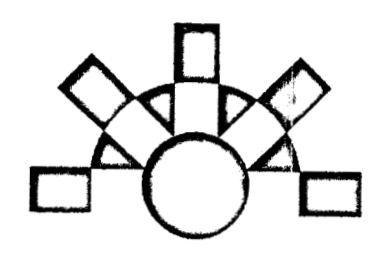


2 **DETAIL AT FOOTING**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)

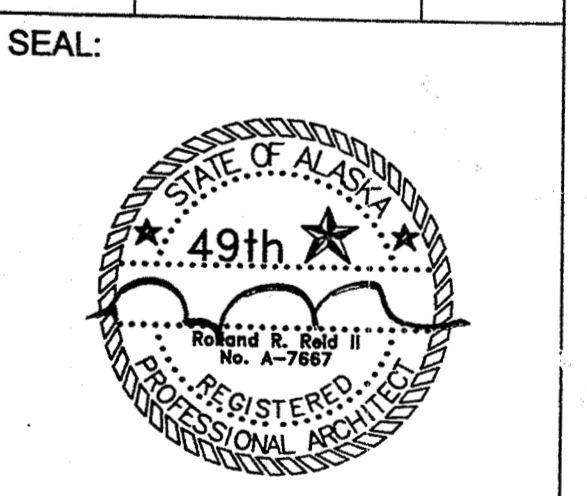


1 **DETAIL AT FOOTING**
SCALE: 1 1/2" = 1'-0" (FULL SIZE SHEET)

**ANHC PHASE I
SITE
IMPROVEMENTS**



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DATE: 10-05-05
JOB NO.: ANH0505
DRAWN BY: YLL
CHECKED BY: RST
DRAWING TITLE:
DETAILS

SHEET NO.:
A_501

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, SITE CONDITIONS, SPECIFICATIONS AND THESE NOTES SHALL BE REPORTED TO THE ARCHITECT AT ONCE.

ALL NEW CONSTRUCTION SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE 2000 (IBC 2000).

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL O.S.H.A. SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

STRUCTURAL DESIGN DATA

CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. DURING CONSTRUCTION, PROTECT THE STRUCTURES BY BRACING OR OTHER MEANS.

DESIGN BASIS: IBC 2000 (AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE)

DEAD LOADS:

8" SOD & SOIL ROOF 87 PSF (γ = 126 PCF)

LIVE LOADS:

BALANCED SNOW 40 PSF
EXHIBIT SPACES 40 PSF

WIND LOADS: BASIC WIND SPEED (3-SECOND GUST) = 110 MPH, EXPOSURE B, Iw = 1.0.

SEISMIC LOADS: SEISMIC USE GROUP I, DESIGN CATEGORY D, SITE CLASS D, Ss = 1.50, Si = 0.55, Ie = 1.0. ALL ANALYSES ARE LINEAR AND STATIC. SPECIAL REINFORCED MASONRY SHEAR WALLS RESIST LATERAL FORCES. R = 5. QASIQ (BUILDING #3) BASE SHEAR = 37 KIPS.

LATERAL FORCES ARE TRANSFERRED TO THE SHEAR WALLS BY FLEXIBLE DIAPHRAGMS. RESULTING WALL FORCES ARE CALCULATED BY THE TRIBUTARY AREA METHOD.

FOUNDATIONS

ALL FOOTINGS SHALL BE FOUNDED UPON 3'-0" MINIMUM NON-FROST SUSEPTIBLE (NFS) BACKFILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 3,000 PSF. SEE CIVIL DRAWINGS FOR COMPACTION INFORMATION.

SHOP DRAWINGS

THE CONTRACTOR SHALL REVIEW, STAMP WITH HIS APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS REQUIRED BY THE CONTRACT DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DRAWINGS.

STRUCTURAL CONCRETE NOTES

CONCRETE MIXES:

SLABS AND FOOTINGS: f'c = 2500 PSI, 0.45 MAX WATER/CEMENT RATIO. ALL CONCRETE SHALL CONTAIN 4% TO 6.5% ENTRAINED AIR.

CONCRETE MATERIALS:

- A. CEMENT: ASTM C150, TYPE II OR III
B. AGGREGATE: ASTM C33
C. WATER: ASTM C94
D. WATER REDUCING ADMIXTURES: ASTM C494, TYPE A, NON-CHLORIDE
E. AIR ENTRAINING ADMIXTURE: ASTM C260
F. REINFORCING BARS: ASTM A615, GRADE 60

A CURING COMPOUND CONFORMING TO ASTM C 309 WITH A FUGITIVE DYE SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES UPON INITIAL SET OR PULLING OF FORMS.

COLD WEATHER CONCRETE SHALL CONFORM TO ACI 306.

ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 AND ACI 315. ALL REBAR LAPS SHALL BE PER THE SPLICE SCHEDULE HEREIN.

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT FOR CAST-IN-PLACE CONCRETE:

- A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..... 3 IN.
B. CONCRETE EXPOSED TO EARTH OR WEATHER:
6 THROUGH # 18 BARS..... 2 IN.
5 BAR, W31 OR D31 WIRE, AND SMALLER..... 1-1/2 IN.

DOWELS SHALL MATCH MAIN REINFORCING.

WELDING OF REBAR IS NOT ALLOWED WITHOUT ENGINEER'S APPROVAL.

CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.

STRUCTURAL MASONRY

MATERIALS:

- A. STRENGTH OF THE MASONRY ASSEMBLAGE: f'm = 2,500 PSI.
B. CONCRETE MASONRY UNITS: ASTM C 90, TYPE I, NORMAL WEIGHT, MIN COMP STRENGTH = 3750 PSI.
C. MORTAR: ASTM C 270, TYPE M.
D. GROUT: ASTM C 476, MIN COMP STRENGTH = 3,000 PSI.
E. REINFORCING BARS: ASTM A 615, GRADE 60.
F. TRIANGLE TIES: HOHMANN & BERNARD #VWT "VEE WALL TIES", HECKMANN "POS-I-TIE" TRIANGLE TIES OR EQUAL. 4 INCH WIDTH & LENGTH, 3/16 INCH DIAMETER, HOT-DIP GALVANIZED.

MASONRY SHALL BE FULLY GROUTED. PROVIDE ADEQUATE TEMPORARY BRACING DURING CONSTRUCTION TO WITHSTAND LATERAL LOADS AND THE PRESSURES OF FLUID GROUT. VERTICAL CELLS TO BE FILLED WITH GROUT SHALL BE ALIGNED TO PROVIDE A CONTINUOUS, UNOBSTRUCTED OPENING. CELLS WHICH WILL CONTAIN VERTICAL REINFORCING SHALL HAVE A MINIMUM 2 INCH CLEAR OPENING.

MASONRY INSTALLED IN COLD WEATHER SHALL MEET ACI 530.1.

EXPANSION ANCHORS

EXPANSION ANCHORS SHALL BE HILTI "KWIK BOLT II", RED HEAD "TRUBOLT", OR APPROVED EQUIVALENT. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND THE PRODUCT ICBO REPORT. MINIMUM EMBEDMENT SHALL BE 8 DIAMETERS UNLESS NOTED OTHERWISE.

STRUCTURAL TIMBER NOTES

MATERIALS:

- A. SAWN LUMBER AND TIMBER: HEM-FIR, NO. 2

THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL TIMBER MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR REVIEW OF THE ARCHITECT.

NO WOOD TREATMENTS OR PRESERVATIVES SHALL BE USED WITHOUT PRIOR REVIEW OF THE ENGINEER. ALL SAWN LUMBER IN CONTACT WITH CMU, CONCRETE OR EARTH SHALL BE TREATED FOR SUCH PURPOSE.

ALL NAILS SHALL BE COMMON WIRE NAILS, UNLESS NOTED OTHERWISE. NAILING SHALL CONFORM TO TABLE 2304.9.1 OF THE 2000 IBC. NAILS SHALL BE DRIVEN FLUSH, HEADS SHALL NOT BE DRIVEN BEYOND TIMBER SURFACE. MINIMUM NAIL DIMENSIONS ARE AS FOLLOWS:

Table with 3 columns: NAIL SIZE, PENNY WT, LENGTH, INCHES, DIAMETER, INCHES. Includes handwritten notes like '10/22/05' and '16'.

WOOD PLATES SHALL BE BOLTED TO WALLS/FOUNDATIONS WITH 5/8-INCH DIAMETER GALV BOLTS. MINIMUM EMBEDMENT SHALL BE 6 INCHES AND MAXIMUM SPACING SHALL BE 16 INCHES ON CENTER. ALL BOLTS SHALL HAVE 2 INCH X 2 INCH X 3/16 INCH THICK GALV PLATE WASHERS. STANDARD WASHERS SHALL BE USED UNDER ALL OTHER BOLT HEADS AND NUTS CONTACTING WOOD.

WHERE 3x FRAMING IS INDICATED, IT MAY BE REPLACED WITH SPICED DOUBLE 2x MEMBERS. WHERE 4x FRAMING IS INDICATED, IT MAY BE REPLACED WITH SPICED TRIPLE 2x MEMBERS. SPLICE PIECES PER 2000 IBC TABLE 2304.9.1. FACE NAIL MULTIPLE MEMBERS TOGETHER WITH 16d NAILS AT 6-INCHES ON-CENTER.

ALL CONNECTION HARDWARE AND FASTENERS IN CONTACT WITH PRES TREATED LUMBER SHALL BE HOT-DIP GALV.

PRE-FABRICATED TIMBER TRUSSES

WOOD TRUSSES SHALL MEET THE ANSI / TPI 1 NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION. TRUSSES SHALL BE HANDLED, INSTALLED, AND BRACED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE HIB-91 COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES. DESIGN FOR TRUSS BRACING SHALL BE IN ACCORDANCE WITH TRUSS PLATE INSTITUTE DSB-89 RECOMMENDED DESIGN SPECIFICATION-FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES. TRUSS DESIGN DRAWINGS SHALL CONFORM TO IBC 2000 SECTION 2303.4.1. DESIGN TRUSSES FOR THE FOLLOWING LOADS IN ADDITION TO THOSE LISTED IN STRUCTURAL DESIGN DATA:

DEAD LOADS: TOP CHORD 100 PSF, BOTTOM CHORD 20 PSF (CONCURRENT WITH OTHER LOADS)

LIMIT DEFLECTION UNDER TOTAL LOAD TO L/240 AND DEFLECTION UNDER SNOW LOAD TO L/360.

THE DURATION FACTOR FOR SNOW LOADS SHALL BE 1.0.

EACH TRUSS SHALL BE MARKED WITH NOTES SPECIFYING THE DESIGN LOADING, MAXIMUM SPACING, AND MAXIMUM SPAN.

TOP CHORDS SHALL BE EITHER 3x FRAMING OR 2x FRAMING WITH A SECOND 2x NAILER SECURED TO THE SIDE. MINIMUM OF 2 1/2" NAILING SURFACE REQUIRED FOR DIAPHRAGM NAILING WITHIN 8'-0" OF OUTSIDE WALL.

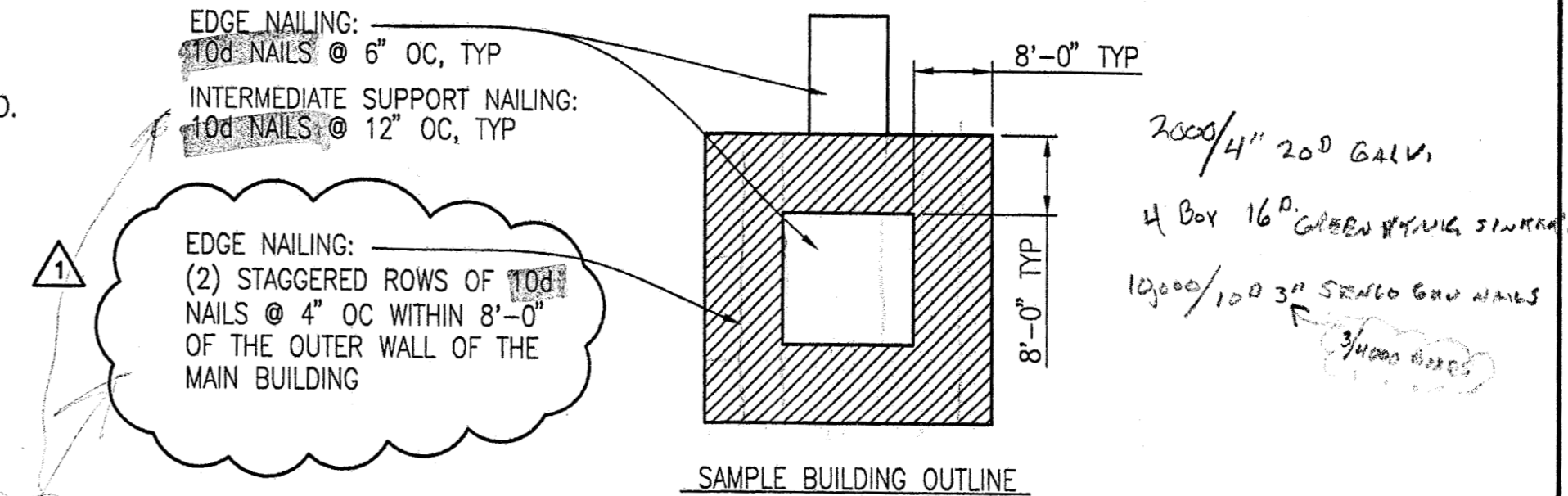
DEFERRED SUBMITTALS

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION OR INSTALLATION. ALL STRUCTURAL CALCULATIONS AND DRAWINGS SHALL BE PREPARED AND SIGNED BY AN ALASKA REGISTERED PROFESSIONAL ENGINEER.

STRUCTURAL CALCULATIONS AND SHOP DRAWINGS FOR PREFABRICATED TIMBER TRUSSES.

ROOF SHEATHING

ROOF SHEATHING SHALL BE 3/4" APA EXTERIOR 48/24 RATED SHEATHING. ALL SHEATHING EDGES SHALL BE BLOCKED WITH 3x OR DOUBLE 2x FRAMING. SHEATHING NAILING INTO DOUBLE 2x SHALL BE STAGGERED. ORIENT SHEATHING WITH THE LONG AXIS ACROSS THE SUPPORTS. NAILING IN ACCORDANCE WITH FIGURE BELOW.



REINFORCING BAR LAP SPLICES

ALL REINFORCEMENT LAP SPLICES SHALL BE AS FOLLOWS:

Table with 3 columns: BAR SIZE, USAGE, LAP SPLICE LENGTH. Lists requirements for #4, #5 CMU and slab reinforcement.

NOTE: 5/8" x 5" EMBED HILTI HIT HYDRO ADHESIVE ANCHORS MAY BE SUBSTITUTED FOR 5/8" ANCHOR RODS IN BOTH SILL PLATE AND ANCHORAGE DETAIL 4/5-SOZ.

SPECIAL INSPECTION w/ TERRA FIRMA.

DEFERRED SUBMITTAL ITEMS

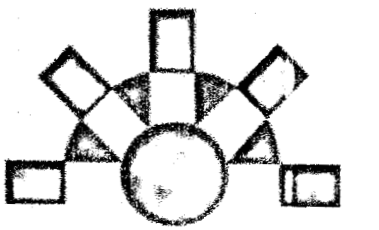
The following items are deferred submittal items. They must be submitted to Building Safety Plan Review for review and approval prior to installation, construction, and inspection.

- TRUSS ENGINEERING AND PLANS SEALED BY A.E. LICENCED PROFESSIONAL ENGINEER SUBMIT FOR RED INK APPROVAL BAK

SPECIAL INSPECTION stamp: Contractor shall call for special inspections... REINFORCED MASONRY IN ACCORDANCE WITH SECTION 1704.5 OF THE IBC BAK 10/22/05

SPECIAL INSPECTION stamp: Contractor shall call for special inspections according to the Special Inspection Program... ANCHORS IN ACCORDANCE WITH MANUFACTURERS I.C.I. EVALUATION REPORT BAK 10/22/05

ANHC PHASE I SITE IMPROVEMENTS

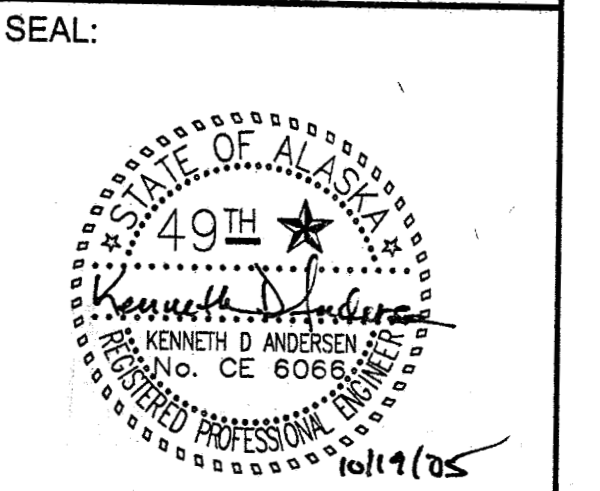


Reid Middleton logo

4300 B Street, Suite 302 Anchorage, Alaska 99503 Phone: 907 562-3439 Email: kandersen@reidmiddok.com



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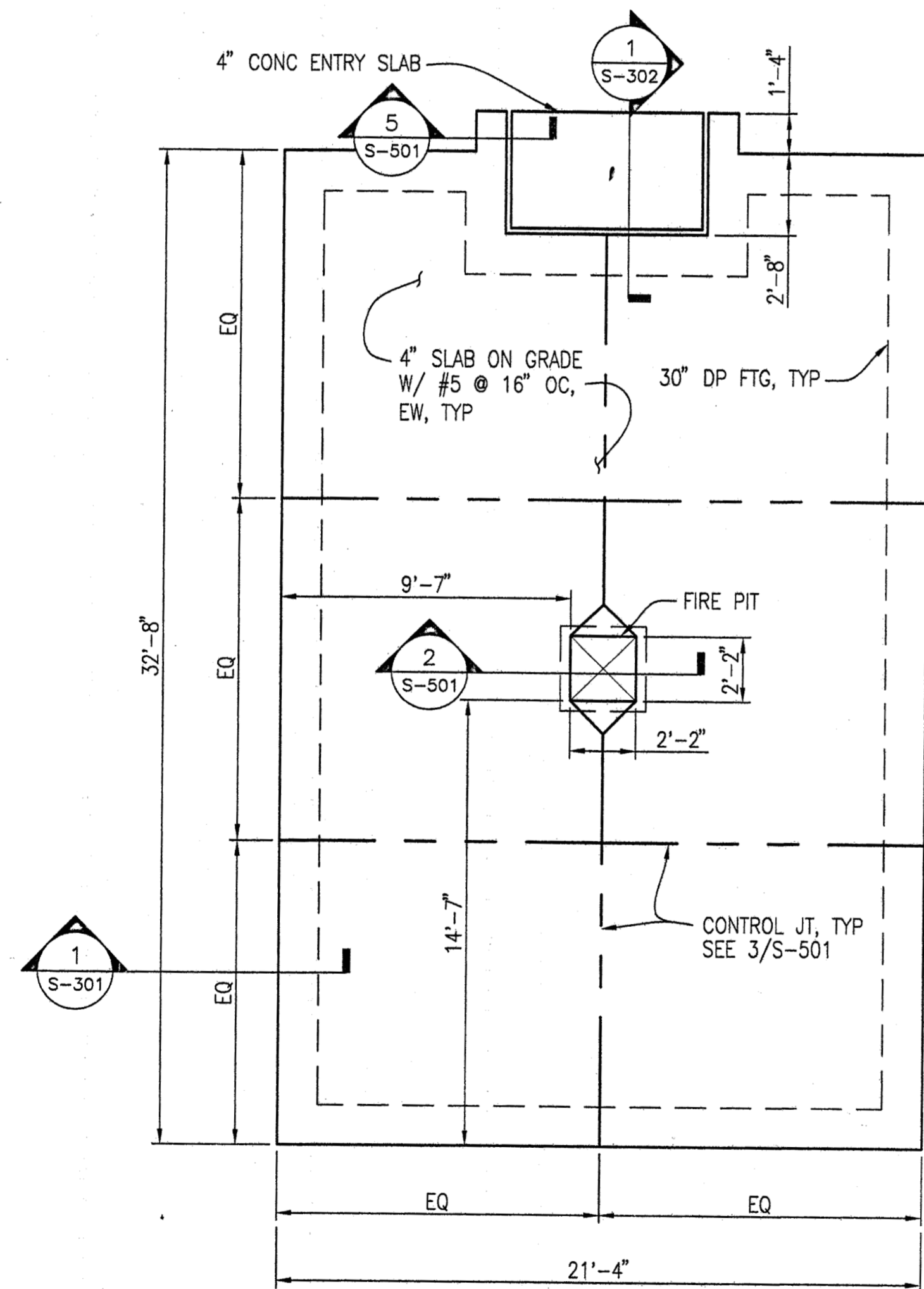


DATE: 10-05-05 JOB NO.: ANH0505 DRAWN BY: CSB CHECKED BY: DS DRAWING TITLE: GENERAL NOTES

SHEET NO.: S-001

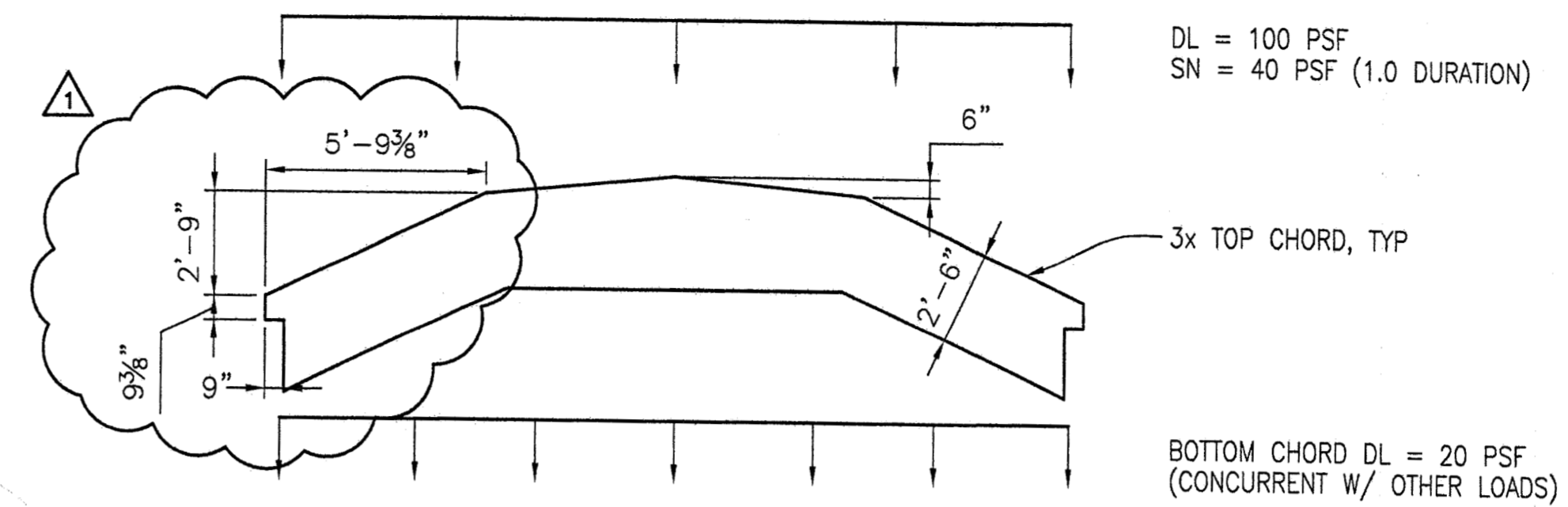
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CONSTRUCTION DOCUMENTS CONTRACTOR'S COPY

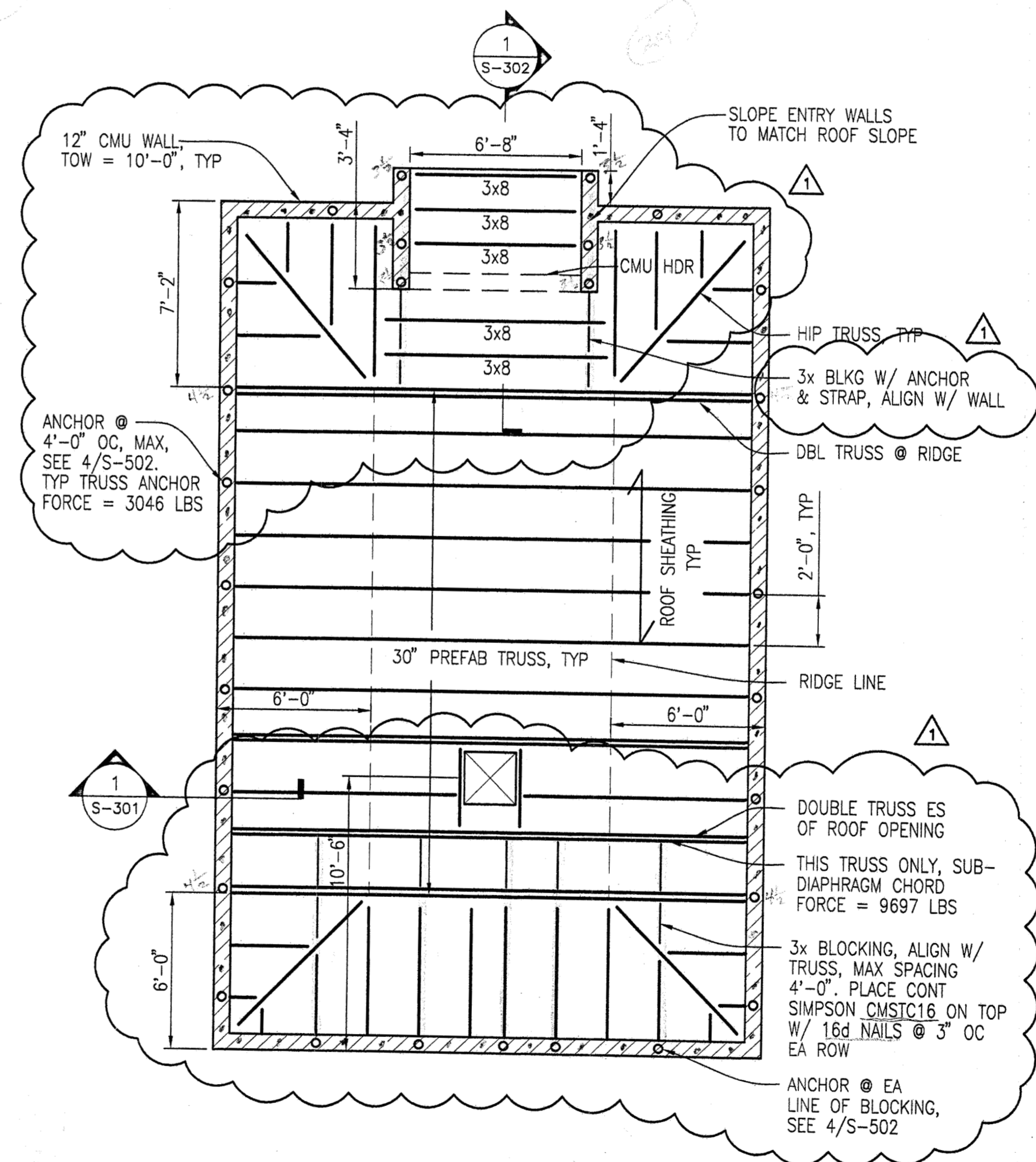


1 BUILDING #1
CIQLLUAQ - SLAB PLAN
SCALE 1/4" = 1'-0"

Handwritten notes:
 240 LBS PER LINE
 240 LBS PER LINE
 113 BAYS AND MARKER
 58' CLS
 120 LBS 2X10 TRUSS
 120 LBS 3X12 TRUSS
 23/5 HP BATTEN
 6' W



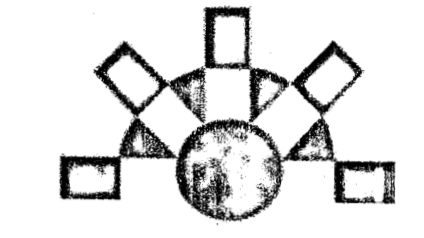
3 TRUSS PROFILE AND LOADS
SCALE 1/4" = 1'-0"



2 BUILDING #1
CIQLLUAQ - ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"

APPROVED
 OCT 2 @ 2005
 BRIAN KINGSBURY

**ANHC PHASE I
SITE
IMPROVEMENTS**

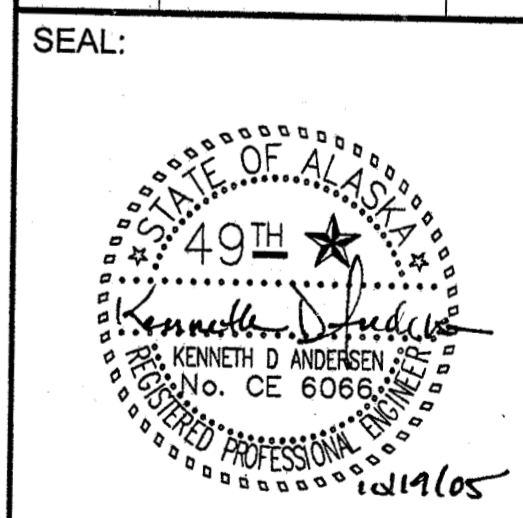


Reid Middleton

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 Email: kandersen@reidmiddleton.com

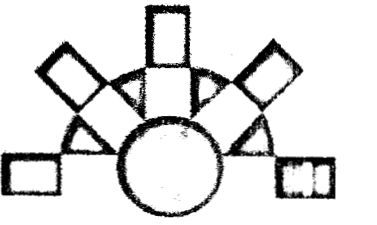


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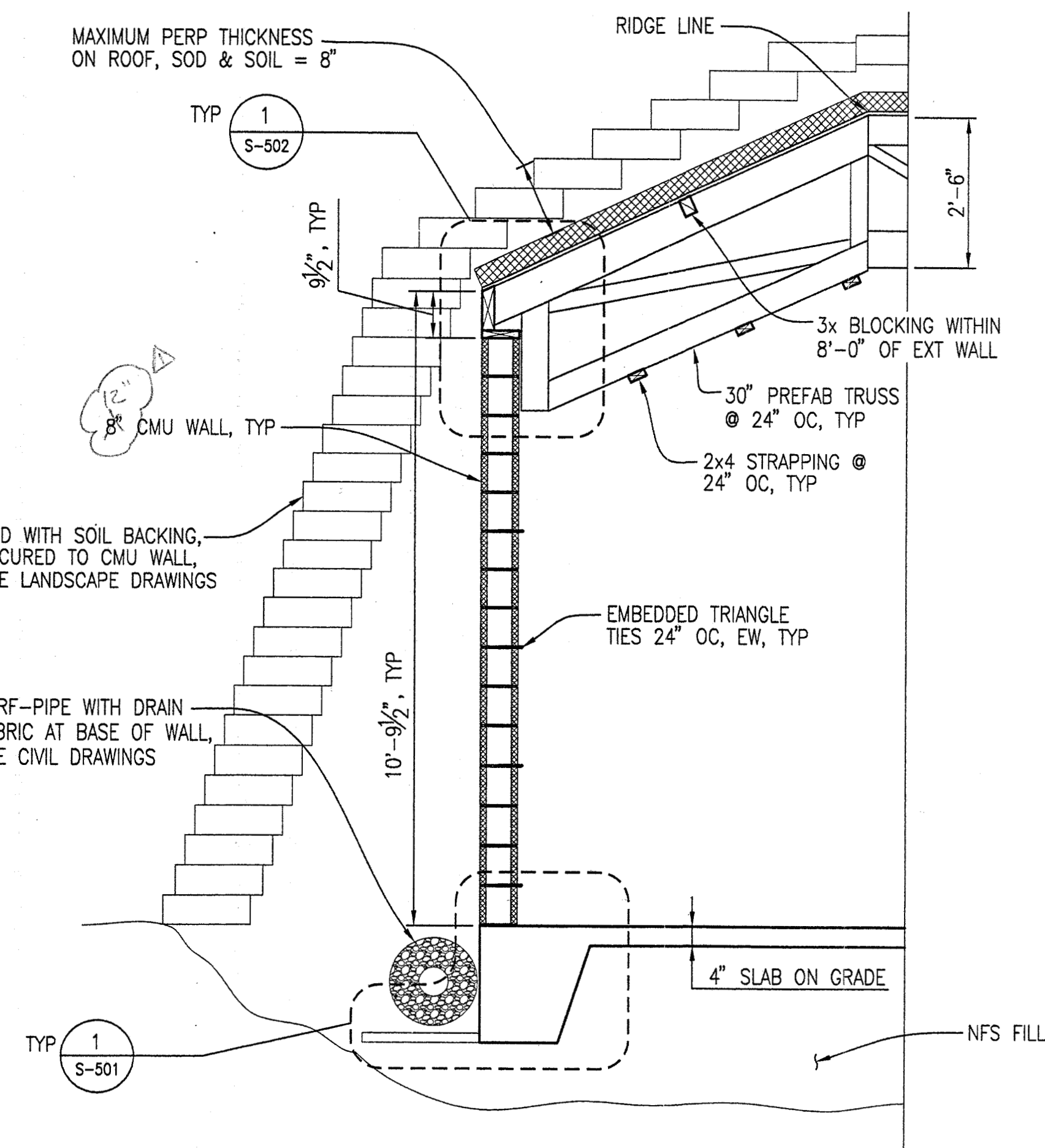
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 DRAWN BY: CSB
 CHECKED BY: DS
 DRAWING TITLE:
**BUILDING #1
 SLAB & ROOF
 PLANS**
 SHEET NO.:
S-101

ANHC PHASE I
SITE
IMPROVEMENTS

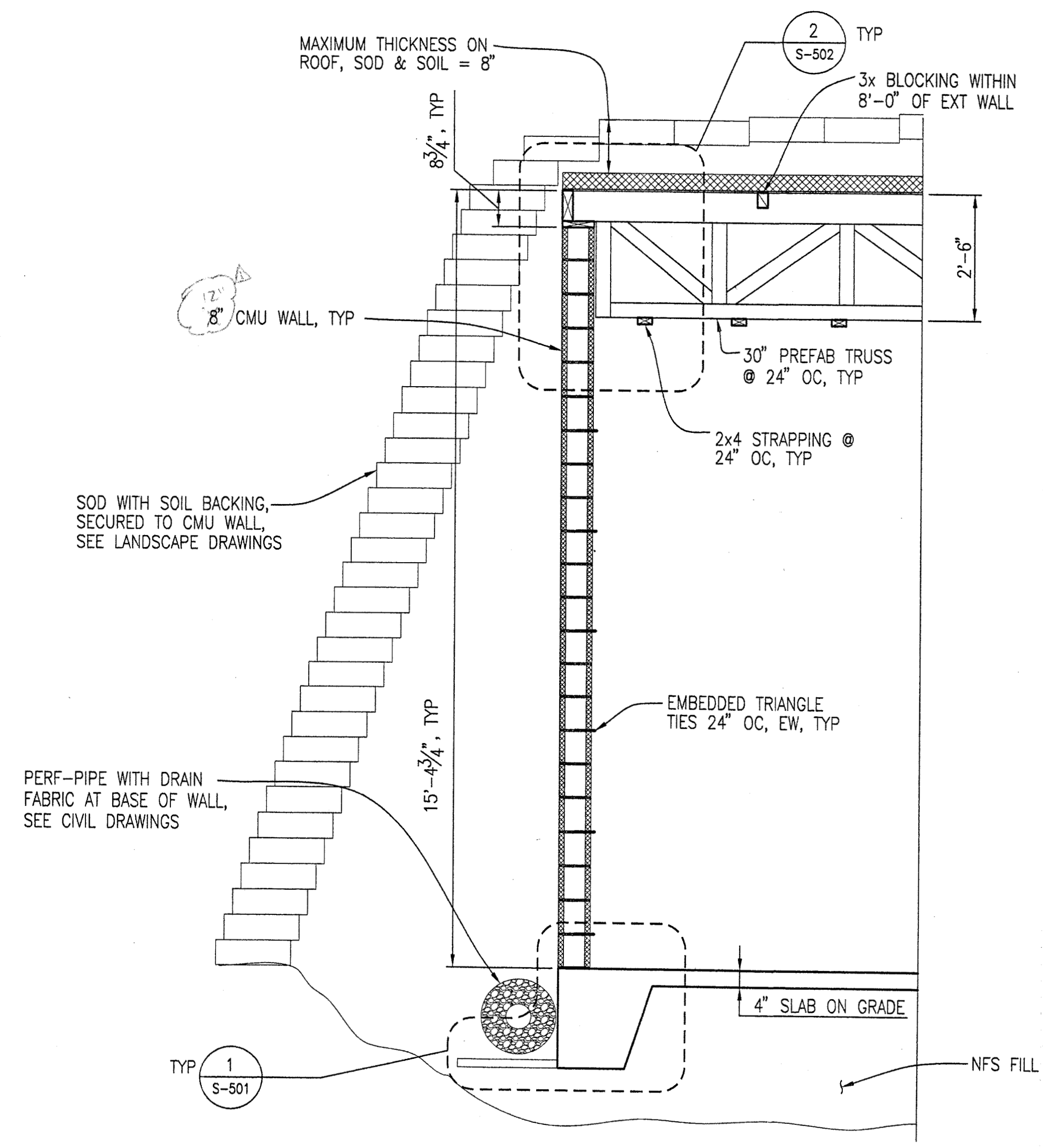


Reid Middleton

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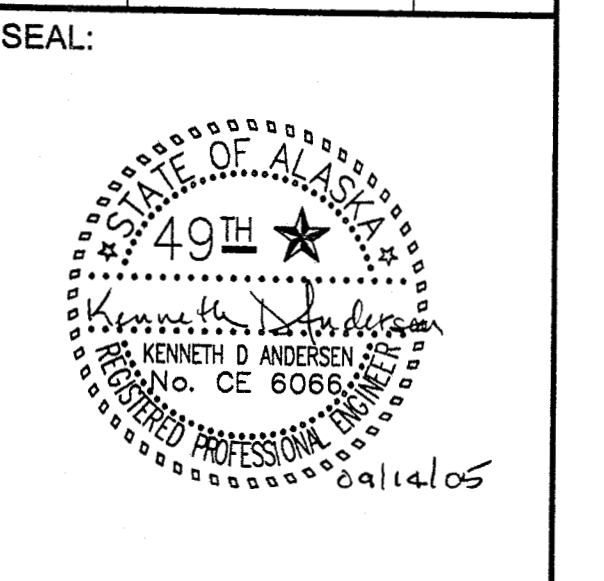


1 TYPICAL BUILDING #1
& #2 WALL SECTION
SCALE 1/2" = 1'-0"



2 TYPICAL BUILDING #3
& #4 WALL SECTION
SCALE 1/2" = 1'-0"

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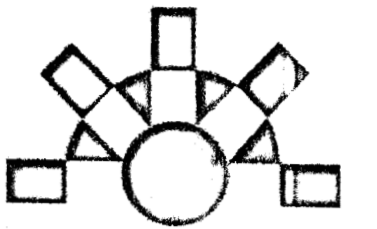


DATE: 09-14-05
JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
SECTIONS

SHEET NO.:
S-301
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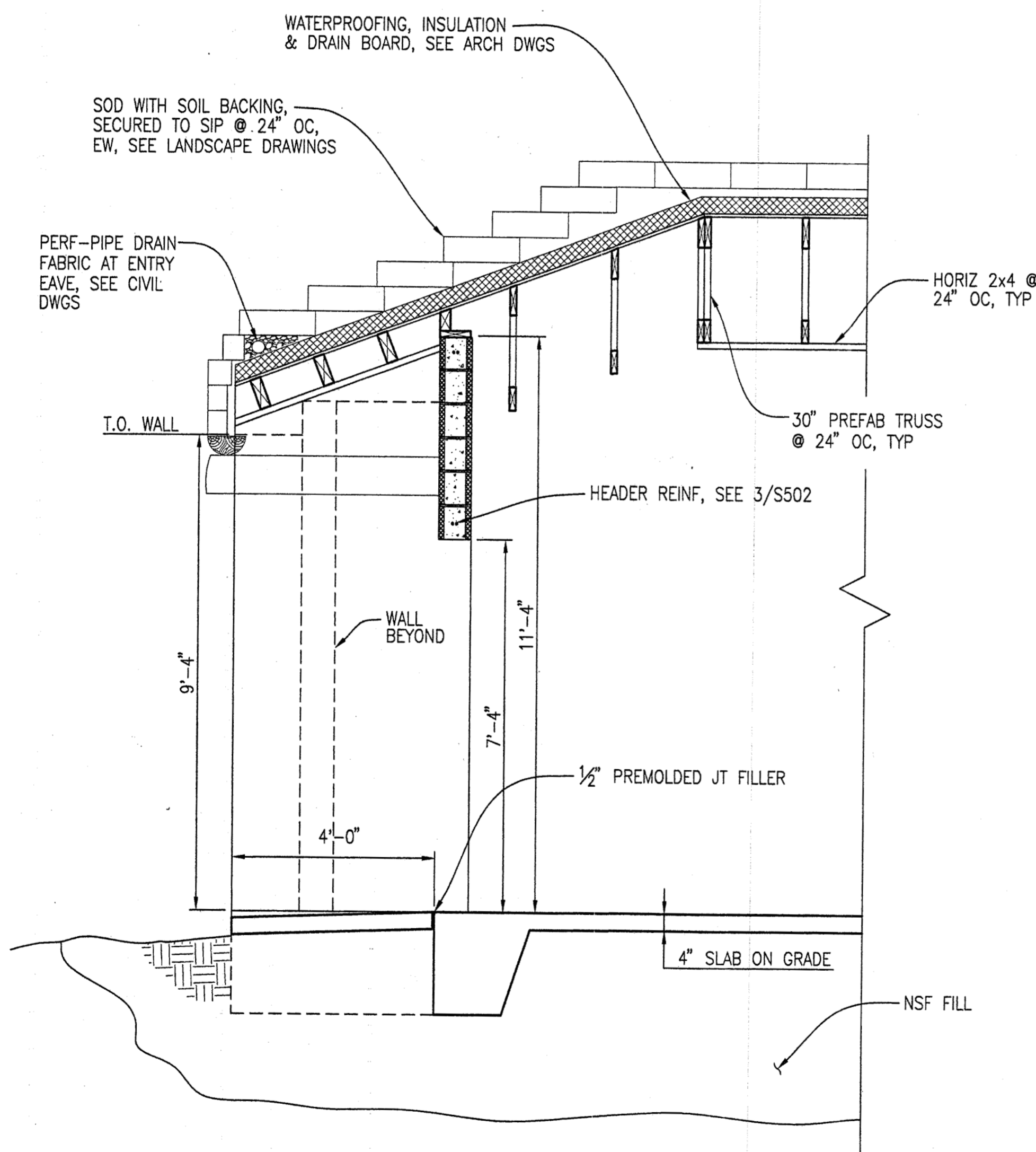
CONSTRUCTION DOCUMENTS

ANHC PHASE I
SITE
IMPROVEMENTS

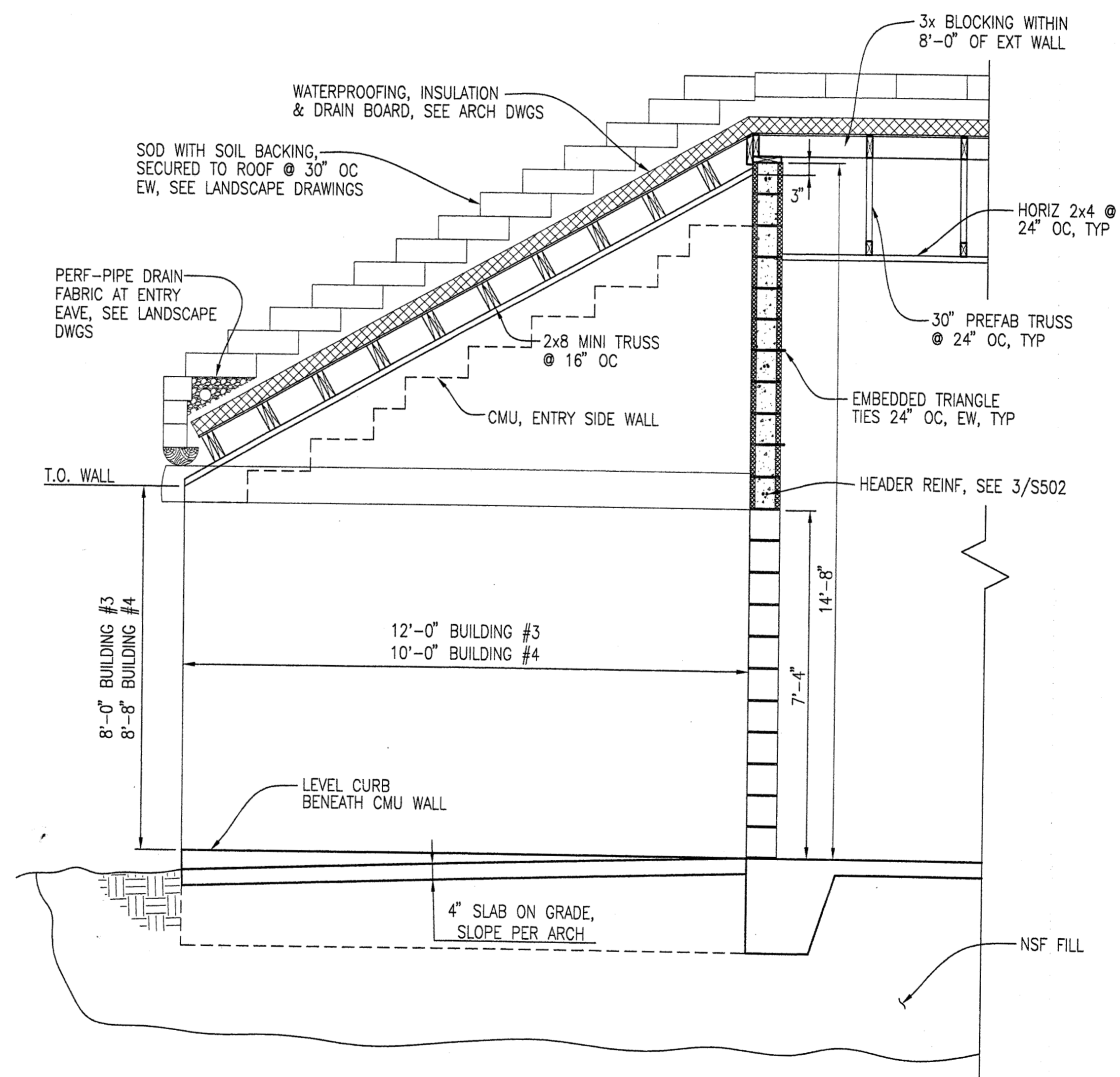


Reid Middleton

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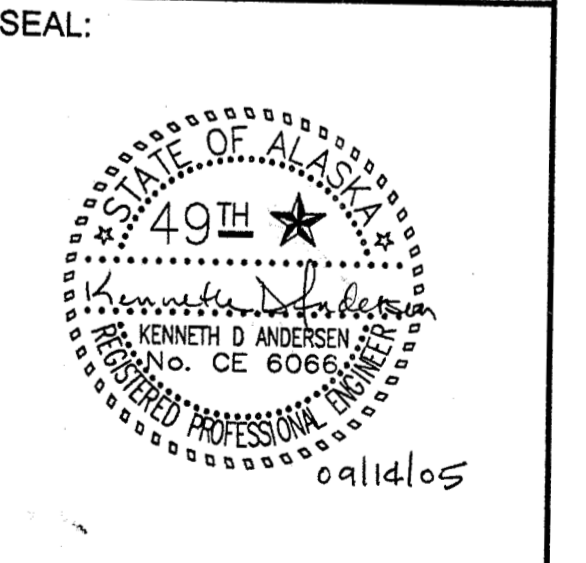


1 TYPICAL BUILDING #1
& #2 WALL SECTION
SCALE 1/2" = 1'-0"



2 BUILDING #3 & #4
ENTRY WALL SECTION
SCALE 1/2" = 1'-0"

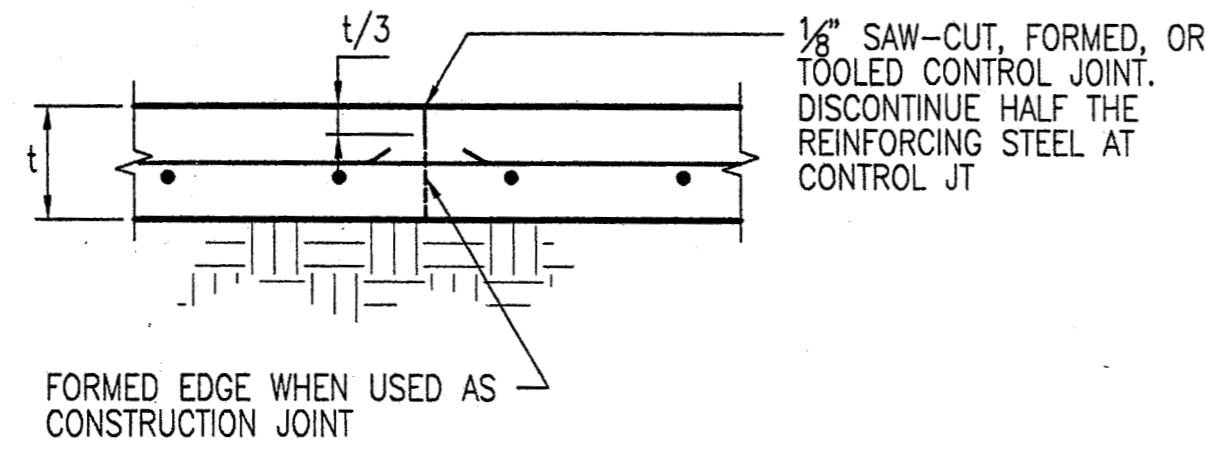
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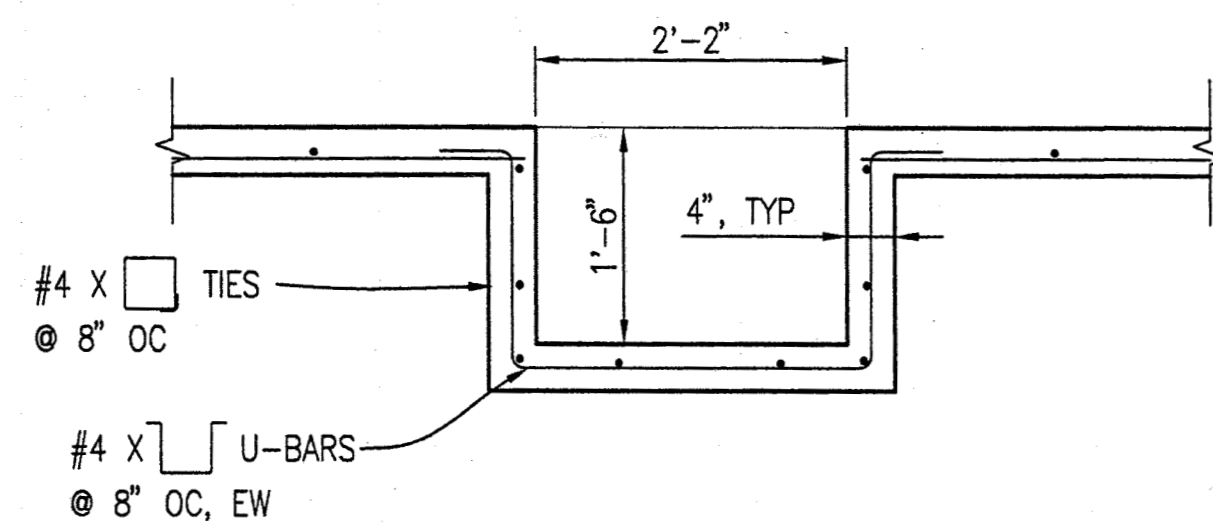
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JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
ENTRY SECTIONS

SHEET NO.:
S-302
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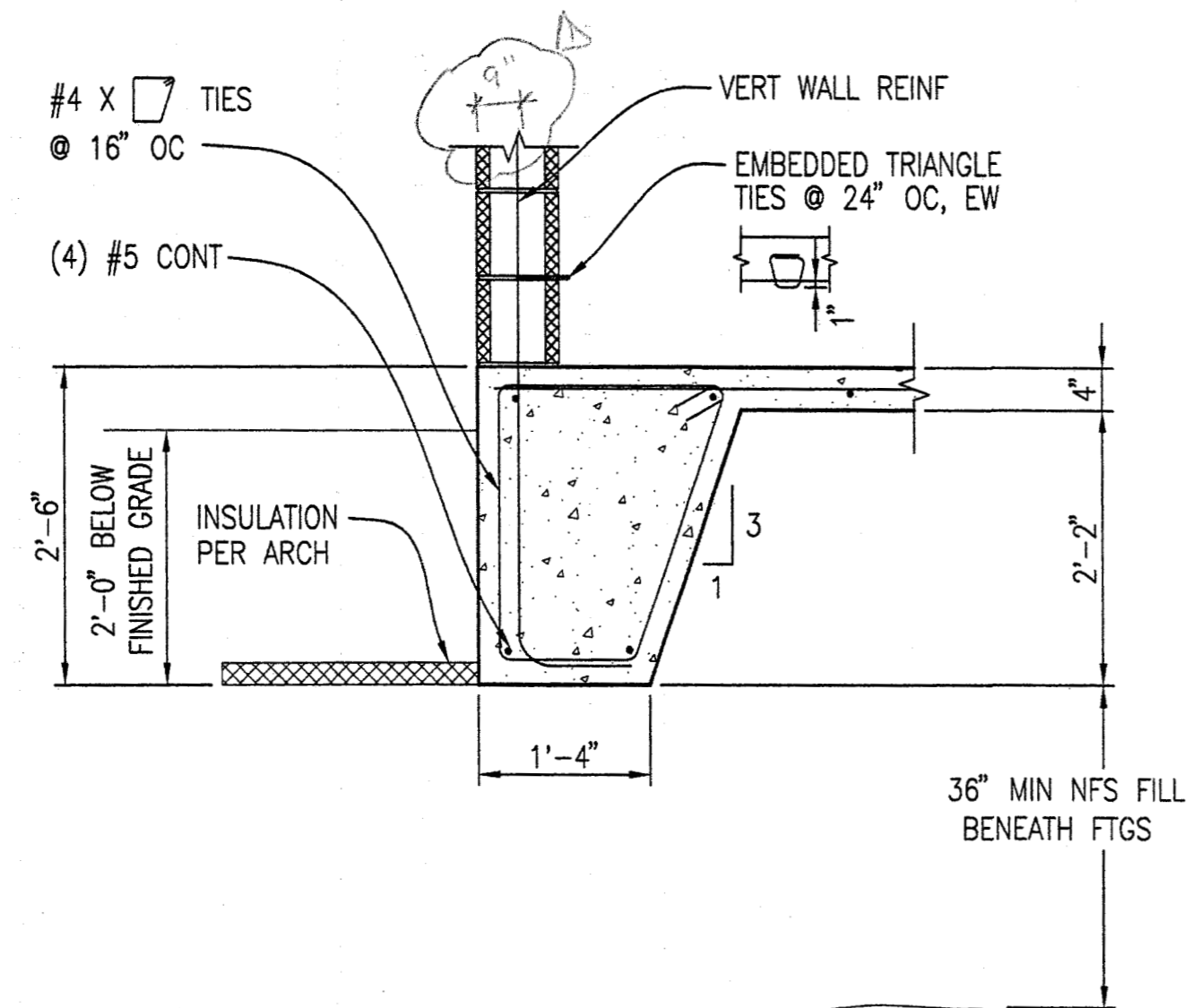
CONSTRUCTION DOCUMENTS



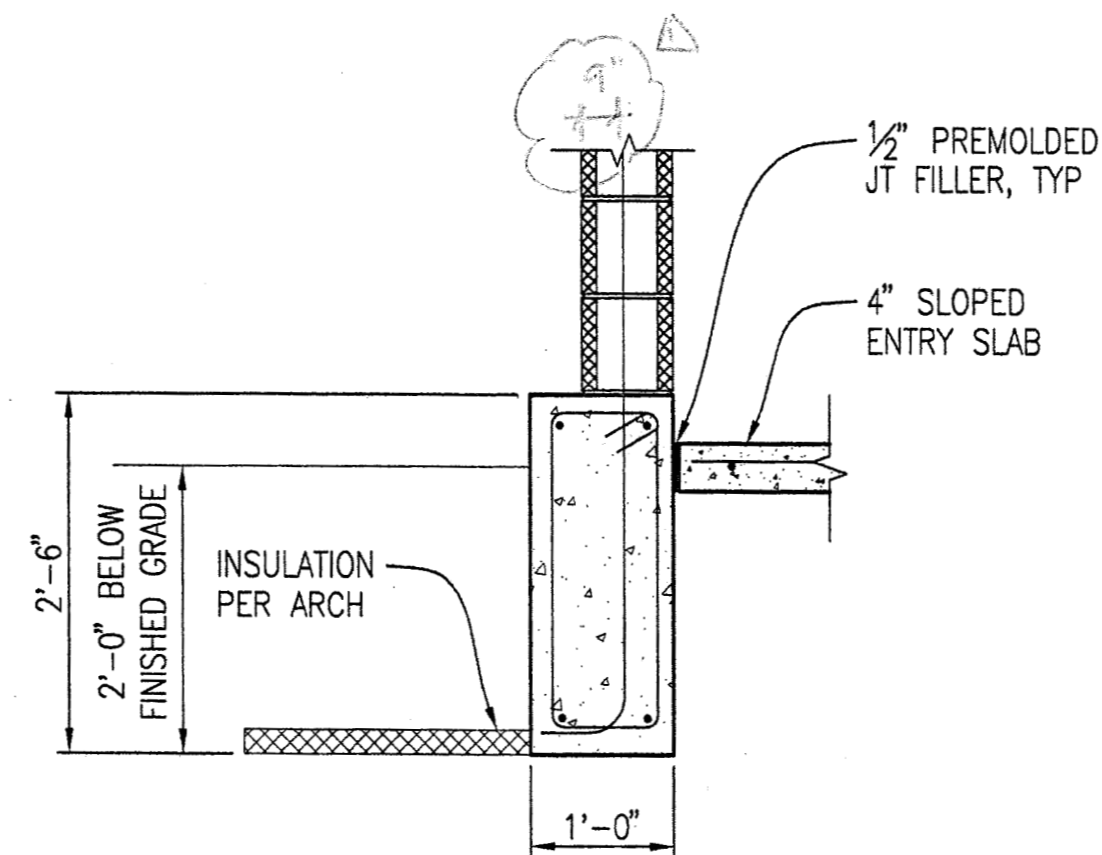
3 TYP CONTROL JOINT
SCALE 1/4" = 1'-0"



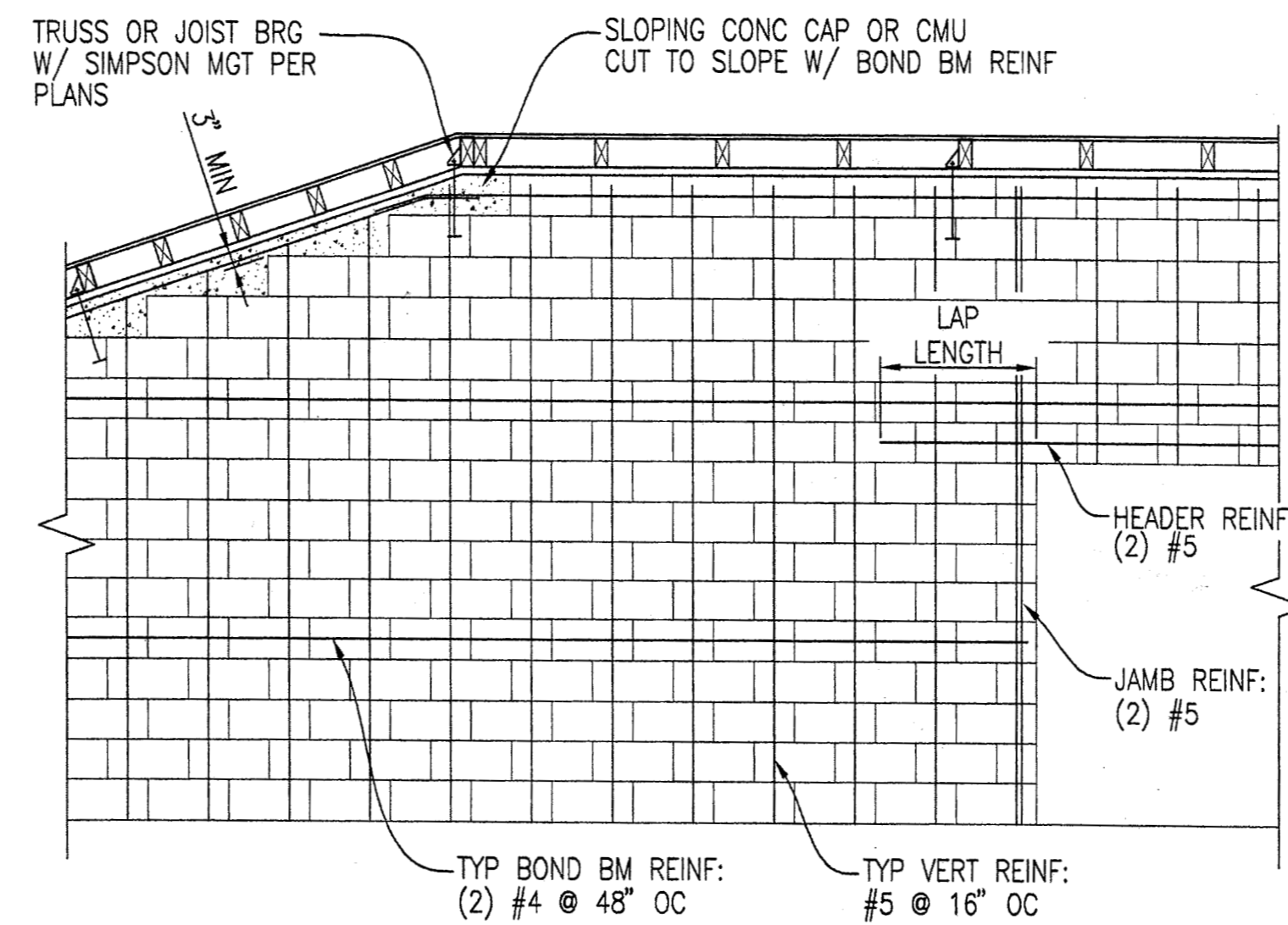
2 FIRE PIT SECTION
SCALE 1/4" = 1'-0"



1 TYPICAL SHALLOW FOOTING
SCALE 3/4" = 1'-0"

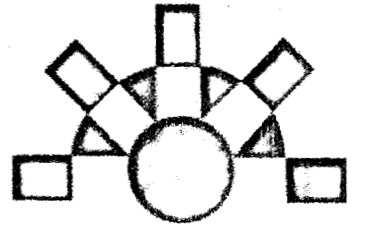


5 FOOTING AT ENTRY
SCALE 3/4" = 1'-0"



4 TYPICAL CMU WALL ELEVATION
SCALE 3/8" = 1'-0"

ANHC PHASE I
SITE
IMPROVEMENTS

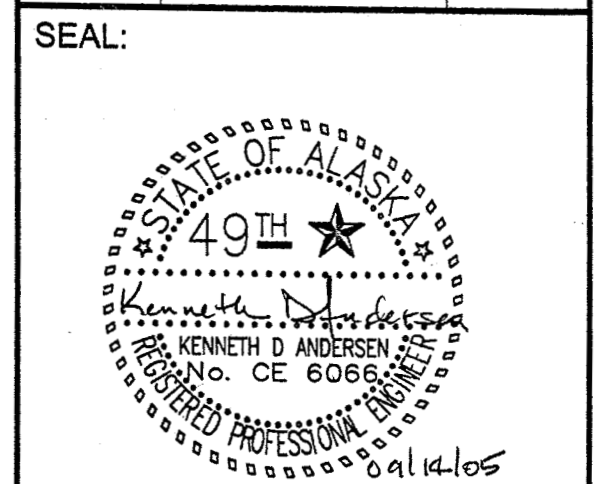


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| REV. | COMMENT | DATE |
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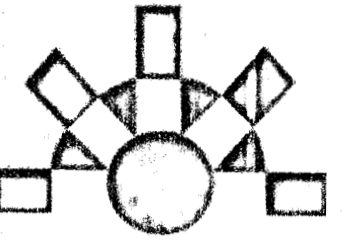
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JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
DETAILS

SHEET NO.:
S-501

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CONSTRUCTION DOCUMENTS

ANHC PHASE I
SITE
IMPROVEMENTS

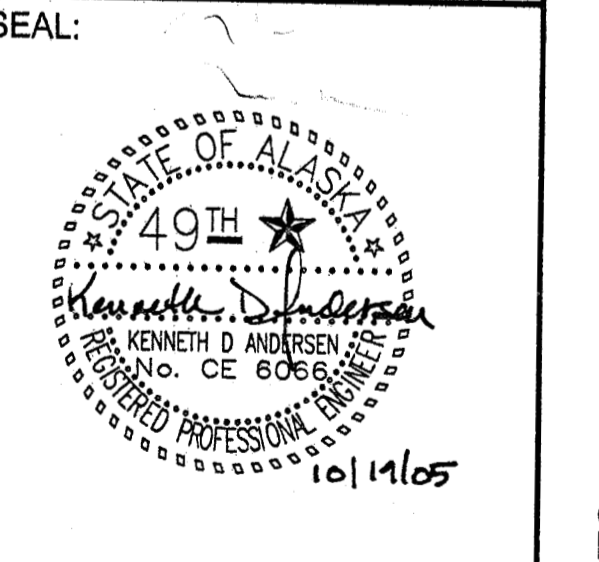


Reti Middleton

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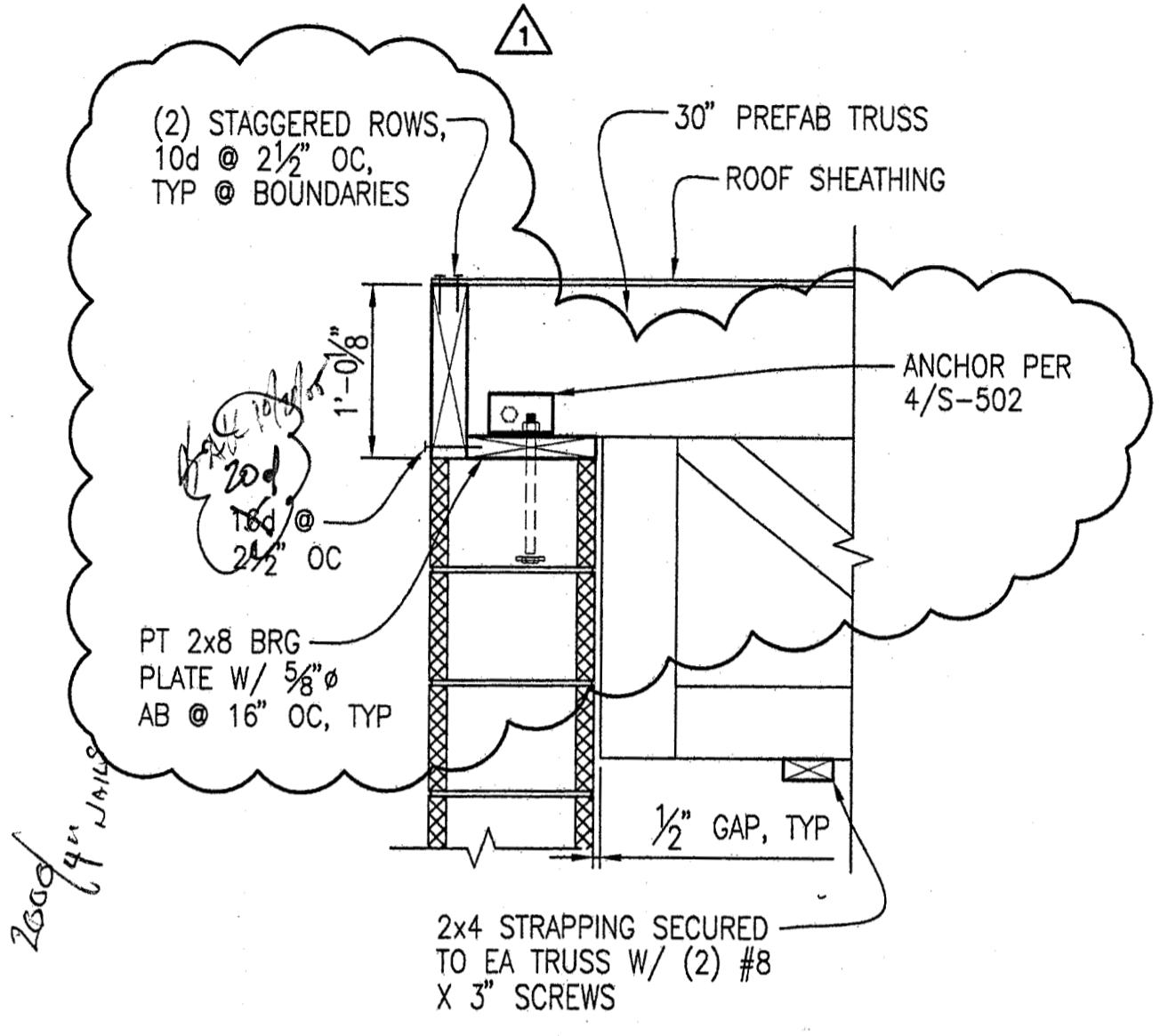
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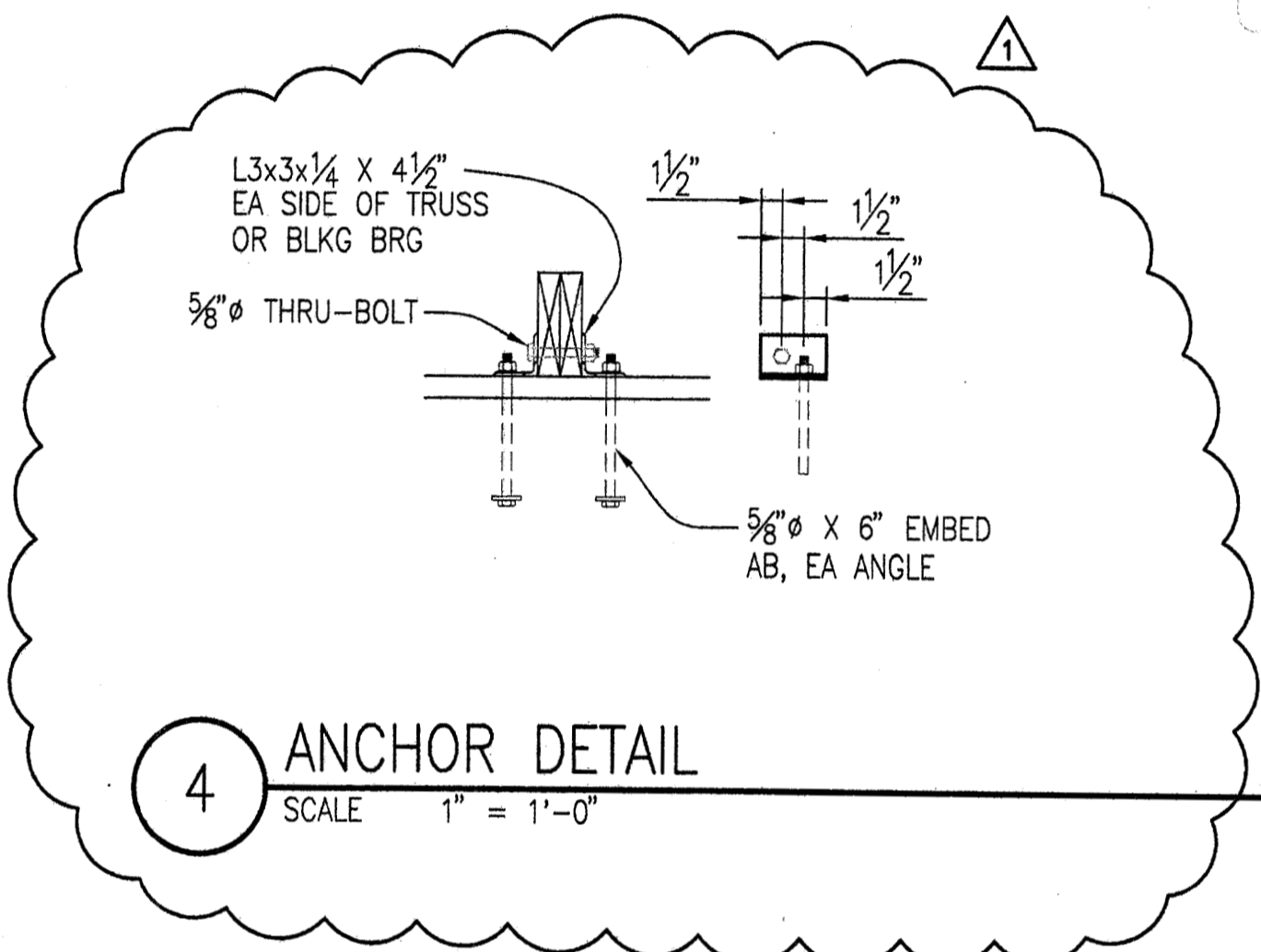
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JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
DETAILS

SHEET NO.:
S-502
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CONSTRUCTION DOCUMENTS



2 BUILDINGS #3 & #4 EAVE
SCALE 1" = 1'-0"

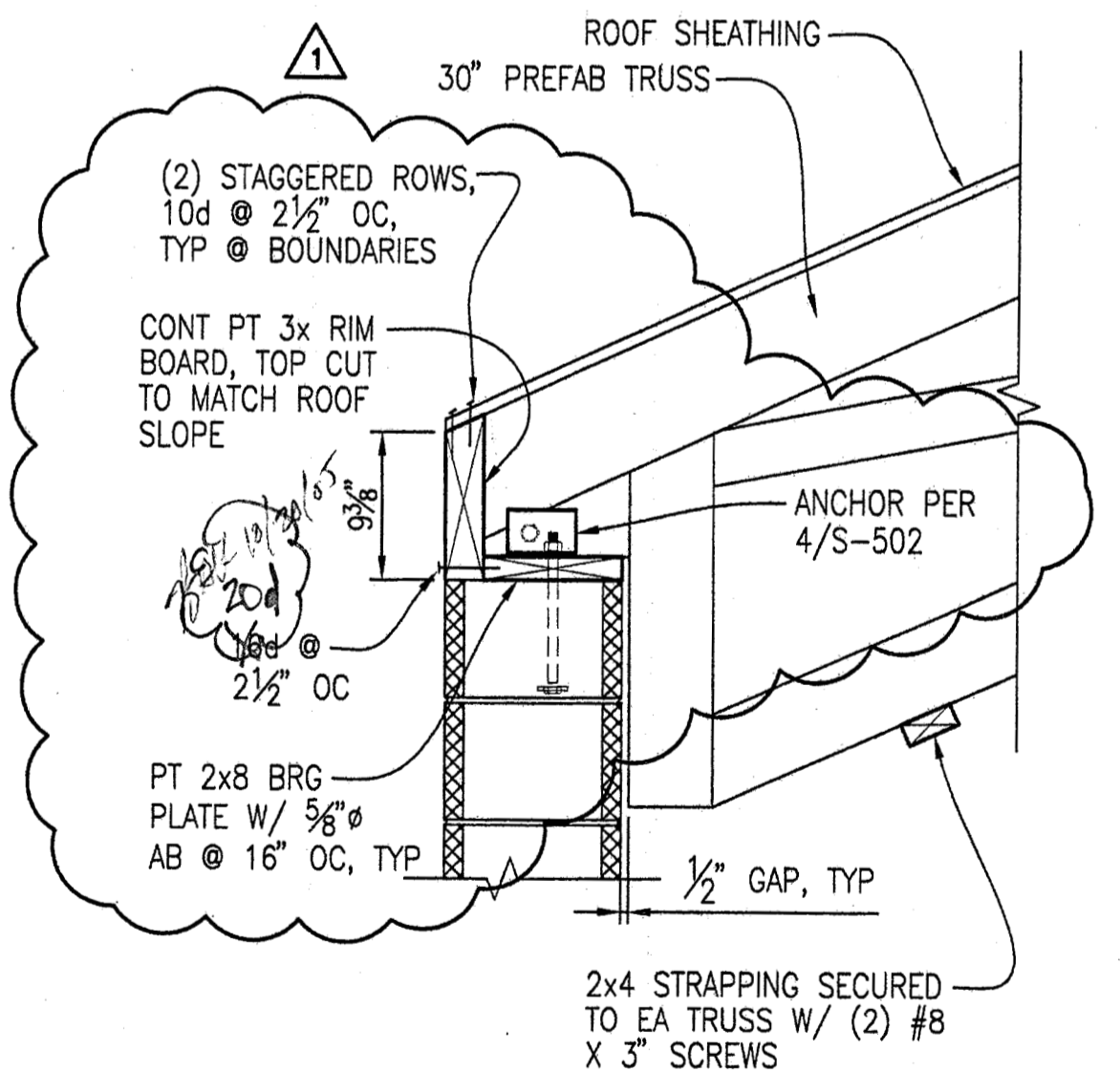


4 ANCHOR DETAIL
SCALE 1" = 1'-0"

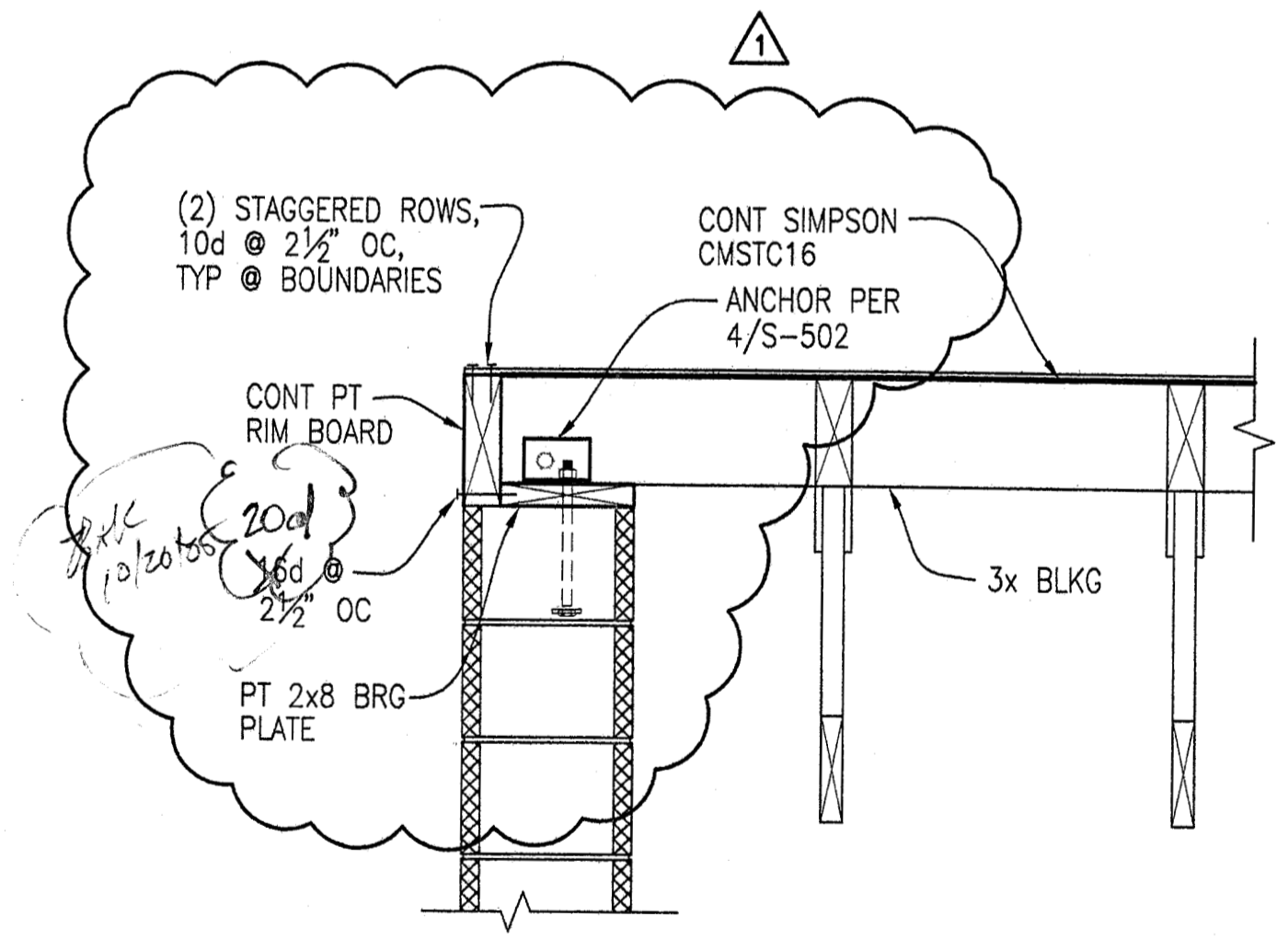
190 CHIPS
85 RUST
2' DEPT

360 5/8" x 9" GALV ALL THREAD
340 5/8" GALV NUTS
360 2x2"x3/8" GALV PLATE W/ NUTS

1 ANCHOR CASTER 2x4 EA -
HIGH ICE SYSTEM EFFECT



1 BUILDINGS #1 & #2 EAVE
SCALE 1" = 1'-0"



3 TYPICAL BUILDING RAKE
SCALE 1" = 1'-0"

APPROVED
OCT 29 2005
BRIAN KINGSEBURY

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, SITE CONDITIONS, SPECIFICATIONS AND THESE NOTES SHALL BE REPORTED TO THE ARCHITECT AT ONCE

ALL NEW CONSTRUCTION SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE 2000 (IBC 2000)

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE O.S.H.A. SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

REFER TO S-001 FOR MATERIALS AND GENERAL STRUCTURAL NOTES NOT REFERENCED HERE.

STRUCTURAL DESIGN DATA

CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE STRUCTURES BY BRACING OR OTHER MEANS.

DESIGN BASIS: IBC 2000 (AS AMENDED BY THE MUNICIPALITY OF ANCHORAGE)

SEISMIC LOADS: DESIGNED USING SECTION 1621; RIGID, LIMITED DEFORMABILITY ELEMENT AND ATTACHMENTS; $S_{DS} = 1.00$; $I_p = 1.0$; $F_p = 0.48 X W_p$

STRUCTURAL TIMBER NOTES

LUMBER USED FOR INTERIORS TO BE FOUND MATERIAL, AS SUPPLIED BY THE OWNER. VISUAL INSPECTION SHALL CONFIRM THE SOUNDNESS OF EACH MEMBER PRIOR TO ITS USE IN THE BUILDING. THE CENTER OF ANY LOGS OVER SIX INCHES IN DIAMETER SHALL BE PROBED TO DETERMINE SOUNDNESS. A STRUCTURAL OBSERVATION BY THE E.O.R. OF THE PRIMARY POSTS AND BEAMS IS REQUIRED PRIOR TO THE APPLICATION OF FINISHES TO ENSURE SOUNDNESS.

ALL LUMBER IN CONTACT WITH CMU, CONCRETE OR EARTH SHALL BE SAWN LUMBER TREATED FOR SUCH PURPOSE. ALL CONNECTION HARDWARE AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIP GALV.

LOG SIZES INDICATED IN PLANS ARE MAXIMUM NOMINAL MEMBER SIZES AS INDICATED BY THE DESIGNER. SMALLER SIZES ARE ACCEPTABLE FOR STRENGTH. ELEVATIONS AND DIMENSIONS INDICATED ARE ALSO DEPENDENT UPON THE SIZE OF LOGS. VARIATIONS ARE ACCEPTABLE, AS ACCEPTED BY THE OWNER AND DESIGNER.

ADHERE STEEL OR WOODEN DOWELS TO LOGS WITH RESORCINOL-BASED ADHESIVE OR JEFFCO 121 STRUCTURAL ADHESIVE.

1/2-INCH LAG SCREWS REQUIRE A 4" EMBEDMENT. COUNTERSINKING IS ACCEPTABLE, TO A MAXIMUM OF ONE-HALF THE DIAMETER OF THE ATTACHED MEMBER. 1/4" LAG SCREWS REQUIRE 2" EMBEDMENT. PLANKING TO BE FULL-SAWN ROUGH-CUT LUMBER.

SEISMIC CABLE BRACING

DESIGN BASED ON LOOS & CO. CABLE BRACING.

CERTIFIED MINIMUM BREAK STRENGTH OF #12 CABLE = 900 LBS.

THE END OF THE CABLES NEED TO BE FORMED EITHER WITH A PREFABRICATED STAKE-EYE OR A CABLE LOOP AND CRIMPED OVAL.

TURNBUCKLES, WITH A MINIMUM SAFE LOAD OF 600 LBS, ARE REQUIRED IN-LINE WITH TWO CABLES IN EACH FOUR-BRACE CLUSTER. AFTER COMPLETION OF THE STRUCTURE, TURN-BUCKLES NEED TO BE ADJUSTED SUCH THAT THEY ARE NOT SUPPORTING THE WEIGHT OF THE STRUCTURE, BUT ARE TAUGHT.

ADHESIVE ANCHORS

ADHESIVE ANCHORAGE INTO BOTH CMU AND CONCRETE SHALL BE EPCON "A7", HILTI "HIT HY-150" OR APPROVED EQUIVALENT. INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS. MINIMUM EMBEDMENT SHALL BE 8 DIAMETERS UNLESS NOTED OTHERWISE. ANCHORS SHALL BE HOT-DIPPED GALVANIZED WHERE EXPOSED TO WEATHER OR WASHDOWN.

STRUCTURAL STEEL

MATERIALS:
ANGLES, PLATES, DOWELS, MISC: ASTM A36

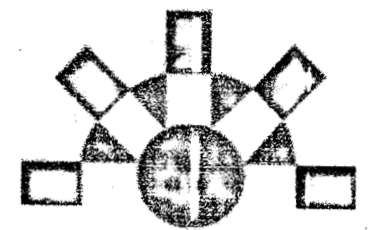
STEEL CONSTRUCTION SHALL CONFORM TO AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND ALL WELDING SHALL CONFORM TO THE AWS D1.1, STRUCTURAL WELDING CODE - STEEL, LATEST EDITION

THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

ABBREVIATIONS

| | | | |
|--------|----------------|------|---------------------------------------|
| ADH | ADHESIVE | LBS | POUNDS |
| B.O. | BOTTOM OF | MIN | MINIMUM |
| BRG | BEARING | OC | ON-CENTER |
| CNTRSK | COUNTER-SINK | PT | PRESSURE TREATED |
| DIR | DIRECTION | T&B | TOP AND BOTTOM |
| (E) | EXISTING | T.O. | TOP OF |
| EA | EACH | TYP | TYPICAL |
| EQ | EQUAL | URC | UNIVERSAL RESTRAINT CLIP (LOOS & CO.) |
| EXT | EXTERIOR | VERT | VERTICAL |
| FF | FINISHED FLOOR | W/ | WITH |
| GALV | GALVANIZED | | |

**ANHC PHASE I
SITE
IMPROVEMENTS**



Reid Middleton

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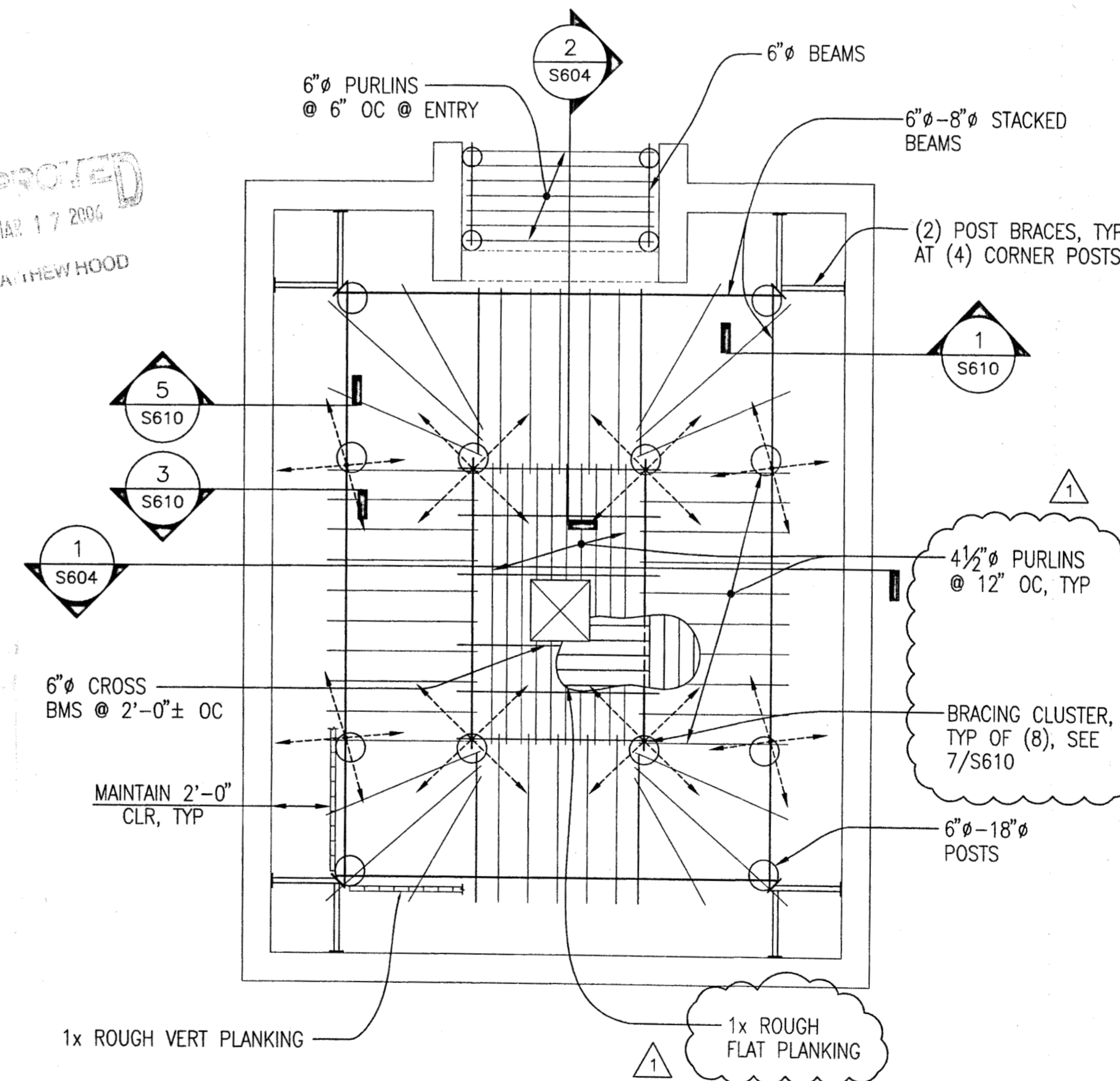


MATTHEW HOOD

Structural Observation by EOR
Required to verify quality
of log member
-mhr
3/17/06

APPROVED
MAR 17 2006
MATTHEW HOOD
CO#5

APPROVED
MAR 17 2006
MATTHEW HOOD

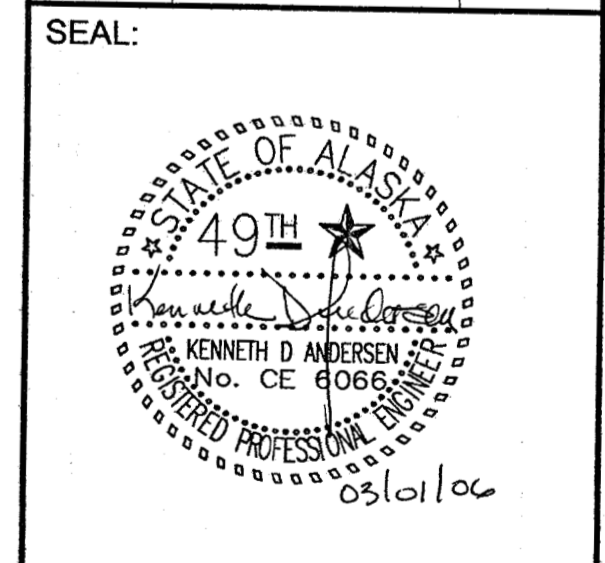


MITTA
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5-5946
CO#5
GS

1 BUILDING #1 INTERIOR PLAN
SCALE 1/2" = 1'-0"

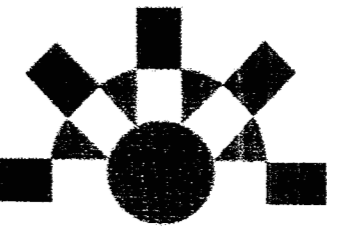
1 BUILDING #2 INTERIOR PLAN
SCALE 1/4" = 1'-0"

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| 1 | REVISION | 3/17/06 |
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DATE: 03-01-06
JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
**INTERIORS:
BLDG #1 & #2
PLANS**
SHEET NO.:
S-602

ANHC PHASE I
SITE
IMPROVEMENTS

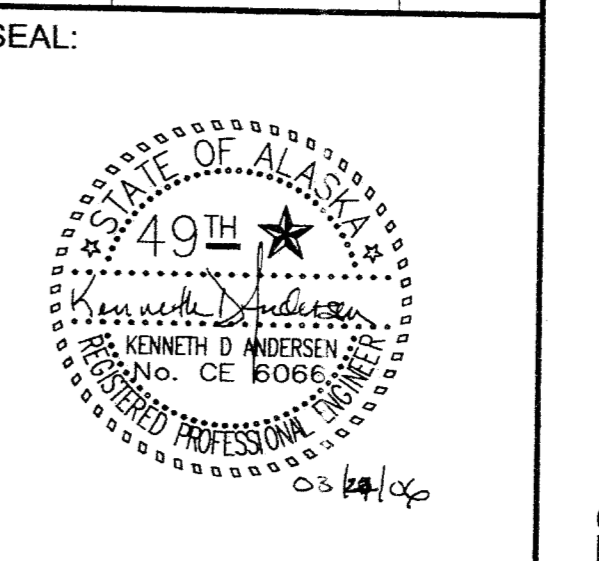


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| REV. | COMMENT | DATE |
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| 2 | BLDG #1 & #3 | 03/24/06 |
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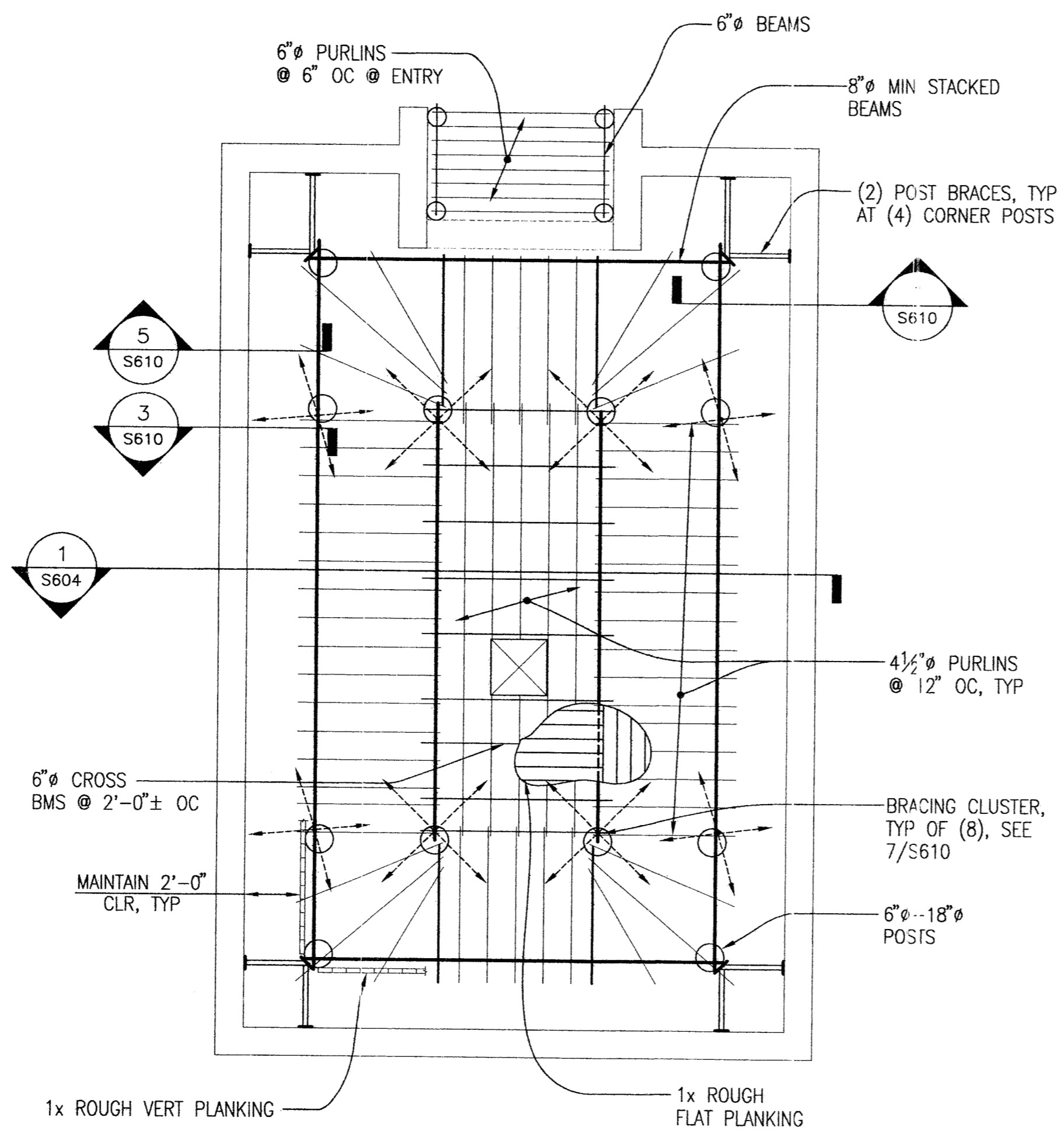


DATE: 03-01-06
JOB NO.: ANH0505
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CHECKED BY: DS
DRAWING TITLE:
**INTERIORS:
BLDG #1 & #3
PLANS**
SHEET NO.:
S-603

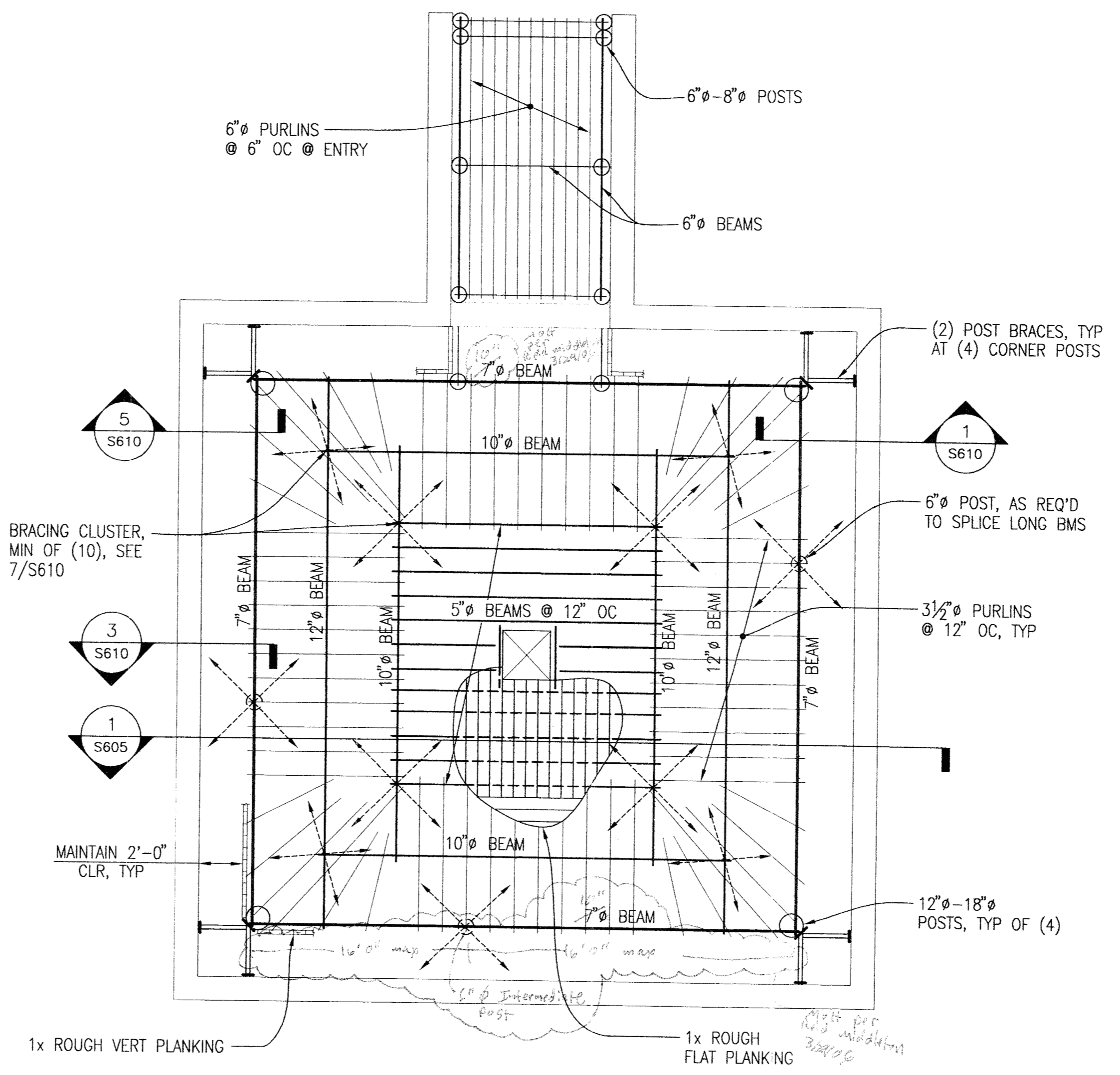
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CONSTRUCTION DOCUMENTS

CO#6
APPROVED
Handwritten signature



1 BUILDING #1 INTERIOR PLAN
SCALE 1/4" = 1'-0"

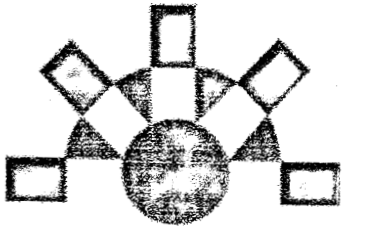


2 BUILDING #3 INTERIOR PLAN
SCALE 1/4" = 1'-0"

SUBMITTA
05-5946

CO#6
JRD

ANHC PHASE I
SITE
IMPROVEMENTS

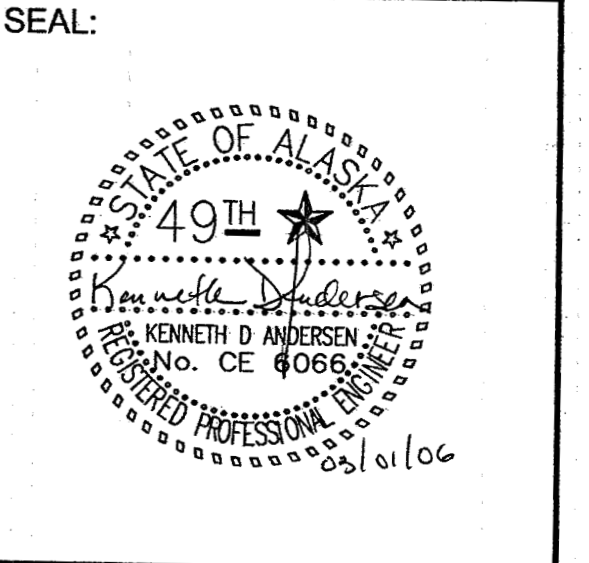


Reid Middleton

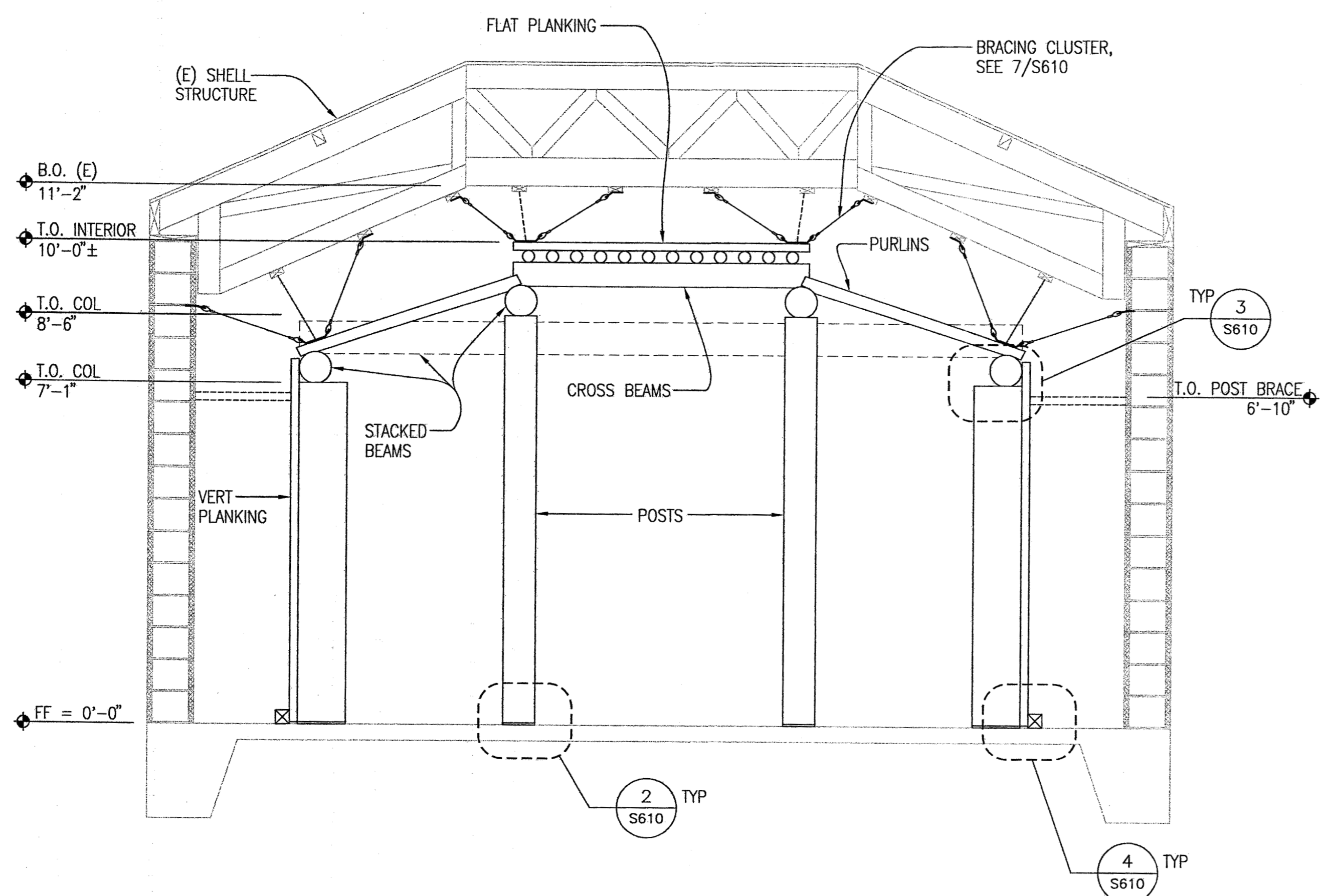
4300 B Street, Suite 302
Anchorage, Alaska 99503
Phone: 907 562-3439
Email: kandersen@reidmiddot.com



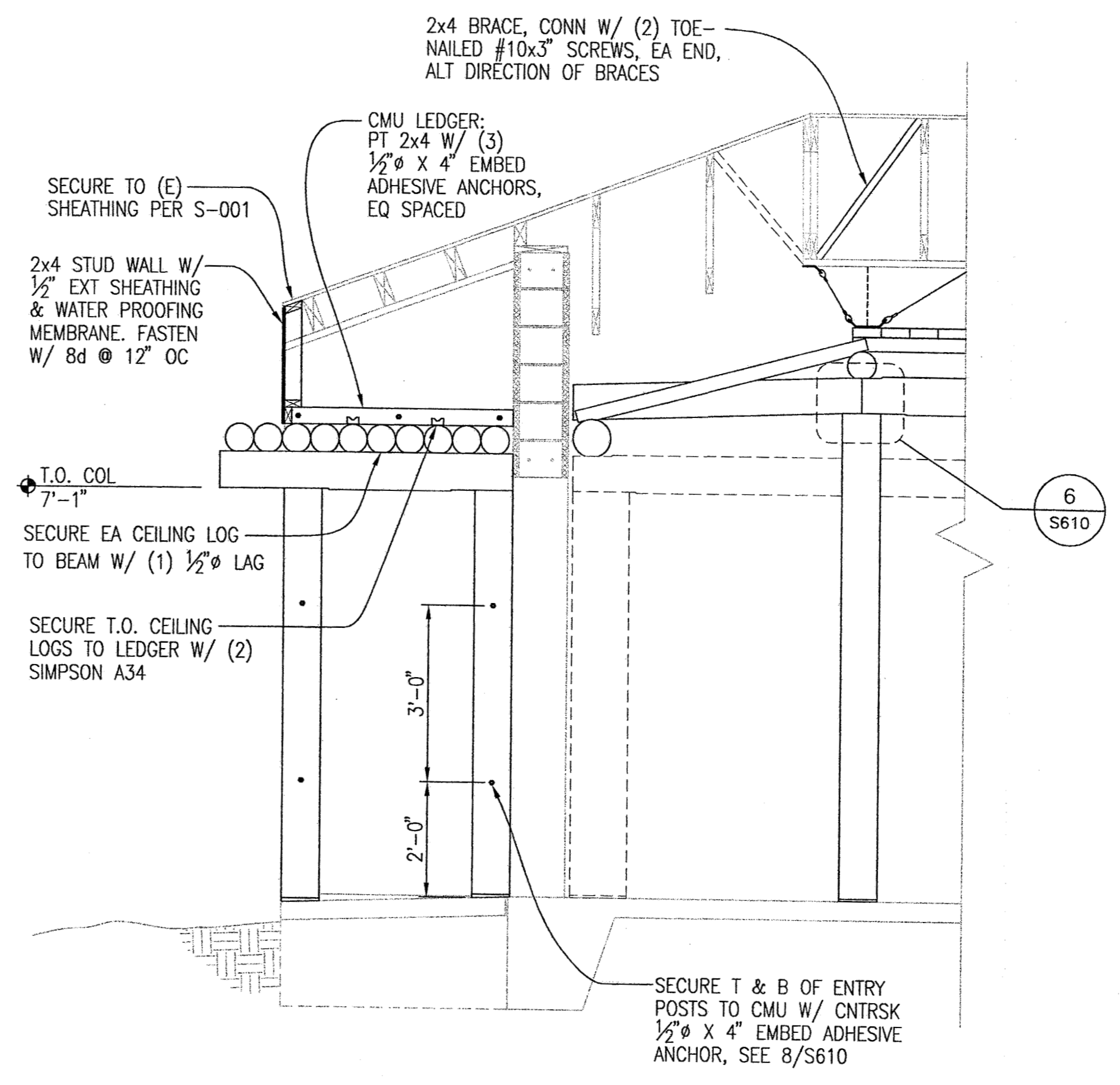
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DATE: 03-01-06
JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
**INTERIORS:
BLDG #1 & #2
SECTIONS**
SHEET NO.:
S-604

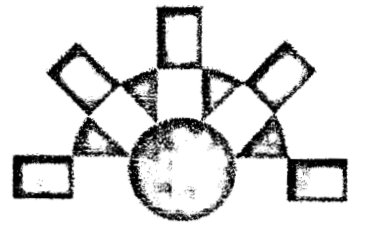


1 BLDG #1 & #2
INTERIOR SECTION
SCALE 1/2" = 1'-0"



2 BLDG #1 & #2
ENTRY SECTION
SCALE 1/2" = 1'-0"

ANHC PHASE I
SITE
IMPROVEMENTS

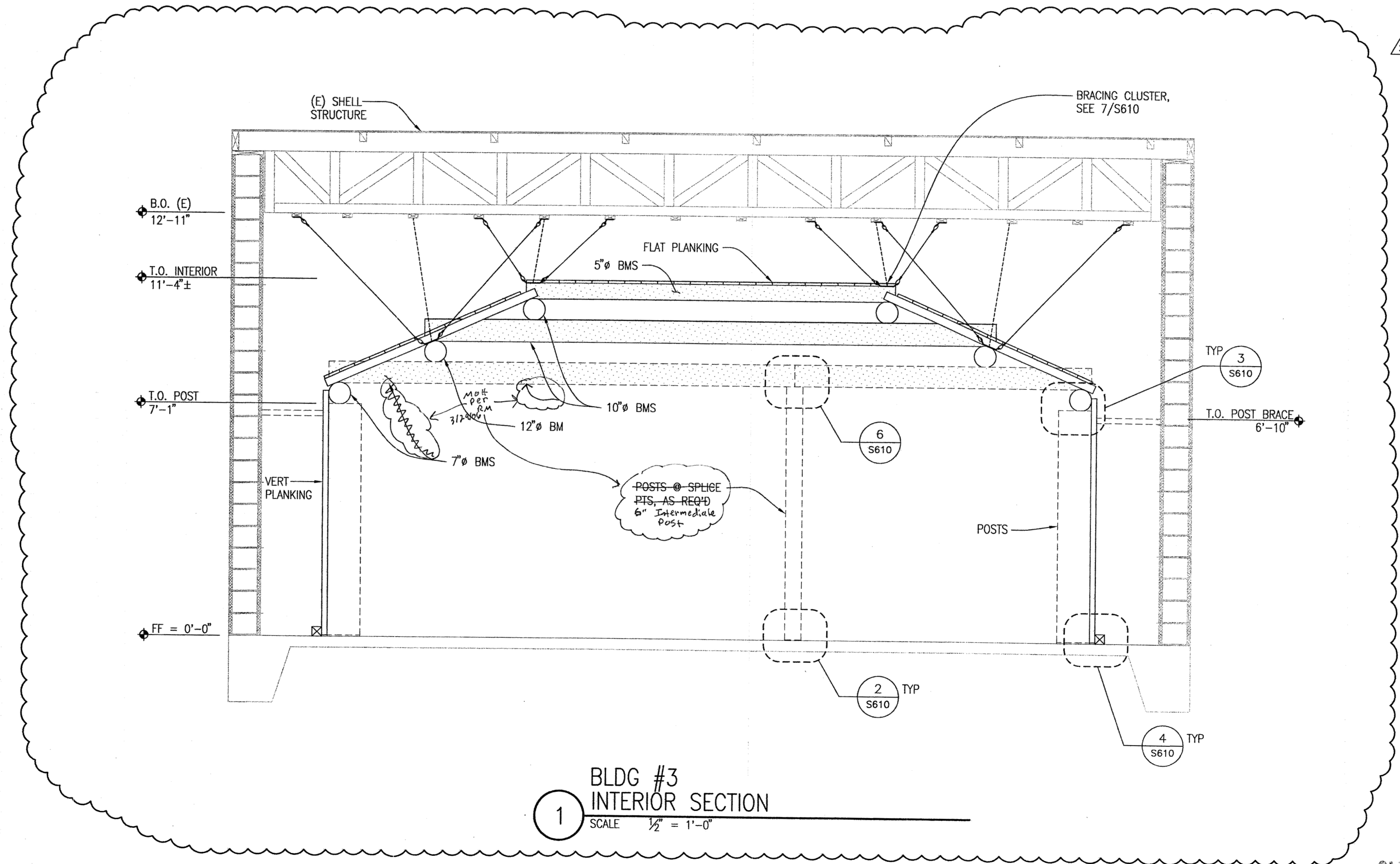


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APPROVED
MAR 29 2006
MATTHEW HOOD



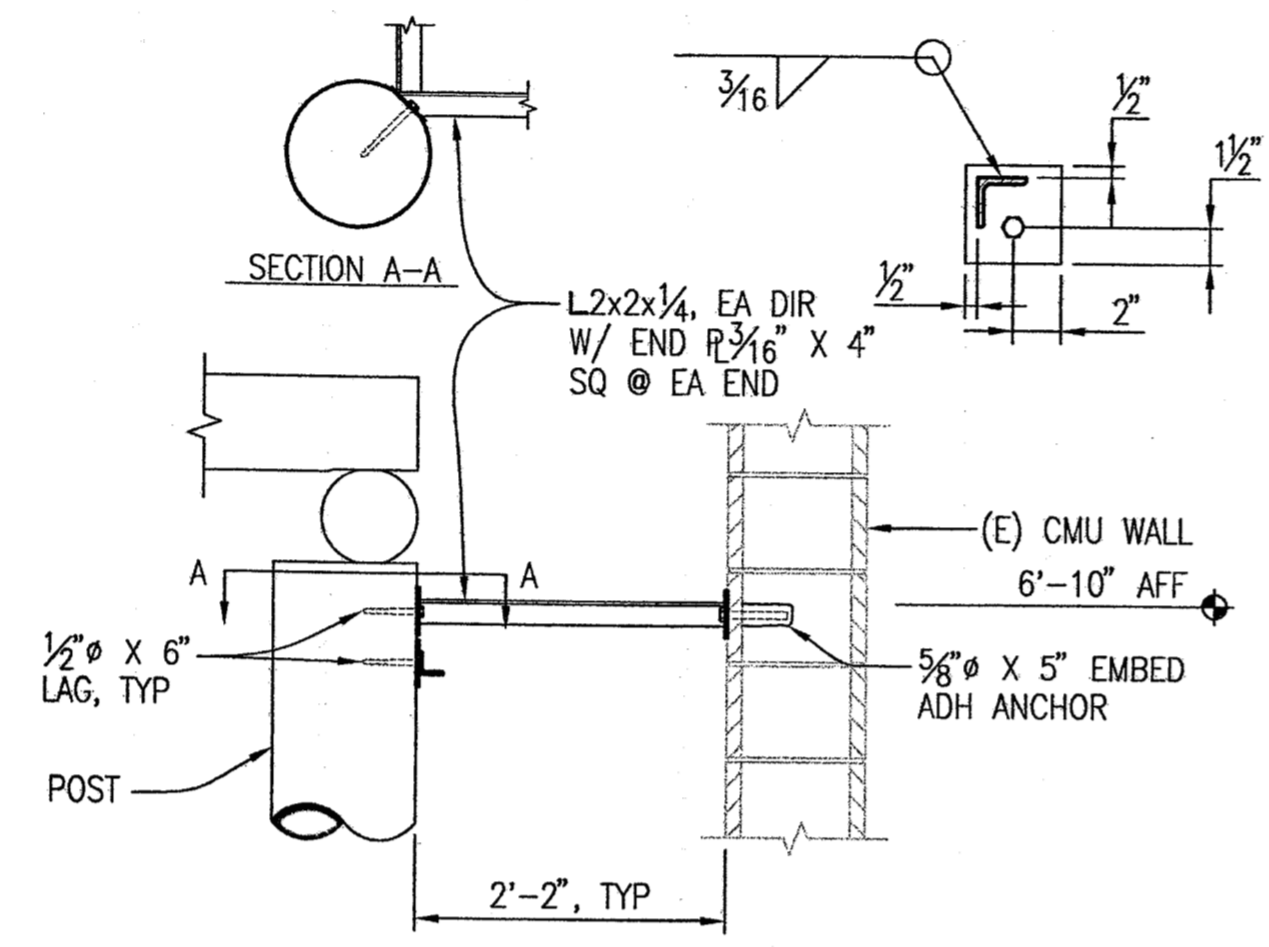
1 BLDG #3
INTERIOR SECTION
SCALE 1/2" = 1'-0"

| REV. | COMMENT | DATE |
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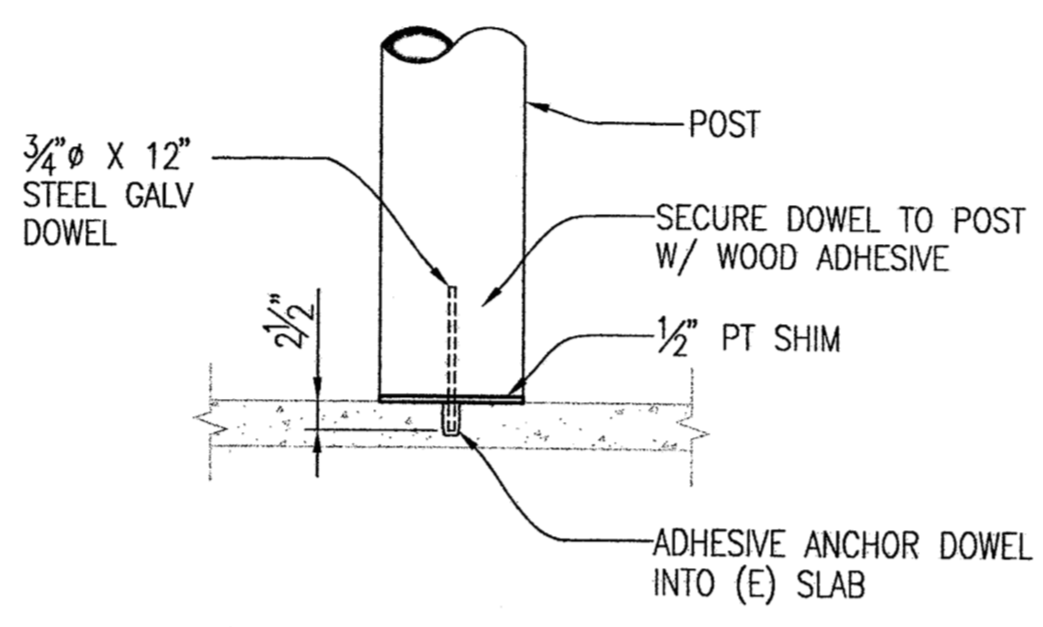
SEAL:
STATE OF ALASKA
49TH
KENNETH D ANDERSEN
No. CE 6066
REGISTERED PROFESSIONAL ENGINEER
03/24/06

DATE: 03-01-06
JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
**INTERIORS:
BLDG #3
SECTIONS**
SHEET NO.:
S-605

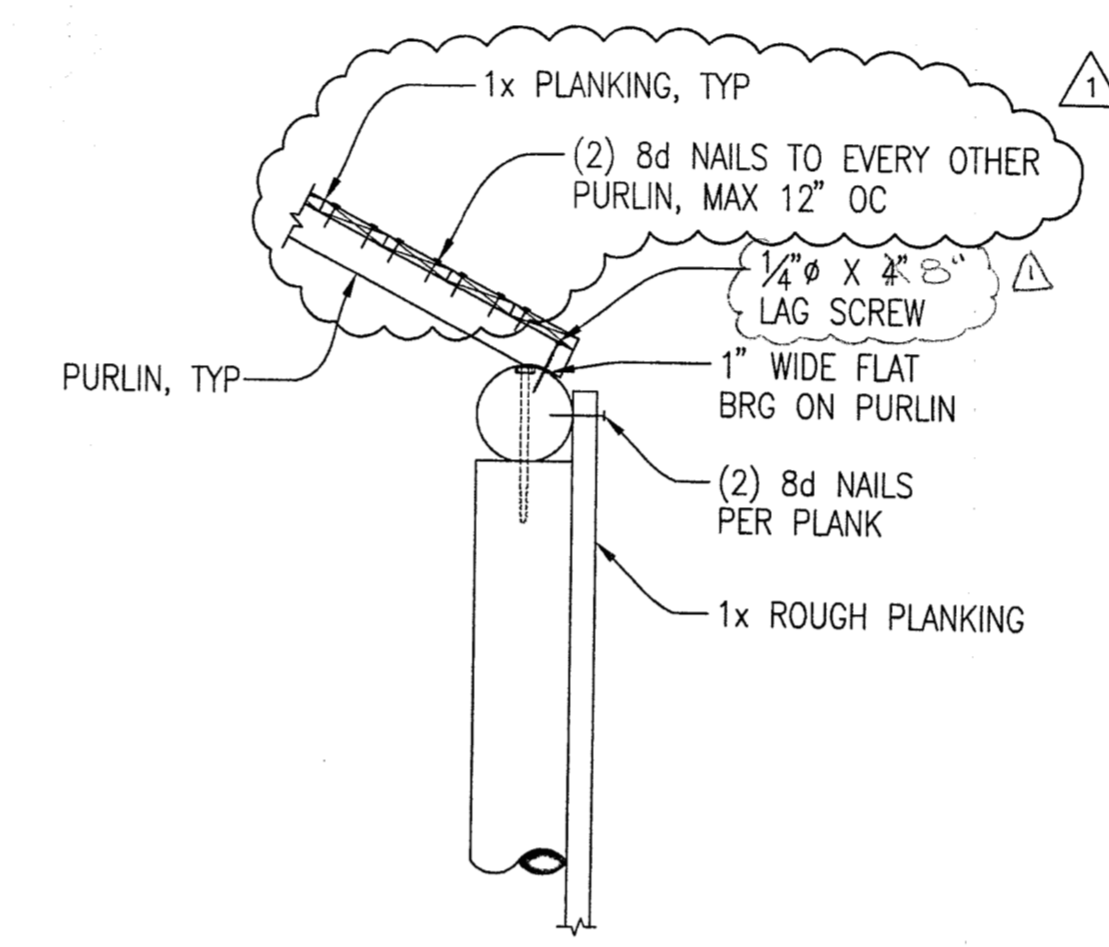
SUBMITTAL
05-5946
MAR 28 2006
CD#6 JRD



1 POST BRACE
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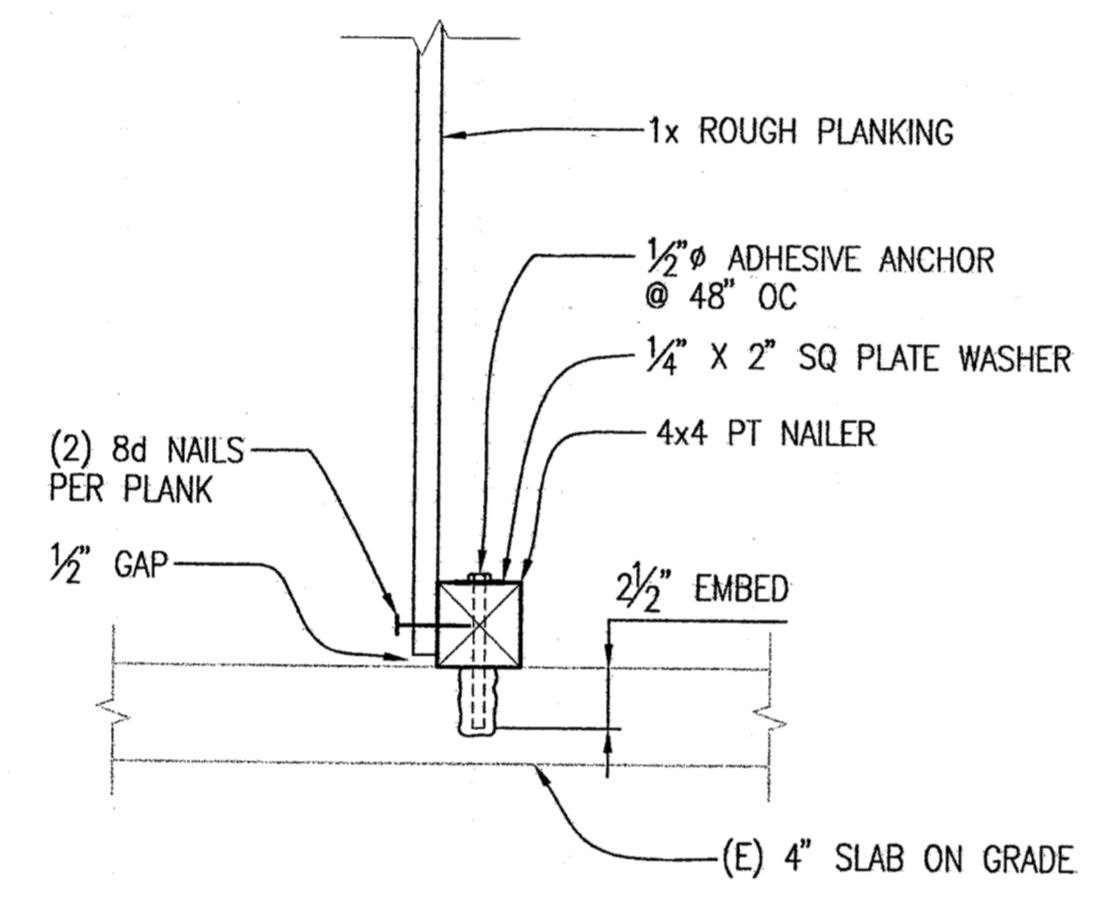


2 POST BASE, TYP
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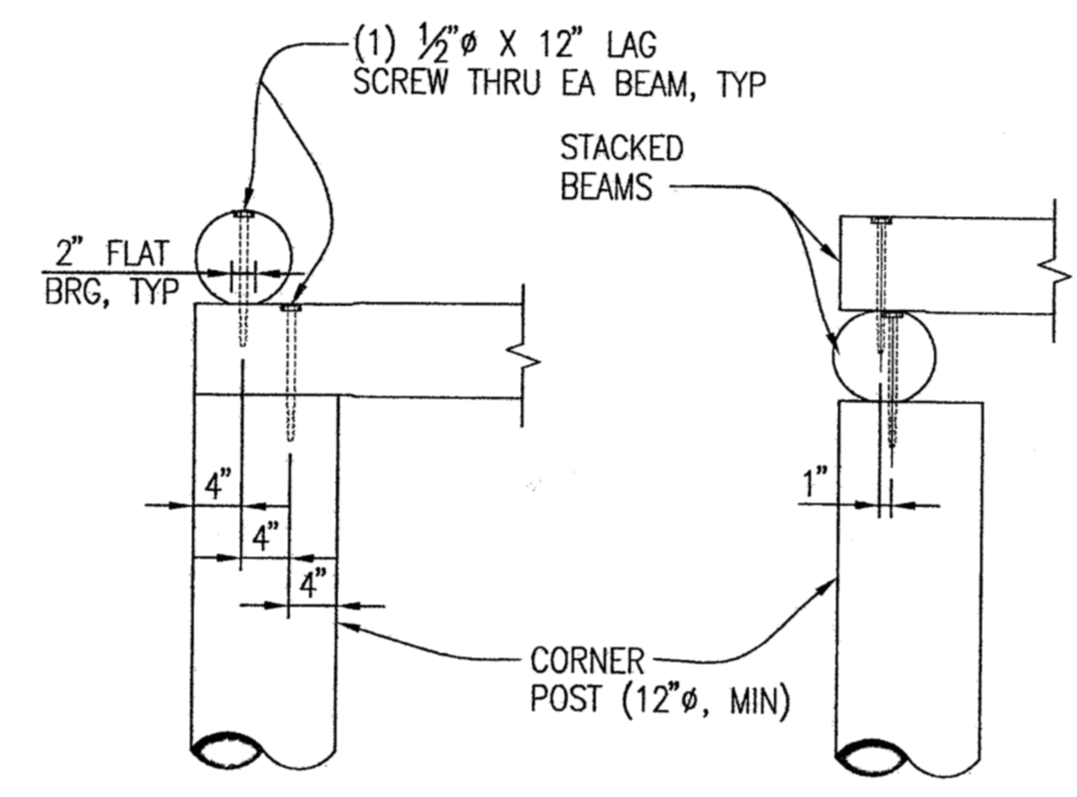


3 EAVE SECTION, TYP
SCALE 3/4" = 1'-0"

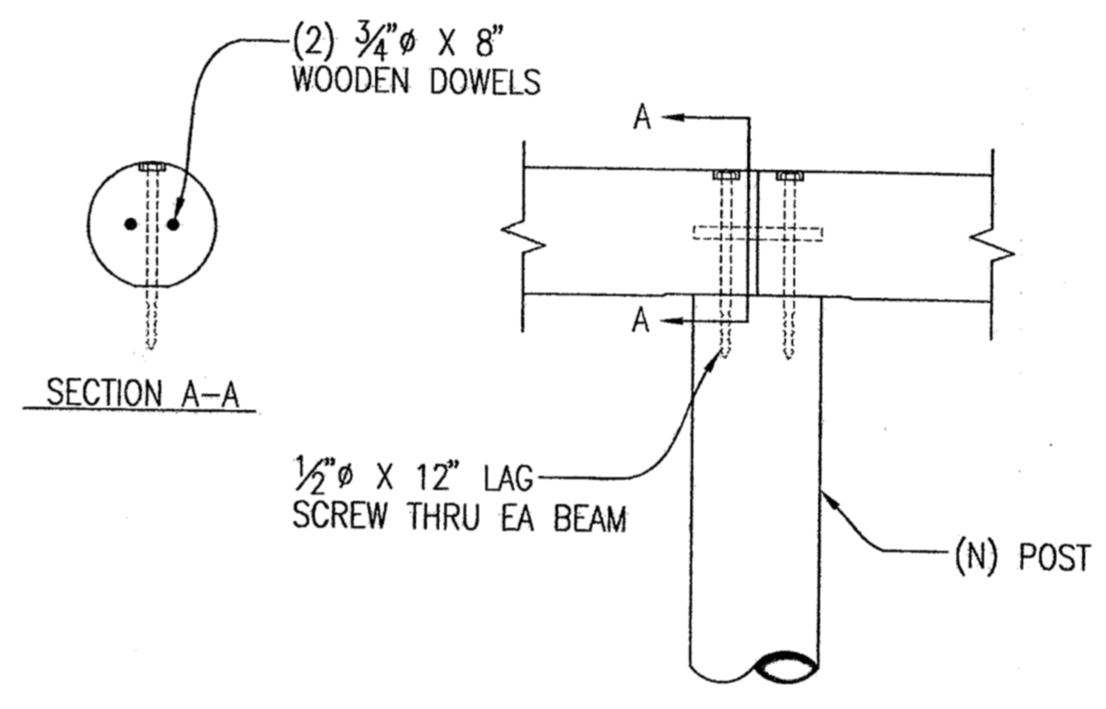
APPROVED
MAR 17 2006
MATTHEW HOOD



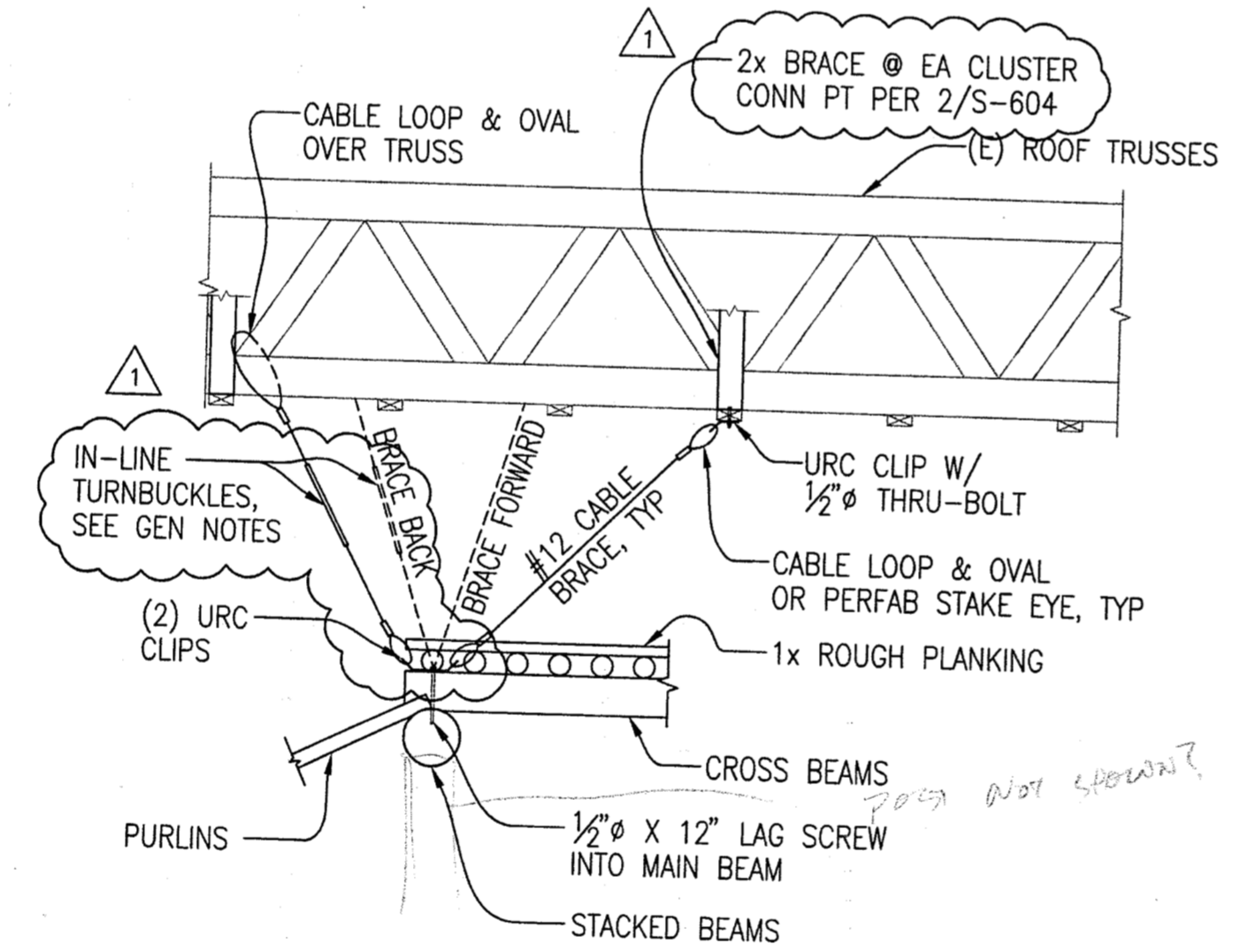
4 BOTTOM OF WALL, TYP
SCALE 1 1/2" = 1'-0"



5 CORNER SECTION
SCALE 3/4" = 1'-0"

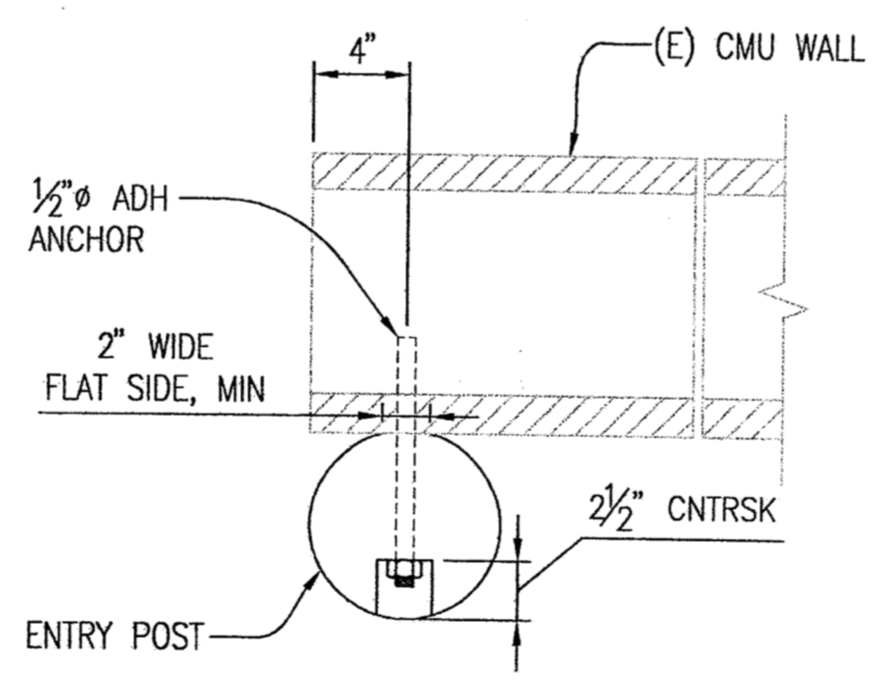


6 BEAM SPLICE
SCALE 1" = 1'-0"



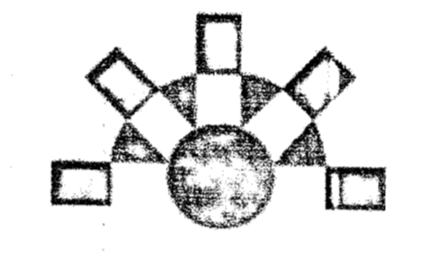
7 BRACING CLUSTER, TYP @ (6) LOCATIONS
SCALE 1/2" = 1'-0"

APPROVED
MAR 17 2006
MATTHEW HOOD



8 DETAIL
SCALE 1 1/2" = 1'-0"

ANHC PHASE I
SITE
IMPROVEMENTS



Reid Middleton
4300 B Street, Suite 302
Anchorage, Alaska 99503
Phone: 907 562-3439
Email: kanderson@reidmiddleton.com

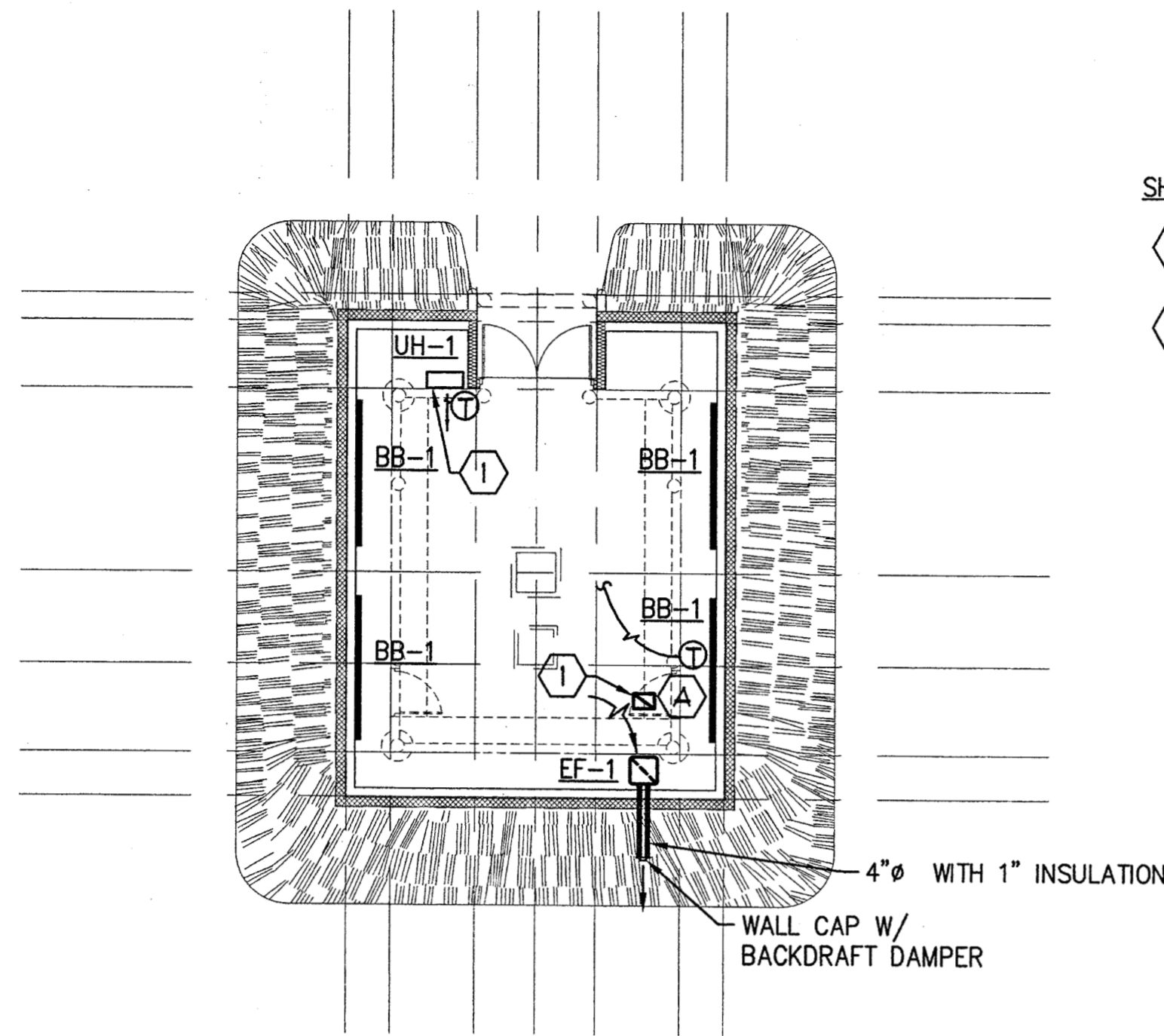


| REV. | COMMENT | DATE |
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| 1 | TEAM ST REVISION | 3/15/06 |
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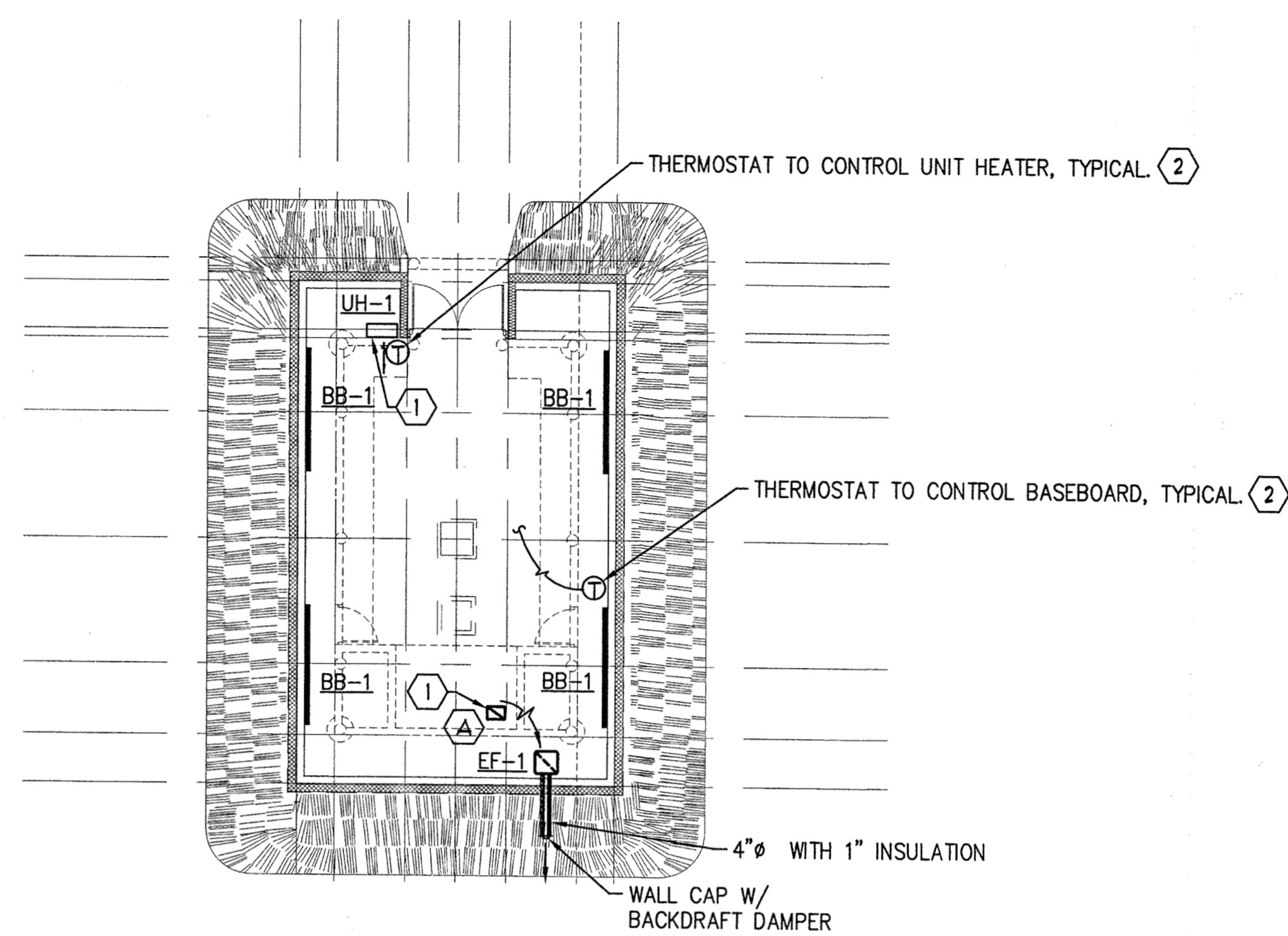
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JOB NO.: ANH0505
DRAWN BY: CSB
CHECKED BY: DS
DRAWING TITLE:
**INTERIORS:
DETAILS**

SHEET NO.:
S-610

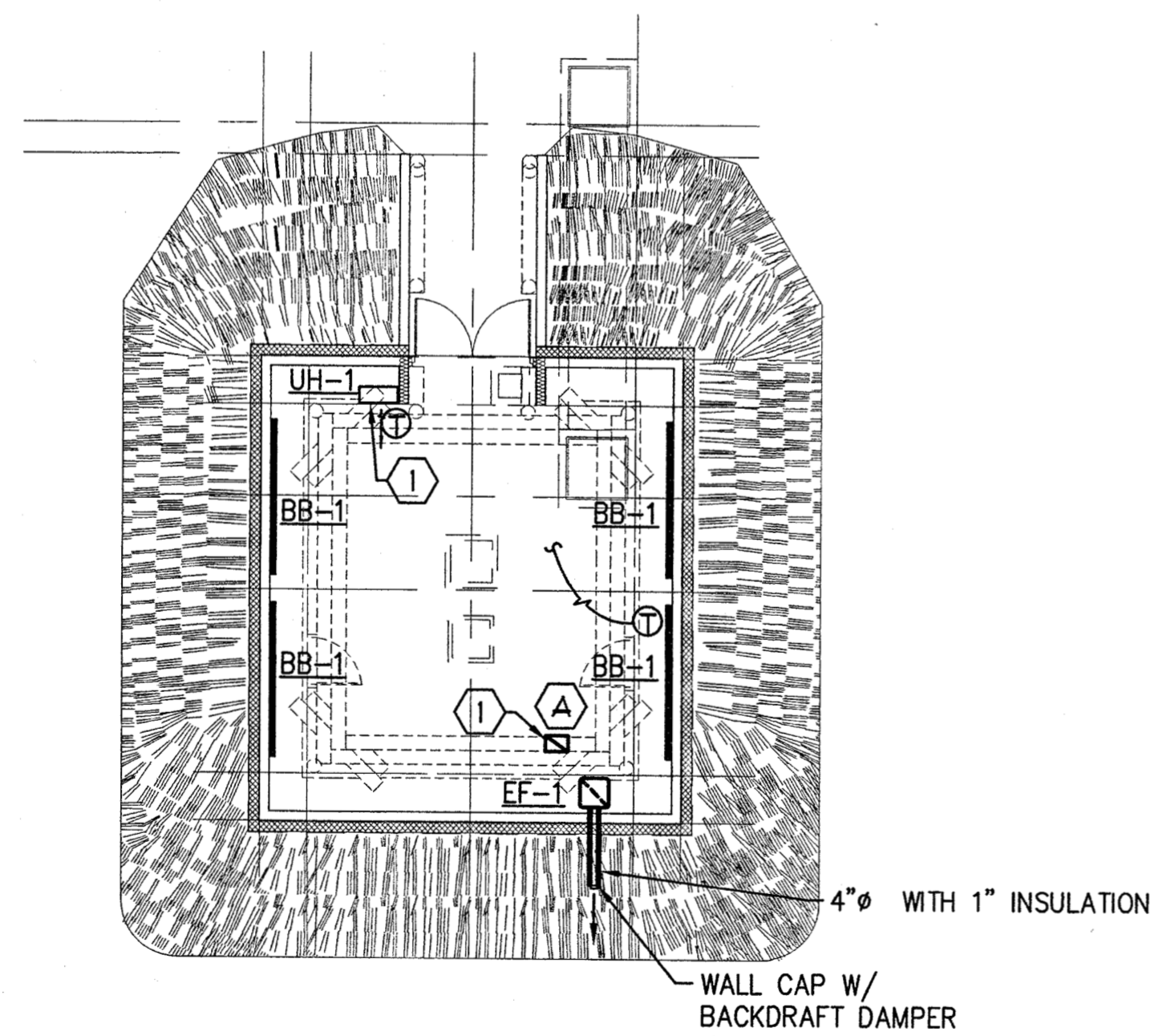


1 ULAX - BUILDING #2 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

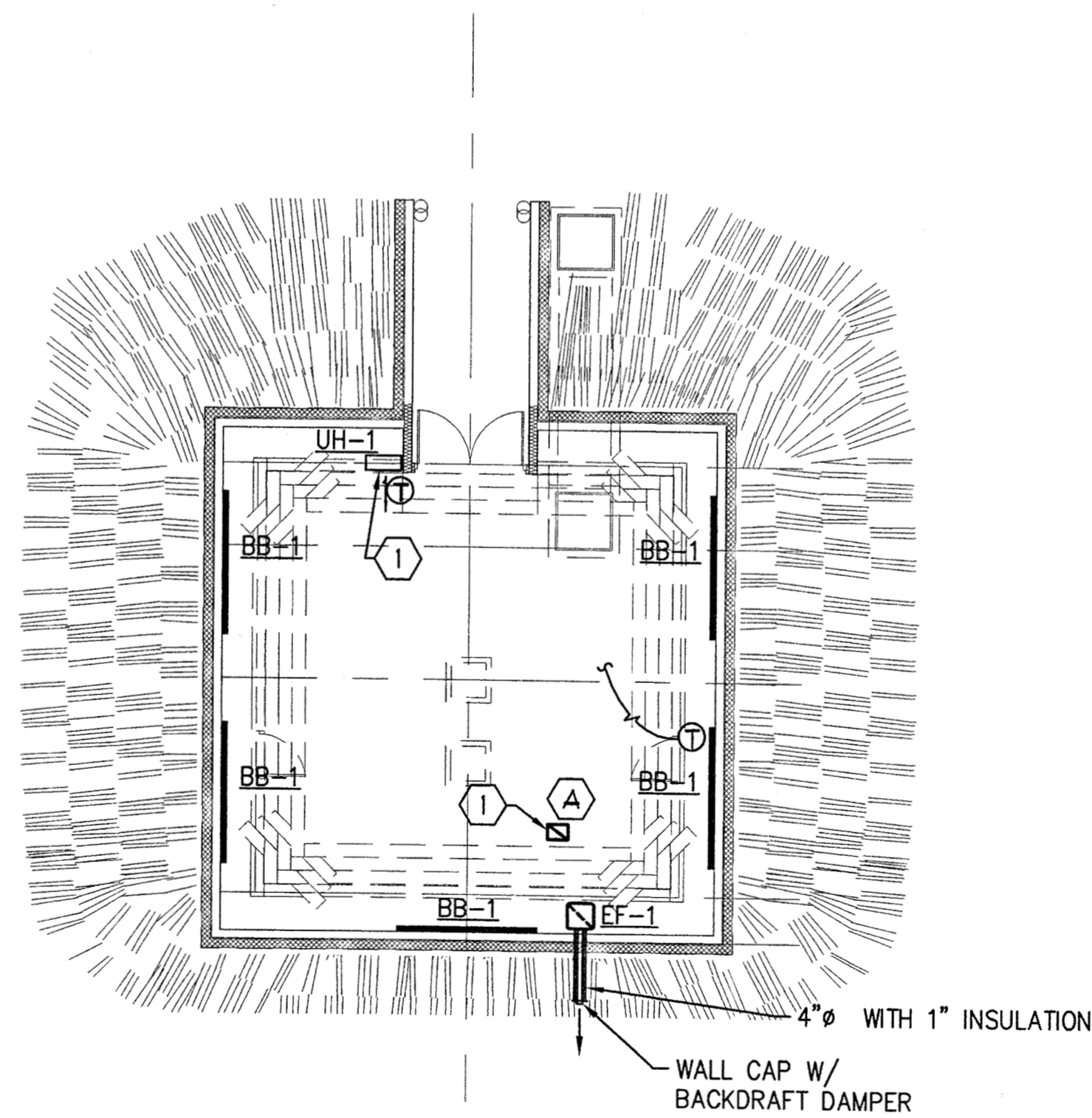
- SHEET NOTES:
- 1 COORDINATE INSTALLATION WITH EXHIBIT STRUCTURE,
 - 2 ALL THERMOSTATS TO BE 120V, COORDINATE WITH ELECTRICAL.
 - 3. EXHAUST FANS CONTROLLED BY WALL SWITCH, SEE ELECTRICAL.



2 CIQLLUAQ - BUILDING #1 - FLOOR PLAN
SCALE: 1/8" = 1'-0"



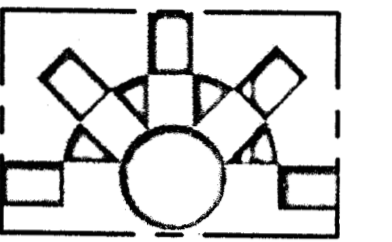
3 ENA - BUILDING #4 - FLOOR PLAN
SCALE: 1/8" = 1'-0"
N.I.C.



4 QASGIQ - BUILDING #3 - FLOOR PLAN
SCALE: 1/8" = 1'-0"

APPROVED
SEP 12 2005
LEIGH W. BERGSTROM

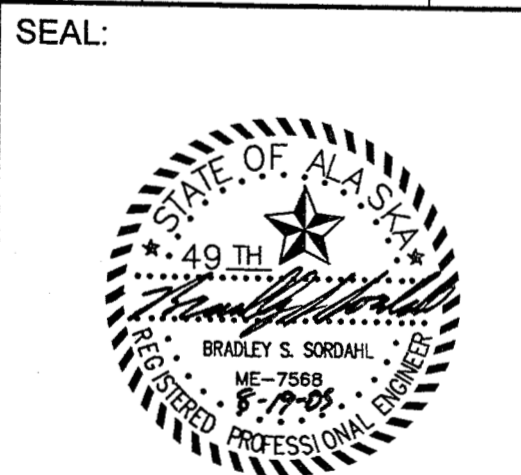
ANHC PHASE I
SITE
IMPROVEMENTS



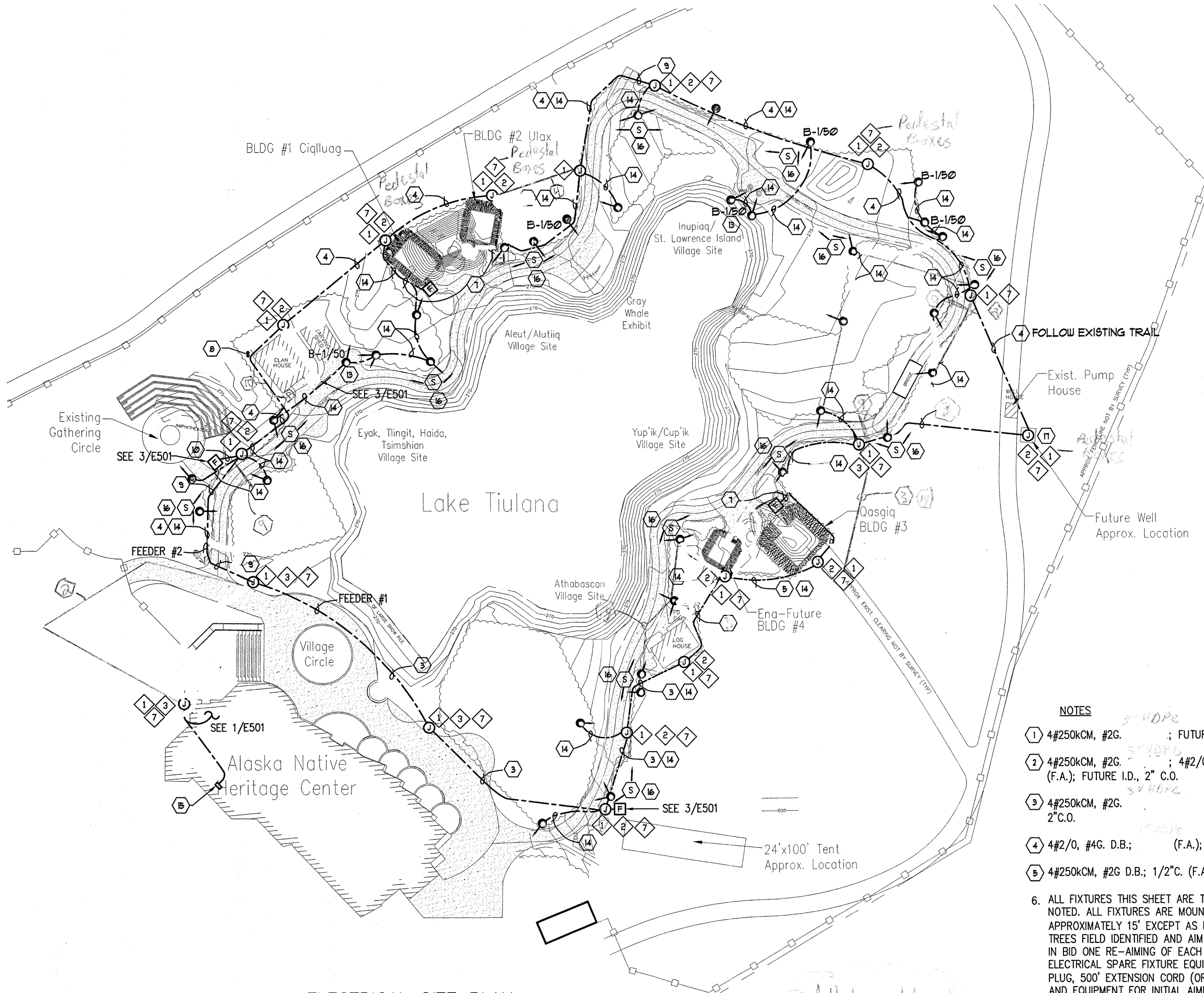
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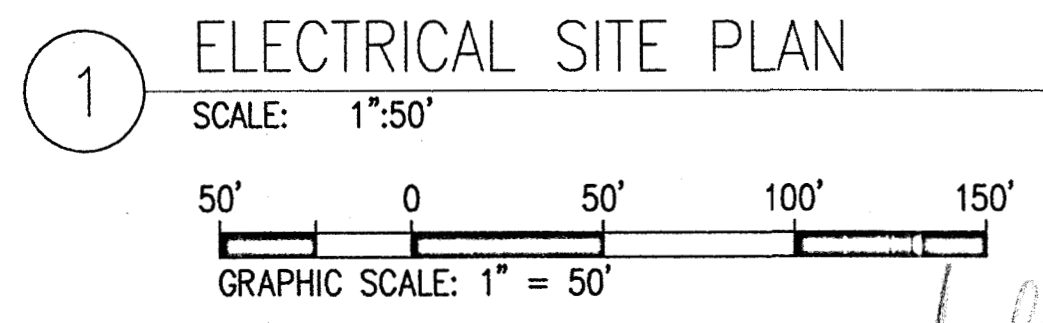
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JOB NO.: ANH0505
DRAWN BY: JBM
CHECKED BY: SCH
DRAWING TITLE:
**MECHANICAL
FLOOR
PLANS**
SHEET NO.:
M101



| LEGEND | | |
|--------|---|--------|
| ABBR. | EXPLANATION | SYMBOL |
| XFMR | TRANSFORMER | T |
| NIC | NOT IN CONTRACT | |
| CKT | CIRCUIT - NUMBER AS NOTED (TYP.) | CKT-XX |
| UN | UNLESS OTHERWISE NOTED | |
| A/20 | LIGHTING FIXTURE DESIGNATION - SEE SCHEDULE | |
| ETR | EXISTING TO REMAIN | |
| WP | WEATHERPROOF | |
| C | CONDUIT, SIZE AS NOTED (TYP.) | — |
| U | CONDUIT, UNDERGROUND OR UNDERFLOOR | — |
| FLEX | CONDUIT, FLEXIBLE | — |
| | HOMERUN TO PANEL/CIRCUITS AS NOTED | — |
| X | WIRE COUNT OF # 12 UN/SPECIFIED | — |
| PAN | PANELBOARD - SEE SCHEDULES | — |
| | REFER TO INDICATED NOTE | ① |
| | DUPLEX RECEPTACLE - NEMA 5-20R | ⊕ |
| | DUPLEX RECEPTACLE - NEMA 5-20R GFCI TYPE | ⊕ |
| J-BOX | JUNCTION BOX | ⊙ |
| | SINGLE PHASE MOTOR - SIZE AS INDICATED | ⊙ |
| | THREE PHASE MOTOR - SIZE AS INDICATED | ⊙ |
| | MOTOR CONTROLLER | ⊕ |
| | MOTOR DISCONNECT | ⊕ |
| | COMBINATION STARTER/DISCONNECT | ⊕ |
| SW | SWITCH - SINGLE POLE | ⊕ |
| | SWITCH - THREE WAY | ⊕ |
| | SWITCH - WITH PILOT LIGHT | ⊕ |
| | SWITCH - THERMAL OVERLOAD | ⊕ |
| | SWITCH - WITH TIMER | ⊕ |
| | FIRE ALARM HORN/STROBE | H |
| | TWO SPEAKERS - TREE MOUNTED | S |
| | WEATHERPROOF FIRE ALARM HORN | H |
| | FIRE ALARM MANUAL STATION | F |
| FACP | FIRE ALARM CONTROL PANEL | FACP |
| TTB/C | TELEPHONE TERMINAL BOARD/CABINET | TTB |
| PC | PHOTOCELL | ⊕ |
| | BATTERY-POWERED EMERGENCY LIGHT | ⊕ |
| | LIGHTING FIXTURES - VARIOUS TYPES AS NOTED | ⊕ |
| | ARROW INDICATES FIXTURE AIMING | ⊕ |
| D.B. | DIRECT BURIED | — |
| C.O. | CONDUIT ONLY | — |
| | REFER TO EQUIPMENT LIST | ① |
| HOA | HAND-OFF-AUTOMATIC SWITCH | — |
| TL | TREE LIGHTING | — |
| FA | FIRE ALARM | — |
| I.D. | INNERDUCT | — |

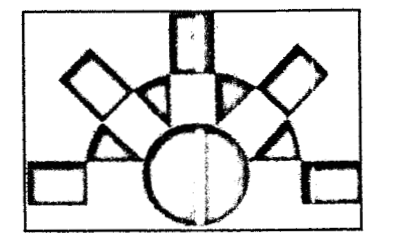
THIS IS A STANDARD LEGEND, ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING(S).

- NOTES**
- ① 4#250kCM, #2G. ; FUTURE I.D., 2"C.O.
 - ② 4#250kCM, #2G. ; 4#2/0, #4G. ; 1/2"C. (F.A.); FUTURE I.D., 2" C.O.
 - ③ 4#250kCM, #2G. (F.A.); FUTURE I.D., 2"C.O.
 - ④ 4#2/0, #4G. D.B.; (F.A.); FUTURE I.D., 2"C.O.
 - ⑤ 4#250kCM, #2G D.B.; 1/2"C. (F.A.); FUTURE I.D., 2"C.O.
 6. ALL FIXTURES THIS SHEET ARE TYPE B/50 EXCEPT AS NOTED. ALL FIXTURES ARE MOUNTED IN TREES UP APPROXIMATELY 15' EXCEPT AS NOTED. LOCATE IN TREES FIELD IDENTIFIED AND AIM AS DIRECTED. INCLUDE IN BID ONE RE- AIMING OF EACH FIXTURE. PROVIDE ONE ELECTRICAL SPARE FIXTURE EQUIPPED WITH CORD AND PLUG, 500' EXTENSION CORD (OR GENERATOR), LABOR AND EQUIPMENT FOR INITIAL AIMING. PROVIDE FINAL AIMING AT NIGHT AS DIRECTED.
 - ⑦ (F.A.)
 - ⑧ AVOID EXISTING PLASTIC STANDPIPES AND ASSOCIATED PIPING.
 - ⑨ PROVIDE ONE SPARE 2" CONDUIT UNDER ASPHALT.
 - ⑩ 3/4"C. (F.A.)
 - ⑪ 4#2/0, #4G. D.B: 2" C.O.
 12. INSTALL DIRECT BURY CABLE IN CONDUIT WHERE LOCATED UNDER ASPHALT
 - ⑫ MOUNT FIXTURES ON GRADE AS DIRECTED.
 - ⑬ 2#10, MC CABLE (T.L.) SPLICE IN WATERTIGHT J-BOX LOCATED IN EQUIPMENT ITEM #2 OR #3
 - ⑭ APPROXIMATE LOCATION OF EXISTING SOUND SYSTEM RACK. FUTURE BOGEN #GS250 AMPLIFIER AND NEW MICROPHONE. DRILL THROUGH FLOOR IN ADJACENT CHASE, RUN IN BASEMENT TO PIT. FOLLOW OTHER CONDUITS AROUND LAKE TO TREE MOUNTED SPEAKER LOCATIONS INDICATED. FUTURE SOUND SYSTEM SPEAKERS ARE ATLAS #AP-15 TO BE MOUNTED IN TREE UP 20'± SIMILAR TO LIGHTS. FUTURE SPEAKER WIRING TO BE RUN IN 2"C. WITH FUTURE INNERDUCT.
 - ⑮ PROVIDE 2#12 MC CABLE FROM COMM. J-BOX TO DESIGNATED TREE. TERMINATE BOTH ENDS IN WATERTIGHT J-BOX. SEAL BOTH ENDS WATERTIGHT.
 - ⑯ FUTURE NEMA 3R COMBINATION STARTER, RACK MOUNTED AT WELL.
 18. ALL UNDERGROUND CONDUITS ARE HDPE EXCEPT AS OTHERWISE NOTED.
 19. PROVIDE MINIMUM OF 24" OF NON-FROST SUSCEPTIBLE MATERIAL BELOW ALL JUNCTION BOXES.
 20. PEDESTALS CAN BE USED IN LIEU OF IN-GRADE BOXES WHERE CONCEALED BEHIND BUILDINGS, SUBJECT TO APPROVAL OF OWNER AND MOA.



All buried pipe is magnetic and easily located

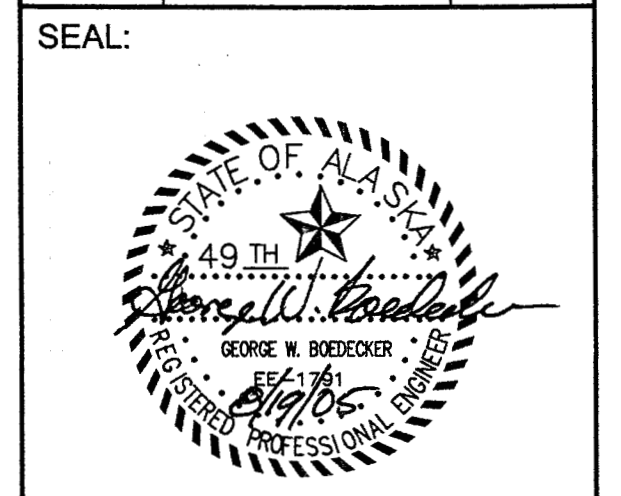
**ANHC PHASE I
 SITE
 IMPROVEMENTS**



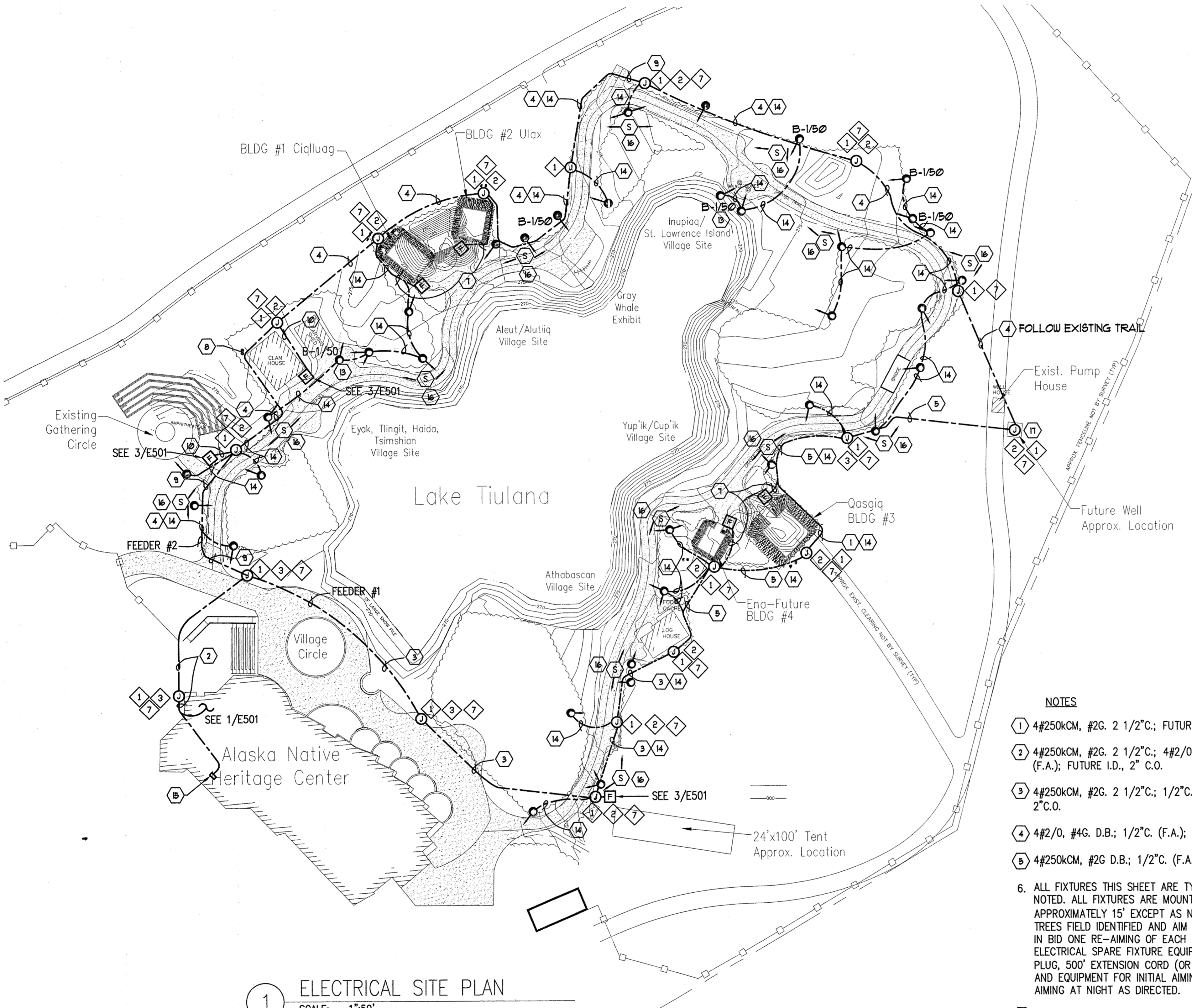
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DATE: 08-19-05
 JOB NO.: ANH0505
 DRAWN BY: SNS
 CHECKED BY: REA
 DRAWING TITLE:
**SITE PLAN
 AND LEGEND**
 SHEET NO.:
E001

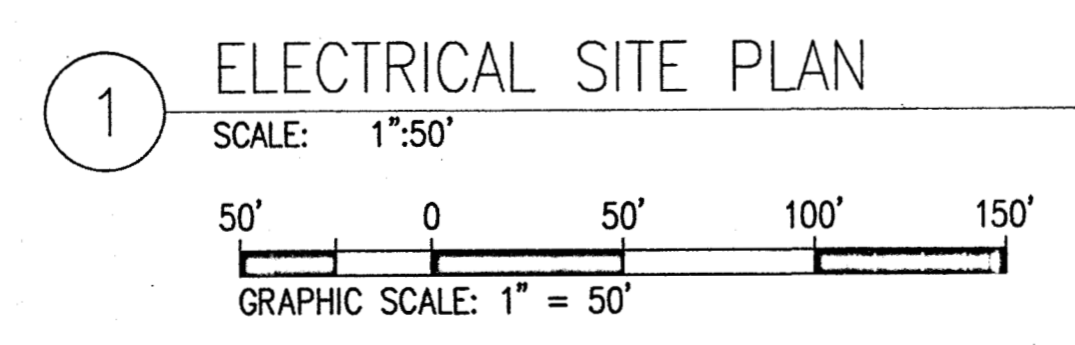


| LEGEND | | |
|--------|---|--------|
| ABBR. | EXPLANATION | SYMBOL |
| XFR | TRANSFORMER | [T] |
| NIC | NOT IN CONTRACT | |
| CKT | CIRCUIT - NUMBER AS NOTED (TYP.) | CKT-XX |
| UN | UNLESS OTHERWISE NOTED | |
| A/100 | LIGHTING FIXTURE DESIGNATION - SEE SCHEDULE | |
| ETR | EXISTING TO REMAIN | |
| WP | WEATHERPROOF | |
| C | CONDUIT, SIZE AS NOTED (TYP.) | [C] |
| | CONDUIT, UNDERGROUND OR UNDERFLOOR | [C] |
| FLEX | CONDUIT, FLEXIBLE | [C] |
| | HOMERUN TO PANEL/CIRCUITS AS NOTED | [C] |
| *X | WIRE COUNT OF # 12 UN/SPECIFIED | [C] |
| PNL | PANELBOARD - SEE SCHEDULES | [P] |
| | REFER TO INDICATED NOTE | [P] |
| | DUPLEX RECEPTACLE - NEMA 5-20R | [R] |
| | DUPLEX RECEPTACLE - NEMA 5-20R GFCI TYPE | [R] |
| J-BOX | JUNCTION BOX | [J] |
| | SINGLE PHASE MOTOR - SIZE AS INDICATED | [M] |
| | THREE PHASE MOTOR - SIZE AS INDICATED | [M] |
| | MOTOR CONTROLLER | [MC] |
| | MOTOR DISCONNECT | [MD] |
| | COMBINATION STARTER/DISCONNECT | [CS] |
| SW | SWITCH - SINGLE POLE | [S] |
| | SWITCH - THREE WAY | [S] |
| | SWITCH - WITH PILOT LIGHT | [S] |
| | SWITCH - THERMAL OVERLOAD | [S] |
| | SWITCH - WITH TIMER | [S] |
| | FIRE ALARM HORN/STROBE | [H] |
| | TWO SPEAKERS - TREE MOUNTED | [S] |
| | WEATHERPROOF FIRE ALARM HORN | [H] |
| | FIRE ALARM MANUAL STATION | [F] |
| FACP | FIRE ALARM CONTROL PANEL | [FACP] |
| TTB/C | TELEPHONE TERMINAL BOARD/CABINET | [TTB] |
| PC | PHOTOCELL | [PC] |
| | BATTERY-POWERED EMERGENCY LIGHT | [EL] |
| | LIGHTING FIXTURES - VARIOUS TYPES AS NOTED | [L] |
| | ARROW INDICATES FIXTURE AIMING | [L] |
| D.B. | DIRECT BURIED | [DB] |
| C.O. | CONDUIT ONLY | [CO] |
| | REFER TO EQUIPMENT LIST | [E] |
| HOA | HAND-OFF-AUTOMATIC SWITCH | [HOA] |
| TL | TREE LIGHTING | [TL] |
| F.A. | FIRE ALARM | [FA] |
| I.D. | INNERDUCT | [ID] |

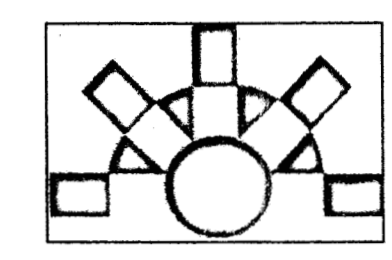
THIS IS A STANDARD LEGEND, ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING(S).

NOTES

- 1) 4#250kcm, #2G. 2 1/2" C.; FUTURE I.D., 2" C.
- 2) 4#250kcm, #2G. 2 1/2" C.; 4#2/0, #4G. 2" C.; 1/2" C. (F.A.); FUTURE I.D., 2" C.O.
- 3) 4#250kcm, #2G. 2 1/2" C.; 1/2" C. (F.A.); FUTURE I.D., 2" C.O.
- 4) 4#2/0, #4G. D.B.; 1/2" C. (F.A.); FUTURE I.D., 2" C.O.
- 5) 4#250kcm, #2G D.B.; 1/2" C. (F.A.); FUTURE I.D., 2" C.O.
6. ALL FIXTURES THIS SHEET ARE TYPE B/50 EXCEPT AS NOTED. ALL FIXTURES ARE MOUNTED IN TREES UP APPROXIMATELY 15' EXCEPT AS NOTED. LOCATE IN TREES FIELD IDENTIFIED AND AIM AS DIRECTED. INCLUDE IN BID ONE RE-AIMING OF EACH FIXTURE. PROVIDE ONE ELECTRICAL SPARE FIXTURE EQUIPPED WITH CORD AND PLUG, 500' EXTENSION CORD (OR GENERATOR), LABOR AND EQUIPMENT FOR INITIAL AIMING. PROVIDE FINAL AIMING AT NIGHT AS DIRECTED.
- 7) 1/2" C. (F.A.)
- 8) AVOID EXISTING PLASTIC STANDPIPES AND ASSOCIATED PIPING.
- 9) PROVIDE ONE SPARE 2" CONDUIT UNDER ASPHALT.
- 10) 3/4" C. (F.A.)
- 11) 4#2/0, #4G. D.B. 2" C.O.
12. INSTALL DIRECT BURY CABLE IN CONDUIT WHERE LOCATED UNDER ASPHALT
- 13) MOUNT FIXTURES ON GRADE AS DIRECTED.
- 14) 2#10, MC CABLE (T.L.) SPLICE IN WATERTIGHT J-BOX LOCATED IN EQUIPMENT ITEM #2 OR #3
- 15) APPROXIMATE LOCATION OF EXISTING SOUND SYSTEM RACK. FUTURE BOGEN #GS250 AMPLIFIER AND NEW MICROPHONE. DRILL THROUGH FLOOR IN ADJACENT CHASE, RUN IN BASEMENT TO PIT. FOLLOW OTHER CONDUITS AROUND LAKE TO TREE MOUNTED SPEAKER LOCATIONS INDICATED. FUTURE SOUND SYSTEM SPEAKERS ARE ATLAS #AP-15 TO BE MOUNTED IN TREE UP 20'± SIMILAR TO LIGHTS. FUTURE SPEAKER WIRING TO BE RUN IN 2" C. WITH FUTURE INNERDUCT.
- 16) PROVIDE 2#12 MC CABLE FROM COMM. J-BOX TO DESIGNATED TREE. TERMINATE BOTH ENDS IN WATERTIGHT J-BOX. SEAL BOTH ENDS WATERTIGHT.
- 17) FUTURE NEMA 3R COMBINATION STARTER, RACK MOUNTED AT WELL.
18. ALL UNDERGROUND CONDUITS ARE HDPE EXCEPT AS OTHERWISE NOTED.
19. PROVIDE MINIMUM OF 24" OF NON-FROST SUSCEPTIBLE MATERIAL BELOW ALL JUNCTION BOXES.
20. PEDESTALS MAY BE USED IN LIEU OF IN-GRADE BOXES WHERE CONCEALED BEHIND BUILDINGS, SUBJECT TO APPROVAL OF OWNER AND MOA.



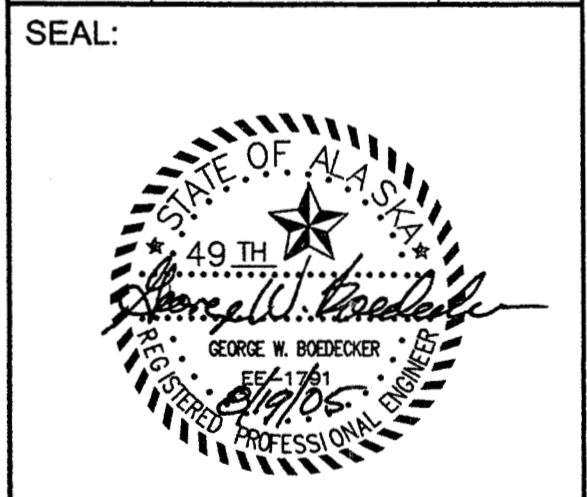
ANHC PHASE I
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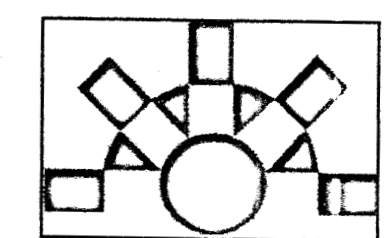
APPROVED
AUG 25 2005
DAVID H. ABUOBAIBA

DATE: 08-19-05
JOB NO.: ANH0505
DRAWN BY: SNS
CHECKED BY: REA
DRAWING TITLE:

SITE PLAN
AND LEGEND

SHEET NO.:
E001

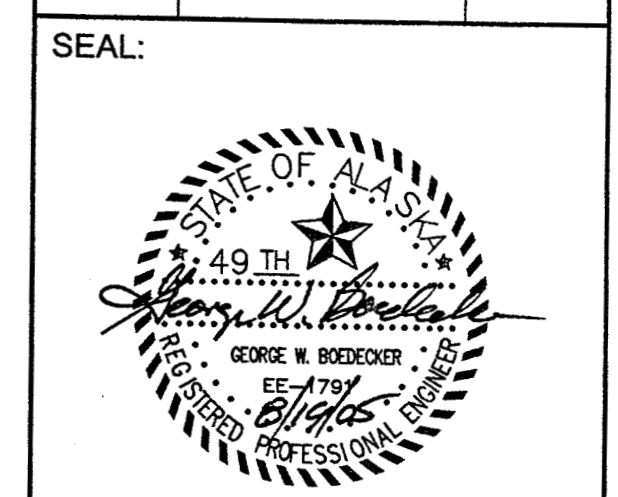
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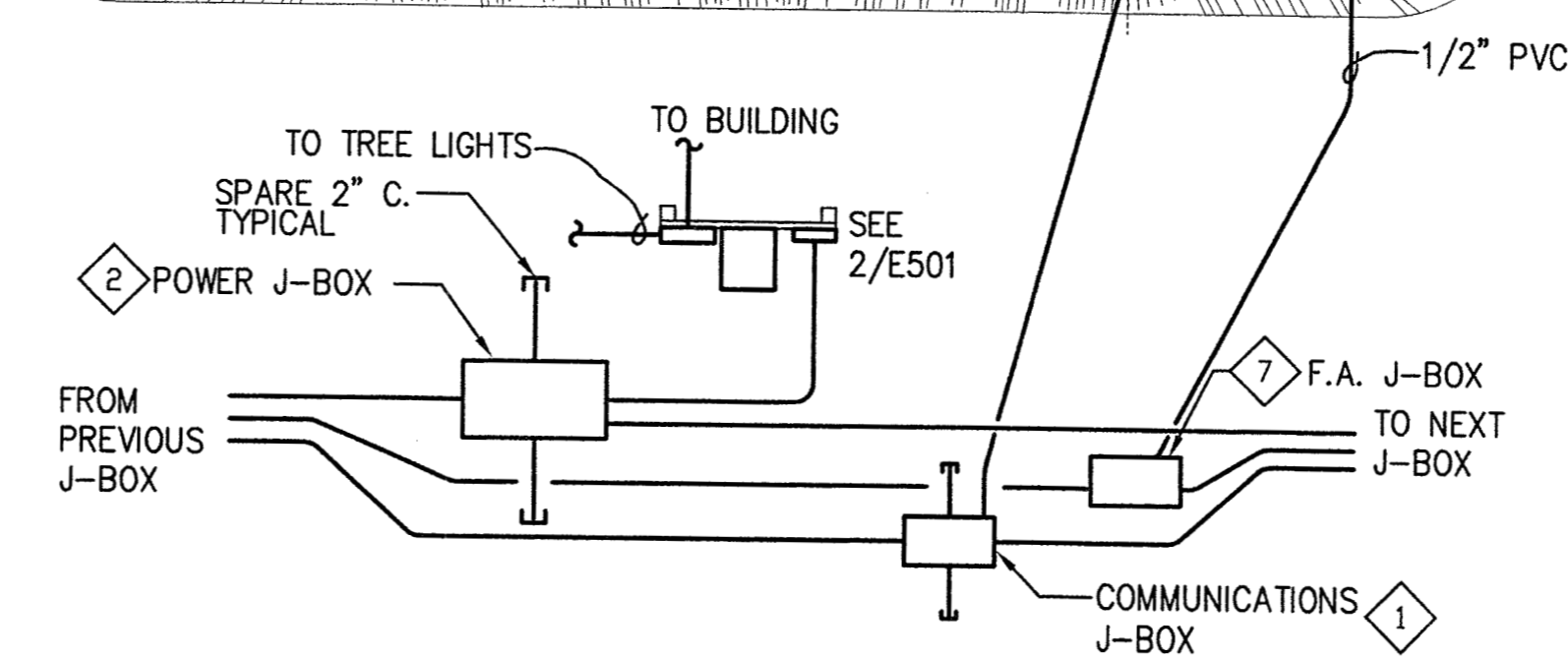
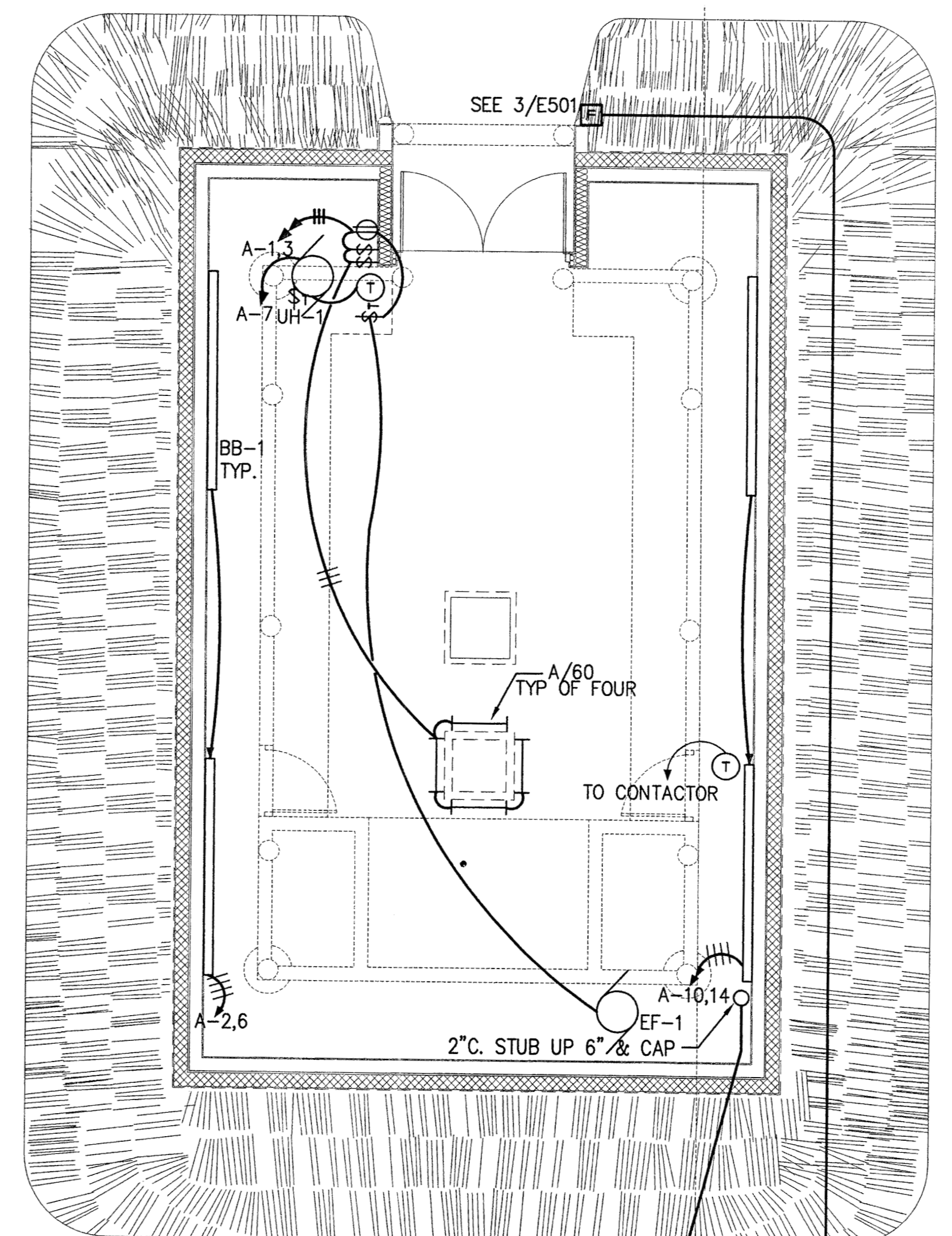


DATE: 08-19-05
JOB NO.: ANH0505
DRAWN BY: SNS
CHECKED BY: REA

**ELECTRICAL
PLANS**

SHEET NO.:
E101

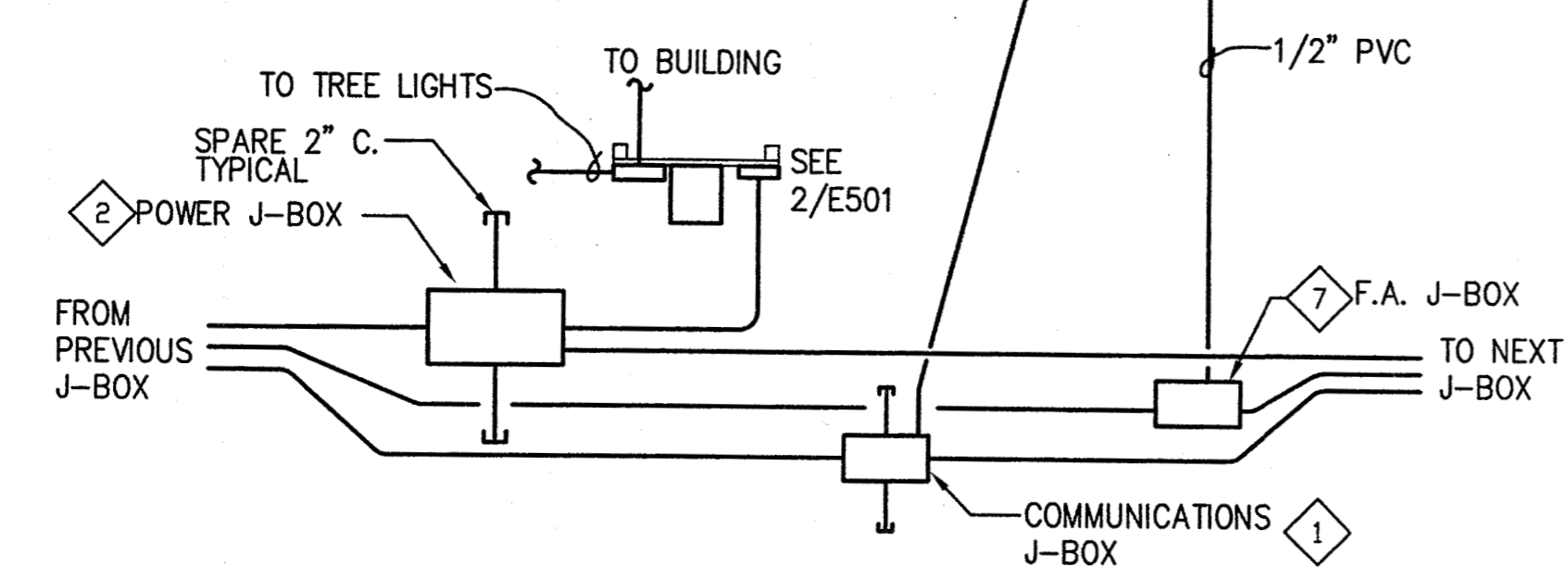
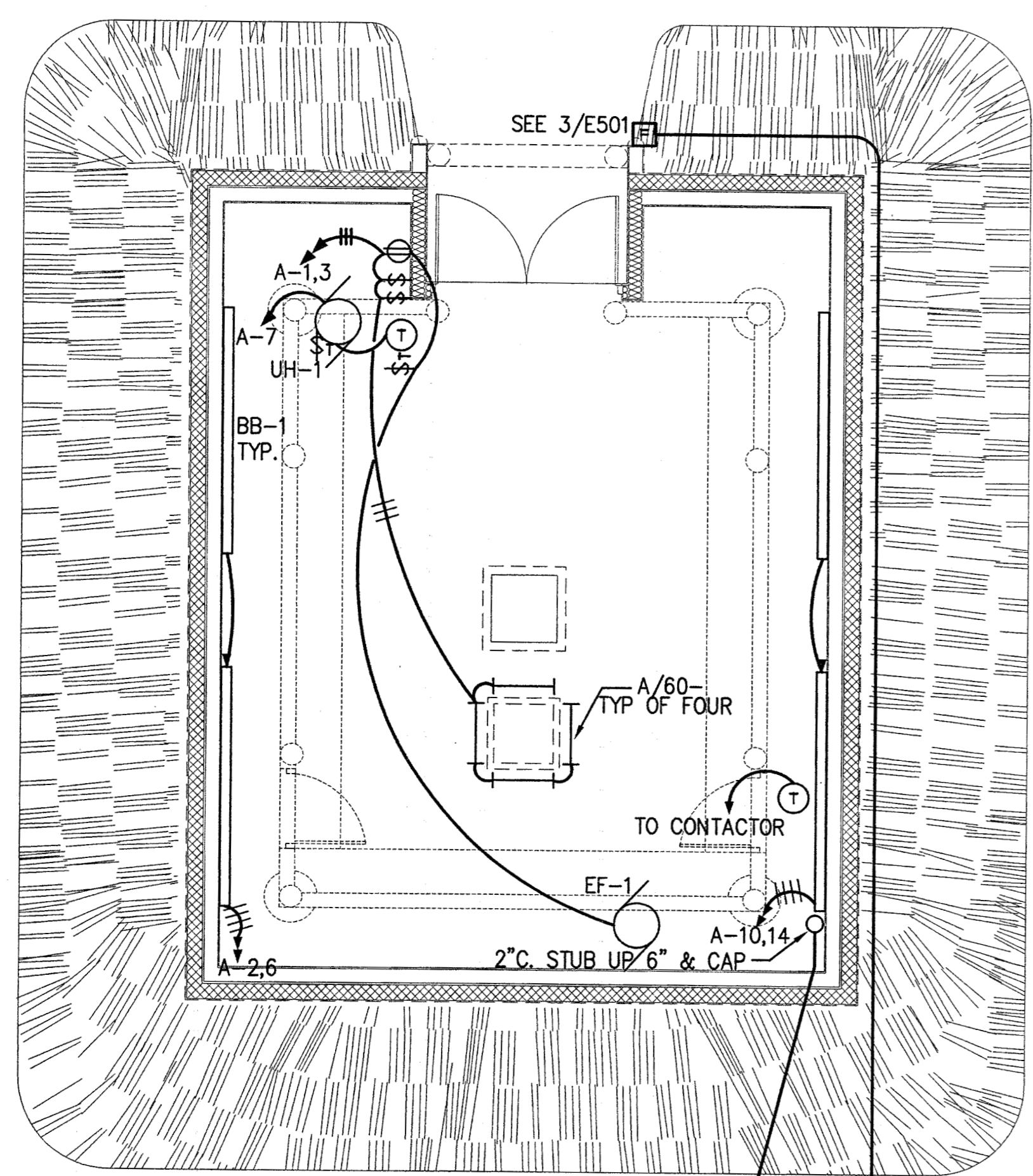
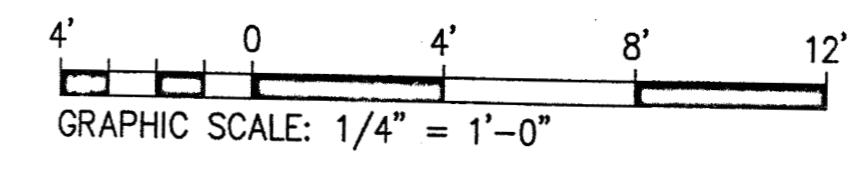
CONSTRUCTION DOCUMENTS



2 CIQLLUAQ - BUILDING #1 - ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

APPROVED

AUG 25 2005
DAVID H. ABUOBAID

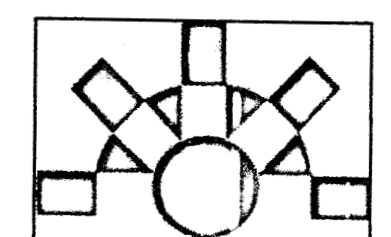


1 ULAX - BUILDING #2 - ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

NOTES - TYPICAL ALL BUILDINGS

1. PROVIDE GRC A MINIMUM OF 8' OUT FROM BUILDING FOR ALL POWER AND COMMUNICATIONS CONDUITS ENTERING BUILDING.
2. SEE MECHANICAL FOR BASEBOARD UH-1, AND THERMOSTATS.
3. CONNECT THERMOSTATS WITH 10' OF FLEXIBLE CONDUIT TO ALLOW FUTURE RELOCATION.

ANHC PHASE I
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IMPROVEMENTS



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mbaconsulting@alaska.com



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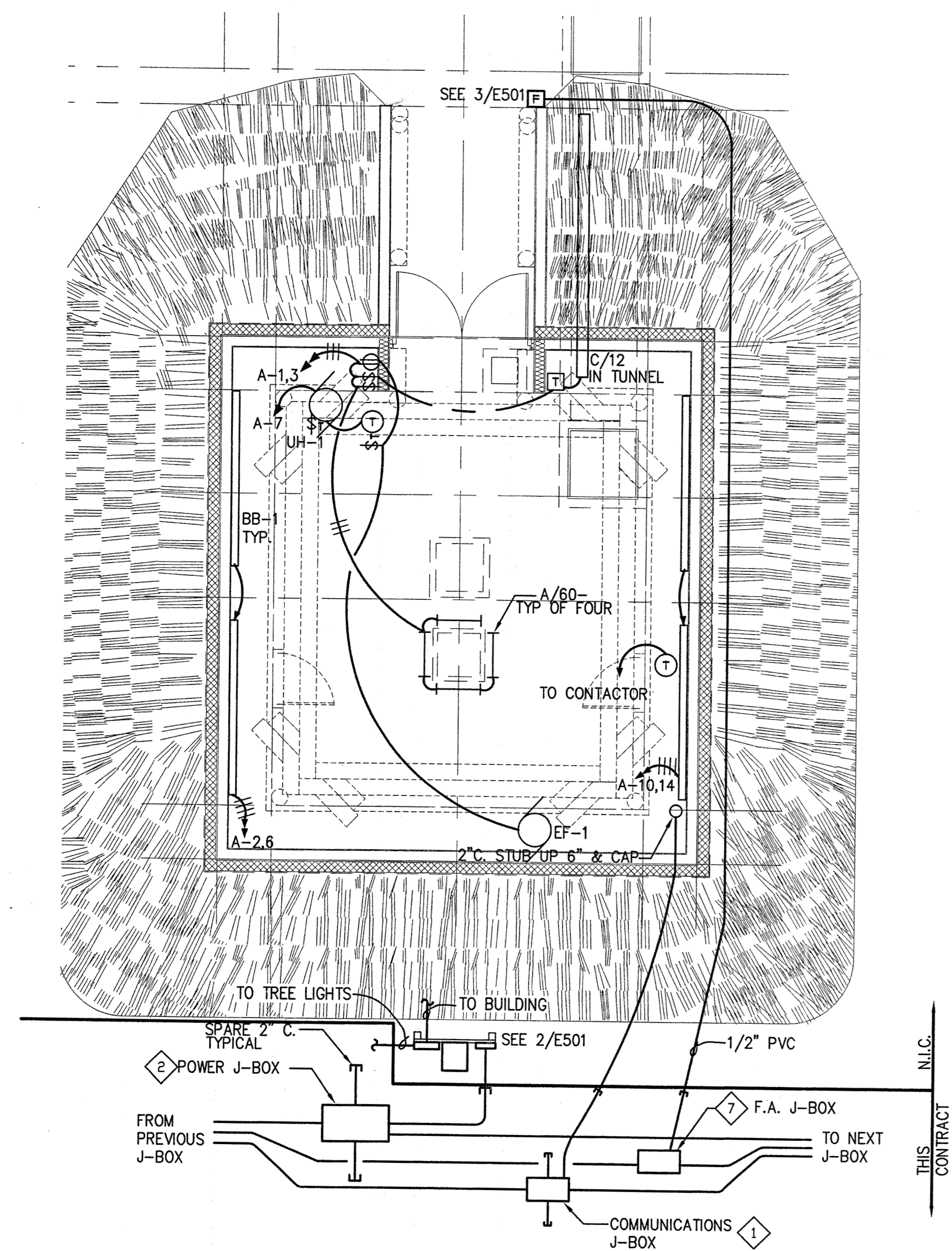
SEAL:

DATE: 08-19-05
 JOB NO.: ANH0505
 DRAWN BY: SNS
 CHECKED BY: REA
 DRAWING TITLE:
**ELECTRICAL
 PLANS**

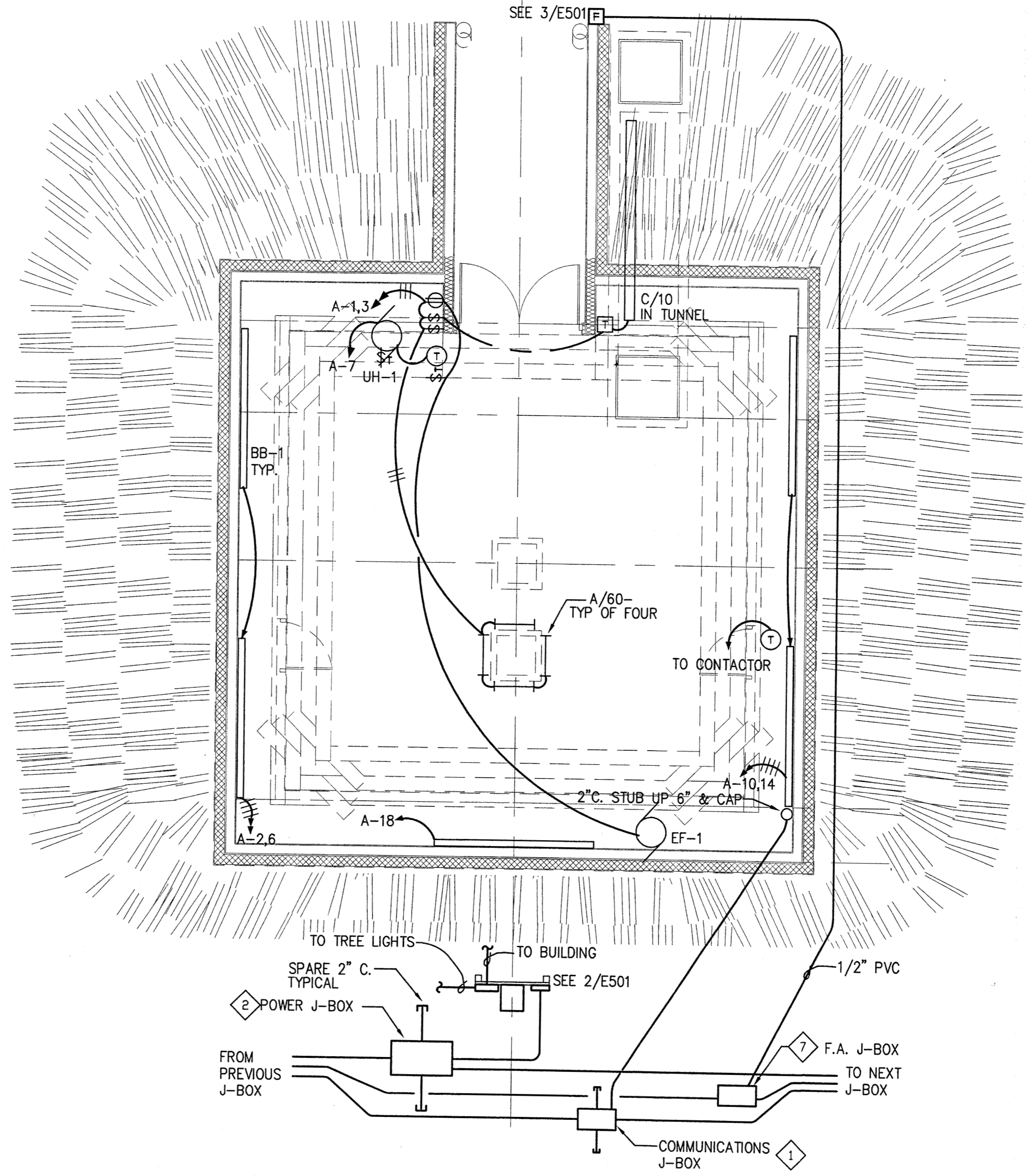
SHEET NO.:
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CONSTRUCTION DOCUMENTS

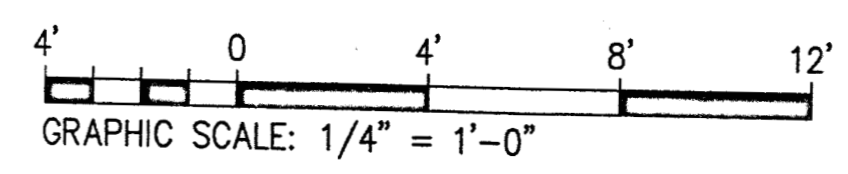


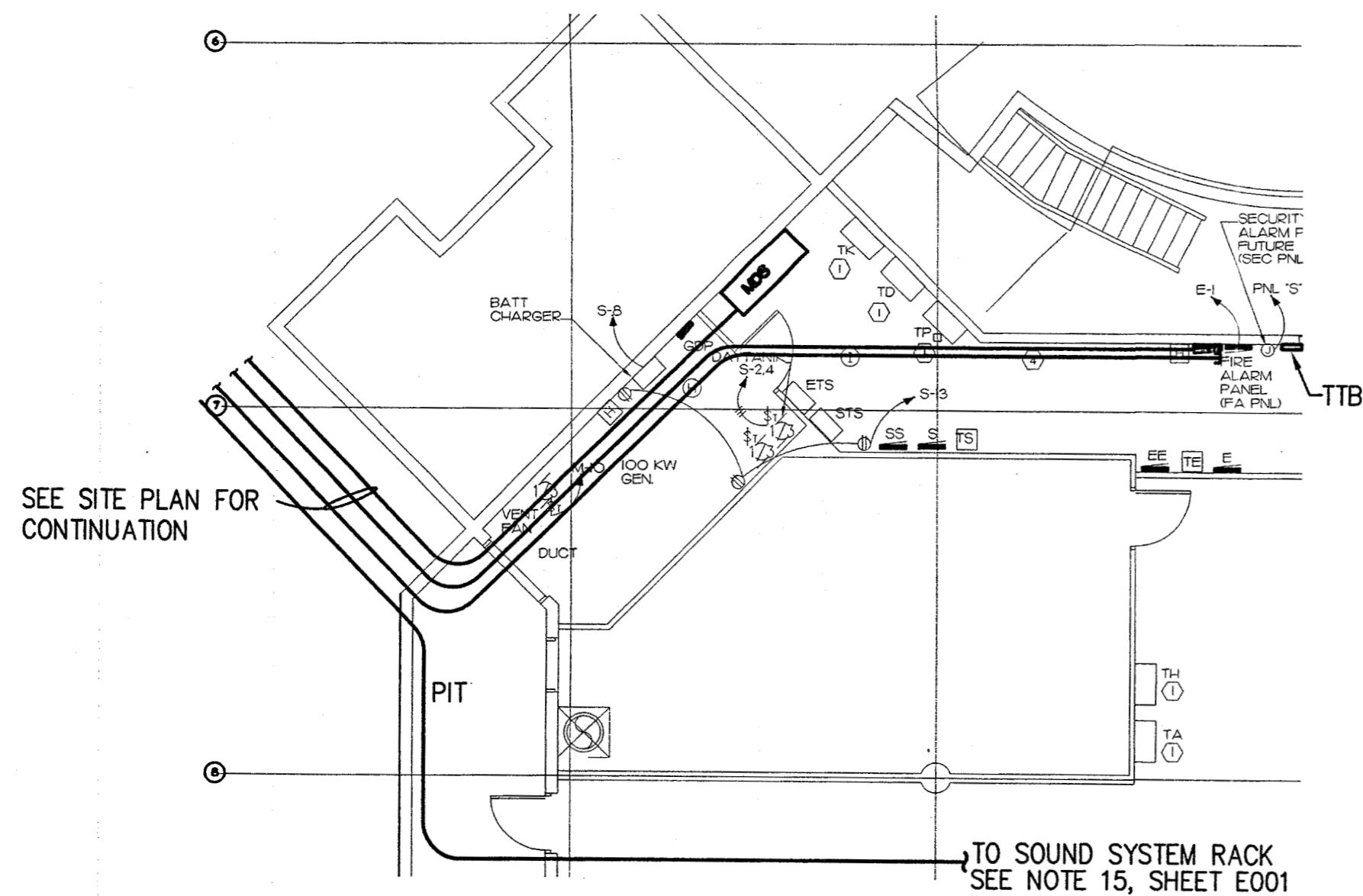
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 SCALE: 1/4" = 1'-0"



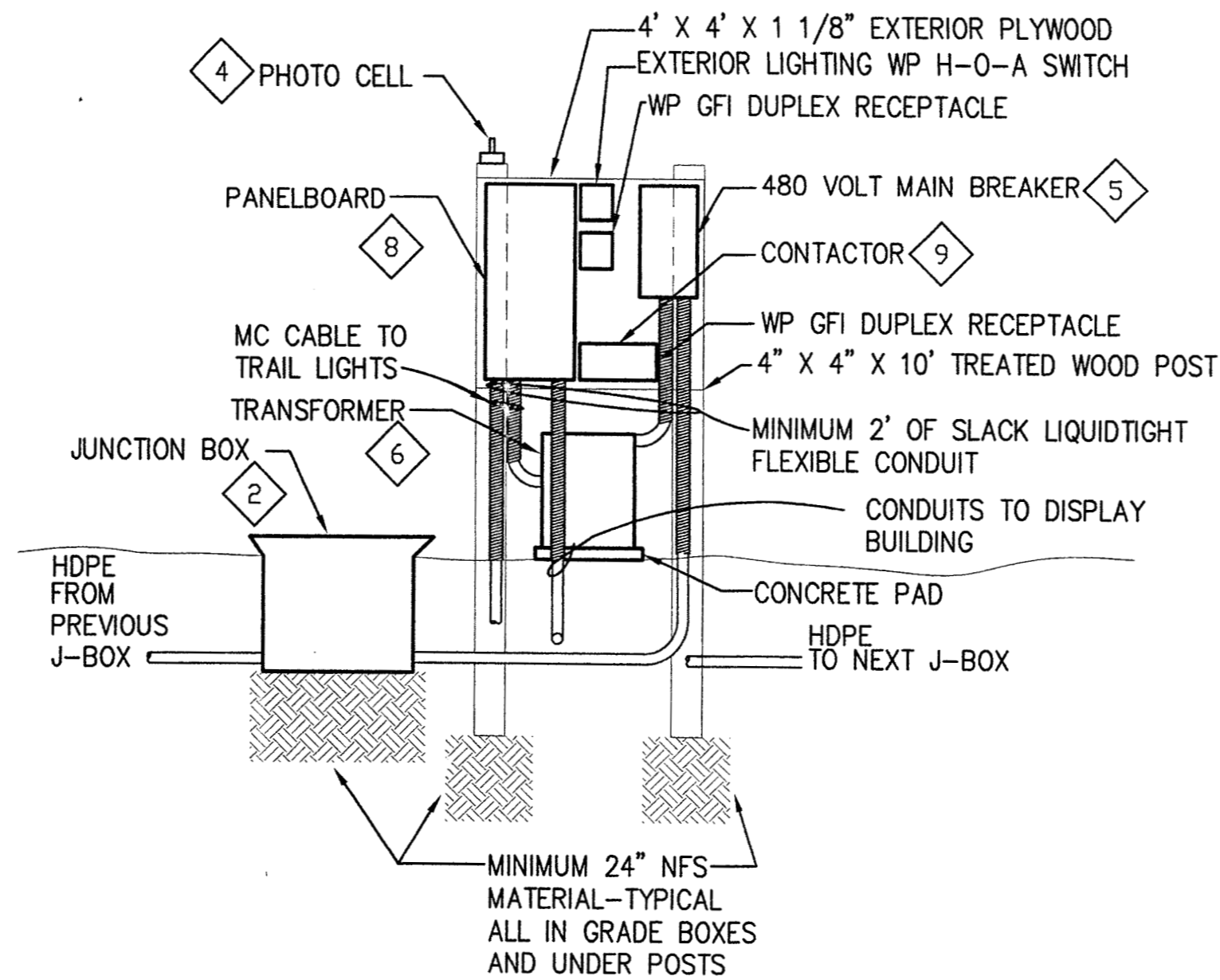
2 QASGIQ - BUILDING #3 - ELECTRICAL PLAN
 SCALE: 1/4" = 1'-0"

APPROVED
 AUG 25 2005
 DAVID H. ABUOBAID

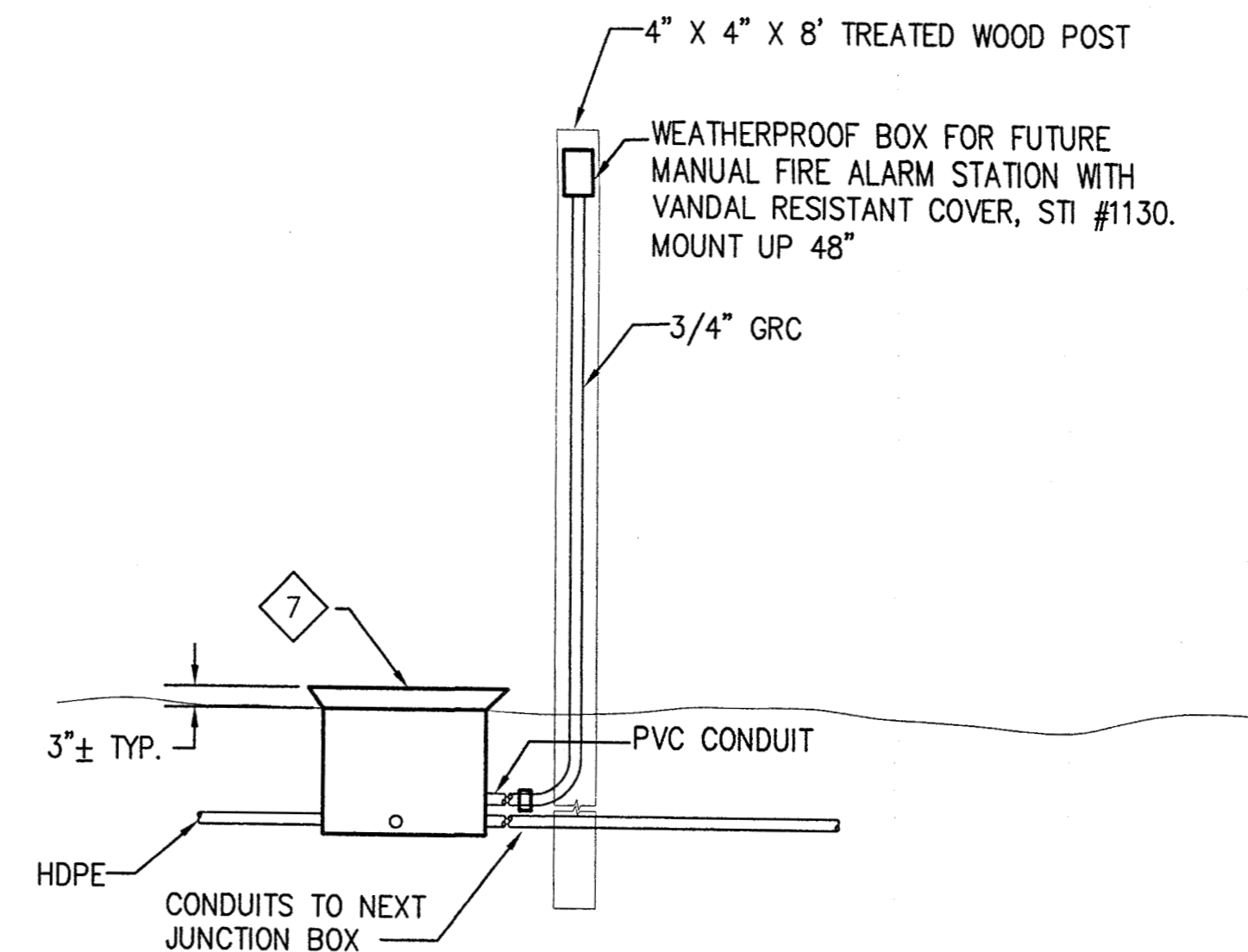




1 EXISTING BUILDING PLAN
SCALE: 1/8"=1'-0"



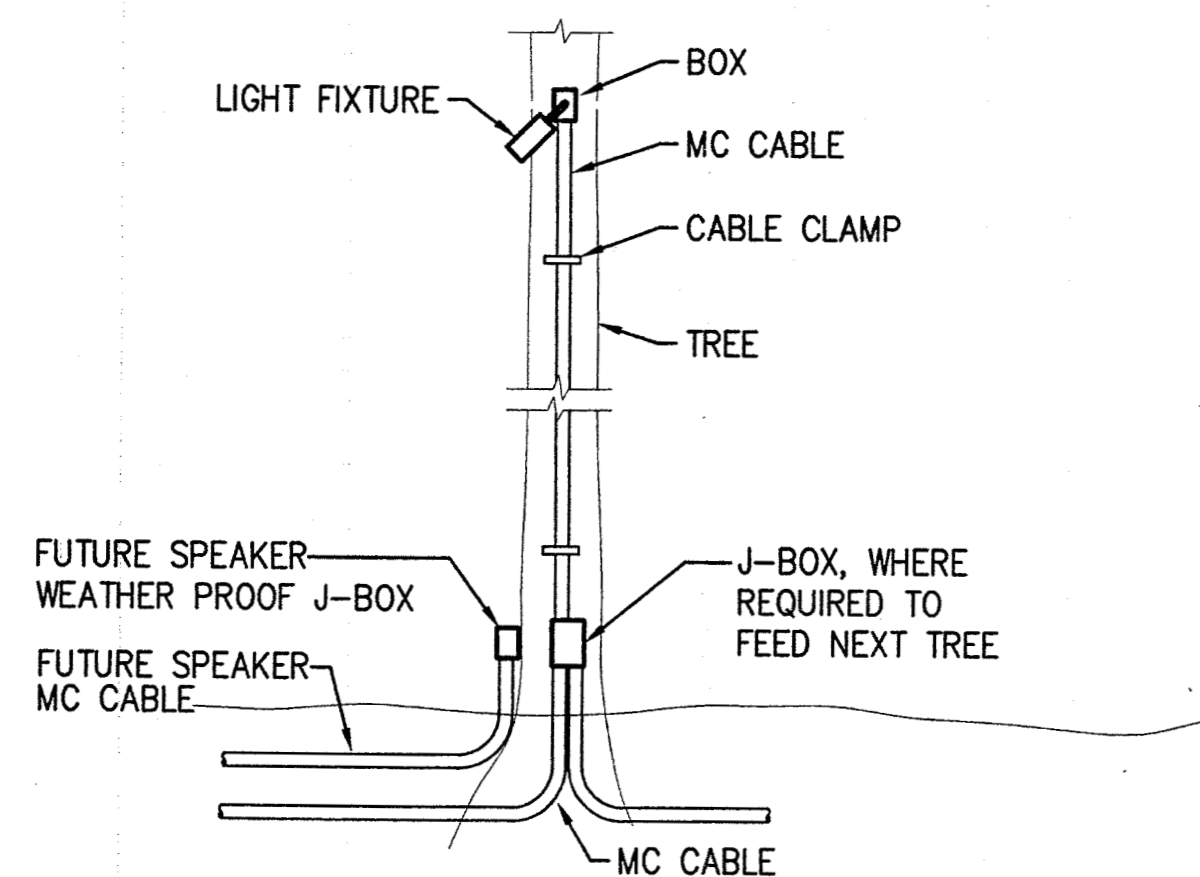
2 TYPICAL DISPLAY SERVICE
SCALE: NTS



3 FIRE ALARM AT EXHIBIT
SCALE: NTS

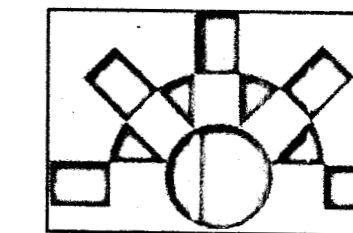
| LIGHTING FIXTURE SCHEDULE | | | | | |
|---------------------------|-------|----------------|-----------|--|---|
| KEY | LAMPS | | MTG. HT. | DESCRIPTION | MANUFACTURERS NO. |
| | NO. | TYPE | | | |
| A/60 | 2 | 2' T5 HO 4100K | IN COVE | TWO LAMP OPEN STRIP FLUORESCENT WITH 0'F ELECTRONIC BALLAST. | COLUMBIA# CN2-2T5HO-X-120 |
| B/50 | 1 | 50PAR20 H/NFL | AS NOTED | WEATHERPROOF ALUMINUM FLOODLIGHT WITH CLEAR LENS AND HONEYCOMB BAFFLE, TREE STRAP, ALUMINUM BOX AND COVER. PROVIDE 12 SPARE LAMPS FOR PROJECT. | B-K LIGHTING #MC-49-VER-9-11-B FIXTURE #TS-MB-2-VER-XX STRAP #BC2-VER COVER |
| B-1/50 | 1 | 50PAR20 H/NSP | AS NOTED | TO MATCH FIXTURE TYPE B/50 EXCEPT FOR LAMP. PROVIDE 4 SPARE NSP LAMPS AND 4 SPARE SP LAMPS FOR PROJECT. | SAME AS FIXTURE TYPE B/50 EXCEPT FOR LAMP. |
| C/X | | FURNISHED | IN TUNNEL | 12 VOLT RECTANGULAR TUBE FIXTURE WITH LAMPS 6" ON CENTER. | TIVOLI FASTUBE #FT1003-CL-6-12 |

| ELECTRICAL EQUIPMENT LIST | | |
|---------------------------|---|--|
| EQUIP. SYMBOL | DESCRIPTION | MANUFACTURER'S NUMBER |
| 1 | FLUSH WITH GRADE JUNCTION BOX, U.L. LISTED 10,400LB LOAD RATING, 11"X18"X24" DEEP, OPEN BOTTOM, 15,000LB LOAD RATED COVER WITH "COMM" LOGO. | QUAZITE #PG-1118-BA-24 BOX #PG-1118-HA-12 COVER |
| 2 | JUNCTION BOX TO MATCH ITEM #1 EXCEPT 17"X30"X24" DEEP WITH COVER "ELECTRIC" LOGO, AND WITH FOUR 1LSCO #PED-6-350SS-DB CONNECTORS | QUAZITE #PG-1730-BA-24 BOX #PG-1730-HA-17 COVER |
| 3 | JUNCTION BOX TO MATCH ITEM #2 EXCEPT WITHOUT CONNECTORS. | SAME AS ITEM #2 |
| 4 | PHOTOCELL, 120/277 VOLT, 2000 WATT, ADJUSTABLE | TORK #2107 |
| 5 | 90 AMP, 3 POLE, 480 VOLT CIRCUIT BREAKER, NEMA 3R ENCLOSURE, S.E. LABEL | SQUARE D |
| 6 | 30KVA TRANSFORMER, NEMA 3R, 3Ø, 480V-120/208V. | SQUARE D |
| 7 | JUNCTION BOX SIMILAR TO ITEM #1 EXCEPT 6"X8"X18" DEEP WITH COVER "FIRE ALARM" LOGO. | QUAZITE # PC-0608-BA-18 BOX #PC-0608-HA-22 COVER |
| 8 | 120/208 VOLT, 3Ø, 4 WIRE, NEMA 3R, 24 CIRCUIT PANELBOARD. | SQUARE D TYPE NQ0D |
| 9 | 10 POLE, 20 AMP CONTACTOR, NEMA 3R ENCLOSURE | SQUARE D TYPE LH1000 |



4 LIGHTING FIXTURE DETAIL AT TREES
SCALE: NTS
FUTURE SPEAKER MOUNTING SIMILAR

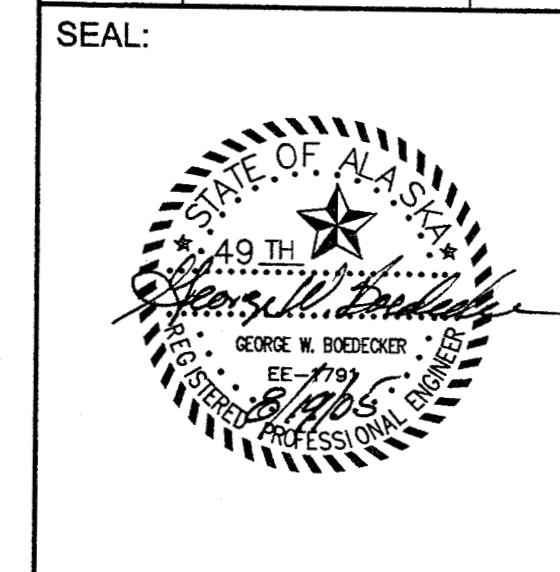
ANHC PHASE I
SITE
IMPROVEMENTS



MBA
Consulting Engineers, Inc.
(807) 274-2622 / FAX (807) 274-0914
mbaconsulting@alaska.com



| REV. | COMMENT | DATE |
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APPROVED

AUG 25 2005

DAVID H. ABUOBAID

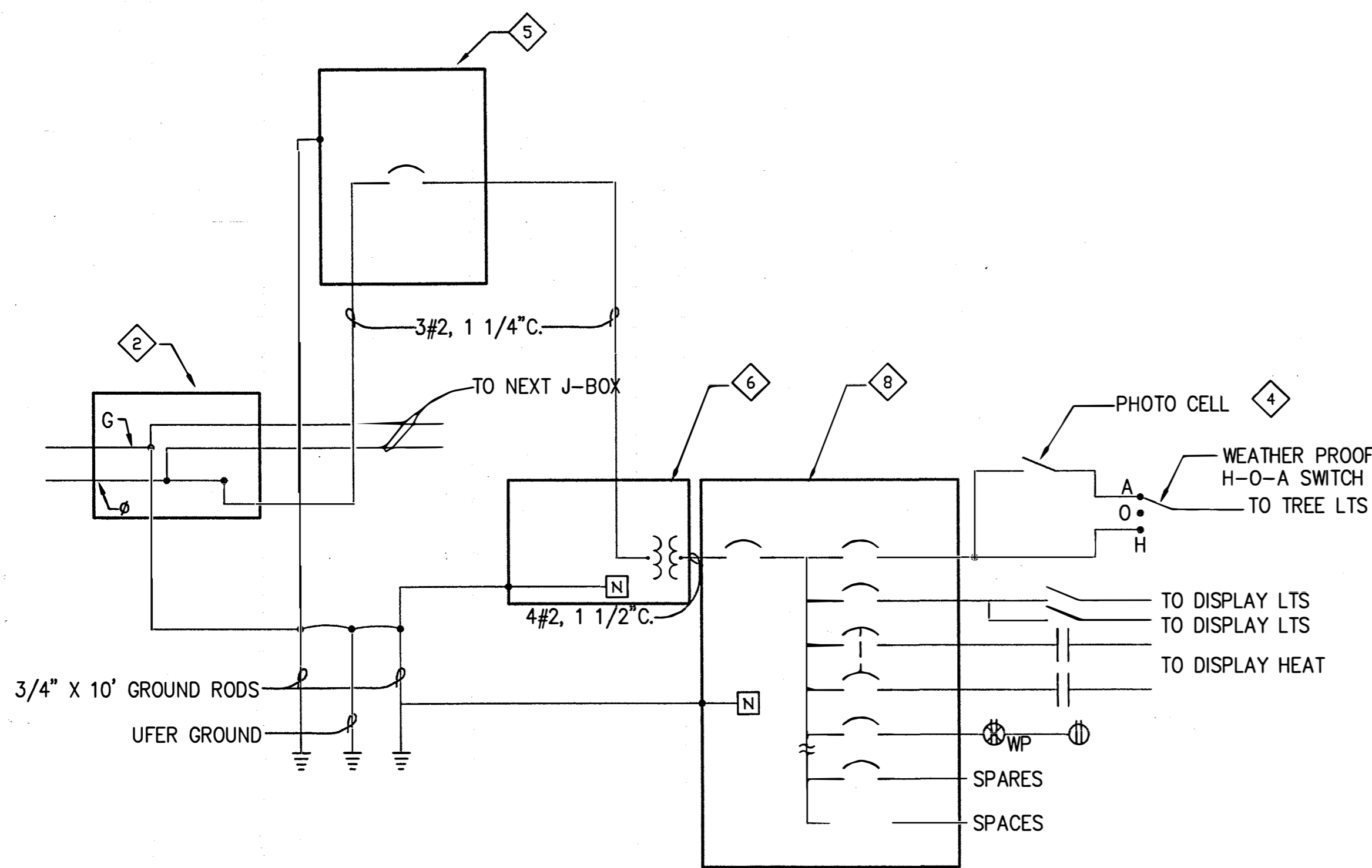
DATE: 08-19-05
JOB NO.: ANH0505
DRAWN BY: SNS
CHECKED BY: REA
DRAWING TITLE:
**EXISTING PLAN
DETAILS AND
SCHEDULES**

SHEET NO.:

E501

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CONSTRUCTION DOCUMENTS



1 TYPICAL DISPLAY ONE-LINE DIAGRAM
SCALE: NTS

PANEL: A (TYPICAL)
PROJECT: ANHC SITE IMPROVEMENTS
LOCATION: _____

THRUFEED LGS SUBFEED BKR
SURF SHNT TRP ISO GRND BAR
FLSH SBF LGS SOLID NEUTRAL
LUGS CB

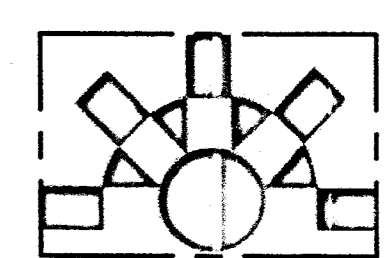
| 120/208 VOLTS | | 3 PH 4 WIRE | | 90 AMP | | 10000 AIC | | |
|---------------------|----------|-------------|-----------------------------|--------|-----|-----------|---------------------|--|
| CIRCUIT DESCRIPTION | KVA | AMP | CKT | CKT | AMP | KVA | CIRCUIT DESCRIPTION | |
| LIGHTS | .25 | 20/1 | 1 | 2 | 20/ | 2.25 | ELECTRIC HEAT | |
| RECEPT/CLES, EF-1 | .4 | 20/1 | 3 | 4 | /2 | | | |
| TREE LIGHTS | .6 | 20/1 | 5 | 6 | 20/ | 2.25 | ELECTRIC HEAT | |
| UH-1 | 1.8 | 20/1 | 7 | 8 | /2 | | | |
| SPARE | | 20/1 | 9 | 10 | 20/ | 2.25 | ELECTRIC HEAT | |
| SPARE | | | 11 | 12 | /2 | | THROUGH CONTACTOR | |
| SPACE | | | 13 | 14 | 20/ | 2.25 | ELECTRIC HEAT | |
| SPACE | | | 15 | 16 | /2 | | | |
| SPACE | | | 17 | 18 | 20/ | 2.25 | (BLDG #3 ONLY) | |
| SPACE | | | 19 | 20 | /2 | | | |
| SPACE | | | 21 | 22 | | | SPACE | |
| SPACE | | | 23 | 24 | | | SPACE | |
| SPACE | | | 25 | 26 | | | | |
| SPACE | | | 27 | 28 | | | | |
| SPACE | | | 29 | 30 | | | | |
| SPACE | | | 31 | 32 | | | | |
| SPACE | | | 33 | 34 | | | | |
| SPACE | | | 35 | 36 | | | | |
| SPACE | | | 37 | 38 | | | | |
| SPACE | | | 39 | 40 | | | | |
| SPACE | | | 41 | 42 | | | | |
| CONNECTED LOAD: | 12.1 KVA | 33.6 A | REMARKS: LOADS FOR BLDG #4: | | | | | |
| DEMAND LOAD: | 12.1 KVA | 33.6 A | CONNECTED LOAD: 14.3KVA | | | | 39.7AMPS | |
| DEMAND + CONT. | 15.1 KVA | 42.0 A | DEMAND LOAD: 14.3KVA | | | | 39.7AMPS | |
| DATE: | | | DMD+CONT: 17.9KVA | | | | 50.0AMPS | |
| REV: | | | | | | | | |

LOAD CALCULATION

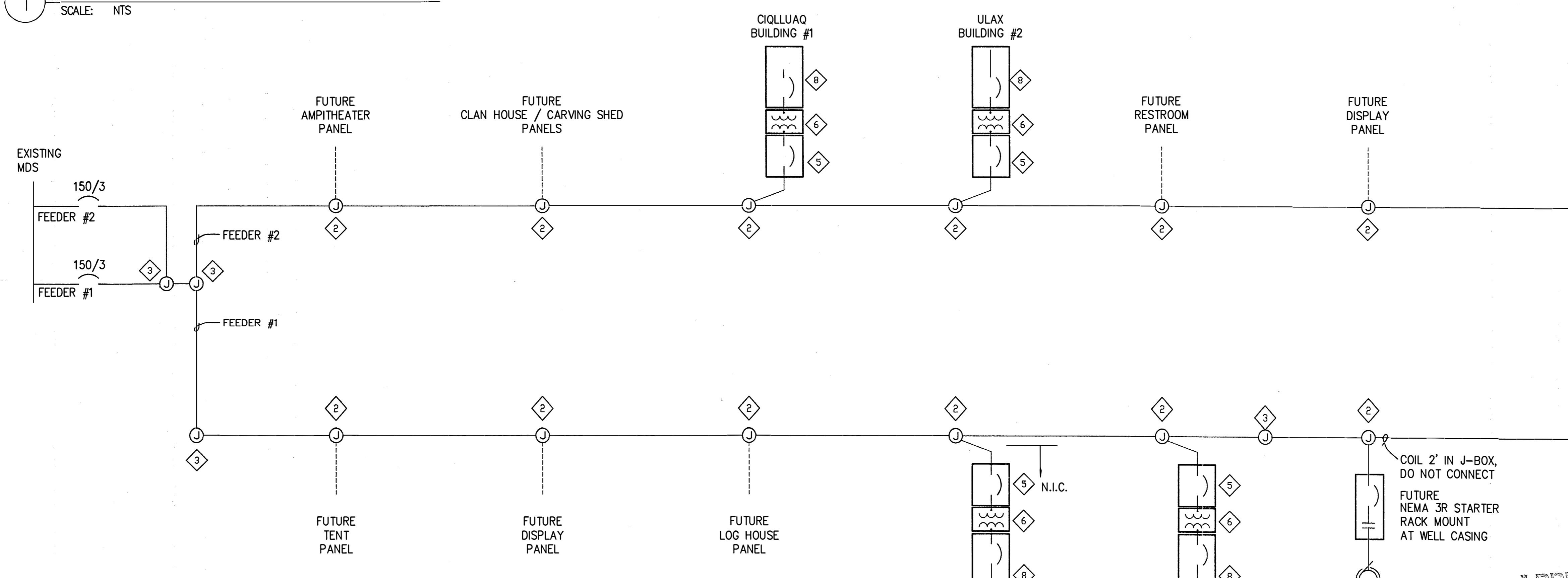
FEEDER #1:
BUILDING #4 14.3KVA
FUTURE BUILDING #3 12.1KVA
FUTURE WELL ESTIMATE 6.1KVA
32.5KVA@480V=39AMPS
124.6KVA =150AMPS

FEEDER #2:
BUILDING #1 12.1KVA
BUILDING #2 12.1KVA
24.2KVA @480V=29.1AMPS
124.6KVA@480V=150AMPS

ANHC PHASE I
SITE
IMPROVEMENTS



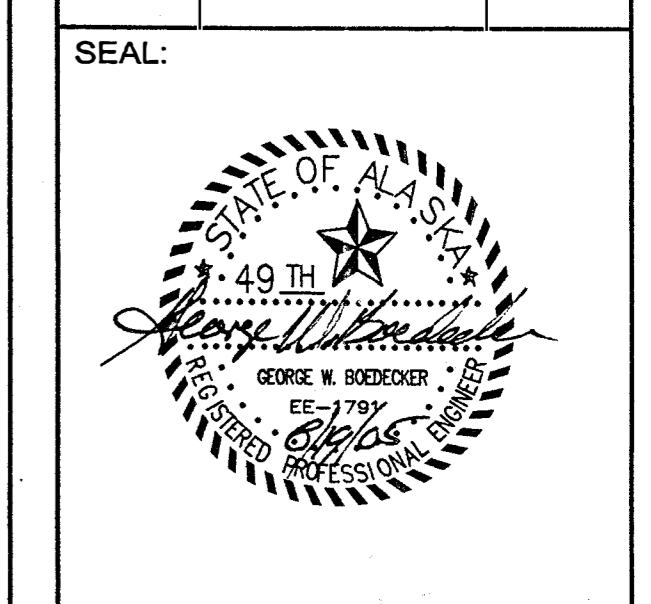
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2 OVERALL POWER ONE-LINE DIAGRAM
SCALE: NTS
NOTES: SEE SITE PLAN FOR CONDUIT AND CONDUCTOR SIZES

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DATE: 08-19-05
JOB NO.: ANH0505
DRAWN BY: SNS
CHECKED BY: REA
DRAWING TITLE:
POWER ONE-LINE DIAGRAM
SHEET NO.:
E502