

# GUNNISON VALLEY HOSPITAL ADDITION & REMODEL

GUNNISON

9110 APRIL 1993

UTAH

## INDEX

00	COVER SHEET
<b>SITE DEVELOPMENT</b>	
SD1	DEMOLITION SITE PLAN
SD2	SITE PLAN & LANDSCAPE PLAN
SD3	ENLARGED SITE PLANS & DETAILS
SD4	SITE DETAILS
<b>STRUCTURAL</b>	
S1.1	STRUCTURAL NOTES
S2.1	FOOTING & FOUNDATION PLAN
S2.2	FIRST FLOOR FRAMING PLAN
S2.3	ROOF FRAMING PLAN
S3.1	CONCRETE & MASONRY SCHEDULES
S3.2	STEEL FRAMING SCHEDULES & TYPICAL STEEL DETAILS
S4.1	FOOTING & FOUNDATION DETAILS
S4.2	FOOTING & FOUNDATION DETAILS
S5.1	STEEL DETAILS
S6.1	STEEL & MASONRY DETAILS
S6.2	STEEL & MASONRY DETAILS
S6.3	INTERIOR REMODEL DETAILS
<b>ARCHITECTURAL</b>	
D1	DEMOLITION PLAN
A1.1	MAIN FLOOR PLAN
A1.2	LOWER FLOOR PLAN
A2.1	ENLARGED FLOOR PLANS / WALL TYPES
A3.1	BUILDING SECTIONS
A3.2	WALL SECTIONS
A3.3	WALL DETAILS
A3.4	MISC. DETAILS
A4.1	ELEVATIONS
A5.1	MAIN FLOOR REFLECTED CEILING PLAN
A5.2	LOWER FLOOR REFLECTED CEILING PLAN
A6.1	ROOF PLAN AND DETAILS
A7.1	MILLWORK ELEVATIONS
A7.2	MILLWORK & INTERIOR ELEVATIONS
A7.3	MILLWORK DETAILS
A7.4	MILLWORK DETAILS
A8.1	SCHEDULES - DOOR/WINDOW/FINISH
A8.2	DOOR & WINDOW DETAILS
F1.1	MAIN FLOOR FURNISHING PLAN
F1.2	LOWER FLOOR FURNISHING PLAN
<b>MECHANICAL</b>	
M1.1	MAIN FLOOR MECHANICAL PLAN
M1.2	BASEMENT MECHANICAL PLAN
M2.1	MAIN FLOOR PIPING PLAN
M2.2	BASEMENT PIPING PLAN
M3.1	LARGE SCALE PLANS & SECTIONS
M4.1	SCHEDULES
M4.2	SCHEDULES
M5.1	DETAILS
M5.2	DETAILS
M5.3	DETAILS
<b>PLUMBING</b>	
P1.1	MAIN FLOOR PLUMBING PLAN (WATER SUPPLY)
P1.2	BASEMENT FLOOR PLUMBING PLAN (WATER SUPPLY)
P1.3	MAIN FLOOR PLUMBING PLAN (WASTE & VENT)
P1.4	BASEMENT FLOOR PLUMBING PLAN (WASTE & VENT)
P2.1	MAIN FLOOR MEDICAL GAS PIPING PLAN
P2.2	BASEMENT FLOOR MEDICAL GAS PIPING PLAN
P3.1	SCHEDULES
P4.1	DETAILS
FP1.1	MAIN FLOOR FIRE PROTECTION PLAN
FP1.2	BASEMENT FLOOR FIRE PROTECTION PLAN
<b>ELECTRICAL</b>	
E0.0	TITLE SHEET/SYMBOLS
E0.1	ONE-LINE DIAGRAM
E0.2	ONE-LINE DIAGRAM CONT./NURSE'S CALL RISER
E0.3	ELECTRICAL REQUIREMENTS SCHEDULE
E0.4	PANEL SCHEDULES
E0.5	LIGHTING FIXTURE SCHEDULE
E2.1	MAIN LEVEL LIGHTING PLAN
E2.2	BASEMENT LEVEL LIGHTING PLAN
E3.1	MAIN LEVEL POWER PLAN
E3.2	BASEMENT LEVEL POWER PLAN
E4.1	MAIN LEVEL NURSE'S CALL PLAN
E4.2	BASEMENT LEVEL NURSE'S CALL PLAN
E5.1	MAIN LEVEL FIRE ALARM PLAN
E5.2	BASEMENT LEVEL FIRE ALARM PLAN

## CODE REVIEW

APPLICABLE CODES

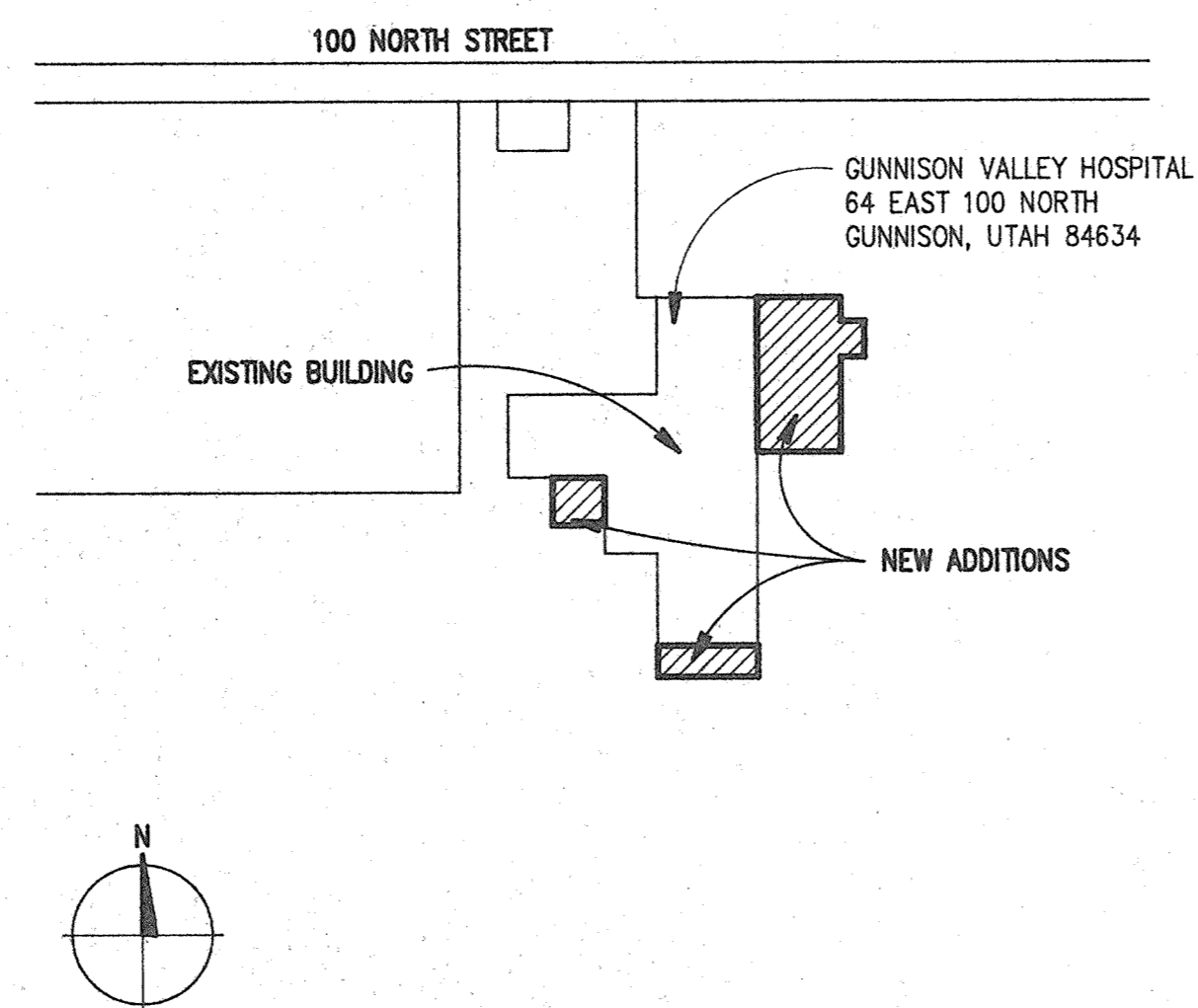
Uniform Building Code, 1991  
Life Safety Code, NFPA 101, 1988  
Uniform Mechanical Code, 1991  
Uniform Plumbing Code, 1991  
National Electrical Code, 1989  
Uniform Fire Code, 1991  
Hospital Guidelines, 1987

EXISTING STRUCTURE	Occupancy II.1	TOTAL EXISTING (16,977 S.F.)
	- Main Floor S.F.	(EXISTING) = 12,465
	- Basement Floor S.F.	(EXISTING) = 4,512
	Construction Type III - 1 hour	
NEW ADDITIONS	Occupancy II.1	TOTAL NEW (16,977 S.F.)
	- Main Floor S.F.	6,888
	- Basement Floor S.F.	4,988
	Construction Type II - 1 hour	
TOTAL SQUARE FOOTAGE		
	- Main Floor	19,353 S.F.
	- Basement Floor	9,498 S.F.
ALLOWABLE S.F. FOR CONSTRUCTION TYPES (UBC TABLE 5-C)		
	- 6,800 S.F. Each Floor	
	- Main Floor	6,800 S.F.
	- Basement Floor	6,800 S.F.
AUTOMATIC SPRINKLER SYSTEMS (UBC 506 (c))		
	All areas of the building are fully fire sprinklered.	
	Double each floor.	
	- Main Floor	13,600 S.F.
	- Basement Floor	13,600 S.F.
SEPARATION ON 3 SIDES (UBC 506 (e)(2))		
	3 sides min. 60' setbacks, 4th min. 20'	
	100% increase allowed.	
	MAIN ALLOWED (27,200 S.F.)	ACTUAL (19,353 S.F.)
	BASEMENT ALLOWED (27,200 S.F.)	ACTUAL (9,498 S.F.)

## SYMBOLS

	WALL TYPE
	WALL SECTION MARKER
	BUILDING SECTION
	DETAIL
	ROOM NUMBER
	INTERIOR ELEVATION
	WINDOW TYPE
	KEY NOTE OR MATERIAL CALL-OUT
	FEATURE ELEVATION
	DOOR NUMBER

## VICINITY MAP



## KEY TO MATERIALS

COMPACTED GRANULAR FILL	
ASPHALT PAVING	
CONCRETE	
CONCRETE MASONRY UNIT	
CERAMIC TILE	
GROUT	
CONTINUOUS WOOD	
WOOD BLOCKING	
PLYWOOD	
FINISH WOOD	
INSULATION	
RIGID INSULATION	
GYPSUM BOARD	
ACOUSTIC TILE	
METAL STUD WALLS	
MASONRY	
EARTH	

## ARCHITECT

JHCH ARCHITECTS P.C.

421 WAKARA WAY SALT LAKE CITY, UTAH 84108  
(801) 583-5533

## CONSULTANTS

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**MECHANICAL**  
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1354 E. 3300 S. SUITE 301 SALT LAKE CITY, UTAH 84106  
(801) 484-7557

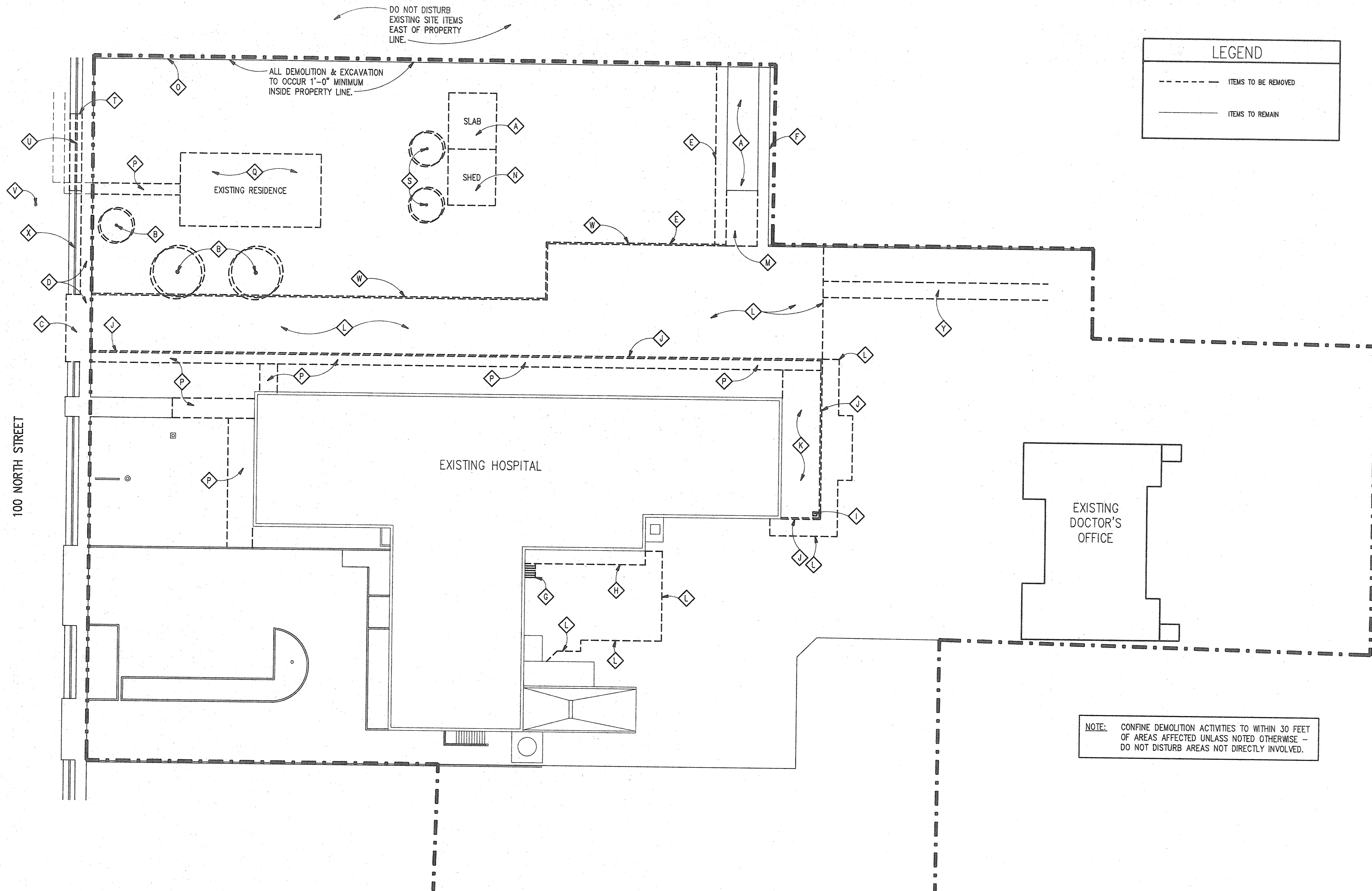
**ELECTRICAL**  
SPECTRUM PROFESSIONAL SERVICES, INC.  
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## APPROVALS

MARK STODDARD

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Architects • P.C.

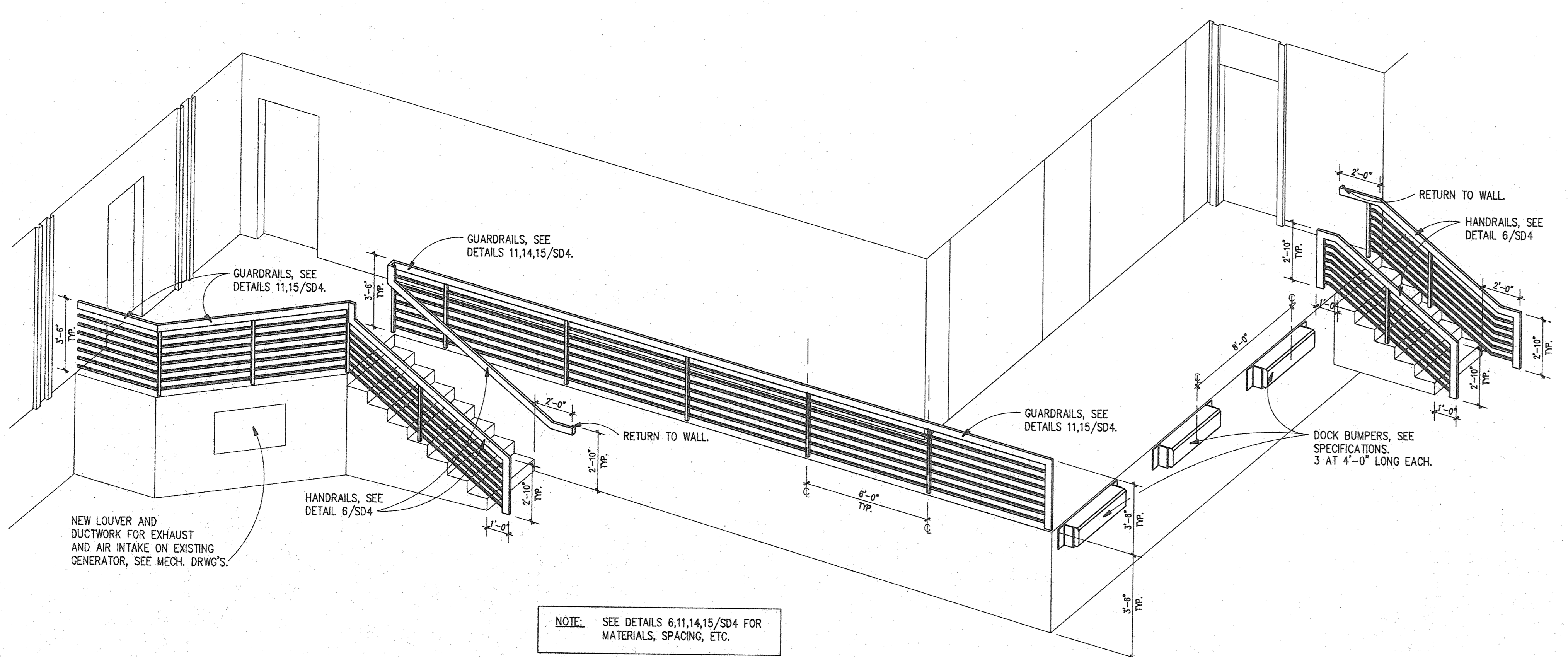


SITE DEMOLITION PLAN

SCALE 1" = 20'-0"

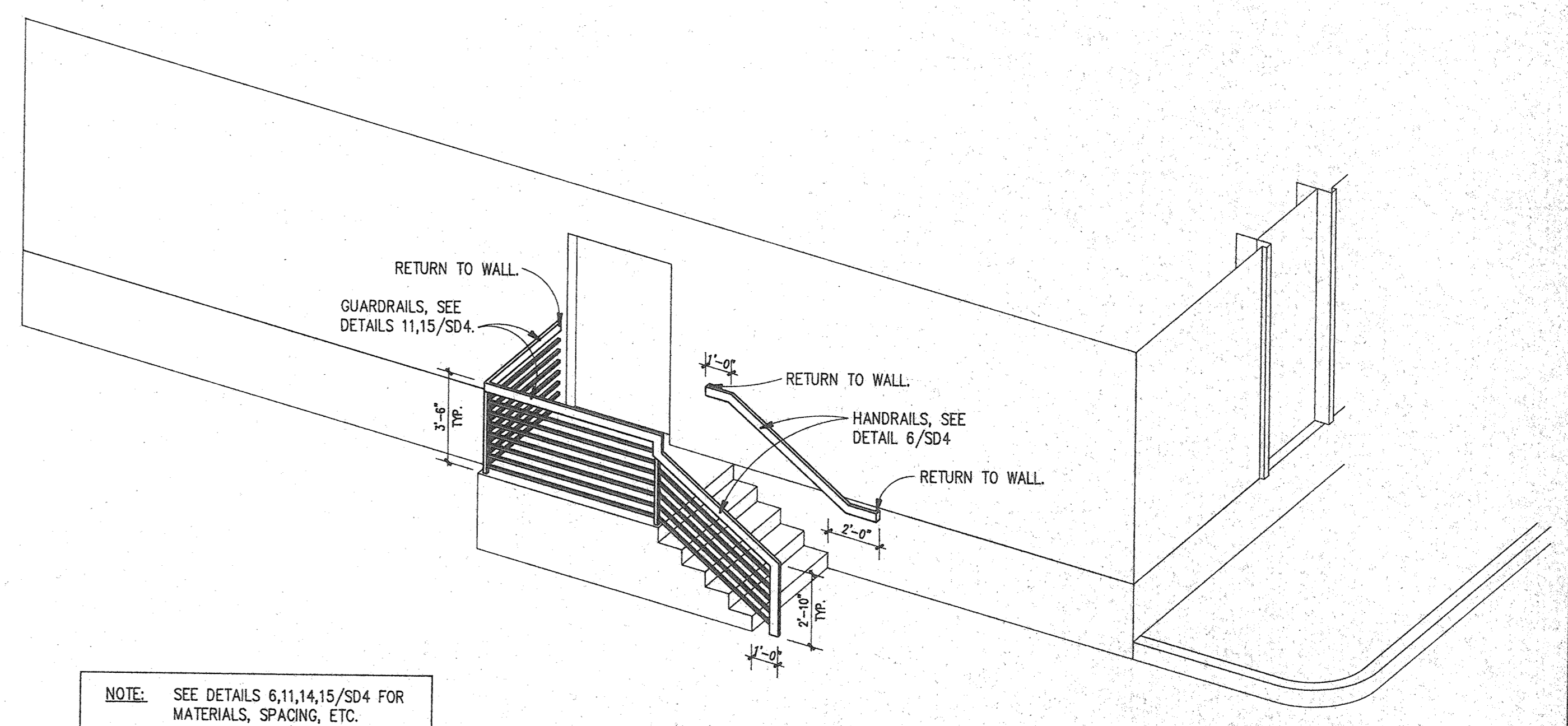
KEY NOTES

- ⓐ PROTECT EXISTING CONCRETE SLAB.
- ⓑ REMOVE TREE STUMPS AND ROOTS AS REQUIRED FOR NEW CONSTRUCTION.
- ⓒ REMOVE EXISTING CONCRETE ENTRY DRIVE.
- ⓓ REMOVE EXISTING CONCRETE SIDEWALK FROM EXISTING CONCRETE HOSPITAL ENTRY BEING REMOVED THRU NEW HOSPITAL ENTRY.
- ⓔ REMOVE CHAIN LINK FENCE.
- ⓕ PROTECT EXISTING CHAIN LINK FENCE.
- ⓖ REMOVE EXISTING CONCRETE STAIRS AS REQUIRED FOR NEW CONSTRUCTION.
- ⓗ REMOVE EXISTING CONCRETE DOOR AS REQUIRED FOR NEW CONSTRUCTION.
- ⓘ REMOVE LIGHT POLE AND BASE.
- ⓙ REMOVE CONCRETE CURB.
- ⓚ REMOVE SHRUBS AND GRASS THIS AREA.
- ⓛ REMOVE ASPHALT AND ASSOCIATED ELEMENTS AS REQUIRED TO INSTALL NEW CONSTRUCTION. SAW CUT JOINTS.
- ⓜ REMOVE PORTION OF CONCRETE DRIVE TO TIE INTO NEW ASPHALT, SEE ENLARGED PLAN C/SD3. REMOVE TO NEAREST EXISTING JOINT.
- ⓝ REMOVE EXISTING WOOD SHED, CONC. FLOOR & FOUNDATIONS.
- ⓞ REMOVE EXISTING WOOD FENCE.
- ⓟ REMOVE EXISTING CONCRETE SIDEWALK.
- ⓠ REMOVE EXISTING HOUSE TO GRADE. REMOVE BELOW GRADE CONCRETE AS REQUIRED FOR NEW CONSTRUCTION.
- ⓡ REMOVE EXISTING HOSPITAL SIGN.
- ⓢ REMOVE EXISTING TREE, INCLUDING ROOT SYSTEM IN WAY OF NEW CONSTRUCTION.
- ⓣ SAW CUT EXISTING CURB FOR NEW ENTRY DRIVE.
- ⓤ REMOVE EXISTING CURB AND GUTTER - DO NOT DAMAGE EXISTING UTILITY LINES OR PAVING.
- ⓖ VERIFY LOCATION OF EXISTING UTILITY POLES - NOTIFY ARCHITECT OF ANY POTENTIAL CONFLICTS BETWEEN EXISTING AND NEW CONSTRUCTION.
- ⓗ REMOVE EXISTING RETAINING WALL.
- ⓙ EXISTING TO REMAIN (AS PRACTICAL).
- ⓚ SAW CUT ASPHALT AND TRENCH FOR NEW FIRE WATER LINE.



2 ISOMETRIC RAILING DETAIL-AT NEW DOCK AND WALKWAY

NO SCALE



1 ISOMETRIC RAILING DETAIL - NEW (WEST PATIENT ADDITION EXIT).

NO SCALE

486/AS, C:\V110\A8110SD1.DWG, scale 1/20" = 1'-0", 04/02/03 at 12:09

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JHCH-ARCHITECTS

DATE:  
APR. 5, 1993

JOB #  
9110

BY:  
TLC

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SD  
1

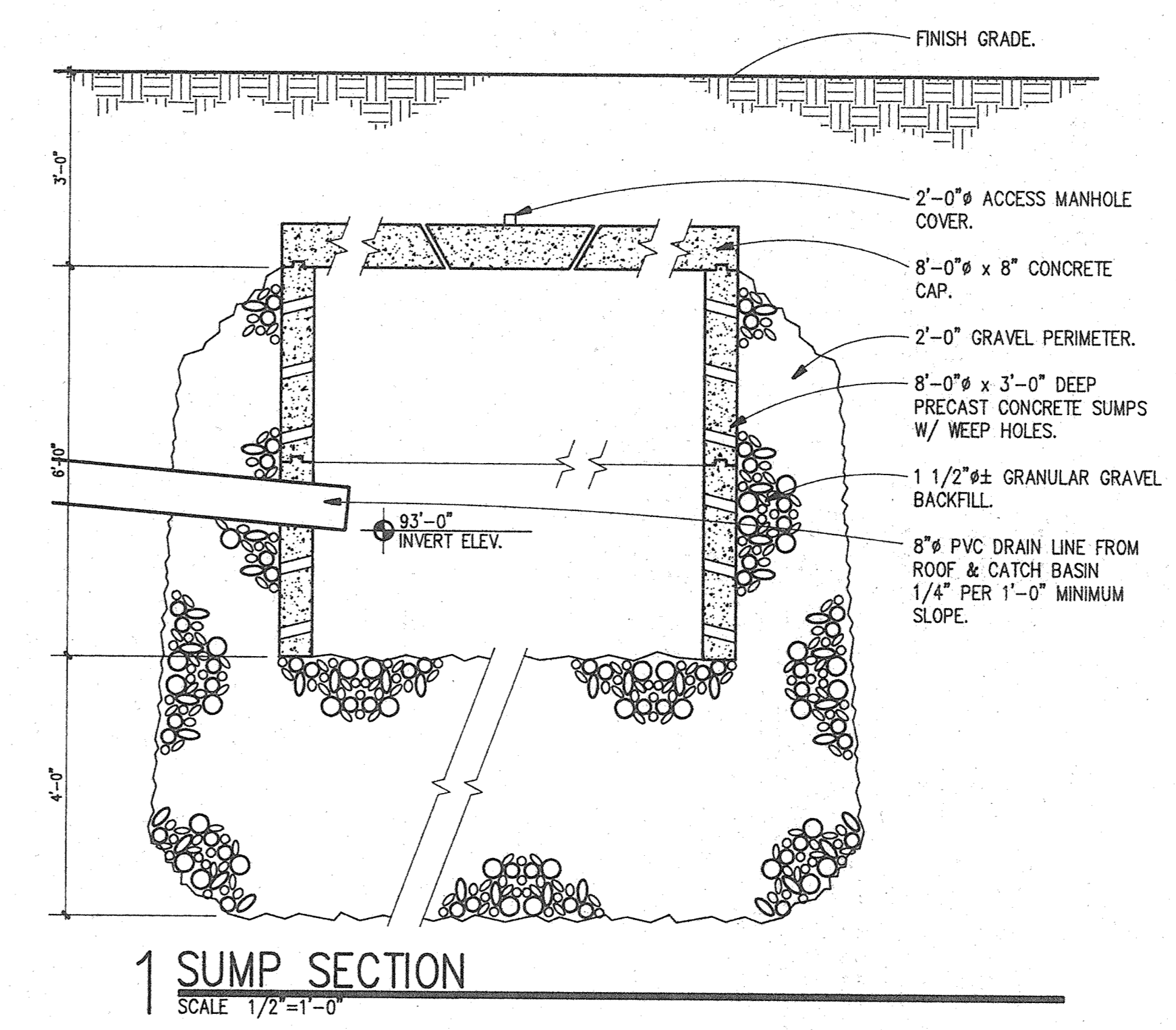
V110\A8110SD1.DWG  
SHEET 2 OF 2



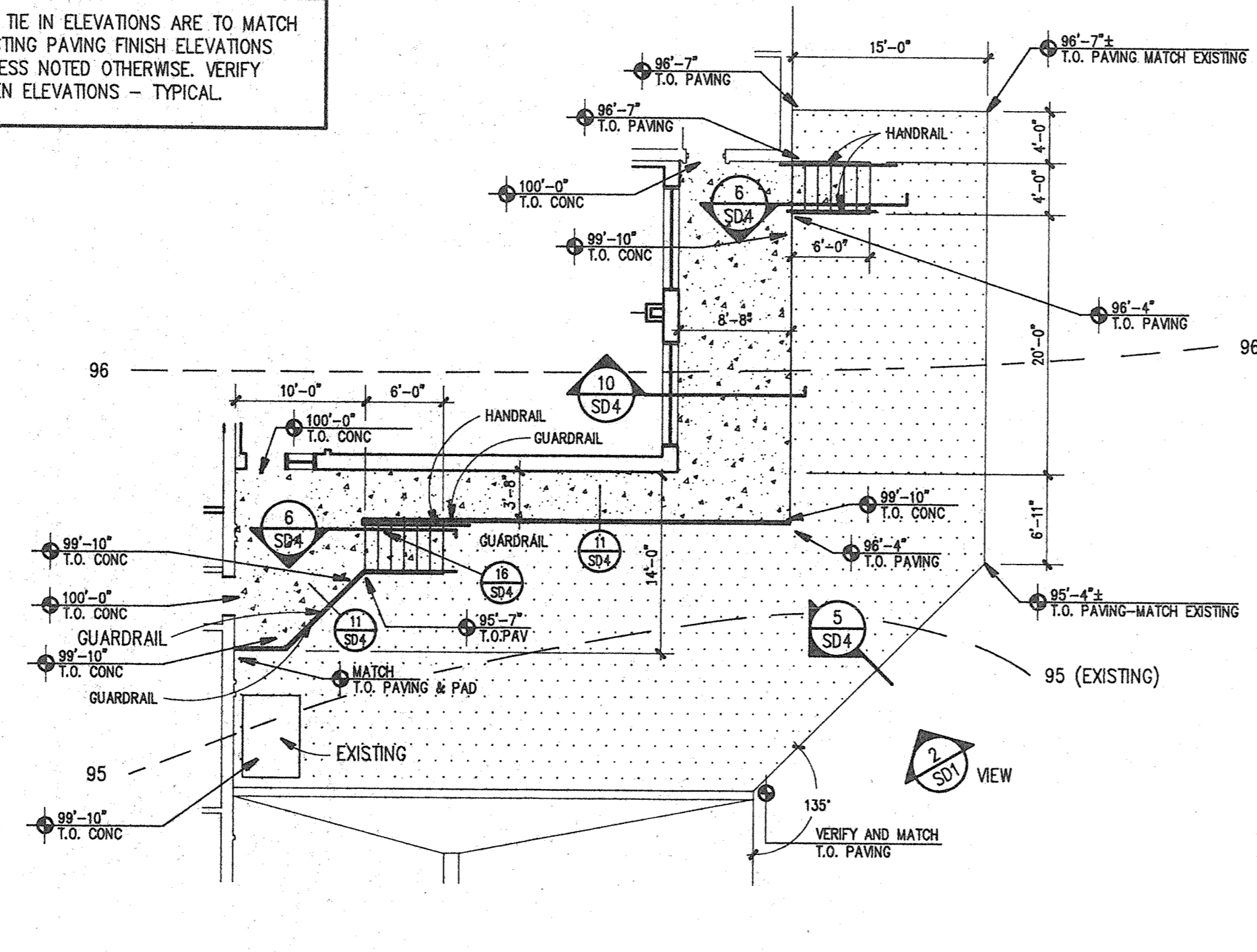
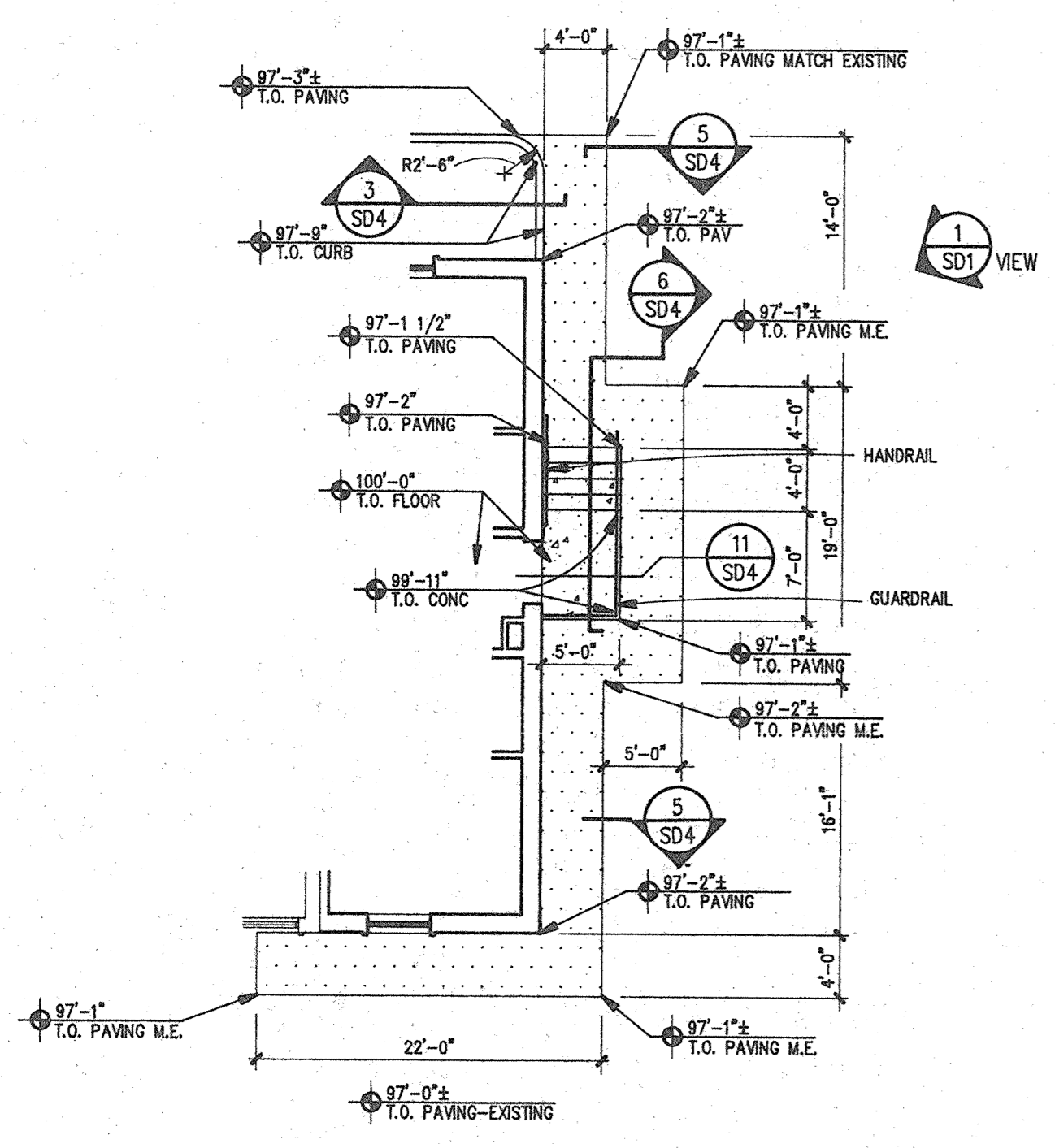
**KEY NOTES**

- 1 BOLLARD, 3'-0" HIGH - SEE DETAIL 18/SD4.
- 2 BOLLARD, 4'-0" HIGH - SEE DETAIL 19/SD4.
- 3 SAWCUT CONCRETE.
- 4 EXISTING CONCRETE DRIVE TO REMAIN. PROTECT FROM DAMAGE.
- 5 EMERGENCY ENTRY SIGN, LOCATION BY OWNER, POWER BY CONTRACTOR.
- 6 DO NOT DISTURB EXISTING.
- 7 EXPANSION & CONTROL JOINTS. SEE SPECIFICATIONS.
- 8 FUTURE CONDENSER UNIT.
- 9 CONDENSER UNIT, SEE SPECIFICATIONS.
- 10 HANDICAPPED PARKING SIGN, SEE DETAIL 21/SD4.

NOTE: SLOPE ALL FINISH GRADES AWAY FROM BUILDING @ 5% MINIMUM FOR 5'-0" UNLESS NOTED OTHERWISE.

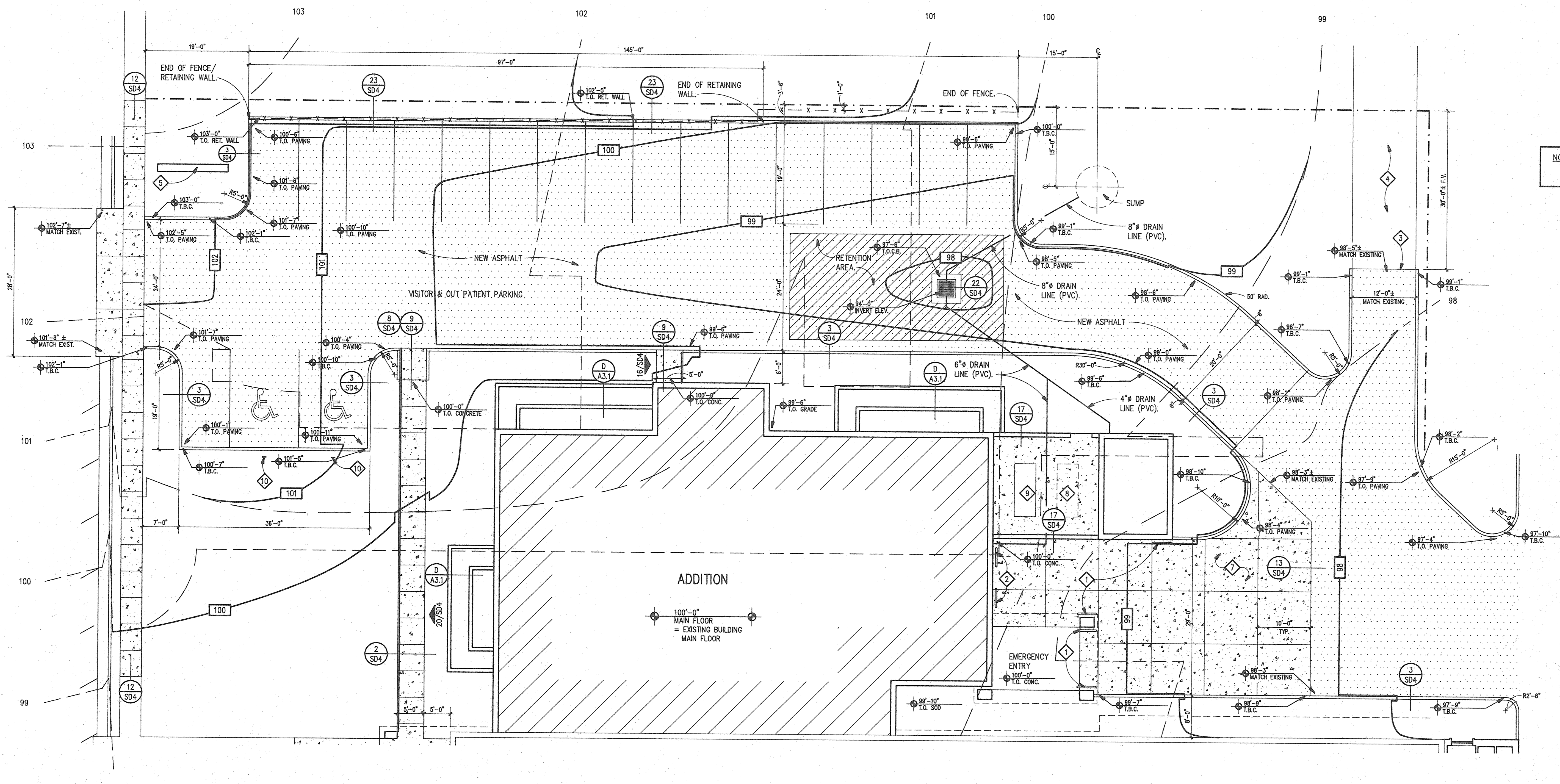


NOTE: ALL TIE IN ELEVATIONS ARE TO MATCH EXISTING PAVING FINISH ELEVATIONS UNLESS NOTED OTHERWISE. VERIFY GIVEN ELEVATIONS - TYPICAL.

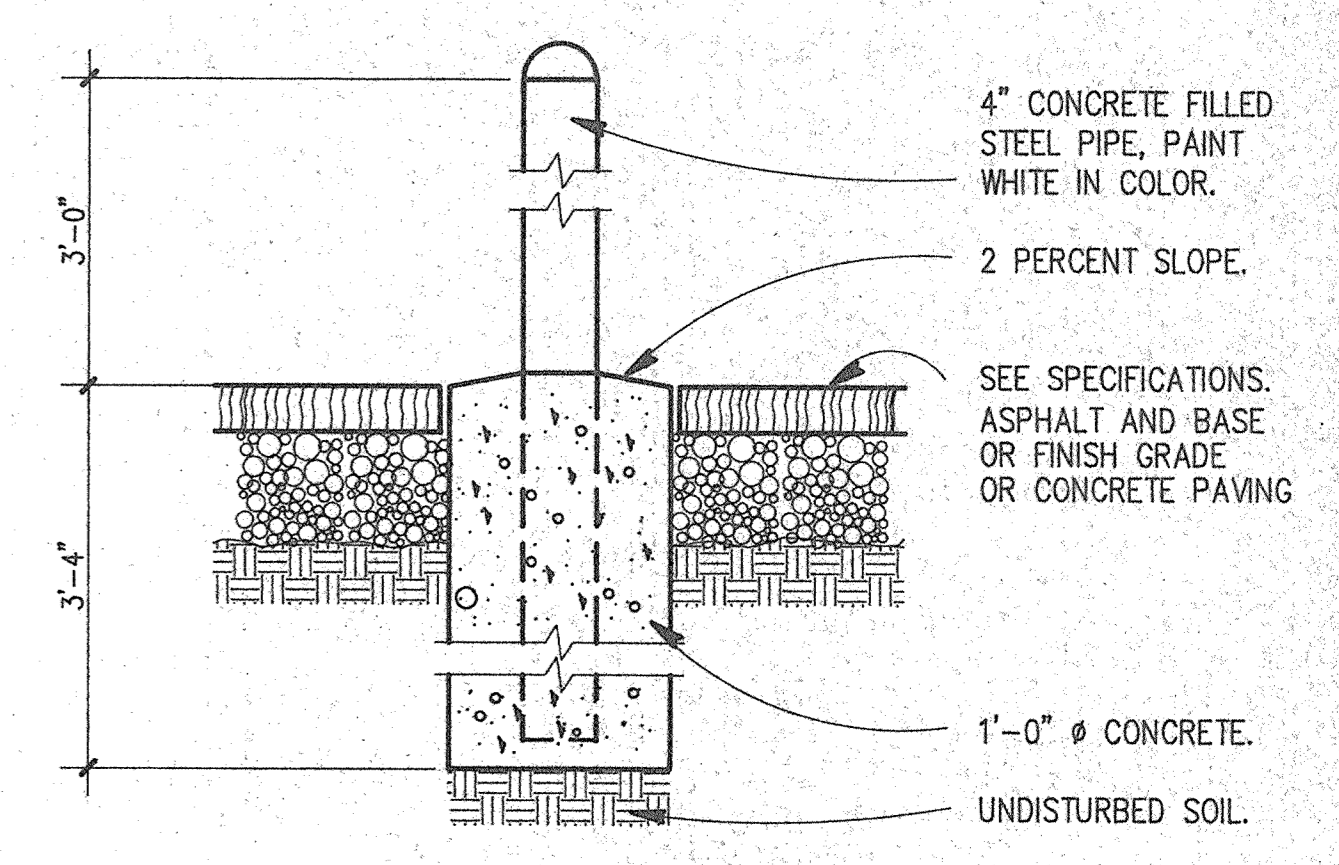


**B ENLARGED SITE PLAN**  
SCALE: 1"=10'-0"

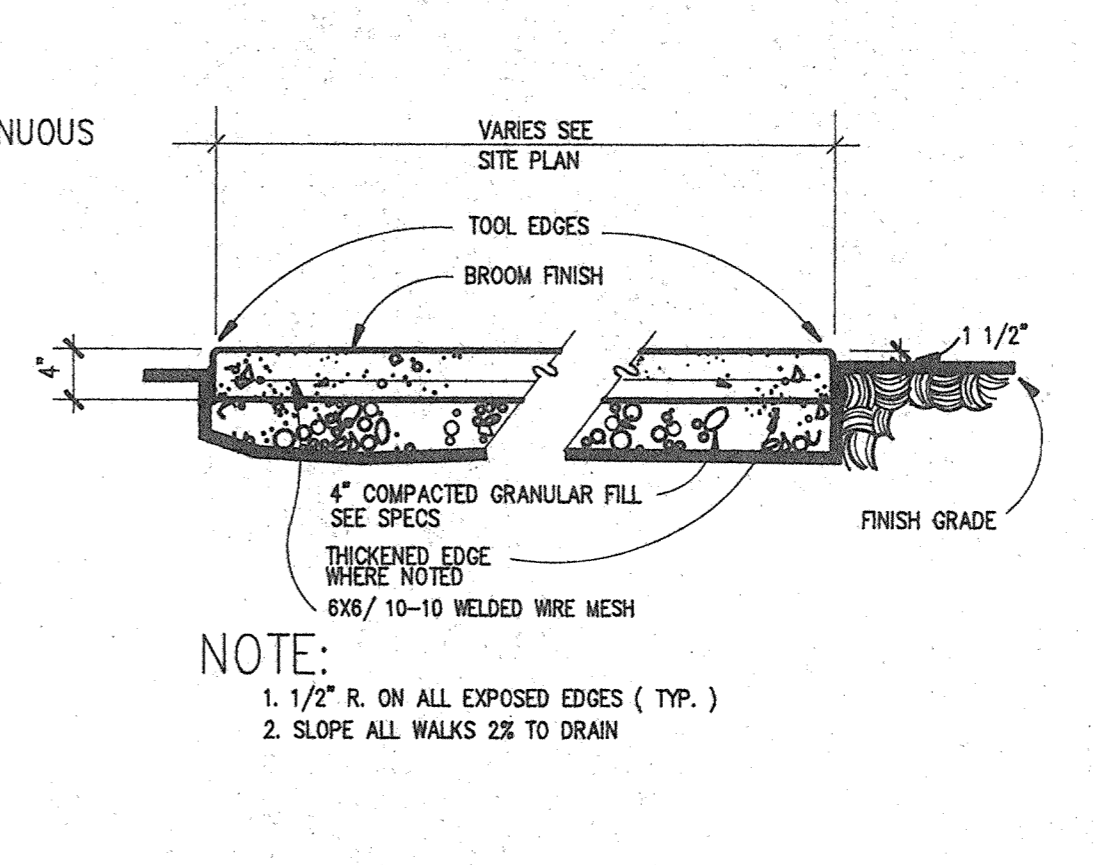
**A ENLARGED SITE PLAN**  
SCALE: 1"=10'-0"



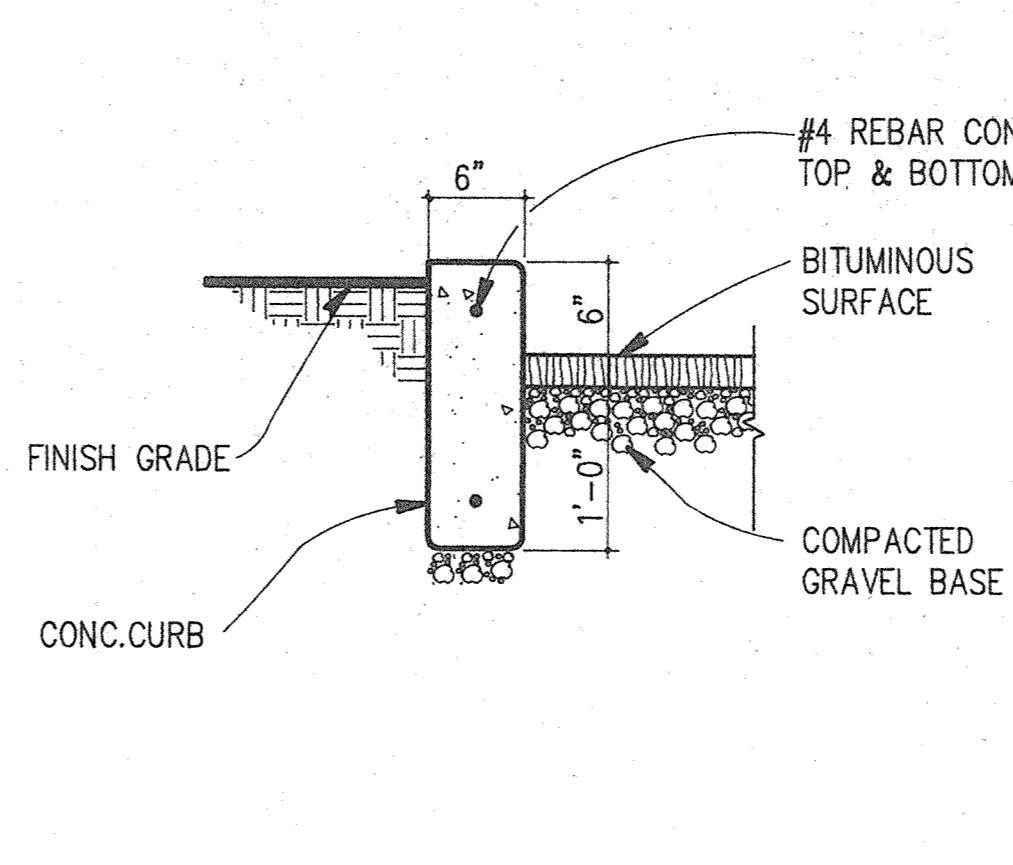
**C ENLARGED SITE PLAN**  
SCALE: 1"=10'-0"



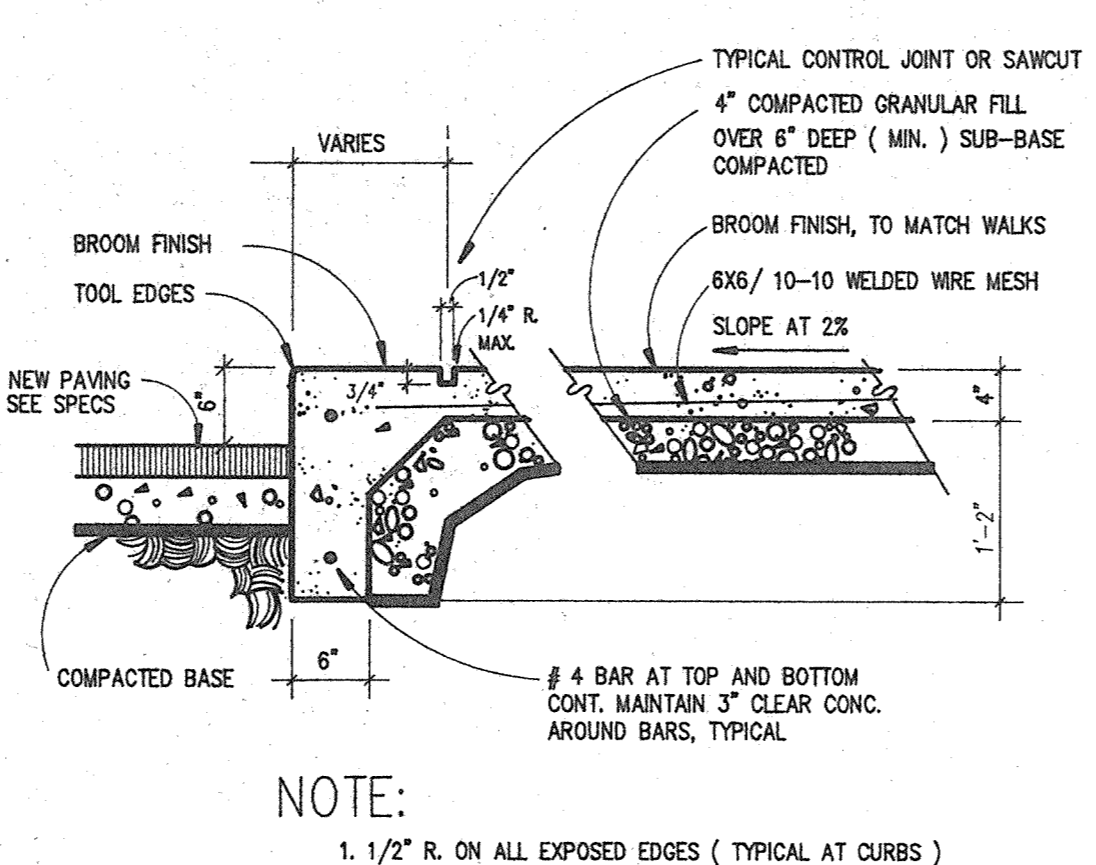
1 BOLLARD DETAIL  
SCALE: 1"=1'-0"



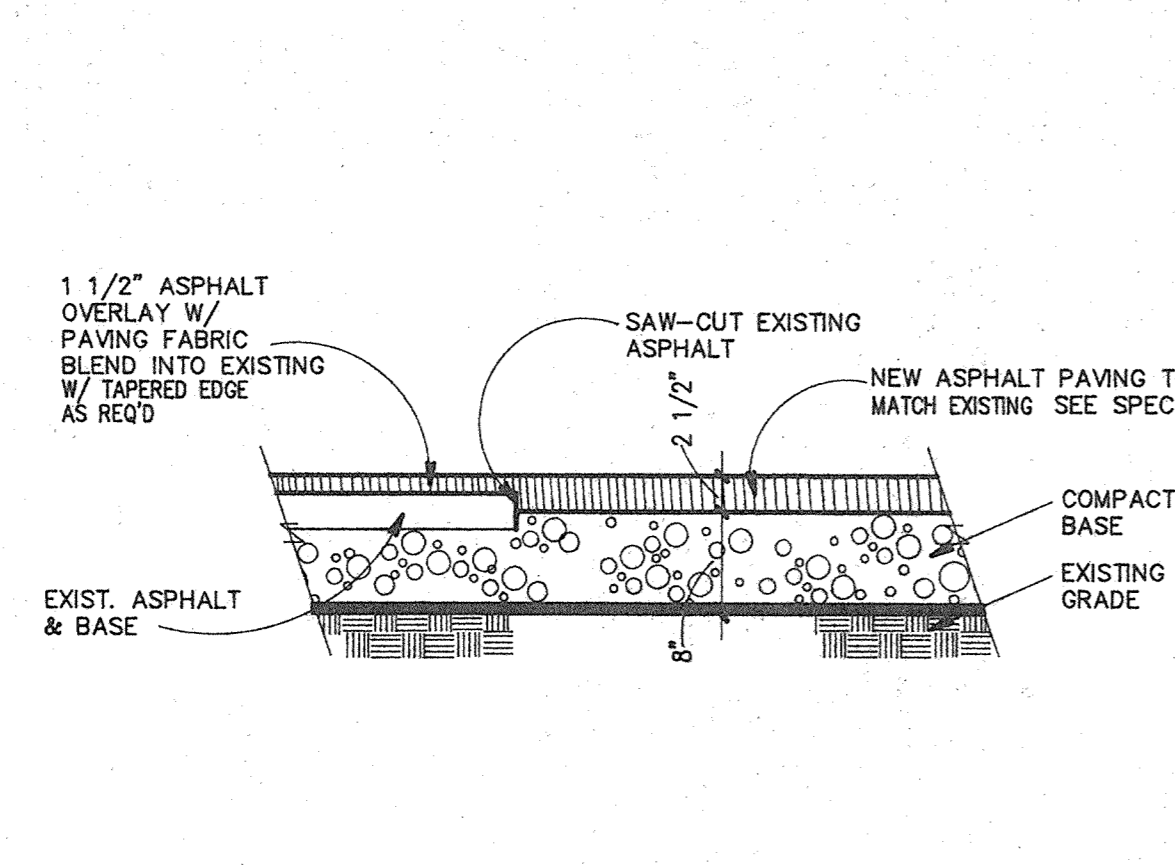
2 CONCRETE WALK DETAIL  
SCALE: 3/4"=1'-0"



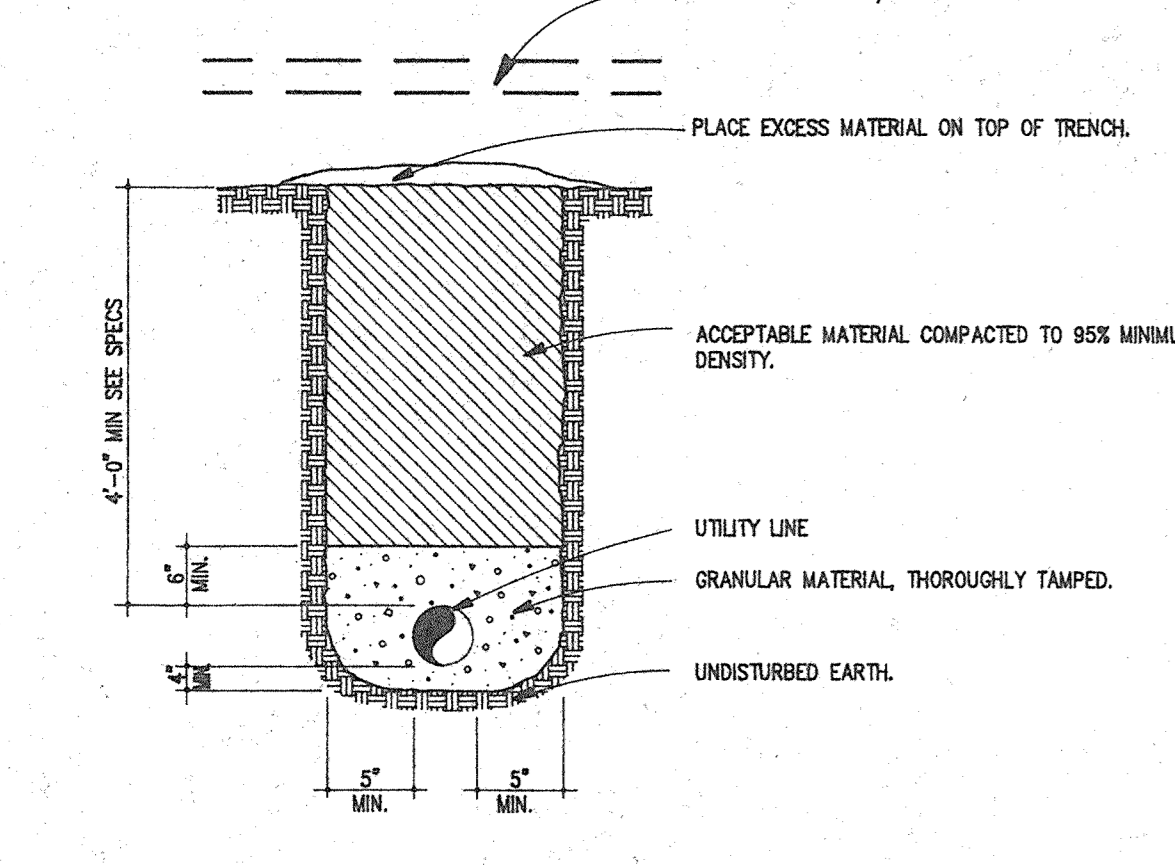
3 CONCRETE CURB DETAIL  
SCALE: 3/4"=1'-0"



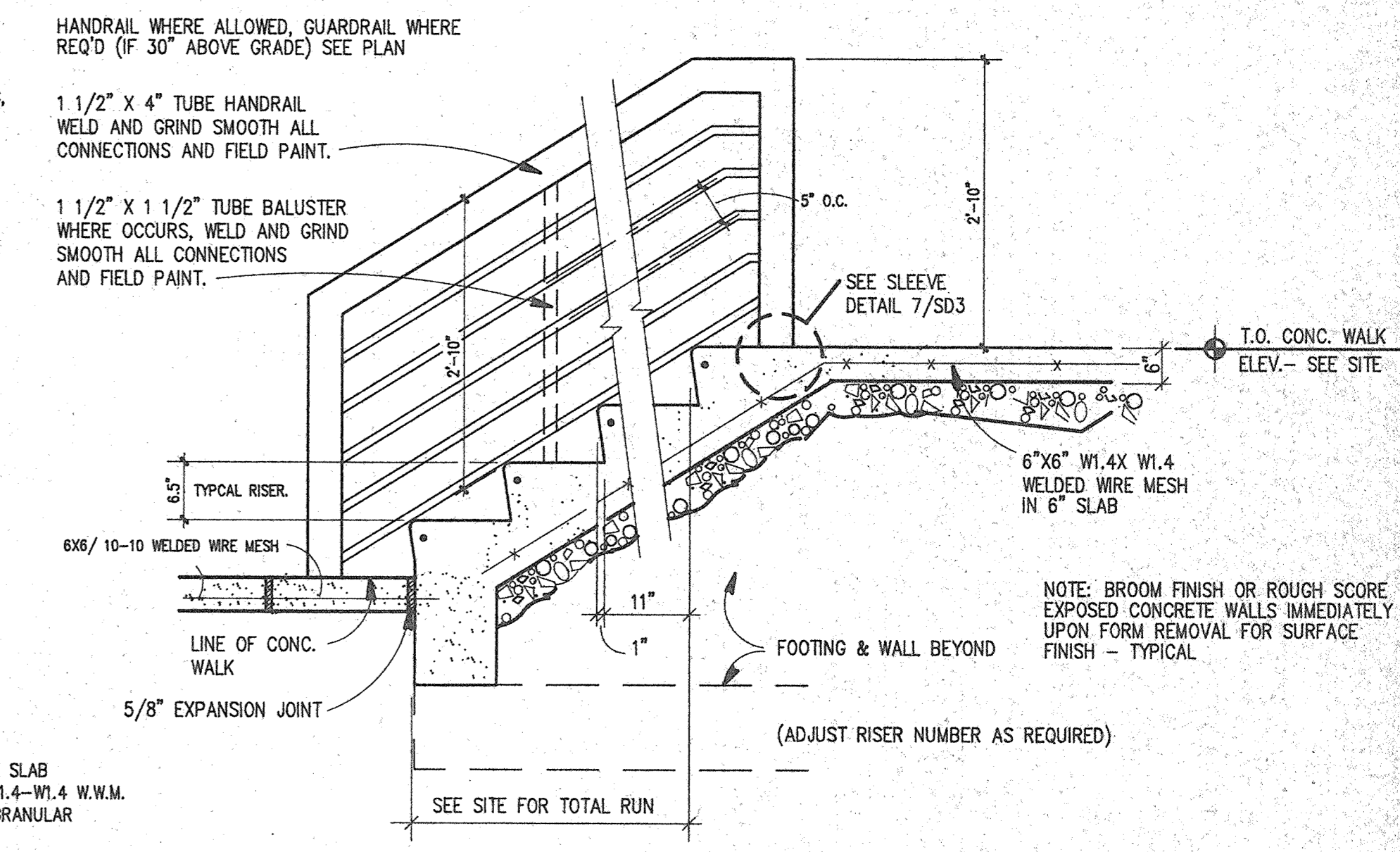
4 CONCRETE CURB DETAIL  
SCALE: 3/4"=1'-0"



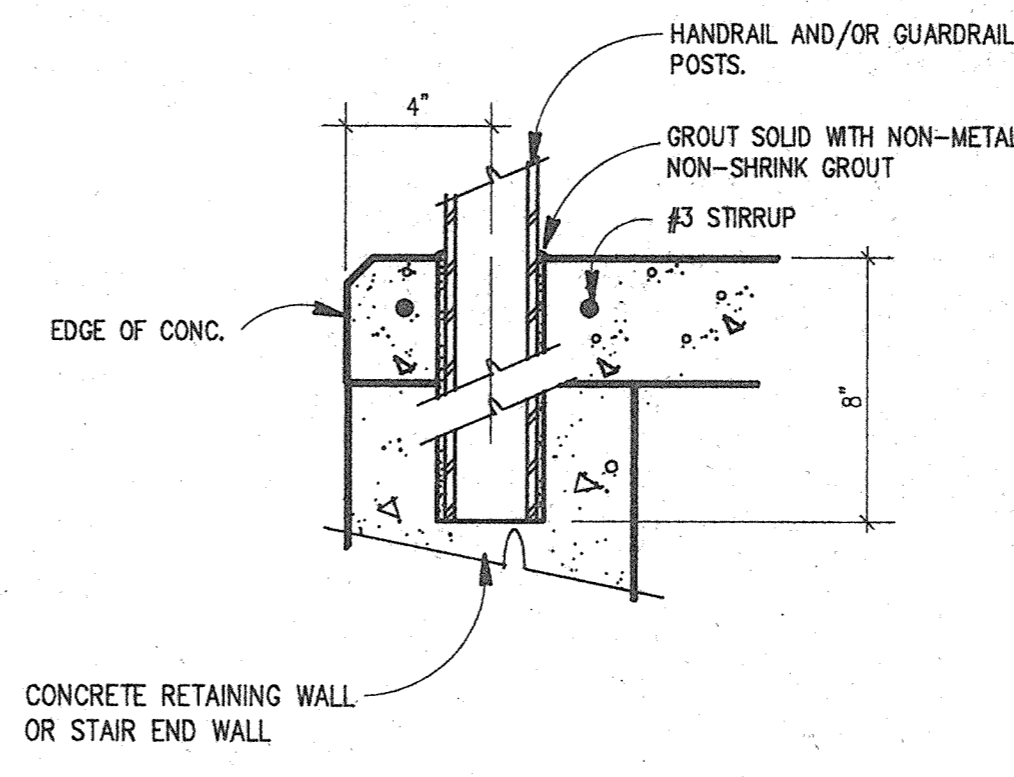
5 PAVING EDGE DETAIL  
SCALE: 1 1/2"=1'-0"



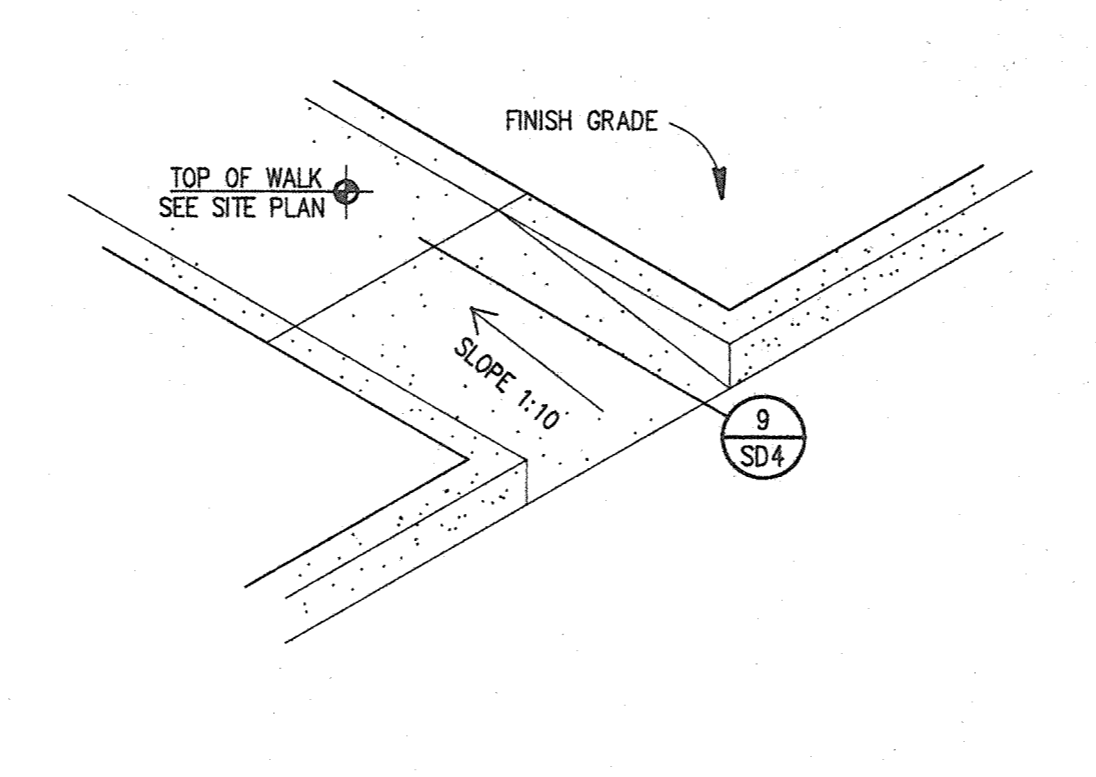
6 BEDDING & BACKFILL DETAIL  
SCALE: 1/2"=1'-0"



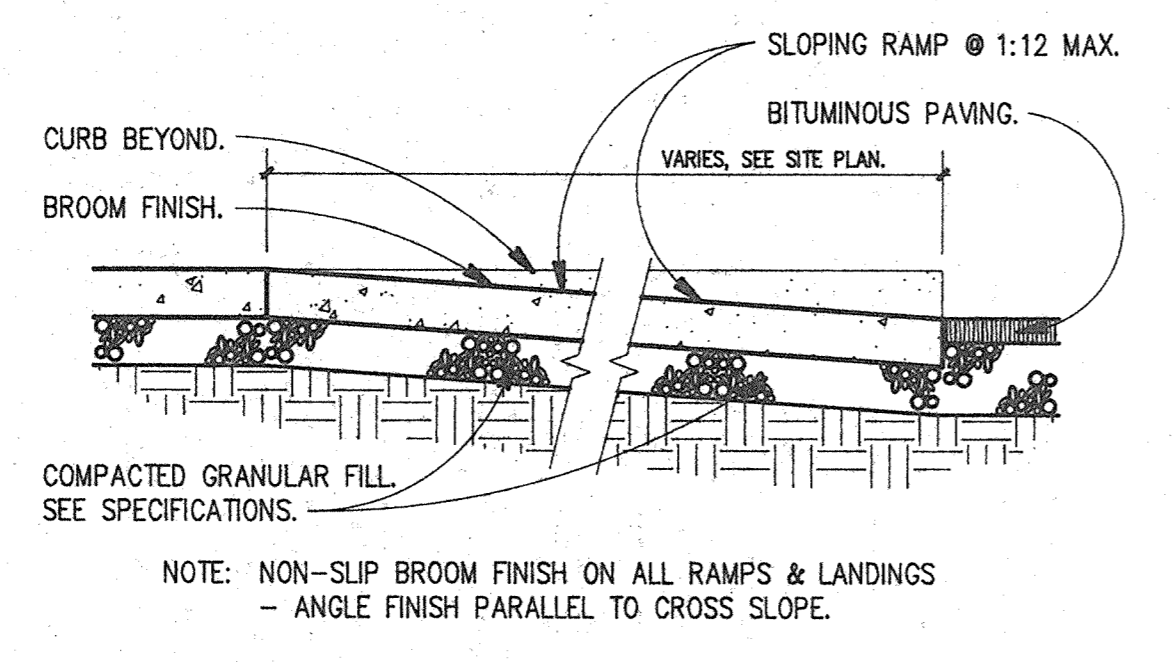
6 STAIR SECTION  
SCALE: 3/4"=1'-0"



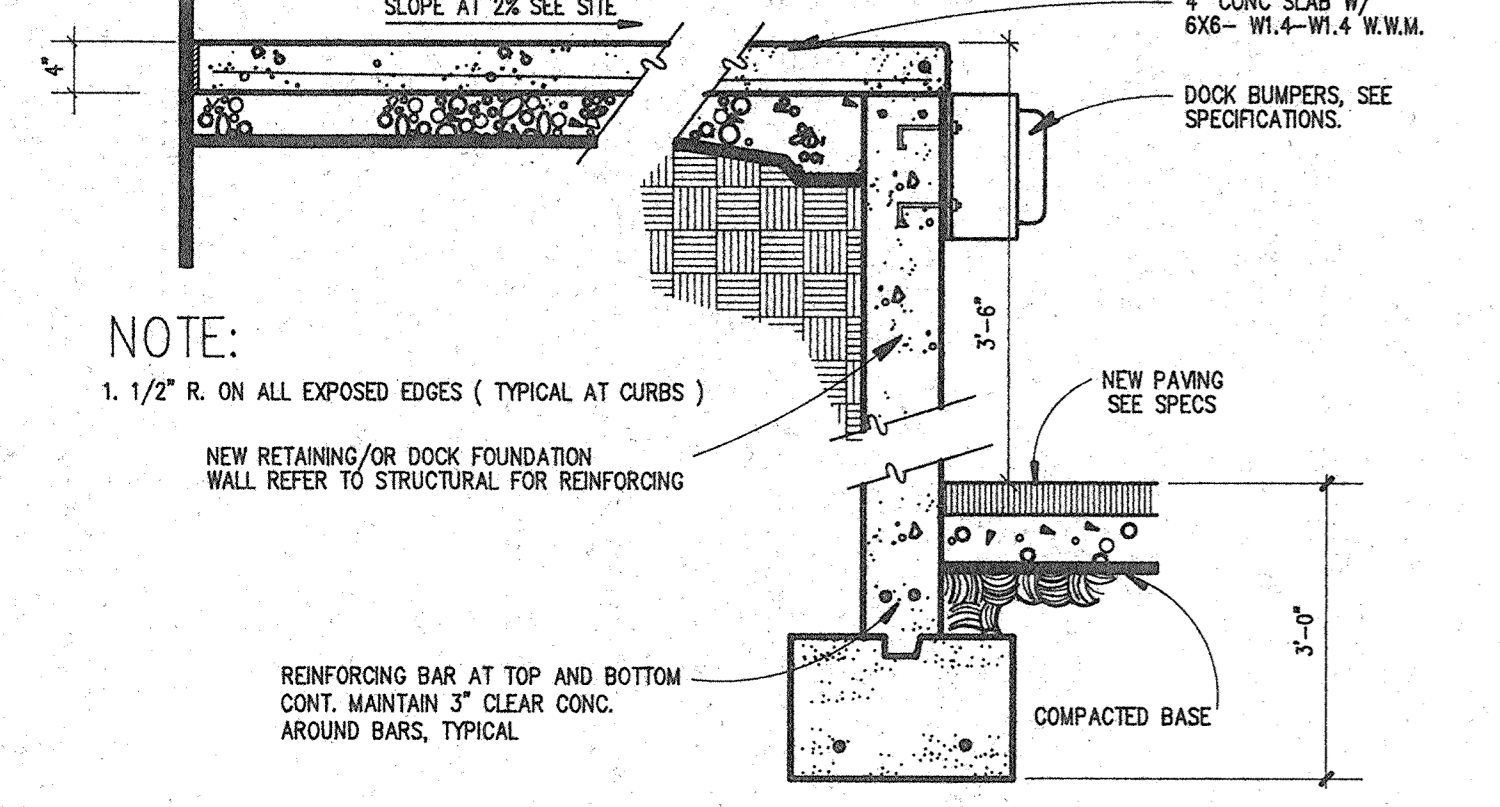
7 PIPE SLEEVE DETAIL  
NO SCALE



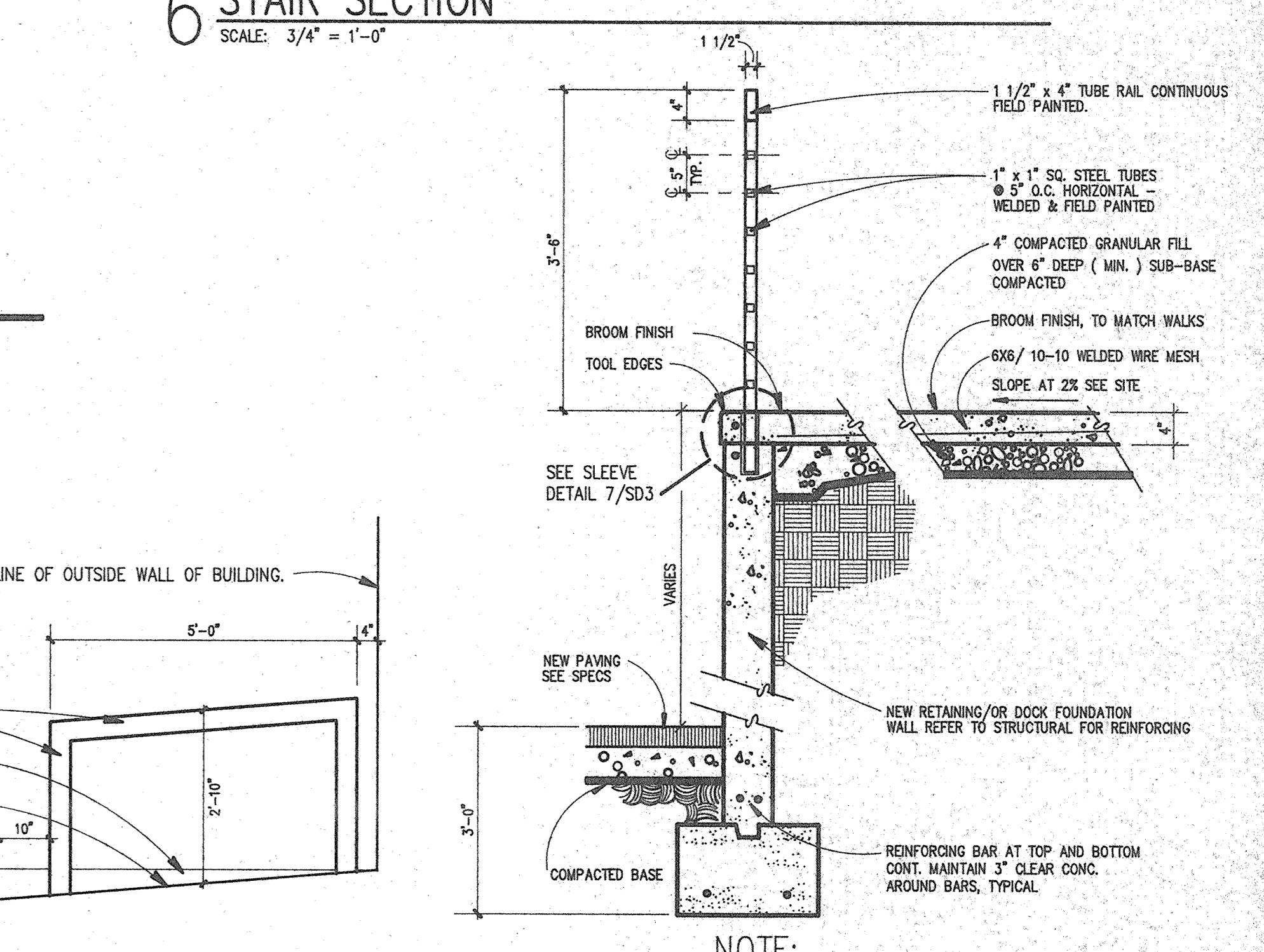
8 HANDICAPPED RAMP @ WALK  
NO SCALE



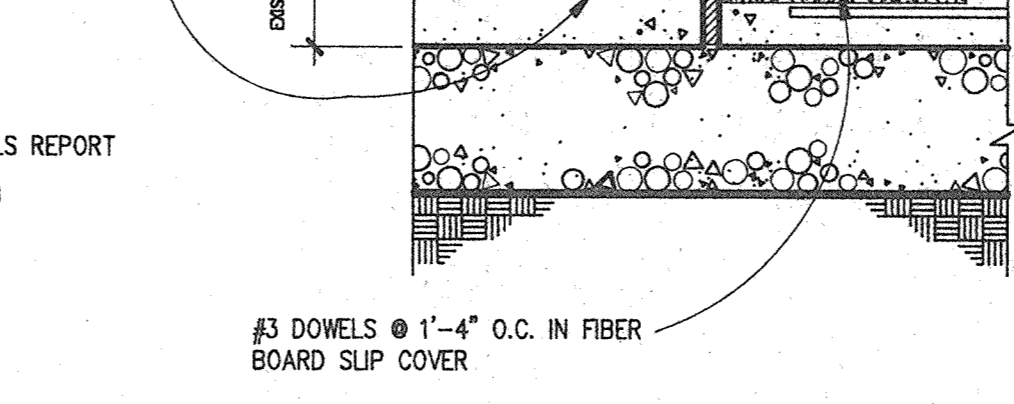
9 CONCRETE WALK DETAIL  
SCALE: 3/4"=1'-0"



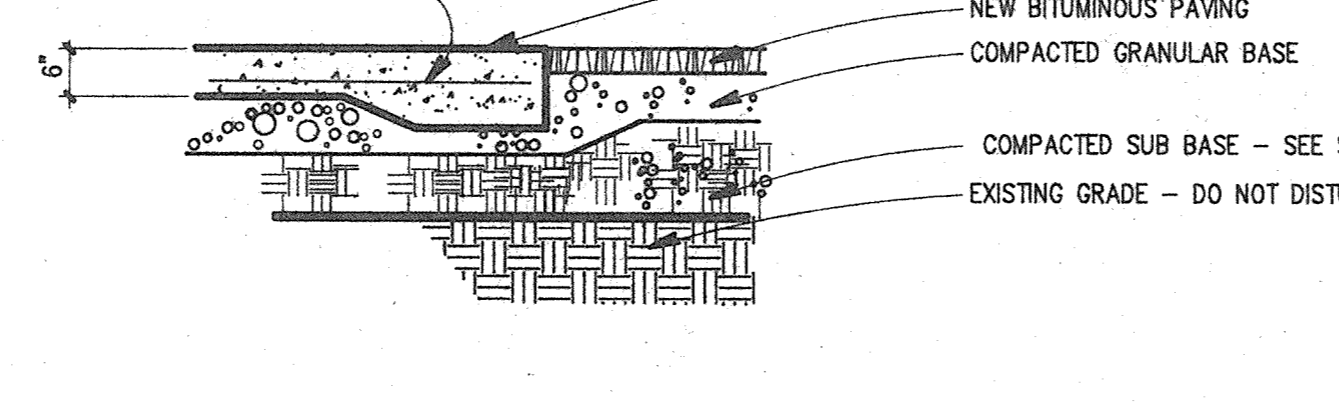
10 CONCRETE WALL/SLAB DETAIL  
SCALE: 3/4"=1'-0"



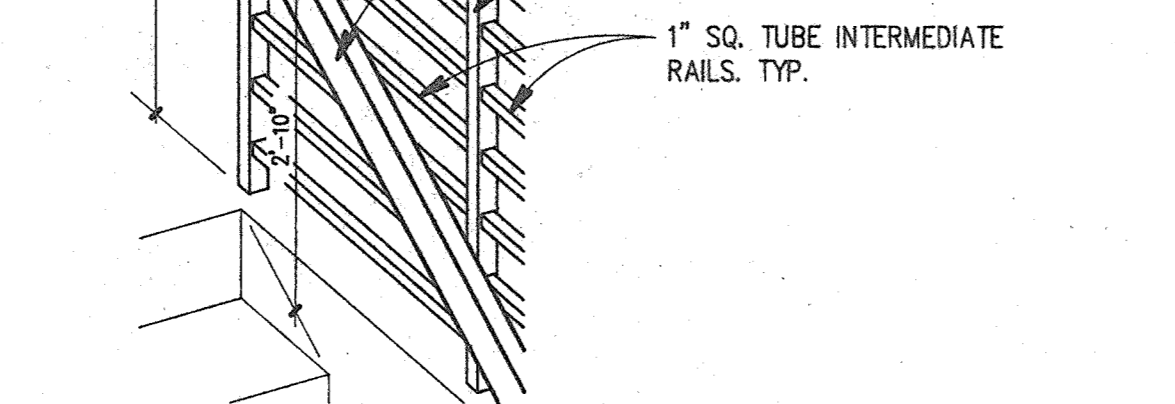
11 CONCRETE WALL/SLAB DETAIL  
SCALE: 3/4"=1'-0"



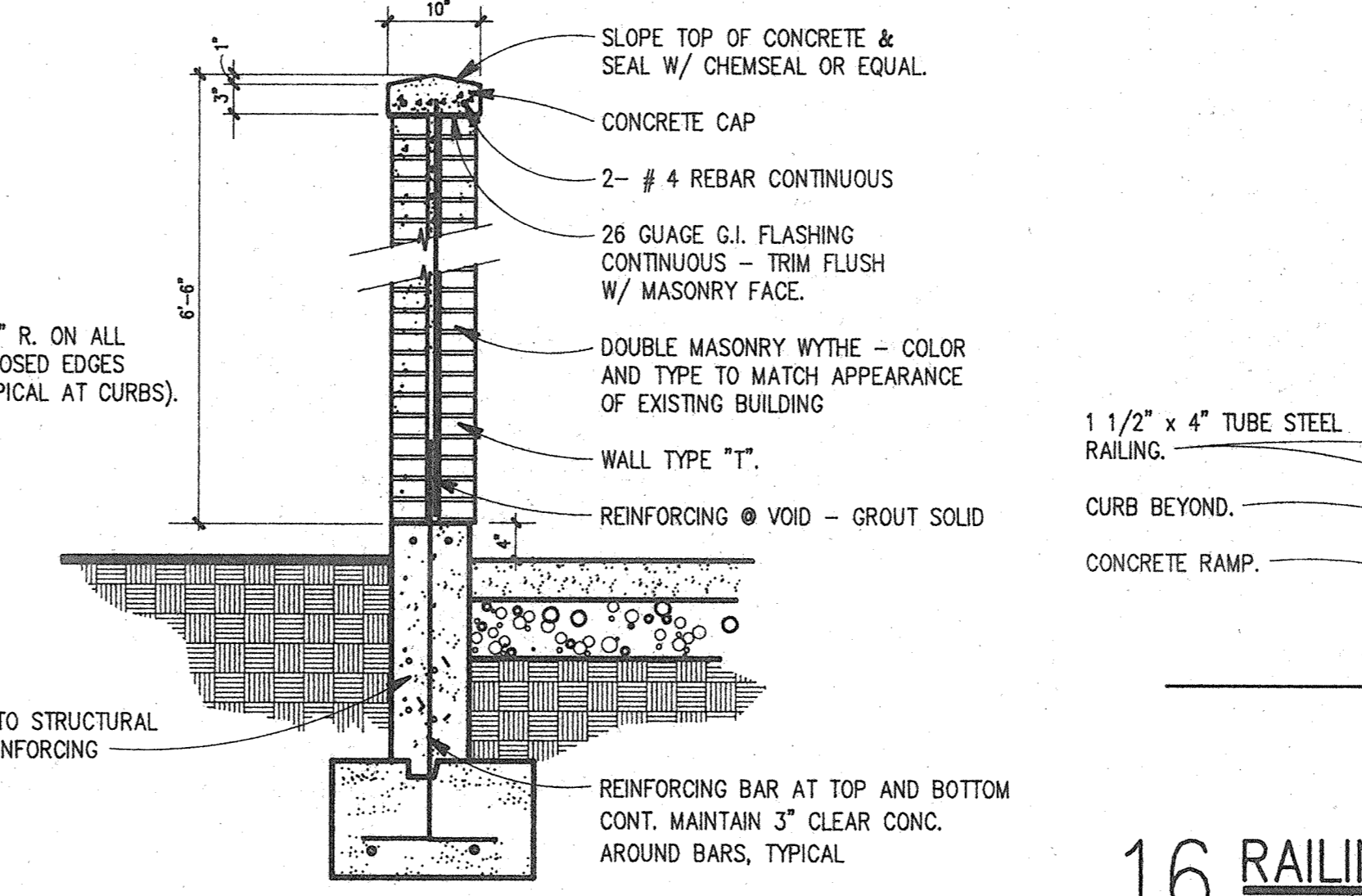
12 SLAB EDGE  
NO SCALE



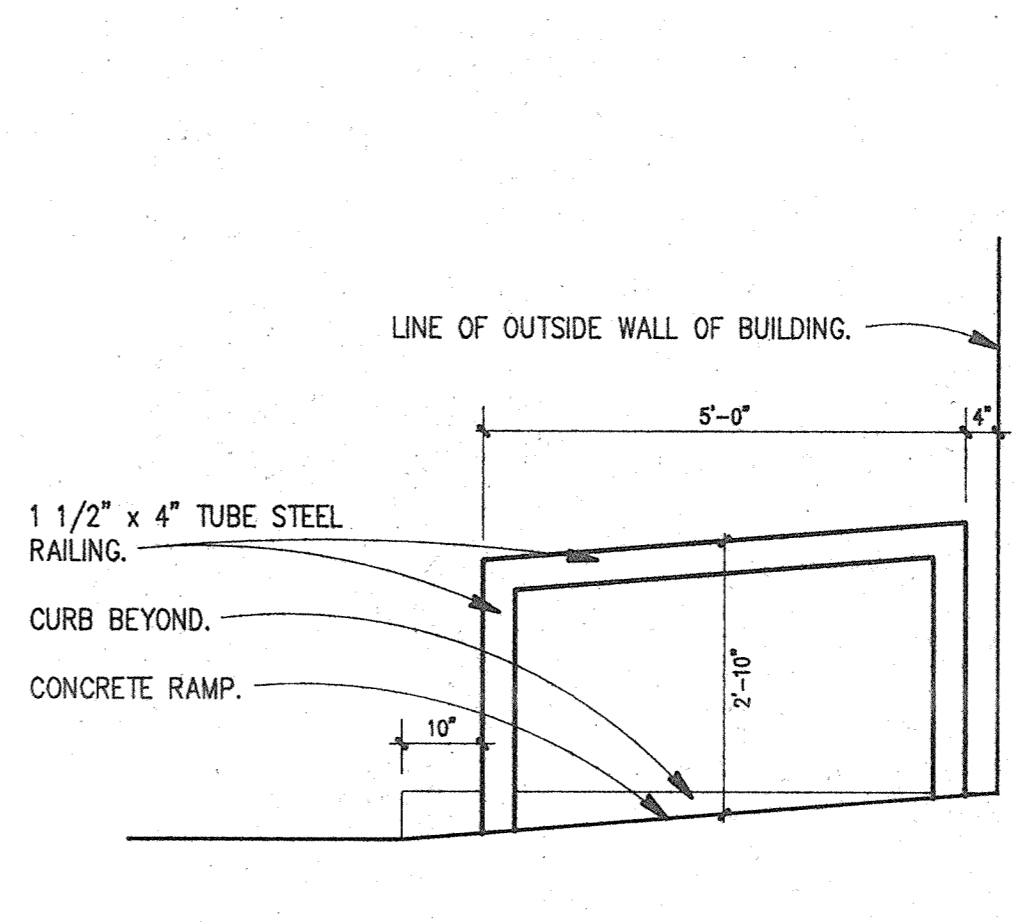
13 SLAB EDGE  
NO SCALE



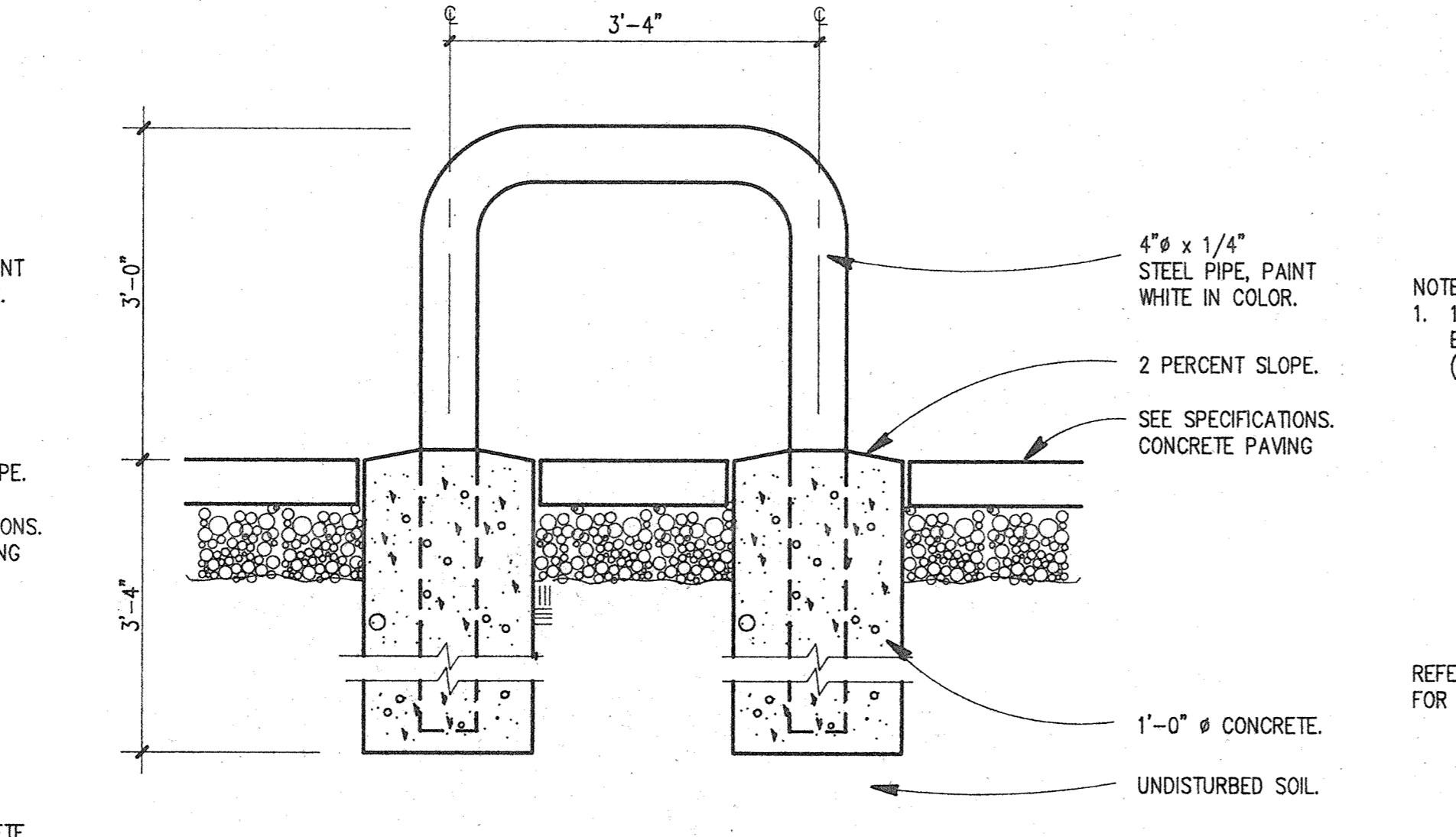
14 RAILING DETAIL  
NO SCALE



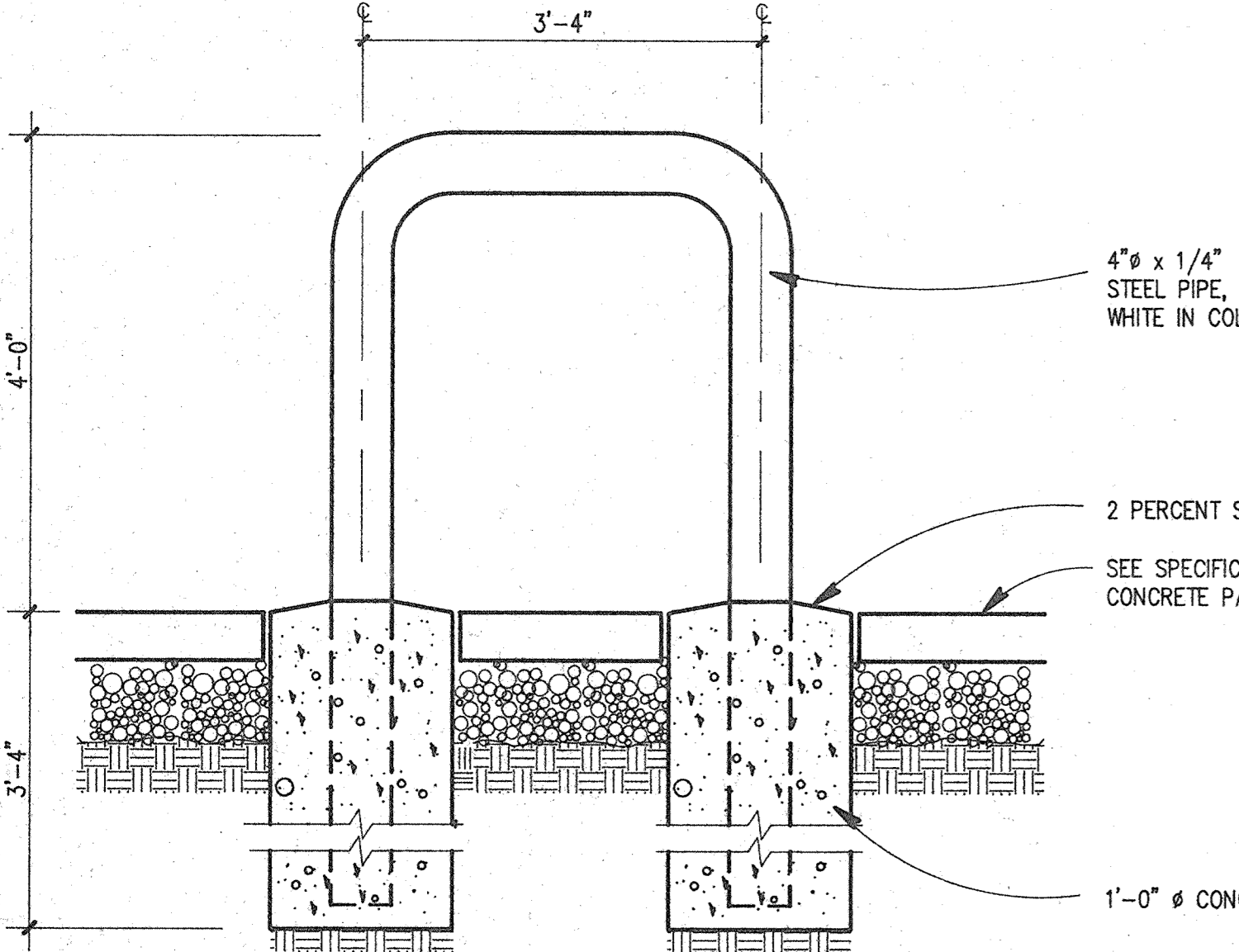
17 SCREEN WALL SECTION  
SCALE: 3/4"=1'-0"



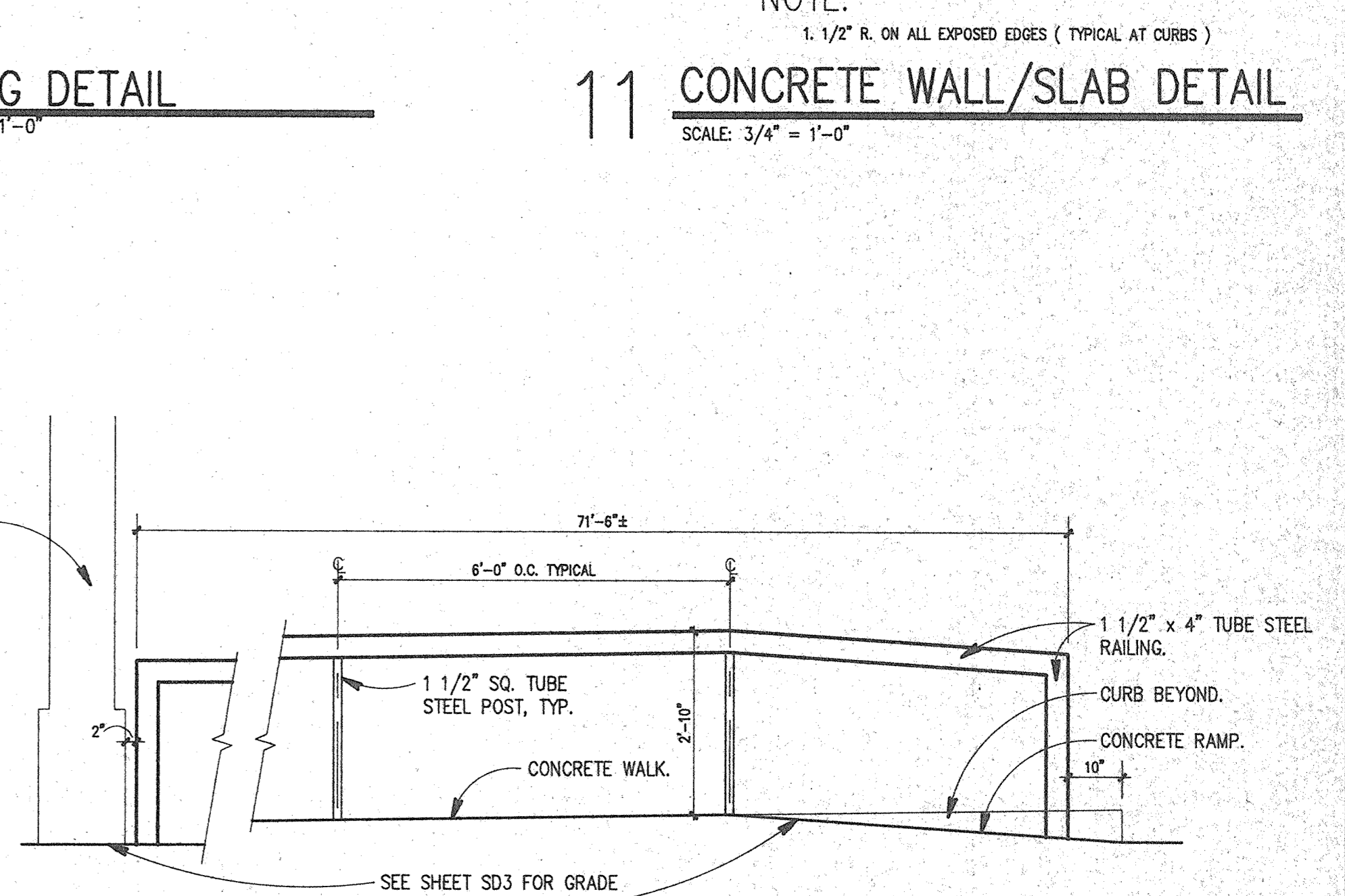
16 RAILING DETAIL  
SCALE: 1/2"=1'-0"



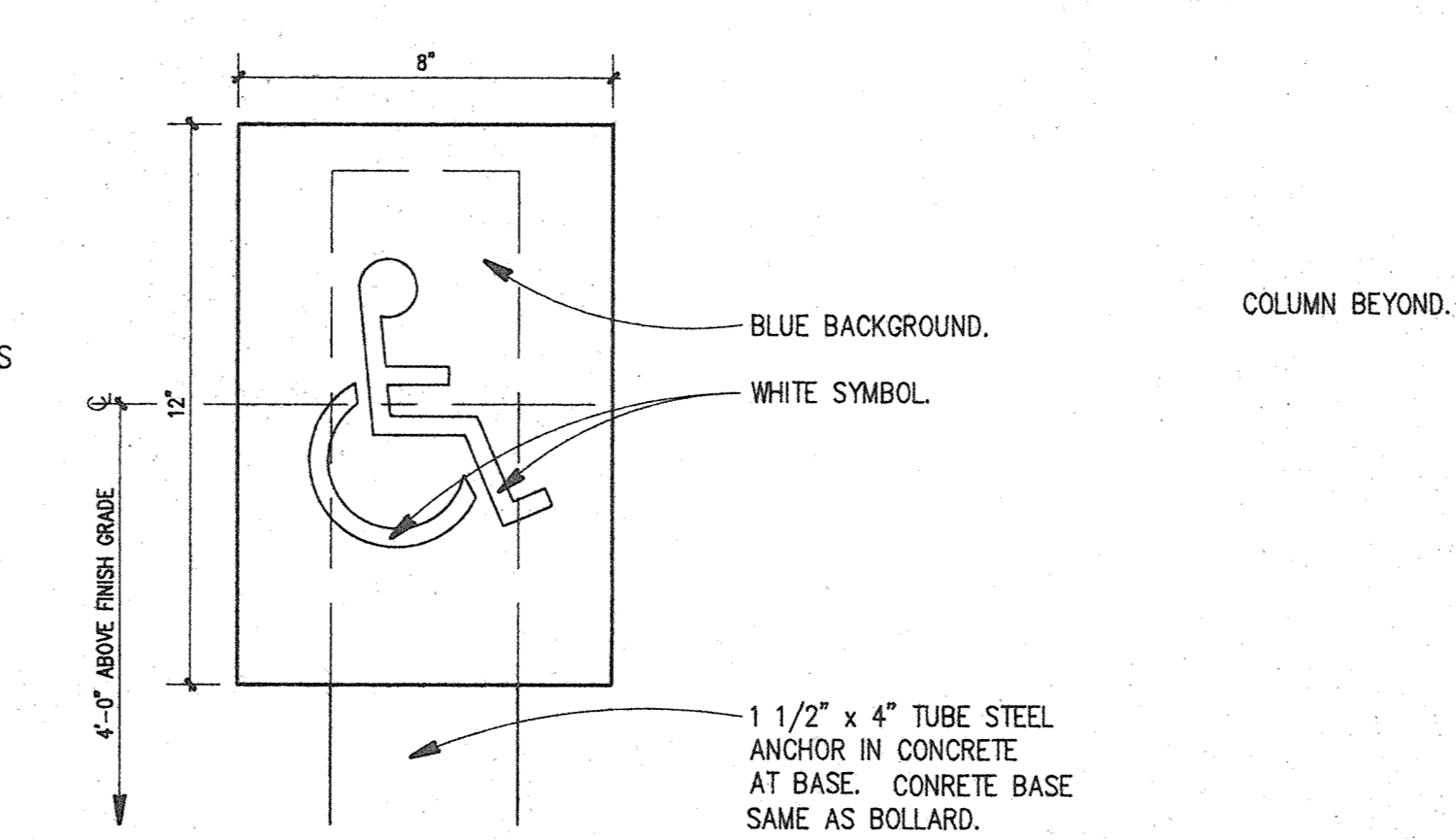
18 BOLLARD DETAIL  
SCALE: 1"=1'-0"



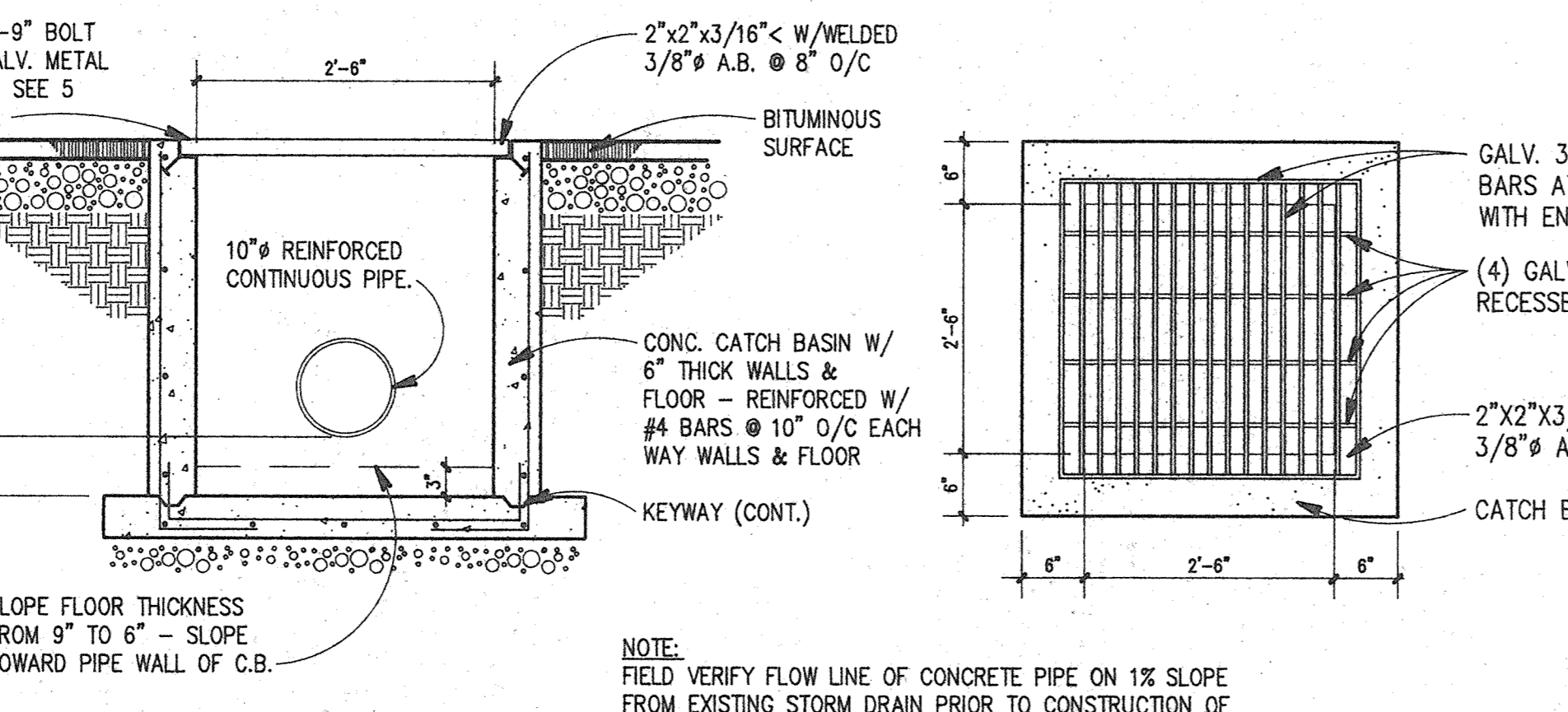
15 GUARDRAIL ELEVATION  
SCALE: 3/4"=1'-0"



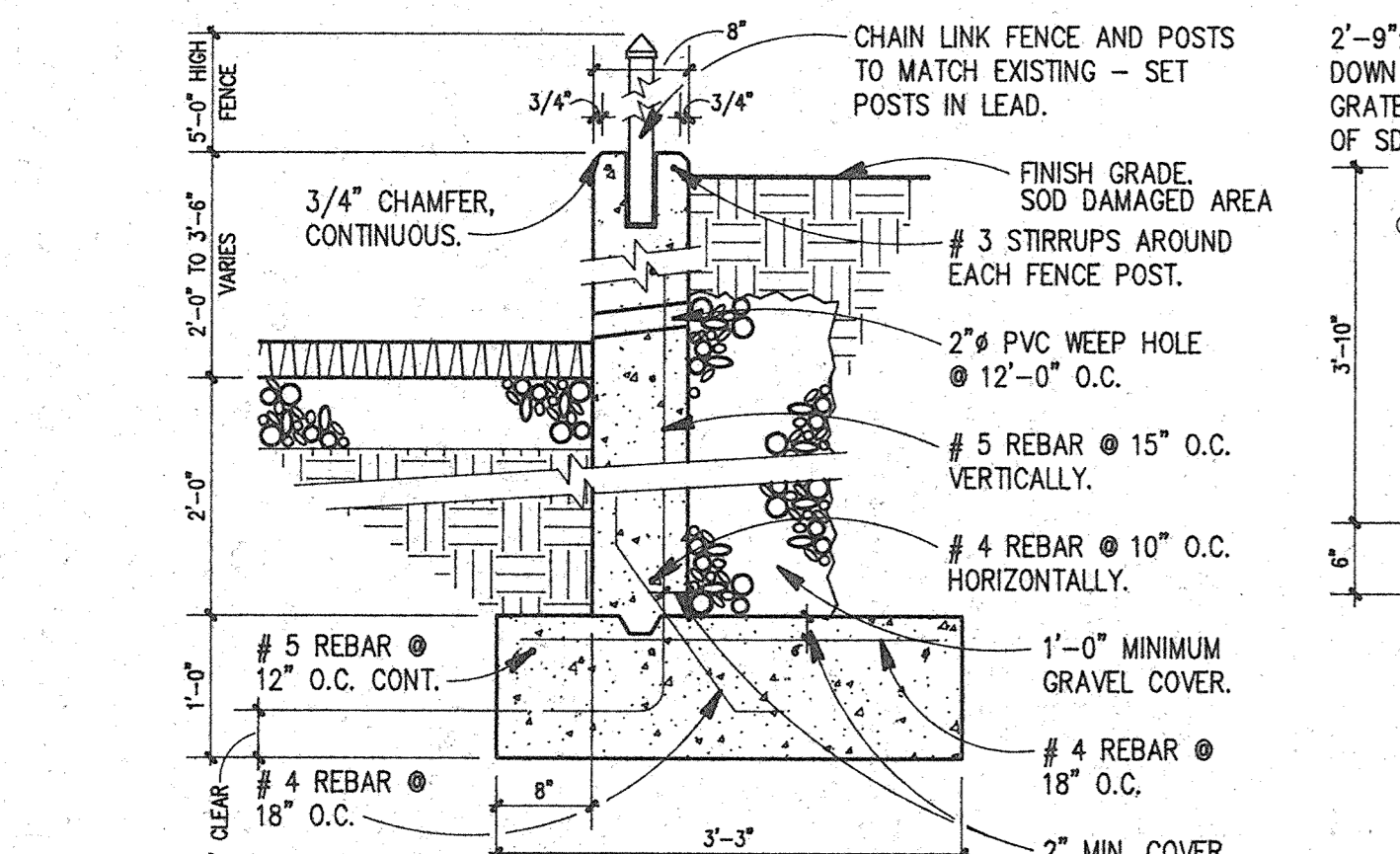
20 RAILING DETAIL  
SCALE: 1/2"=1'-0"



21 HANDICAPPED LOGO  
SCALE: 3"=1'-0"



22 CATCH BASIN DETAIL  
SCALE: 3/4"=1'-0"



23 FENCE/RETAINING WALL  
SCALE: 3/4"=1'-0"

# GENERAL STRUCTURAL NOTES

## I. Design Criteria

- A. Governing Building Code: 1991 Uniform Building Code (UBC)
- B. Gravity Live Loading:
1. Roof: 30 psf Snow Load
  2. Floor: 80 psf Live Load plus 20 psf Partition Load
- C. Earthquake Forces:  $V_e = Z \cdot I \cdot C \cdot W / R$
1. Z, Seismic Zone: 0.30
  2. Importance Factor: 1.25
  3. Coefficient: 2.75
  4. Ry Building Type: 8 (Bearing Wall System - Masonry Shear Walls)
  5. W = Weight of Structure
- D. Wind:
1. Velocity: 70 miles per hour
  2. Exposure Type: C
  3. Importance Factor: 1.15
- E. Foundation:
1. Soil Bearing Pressure: 1,500 psf, on Existing Undisturbed Soils or Compacted Fill.
  2. Lateral Soil Pressure Fluid Equivalent Density:
    - a. Active: 35 pcf (retaining walls)
    - b. At Rest: 60 pcf (rigid foundation walls)
    - c. Passive: 300 pcf

## II. Earthwork

- A. The contractor shall employ a soils engineer acceptable to the owner. The soils engineer shall observe the site grading and foundation installation and modify the earthwork requirements if unsaturated subsurface conditions are encountered. The soils engineer shall review all excavations prior to the placement of concrete foundations.
- B. Clearing: Remove all existing structures and associated foundations and slabs, as necessary for project completion. The entire building area shall be stripped of all vegetation and debris. The amount of stripping will be determined in the field by the geotechnical engineer at the time of construction.
- C. Proof roll the entire building pad area with normal compaction equipment to check for the presence of any unsuitable fills, soft spots or other undesirable materials or conditions. Remove any loose or unstable materials as directed by the soils engineer.
- D. Compacted Structural Fill: All fill material shall be a well-graded granular material with a maximum size less than 4 inches and with not more than 10 percent larger than 2.5 inches. Structural fill shall be compacted to at least 95 percent relative compaction as determined by ASTM Designation D1557-73. All fill shall be tested. Compacted structural fill shall be placed in lifts not exceeding 8 inches in uncompacted thickness.
- E. Floor slabs shall be underlain by at least four inches of free draining granular material. See architectural drawings for areas where impermeable membranes are to be used.
- F. Consult the project specifications for further earthwork requirements.

## III. Concrete

- A. Materials shall comply with the Standards specified in the latest edition of ACI 318, "Building Code Requirements for Reinforced Concrete".
1. Compressive strengths of concrete at 28 days shall be as follows:
    - a. Footings: 3,000 psi
    - b. Slabs on Grade: 4,000 psi
    - c. Foundation Walls: 4,000 psi
    - d. Light Weight Concrete over Steel Deck: 3,000 psi
    - e. All other Site Cast Concrete: 4,000 psi
  2. Concrete Density:
    - a. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot.
    - b. Lightweight concrete shall not exceed 110 pounds per cubic foot and shall be made of lightweight coarse aggregates and a blend of lightweight and normal weight fines.
  3. Reinforcing steel: Grade 60,  $f_y = 60,000$  psi min, unless noted otherwise.
  4. Admixtures:
    - a. Air-entraining admixtures, comply with ASTM C 260 (when used).
    - b. Calcium chloride shall not be added to the concrete mix.
  5. Only one grade or type of concrete shall be poured on the site at any given time.
  6. Type II cement shall be used (Type I may be used in light weight concrete).
  7. The concrete slump shall not exceed 4 inches.
  8. The water cement ratio shall not exceed 5 for 3,000 psi concrete nor .45 for 4,000 psi concrete.
- B. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.
- C. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Reinforced Concrete".
- | Cast-in-place Concrete:                           | Clear Cover |
|---|-------------|
| a. Cast against and permanently exposed to earth: | 3"          |
| b. Formed concrete exposed to earth or weather:   | 2"          |
| #6 thru #18 bars:                                 | 1.1/2"      |
| #5 and smaller bars:                              | 1.1/2"      |
- D. Construction Joints and Control Joints:
1. Provide a continuous 2' X 4' keyway in all wall footings, unless noted otherwise. See details.
  2. All horizontal and vertical construction joints shall have a continuous 2' X 4' keyway along the joint, unless noted otherwise. See details. In addition, all joints shall be intentionally roughened to a full amplitude of approximately 1/4".
  3. Provide reinforcing dowels to match the member reinforcing at the joint, unless noted otherwise.
  4. Slabs on grade shall have construction or control joints spaced not to exceed 36 times the slab thickness in any direction. Construction joints shall not exceed a distance of 125'-0" o.c. in any direction.
  5. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. Control joints shall be installed by:
    - a. Saw cut a depth of 1/4 the thickness of the slab
  6. Where new concrete structures (footings, foundation walls) are placed against existing concrete structures, all horizontal bars from the new structure shall be epoxy doweled 8 inches into the existing concrete structure.
- E. Detailing: All reinforcing, including WWF, shall be detailed, bolstered & supported to comply with ACI 318, "Manual of Standard Practice for Detailing Reinforcing Concrete Structures", and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
1. Lap splice lengths shall be as follows:
    - a. 40 bar dia. for all bars.
    - b. Do not splice vertical bars in retaining walls, unless specifically shown.
  2. All embedments and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
  3. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars and WWF prior to placing concrete. WWF shall be continuously supported at 36" o.c. minimum.
  4. Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Unless noted otherwise, corner bar lap lengths shall conform with reinforcing bar lap splice lengths as noted above.
  5. All vertical reinforcing shall be dowelled to footings, or to the structure below. Dowels shall be the same size and at the same spacing as the vertical reinforcing scheduled (or detailed) for the element above. Lap splice lengths shall comply as noted above or as shown in the drawings. Dowels extending into footings shall terminate with a 90° standard ACI hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#8 bars and smaller) with hooks need not extend more than 20" into footings.
  6. Horizontal wall reinforcing shall terminate at ends of walls and openings into the far end of the jamb column with a 90 degree hook plus a 6 bar diameter extension, unless shown otherwise. Lap horizontal bar splices as noted above or as shown in the drawings. Horizontal wall reinforcing shall be continuous through construction and control joints. Splices in horizontal reinforcement shall be staggered, so the splice laps will not overlap. Splices in two curtains where used shall not occur in the same location, splice laps shall not overlap.
  7. Place 2-#5 bars around all openings 8" or larger in any direction, and extend the reinforcing bars a minimum of 24" beyond the corner of the openings, unless noted otherwise. Where 24" is not available, extend bars as far beyond the opening as possible and terminate them with a 90° standard ACI hook.
  8. Provide 2-#5 X 4'-0" diagonal bars at the corners of all openings. Diagonal bars shall be centered on the corner of the opening. All recesses in concrete walls that interrupt reinforcing steel shall be reinforced the same as an opening.
  9. Contractor shall coordinate placement of all openings, curbs, doors, sleeves, conduits, bolts, insans and other embedded items prior to concrete placement.

## F. Minimum Reinforcing: Wall reinforcing shall be as follows, unless noted otherwise:

WALL THICKNESS	HORIZONTAL REINF.	VERTICAL REINF.
8"	#4 @ 12" O.C.	#4 @ 18" O.C.
10"	#4 @ 12" O.C.	#4 @ 12" O.C.
12"	#5 @ 12" O.C. Each Face	#4 @ 18" O.C. Each Face
Others	0.25% of Wall Area	0.15% of Wall Area

Place steel in the center of the wall (except in walls thicker than 10" and where shown otherwise). Walls thicker than 10" shall have two curtains of reinforcing (placed near each face of the wall), unless otherwise shown on the structural drawings. Spacing shall not exceed three times the wall thickness nor 18". In addition to the above reinforcing, 2-#5 X continuous horizontal bars shall be placed at the bottom of the wall near the footing and at each floor level, at the roof level and at the top of wall.

G. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

H. Unless otherwise noted, all slabs on grade shall be 4" thick (use 5" at the northeast addition).

## IV. Masonry

- A. Materials, unless noted otherwise:
1. Concrete Masonry Units: Lightweight Grade NI (minimum unit strength of 1900 psi) or better, (fm = 1500 psi)
  2. Solid Clay Units: Grade SW (minimum unit strength of 3000 psi average or better, fm = 1800 psi)
  3. Mortar: Use Type "S" according to Section 2403(c) of the Uniform Building Code, and tested according to UBC Standards, Nos. 24-20 and 24-22. Admixtures shall not be added to the mortar mix. (1500 psi minimum compressive strength for field specimens)
  4. Rebar: Deformed Bar Anchors (DBA): All DBAs shall comply with ASTM A496.
  5. Reinforcing: Grade 60 reinforcing steel shall comply with ASTM A615. Wire joint reinforcing shall comply with UBC Section 2403(d).
  6. Deformed Bar Anchors (DBA): All DBAs shall comply with ASTM A496.
  7. Anchor Bolts (AB): ASTM A307 with ASTM A563 heavy hex nuts and hardened washers. Grade A, unless noted otherwise.
  8. Headed Stud Anchors (HSA): Manufacture all HSAs in conformance with ASTM A-108 with dimensions complying with AISC specifications.

## B. Construction Requirements:

1. Mortar Joints: joints shall be "concave", "V-joint" or "weathered raked" for structural members unless noted otherwise on architectural drawings.
2. Masonry walls, beams and columns shall be constructed with running bond, unless noted otherwise.
3. Grouting Requirements: Comply with UBC Section 2404. Grout shall be mechanically consolidated and mechanically reconsolidated according to UBC section 2404(f).
4. Reinforcing Bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for DBAs or HSAs.
5. Grout all beam and post pockets solid after installation of beams and posts.
6. Masonry Veneer:
  - a. To reinforced masonry walls, Veneer shall be attached with tri-rod ladder type reinforcement spaced at a maximum of 16" o.c. vertically consisting of 3-#5 gauge, galvanized, corrugated, wires. Veneer may also be attached with mesh wall ties formed of 16 gauge galvanized steel wire 1/2" X 1/2" mesh, 3 inches wide by 8 inches long and spaced at a maximum of 16" o.c. horizontally and vertically. Mesh shall extend to a No. 9 gauge horizontal joint reinforcing wire in the veneer which shall be continuous and shall be placed at 16" o.c. maximum at the center of the veneer. Spot bedding at the mesh wall ties shall be of cement mortar entirely surrounding the ties.
  - b. Other methods of attachment may be used after written acceptance by the architect and structural engineer.

## C. Detailing Requirements:

1. Standards: Reinforcing detailing shall comply with American Concrete Institute (ACI) Standard 315, "Manual of Standard Practice for Detailing Reinforcing Concrete Structures".
2. Reinforcement Protection (cover):
  - a. Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.
  - b. Other reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 3/4". When masonry is exposed to weather or soil, minimum coverage shall be 2".
3. Vertical steel reinforcement shall be placed and secured against displacement prior to grouting by wire positioners or other suitable devices at intervals not exceeding 200 bar diameters or 10 feet maximum, or at bar spacing locations.
4. Lap Splice Lengths: Lap all masonry reinforcing a minimum of 48 bar diameters with a minimum lap of 24". Joint reinforcement shall lap a minimum of 6".
5. Corner Bars: Horizontal reinforcement shall be continuous at all corners and at intersecting walls. Provide corner bars with the required lap splice length.
6. Dowels: All vertical reinforcing shall be dowelled to the foundation wall, footing (structure below) and to the structure above with the same size dowel, spacing (and in the same core) as the vertical wall reinforcing unless noted otherwise.
7. Wall Openings: Provide 2-#5 bars, in a grouted space, on all sides and adjacent to every opening which exceeds 24 inches, unless noted otherwise. Bars shall extend a minimum of 24 inches beyond the corners of the opening. Where 24" extension is not possible, extend bars as far beyond the opening as possible and terminate them with a 90° standard ACI hook.
8. Horizontal wall reinforcing shall be continuous through joining concrete walls, masonry walls, columns, and pilasters. Provide a key between the wall and the column or pilaster.
9. Horizontal wall reinforcing shall be placed inside the column vertical reinforcing.
10. All masonry column ties shall terminate with 135° hooks plus a 6 bar diameter extension (4" minimum).
11. Steel Linels: Provide steel angle linels at all openings through the masonry walls where no lintel is indicated. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the Steel Angle Linel Schedule for size.
12. The exposed face of all embed post plates shall be set flush with the face of masonry wall or column.
13. Where new concrete structures (footings, foundation walls) are placed against existing concrete structures, all horizontal bars from the new structure shall be epoxy doweled 8 inches into the existing concrete structure.

## D. Minimum Reinforcing:

All masonry walls shall be reinforced as follows, unless shown otherwise on the drawings and in the MASONRY WALL SCHEDULE. Reinforcing shall be placed in grouted cells.

6" C.M.U. walls	#5 Vertical at 32" o.c.
8" C.M.U. walls	#5 Vertical at 32" o.c. #4 Horizontal at 48" o.c.
10" C.M.U. walls	#5 Vertical at 32" o.c. 2-#4 Horizontal at 48" o.c.

In addition to the above reinforcing, ladder-type wire joint reinforcing (Dur-o-wall) consisting of 2-#9 galvanized wires shall be used horizontally at 18" o.c. in all masonry walls. Joint reinforcing shall be the standard width for the wall thickness it is reinforcing.

## V. Structural Steel

- A. Material:
1. Shapes and Plates: ASTM A-36 except as noted otherwise.
  2. Tubes: ASTM A500, Grade B (fy = 45,000 psi)
  3. Deformed Bar Anchors (DBA): All DBAs shall comply with ASTM A496.
  4. Headed Stud Anchors (HSA): Manufacture all HSAs in conformance with ASTM A-108 with dimensions complying with AISC requirements.
  5. Anchor Bolts (AB): ASTM A307 with ASTM A563 heavy hex nuts and hardened washers, Grade A, unless noted otherwise.
- B. Fabrication and construction shall comply with the latest edition of the following Codes and Standards:
1. American Institute of Steel Construction (AISC), "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," with "Commentary".
  2. AISC "Code of Standard Practice" excluding the following: Section 1.5.1, Section 3.3 (first sentence), Section 4.2, Section 4.2.1, Section 4.2.2, Section 7.5.4, and Section 7.11.5.
  3. AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts".
  4. Steel Joint Institute (SJI), "Standard Specifications and Code of Standard Practice".
  5. American Welding Society (AWS), "Structural Welding Code" (specific items do not apply when they conflict with the AISC requirements).
  6. American Iron and Steel Institute (AISI), "Specification for the Design of Cold-Formed Steel Structural Members".

G. Structural shapes and plates shall be fabricated from newly rolled (milled) one piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections to structural steel shall comply with the structural drawings, unless written approval is given by the structural engineer.

## D. Welding:

1. Certification of Welders: All shop and field welding shall be executed by AWS certified welders. Certification shall be considered current if dated within the past 12 months. Welders will be considered certified if they have been certified by AWS and their work records are current within every six month period thereafter as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the architect prior to beginning work. If uncertified, welders shall be certified at the contractor's expense.
2. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks.
3. Minimum Welds: All intersecting steel shapes which are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/16" less than the thinnest of the connected parts for thicknesses 1/4" and larger. Fillet welds on plates less than 1/4" shall be of the same thickness as the thinnest of the connected part.
4. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
5. Quality Assurance: The owner may test all welds by means of x-ray, ultra-sonic or any other appropriate non-destructive procedure. Deficient welds shall be corrected and tested at no additional cost to the owner. Testing shall comply with UBC Standard No. 27-6.
6. A copy of all weld testing reports shall be provided to the structural engineer.
7. It is recommended the steel erection contractor and steel fabricator contact the approved testing lab of the owner's choice prior to beginning any of the above welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
8. Headed Stud Anchors (HSAs) welding and deformed bar anchor welding shall conform to the manufacturer's specifications. Welding shall be tested to comply with AWS D1.1 Section 7.6 through 7.8 and Appendix K.

## E. Bolted Connections:

1. Use ASTM A325N bolts for all steel to steel connections, unless noted otherwise. Tighten bolts by the turn of the nut, calibrated wrench, or direct tension indicator method. Alternate fastener designs as defined by AISC shall be submitted to the engineer for review and acceptability prior to installation. Provide hardened washers beneath turned element. Bolts shall be tested as required by UBC Section 306.
2. Provide hardened washers beneath the turned element of all bolts or nuts. Provide hardened beveled washers, to compensate for the lack of parallelism, where the outer face of the bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolt axis. Hardened washers or plates installed over oversized holes or slotted holes shall be at least 5/16" thickness and shall conform to ASTM F436. Plates or bars installed at slotted holes shall have a size sufficient to completely cover the slot after installation.
3. Where a steel to steel beam connection is not detailed in the drawings, provide a standard AISC framed connection with the capacity to support one half of the total uniform load capacity of the given shape for the span and for the steel specified.
4. Bolts, nuts and washers shall not be reused.

## F. Steel Linels:

Provide steel angle linels at all openings through the masonry walls where no lintel is indicated. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the STEEL ANGLE LINEL SCHEDULE for size.

## G. Beam Web Stiffener Plates:

Provide full height web stiffener plates to each side of all beams above all bearing points. Stiffener plates shall be the thickness noted below unless noted otherwise and shall be welded on both sides of the stiffener plate with fillet welds (noted below) all around

Beam Web Stiffener thickness	For beams with flange widths between	Weld Size
1/4 inch thick	Greater than 0" and less than 8 1/4"	3/16"
3/8 inch thick	Greater than 8 1/4" and less than 12 1/4"	1/4"
1/2 inch thick	Greater than 12 1/4" and less than 16 1/2"	5/16"
5/8 inch thick	Greater than 16 1/2" and less than 20 3/4"	3/8"

## H. Open Web Steel Joists and Girders:

1. The steel joist supplier shall be responsible for the design of all parallel chord and double pitched top chord steel joists and girders. Joists and girders with slopes greater than 1/2 inch per foot shall be designed to meet or exceed the load capacities, listed in the SJI load tables, of the joist or girder sizes indicated on the framing plan, as if the joists or girders were installed level.
2. Provide special bearing ends to accommodate slopes from sloped joists, sloped girders or sloped bearing conditions.
3. Camber: All joists shall be cambered as specified in the SJI specifications, unless noted otherwise.
4. Field Modifications: Do not modify any joist or girder, including holes through the top and bottom chords, without the written consent and direction from the manufacturer.
5. Shop Drawings and Design Calculations: Shop drawings for all joists and girders used in the project shall be submitted for review. Prior to the fabrication of joists and girders, the joist and girder manufacturer shall prepare complete joist and girder calculations under the direct supervision of a professional engineer licensed in the State of Utah. Calculations shall be submitted for review for joists and girders designated as SPECIAL or SP (as noted on the drawings) and shall bear the seal of a professional engineer licensed in the State of Utah.

## I. Steel Floor Deck (Use at the Floor and Roof of the Northeast Addition):

1. Steel floor deck shall comply with the latest requirements of the Steel Deck Institute, SDI. Submit ICB0 report with load and lateral shear capacities with shop drawings.
2. Steel floor deck shall be 1.1/2" deep X 22 Gauge minimum galvanized (G60), type "B" deck with interlocking side seams with the following properties:
 

22 Gauge	20 Gauge
Minimum S (in <sup>3</sup> /ft) = 0.187	0.233
Minimum I (in <sup>4</sup> /ft) = 0.175	0.216

 Yield stress of the 22 gauge steel deck shall be limited to a maximum of 50 ksi.
3. A 3 1/2" thick (5" overall) lightweight concrete (fc = 3,000 psi @ 28 days unless noted otherwise) slab shall be poured over the steel deck. Reinforce slab with 4" x 6" W1.4W1.4 welded wire fabric minimum, unless noted otherwise. Do not place concrete over the steel deck with the roof.
4. Weld deck to supporting framing members with 3/4" diameter puddle welds at the following spacing (Closer spacings may be used to develop minimum shear requirements):
  - a. 6" o.c. to all supports perpendicular to deck corrugations (7 welds per 36" wide sheet).
  - b. 12" o.c. to all supports parallel to deck corrugations (6" o.c. at masonry/concrete walls).
5. All welded surfaces shall be dry before welding deck or studs to supports.
6. Attach interlocking seams with 3/16" Ø button punch at 18" o.c. or 1 1/2" top seam weld at 36" o.c. between adjacent pieces of deck. Crimp seams before button punching or welding interlocking seams. At the roof, attach interlocking seams with 1 1/2" long top seam welds at 12" o.c. minimum between adjacent pieces of decking. Crimp side seams before welding.
7. Provide a 2" minimum bearing and a 4-inch lap at the splice points of all pieces of deck.

## J. Steel Roof Deck (South and Southwest additions):

1. Steel roof deck shall comply with the latest requirements of the Steel Deck Institute, SDI. Submit ICB0 report with load and lateral shear capacities with shop drawings.
2. Steel roof deck shall be 1.1/2" deep X 22 Gauge minimum galvanized (G60), type "B" wide rib deck with interlocking side seams with the following properties:
 

22 Gauge	20 Gauge
Minimum S (in <sup>3</sup> /ft) = 0.178	0.172
Minimum I (in <sup>4</sup> /ft) = 0.172	0.172

 Minimum load capacity for deck shall be 40 pounds per square foot. Yield stress of the 22 gauge steel deck shall be limited to a maximum of 50 ksi.
3. Minimum allowable deck diaphragm shear values shall be 400 lbf/ft.
4. Weld steel roof deck to supporting framing members with 3/4" diameter puddle welds at the following spacings (Closer spacings may be used to develop minimum shear requirements):
  - a. 6" o.c. to all supports perpendicular to deck corrugations (7 welds per 36" wide sheet).
  - b. 12" o.c. to all supports parallel to deck corrugations (6" o.c. above gypboard shear walls and masonry walls).
5. All welded surfaces shall be dry before welding deck to supports.
6. Attach interlocking seams with 1 1/2" long top seam welds at 12" o.c. minimum between adjacent pieces of decking. Crimp side seams before welding. Closer spacings may be used to develop minimum shear requirements.
7. Provide a 2" minimum bearing and a 4-inch lap at the splice points of all pieces of deck.
8. No loads shall be attached to steel roof deck unless shall be 12" o.c. minimum between adjacent pieces of decking. Crimp side seams before welding. Closer spacings may be used to develop minimum shear requirements.
9. All deck shall be 3-span continuous minimum. In areas where 3-span conditions are not possible, the deck shall meet the above loading criteria for the two span condition. The contractor shall provide heavier gauge deck as required for one or two span conditions to meet equivalent loading of the above deck under a three span condition.

## K. Cold Formed Steel

1. Light Gauge Steel Framing:
  - a. All load bearing stud (and/or) joist framing members along with rafter, bracing, and track shall be of the type, size and gauge as shown on the plans. All 14 and 16 gauge studs and 12, 14, and 16 gauge walls shall be formed from stud meeting the requirements of ASTM A570 except that the steel shall have a 50,000 psi yield stress. All 14 and 16 gauge track and end closure, 16 gauge bracing, and 16 and 20 gauge studs and track shall be formed from steel with a minimum yield of 33,000 psi. All components shall be galvanized.
  - b. Follow all manufacturer's recommendations for the use of these products.
  - c. Unless noted otherwise, all welded connections shall be done using 1/8" AWS E60XX E60XX or 7014 rod with a welding heat of 600-1100 depending on the gauge of material and the fit of the parts. Wire tying of framing components shall not be permitted.
  - d. All interior non-bearing steel stud walls which extend above the ceiling but do not attach to the floor or roof diaphragm (gibbs), shall have diagonal braces (45°). The K/L/r ratio of the brace shall not exceed 200 and shall not be spaced further apart than 10'-0". Connect diagonal braces to the top of the steel stud walls and to the top flange of the steel beams with 1/8" fillet welds all around. Diagonal angle braces may be connected to 8" x 8" x 1/4" steel plate which shall be anchored to the floor or roof deck with 2-3/8" dia. expansion anchors for each plate. Connect angle to plate with a 1/4" fillet weld all around.
2. Prefabricated Systems: Submit complete shop drawings and calculations of all elements for review. Submittals shall bear the stamp of a Professional Engineer registered in the State of Utah.

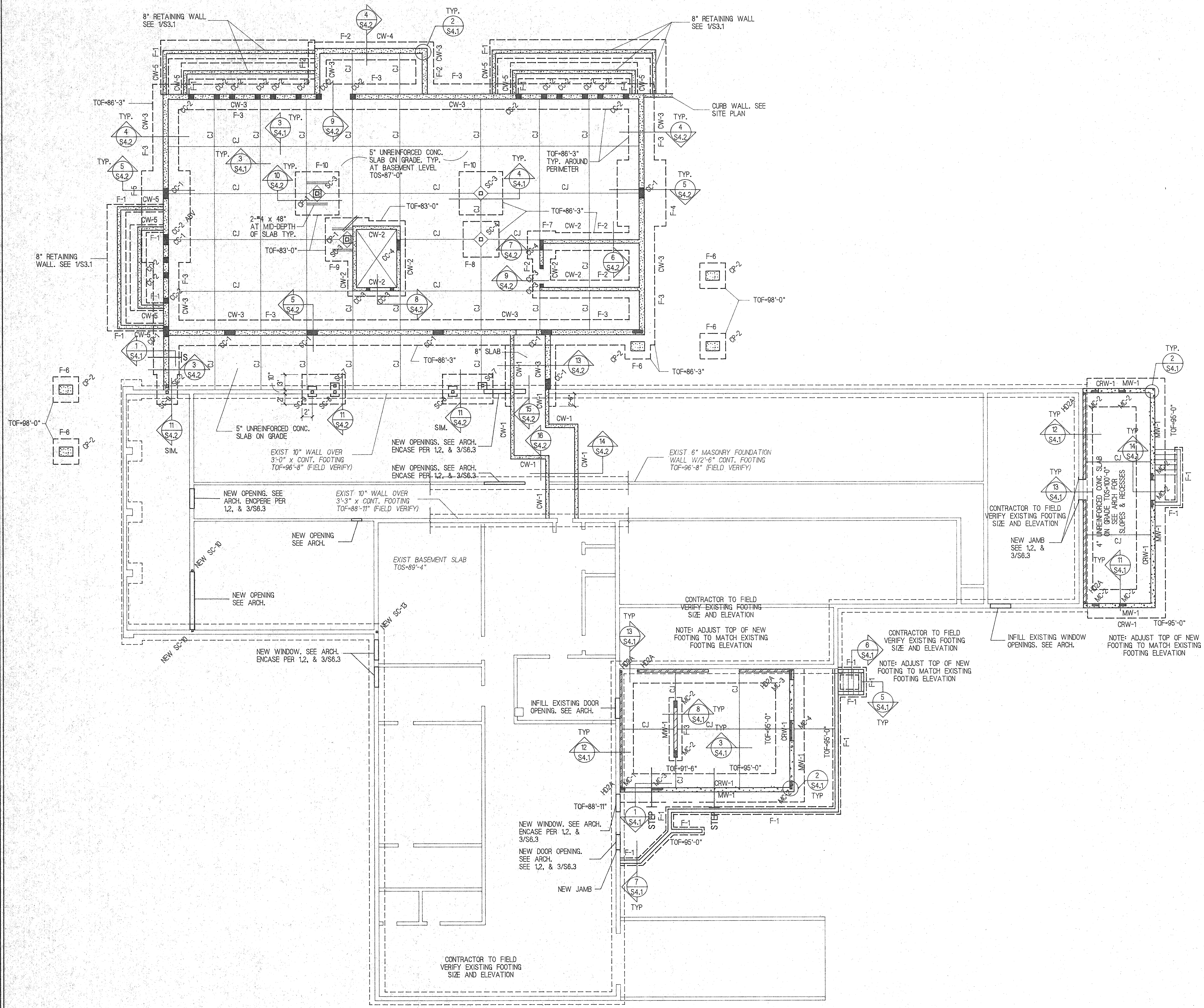
## VI. Special Instruction

- A. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and details on the drawings shall take precedence over General Structural Notes and typical details.
- B. All omissions or conflicts between the various elements of the working drawings (and/or specifications) shall be brought to the attention of the Architect and Structural Engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the owner.
- C. Notification of Engineer: The Engineer shall be notified twenty-four hours prior to:
1. Placing concrete in any footing.
  2. Closing any wall forms.
  3. Grouting any masonry.
  4. Completing the welding of major sections of steel decking.
- D. Shoring and Bracing Requirements:
1. Roof Structures - The General Contractor is responsible for the method and sequence of all structural erection. He shall provide temporary shoring and bracing as his method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof attachments. The building shall not be considered stable until all connections are complete.
  2. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self supporting.
- E. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the contractor of the responsibility of completing the project according to the contract documents. The general contractor shall review and mark all shop drawings prior to submitting them to the Architect for his review.
- F. Project Coordination: It shall be the responsibility of the general contractor to coordinate with all trades and all items that are to be integrated into the structural system. Openings, penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the general contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the general contractor. It is the contractor's obligation to provide all items necessary for his chosen procedure.
- G. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.
- H. Contractor shall field verify all dimensions and conditions. If the contract drawings do not represent actual conditions, contractor shall notify architect/engineer prior to fabrication or construction within that area.
- I. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Rowley Engineers and Associates, Inc. All Rights reserved. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Rowley Engineers & Associates, Inc.'s reserved rights. The documents defining the structure are instruments of service prepared by Rowley Engineers and Associates, Inc. for one user only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the contractor or his subcontractors for preparation of shop drawings or other submittals.

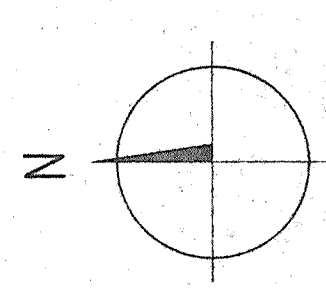
## VII. Special Inspections

Special inspection shall be provided by the owner according to UBC section 306. The special inspector shall observe the work for conformance with the contract documents. The special inspector shall send reports to the owner, the building official, the architect, the engineer and to the contractor. All discrepancies shall be brought to the attention of the contractor for correction. The special inspector shall submit a final signed report stating that the special inspection work was, to the best of his knowledge, in conformance with the plans, specifications and applicable workmanship provisions of the UBC. Special inspection is required for the following work:

1. Concrete and reinforcing steel placement
2. Structural welding, including steel deck (all field welds shall be 100% visually inspected).



**FOOTING & FOUNDATION PLAN**  
 SCALE: 1/8" = 1'-0"



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 JHCH ARCHITECTS

DATE:  
 JAN. 29, 1992

JOB #

BY

P.E.

REVISIONS

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**GUNISON VALLEY HOSPITAL**  
 ADDITION & REMODEL  
 GUNISON UTAH

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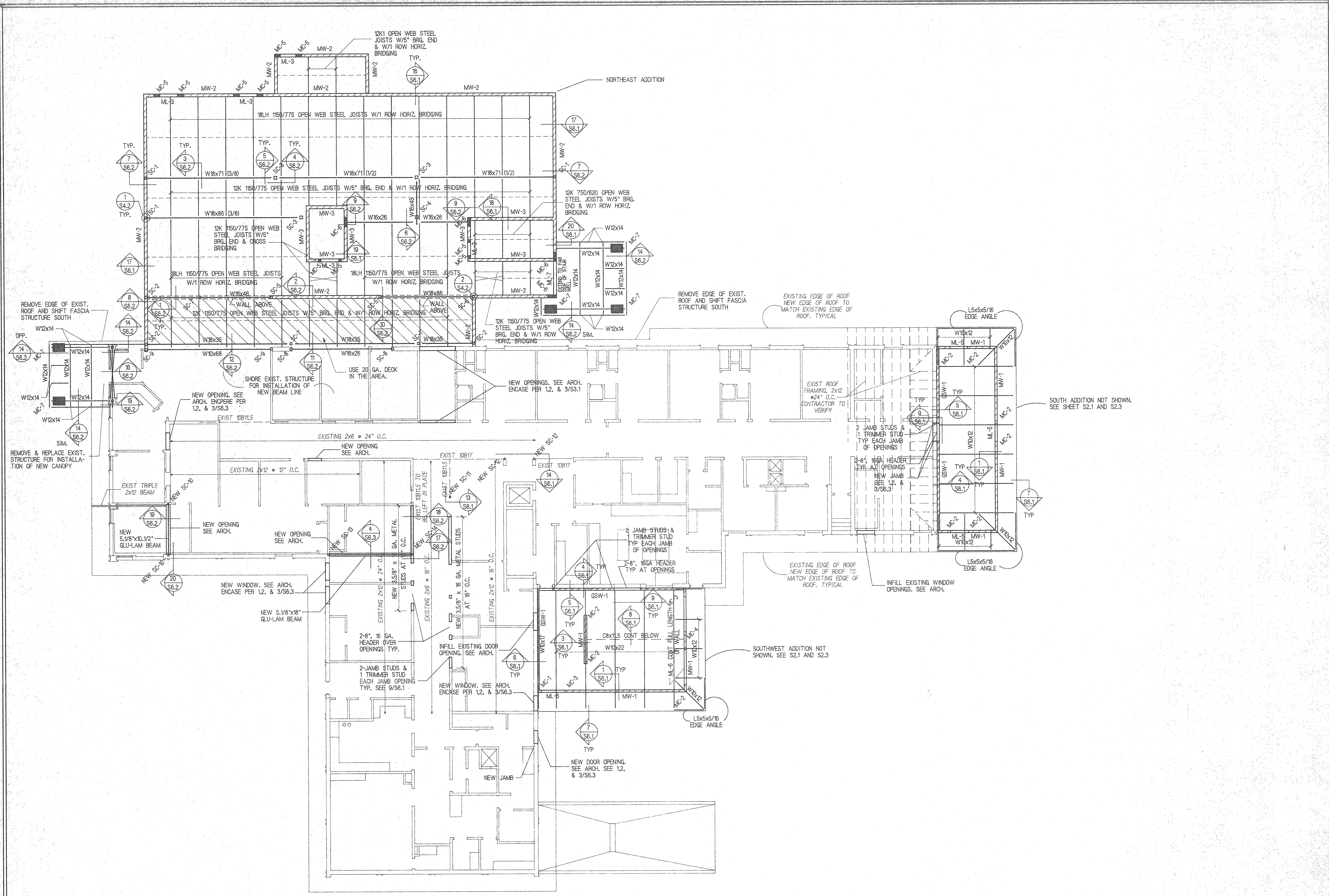
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**P.C.**  
 ARCHITECTS  
 PLANNERS

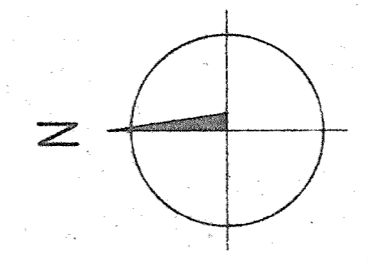
S2.1







ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"



DATE  
JAN. 28, 1992

JOB #

REV.

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REVISIONS

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ARCHITECTS  
PLANNERS

S2.3

MASONRY COLUMN SCHEDULE				
MARK	SIZE	REINFORCING		REMARKS
		VERTICAL	TIES	
MC-1	6"x8"	1-#5	NONE	
MC-2	6"x16"	2-#5	#2 TIES @ 8" O.C.	
MC-3	6"x24"	3-#5	2-#2 TIES @ 8" O.C.	
MC-4	6"x48"	6-#5	3-#2 TIES @ 8" O.C.	
MC-5	8"x16"	2-#6	#2 TIES @ 8" O.C.	
MC-6	8"x24"	6-#6	2-#2 TIES @ 8" O.C.	
MC-7	16"x28"	6-#6	2-#2 TIES @ 8" O.C.	

1. THE CENTERLINE OF VERTICAL BARS SHALL BE LOCATED 2 1/2" FROM THE FACE OF THE MASONRY. HORIZONTAL BARS SHALL BE LOCATED TO THE INSIDE OF THE VERTICAL BARS.

2. UNLESS NOTED OTHERWISE, VERTICAL REINFORCING AND TIES SHALL EXTEND FULL HEIGHT OF THE WALL.

3. MASONRY COLUMN VERTICAL BARS OR DOWELS IN CONCRETE FOUNDATION WALLS SHALL BE TIED WITH #3 TIES AT 8" O.C.

4. SEE ARCH. FOR CONFIGURATION OF MC-7.

MASONRY LINTEL SCHEDULE							
MARK	LINTEL DEPTH	LINTEL WIDTH	MASONRY TYPE	LINTEL REINFORCING		MAXIMUM SPAN	REMARKS
				HORIZONTAL	STIRRUPS		
ML-1	8"	6", 8", 10", OR 12"	BRICK OR CMU	2- #5 CONT	----	3'-4"	
ML-2	16"	6", 8", 10", OR 12"	BRICK OR CMU	2- #5 CONT TOP & BOT.	#3 AT 8" O.C.	5'-4"	
ML-3	24"	6", 8", 10", OR 12"	BRICK OR CMU	2- #5 CONT TOP & BOT.	#3 AT 8" O.C.	8'-0"	
ML-4	32"	6", 8", 10", OR 12"	BRICK OR CMU	2- #5 CONT TOP & BOT.	#3 AT 8" O.C.	10'-0"	
ML-5	16"	6"	CMU	1- #4 CONT TOP & BOT.	#3 AT 8" O.C.		
ML-6	24"	6"	CMU	1- #5 CONT TOP & BOT.	#3 AT 8" O.C.		
ML-7	48"	8"	CMU	2- #5 CONT TOP & BOT.	#3 AT 8" O.C.		

NOTES:

1. MASONRY LINTELS ML-1 THROUGH ML-4 SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. THE MASONRY LINTEL TO BE USED SHALL BE DETERMINED BY THE MAXIMUM SPAN AS SPECIFIED IN THIS SCHEDULE. WHEN A SPECIFIC MASONRY LINTEL IS CALLED OUT ON THE PLAN, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY.

2. MASONRY LINTELS ML-1 THROUGH ML-4 SHALL NOT BE LOCATED BELOW ANY FLOOR, OR ROOF BEAM, OR GIRDER, OR ANY OTHER CONCENTRATED LOAD UNLESS SHOWN SPECIFICALLY ON THE PLAN SHEET. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP.

3. FOR MASONRY LINTELS NOT SHOWN ON THE DRAWINGS THAT CARRY ANY FLOOR, OR ROOF BEAM, OR GIRDER, OR ANY OTHER CONCENTRATED LOAD, OR THAT SPAN GREATER THAN 10'-0" CONSULT THE STRUCTURAL ENGINEER.

4. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENING. IF HORIZONTAL REINFORCING CANNOT BE EXTENDED 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENING, PROVIDE 90 DEGREE STANDARD HOOK.

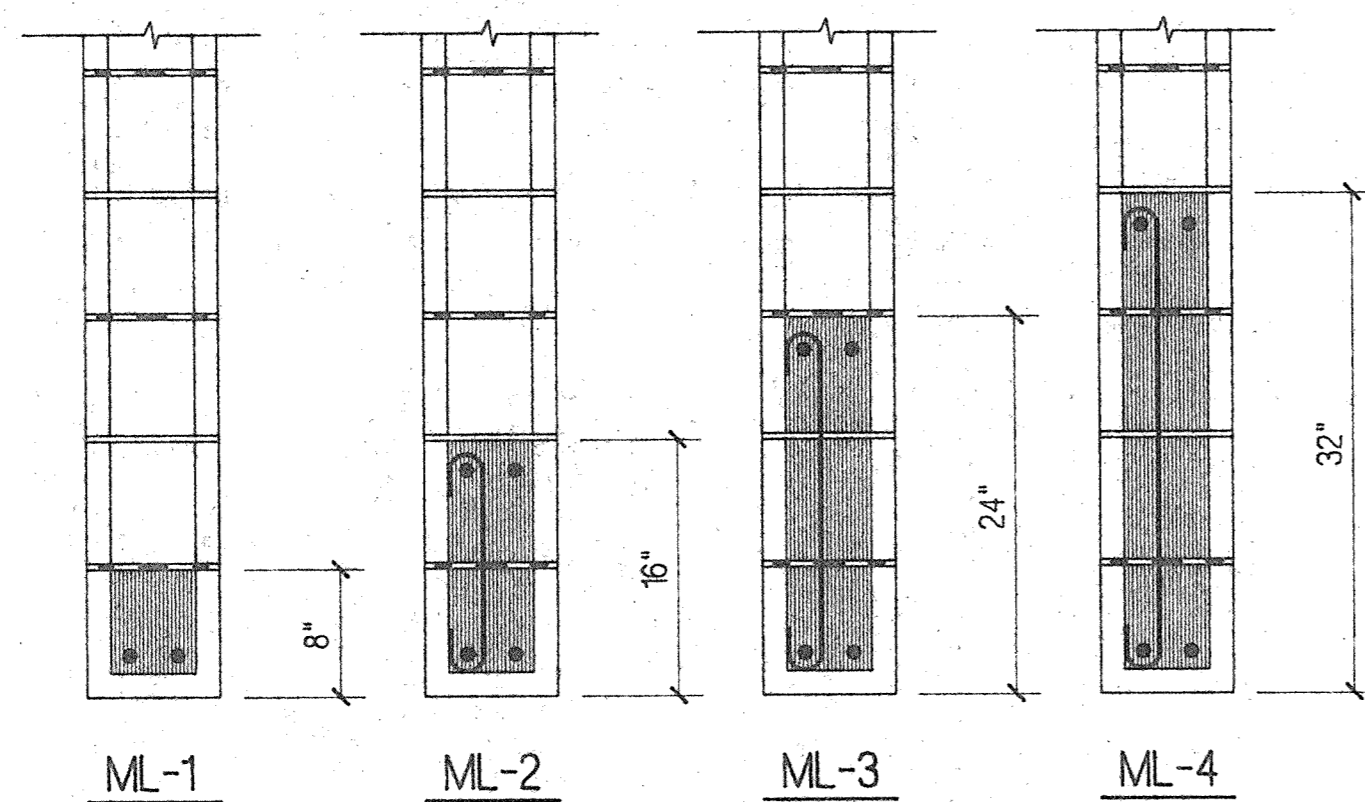
5. GROUT EACH MASONRY LINTEL MONOLITHICALLY.

6. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY.

7. SPLICE BOTTOM BARS OVER SUPPORTS ONLY.

8. FOR WALL ABOVE LINTEL, DOWEL VERTICAL REINFORCING INTO FULL DEPTH OF THE LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.

9. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING WOULD OCCUR IN THE SAME COURSE, THE LARGER BARS ARE TO REPLACE THE SMALLER BARS.



TYPICAL MASONRY LINTEL DETAILS

NO SCALE

2  
S3.1

CONCRETE WALL SCHEDULE					
MARK	THICK	HORIZONTAL REINFORCING	VERTICAL REINFORCING	PLACEMENT TYPE	NOTES
CW-2	8"	#4 AT 12" O.C.	#6 AT 12" O.C.	TYPE A	
CW-3	12"	#4 AT 12" O.C. E.F.	#6 AT 12" O.C. E.F.	TYPE C	
CW-4	12"	#4 AT 12" O.C. O.F. #9 AT 6" O.C. I.F.	#6 AT 12" O.C. E.F.	TYPE D	
CW-5	8"	#6 AT 12" O.C.	#4 AT 12" O.C.	TYPE A	TIE WALL INTO MAIN BLDG.

PLACEMENT TYPE

E.F. = EACH FACE  
O.F. = OUTSIDE FACE (AGAINST SOIL)  
I.F. = INSIDE FACE  
3L = THREE LAYERS

CONCRETE COLUMN SCHEDULE					
MARK	SIZE	REINFORCING		REMARKS	
		VERTICAL	TIES		
CC-1	12" x 24"	6-#6	2-#4 AT 12" O.C.		
CC-2	12" x 12"	4-#6	#4 AT 12" O.C.		
CC-3	8" x 8"	2-#6	#4 AT 12" O.C.		
CC-4	8" x 24"	6-#6	2-#4 AT 12" O.C.		

1. LOCATE (7) SETS OF TIES AT 3" O.C. AT TOP OF CC-1.

CONCRETE LINTEL SCHEDULE					
MARK	THICK	DEPTH	REINFORCING		REMARKS
			HORIZONTAL	STIRRUPS	
CL-1	12"	26"	2-#9 TOP & BOTTOM	#4 AT 12" O.C. (FIRST AT 2" FROM FACE OF OPENING)	
CL-2	12"	26"	2-#9 TOP & BOTTOM	#4 AT 6" O.C. (FIRST AT 2" FROM FACE OF OPENING)	
CL-3	8"	16"	2-#5 TOP & BOTTOM	#4 AT 12" O.C. (FIRST AT 2" FROM FACE OF OPENING)	

1. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENINGS. IF HORIZONTAL REINFORCING CANNOT BE EXTENDED 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENINGS, PROVIDE 90 DEGREE STANDARD HOOK.

2. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY.

3. SPLICE BOTTOM BARS OVER SUPPORTS ONLY.

4. FOR WALL ABOVE LINTEL, DOWEL VERTICAL REINFORCING INTO FULL DEPTH OF THE LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.

5. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH CONCRETE LINTELS.

MASONRY WALL SCHEDULE						
MARK	THICK	MATERIALS	REINFORCING			DETAIL
			VERTICAL	HORIZONTAL	JOINTS	
MW-1	6"	CMU, f'm=1500psi	#5 @ 32" O.C.	1-#4 @ 48" O.C.	3-#9 GALVANIZED WIRES @ 16" O.C.	
MW-2	8"	CMU, f'm=1500psi SOLID GROUT	#6 @ 24" O.C.	2-#4 @ 48" O.C.	3-#9 GALVANIZED WIRES @ 16" O.C.	
MW-3	8"	CMU, f'm=1500psi SOLID GROUT	#6 @ 24" O.C.	2-#4 @ 48" O.C.	2-#9 GALVANIZED WIRES @ 16" O.C.	

NOTES:

1. SEE PLANS, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL REINFORCING REQUIREMENTS.

2. GROUT SOLID ALL CELLS BELOW GRADE, CELLS CONTAINING EMBEDS (HSA'S, DBA'S, ANCHOR BOLTS, ETC.), AND CELLS CONTAINING REINFORCING.

3. POSITION BARS AND CONSOLIDATE GROUT AS PER THE GENERAL STRUCTURAL NOTES.

4. HORIZONTAL WALL REINFORCING SHALL BE PLACED INSIDE THE VERTICALS OF MASONRY COLUMNS.

5. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, THE LARGER BARS ARE TO REPLACE THE SMALLER BARS.

6. 1-#9 WIRE OF THE JOINT REINFORCING SHALL BE USED TO ATTACH THE BRICK VENEER TO THE MASONRY WALL.

CONCRETE FOOTING SCHEDULE												
MARK	WIDTH	LENGTH	THICK	CROSSWISE REINFORCING				LENGTHWISE REINFORCING				REMARKS
				NO.	SIZE	LENGTH	SPACE	NO.	SIZE	LENGTH	SPACE	
F-1	1'-6"	CONT	12"	NONE				2	#4	CONT	12"	
F-2	3'-6"	CONT	12"		#5	3'-0"	14"	3	#5	CONT.	18"	
F-3	5'-0"	CONT	12"		#5	4'-6"	14"	5	#5	CONT.	13.5"	
F-4	9'-6"	13'-0"	18"	10	#7	9'-0"	16.6"	7	#7	12'-6"	18"	
F-5	9'-6"	18'-0"	18"	13	#7	9'-0"	17.5"	7	#7	17'-6"	18"	
F-6	5'-0"	5'-0"	12"	7	#4	4'-6"	9"	7	#4	4'-6"	9"	
F-7	5'-6"	5'-6"	12"	5	#5	5'-0"	15"	5	#5	5'-0"	15"	
F-8	7'-0"	7'-0"	14"	7	#5	6'-6"	13"	7	#5	6'-6"	13"	
F-9	8'-6"	8'-6"	17"	8	#6	8'-0"	13.7"	8	#6	8'-0"	13.7"	
F-10	10'-6"	10'-6"	20"	16	#5	10'-0"	8"	16	#5	10'-0"	8"	

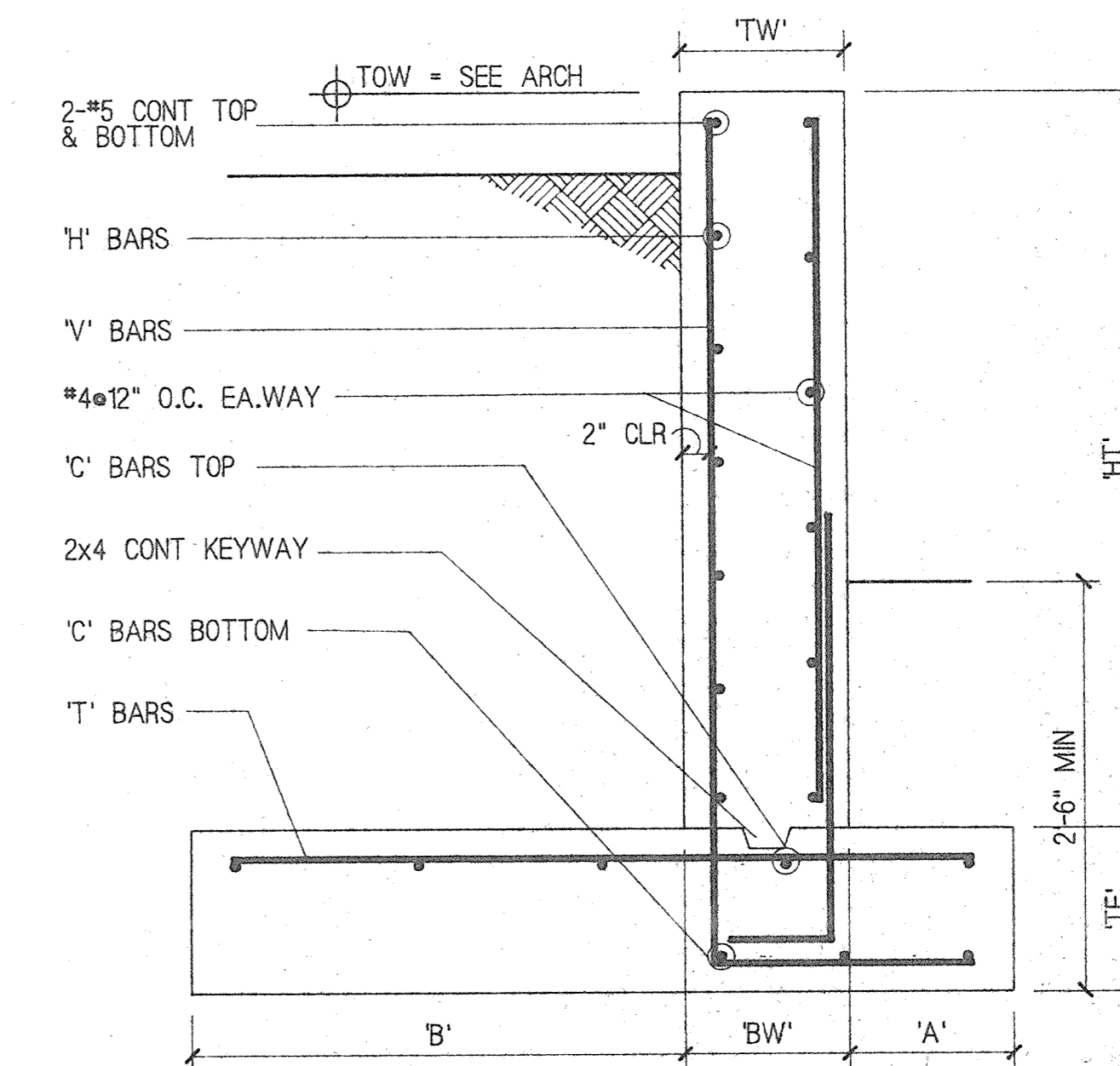
NOTES:

1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE.

2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" CLEAR CONCRETE COVER.

CONCRETE PIER SCHEDULE				
MARK	SIZE	REINFORCING		REMARKS
		VERTICAL	TIES	
CP-1	18" x 18"	8-#6	2-#4 AT 6" O.C.	TOP OF PIER AT 88'-3"
CP-2	20" x 32"	6-#6	2-#4 AT 6" O.C.	SEE ARCH. FOR TOP OF PIER

1. LOCATE THREE SETS OF TIES AT 3" O.C. AT TOP OF PIER.



CONCRETE RETAINING WALL SCHEDULE													
MARK	HT'	A'	B'	TW/BW'	TF'	V' BARS		H' BARS		T' BARS		C' BARS	
						SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE
CRW-1		2'-0"	2'-9"	10'/10'	12"	#4	12"	#4	12"	#4	12"	4	18"
CRW-2	< 4'-0"	6"	1'-4"	8'/8"	12"	#4	12"	#4	12"	#4	12"	4	18"
CRW-3	< 6'-0"	1'-0"	1'-10"	8'/8"	12"	#4	12"	#4	12"	#4	12"	4	18"
CRW-4	< 8'-0"	1'-6"	2'-9"	8'/8"	12"	#5	12"	#4	12"	#4	12"	4	18"
CRW-5	< 10'-0"	2'-0"	4'-3"	8'/8"	12"	#7	12"	#4	12"	#5	12"	4	18"

TYPICAL RETAINING WALL DETAIL W/ SCHEDULE

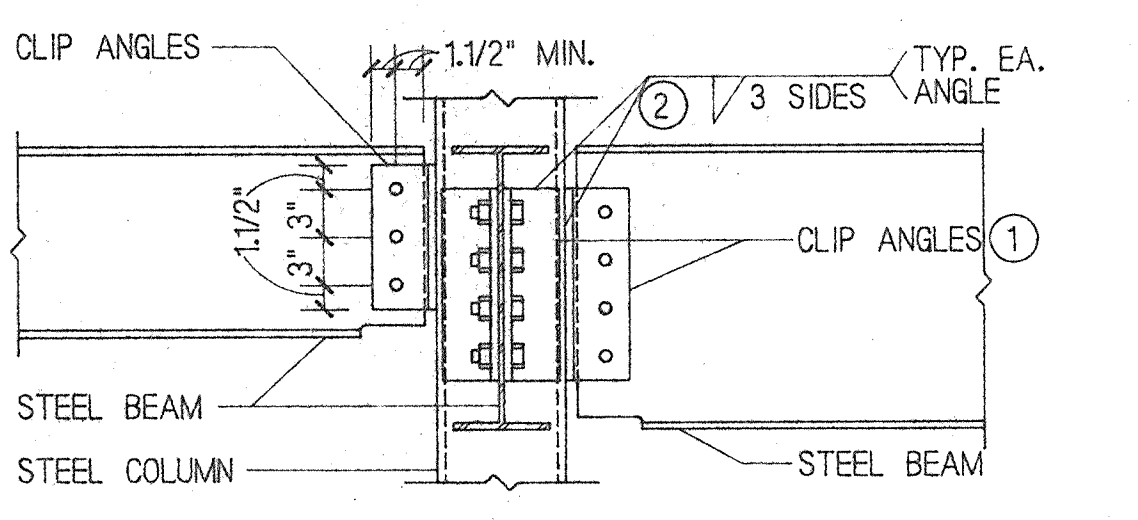
NO SCALE

1  
S3.1

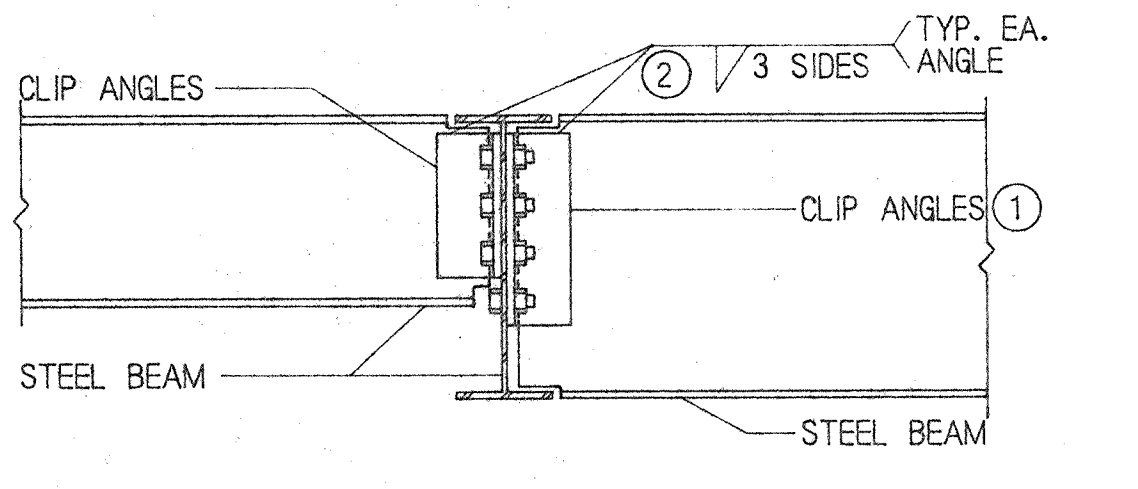
GYPSUM BOARD SHEAR WALL SCHEDULE gsw\_1

MARK	WALL FRAMING			WALL ANCHORAGE		WALL SHEATHING	EDGE SCREWS		FIELD SCREWS		REMARKS
	STUDS	SPACING	BOTTOM TRACK	TOP TRACK	BOTTOM TRACK ANCHORAGE		SIZE	SPACING	SIZE	SPACING	
GSW-1	3.5/8" OR 6"x16 GA.	16"	16 GA.	16 GA.	3/4" DIA x 12" A.B. • 32" O.C.	1/2" MIN. GYPSUM BOARD	#6	4"	#6	12"	SEE 9.10/54.1 AND 9.12/56.1

- NOTES:
- WHERE STUD MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE.
  - ALL PANEL EDGES SHALL BE SOLID BLOCKED WITH FRAMING MEMBERS AND A 20 GA. x 2" WIDE x CONT STRAP. ATTACH STRAP TO STUDS W/ 2-#6 SCREWS. SEE DETAIL 10/56.1
  - DISTANCE FROM PANEL EDGE TO SCREWS SHALL BE NOT LESS THAN 3/8".
  - SCREW SHALL BE 1" LONG COATED DOUBLE LEAD THREAD DRYWALL SCREWS WITH CONTOUR HEAD AND DIAMOND POINT.
  - SEE ARCH. FOR STUD SIZE. (ALL STUDS ARE TO BE 16 GAGE)



CLIP ANGLE BEAM TO COLUMN CONNECTION



CLIP ANGLE BEAM TO BEAM CONNECTION

TYPICAL BOLTED CLIP ANGLE CONNECTIONS W/ BOLT SCHEDULE 3  
NO SCALE

A-325 BOLT SCHEDULE

MAXIMUM BEAM SIZE IN EACH BEAM DEPTH GROUP	A-325N BOLTS	
	NO. PER LEG	SIZE
W8	2	3/4" Ø
W10	2	3/4" Ø
W12	3	3/4" Ø
W14	3	3/4" Ø
W16	4	3/4" Ø
W18	5	3/4" Ø

- NOTES:
- CLIP ANGLES-2-L4x3.1/2. THICKNESS SHALL BE EQUAL TO ONE HALF THE BEAM WEB THICKNESS PLUS 1/16" (1/4" MIN.). FOR TWO ROWS OF BOLTS, USE BENT PLATES.
  - FILLET WELDS SHALL BE ANGLE THICKNESS MINUS 1/16" (1/4" MIN.)
  - CONTRACTOR HAS OPTION TO BOLT CLIP ANGLES AT BEAM WEB IN BEAM TO BEAM CONNECTIONS
  - BOLT EDGE DISTANCE SHALL BE 1 1/2" MIN. AT ALL EDGES. BOLT SPACING SHALL BE 3" MIN.

STEEL ANGLE LINTEL SCHEDULE sti\_intel

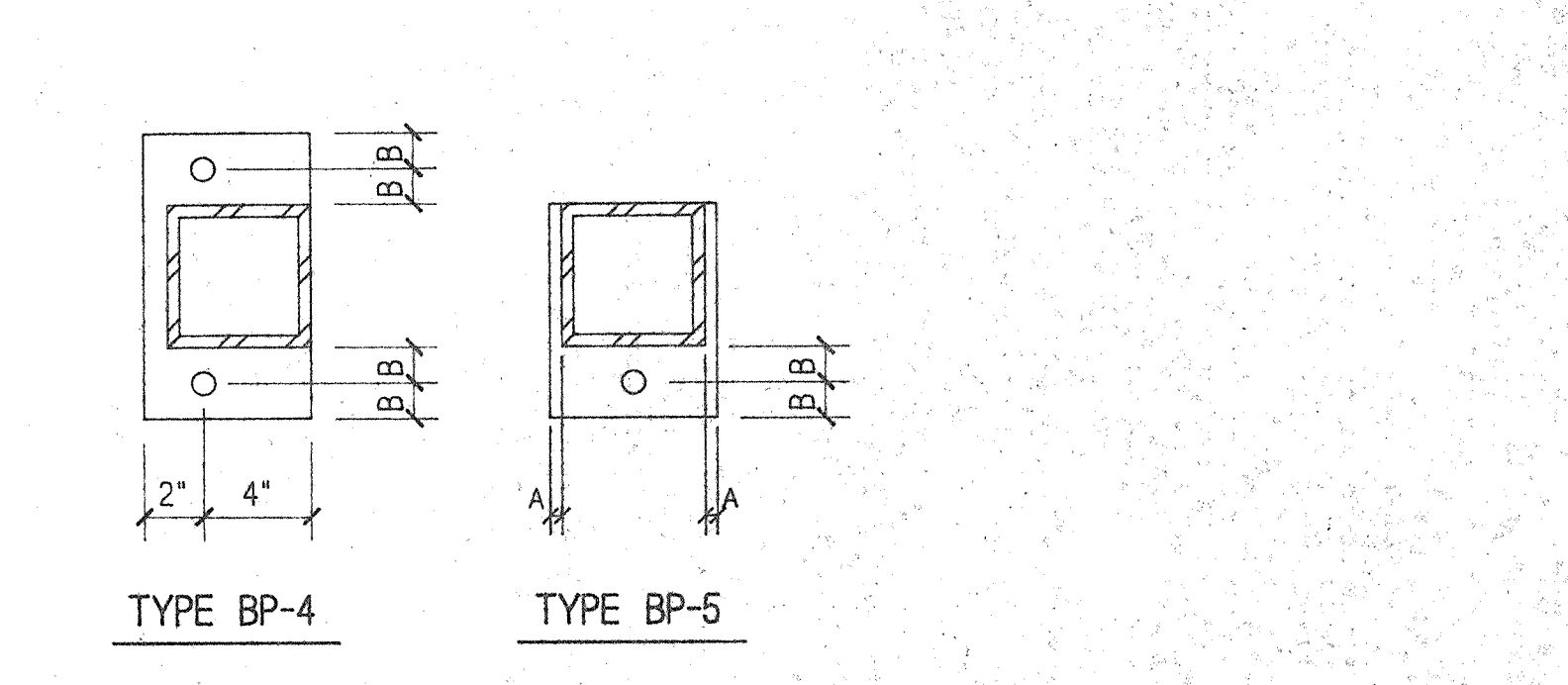
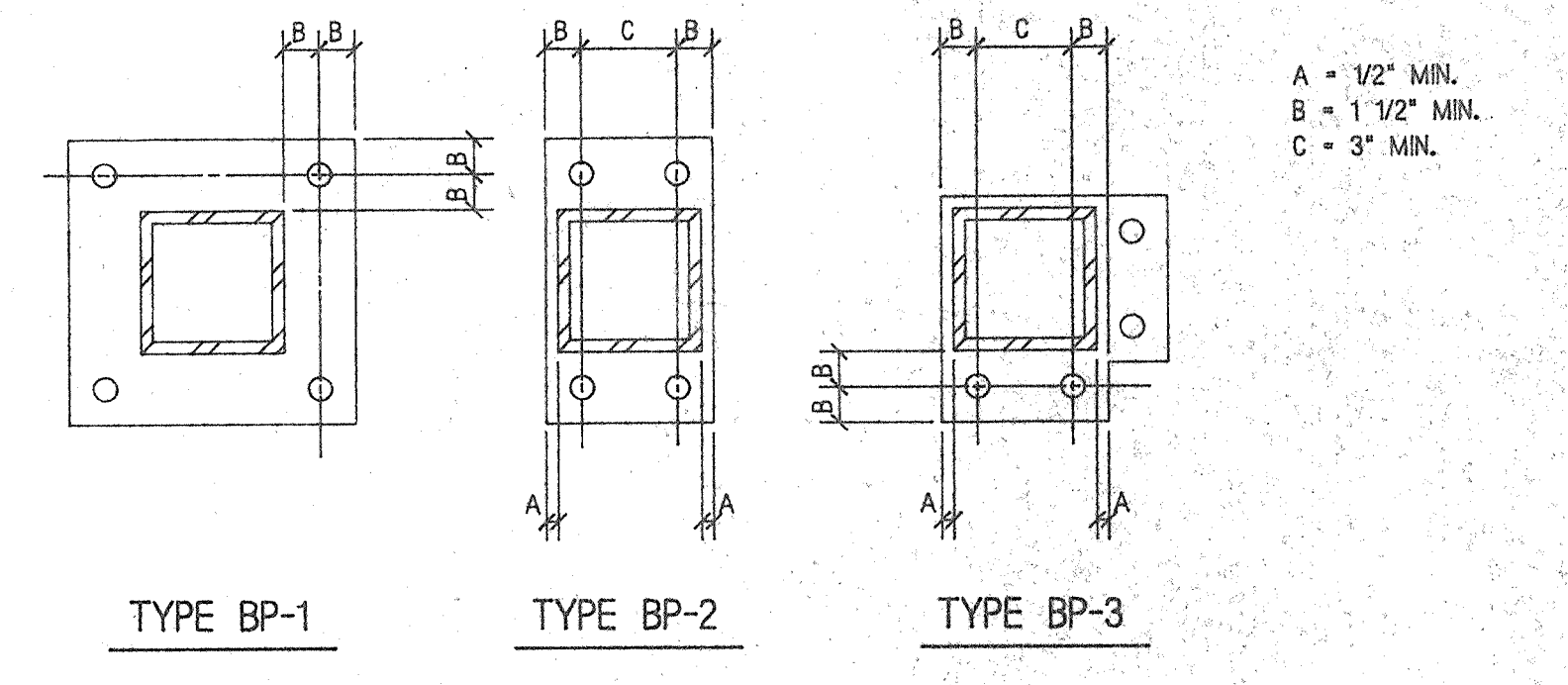
BEARING EQUALS 1" PER FOOT OF OPENING OR 6" MINIMUM TYPICAL

OPENING SIZE	ANGLE SIZE	NOTES
0'-0" - 7'-0"	L3.1/2"x3.1/2"x1/4"	LINTELS ARE DESIGNED TO SUPPORT UNIFORM LOADS CONSISTING ONLY OF WEIGHT OF WALL WITHIN A 60 DEGREE ISOSCELES TRIANGULAR AREA ABOVE OPENING.  ALL STEEL LINTELS ARE TO HAVE LONG LEG VERTICAL.  LINTEL SCHEDULE FOR 4" VENEER.  ALL ANGLE LINTELS SHALL BE GALVANIZED.
7'-0" - 9'-0"	L4"x3.1/2"x1/4"	
9'-0" - 10'-0"	L5"x3.1/2"x1/4"	

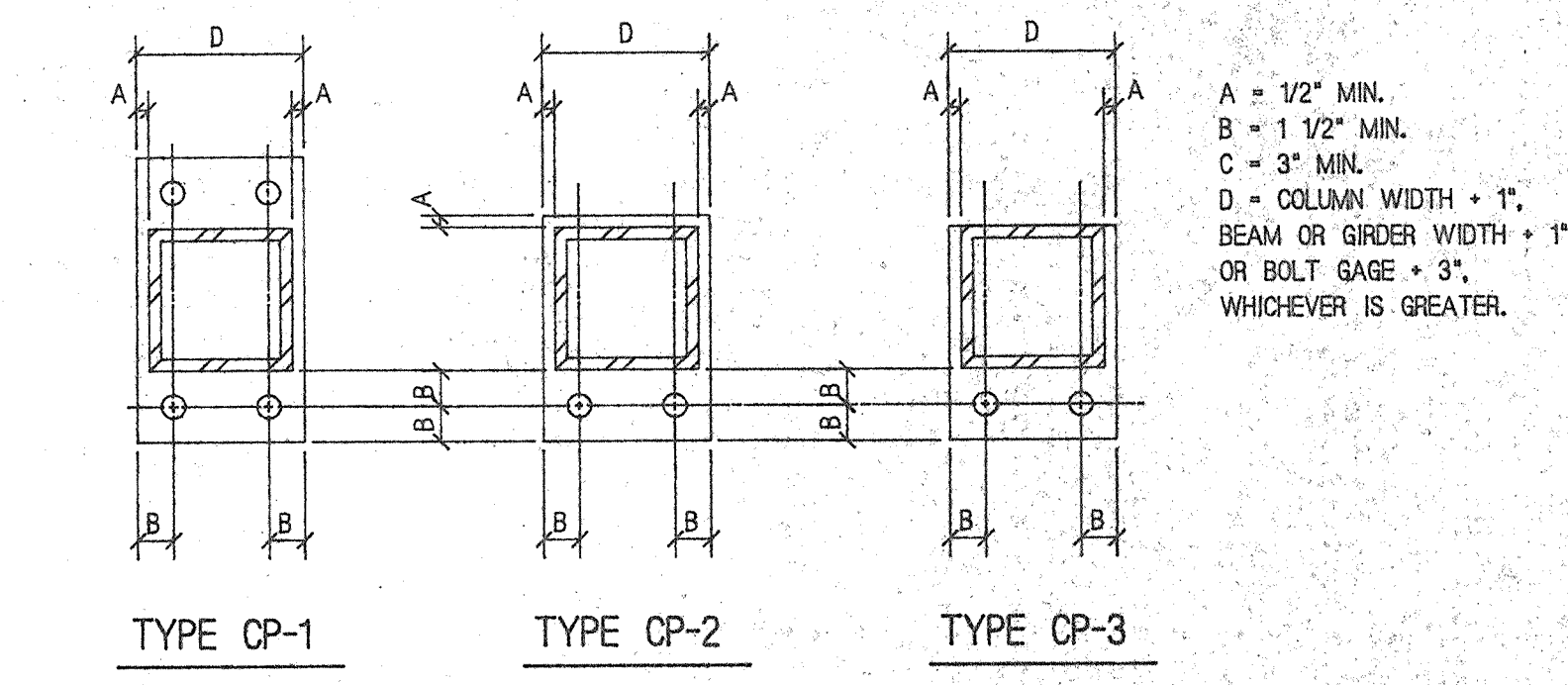
STEEL COLUMN SCHEDULE sc\_1

MARK	SIZE	STEEL BASE PLATE	STEEL CAP PLATE	REMARKS
SC-1	TSS5x1/4	6"x1/4"x11" 1", BP-4	6"x1"x8"	
SC-2	TSS5x1/4	6"x1/4"x11" 1", BP-4	1", CP-2	
SC-3	TS8x8x5/16	1", BP-1	9"x1"x9"	
SC-4	TS8x8x5/16	1", BP-1	9"x1"x9"	
SC-5	TSS5x1/4	1", BP-2	1", CP-2	BEARING AT 99'-7"
SC-6	TSS5x1/4	1", BP-3	1", CP-2	BEARING AT 99'-7"
SC-7	TSS5x1/4	1", BP-2	1", CP-1	
SC-8	TSS5x3/16	1", BP-5	1", CP-2	SEE DETAIL 12/54.2
SC-9	TSS5x3/16	1", BP-5	5"x3/8"x5"	SEE DETAIL 12/54.2
SC-10	TS3.1/2x3.1/2x1/4	3/4", BP-5	3/16" BENT PLATE	SEE DETAIL 12/54.2
SC-11	TS4x4x1/4	1/2", BP-2	10"x1/2"x5"	
SC-12	TS4x4x1/4	1/2", BP-2	10"x1/2"x5"	
SC-13	TS3.1/2x3.1/2x1/4	1/2", BP-5 (TURN TOE EAST)	3/16" BENT PLATE	SEE DETAIL 12/54.2
SC-13	TS3.1/2x3.1/2x1/4	1/2", BP-2	3/16" BENT PLATE	

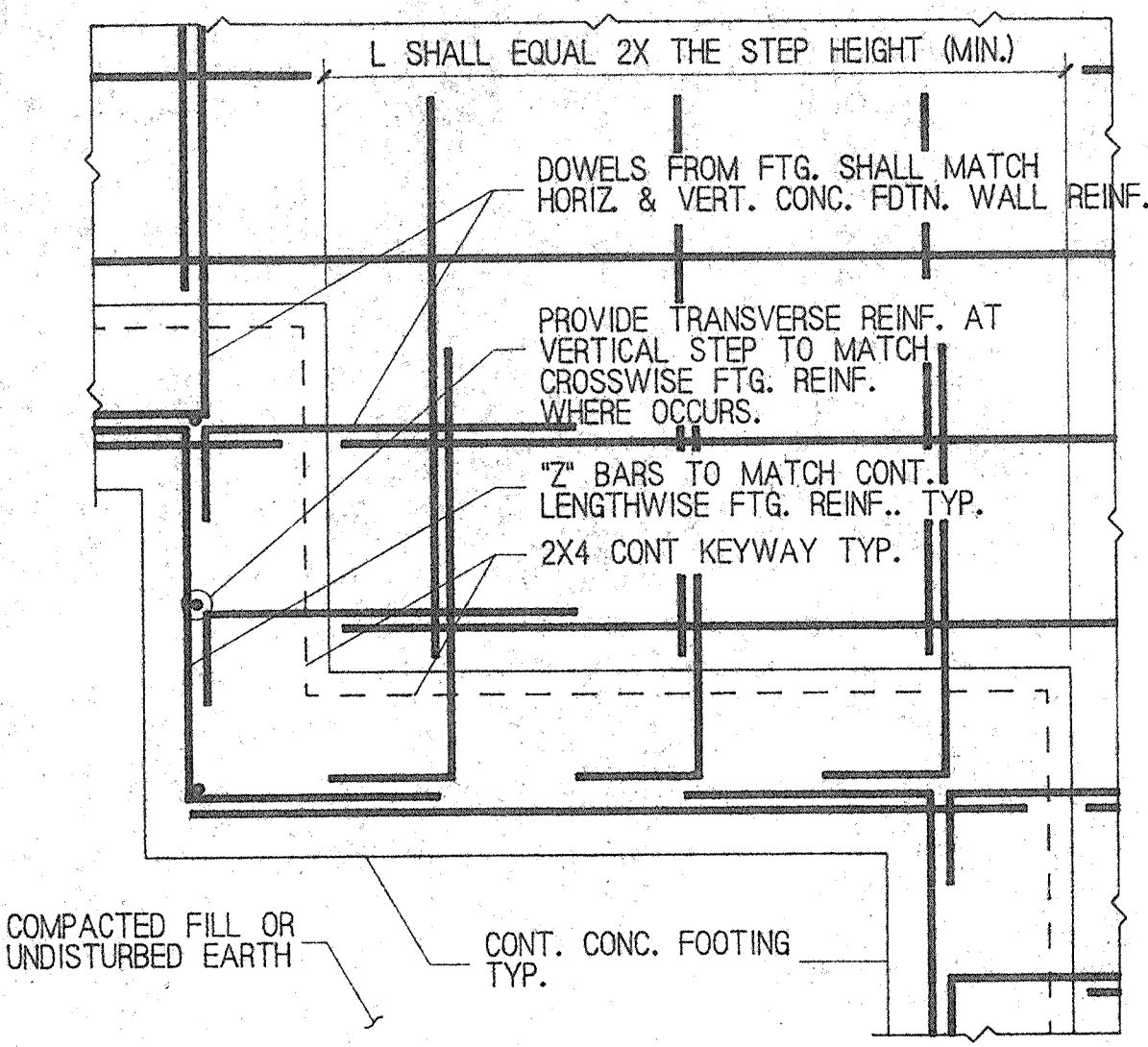
- NOTES:
- UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE INSTALLED W/ 4-3/4" DIAMETER A.B. W/ 3" (MIN) HOOKS. PROJECT ANCHOR BOLTS 1" (MIN) ABOVE THE TOP OF THE BASE PLATE. EMBEDMENT SHALL BE 9" (MIN). ALL BOLTS SHALL BE INSTALLED W/ 3/16" (MIN) PLATE WASHERS BENEATH THE NUT.



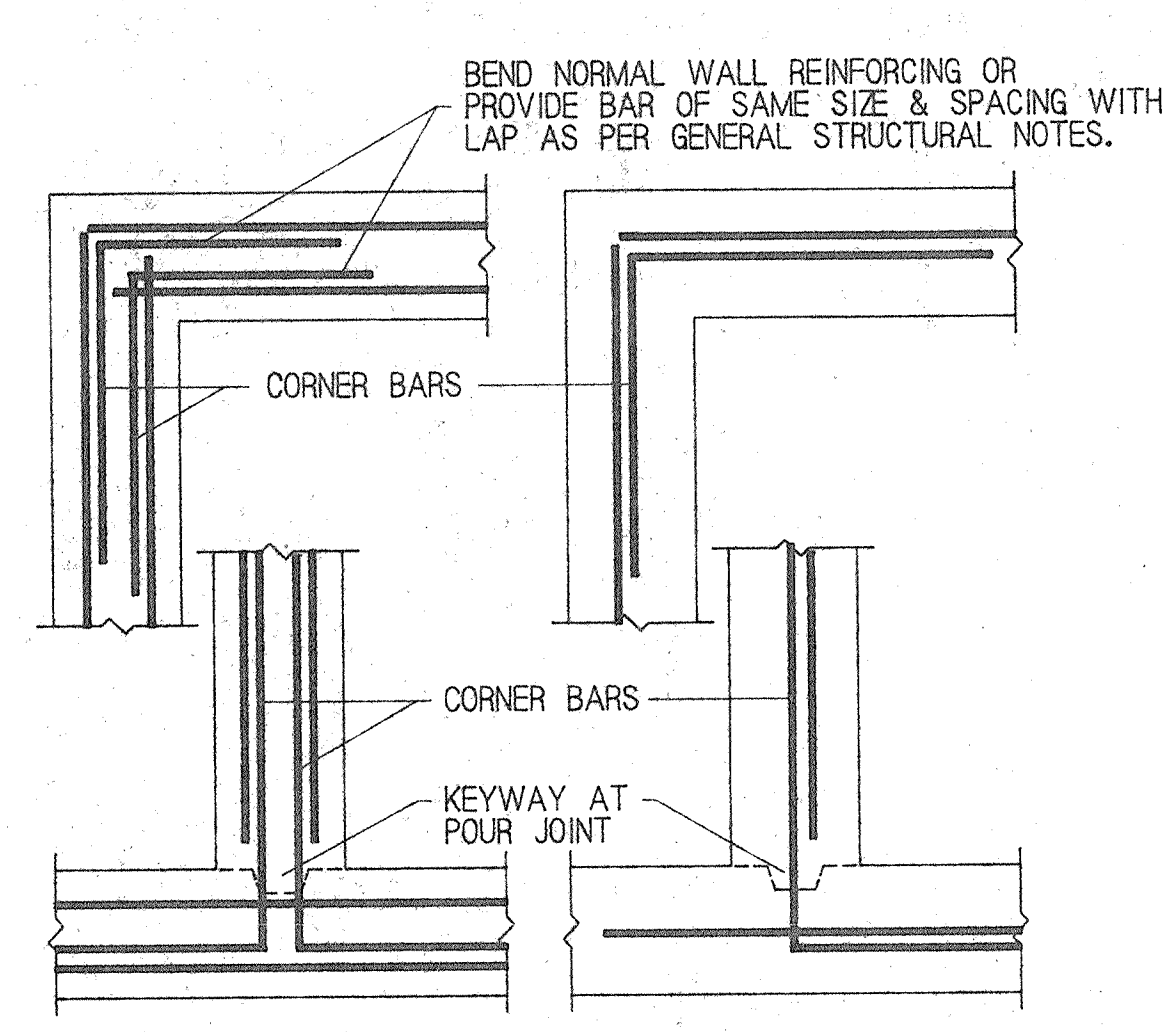
TYPICAL BASE PLATES - PLAN VIEW 1  
NO SCALE



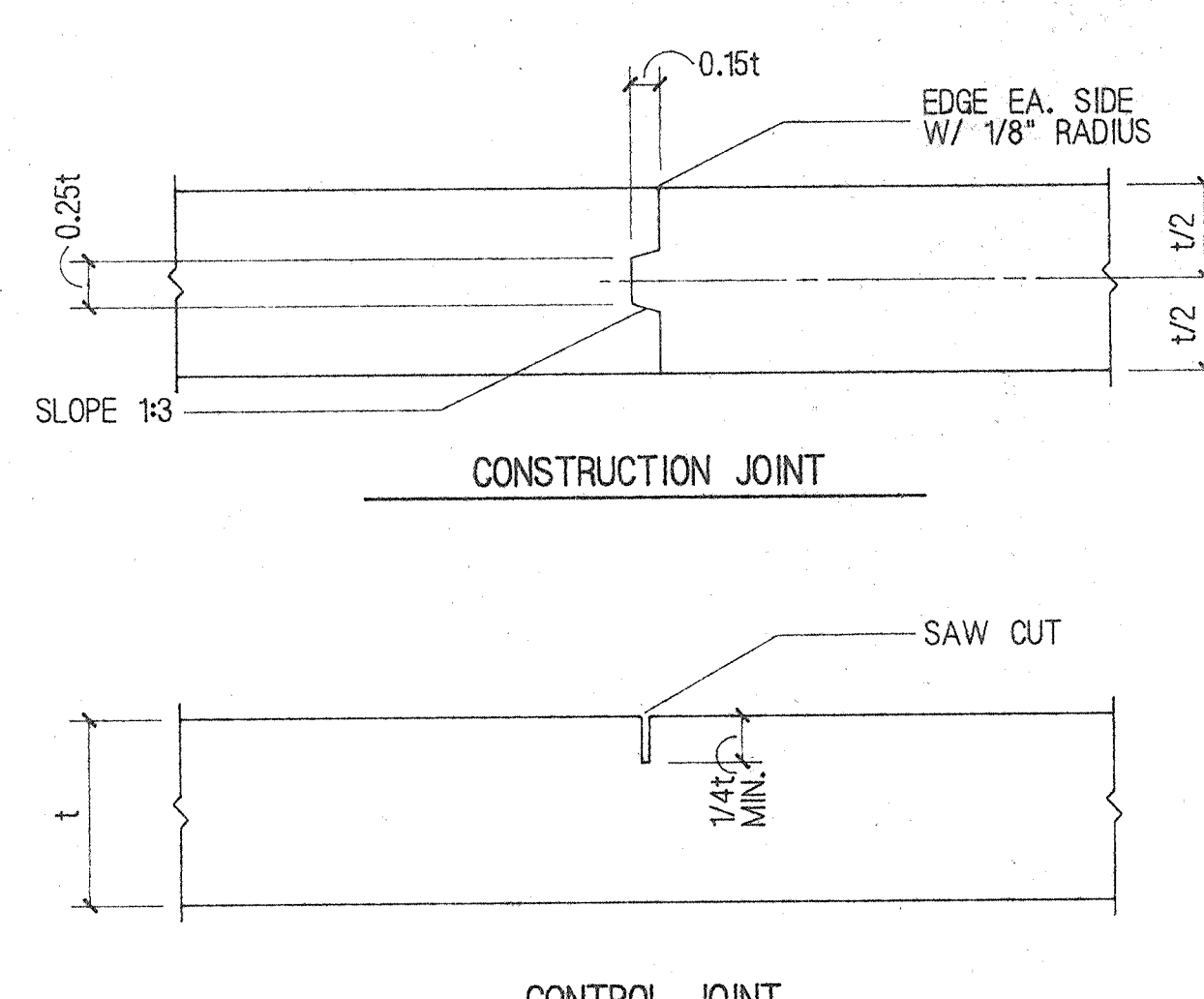
TYPICAL CAP PLATES - REFLECTED PLAN VIEW 2  
NO SCALE



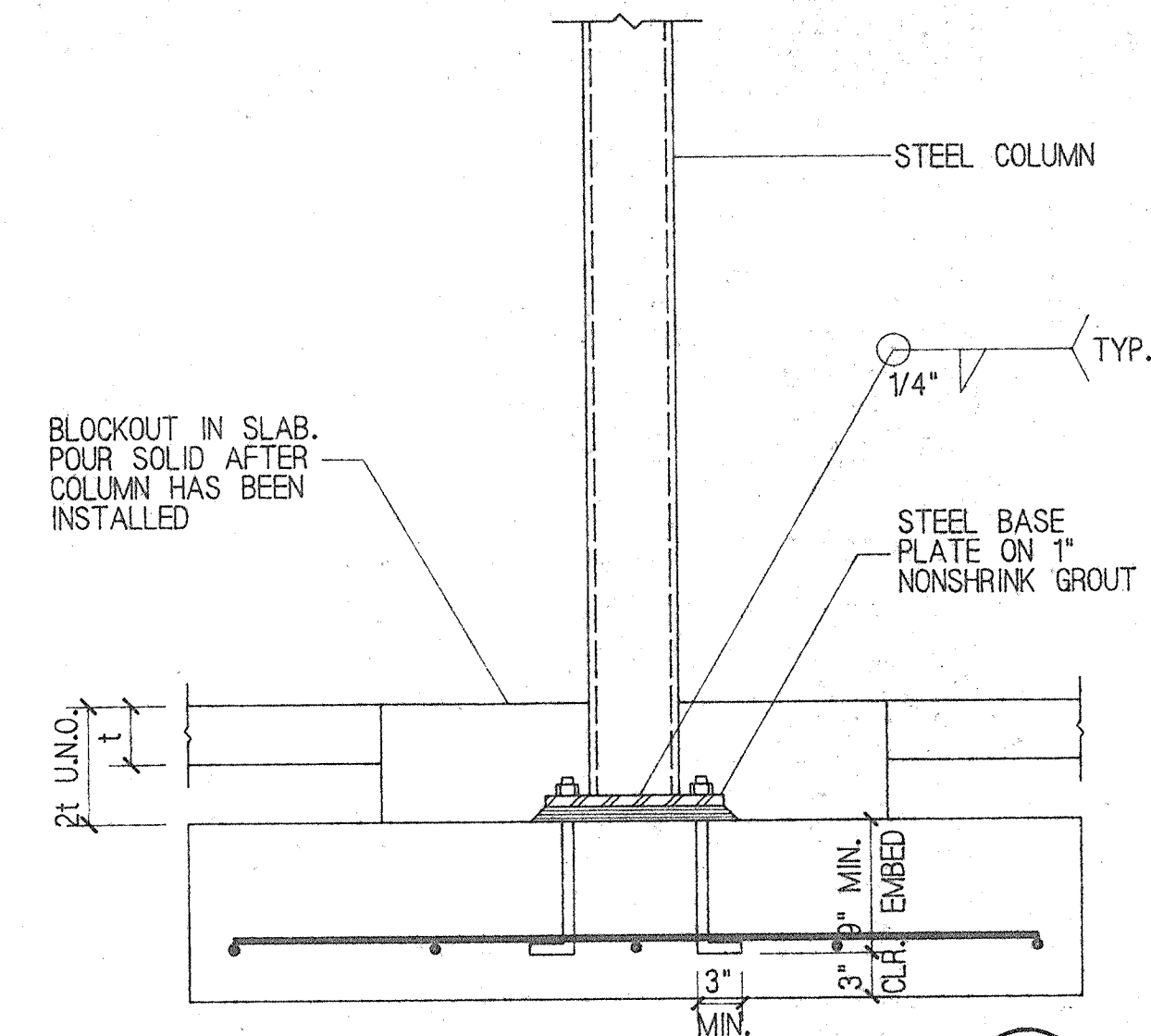
TYPICAL STEPPED FOOTING DETAIL  
NO SCALE  
1 S4.1  
TYP. FTN01



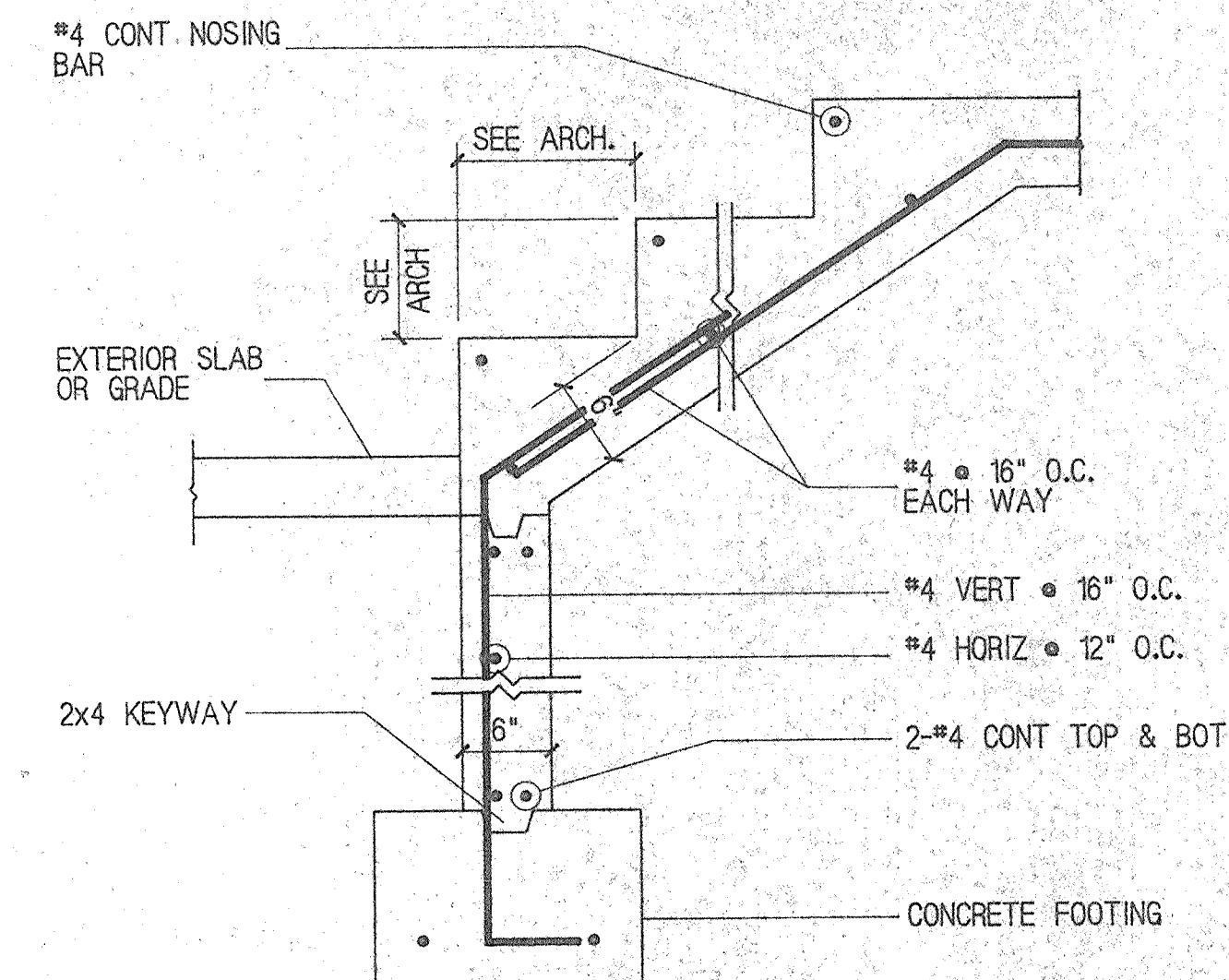
TYP. WALL CORNERS & INTERSECTION (PLAN)  
NO SCALE  
2 S4.1  
TYP. FTN02



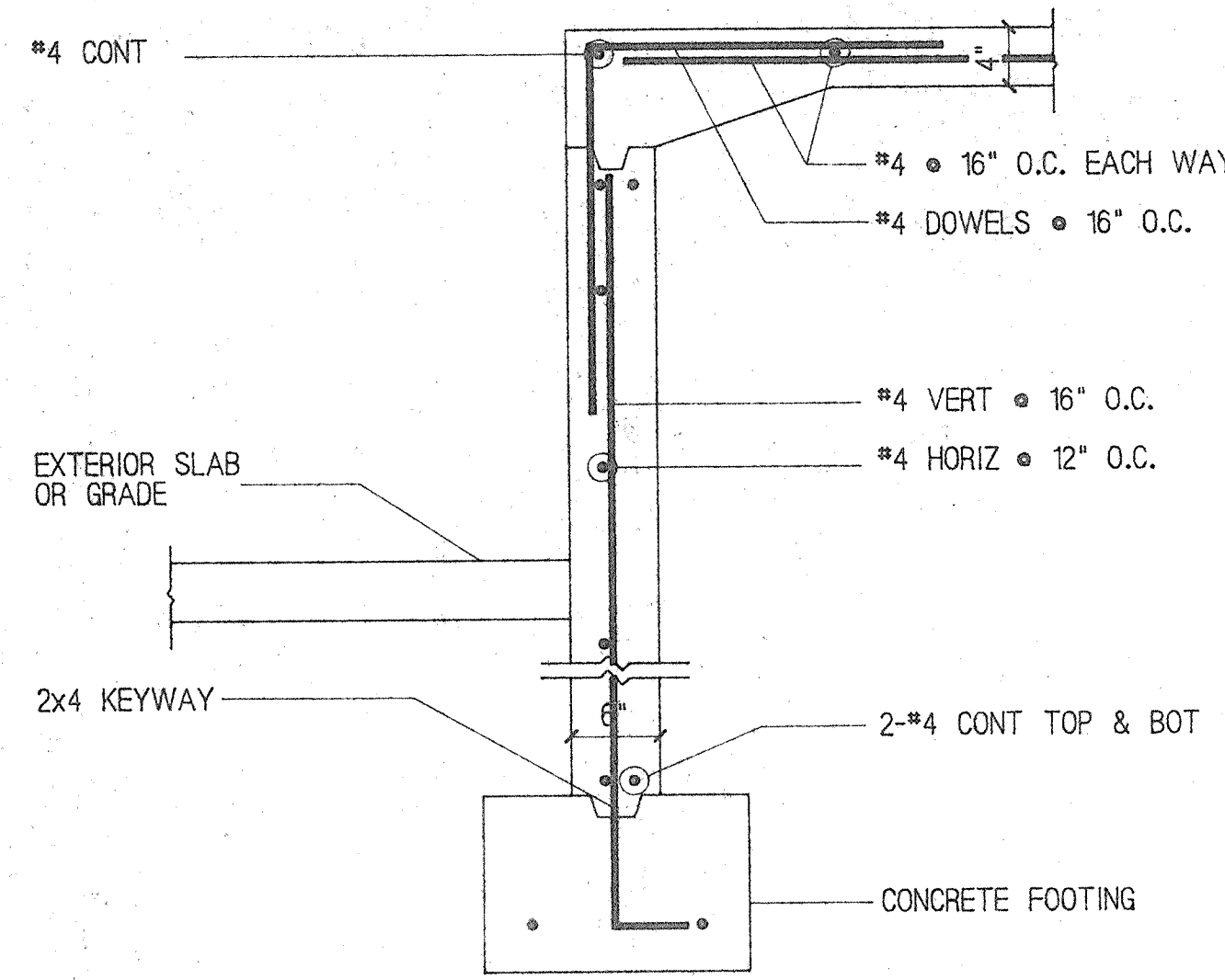
TYPICAL SLAB CONTROL/CONST JOINTS  
NO SCALE  
3 S4.1  
TYP. FTN03



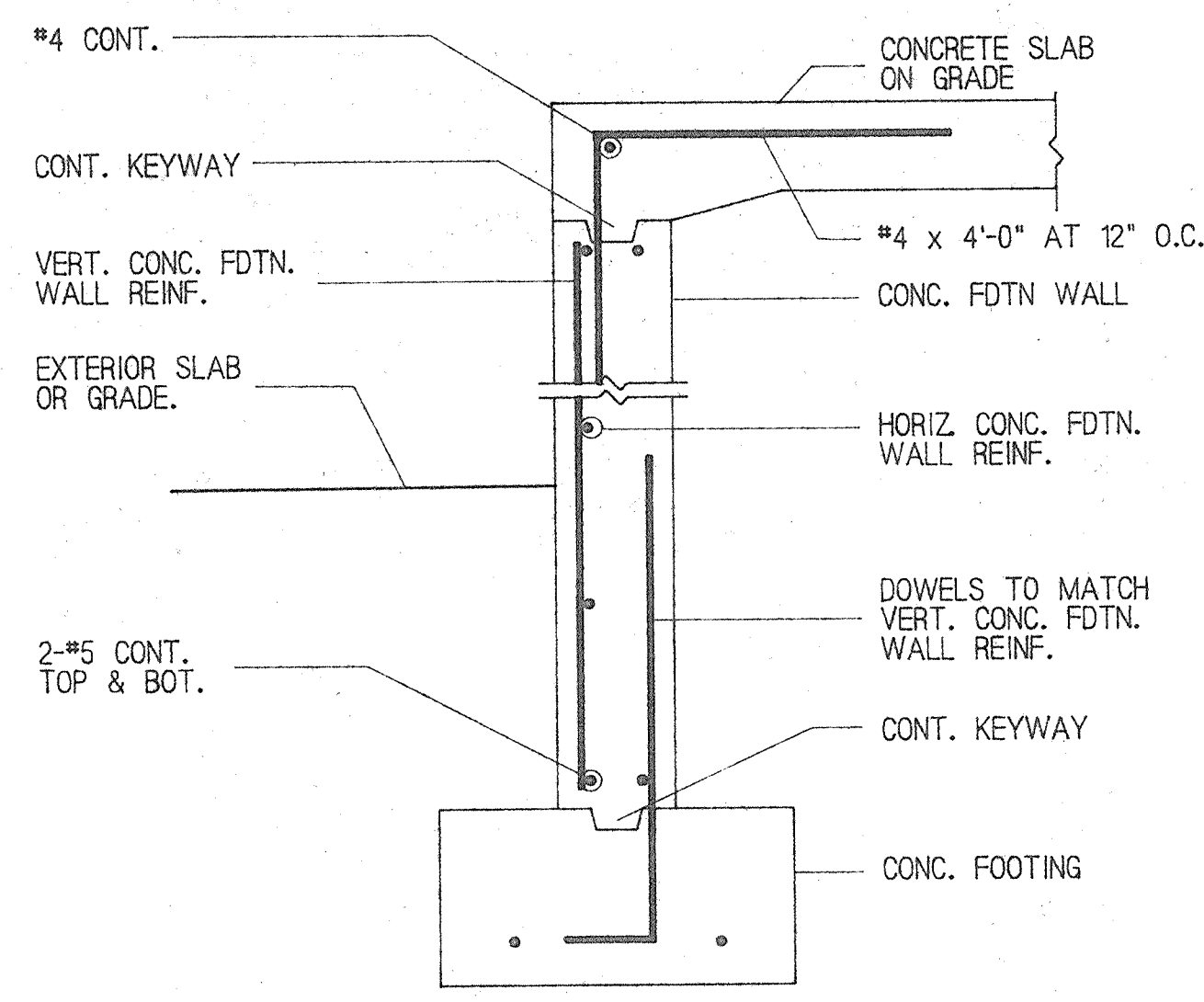
TYPICAL COLUMN BASE  
NO SCALE  
4 S4.1  
TYP. FTN05



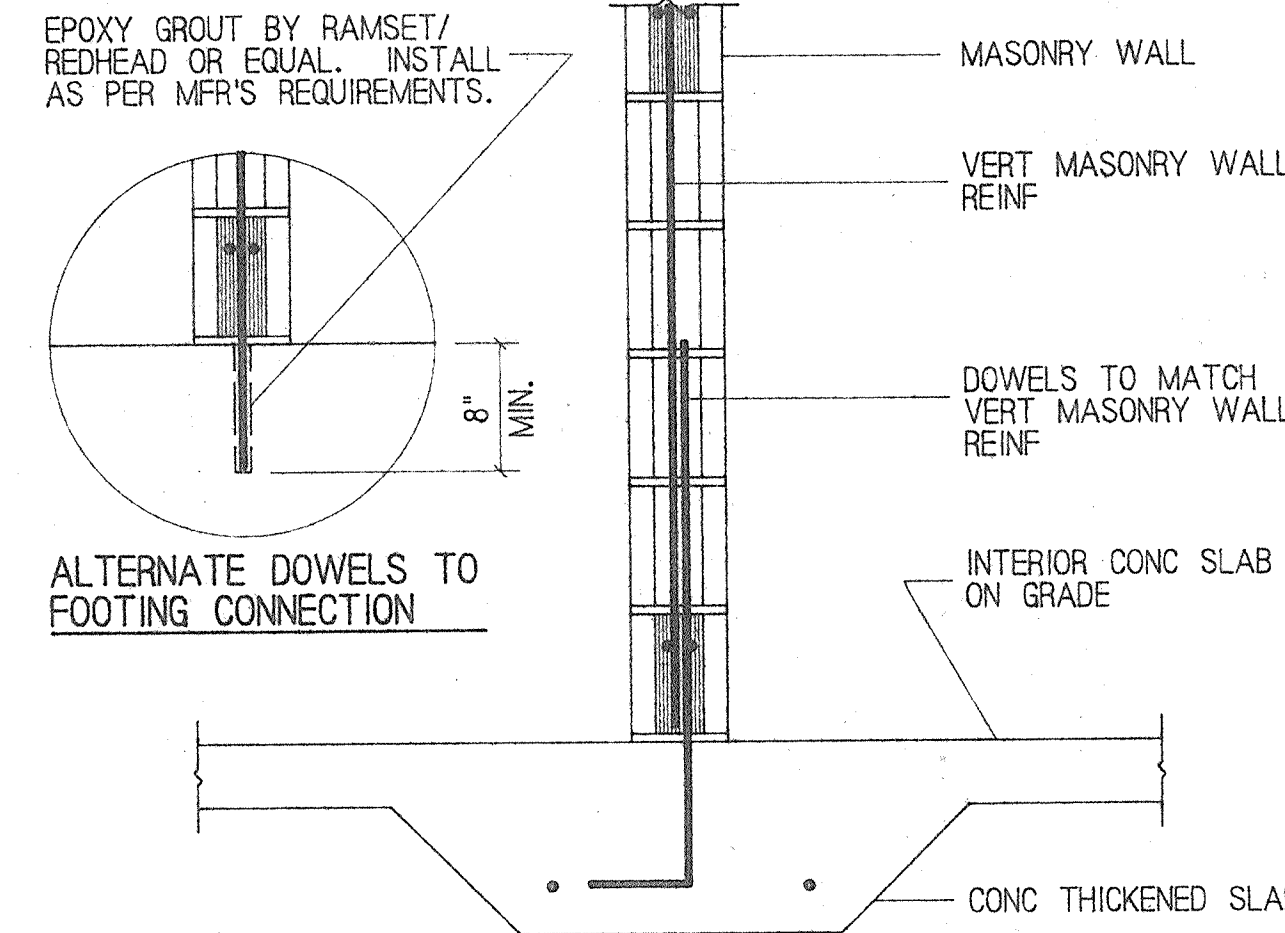
TYPICAL CONC STAIR ON GRADE REINF DETAIL  
NO SCALE  
5 S4.1  
02/04/95



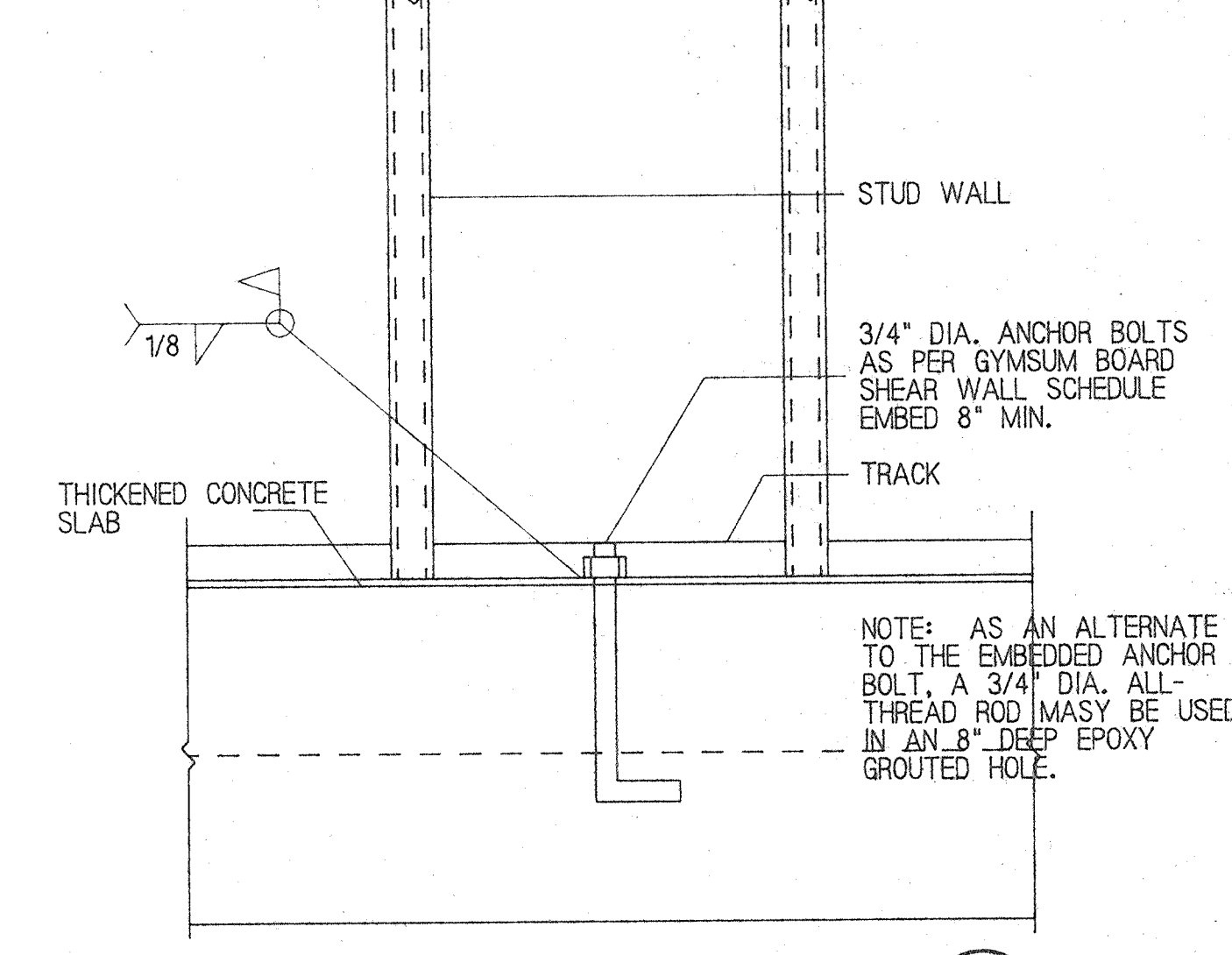
TYPICAL SIDE WALL AT CONC STAIR  
NO SCALE  
6 S4.1  
02/04/95



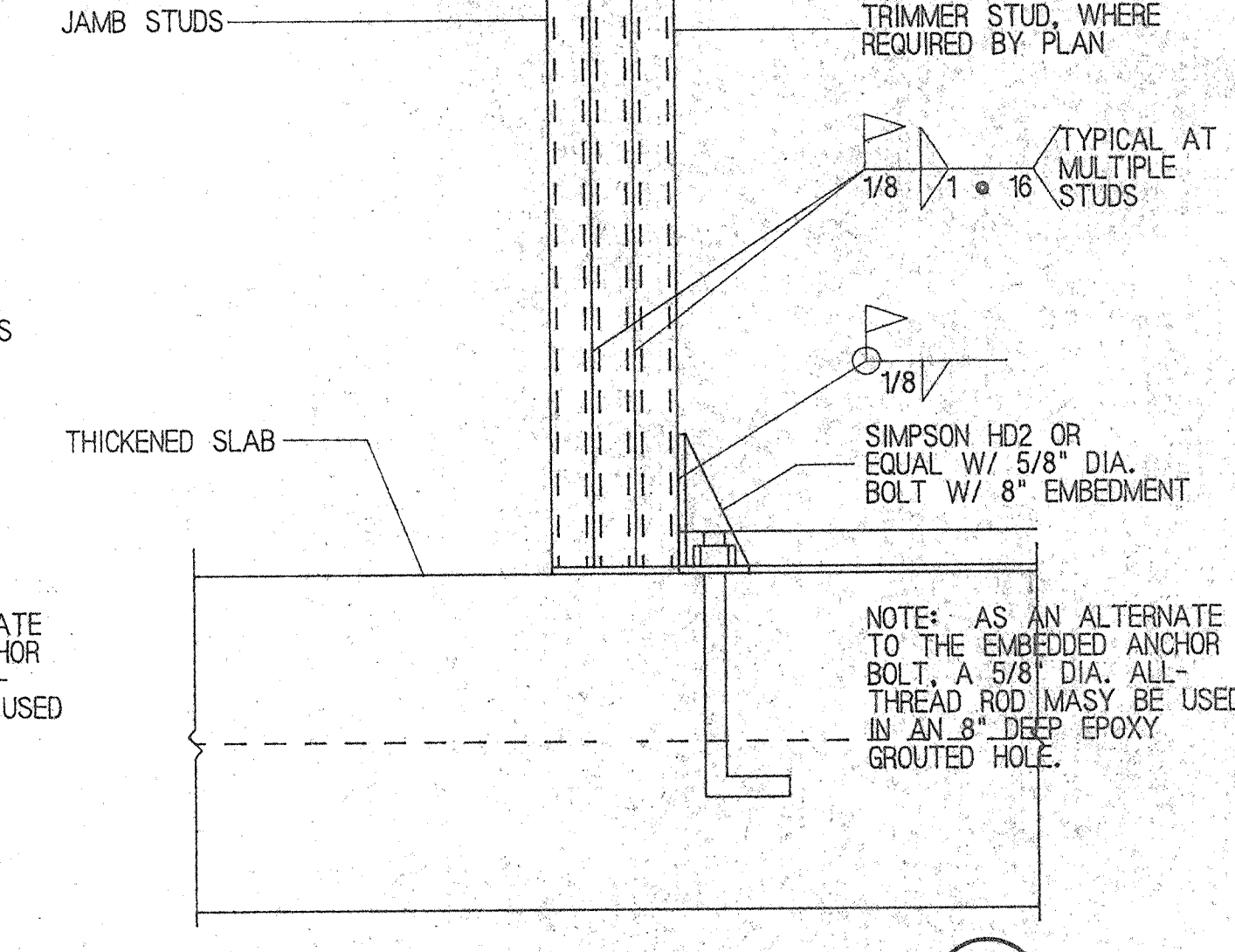
TYPICAL FOUNDATION WALL DETAIL  
NO SCALE  
7 S4.1  
02/04/95



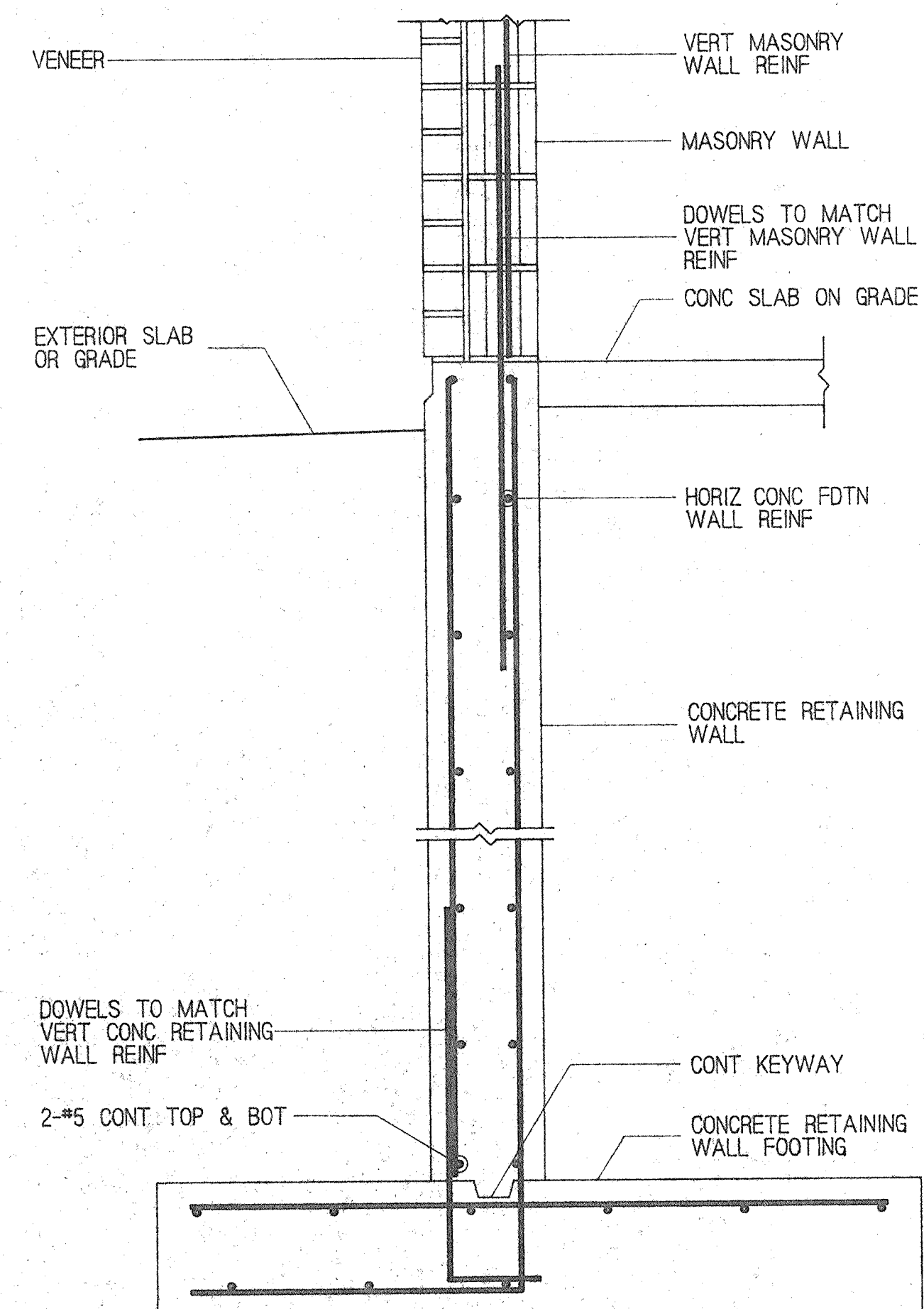
TYPICAL INTERIOR MASONRY WALL AT THICKENED SLAB  
NO SCALE  
8 S4.1  
02/04/95



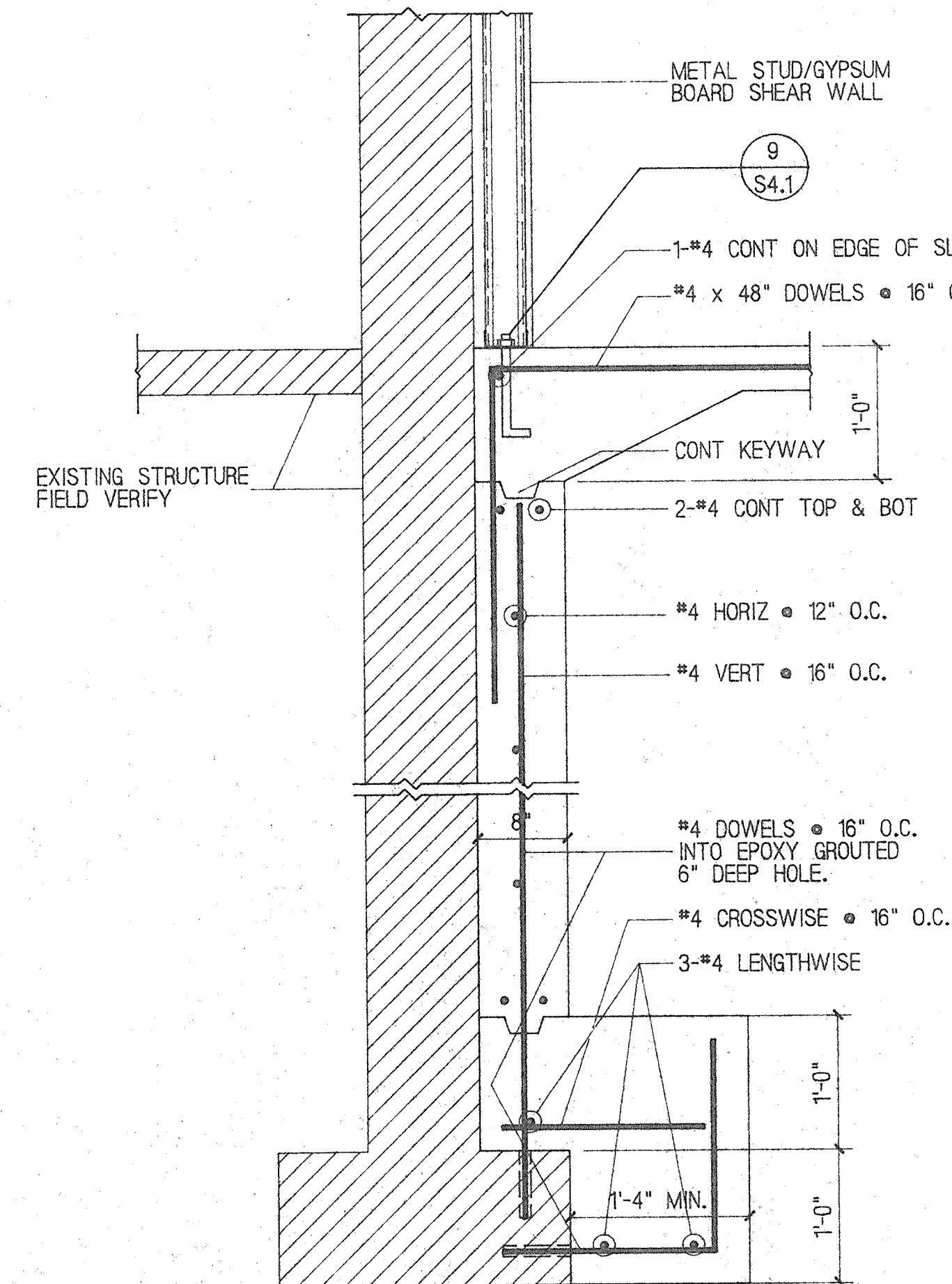
TYPICAL ANCHOR BOLT DETAIL  
NO SCALE  
9 S4.1  
02/04/95



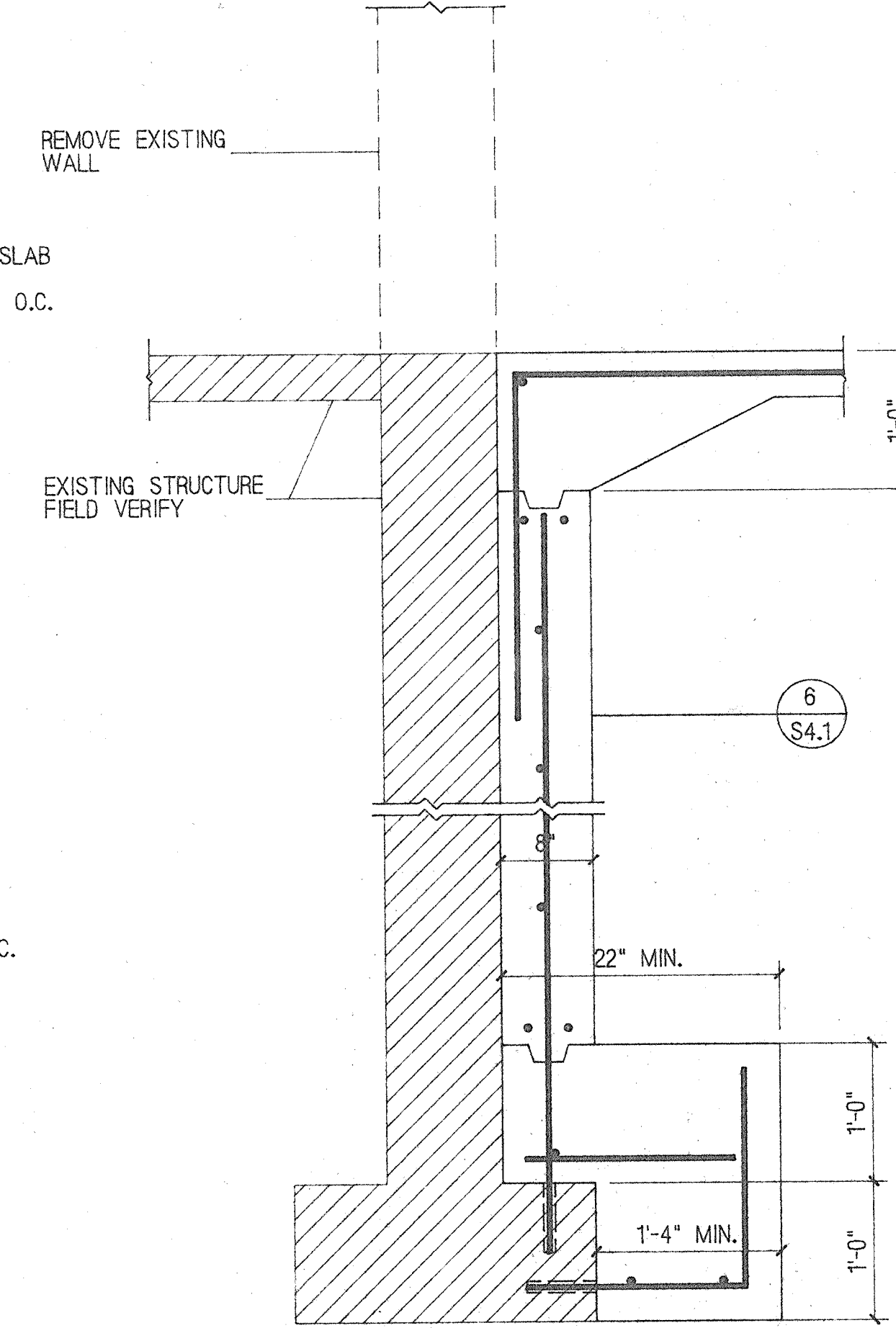
TYPICAL HOLDDOWN ANCHOR DETAIL  
NO SCALE  
10 S4.1  
02/04/95



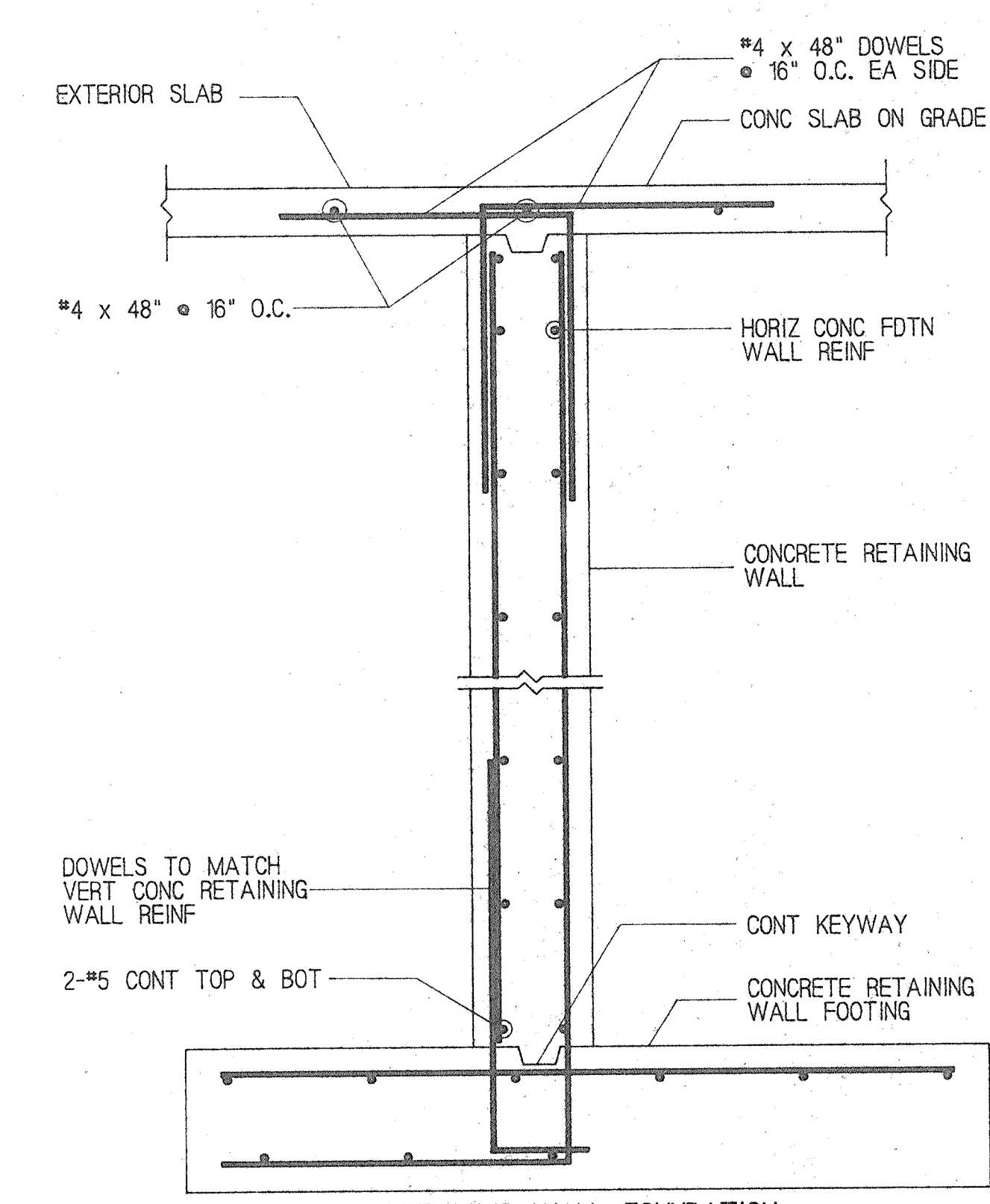
TYPICAL MASONRY WALL W/ VENEER AT CONCRETE RETAINING WALL FOUNDATION  
NO SCALE  
11 S4.1  
02/04/95



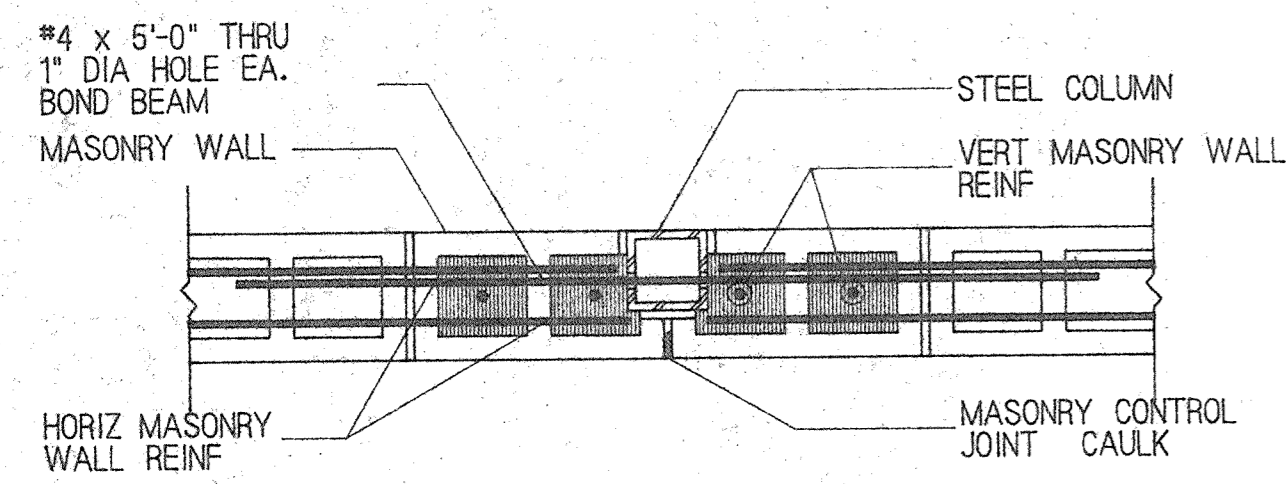
NEW CONC FDTN WALL AT EXISTING WALL  
NO SCALE  
12 S4.1  
02/04/95



NEW CONC FDTN WALL AT EXISTING WALL  
NO SCALE  
13 S4.1  
02/04/95

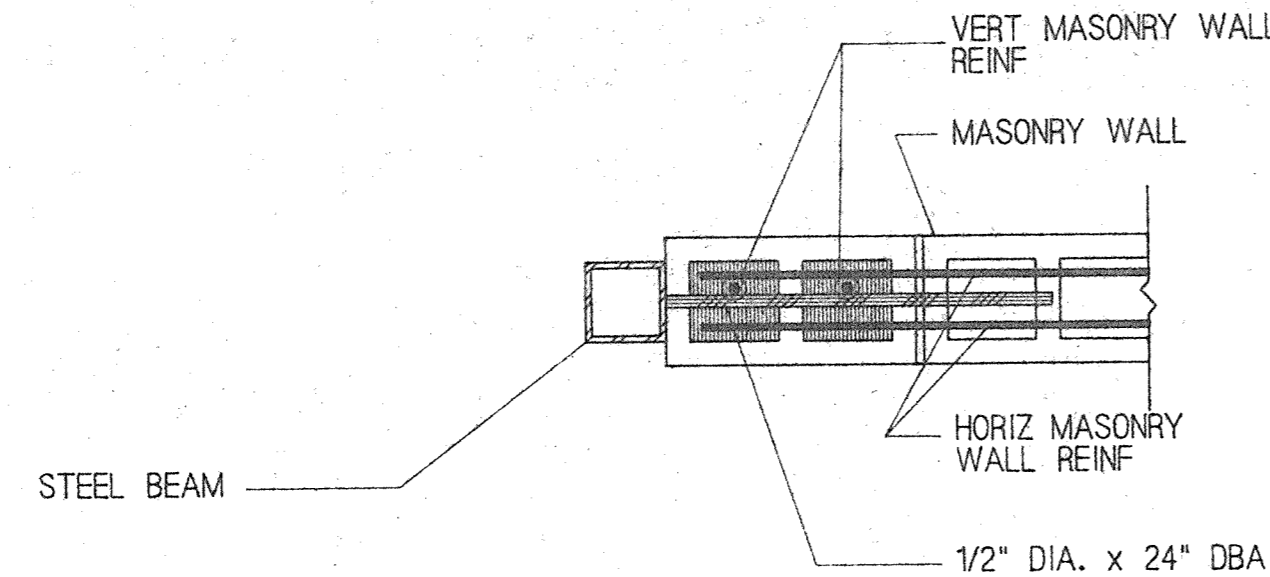


TYP CONCRETE RETAINING WALL FOUNDATION AT DOORWAY  
NO SCALE  
14 S4.1  
02/04/95

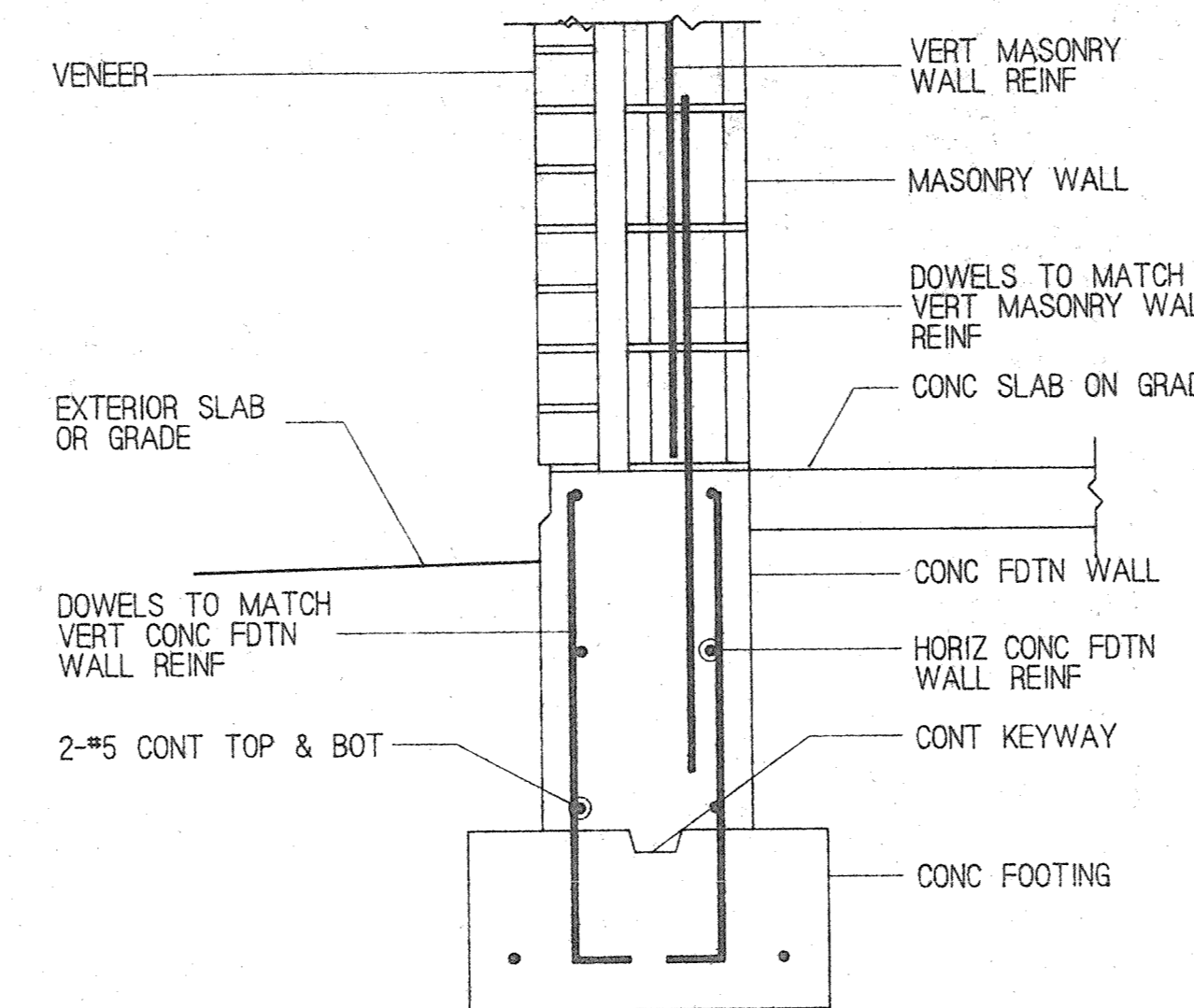


NOTE:  
WHERE COLUMN IS LOCATED AT END  
OF WALL, USE 2-#2 DIA. x 24\"/>

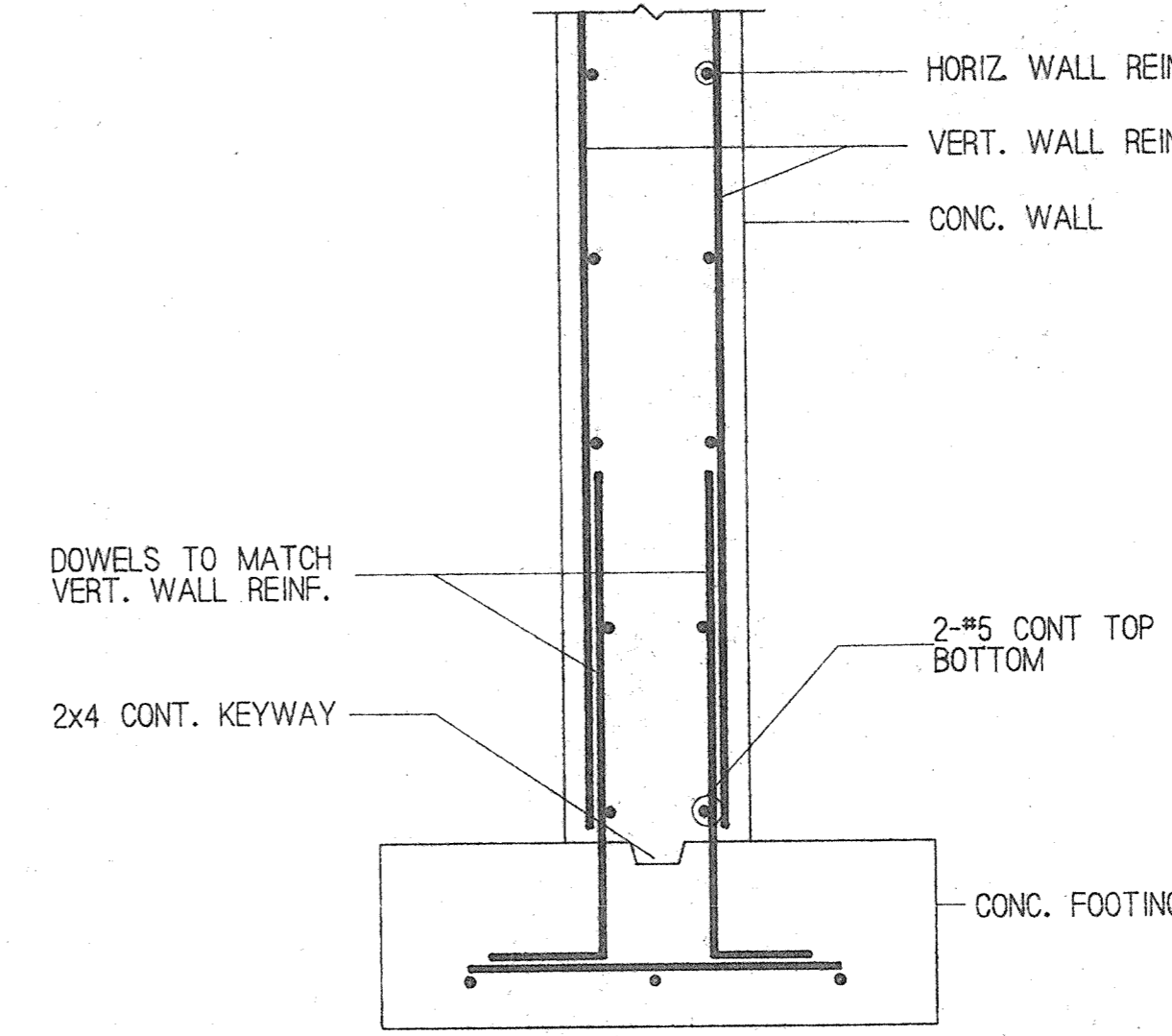
TYPICAL STEEL COLUMN IN MASONRY WALL  
NO SCALE



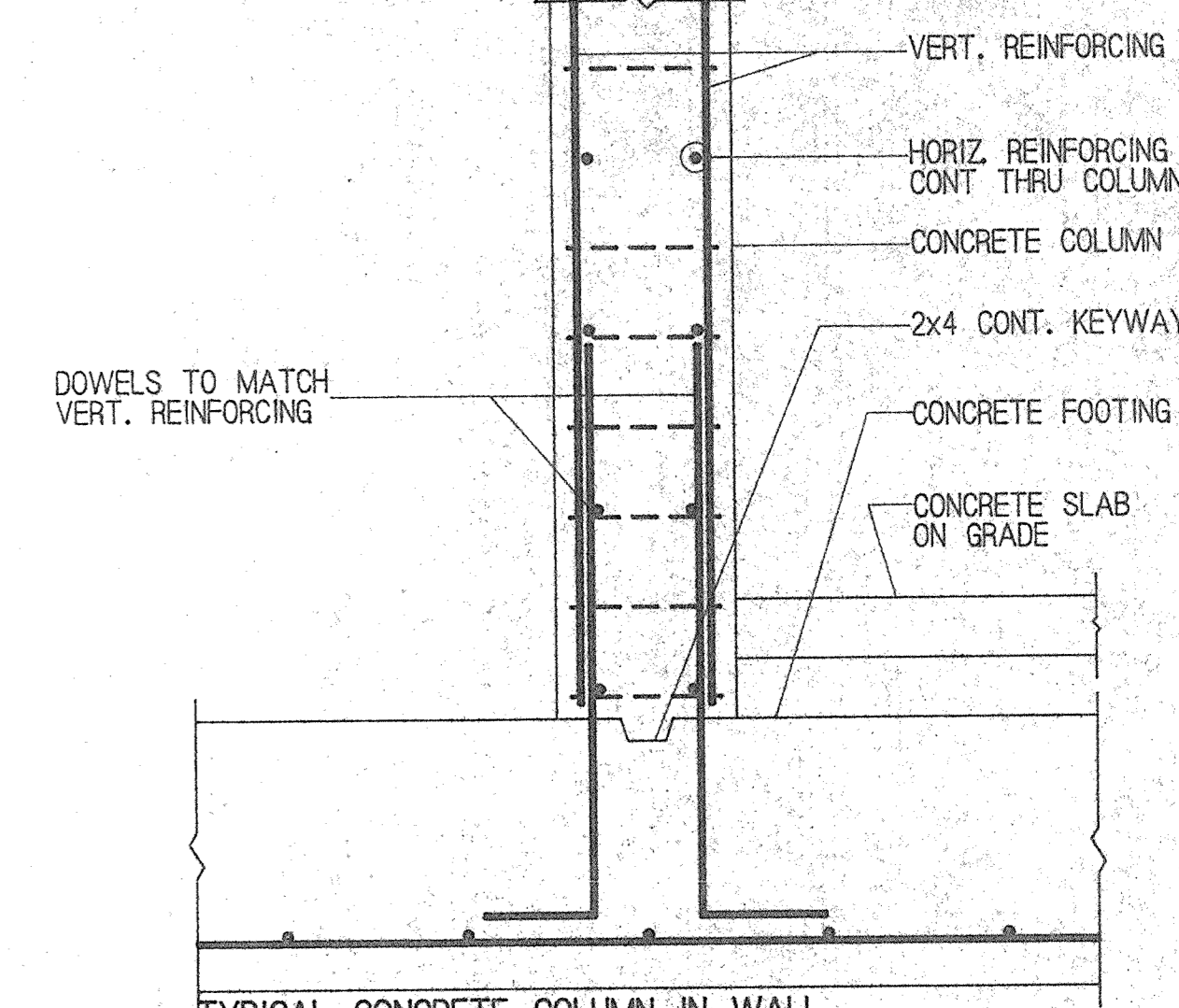
STEEL COLUMN AT MASONRY WALL  
NO SCALE



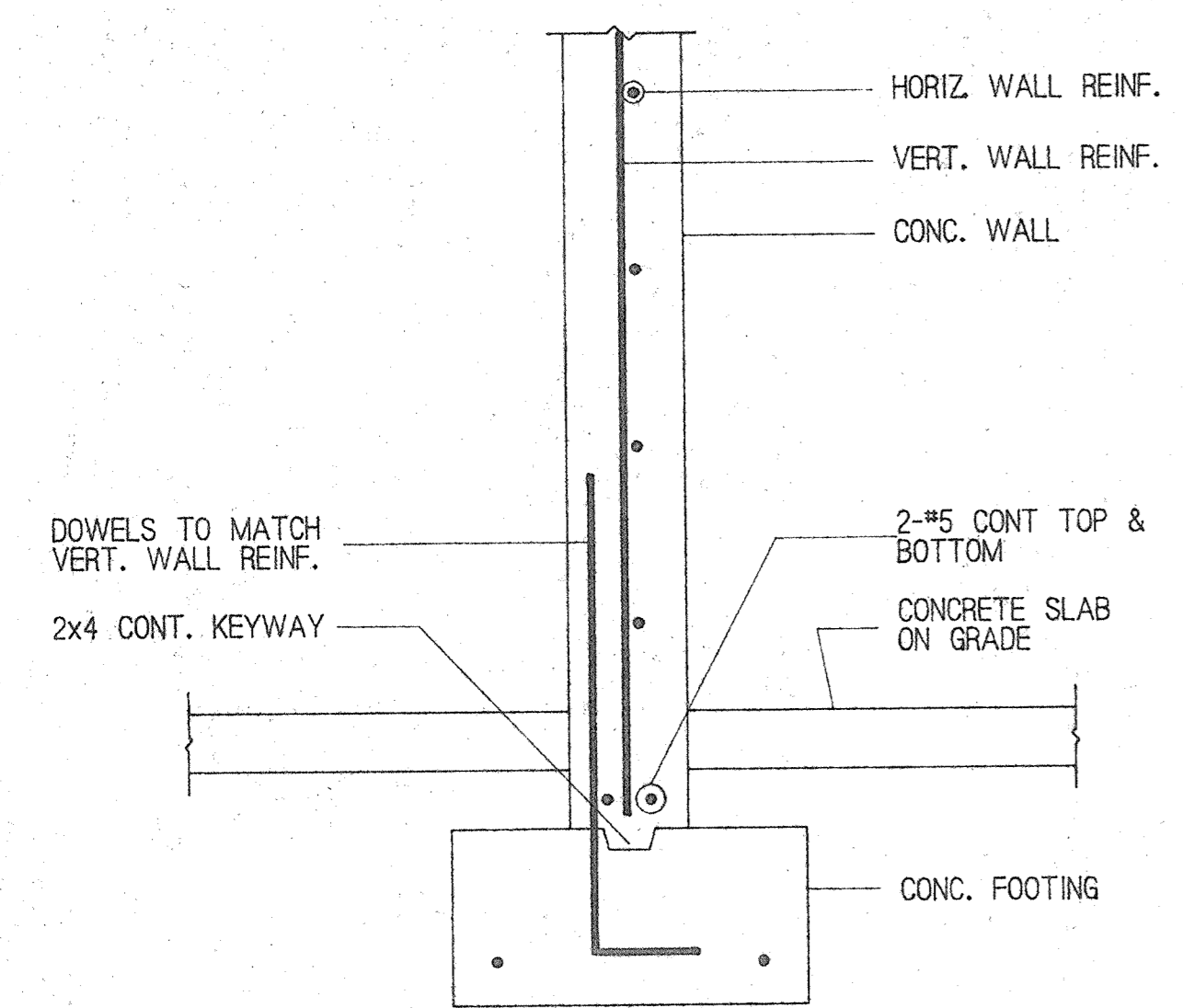
TYPICAL MASONRY WALL W/ VENEER AT  
CONCRETE FOUNDATION WALL  
NO SCALE



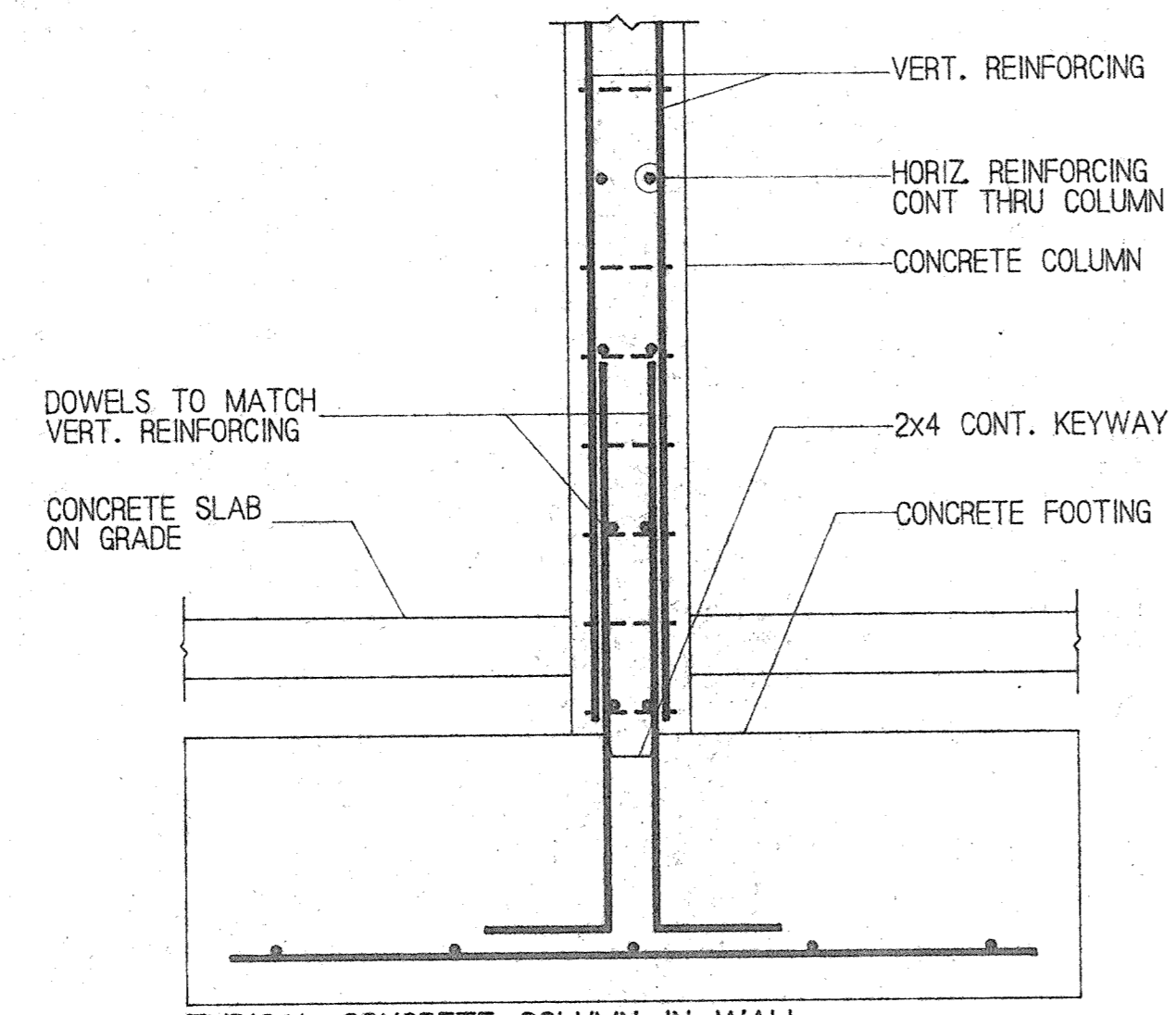
TYPICAL CONCRETE WALL  
AT CONCRETE FOOTING  
NO SCALE



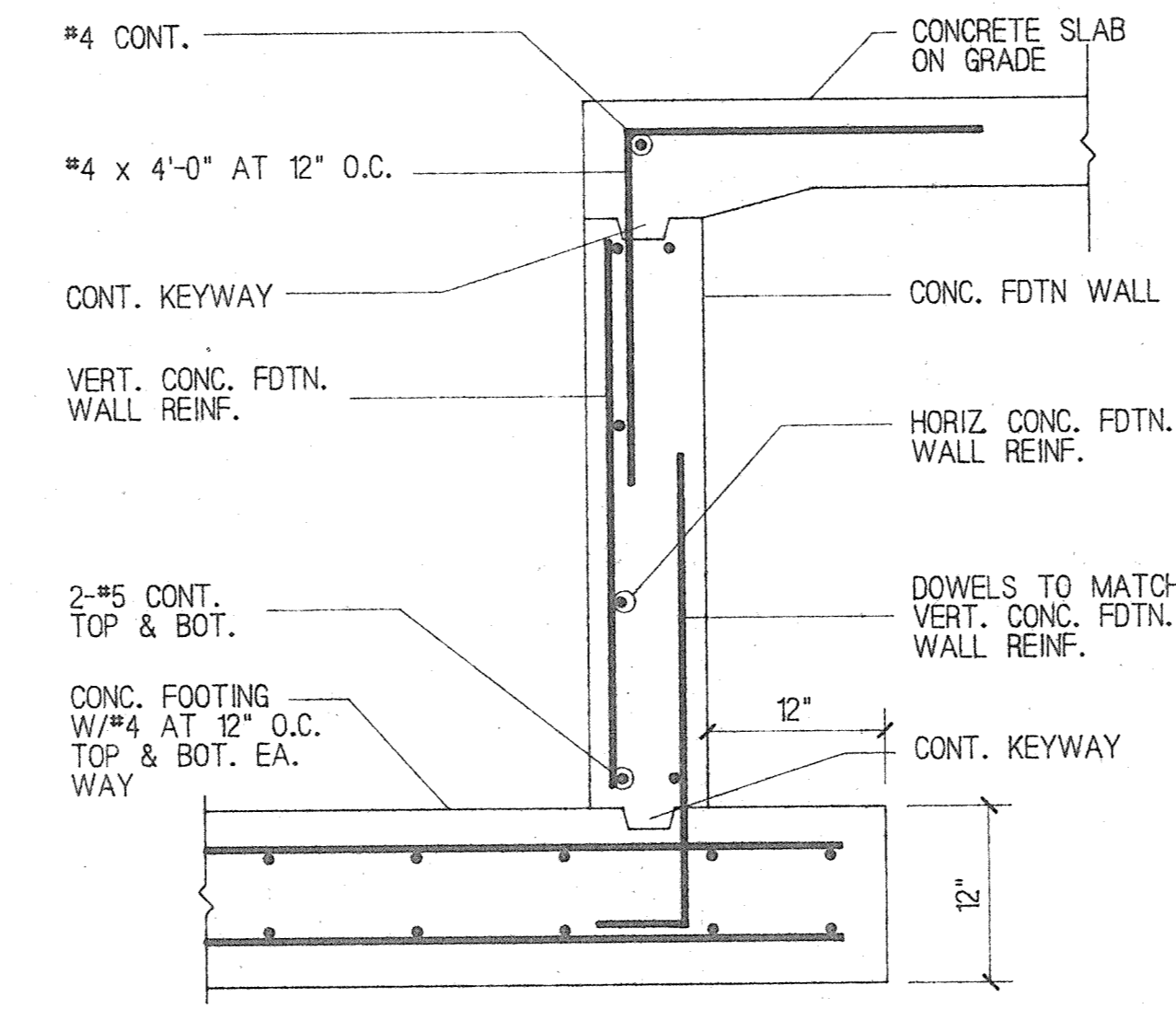
TYPICAL CONCRETE COLUMN IN WALL  
AT CONCRETE FOOTING  
NO SCALE



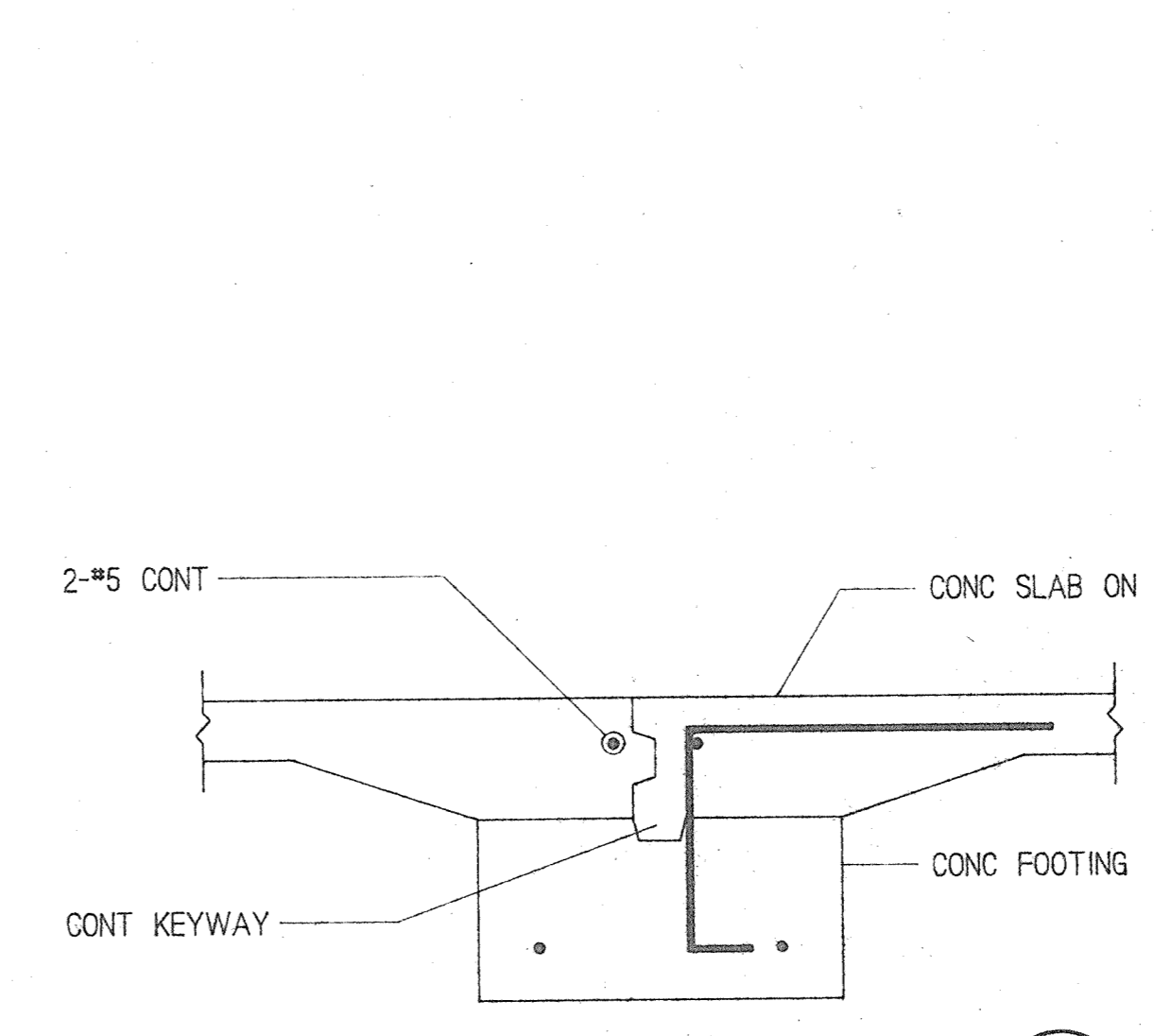
TYPICAL CONCRETE WALL  
AT CONCRETE FOOTING  
NO SCALE



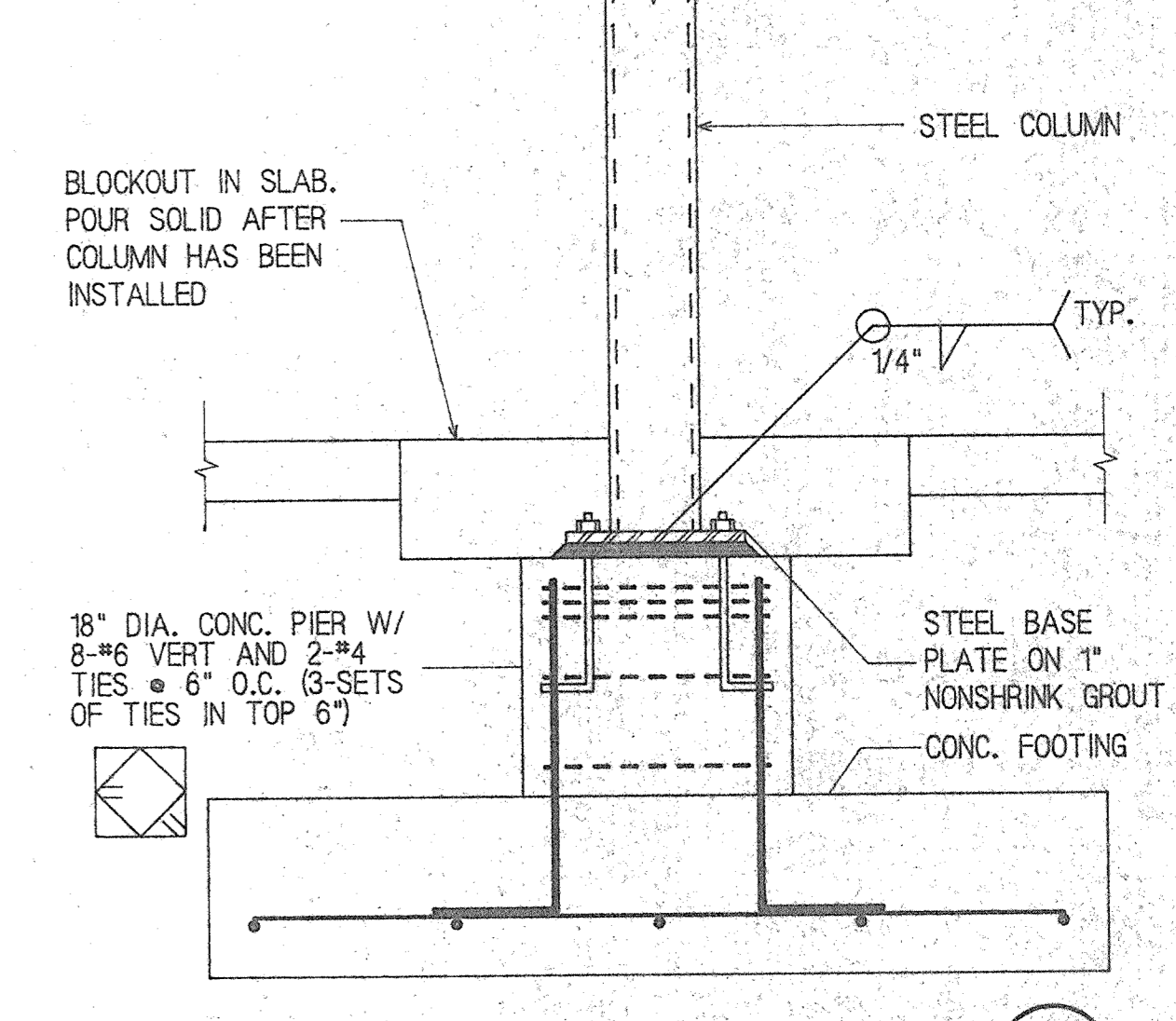
TYPICAL CONCRETE COLUMN IN WALL  
AT CONCRETE FOOTING  
NO SCALE



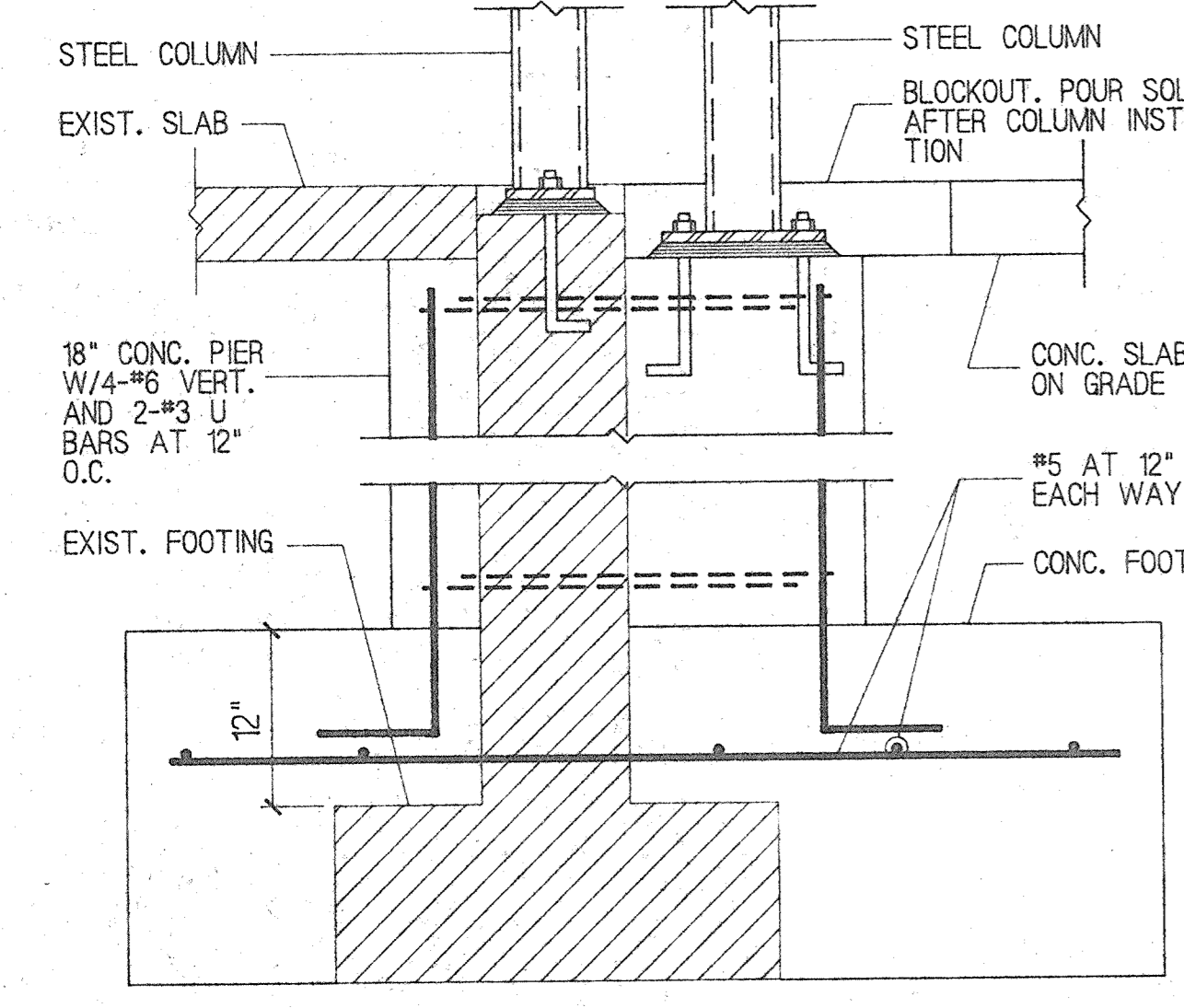
TYPICAL ELEVATOR PIT DETAIL  
NO SCALE



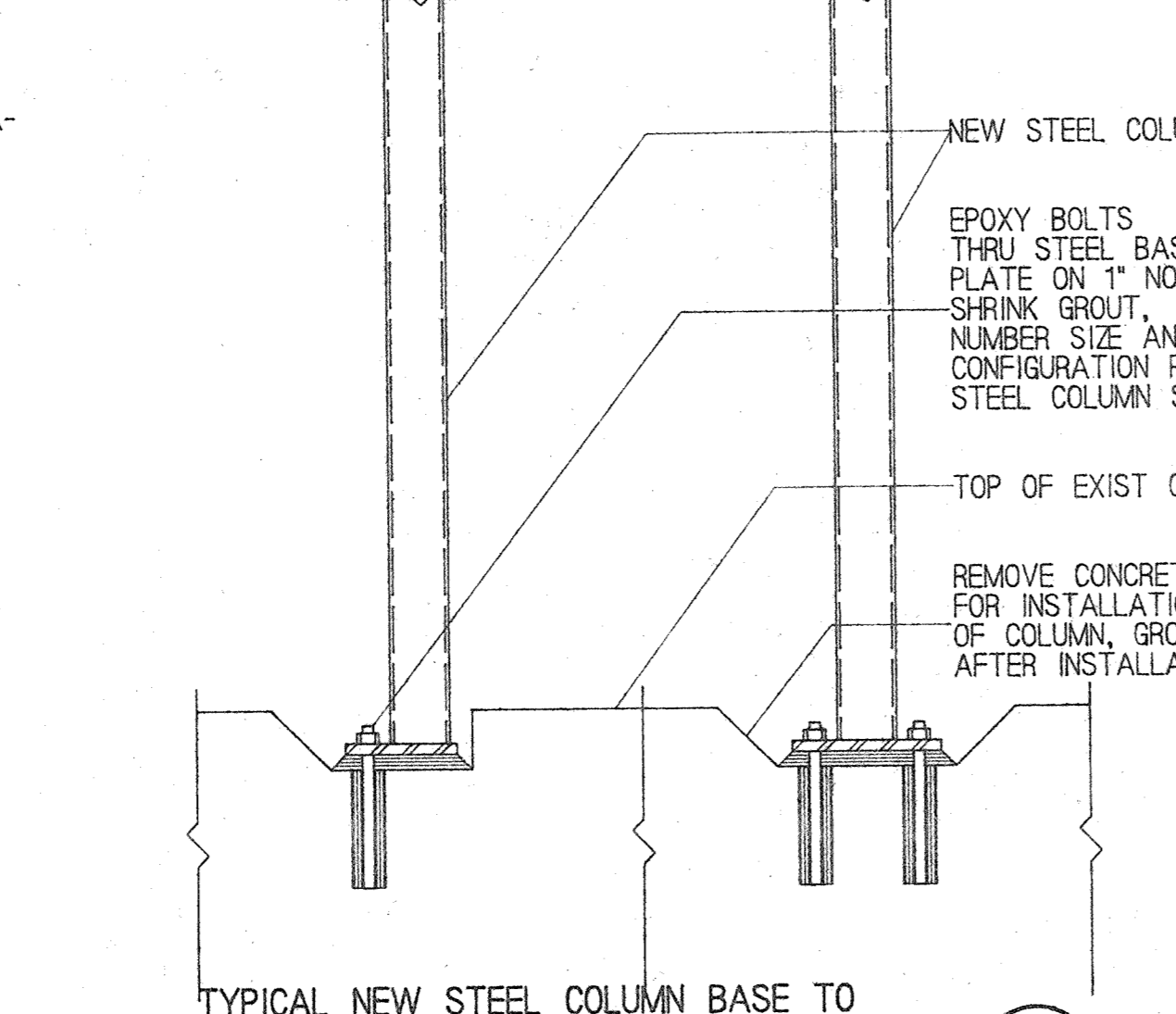
TYPICAL SLAB AT INTERIOR DOORWAY  
NO SCALE



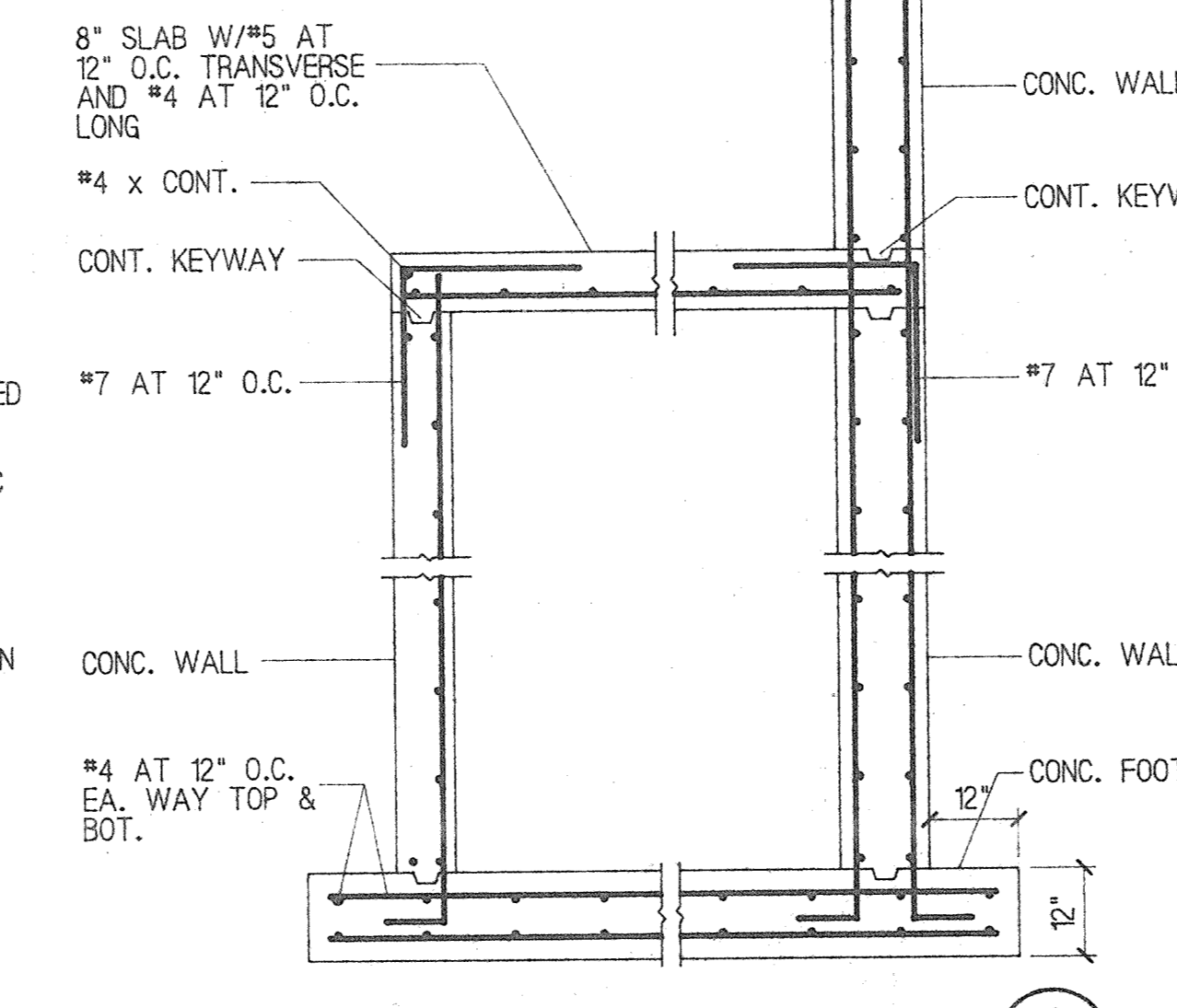
TYPICAL STEEL COLUMN BASE AT DEEP FTNG  
NO SCALE



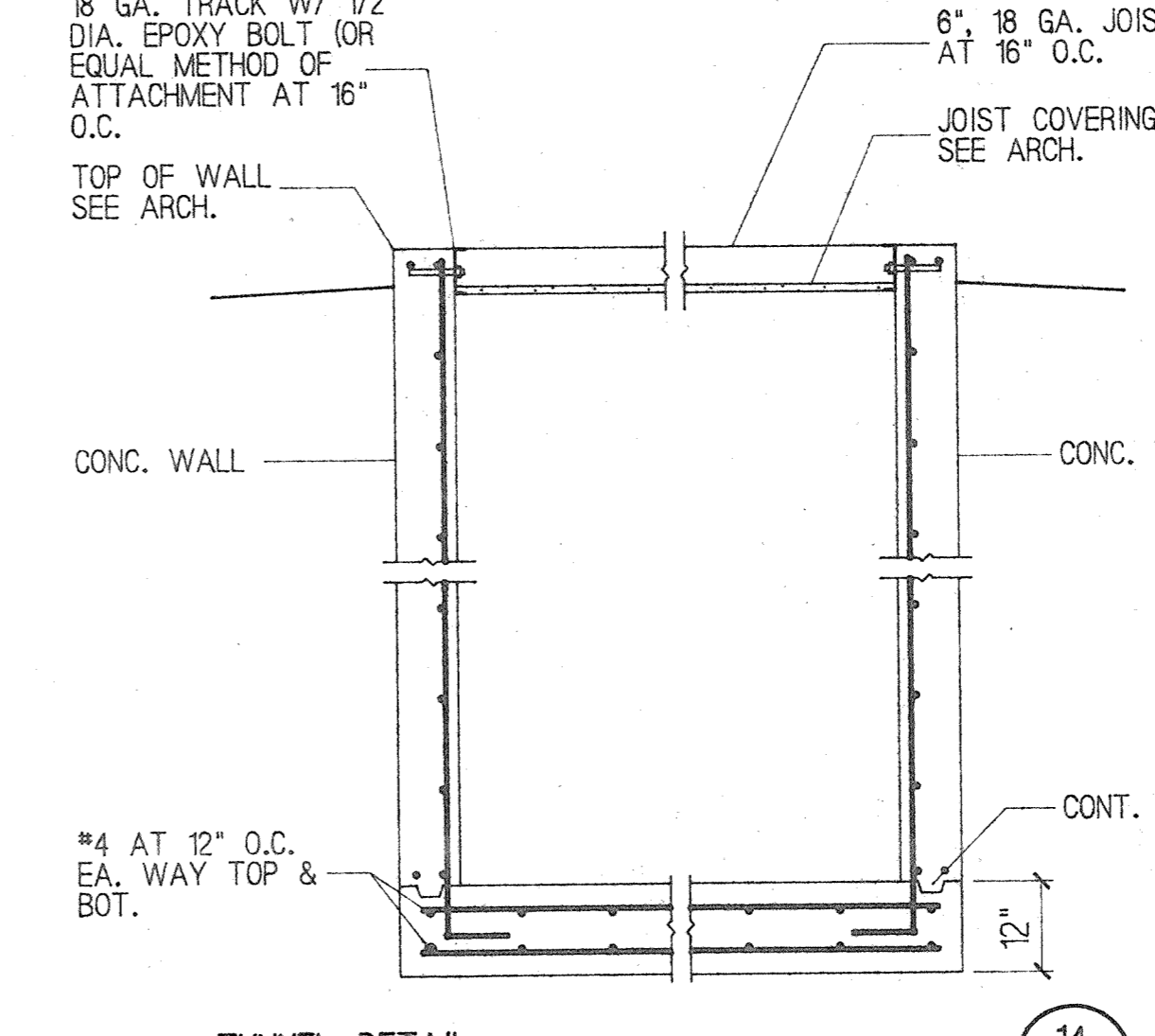
NEW COLUMN AT EXISTING STRUCTURE  
NO SCALE



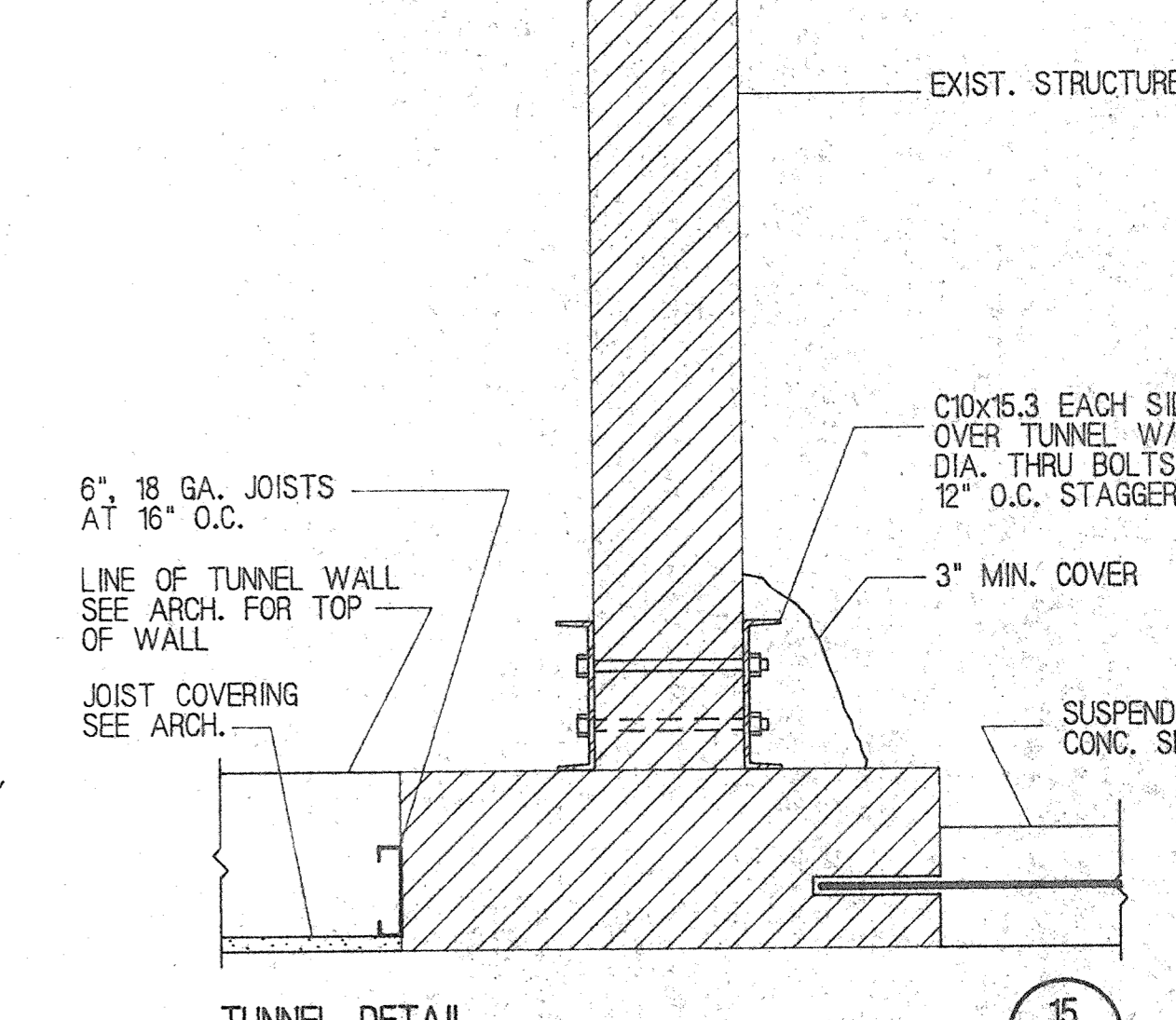
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EXISTING FOUNDATIONS  
NO SCALE



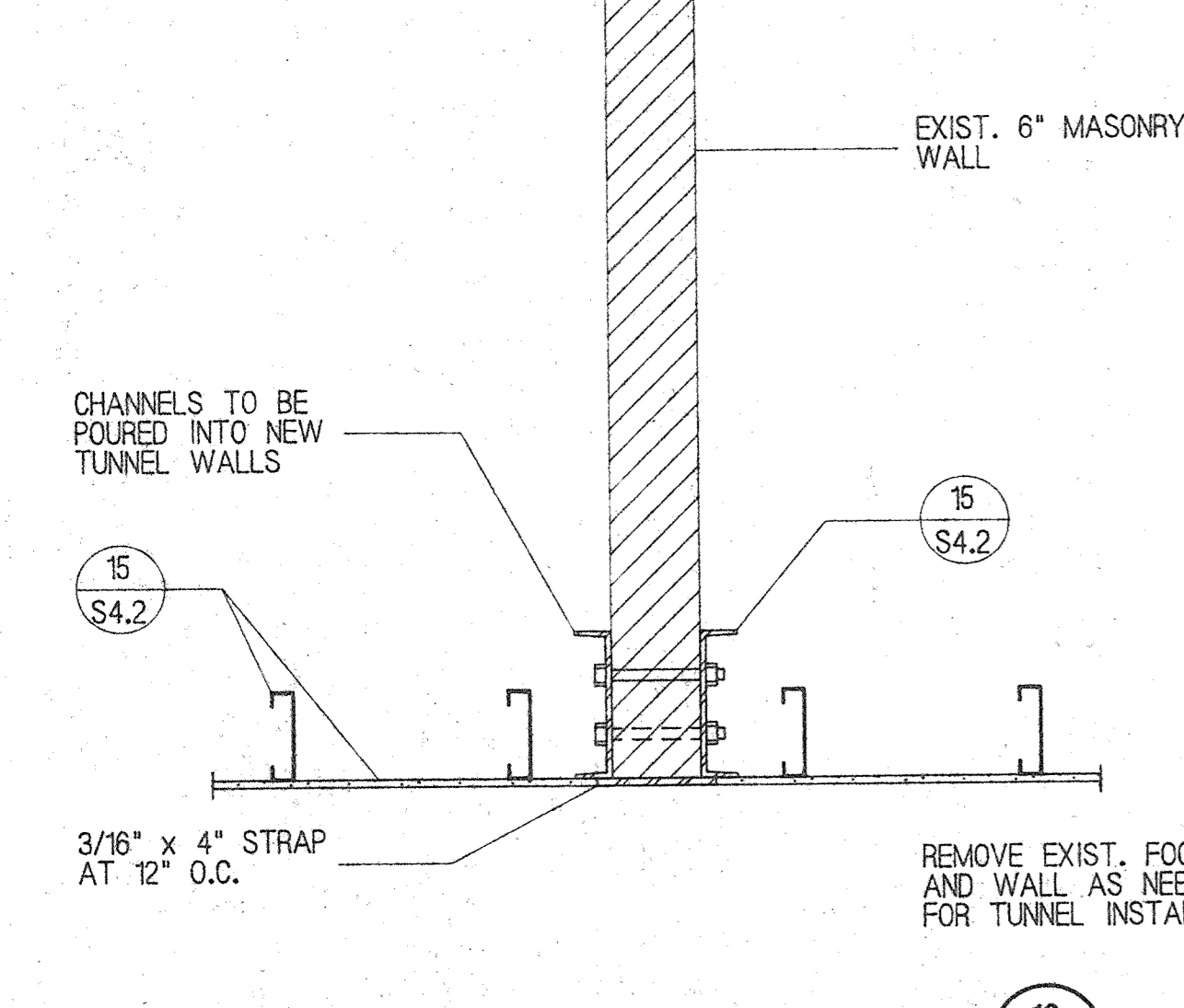
TUNNEL DETAIL  
NO SCALE



TUNNEL DETAIL  
NO SCALE



TUNNEL DETAIL  
NO SCALE



TUNNEL DETAIL  
NO SCALE

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REVISIONS

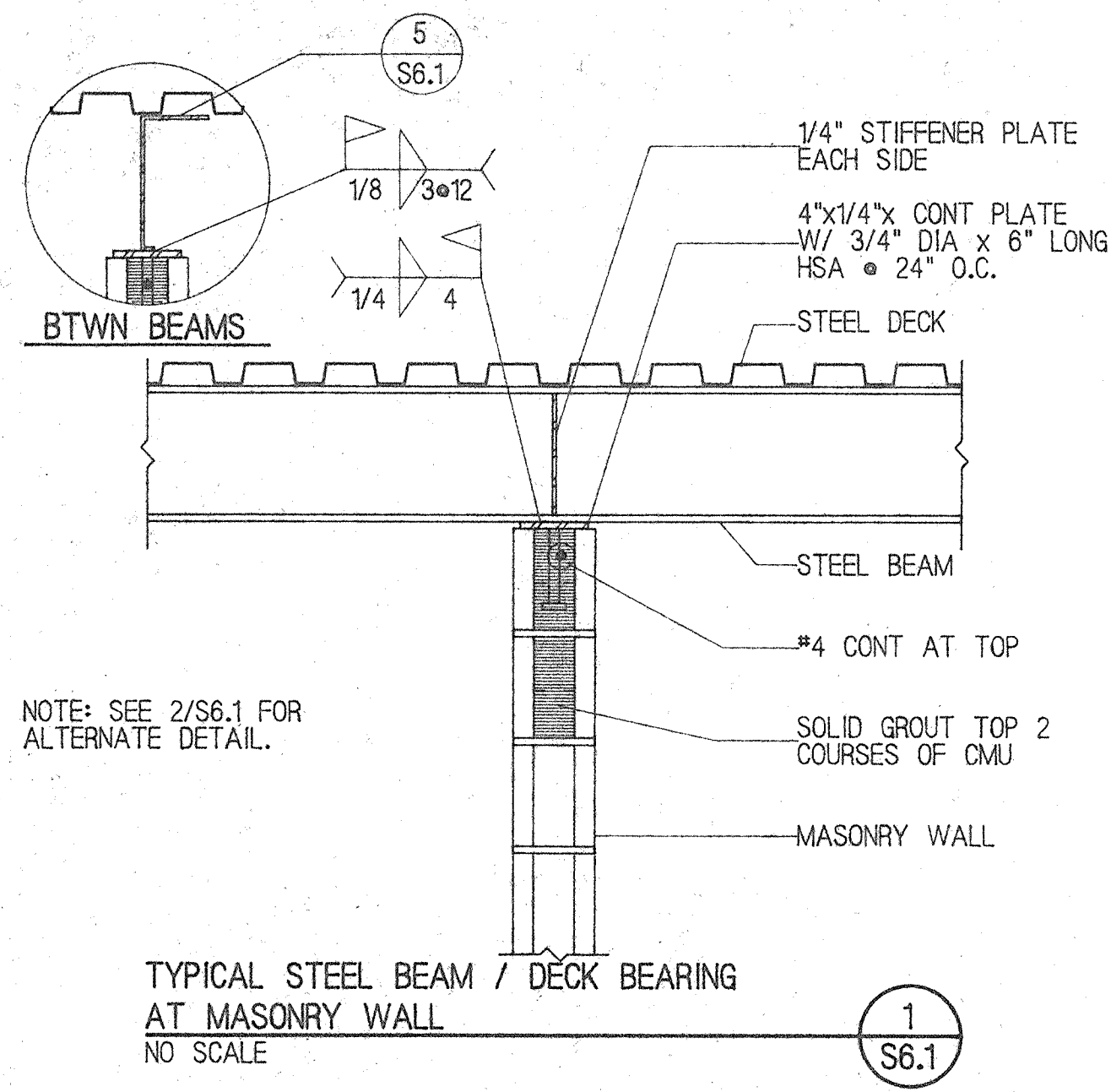
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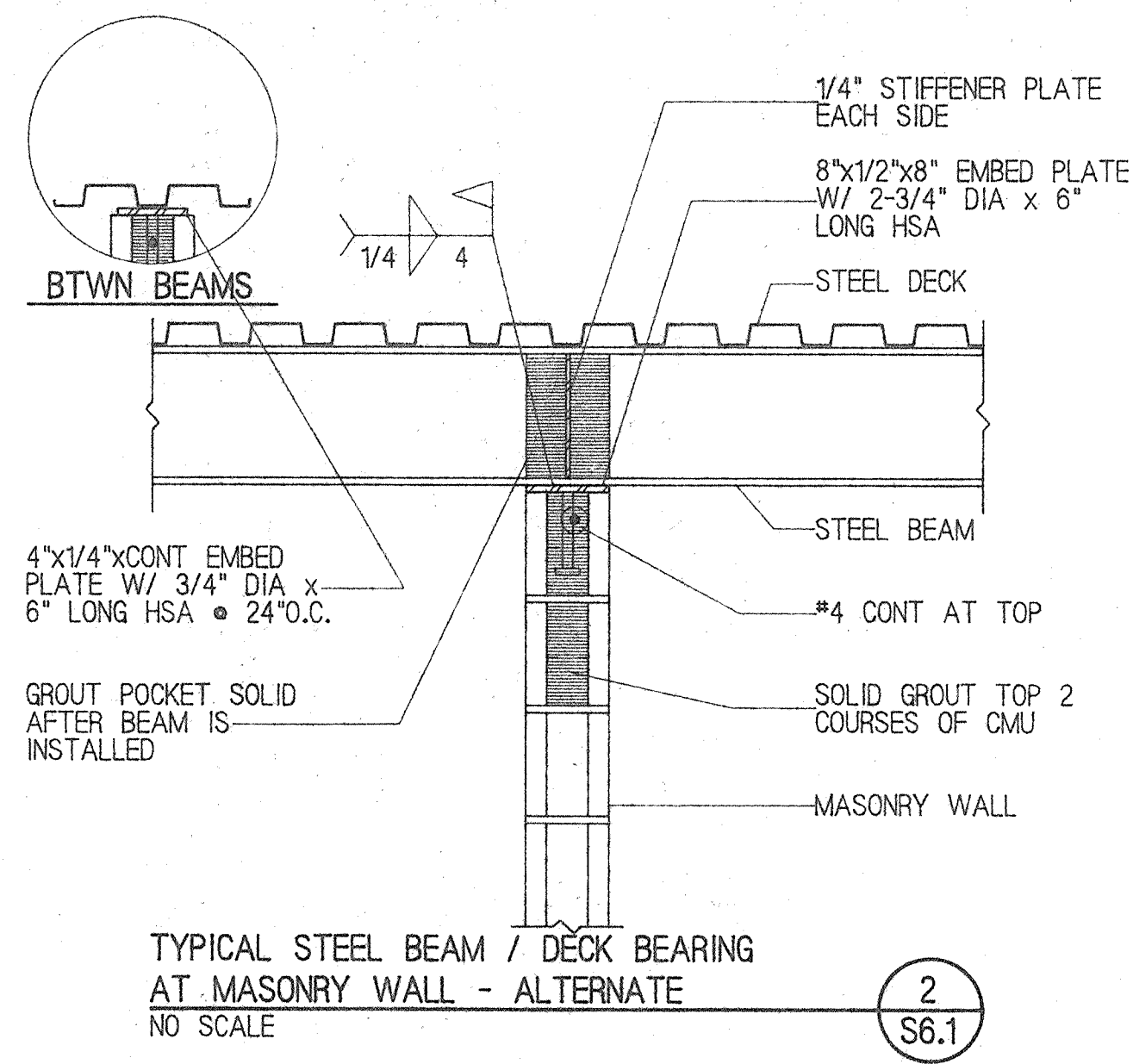
JCH Architects  
UNIVERSITY OF UTAH RESEARCH PARK  
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801-532-5500

S4.2

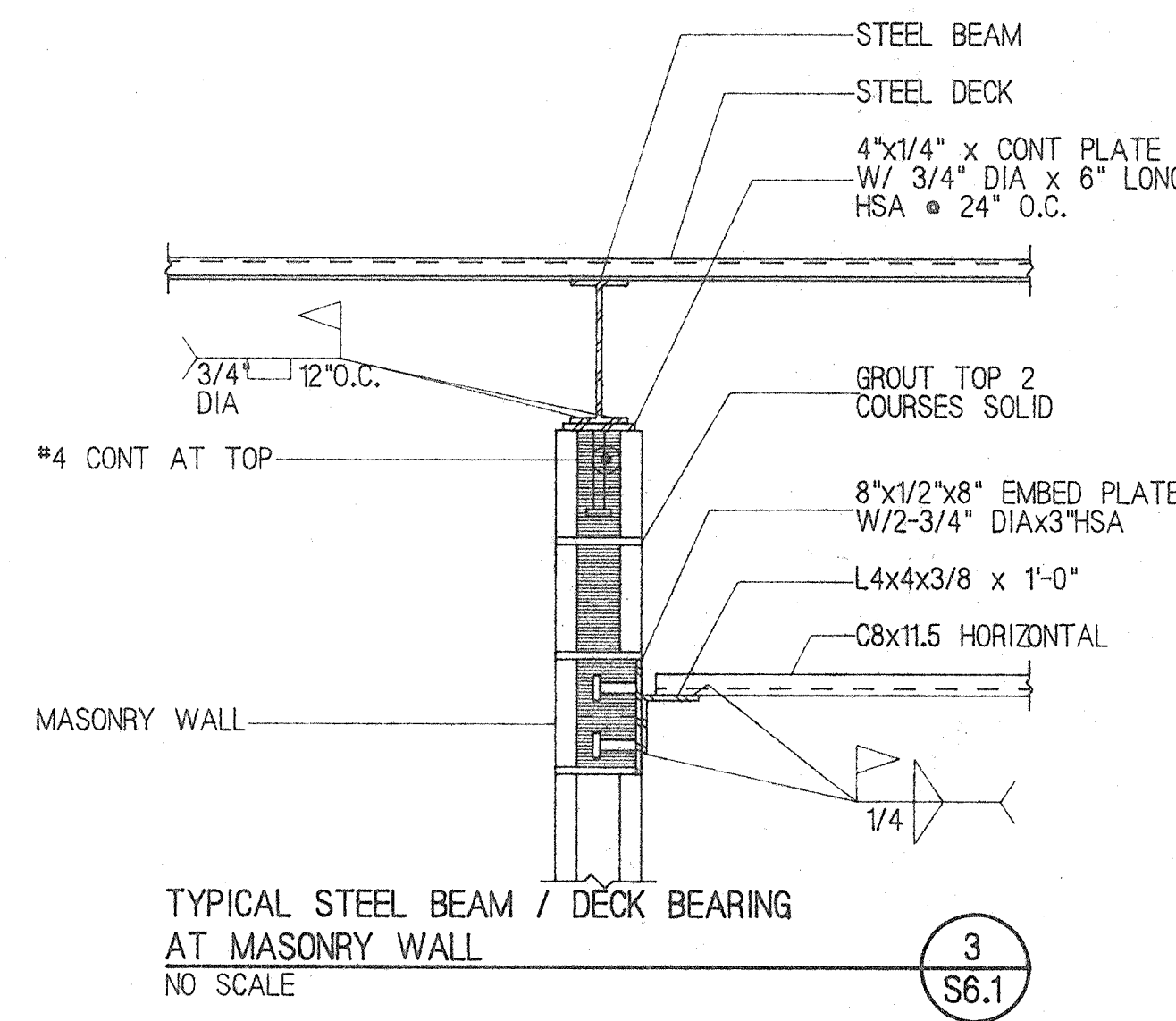




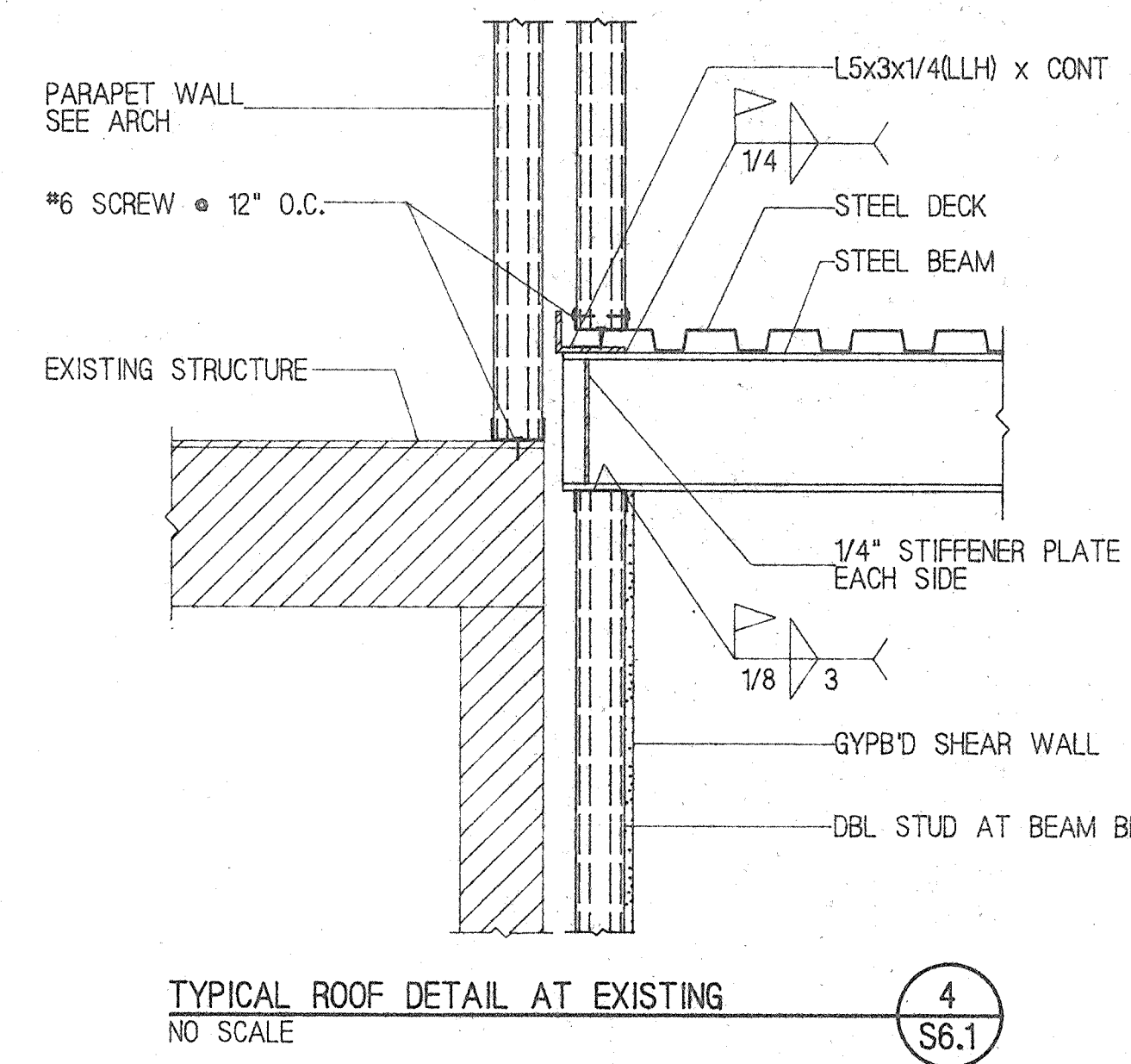
TYPICAL STEEL BEAM / DECK BEARING AT MASONRY WALL  
NO SCALE  
S6.1  
02/08/17



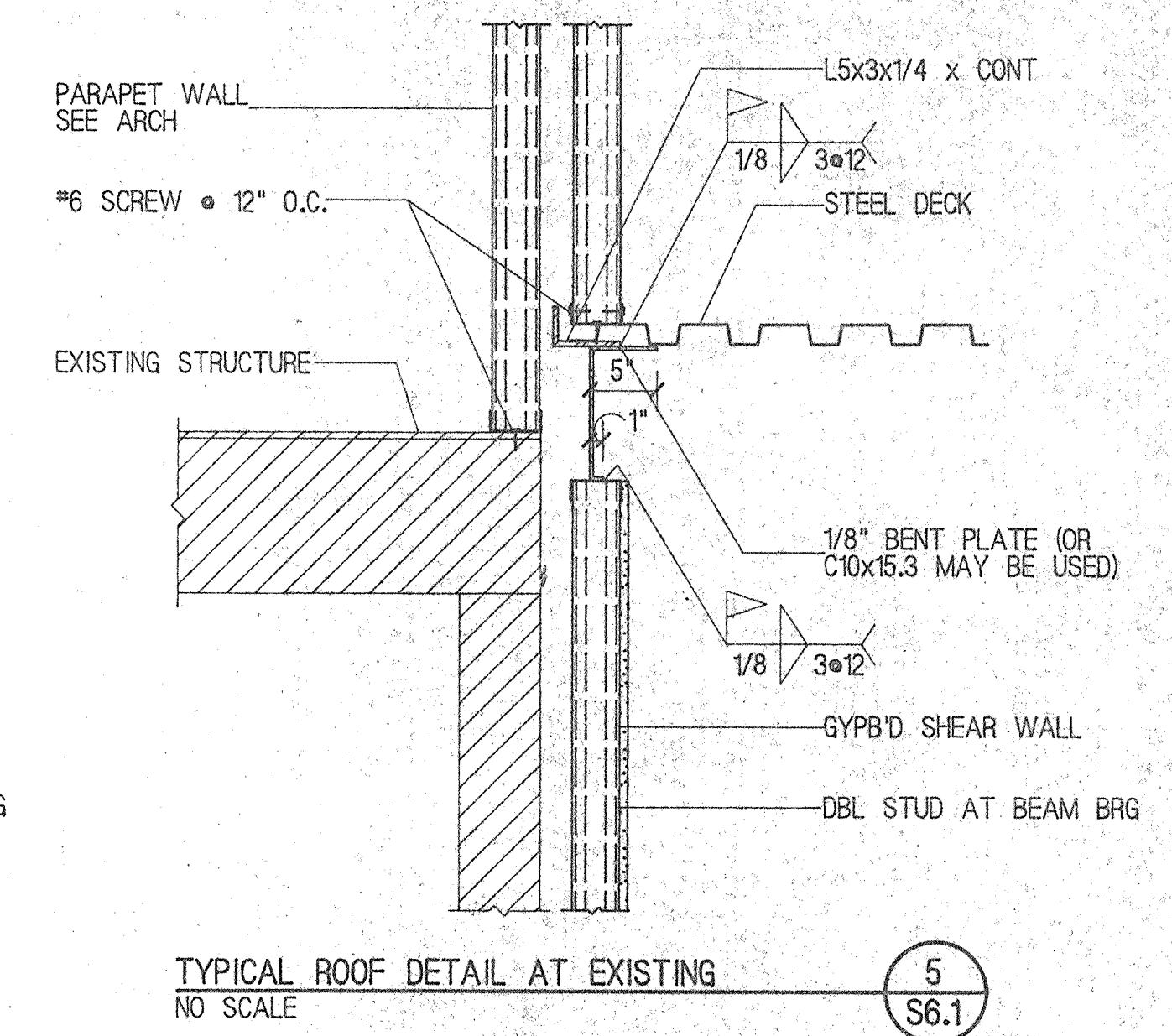
TYPICAL STEEL BEAM / DECK BEARING AT MASONRY WALL - ALTERNATE  
NO SCALE  
S6.1  
02/08/17



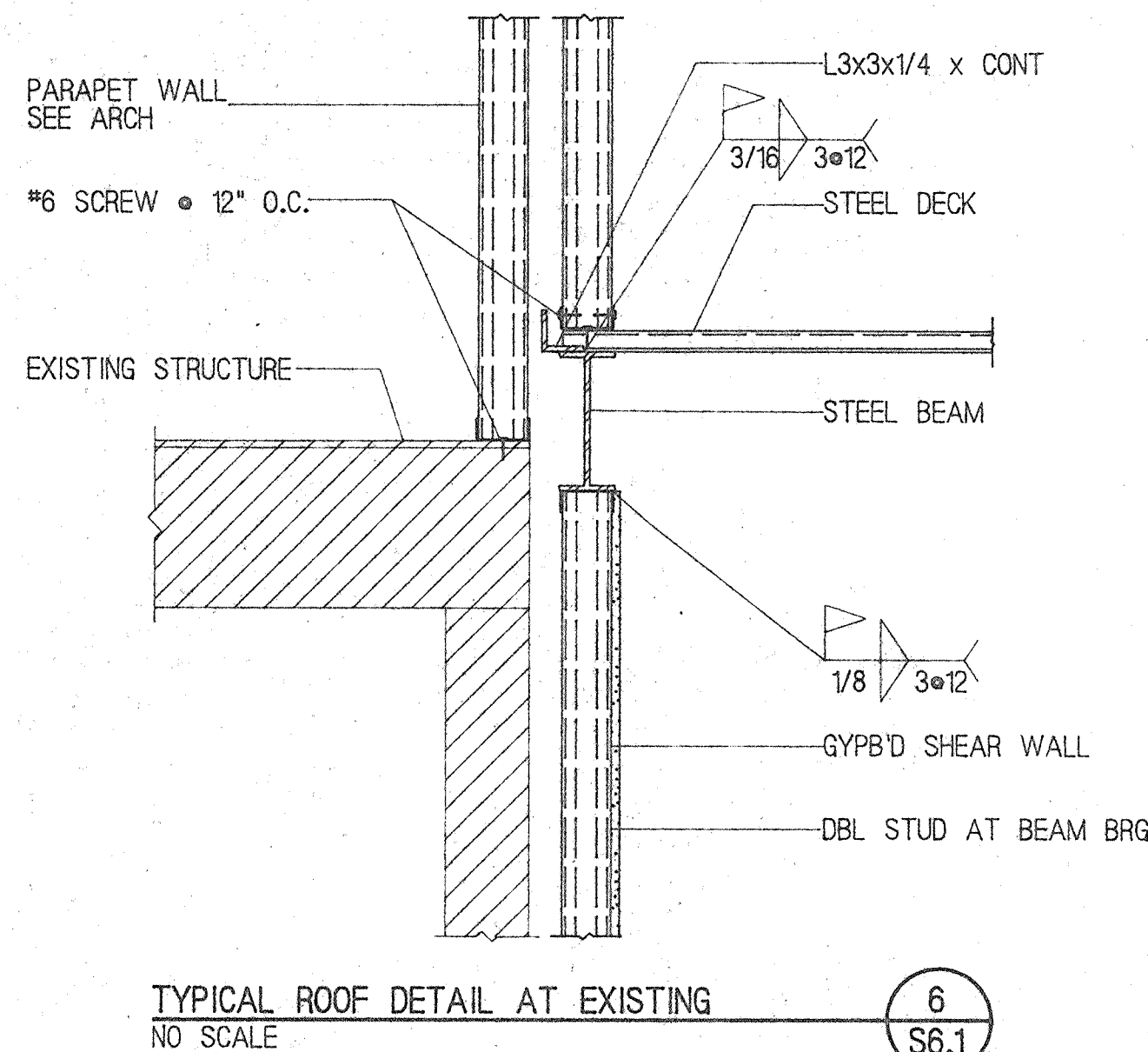
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NO SCALE  
S6.1  
02/08/17



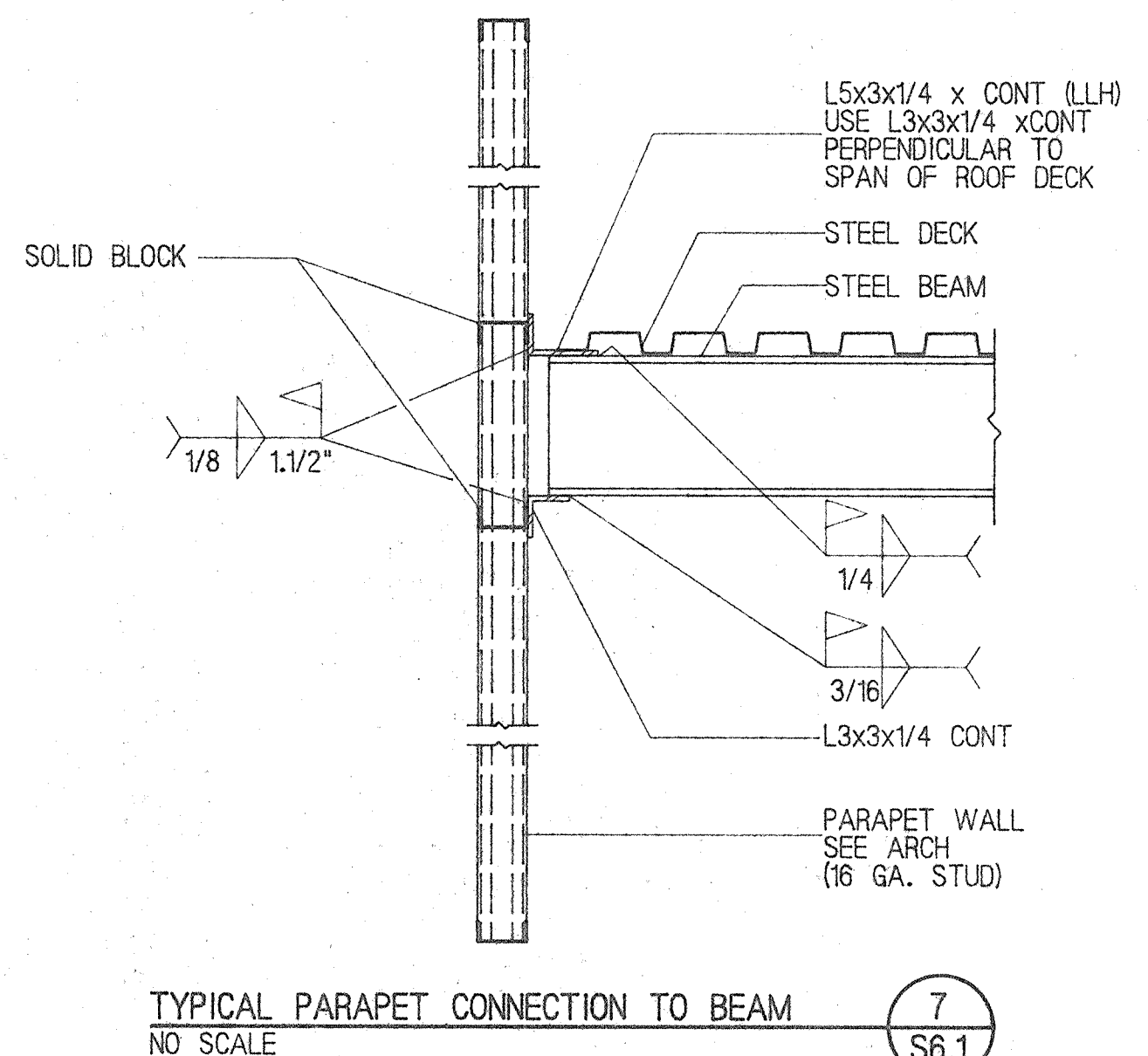
TYPICAL ROOF DETAIL AT EXISTING  
NO SCALE  
S6.1  
02/08/14



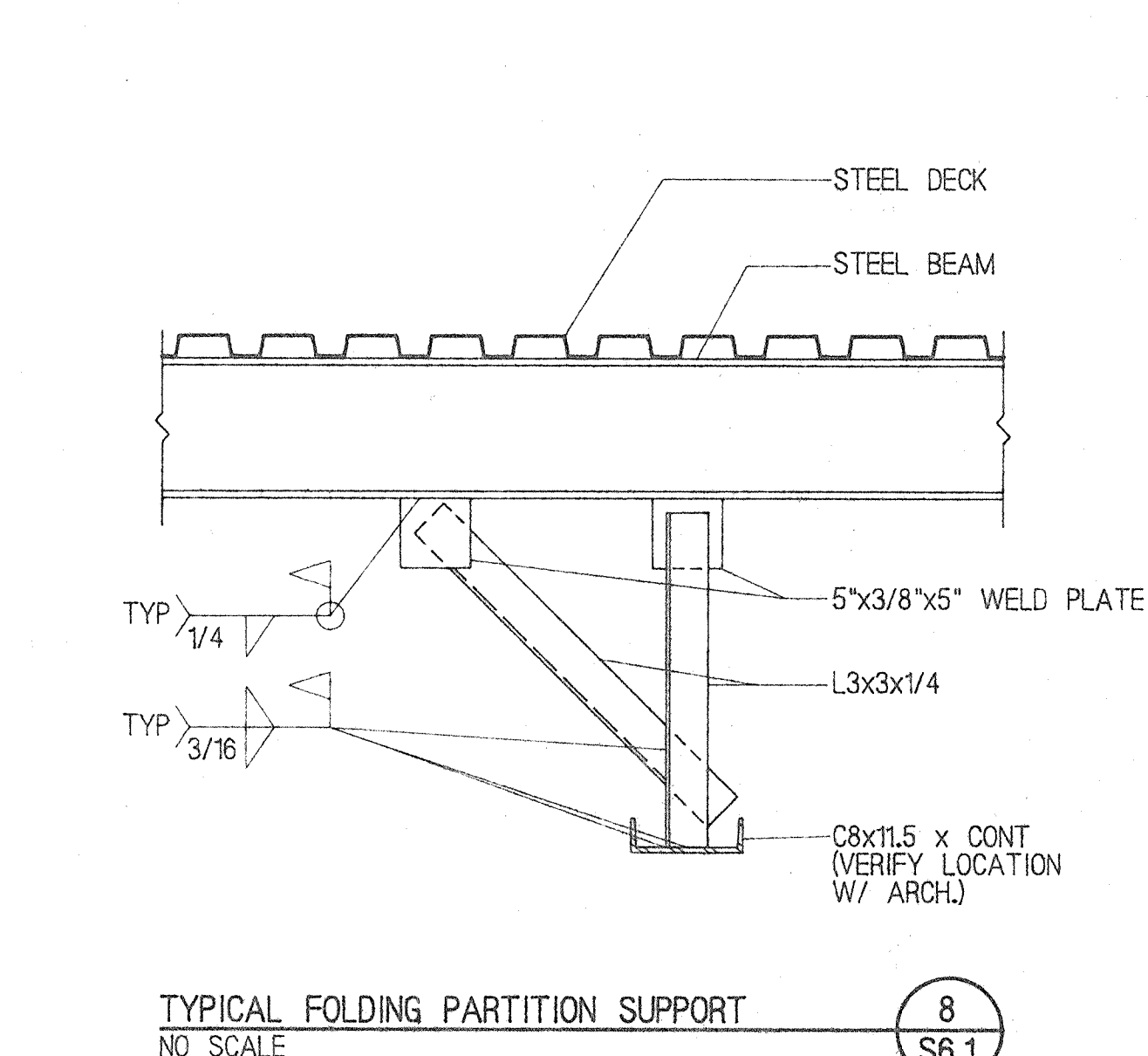
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NO SCALE  
S6.1  
02/08/15



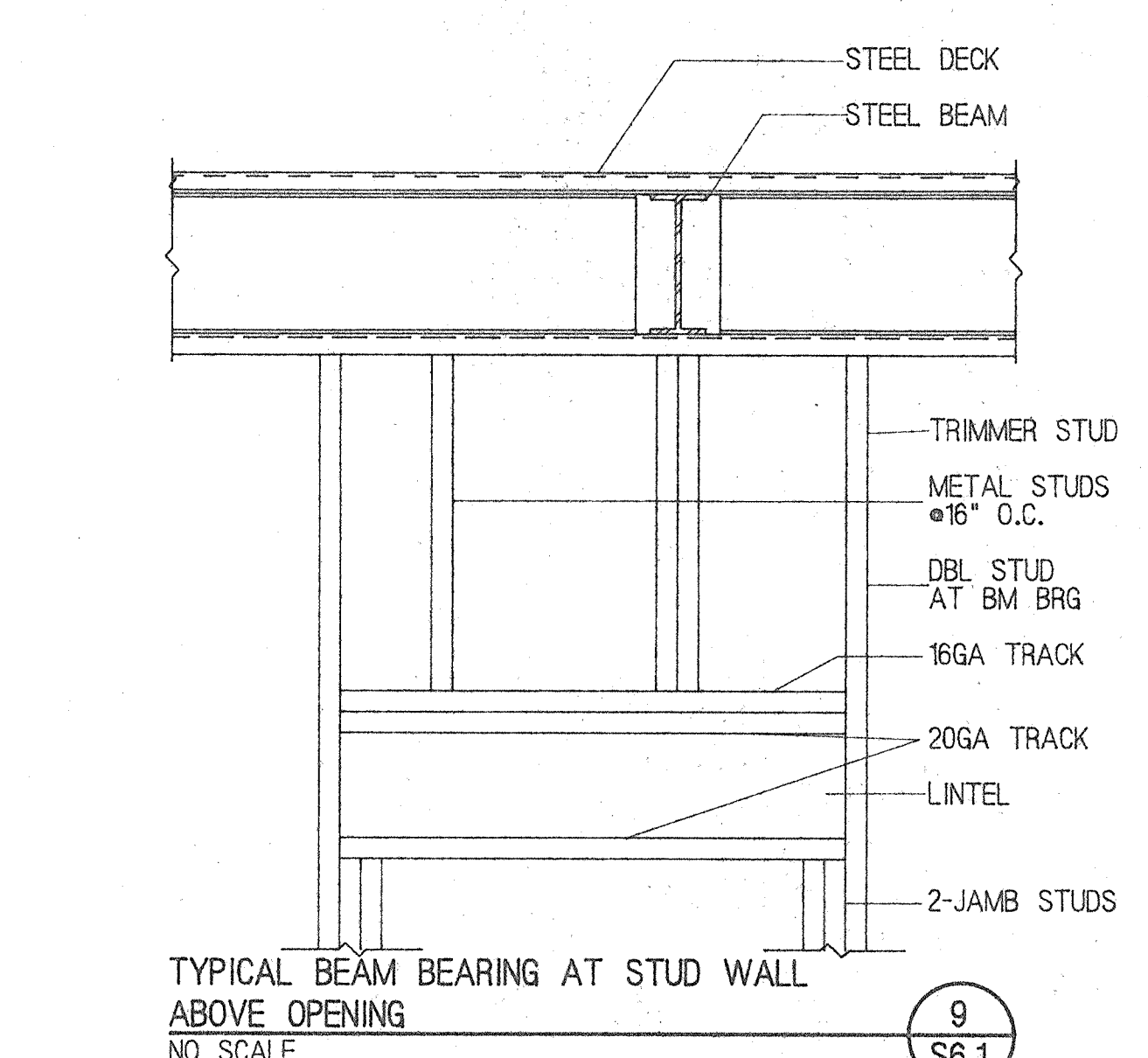
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S6.1  
02/08/17



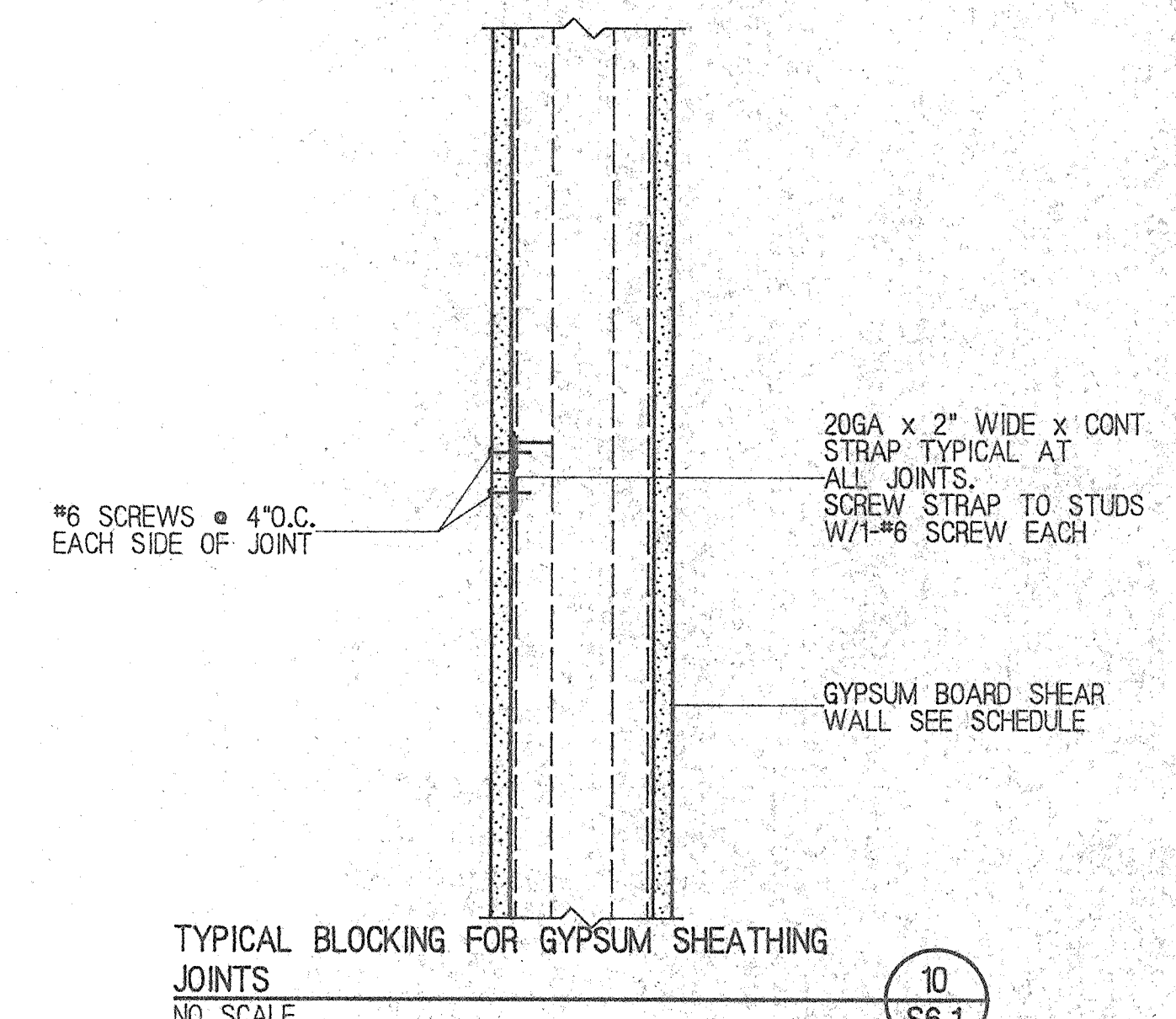
TYPICAL PARAPET CONNECTION TO BEAM  
NO SCALE  
S6.1  
02/08/17



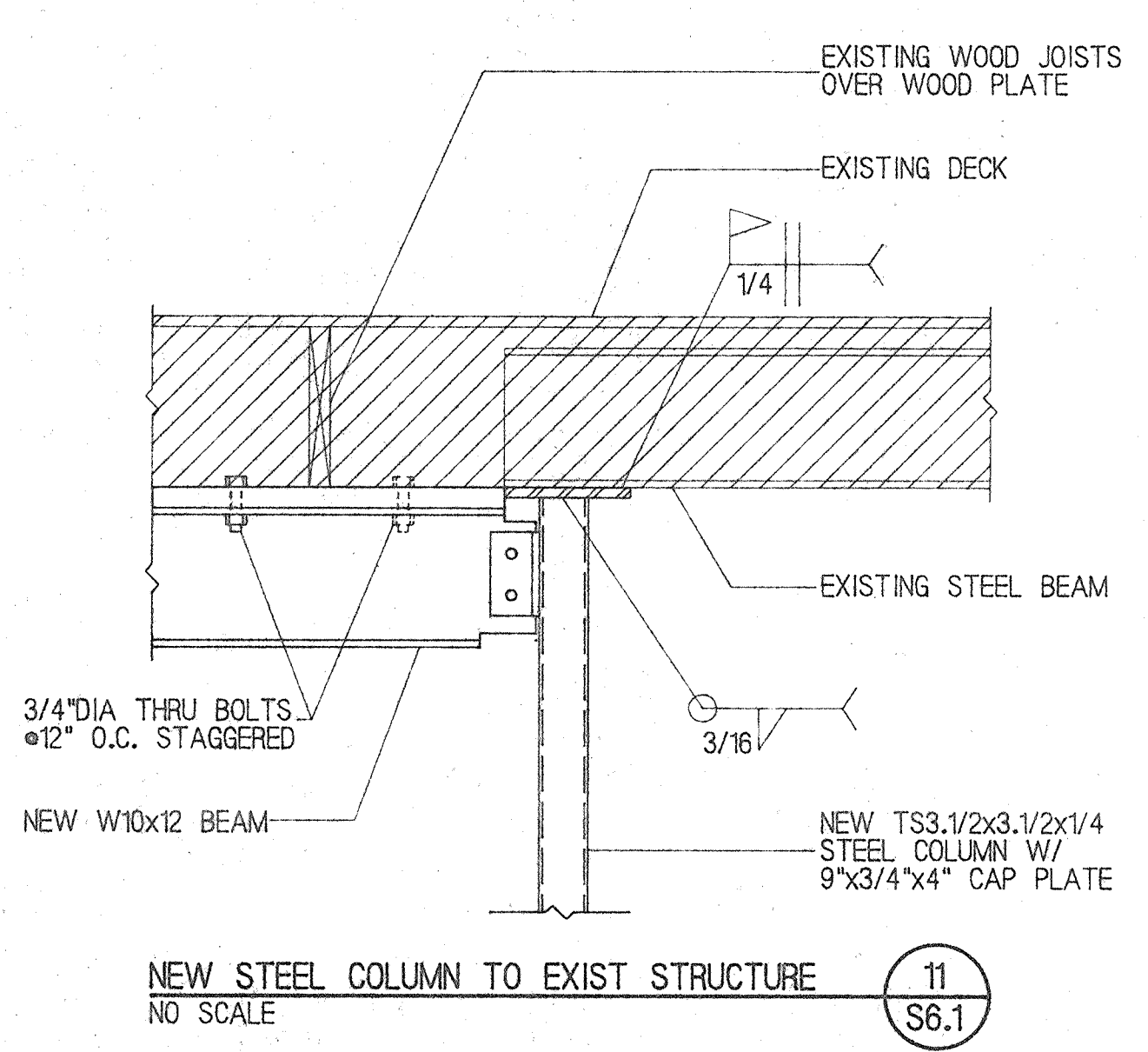
TYPICAL FOLDING PARTITION SUPPORT  
NO SCALE  
S6.1  
02/08/17



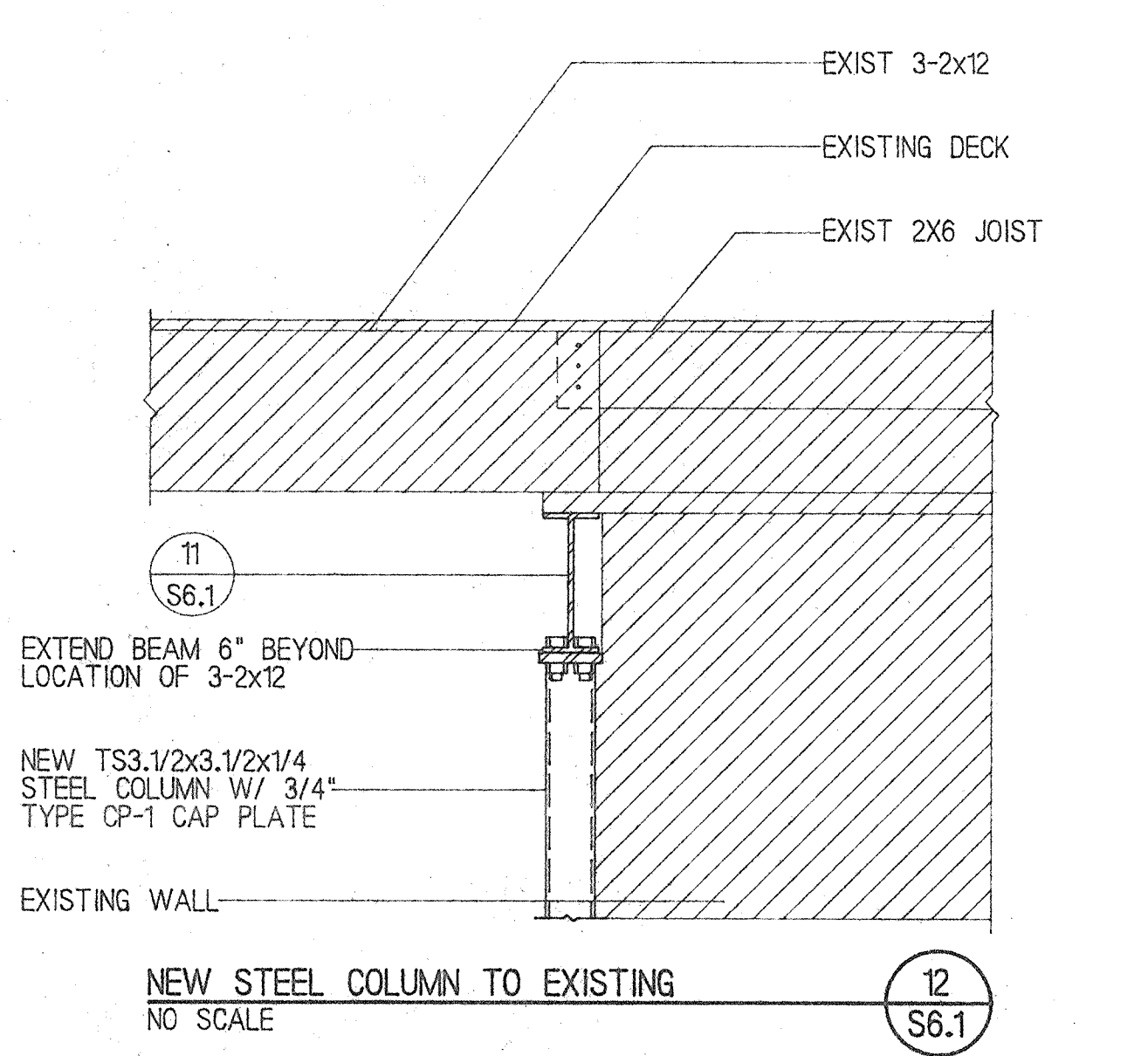
TYPICAL BEAM BEARING AT STUD WALL ABOVE OPENING  
NO SCALE  
S6.1  
02/08/17



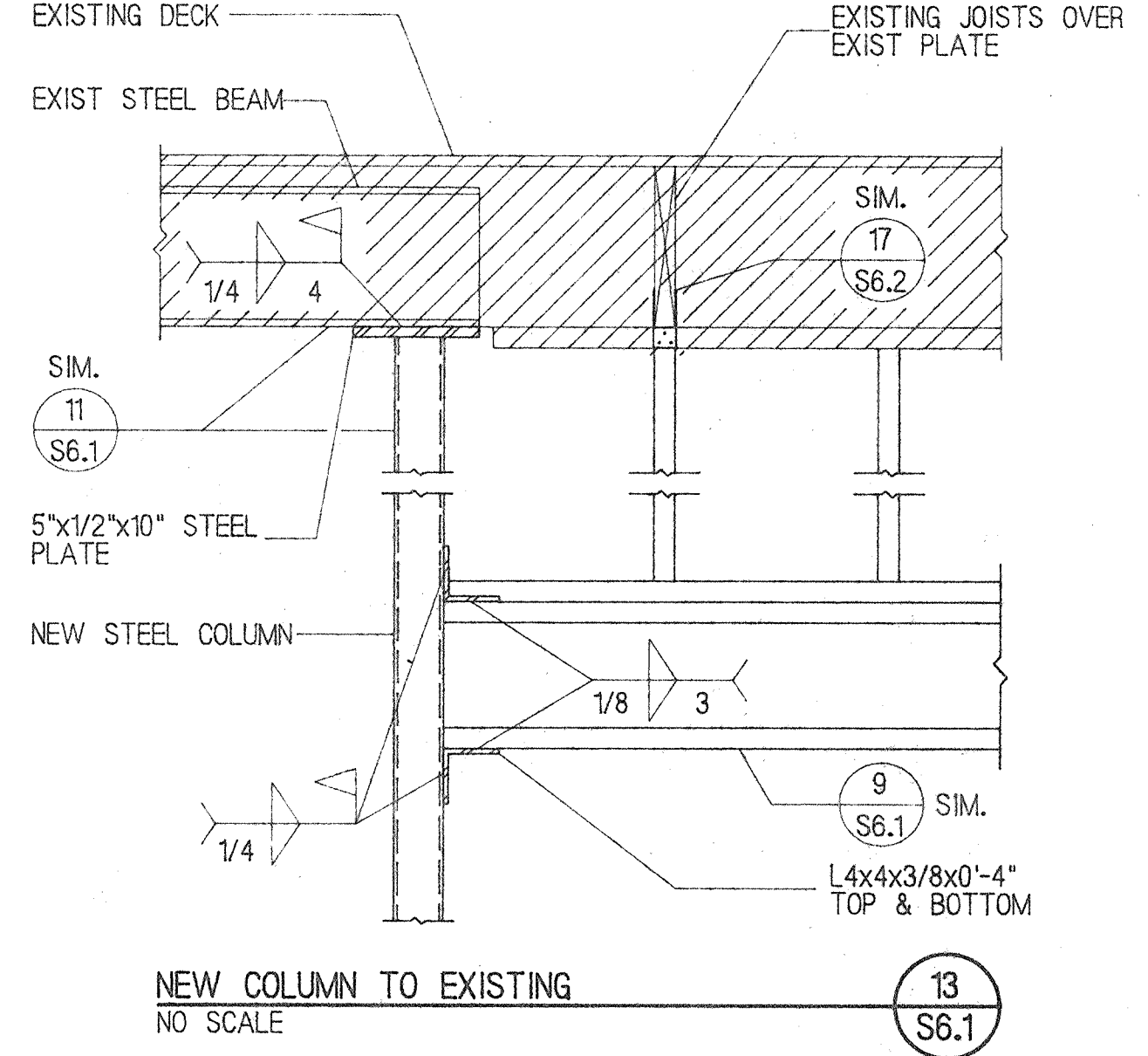
TYPICAL BLOCKING FOR GYPSUM SHEATHING JOINTS  
NO SCALE  
S6.1  
02/08/17



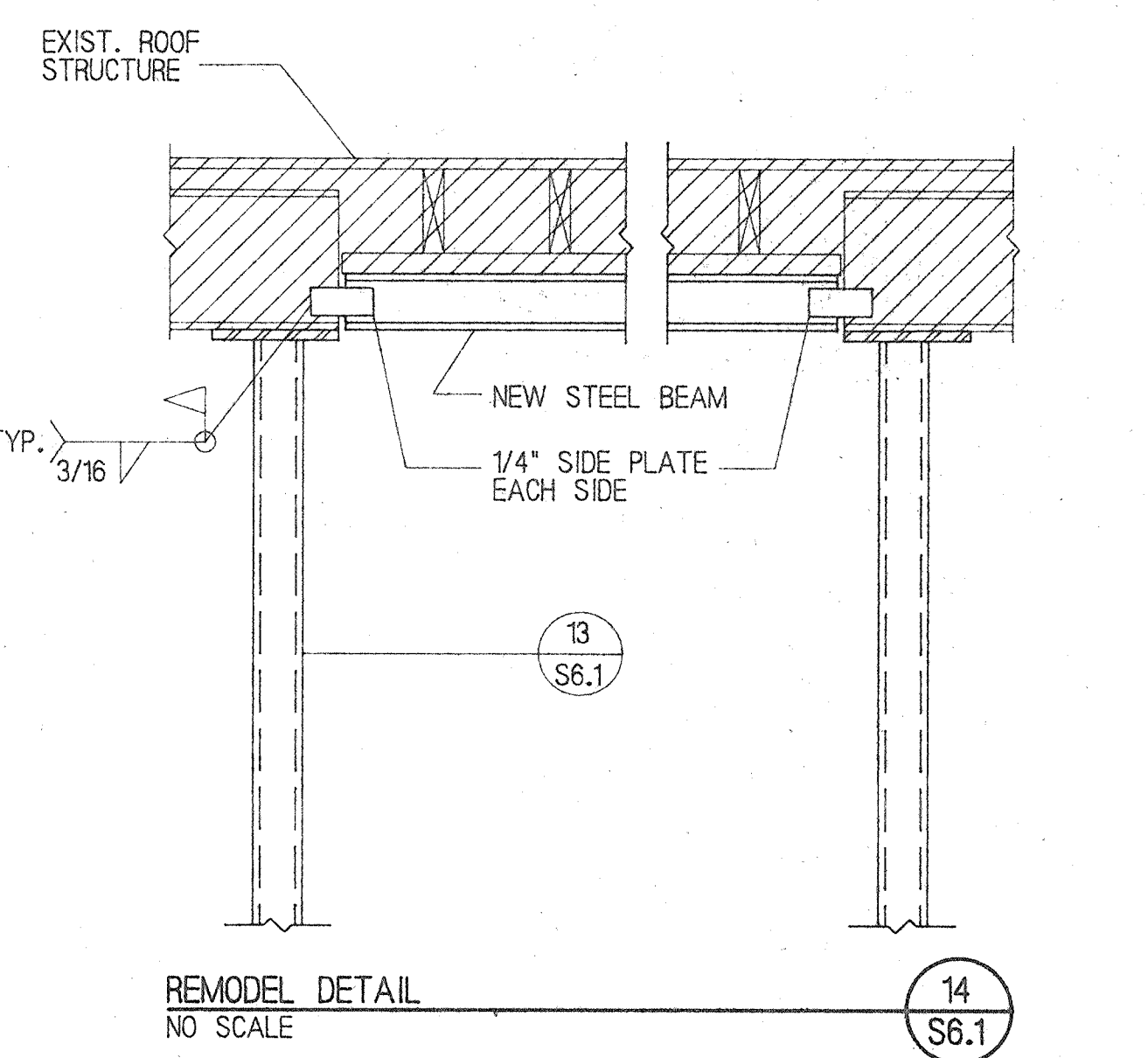
NEW STEEL COLUMN TO EXIST STRUCTURE  
NO SCALE  
S6.1  
02/08/17



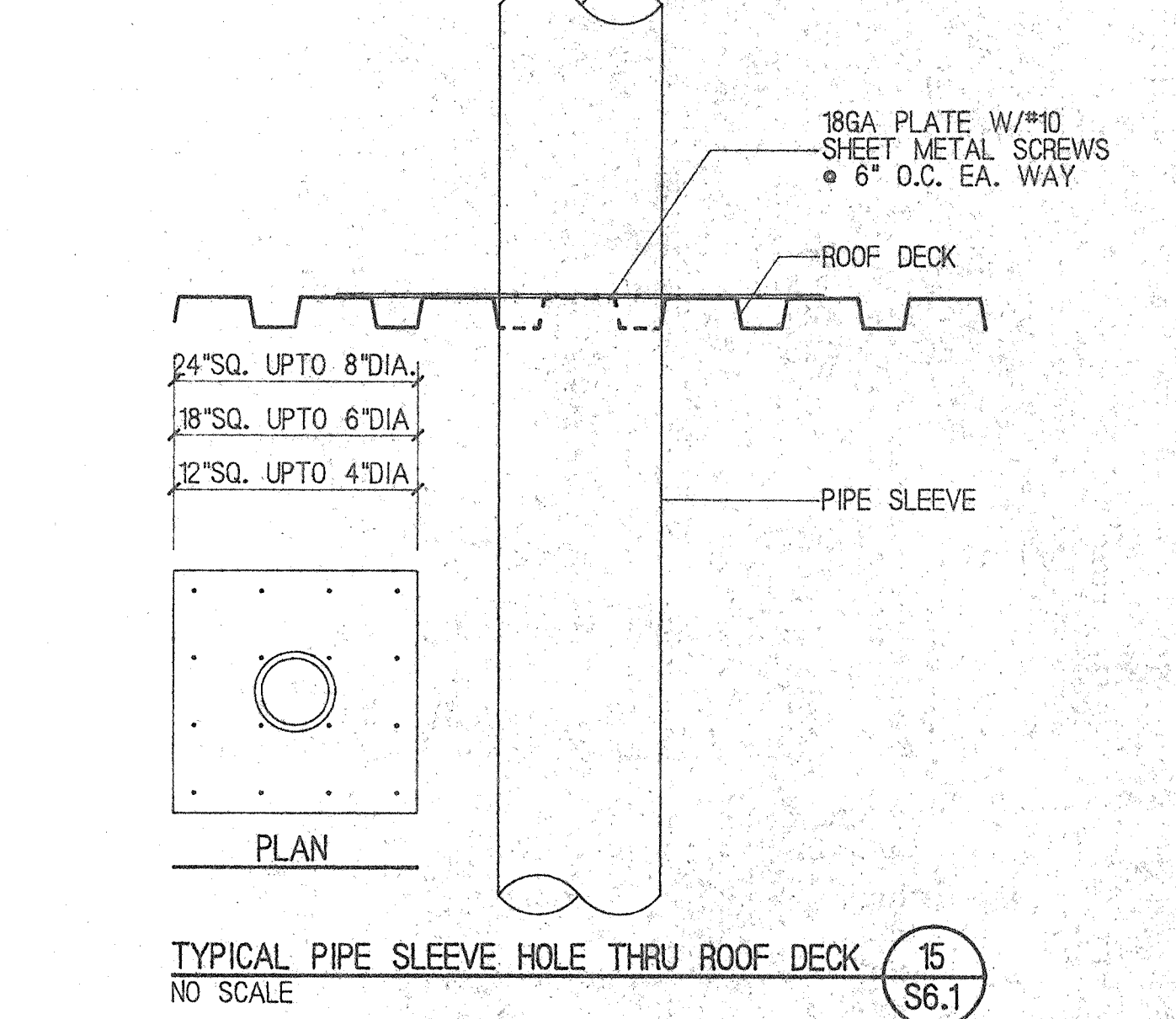
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NO SCALE  
S6.1  
02/08/17



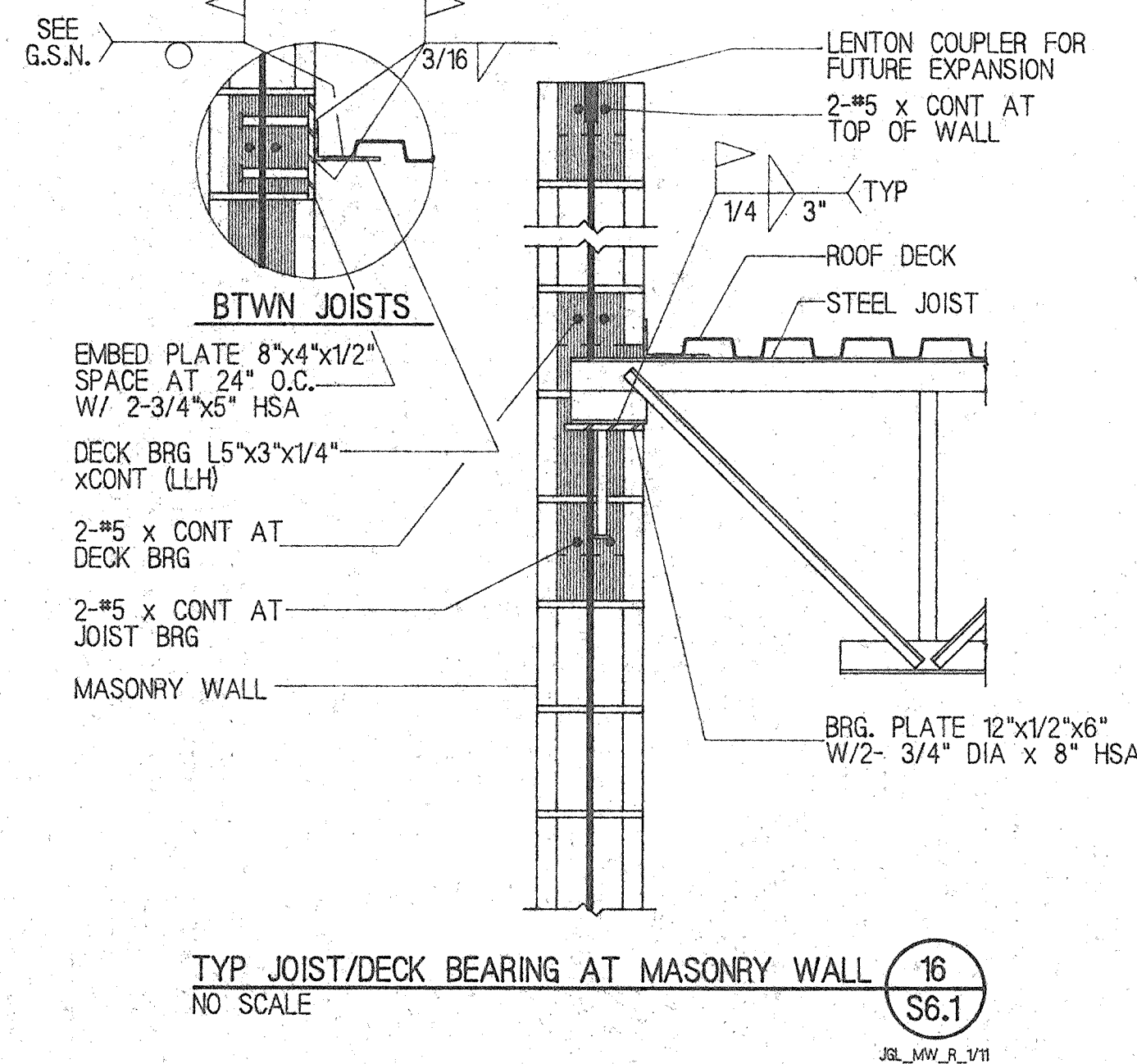
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S6.1  
02/08/17



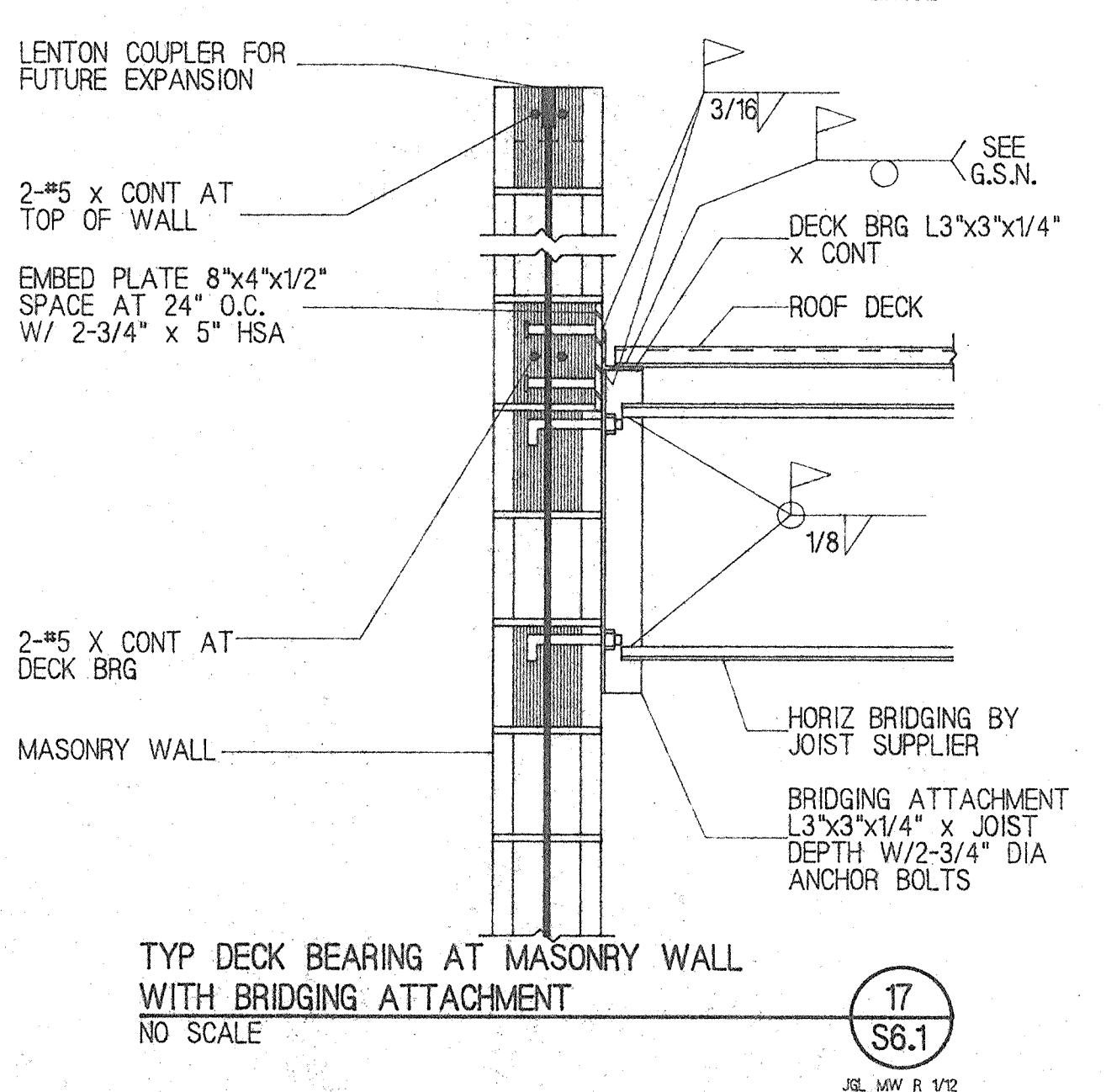
REMODEL DETAIL  
NO SCALE  
S6.1  
02/08/14



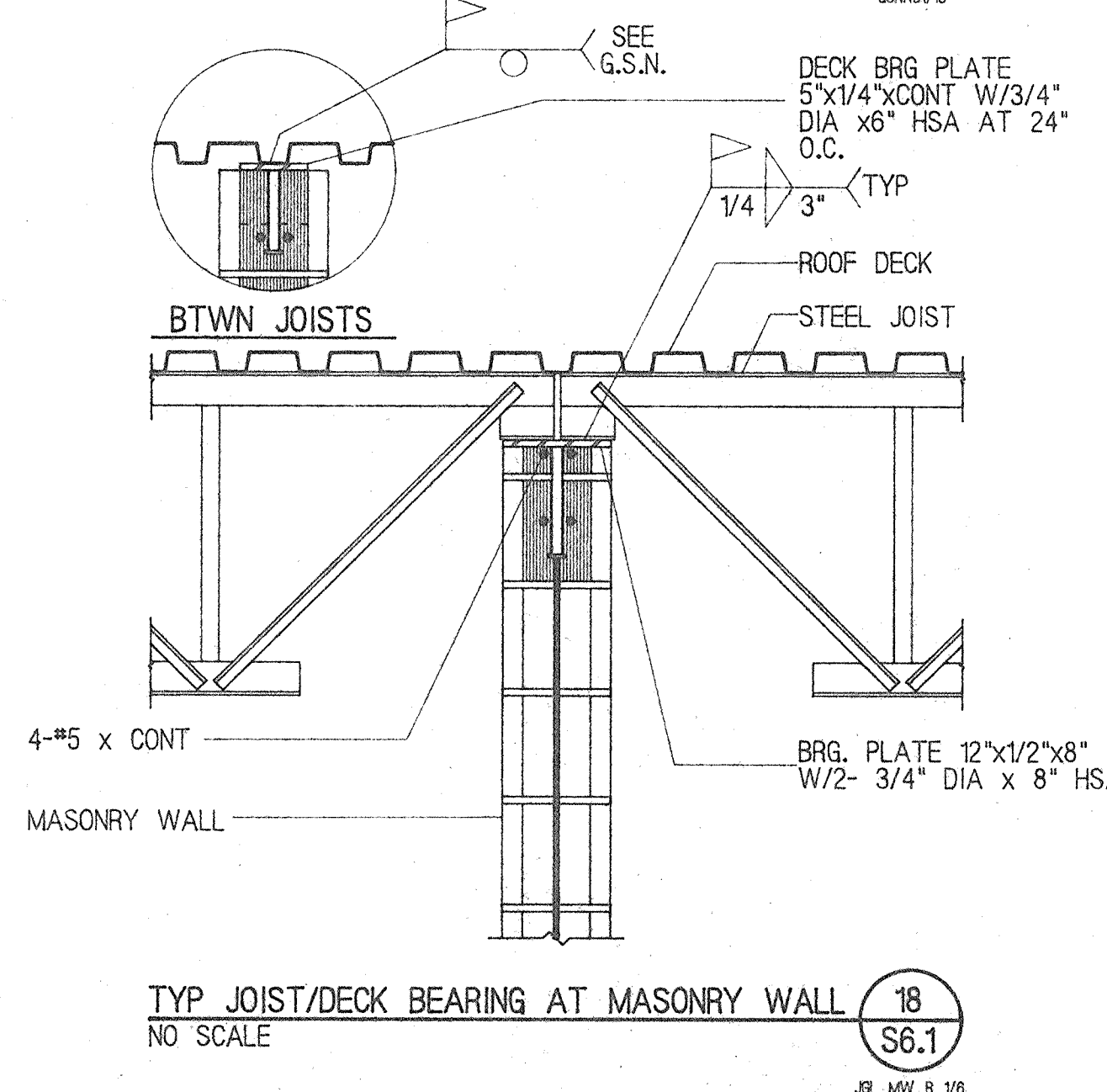
TYPICAL PIPE SLEEVE HOLE THRU ROOF DECK  
NO SCALE  
S6.1  
02/08/17



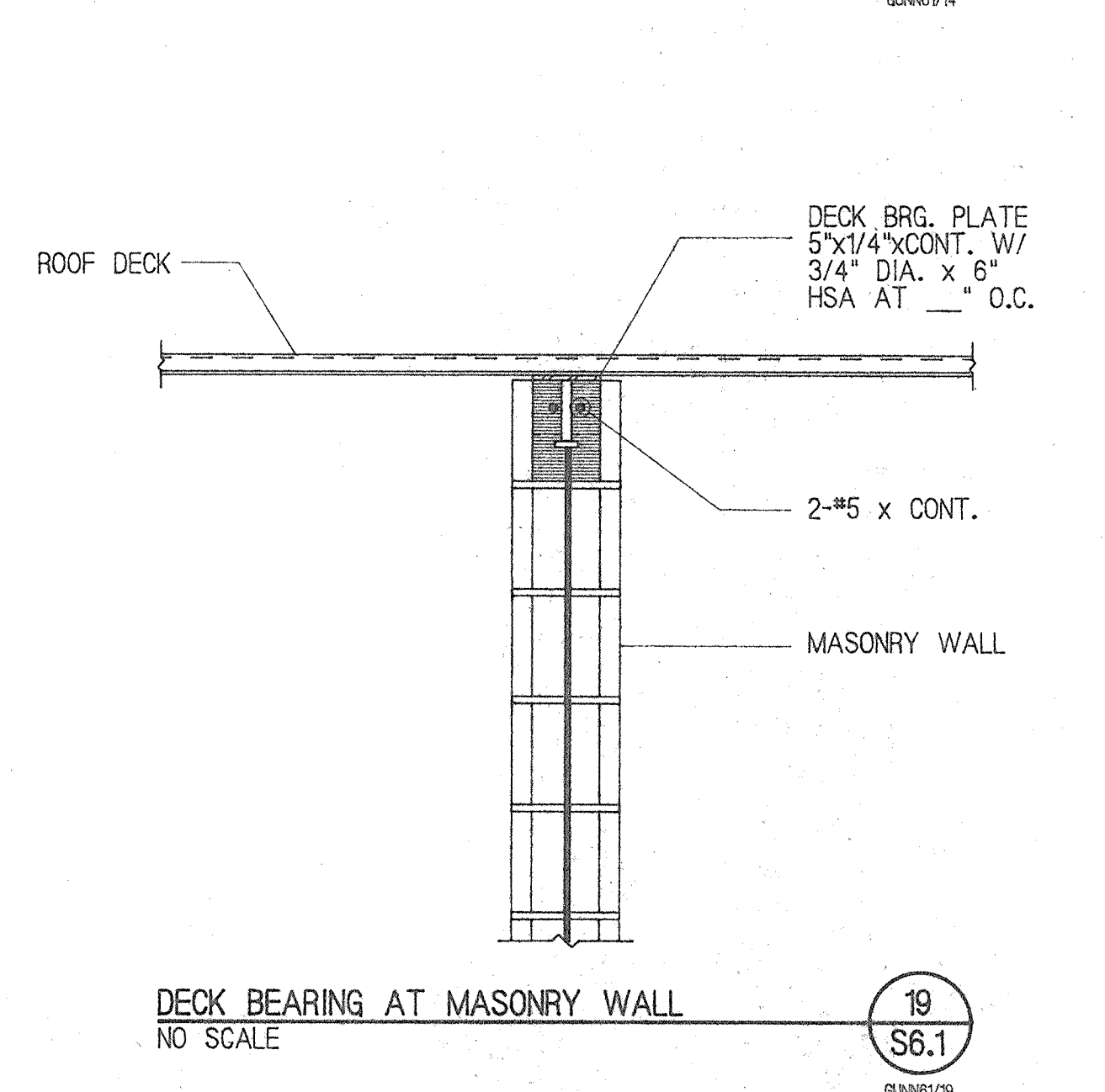
TYP JOIST / DECK BEARING AT MASONRY WALL  
NO SCALE  
S6.1  
02/08/17



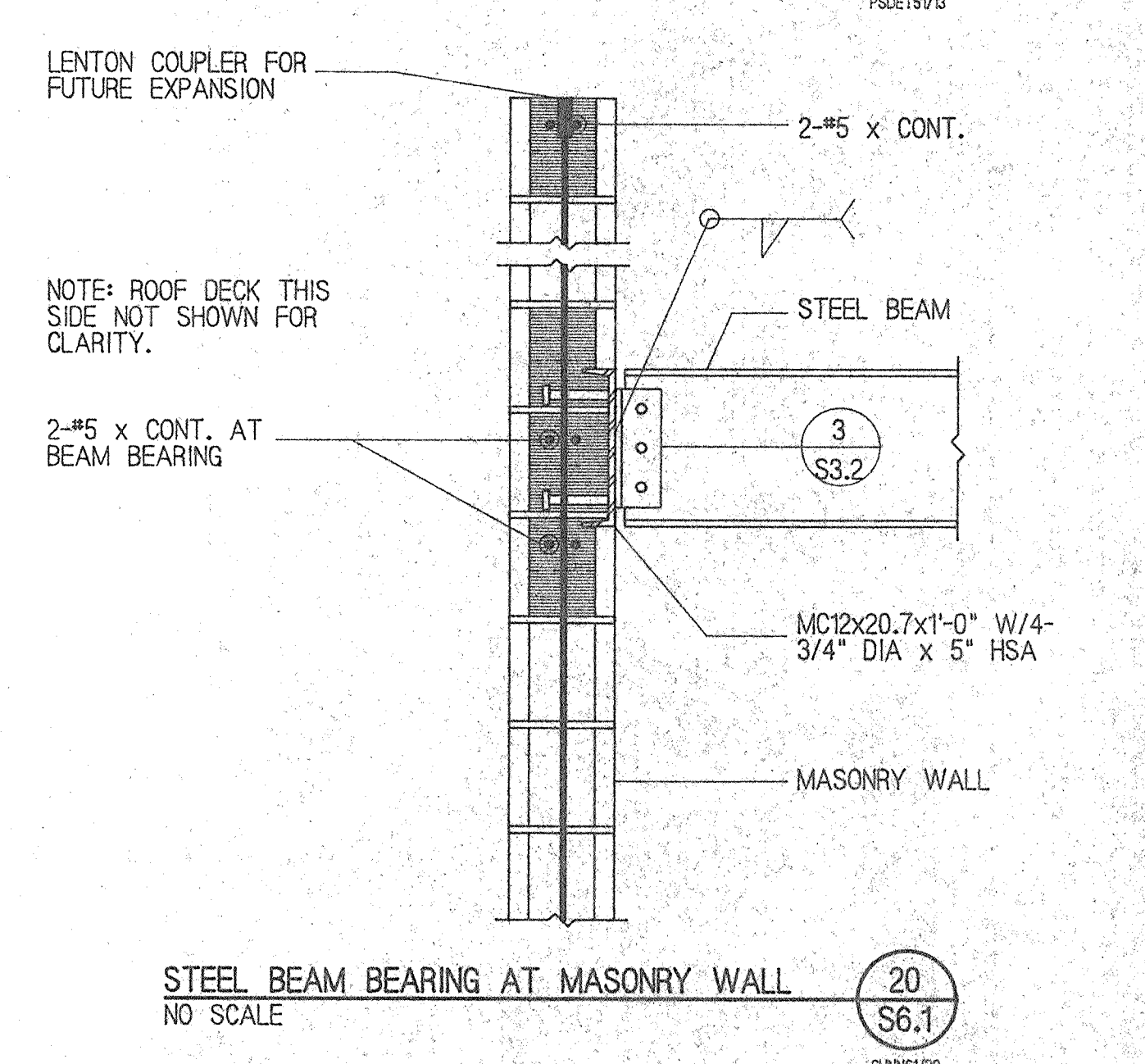
TYP DECK BEARING AT MASONRY WALL WITH BRIDGING ATTACHMENT  
NO SCALE  
S6.1  
02/08/17



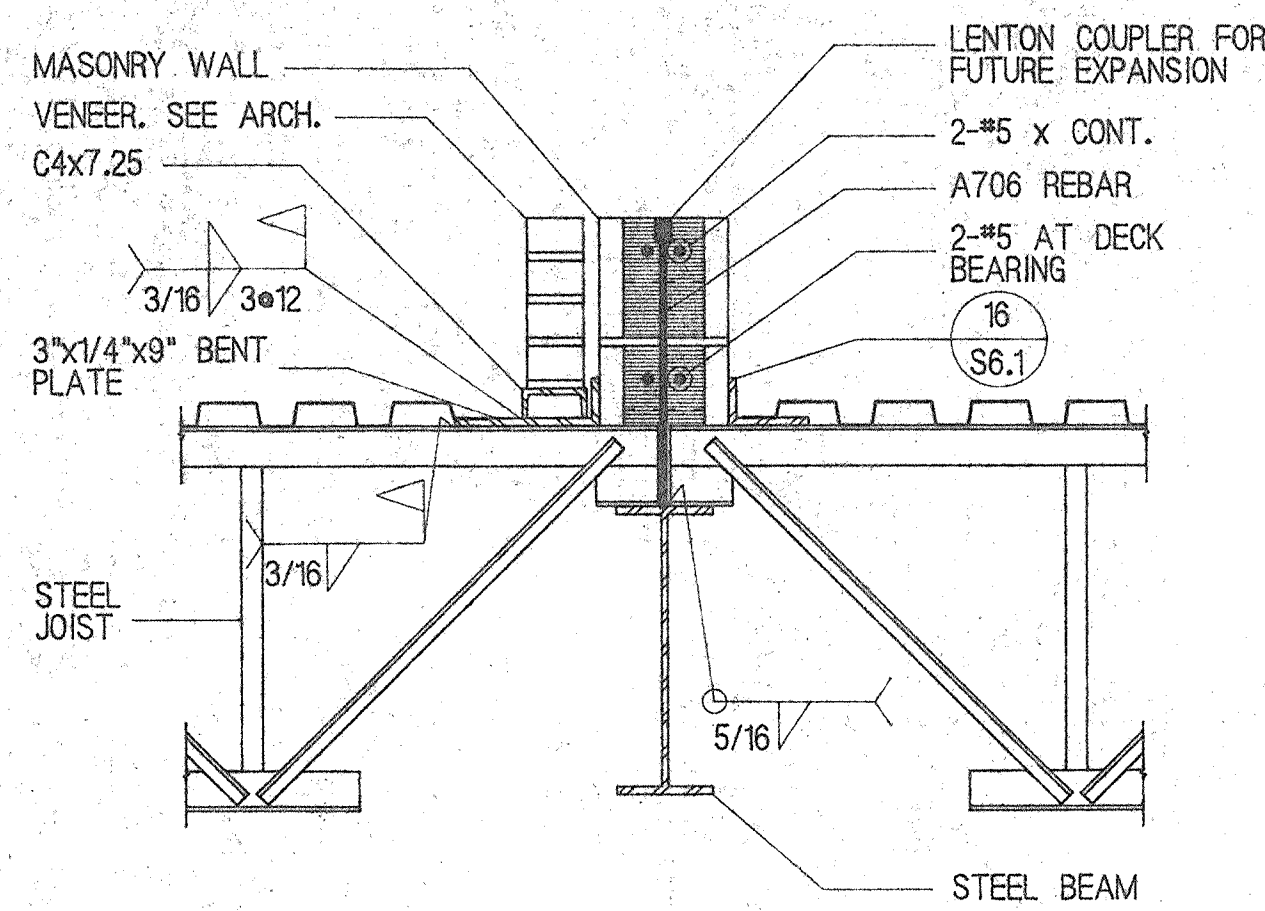
TYP JOIST / DECK BEARING AT MASONRY WALL  
NO SCALE  
S6.1  
02/08/17



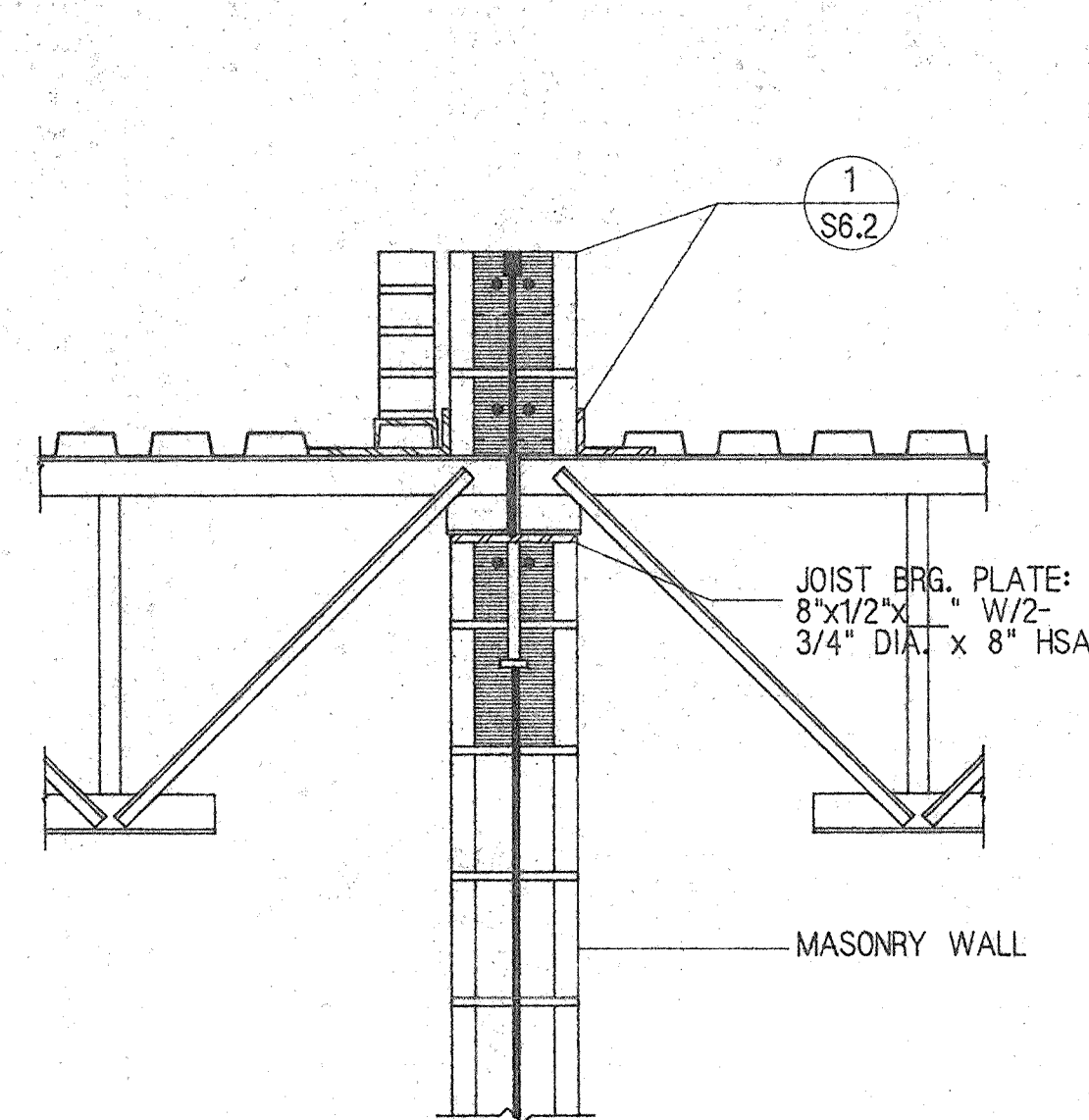
DECK BEARING AT MASONRY WALL  
NO SCALE  
S6.1  
02/08/17



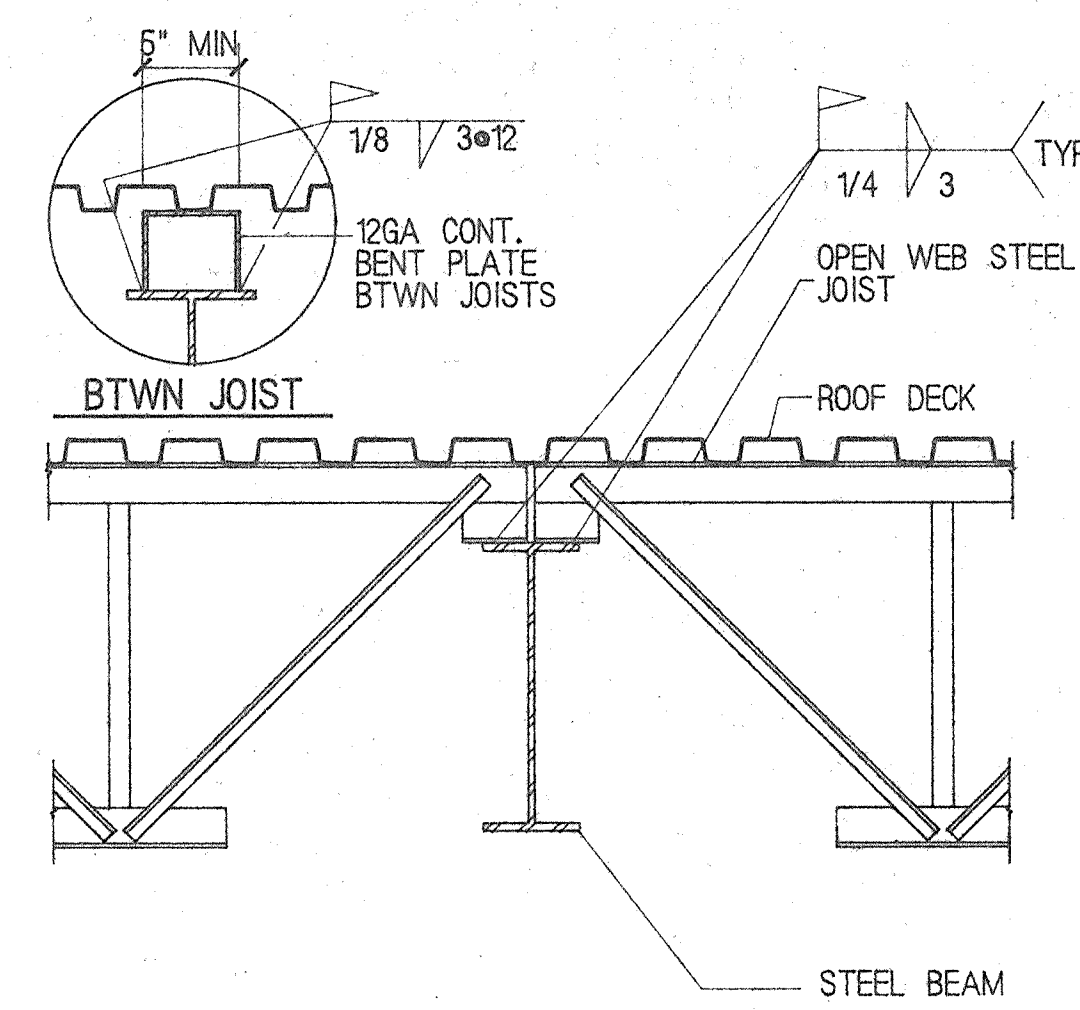
STEEL BEAM BEARING AT MASONRY WALL  
NO SCALE  
S6.1  
02/08/17



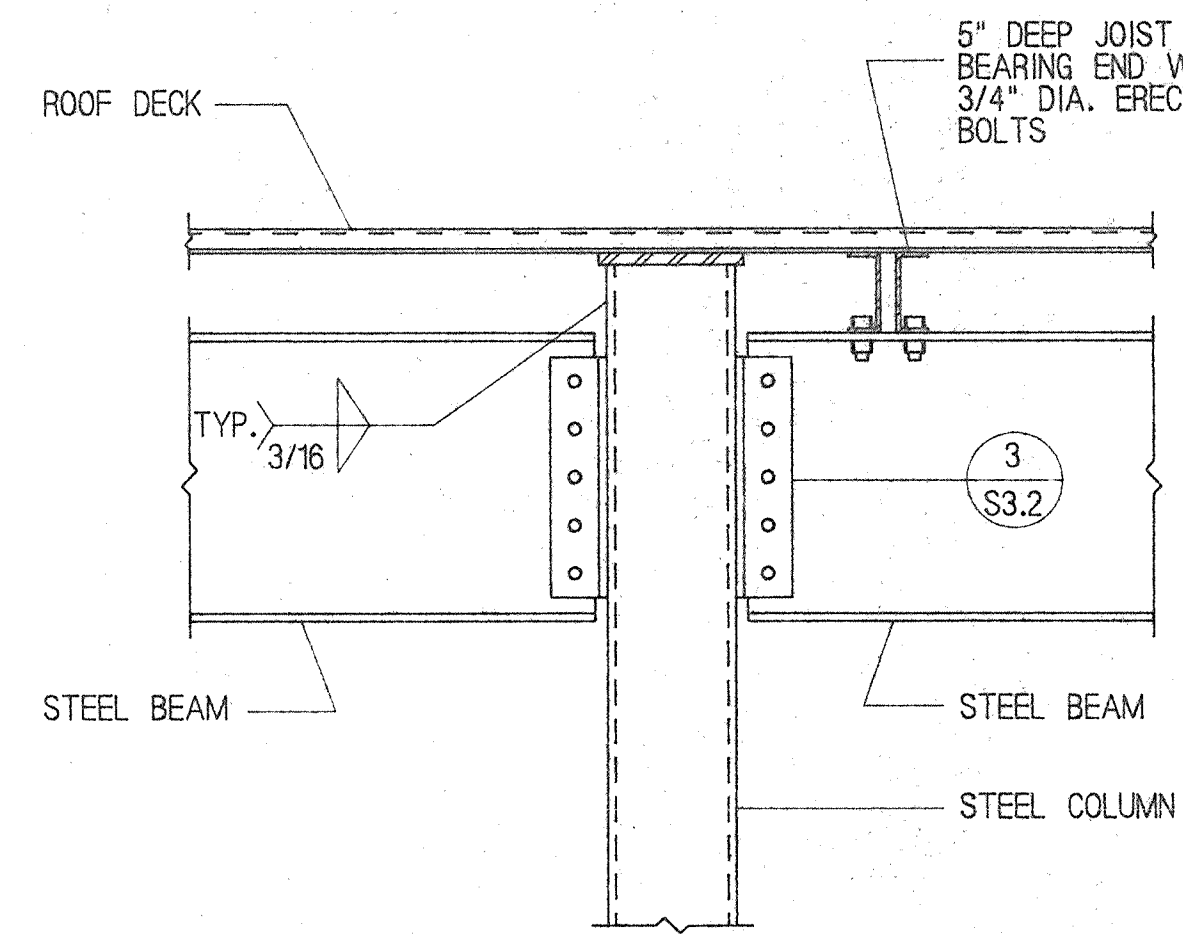
TYPICAL JOIST BEARING AT STEEL BEAM W/MASONRY WALL ABOVE  
NO SCALE  
1 S6.2  
QANR02/1



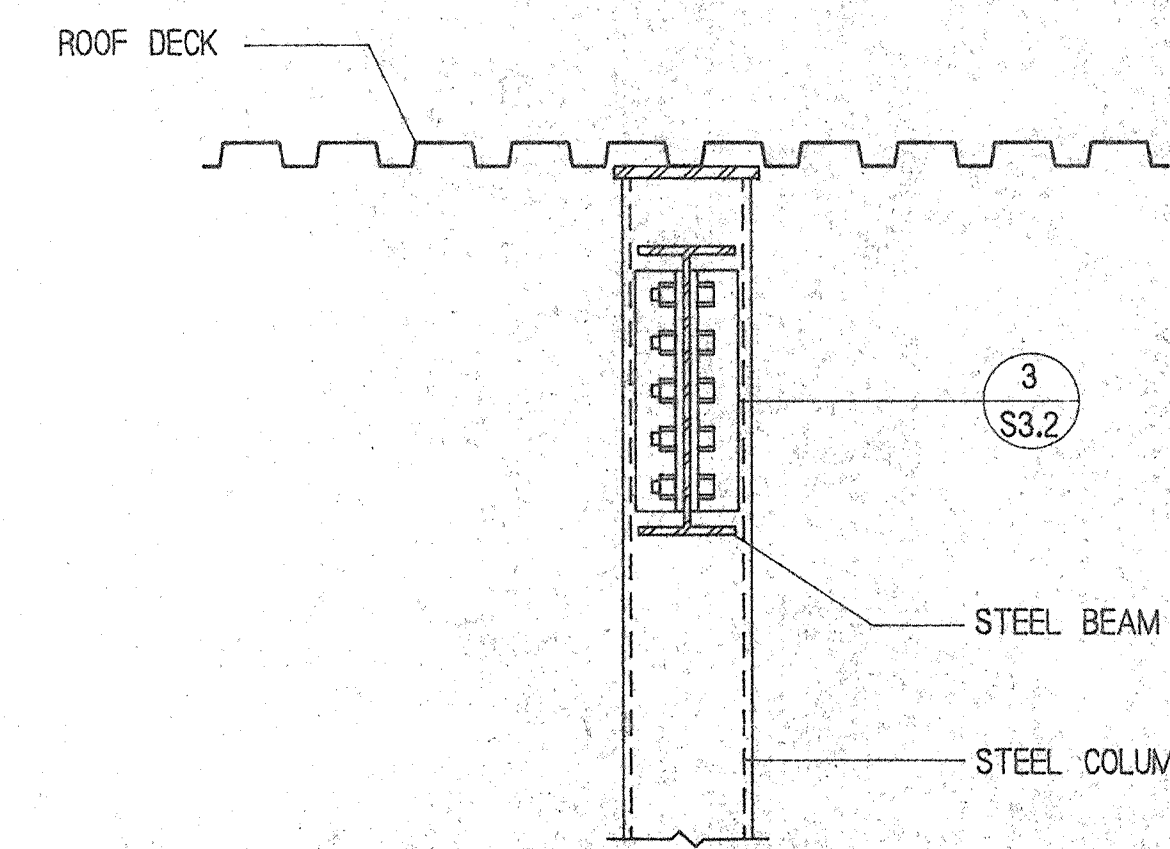
TYP. JOIST BEARING AT MASONRY WALL  
NO SCALE  
2 S6.2  
QANR02/2



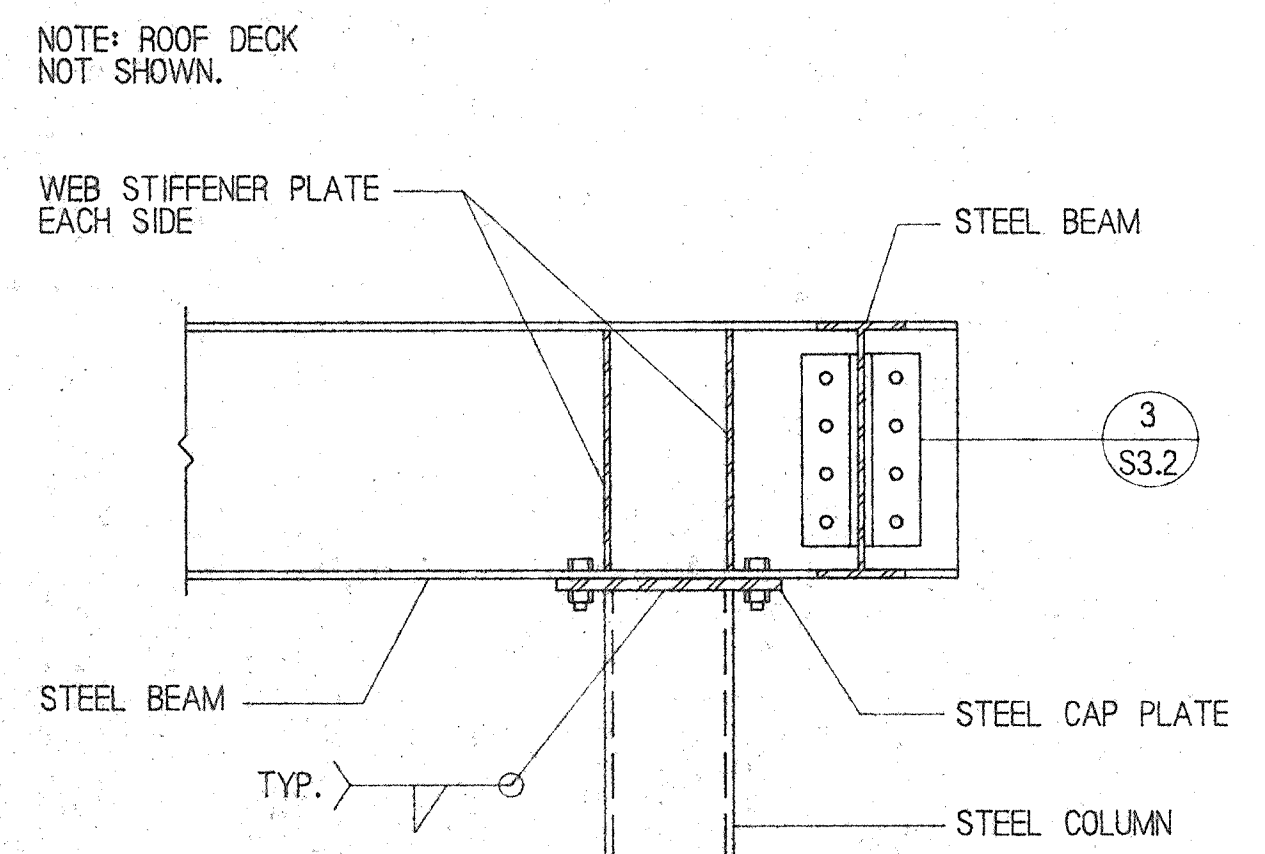
TYPICAL JOIST BEARING AT STEEL BEAM CHORD TIE/DRAW STRUT  
NO SCALE  
3 S6.2  
QANR02/3



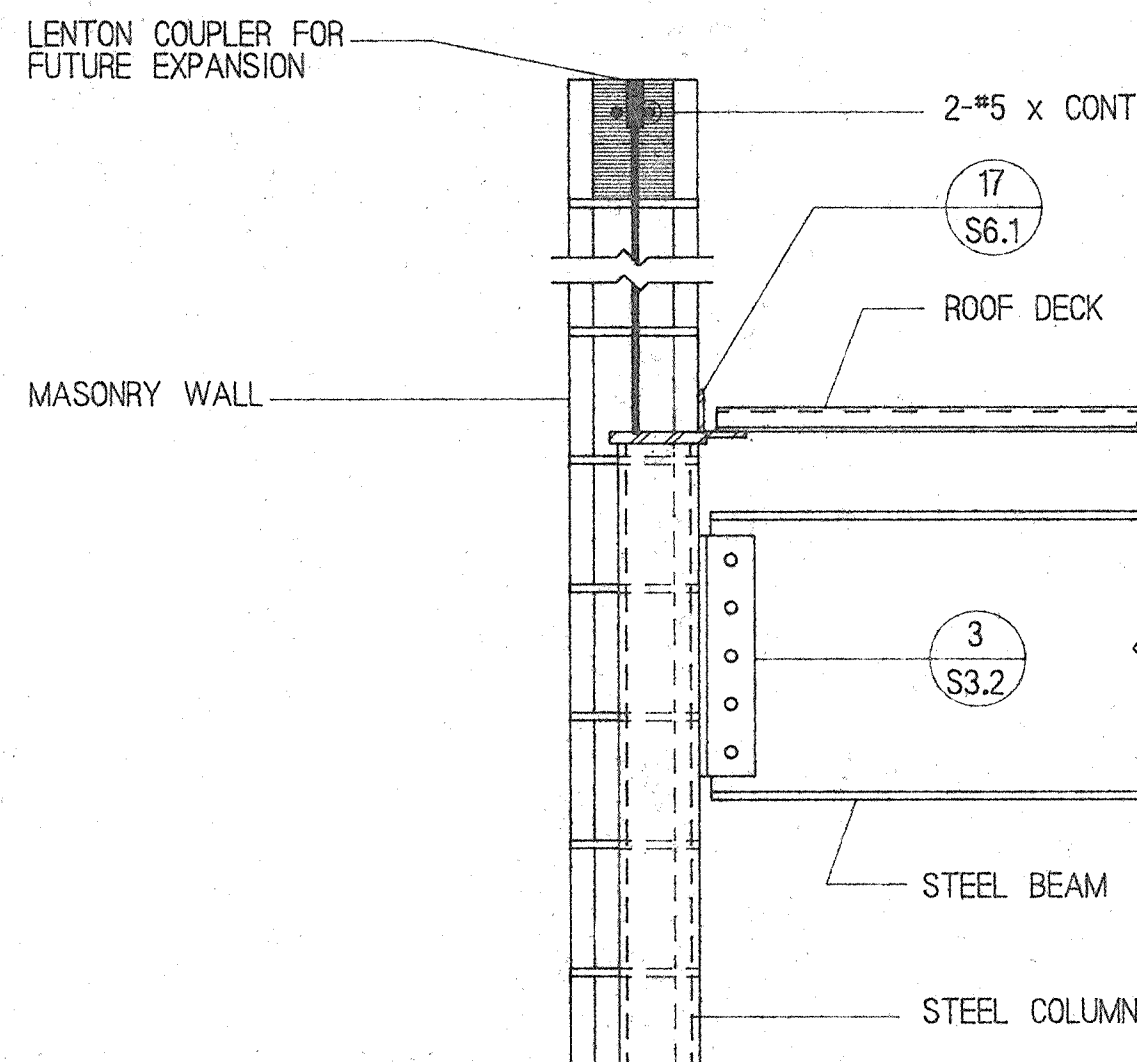
TYPICAL STEEL BEAM ON INTERIOR STEEL COLUMN  
NO SCALE  
4 S6.2  
QANR02/4



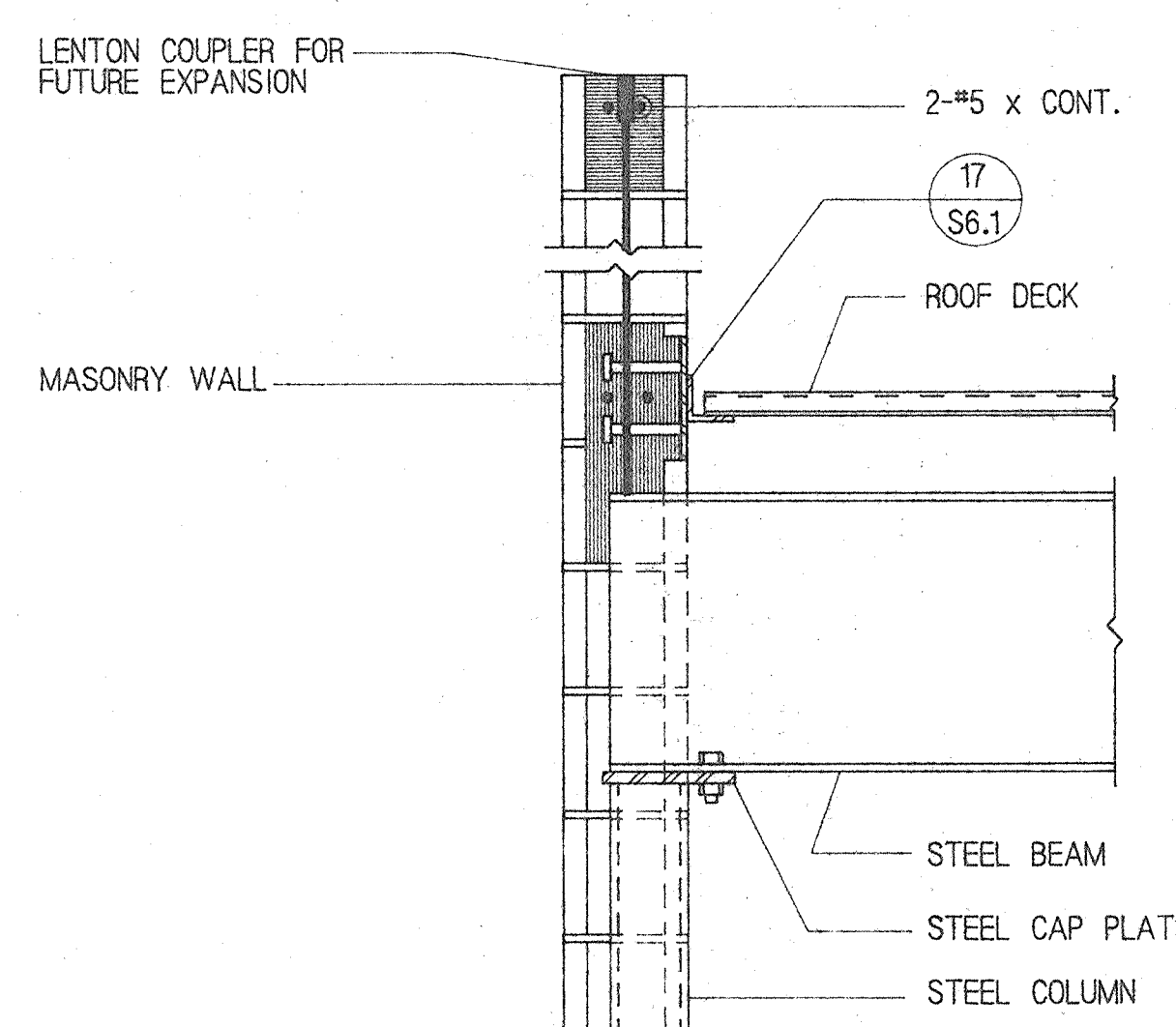
TYPICAL STEEL BEAM ON INTERIOR STEEL COLUMN  
NO SCALE  
5 S6.2  
QANR02/5



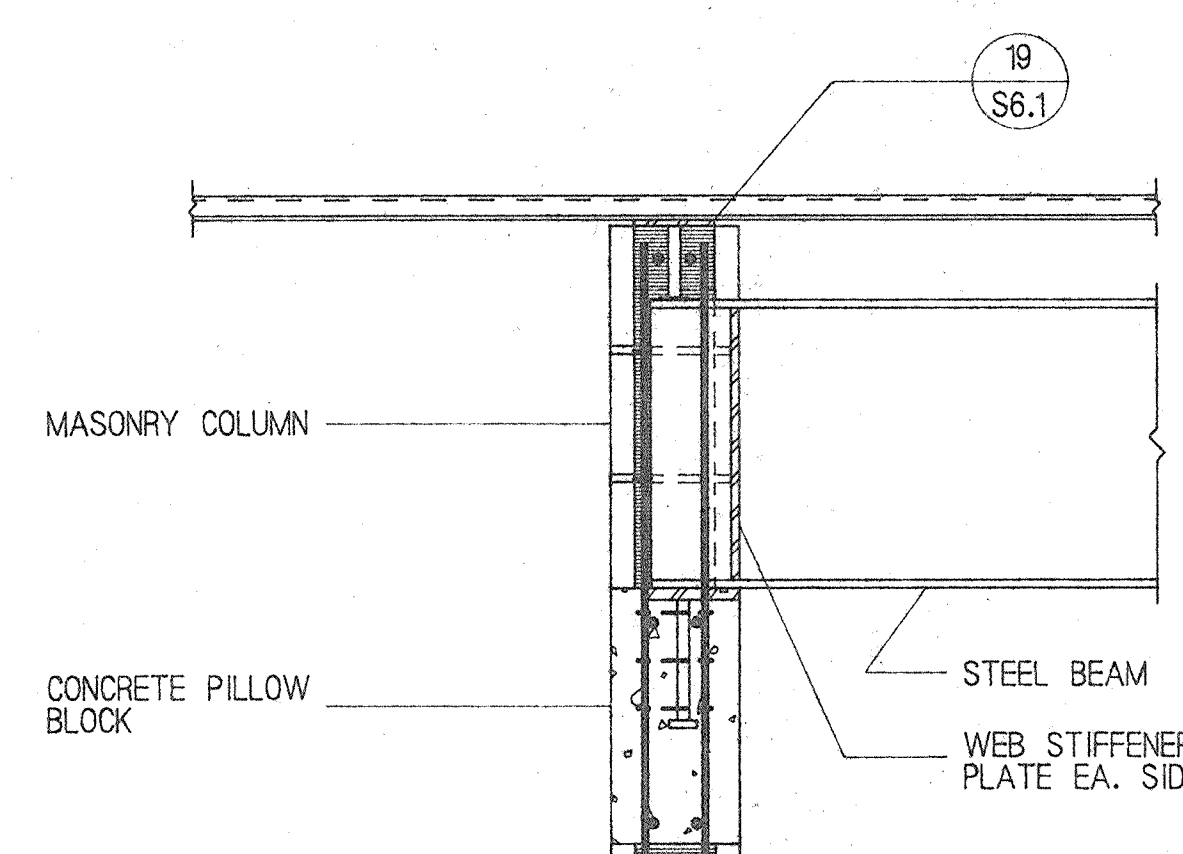
STEEL BEAM AT STEEL COLUMNS  
NO SCALE  
6 S6.2  
QANR02/6



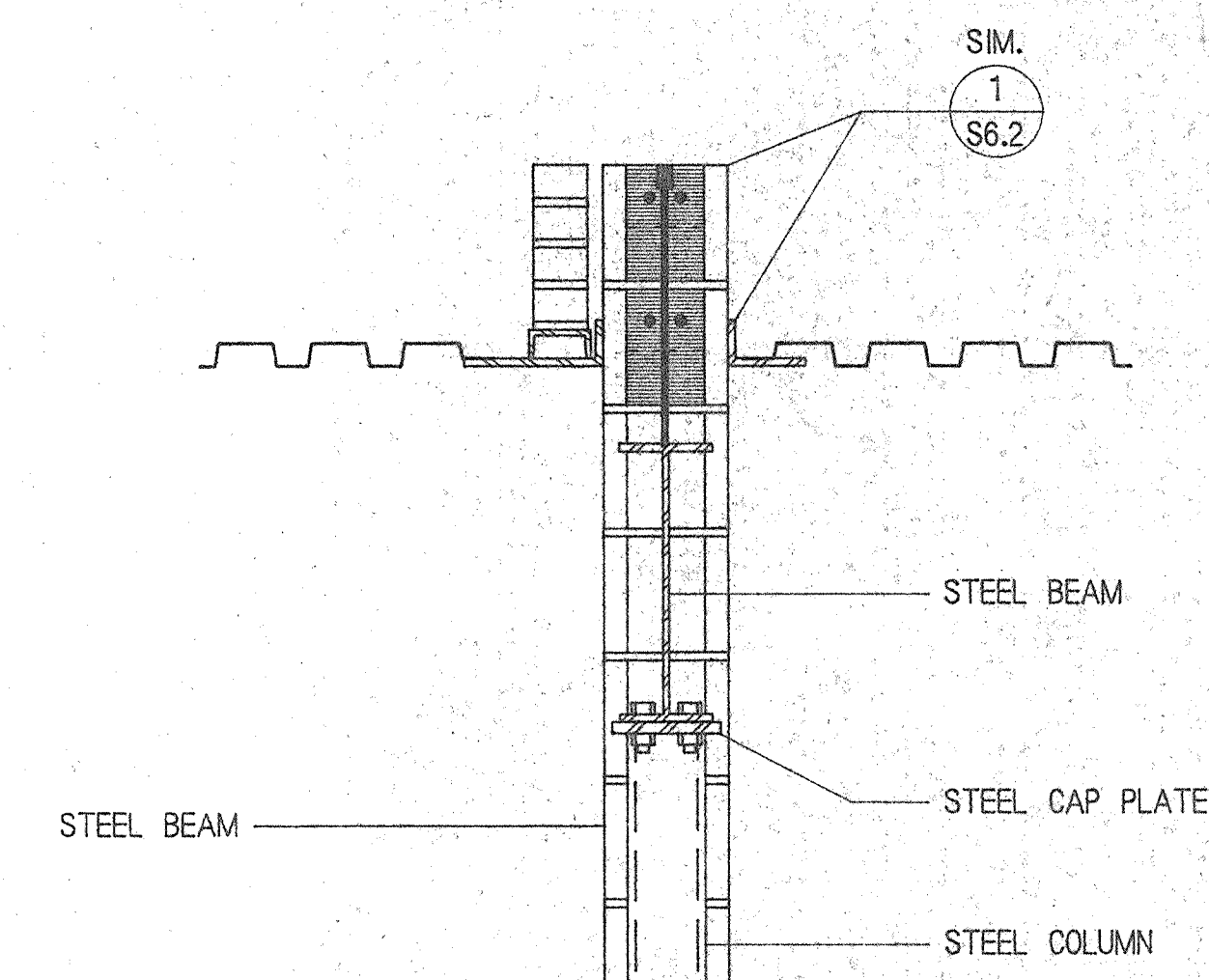
TYPICAL STEEL BEAM AT EXTERIOR STEEL COLUMN  
NO SCALE  
7 S6.2  
QANR02/7



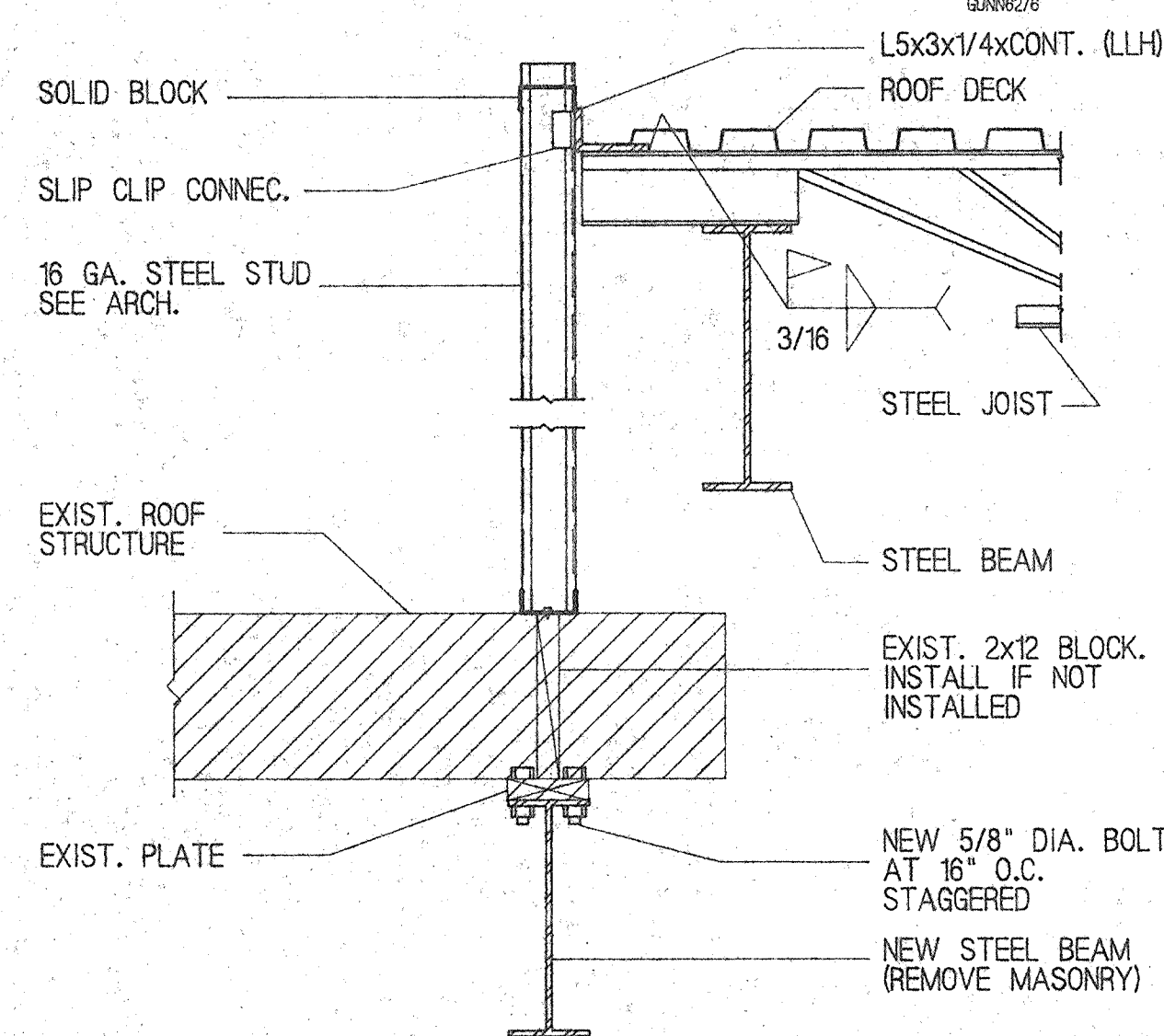
TYPICAL STEEL BEAM AT EXTERIOR STEEL COLUMN  
NO SCALE  
8 S6.2  
QANR02/8



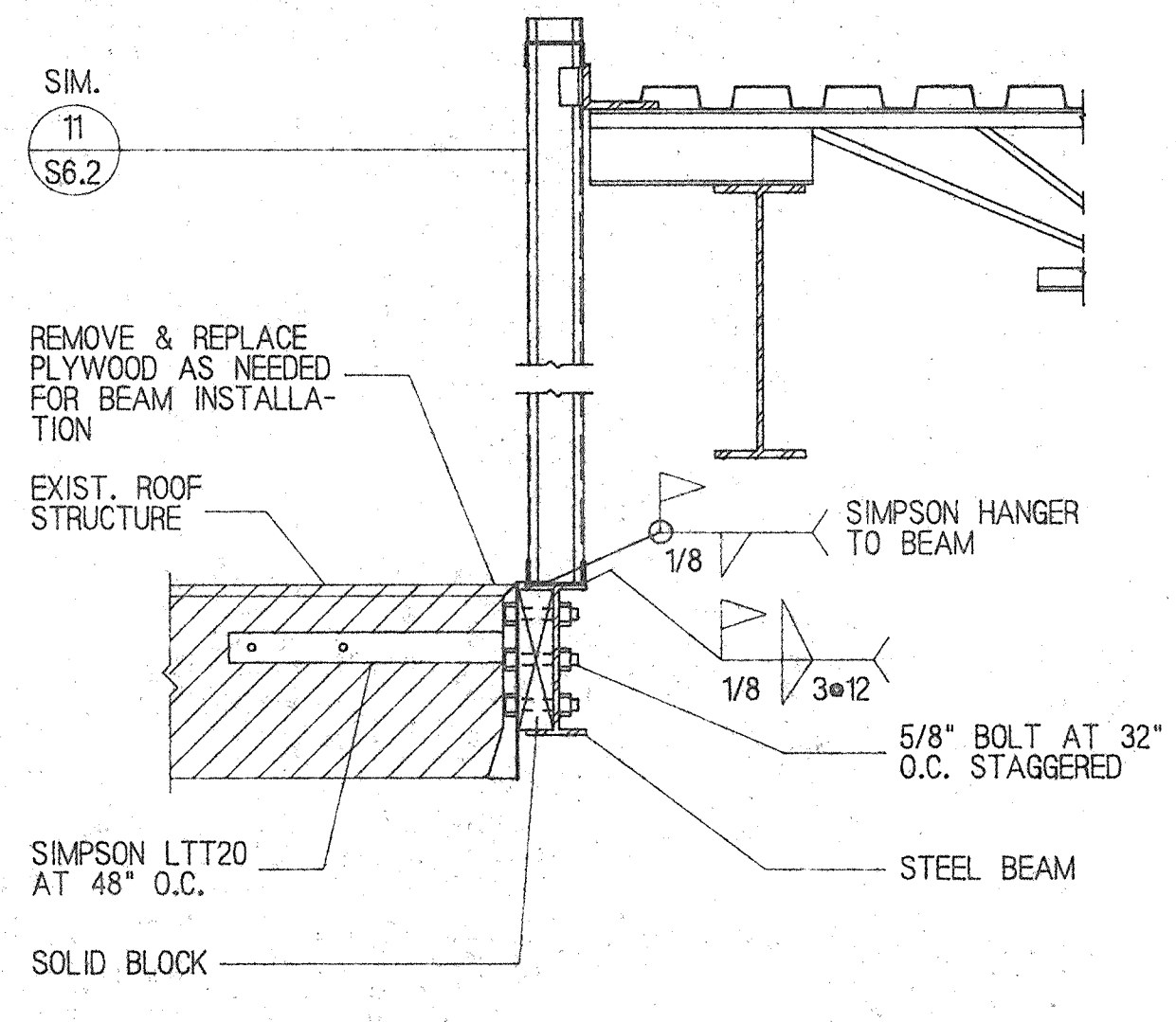
STEEL BEAM AT MASONRY COLUMN  
NO SCALE  
9 S6.2  
QANR02/9



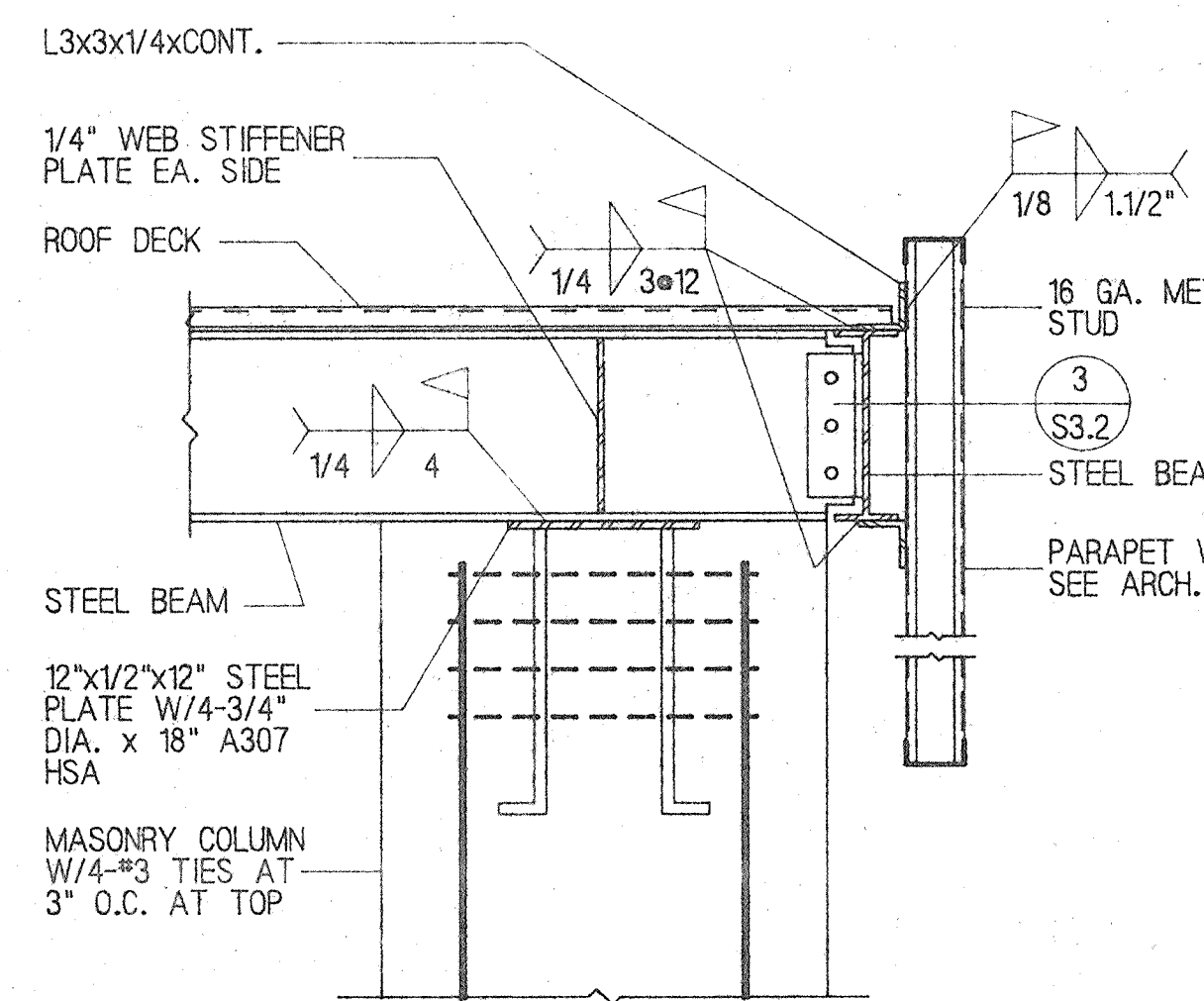
STEEL BEAM BEARING AT STEEL COLUMN AT MASONRY WALL  
NO SCALE  
10 S6.2  
QANR02/10



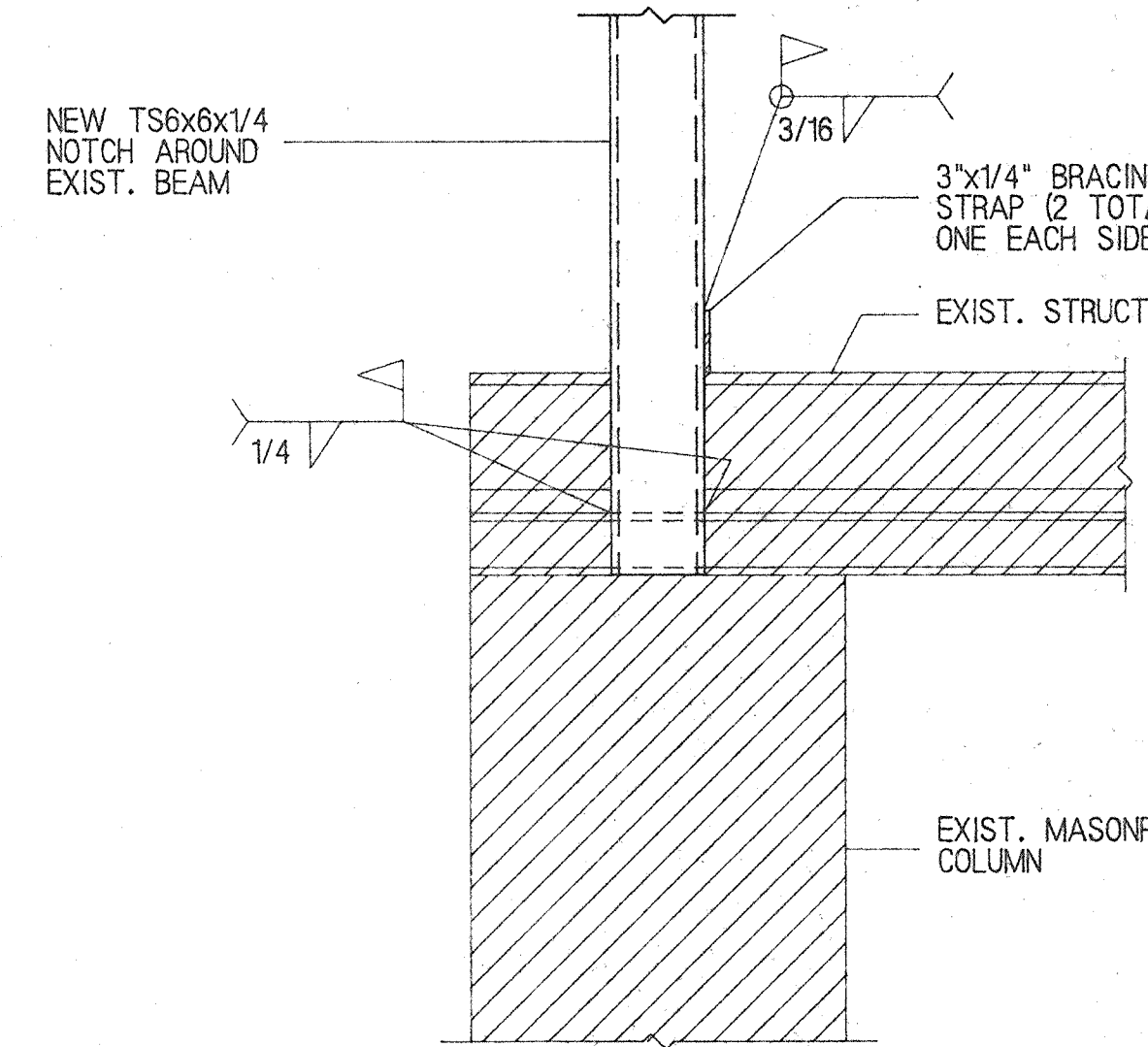
LINK DETAIL  
NO SCALE  
11 S6.2  
QANR02/11



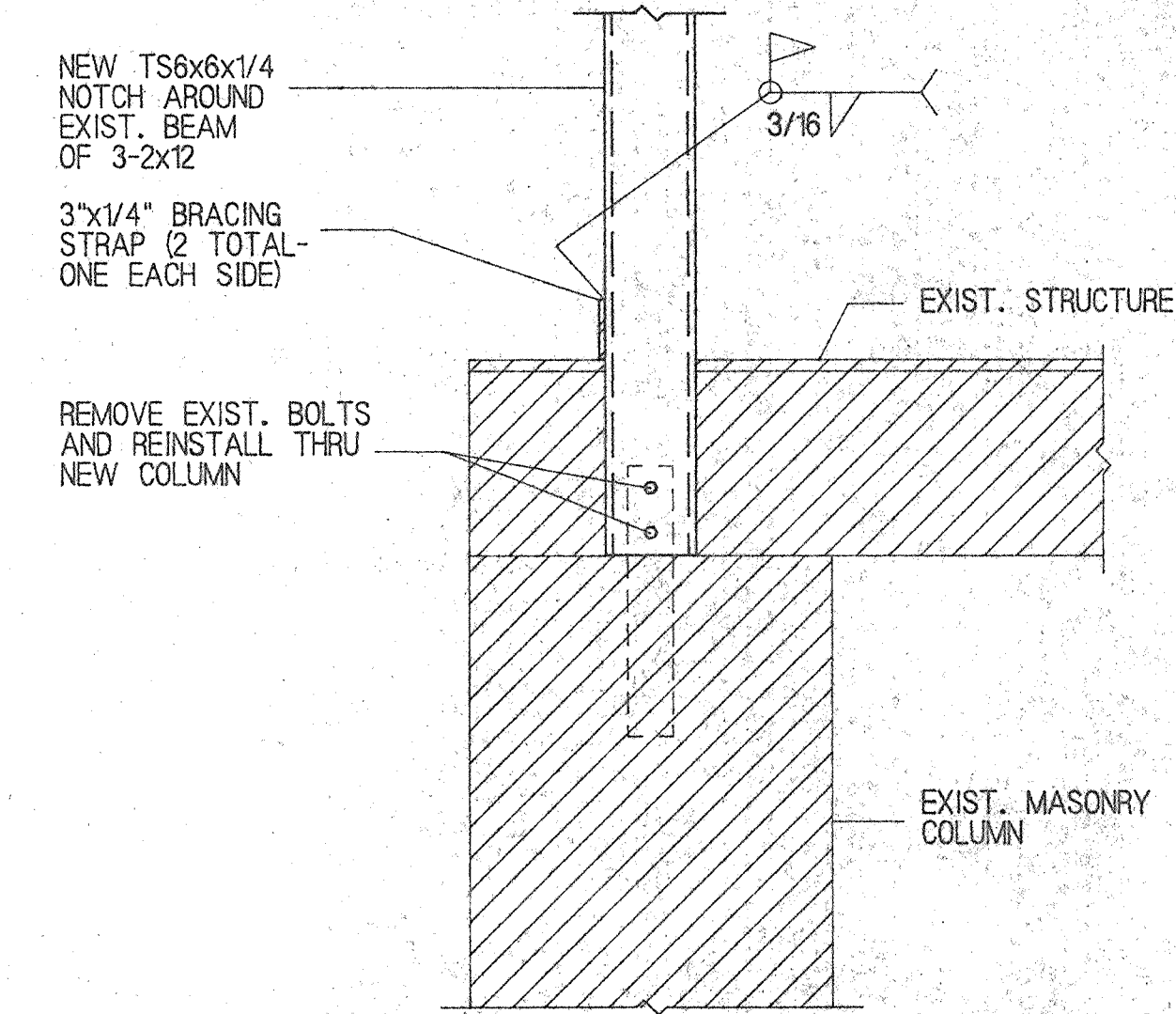
NEW BEAM TO EXISTING STRUCTURE  
NO SCALE  
12 S6.2  
QANR02/12



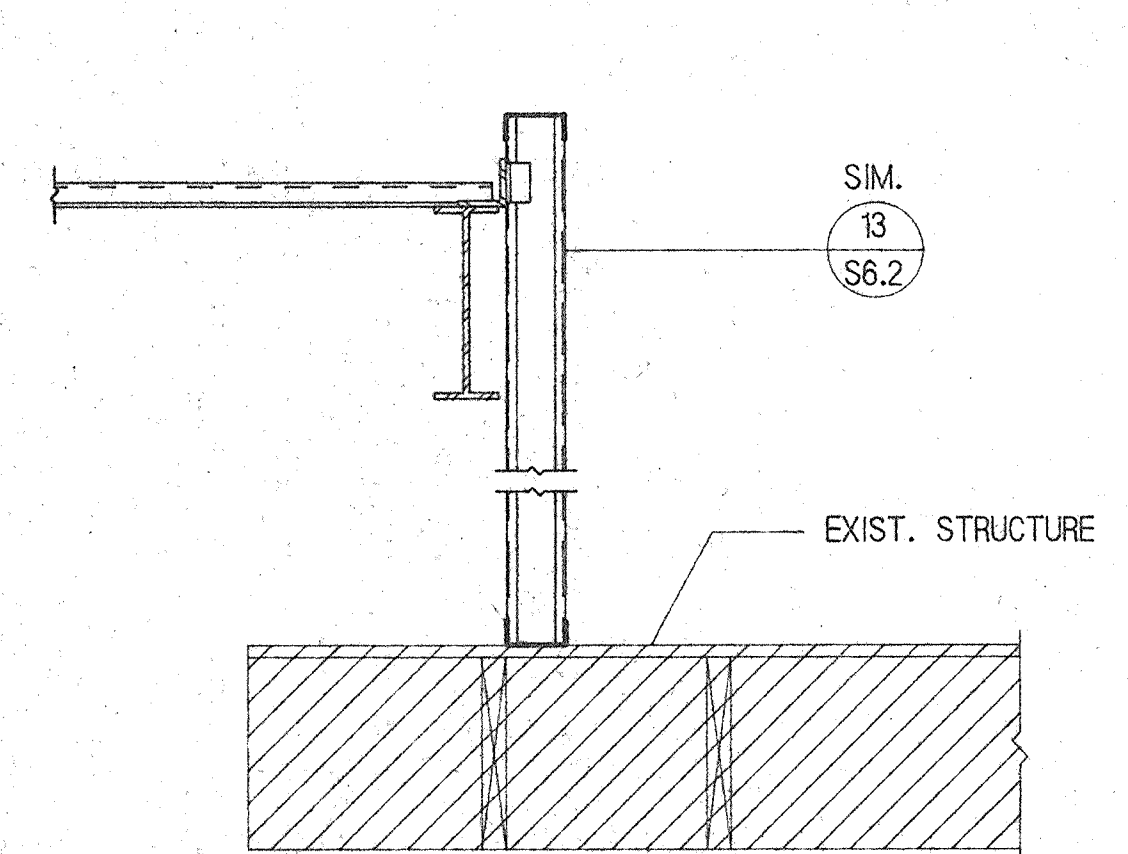
CANOPY DETAIL  
NO SCALE  
13 S6.2  
QANR02/13



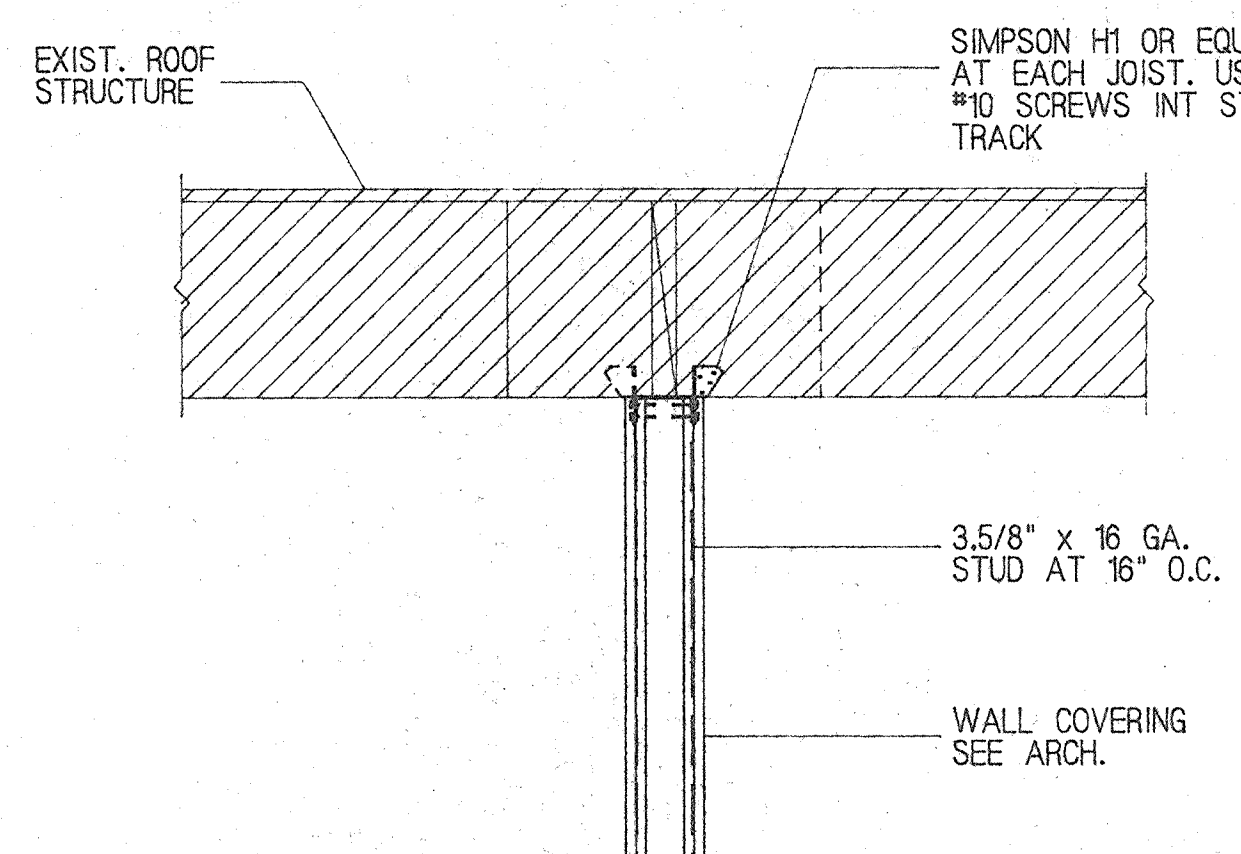
NEW COLUMN TO EXISTING COLUMN  
NO SCALE  
14 S6.2  
QANR02/14



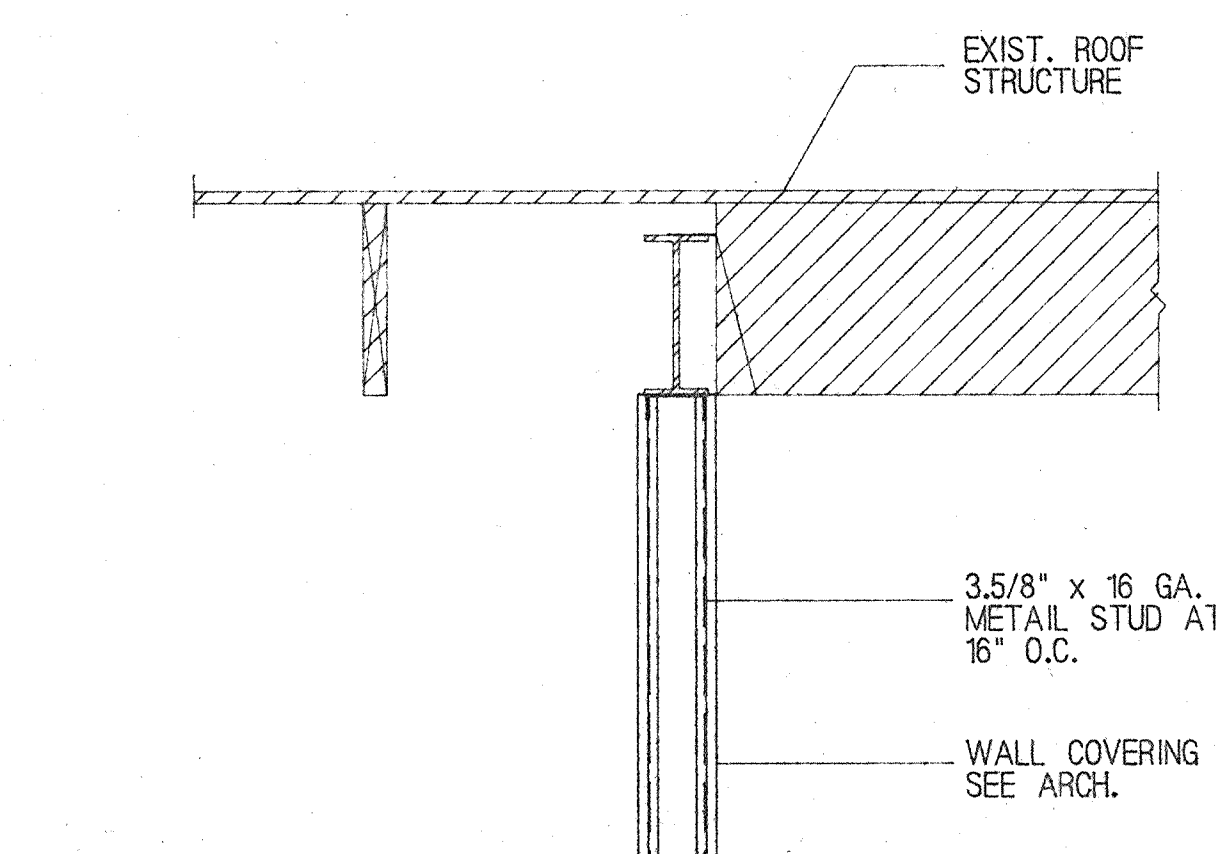
NEW COLUMN TO EXISTING COLUMN  
NO SCALE  
15 S6.2  
QANR02/15



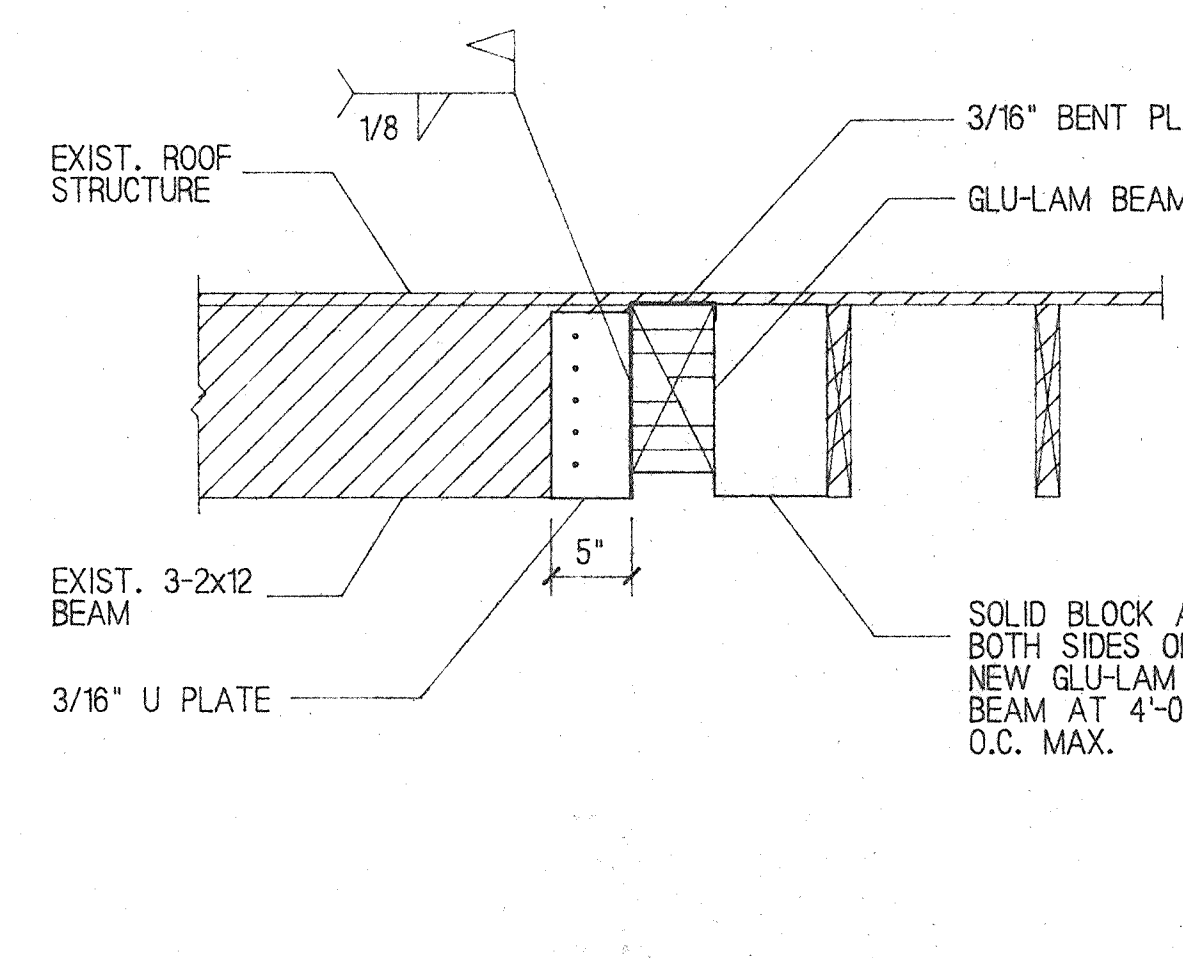
CANOPY DETAIL  
NO SCALE  
16 S6.2  
QANR02/16



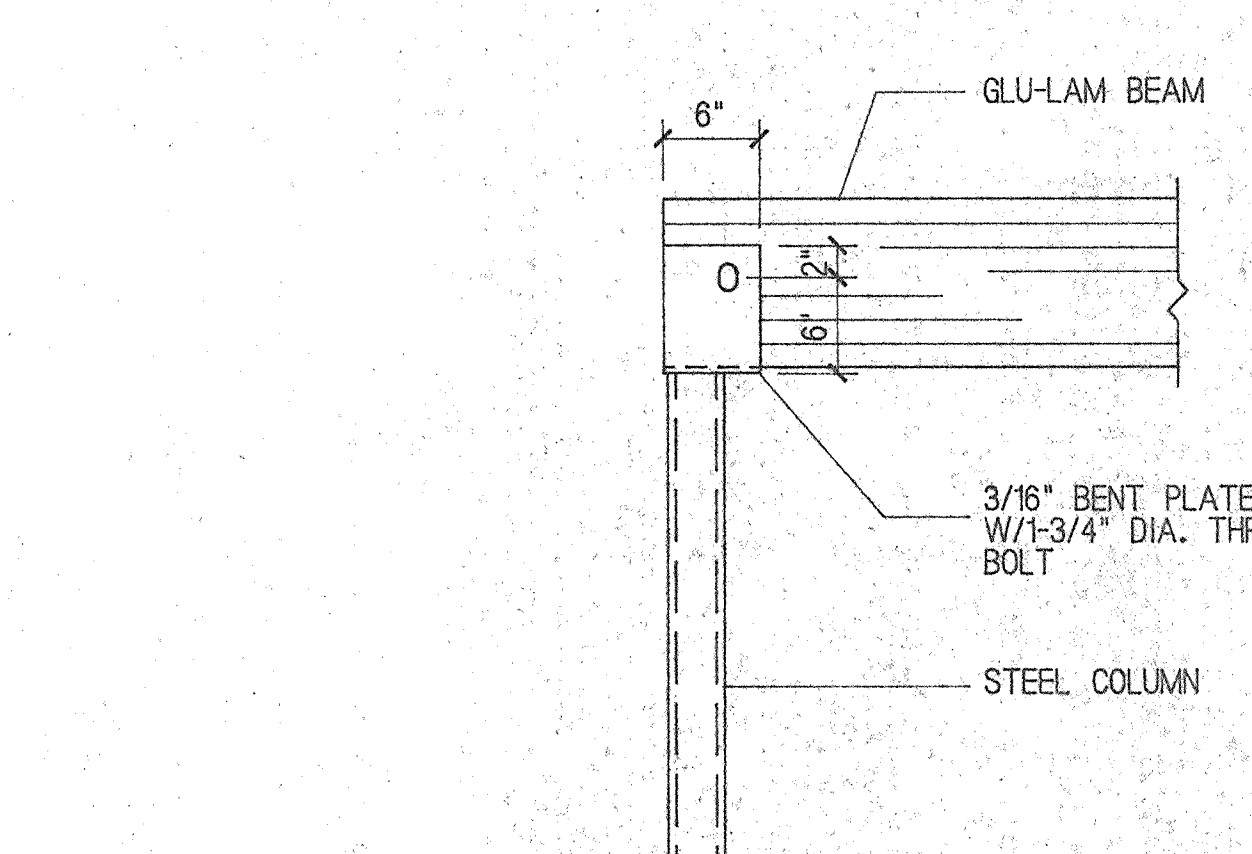
REMODEL DETAIL  
NO SCALE  
17 S6.2  
QANR02/17



REMODEL DETAIL  
NO SCALE  
18 S6.2  
QANR02/18

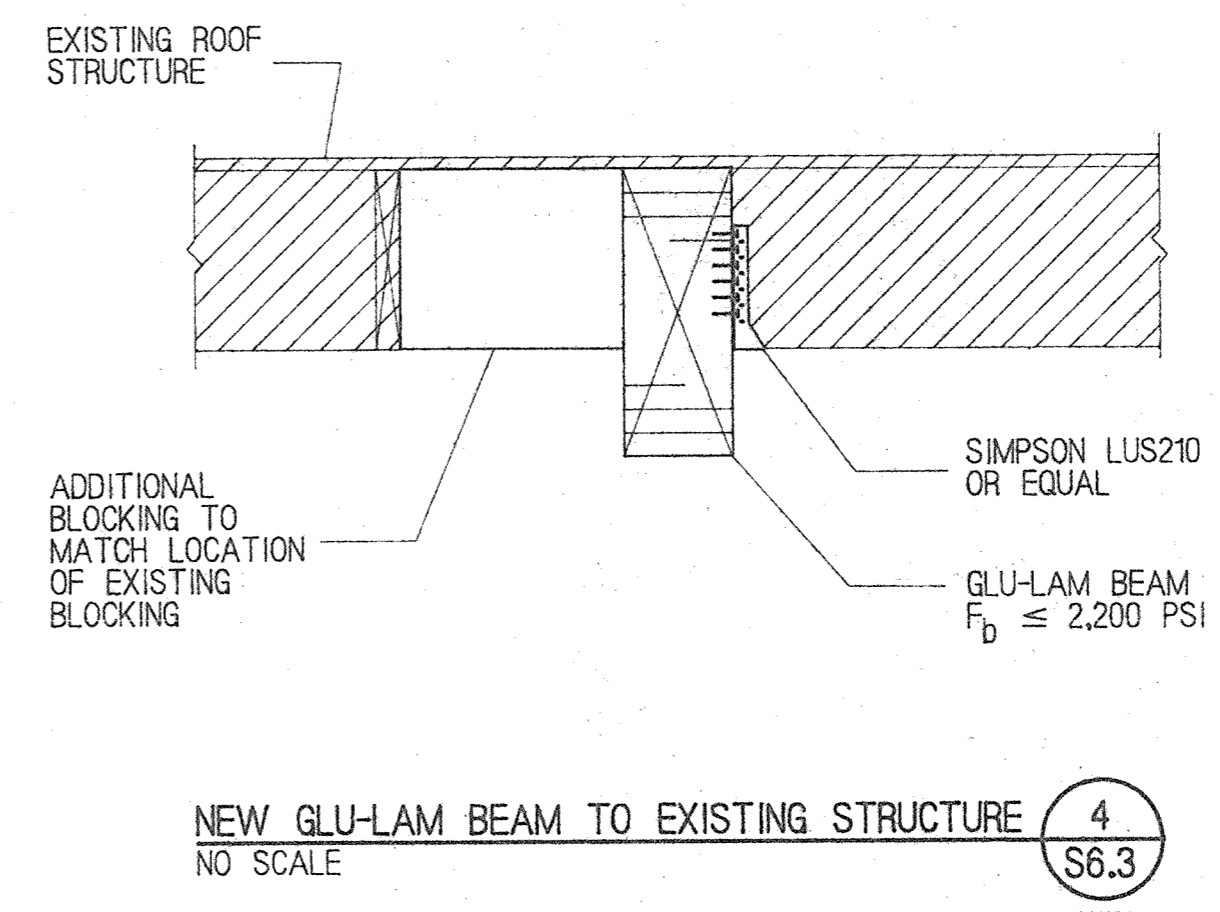
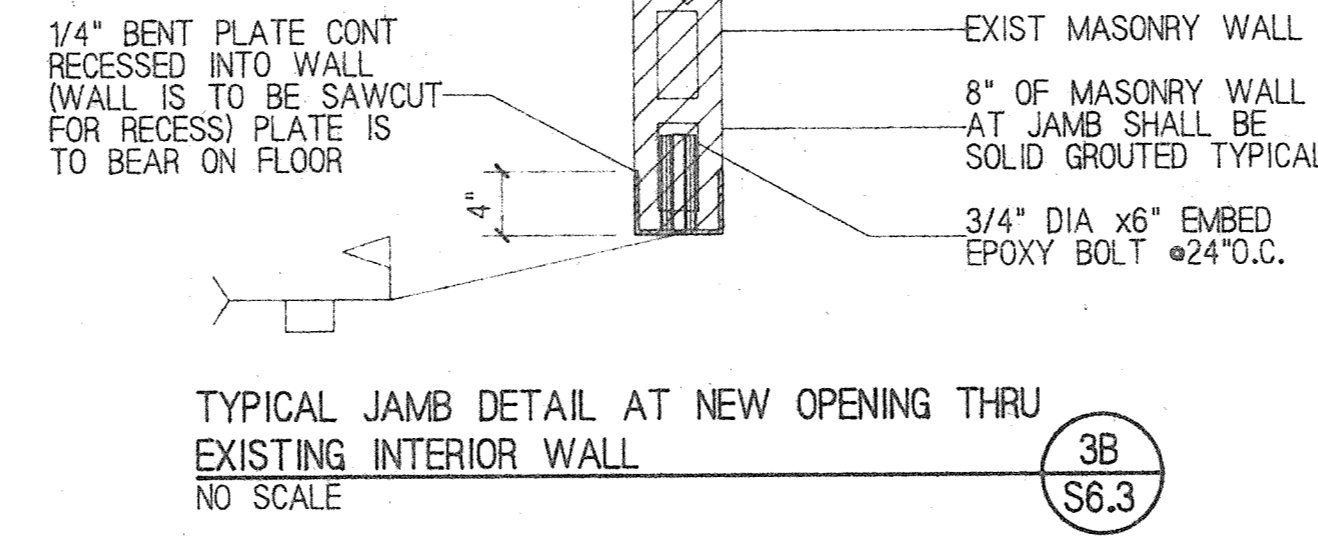
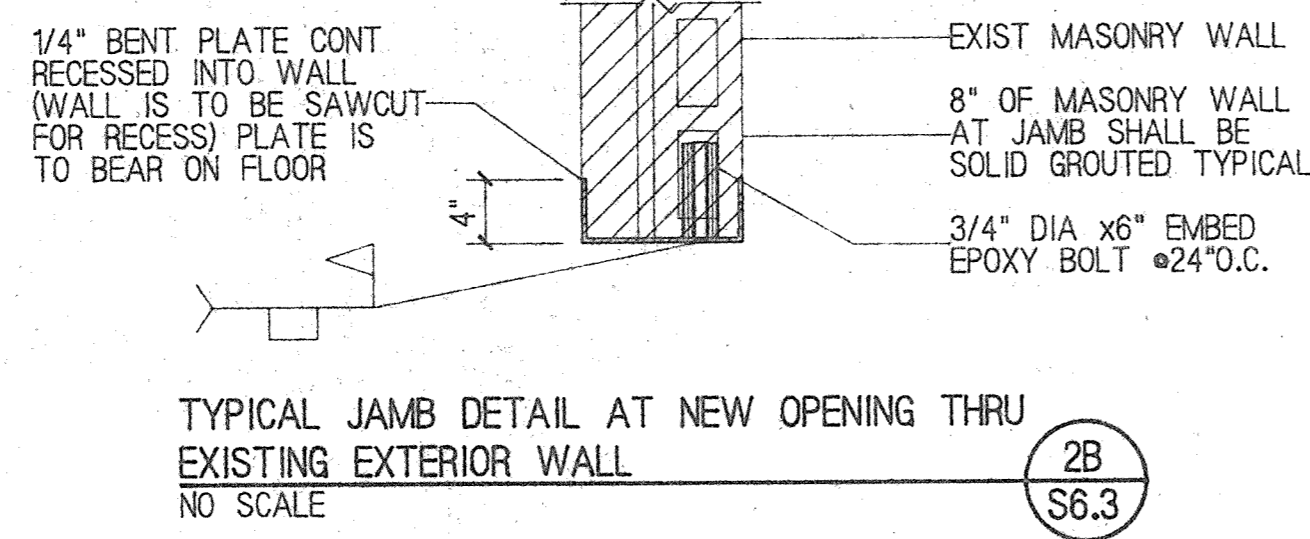
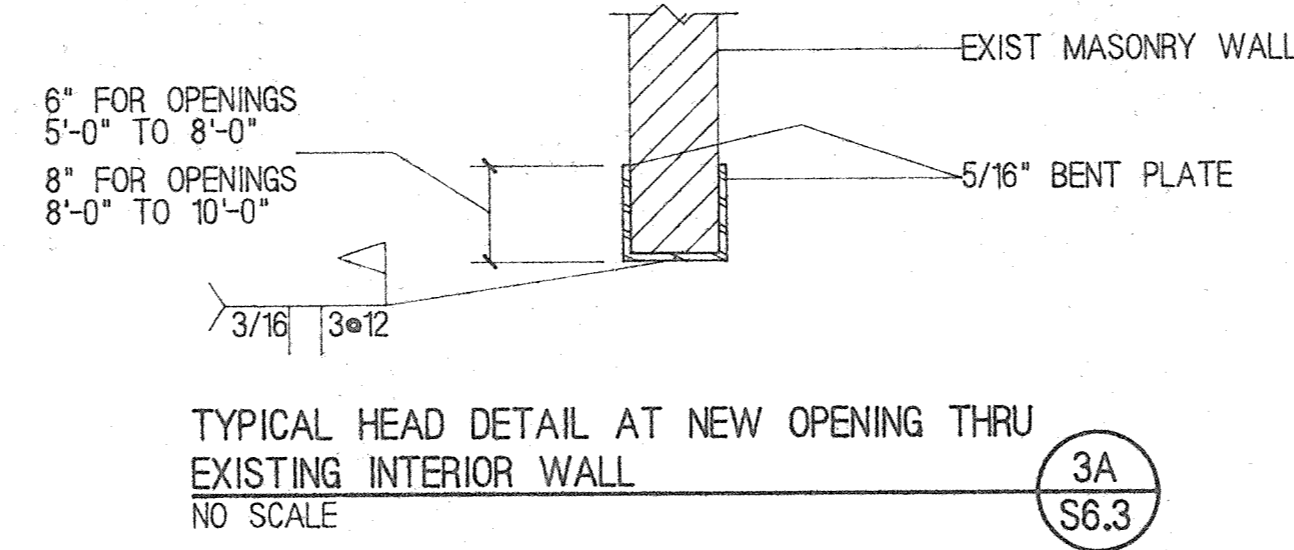
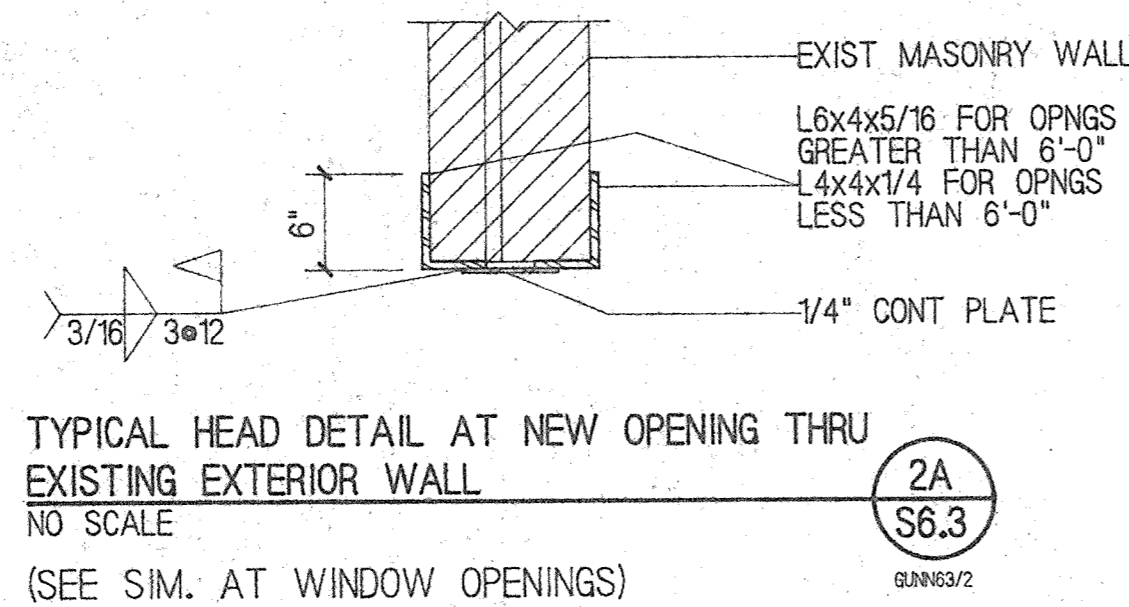
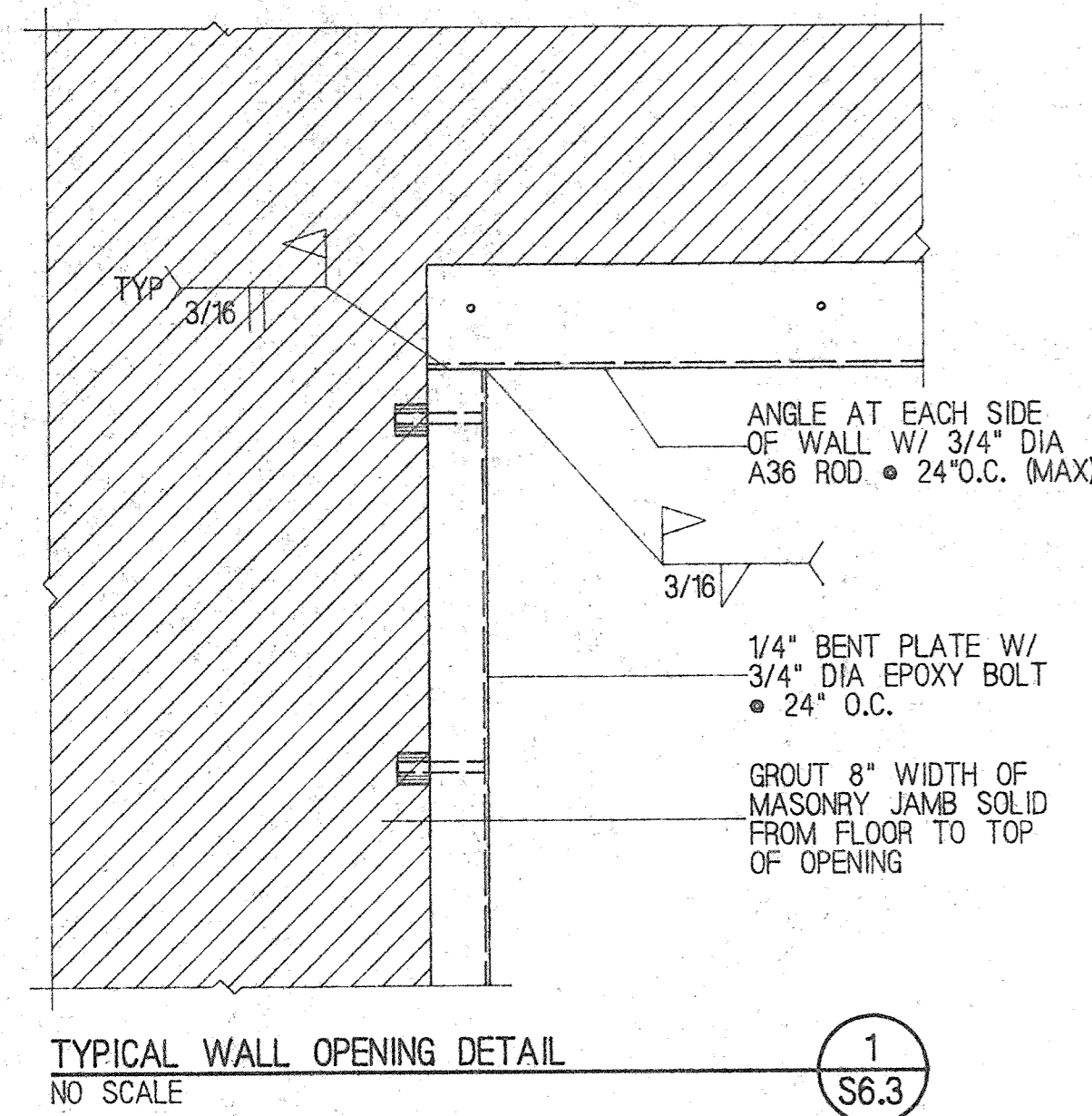


EXISTING BEAM TO NEW GLU-LAM BEAM  
NO SCALE  
19 S6.2  
QANR02/19



GLU-LAM BEAM TO STEEL COLUMN  
NO SCALE  
20 S6.2  
QANR02/20





### DEMOLITION GENERAL NOTES

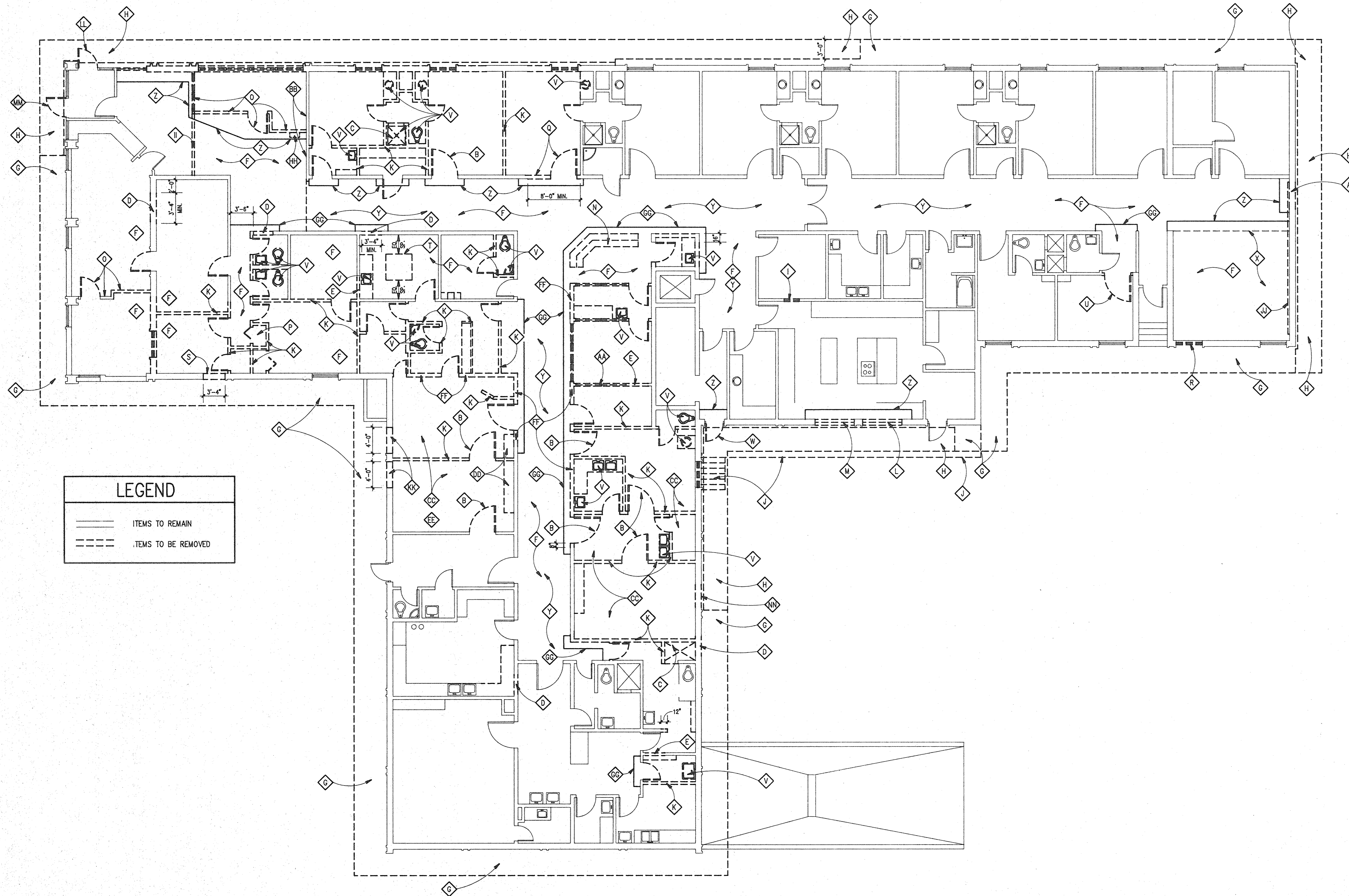
- GENERAL CONTRACTOR TO PROVIDE ALL DEMOLITION REQUIRED TO PERFORM NEW CONSTRUCTION.
- GENERAL CONTRACTOR TO COORDINATE DEMOLITION REQUIRED BY HVAC, PLUMBING AND ELECTRICAL CONTRACTORS.
- SEE MECHANICAL, PLUMBING & ELECTRICAL SHEETS FOR DEMOLITION PERFORMED BY THE RESPECTIVE TRADES (SUB-CONTRACTORS). SEE SHEET D1 ONLY SHOWS GENERAL DEMOLITION OF THE ABOVE LISTED TRADES. SUBCONTRACTORS OF MECHANICAL, PLUMBING AND ELECTRICAL ARE RESPONSIBLE FOR THEIR OWN DEMOLITION.
- REMOVE ALL BASE MOULDINGS IN ROOMS SHOWN TO RECEIVE NEW FLOOR COVERINGS.
- REMOVE ALL CEILING TILES, FLOOR FINISHES AND WALL COVERINGS TO INSTALL NEW AS SHOWN ON SHEETS A8.1, A5.1 AND F1.1.
- REMOVE 5'-0" HIGH VINYL FROM CORRIDOR WALLS AT CORRIDORS 162, 131 AND 139. AND AT NEW PATIENT ROOM 163.
- REMOVE PATIENT HANDRAILS ALONG CORRIDOR 162 AND REINSTALL AFTER NEW WALL FINISHES ARE INSTALLED.

### GENERAL NOTES FOR PROJECT

- NO SMOKING WILL BE ALLOWED WITHIN THE CLOSED BUILDING.
- ALL METAL STUDS ON THE JOB MUST BE 20 GAUGE MINIMUM. (USE 2 - 18 GAUGE METAL STUDS @ DOOR JAMBS UNLESS NOTED OTHERWISE). SEE STRUCTURAL DRAWINGS FOR OTHER GAUGE STUDS REQUIRED.
- CONTRACTOR OR SUBCONTRACTORS SHOULD NOT PLAY RADIOS, TAPE RECORDERS OR OTHER SUCH DEVICES SO LOUD AS TO DISTURB ADJACENT PATIENT CARE AREAS.
- CONSTRUCTION PERSONNEL GOING TO AND FROM THE JOB SITE SHOULD DO SO IN A QUIET ORDERLY MANNER SO AS NOT TO DISTURB THE OPERATIONS OF THE PATIENT CARE AREAS.
- THE PROJECT WILL BE DONE IN 2 PHASES, SEE SPECIFICATIONS SECTION 01010.

### DEMOLITION KEY NOTES

- ◇ SAW CUT OPENING IN MASONRY WALL FOR NEW 4'-0"x7'-0" DOOR AND FRAME.
- ◇ REMOVE EXISTING 4'-0"x7'-0" DOOR AND FRAME.
- ◇ REMOVE EXISTING SHOWER CERAMIC TILE FLOOR, CEILING AND WALL. PREPARE AREA FOR NEW FINISHES.
- ◇ SAW CUT OPENING IN MASONRY WALL FOR NEW 3'-0" x 7'-0" DOOR & FRAME.
- ◇ REMOVE PORTION OF PLASTER & WIRE STUD WALL FOR NEW 3'-0" x 7'-0" DOOR AND FRAME.
- ◇ REMOVE EXISTING GLUE DOWN CARPETING.
- ◇ REMOVE ROOF FASCIA PANELS (THE CONTRACTOR SHOULD BE AWARE THE PANELS CONTAIN ASBESTOS AND SHOULD HIRE AN ASBESTOS ABATEMENT CONTRACTOR TO REMOVE AND DISPOSE OF THE PANELS). REMOVE PLASTER SOFFIT FROM WOOD 2x ROOF STRUCTURE.
- ◇ REMOVE ROOFING, ROOF DECK, ROOF FASCIA PANELS (SEE KEY NOTE G), SOFFIT PLASTER AND CUT WOOD ROOF STRUCTURE BACK FLUSH WITH EXISTING WALL FOR CLEARANCE OF THE NEW ROOF STRUCTURE.
- ◇ REMOVE PAST THRU DOOR AND FRAME TO KITCHEN.
- ◇ REMOVE EXISTING CONCRETE DOCK AND CONCRETE STAIRS TO A POINT BELOW GRADE WHICH WILL NOT INTERFERE WITH NEW CONSTRUCTION.
- ◇ REMOVE NON BEARING PLASTER AND WIRE METAL STUD WALL.
- ◇ REMOVE EXISTING WINDOW, PREPARE OPENING FOR PLASTER INFILL ON KITCHEN SIDE TO MATCH EXISTING ADJACENT PLASTER WALLS.
- ◇ REMOVE EXISTING WINDOW, SAW CUT MASONRY WALL BELOW WINDOW TO RECEIVE NEW OVERHEAD COILING DOOR. SEE DOOR SCHEDULE AND DETAILS TO DETERMINE SIZE OF MASONRY OPENING REQUIRED FOR DOOR AND COUNTER TOP.
- ◇ REMOVE EXISTING NURSE STATION MILLWORK.
- ◇ REMOVE EXISTING WALLS, WINDOWS AND DOOR AS SHOWN. WALLS ARE BUILT TO BOTTOM OF EXISTING CEILING. (NON BEARING).
- ◇ CAREFULLY REMOVE AND RELOCATE COMPUTER EQUIPMENT AND LINES FROM THIS ROOM TO THE NEW TELEPHONE ROOM. CONTRACTOR TO FIELD VERIFY. (SEE ELECTRICAL DRAWINGS).
- ◇ REMOVE 4'-0" x 7'-0" DOOR & MASONRY/PLASTER WALL FOR NEW 8'-0" WIDE CORRIDOR. REMOVE TO A HEIGHT OF MIN. 8" FROM CEILING FOR NEW HEADER. SEE 14.A.4.
- ◇ REMOVE WINDOW AND PREPARE OPENING FOR NEW MASONRY INFILL.
- ◇ SAW CUT C.M.U. & BRICK VENEER WALL FOR NEW 3'-4" x 6'-0" WINDOW. TOP OF WINDOW @ 8'-11" ABOVE FLOOR. REMOVE ALL MASONRY ABOVE WINDOWS. SEE DETAILS SHOWN FOR NEW WINDOW "J".
- ◇ REMOVE 4"x4" SECTION OF ROOF & DECK FOR NEW SKYLIGHT. LEAVE ROOF STRUCTURE IN PLACE. SEE DETAIL 7/A5.2.
- ◇ REMOVE EXISTING DOOR, FRAME & HARDWARE, RELOCATE AS SHOWN ON A1.1. REMOVE PORTION OF WALL TO MAKE SMOOTH WALL TRANSITIONS.
- ◇ REMOVE PLUMBING FIXTURE AND CAP PIPING BELOW FLOOR.
- ◇ REMOVE DOOR, HARDWARE & FRAME AND SAW CUT (MASONRY) OPENING WIDTH OF INTERIOR CORRIDOR FOR INSTALLATION OF NEW 3'-0" x 7'-0" DOOR AND FRAME.
- ◇ REMOVE CURTAIN AND LIGHTING FROM THE CEILING.
- ◇ REMOVE LIGHTS, CEILING TILE & GRID. CLEAN MECHANICAL GRILLES, ETC. WHICH WILL REMAIN. (PROTECT EXISTING FIRE SPRINKLER HEAD). REMOVE LIGHT ONLY AS INSTALLING NEW LIGHTS.
- ◇ ERECT DUST BARRIERS AS SHOWN DURING PHASE I OF BUILDING PROJECT.
- ◇ REMOVE WALL OPENING IN EXISTING PLASTER WALL FOR NEW WINDOW.
- ◇ REMOVE WOOD PANELING FROM WALL.
- ◇ REMOVE FLOOR COVERINGS.
- ◇ REMOVE MILLWORK.
- ◇ CERAMIC TILE ON WALLS TO REMAIN. WALL WILL BE FURRED OUT. REMOVE MASONRY WALL, SUPPORT ROOF STRUCTURE AS REQUIRED BEFORE NEW WALL IS INSTALLED.
- ◇ ERECT DUST BARRIER DURING PHASE 2 WORK.
- ◇ REMOVE PHONE.
- ◇ REMOVE WOOD HEADER, SPRINKLERS IN THIS AREA TO BE REWORKED.
- ◇ REMOVE AND SALVAGE PATIENT HANDRAILS FOR OWNER.
- ◇ SAW CUT CMU & BRICK VENEER WALL FOR NEW WINDOW TYPE "I". REMOVE OPENING TO HEIGHT OF 8'-11".
- ◇ REMOVE AND SALVAGE EXISTING DOOR FOR REUSE.
- ◇ REMOVE EXISTING DOOR FROM FRAME.
- ◇ SAW CUT OPENING FOR NEW WINDOW TYPE "B".



**LEGEND**

——— ITEMS TO REMAIN

- - - - - ITEMS TO BE REMOVED

**MAIN FLOOR DEMOLITION PLAN**  
SCALE 1/8"=1'-0"

FLOOR PLAN GENERAL NOTES:

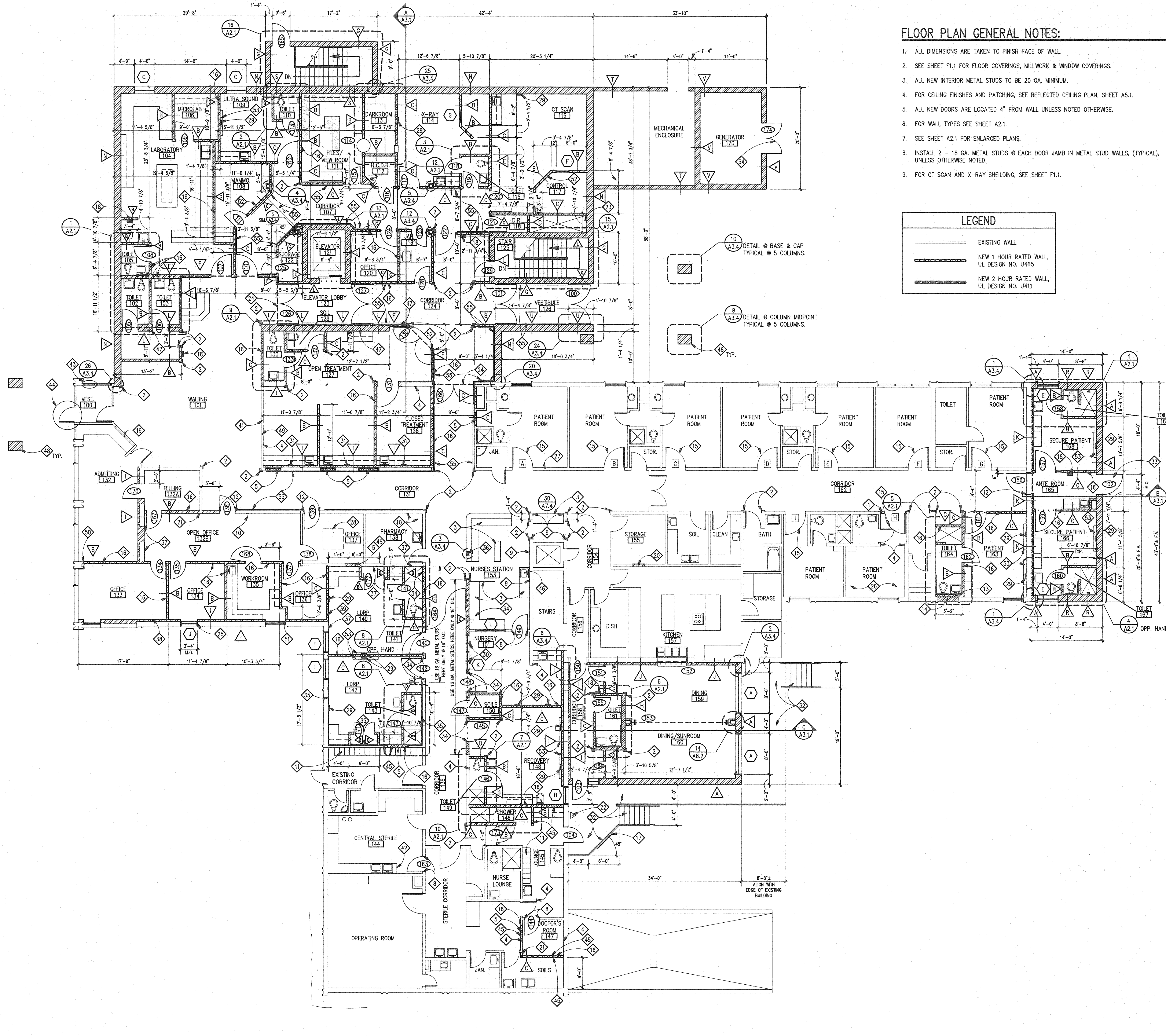
1. ALL DIMENSIONS ARE TAKEN TO FINISH FACE OF WALL.
2. SEE SHEET F1.1 FOR FLOOR COVERINGS, MILLWORK & WINDOW COVERINGS.
3. ALL NEW INTERIOR METAL STUDS TO BE 20 GA. MINIMUM.
4. FOR CEILING FINISHES AND PATCHING, SEE REFLECTED CEILING PLAN, SHEET A5.1.
5. ALL NEW DOORS ARE LOCATED 4" FROM WALL UNLESS NOTED OTHERWISE.
6. FOR WALL TYPES SEE SHEET A2.1.
7. SEE SHEET A2.1 FOR ENLARGED PLANS.
8. INSTALL 2 - 18 GA. METAL STUDS @ EACH DOOR JAMB IN METAL STUD WALLS, (TYPICAL), UNLESS OTHERWISE NOTED.
9. FOR CT SCAN AND X-RAY SHIELDING, SEE SHEET F1.1.

LEGEND

	EXISTING WALL
	NEW 1 HOUR RATED WALL, UL DESIGN NO. U465
	NEW 2 HOUR RATED WALL, UL DESIGN NO. U411

FLOOR PLAN KEY NOTES:

1. MOVE EXISTING DOOR TO BE FLUSH WITH EXISTING CORRIDOR WALL. INFILL AROUND DOOR WITH 3 5/8" METAL STUDS AND PLASTER SYSTEM TO MATCH EXISTING WALL. CARRY WALL UP TO STRUCTURE AND SEAL. (1 HOUR RATING).
2. CORNER GUARDS, FULL HEIGHT, SEE SPECIFICATIONS.
3. SYSTEMS FURNITURE BY OWNER, CONSTRUCTION CONTRACTOR TO COORDINATE INSTALLATION WITH SUPPLIER.
4. PLASTER PATCH END OF WALL, FEATHER INTO EXISTING WALL.
5. INFILL OLD DOORWAY WITH MIN. 3 5/8" METAL STUDS (20 GA.) DRYWALL BACKER BOARD AND PLASTER FINISH TO MATCH EXISTING WALL. (FIELD VERIFY WALL THICKNESS).
6. INFILL WALL OPENING WITH MIN. 3 5/8" METAL STUDS @ 16" O.C. WITH DRYWALL BACKER BOARD AND PLASTER FINISH TO MATCH EXISTING WALL, CARRY TO BOTTOM OF STRUCTURE FOR ONE HOUR RATING.
7. PLASTER PATCH END OF WALL WHERE PLASTER AND WIRE STUD WALL WAS REMOVED.
8. INSTALL TWO 18 GA. METAL STUDS INTO EXISTING PLASTER WALL TO FRAME IN NEW DOOR. PLASTER PATCH AROUND NEW DOOR FRAME.
9. PLASTER PATCH WHERE PLASTER WALL WAS REMOVED.
10. PLASTER PATCH WHERE RESTROOM WALL WAS REMOVED. ALSO PATCH CONCRETE FLOOR, INFILL FLOOR @ OLD WATER CLOSET LOCATION & PIPE PENETRATIONS WITH 1/8" PLATE WELDED TO BOTTOM OF METAL DECKING AND FILL WITH CONCRETE.
11. METAL LOCKERS, BY OWNER. (N.I.C.)
12. PLASTER PATCH AROUND NEW DOOR FRAME IN EXISTING MASONRY/PLASTER WALL.
13. FUR INSIDE OF EXTERIOR WALL WITH WALL TYPE J.
14. INFILL EXISTING WINDOW OPENING WITH 6" C.M.U. & BRICK VENEER TO MATCH EXISTING BRICK VENEER.
15. ADD HOLD OPEN CLOSER TO DOOR WHICH IS CONTROLLED BY FIRE ALARM SYSTEM. SEE SPECIFICATIONS FOR TYPE OF CLOSER USED. USE AT DOORS LISTED [A] THRU [I].
16. PROVIDE 3" SOUND ATTENUATION BATT IN THIS WALL.
17. NEW GRILLES FOR EMERGENCY GENERATOR FRESH AIR, SEE ELECTRICAL DRAWINGS.
18. NEW FIRE EXTINGUISHER BOTTLE AND CABINET, SEE SPECIFICATIONS. SEE DETAIL 13/A3.4.
19. EXISTING ROLL-UP COUNTER DOOR & ALARM HOOK-UP TO REMAIN, PROTECT FROM DAMAGE.
20. INFILL OLD PASS THRU WITH METAL STUDS & PLASTER PATCH OPENING.
21. ALIGN NEW WALL WITH EXISTING.
22. REMOVE EXISTING COMMUNICATIONS TOWER & REINSTALL ON NEW DOCK, SEE ELECTRICAL DRAWINGS.
23. MECHANICAL CHASE, SEE MECHANICAL DRAWINGS.
24. USE WALL TYPE "F" ABOVE THE DOORS @ THE CORRIDOR.
25. ALIGN EDGE OF NEW WINDOW UP WITH EDGE OF MASONRY COLUMN.
26. REPAINT PATIENT ROOM DUE TO CONSTRUCTION.
27. MOVE PHONES & NURSE CALL TO THIS LOCATION DURING INTERIOR REMODEL PHASE II OF THE PROJECT, SEE ELECTRICAL DRAWINGS.
28. NEW 4'x4' SKYLIGHT @ CEILING. SEE REFLECTED CEILING PLAN FOR LOCATION.
29. MEDICAL GAS OUTLET LOCATIONS (MOUNT T.O. UNIT 48" ABOVE FINISH FLOOR). SEE PLUMBING DRAWINGS FOR TYPES OF GASES.
30. MEDICAL GAS OUTLET LOCATIONS (MOUNT T.O. UNIT 32" ABOVE FINISH FLOOR). SEE PLUMBING DRAWINGS FOR TYPES OF GASES.
31. MEDICAL GAS OUTLET LOCATIONS, SEE PLUMBING DRAWINGS FOR TYPES OF GASES.
32. NEW DOCK, GUARDRAILS, HANDRAILS AND STAIRS, SEE SHEET SD1.
33. NEW CONCRETE STAIRWAY AND RAILINGS OUTSIDE DOOR 102, SEE SHEET SD2.
34. USE 16 GAUGE METAL STUDS AT THIS SECTION OF WALL @ 16" O.C. SEE STRUCTURAL DRAWINGS FOR HEADER DETAILS. MATCH EXISTING WALL THICKNESS.
35. FUR OUT EXISTING WALLS IN ROOM (NORTH, SOUTH & WEST) WITH 3/4" HAT CHANNELS @ 16" O.C. & 5/8" GYPSUM BOARD TO COVER DEMOLITION DAMAGE FROM WALL & TO COVER CERAMIC TILE.
36. FIELD VERIFY EXACT LOCATION TO MATCH EXISTING STRUCTURAL BEAM LOCATIONS. SEE DETAIL 3/A3.4.
37. FUR OUT EXISTING WALL TO COVER OLD DEMOLITION DAMAGE IN EXISTING PLASTER WALL WITH 3/4" HAT CHANNELS @ 16" O.C. & 5/8" GYPSUM BOARD.
38. COLUMN IN WALL, SEE STRUCTURAL DRAWINGS.
39. ALIGN NEW WALL FLUSH WITH FURRED OUT WALL.
40. NEW METAL STUD AND GYPSUM BOARD WALL TO MATCH EXISTING. SKIM W/ PLASTER TO MATCH EXISTING WALL. MATCH EXISTING WALL THICKNESS.
41. FUR WALL W/ GYPSUM BOARD TO MATCH ADJACENT WALL (WHERE WOOD PANELING WAS REMOVED).
42. PATCH EDGE OF EXISTING MILLWORK TO MATCH EXISTING.
43. INFILL STOREFRONT SYSTEM TO MATCH EXISTING AREA SOUTH OF WHERE DOOR WAS REMOVED. FIELD VERIFY EXTENT PRIOR TO SUBMITTING BID.
44. MODIFY STOREFRONT SWING TO RECEIVE SALVAGED DOOR. (DOOR REPLACING HAS OPPOSITE SIDE SWING. FIELD VERIFY EXTENT PRIOR TO SUBMITTING BID.)
45. INSTALL NEW BASE THIS WALL TO MATCH EXISTING.
46. PLUMBING CONNECTIONS FOR FURNITURE SYSTEMS SUPPLIED SINK ONLY, SEE PLUMBING DRAWINGS.
47. SEE DETAILS AT SHEET A6.1 FOR 2 HOUR RATING.
48. FOR DIMENSIONS TO COLUMNS, SEE SHEET A1.2.
49. INFILL WALL ABOVE CEILING TO DECK & FILL W/ 3" SOUND ATTENUATION BLANKS.
50. ALIGN NEW WALL W/ EDGE OF EXISTING COLUMN.
51. ALIGN EDGE OF WALL W/ EDGE OF EXISTING WINDOW.
52. WALL @ 45° ANGLE.
53. ACROVYN BUMPER GUARD # BG-10
54. CENTER DOOR OPENING IN THE MASONRY WALL.
55. ACROVYN "HANDRAIL/BUMPER GUARD" MODEL NUMBER HRB-2C WITH CORNERS AS REQUIRED. MOUNT TOP OF RAIL 34" OFF FINISH FLOOR. SCALE LENGTH AS SHOWN ON DRAWING.



MAIN FLOOR PLAN  
SCALE 1/8" = 1'-0"

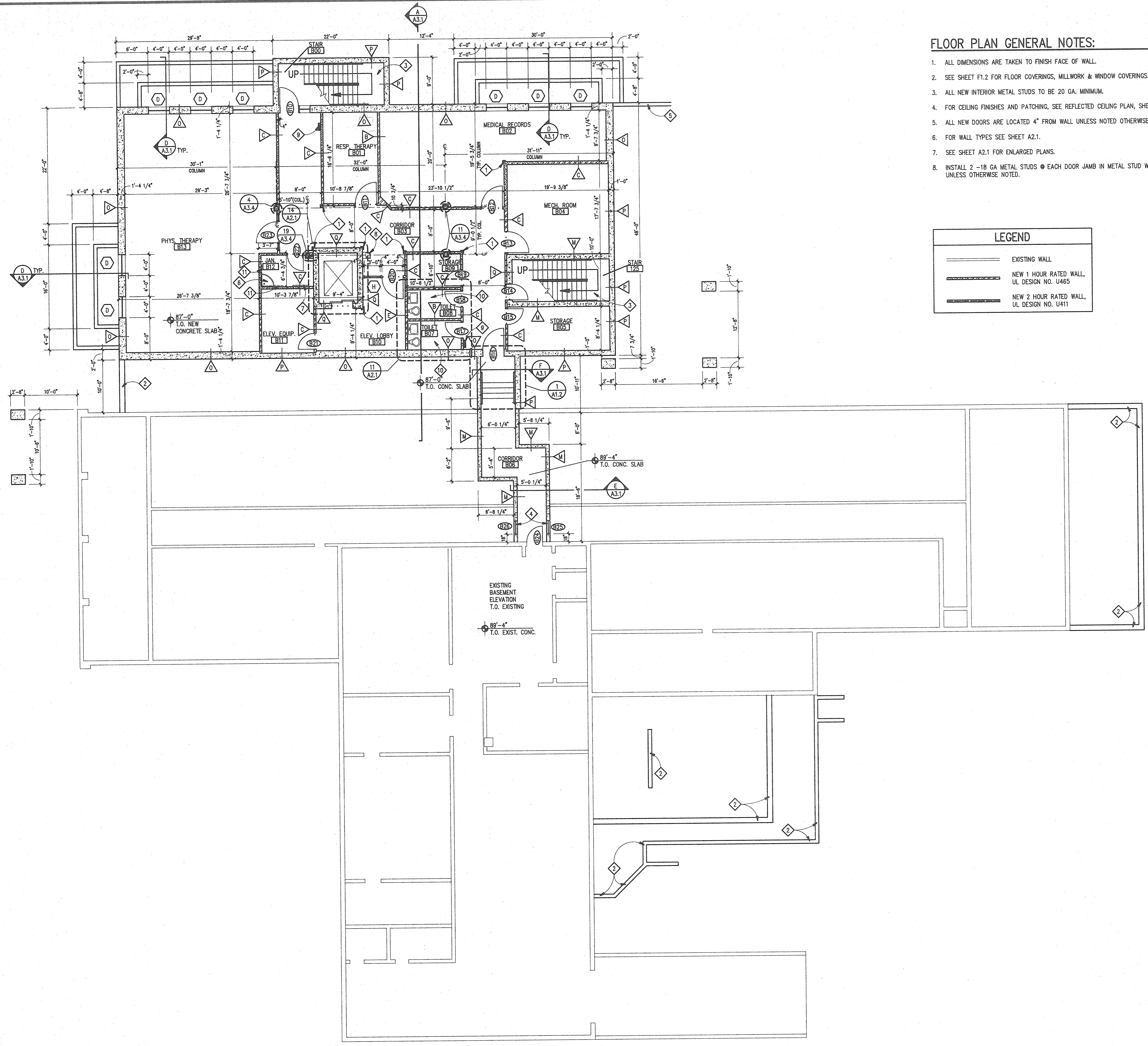
**FLOOR PLAN GENERAL NOTES:**

1. ALL DIMENSIONS ARE TAKEN TO FINISH FACE OF WALL.
2. SEE SHEET F1.2 FOR FLOOR COVERINGS, MILLWORK & WINDOW COVERINGS.
3. ALL NEW INTERIOR METAL STUDS TO BE 20 GA. MINIMUM.
4. FOR CEILING FINISHES AND PATCHING, SEE REFLECTED CEILING PLAN, SHEET A5.2.
5. ALL NEW DOORS ARE LOCATED 4" FROM WALL UNLESS NOTED OTHERWISE.
6. FOR WALL TYPES SEE SHEET A2.1.
7. SEE SHEET A2.1 FOR ENLARGED PLANS.
8. INSTALL 2 -18 GA METAL STUDS @ EACH DOOR JAMB IN METAL STUD WALLS, (TYPICAL), UNLESS OTHERWISE NOTED.

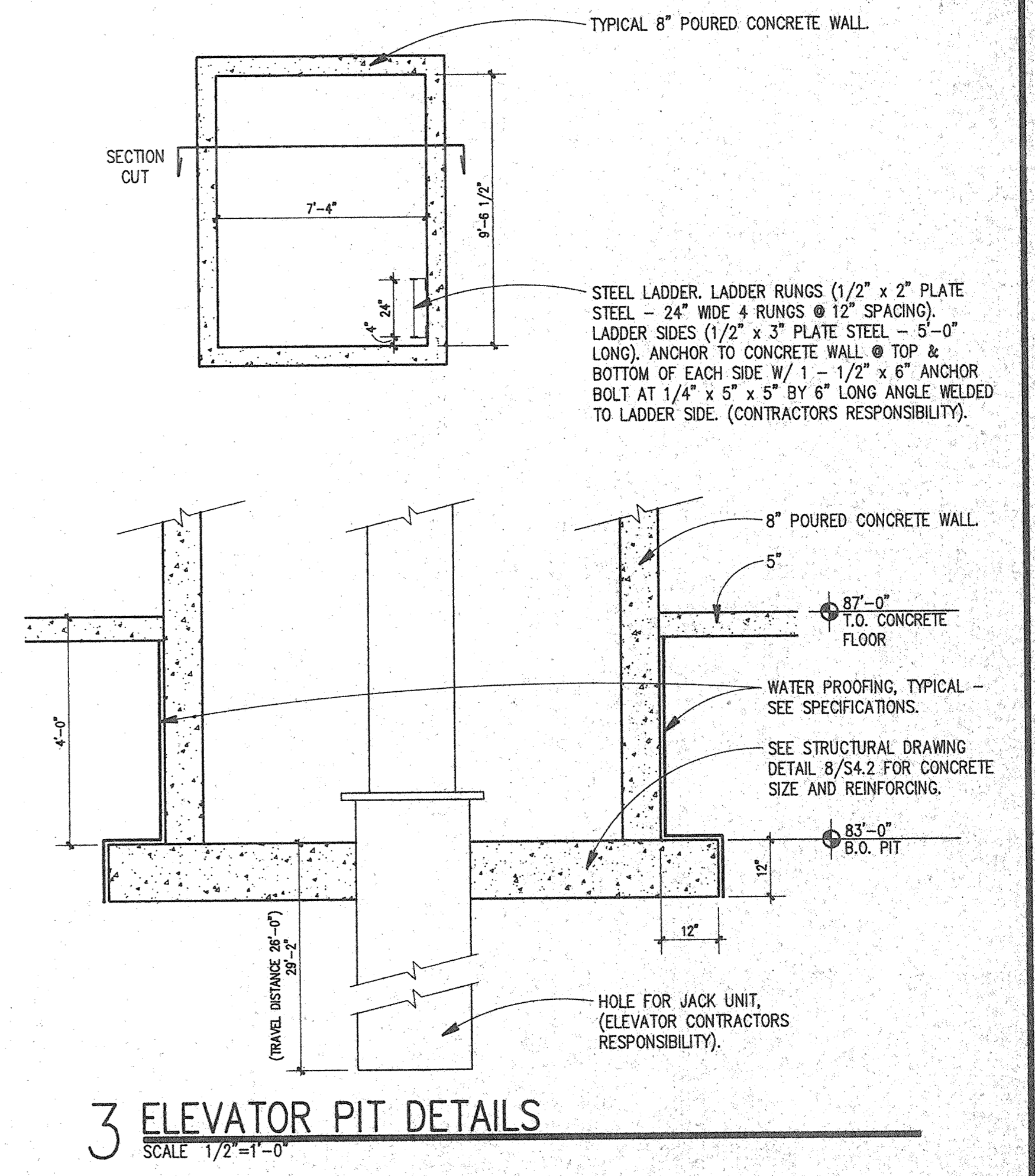
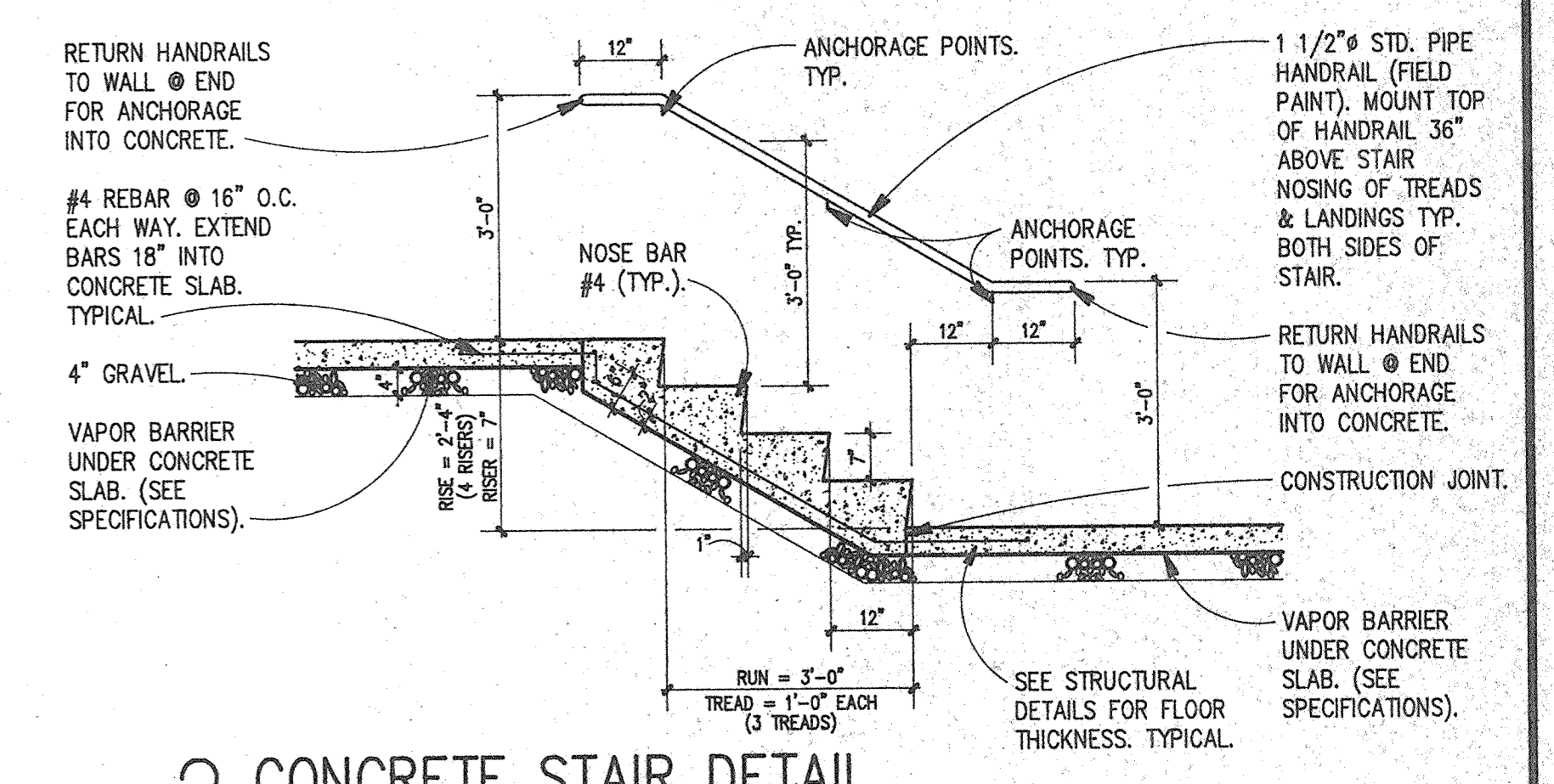
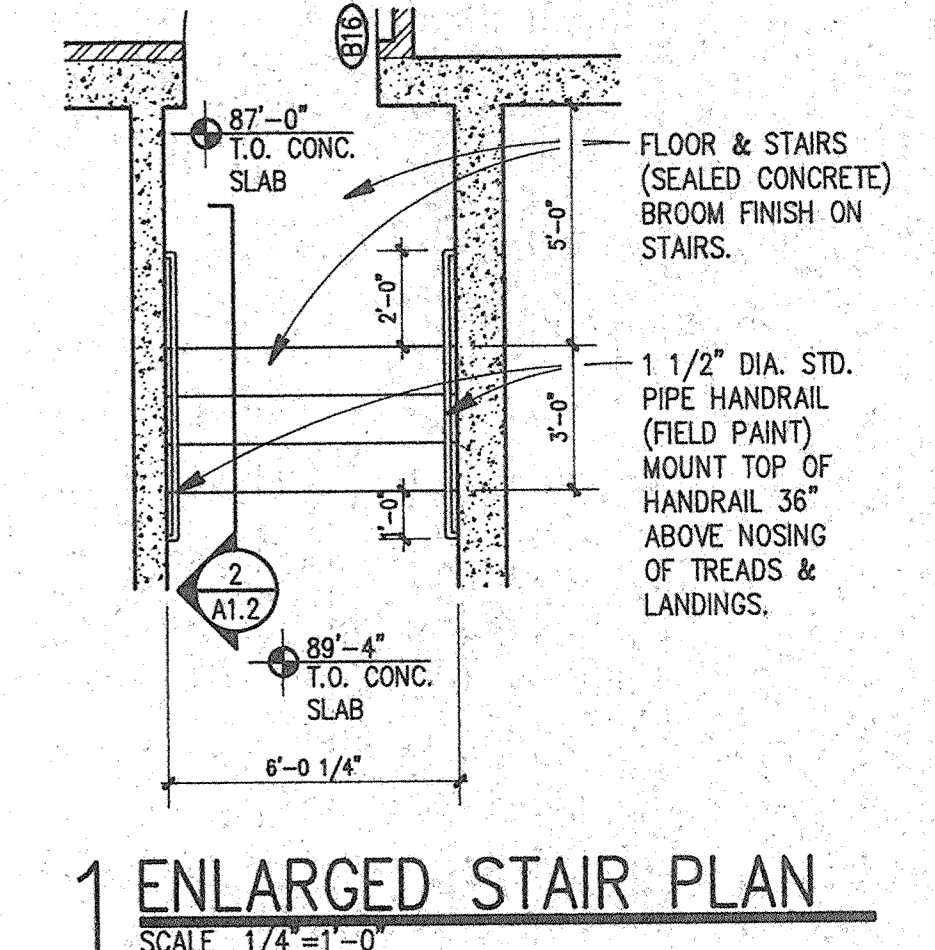
**FLOOR PLAN KEY NOTES:**

1. CORNER GUARDS (FULL HEIGHT). SEE SPECIFICATIONS.
2. NEW FOUNDATION WALLS, SEE STRUCTURAL DRAWINGS.
3. SEE SHEET A1.1 FOR LOCATION OF ENLARGED STAIR PLAN.
4. 30" x 30" 1 HOUR FIRE RATED WALL ACCESS DOOR. SEE DETAIL 24/A8.2. MOUNT BOTTOM OF DOOR 3'-0" OFF FINISH FLOOR.
5. MECHANICAL ENCLOSURE FOUNDATION, SEE STRUCTURAL DRAWINGS.
6. CORNER MOP SINK, SEE PLUMBING DRAWINGS.
7. 36" MOP AND BROOM HOLDER, MOUNT 5'-0" OFF FINISH FLOOR TO TOP OF UNIT.
8. HANDICAP DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS.
9. NEW FIRE EXTINGUISHER BOTTLE AND CABINET, SEE SPECIFICATIONS. SEE DETAIL 13/A3.4.
10. RECESS CONCRETE SLAB 2" FOR THICKSET 2" x 2" CERAMIC TILE AT ROOMS B07 & B08.
11. 4'-0" HIGH CERAMIC TILE WALL FOR A DISTANCE OF 4'-0" FROM CORNER OF WALL.

LEGEND	
	EXISTING WALL
	NEW 1 HOUR RATED WALL, UL DESIGN NO. U465
	NEW 2 HOUR RATED WALL, UL DESIGN NO. U411

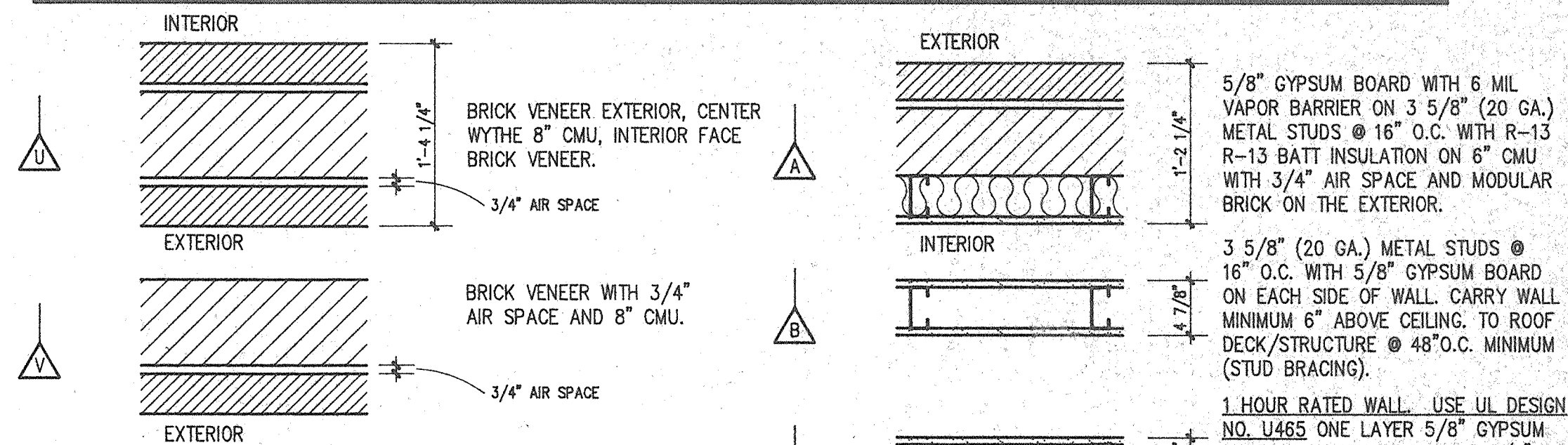


**LOWER FLOOR PLAN**  
SCALE 1/8" = 1'-0"



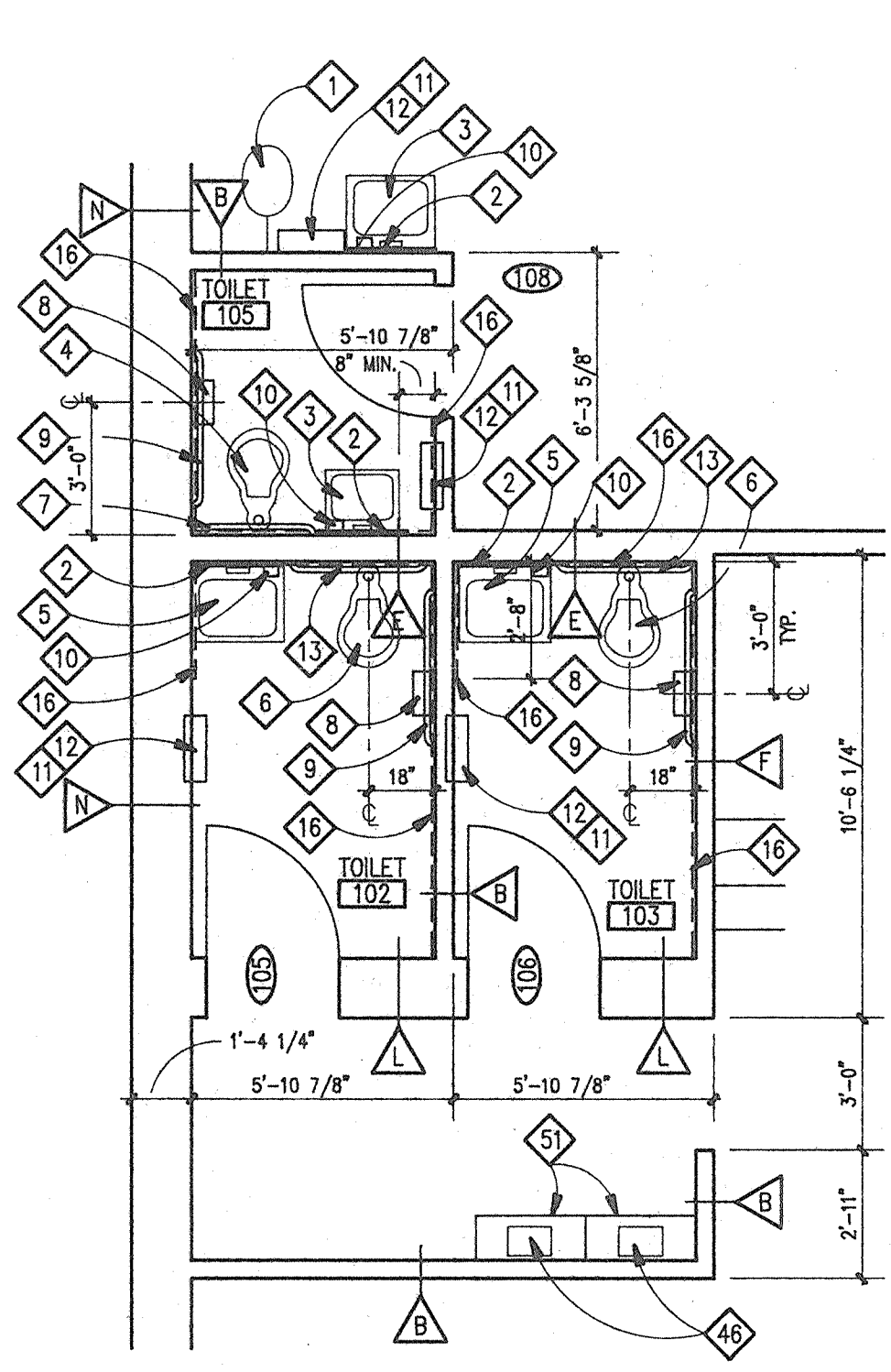
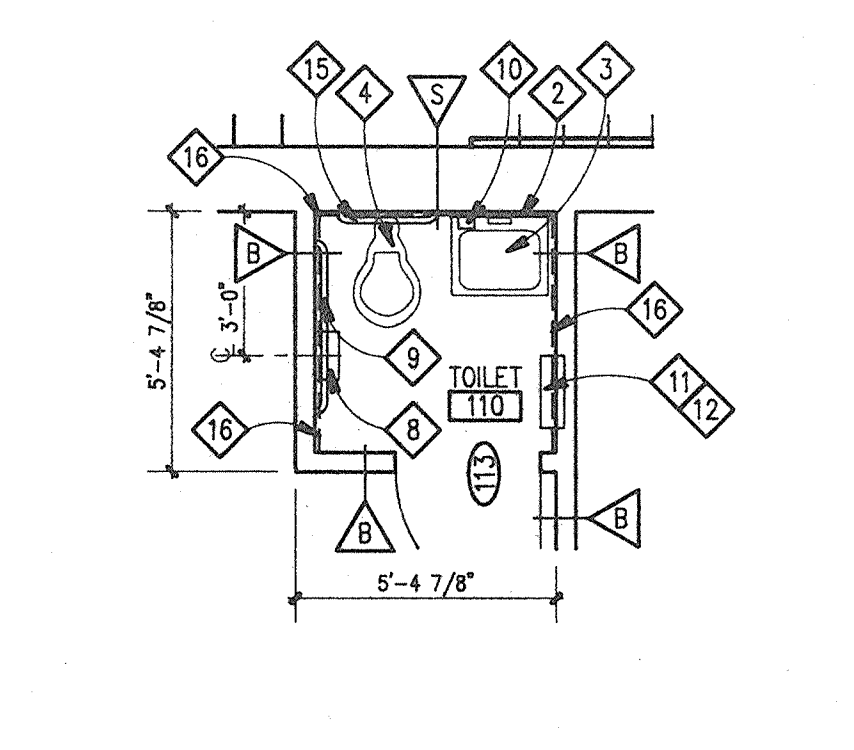
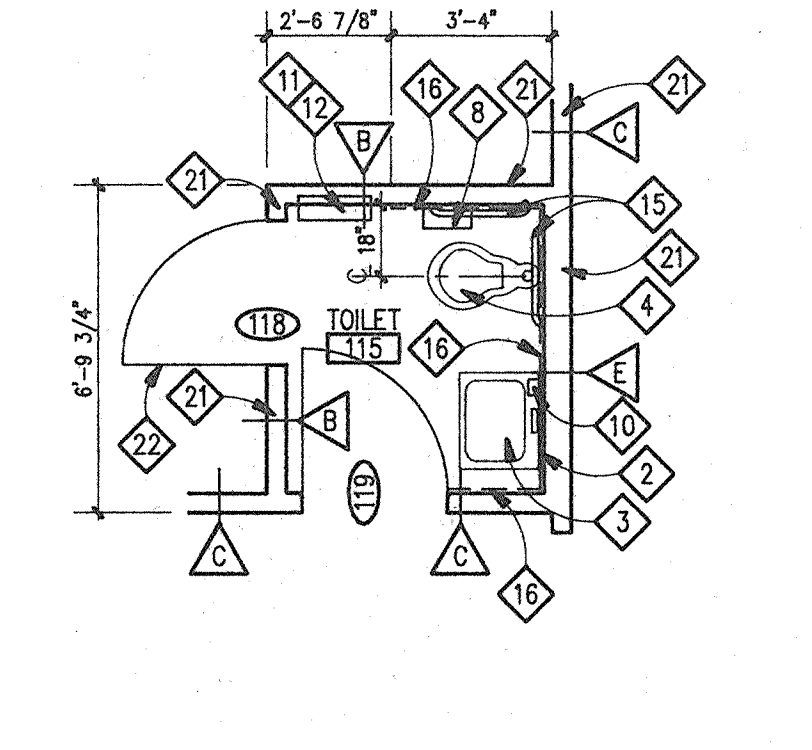
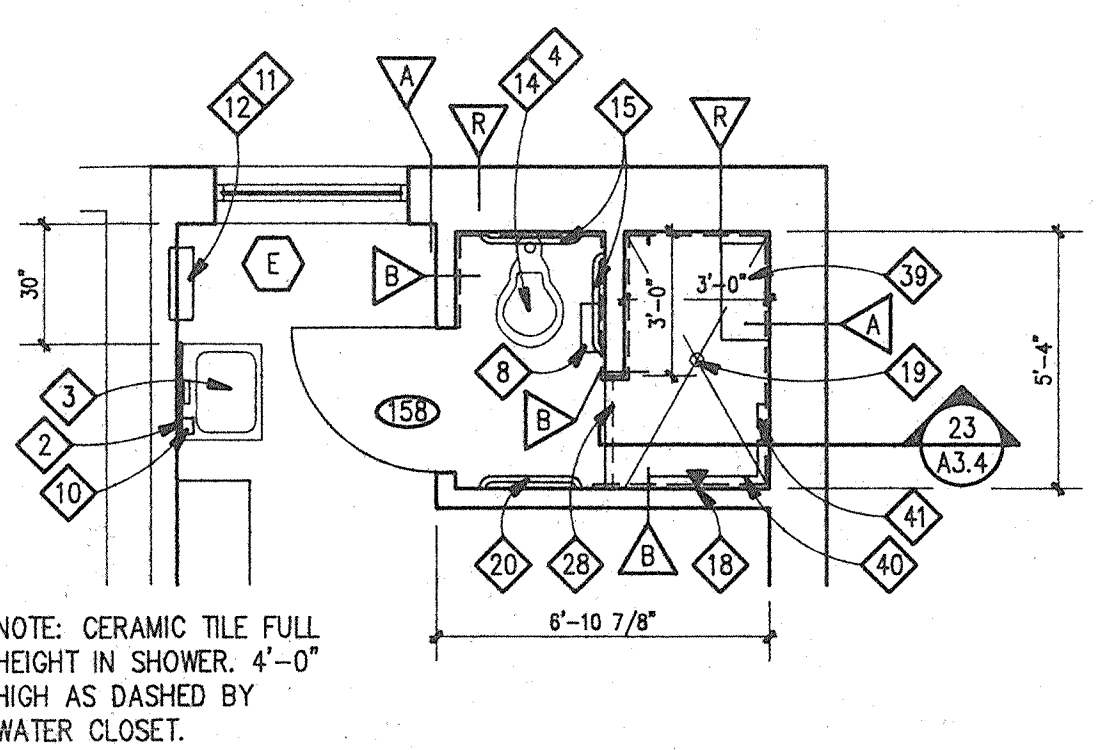
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WALL TYPES



ENLARGED PLAN KEY NOTES:

- EMERGENCY EYEWASH & SHOWER, SEE PLUMBING DRAWINGS.
42" x 24" WIDE MIRROR MOUNTED 3'-4" FROM B.O. MIRROR UNIT TO T.O. FINISH FLOOR.
HANDWASHING SINK, SEE PLUMBING DRAWINGS.
WATERCLOSET, SEE PLUMBING DRAWINGS.
HANDICAP HANDWASHING SINK, SEE PLUMBING DRAWINGS.
HANDICAP WATERCLOSET, SEE PLUMBING DRAWINGS.
30" LONG GRAB BAR MOUNTED 34" ABOVE FINISH FLOOR TO CENTER LINE OF GRAB BAR.
TOILET PAPER DISPENSER, MOUNT TOP OF UNIT 2'-5" ABOVE FINISH FLOOR.
42" LONG GRAB BAR MOUNTED 34" ABOVE FINISH FLOOR TO CENTER LINE OF GRAB BAR.
SOAP DISPENSER, MOUNT TOP OF UNIT 3'-4" ABOVE FINISH FLOOR.
SEMI-RECESSED WASTE DISPOSAL UNIT, MOUNT T.O. UNIT 3'-0" ABOVE FINISH FLOOR.
30" LONG GRAB BAR MOUNTED 34" ABOVE FINISH FLOOR TO CENTER LINE OF GRAB BAR.
PLACE WATER CLOSET CENTERED ON THE WALL.
24" LONG GRAB BAR MOUNTED 34" ABOVE FINISH FLOOR TO CENTER LINE OF GRAB BAR.
4'-0" HIGH CERAMIC WALL TILE (DASHED LINE).
FULL HEIGHT CERAMIC WALL TILE (DASHED LINE), ENTIRE SHOWER.
SHOWER HEAD, SEE PLUMBING DRAWINGS. MOUNT SO HEAD IS 72" OFF FINISH FLOOR.
FLOOR DRAIN, SEE PLUMBING DRAWINGS.
24" LONG TOWEL BAR, MOUNT CENTER OF TOWEL BAR 48" ABOVE FINISH FLOOR. (USE GRAB BAR FOR TOWEL BAR).
LEAD LINING @ WALL, SEE SHEET F1.1.
LEAD LINED DOOR, SEE DOOR SCHEDULE ON SHEET A8.1.
LEAD LINED WINDOW, SEE WINDOW ELEVATIONS ON SHEET A8.1.
DARKROOM DOOR, SEE SPECIFICATIONS.
NOT USED
NEW FIRE EXTINGUISHER BOTTLE & CABINET, SEE SPECIFICATIONS. SEE DETAIL 13/A3.4.
ELEVATOR, SEE SPECIFICATIONS.
SHOWER CURTAIN & ROD, SEE SPECIFICATIONS.
RETURN PIPE HANDRAIL & FASTEN TO CONCRETE WALL.
1 1/2" O.D. PIPE HANDRAIL (TYPICAL) FIELD PAINT, SEE DETAIL 7/A3.2.
T.O. STAIR LANDING METAL PAN. CONCRETE FILLED, SEE DETAIL 7/A3.2.
CENTER HANDRAIL (1 1/2" O.D. PIPE) 3 PIPE SYSTEM, SEE DETAIL 7/A3.2.
SEE DETAIL 7/A3.2 FOR TYPICAL STAIR DETAILING REQUIRED.
GUARDRAIL AT TOP LANDING, SEE DETAIL 6/A3.2.
ROBE HOOK(S), SEE SPECIFICATIONS. MOUNT 54" OFF FINISH FLOOR.
FIELD VERIFY EXACT DOOR LOCATION WITH ELEVATOR SUPPLIER.
CMU & BRICK VENEER INFILL.
FUR INSIDE WALL W/ WALL TYPE "J" WITH VAPOR BARRIER & R-13 BATT INSULATION.
FOLD UP SHOWER SEAT MOUNTED 18" ABOVE FINISH FLOOR, SEE SPECIFICATIONS.
SHOWER GRAB BAR, SEE "SHOWER GRAB BAR DIAGRAM" FOR SIZE & MOUNTING HEIGHTS AT "ACCESSORY MOUNTING HEIGHTS SCHEDULE".
SHOWER SOAP DISPENSER, CENTER OF UNIT MOUNTED 36" OFF FINISH FLOOR.
ALL CERAMIC TILE IN SHOWERS SHALL BE FULL HEIGHT.
USE WHITE MARBLE THRESHOLD FOR 1/2" TRANSITION INTO TOILET ROOM.
2' x 2' CERAMIC TILE FLOOR, THIN SET ON EXISTING CONCRETE FLOOR (MAX. 1/2" HEIGHT).
FOLDING DOOR JAMB, SEE DETAIL 14/A8.2.
LOCATION FOR TWO PHONES (PHONES N.I.C.), CONDUIT & JUNCTION BOX PART OF PROJECT.
16" x 16" LEAD LINED WALL PASS-THRU, SEE SPECIFICATIONS. MOUNT B.O. BOX 3'-8" OFF FINISH FLOOR.
EXISTING WALL.
24" WIDE x 60" HIGH MIRROR, MOUNT BOTTOM OF MIRROR 24" OFF FINISH FLOOR.
30" DEEP PLASTIC LAMINATE COUNTER TOP.
2-12"x30" LONG WALL HUNG PLASTIC LAMINATE SHELVES, ONE AT 42" HIGH AND SECOND SHELF AT NORTH PHONE 2'-5" FOR H.C. MOUNTED PHONE.
FIELD VERIFY DIMENSION WITH ELEVATOR SUPPLIER.

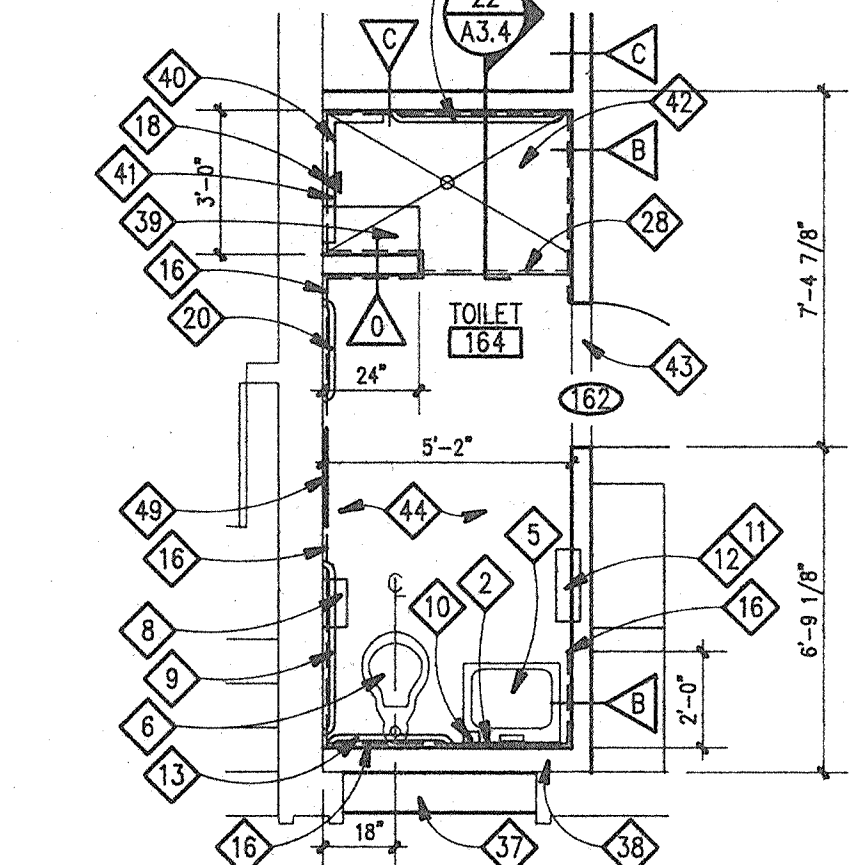
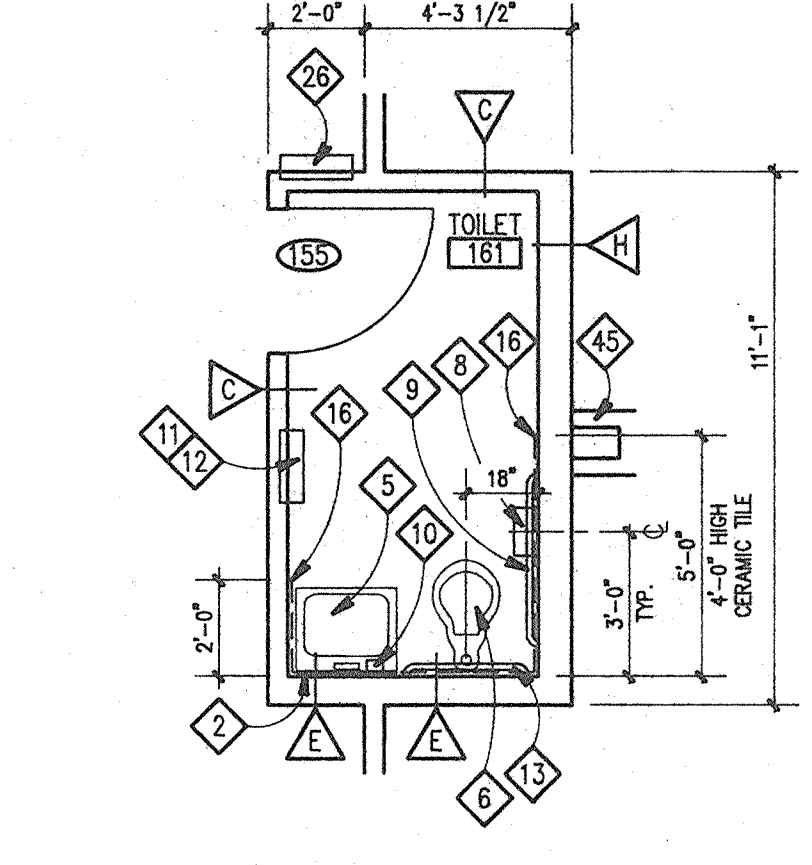
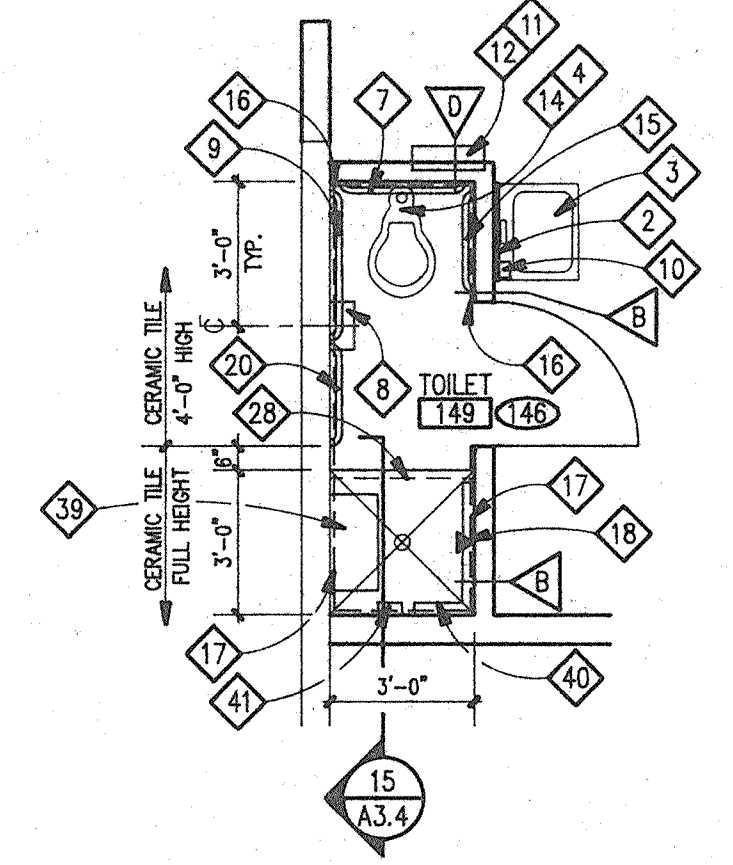


4 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

3 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

2 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

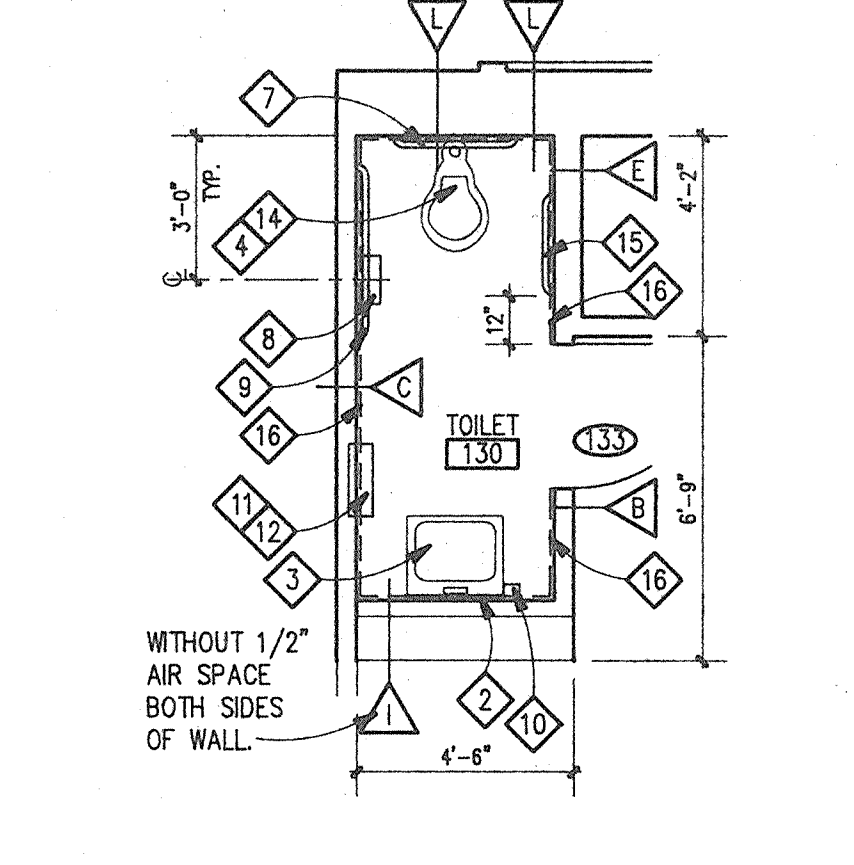
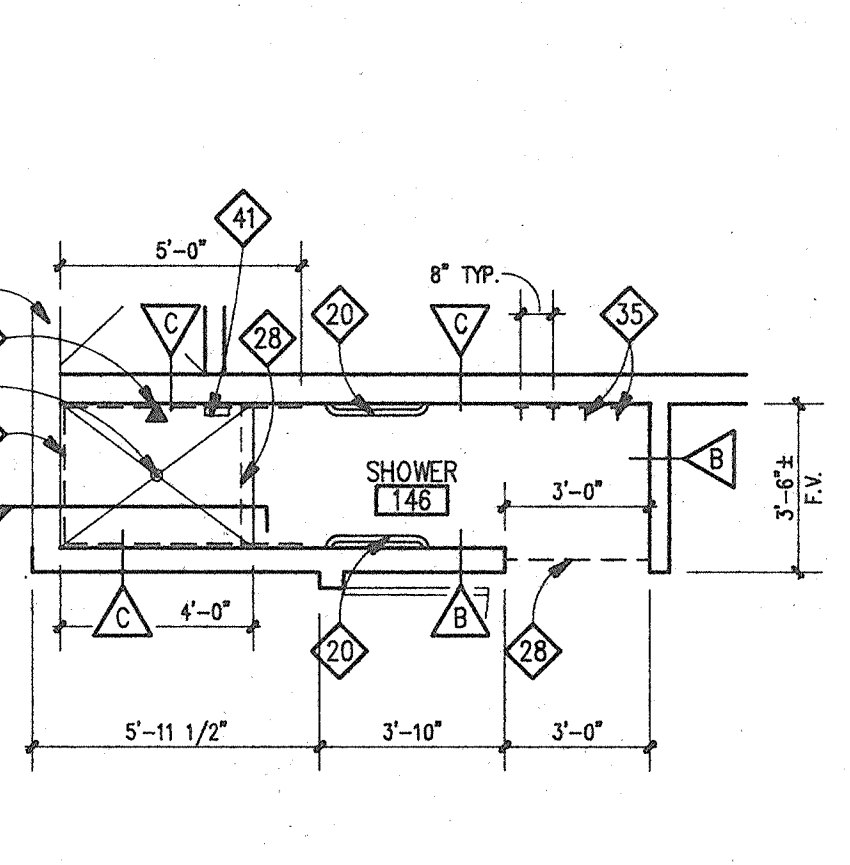
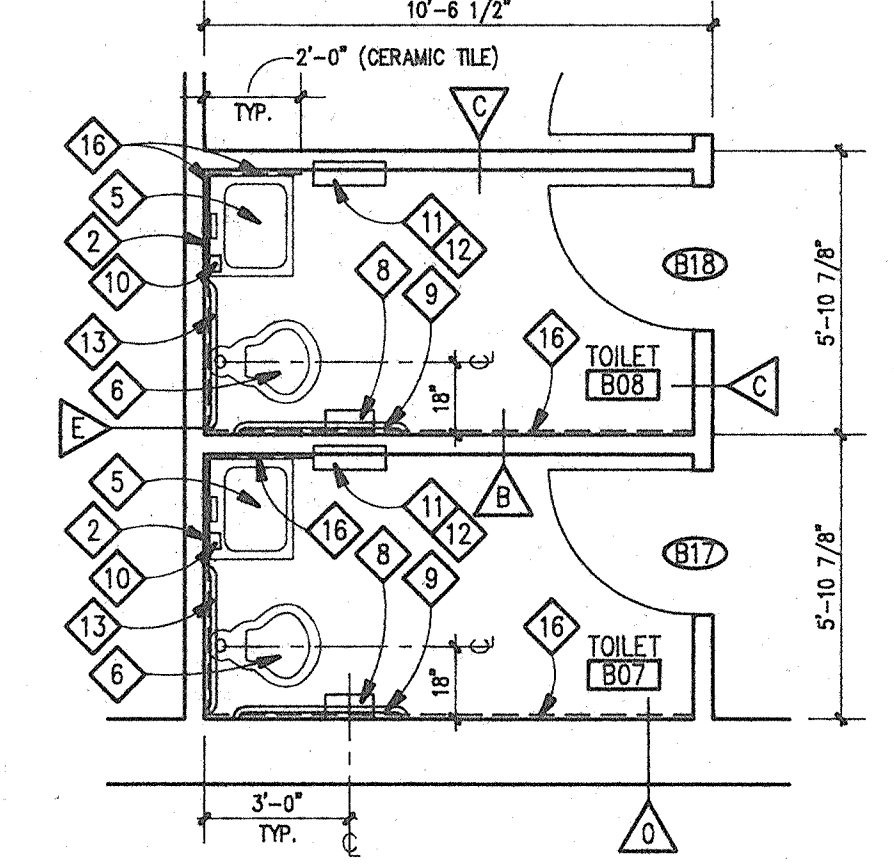
1 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"



7 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

6 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

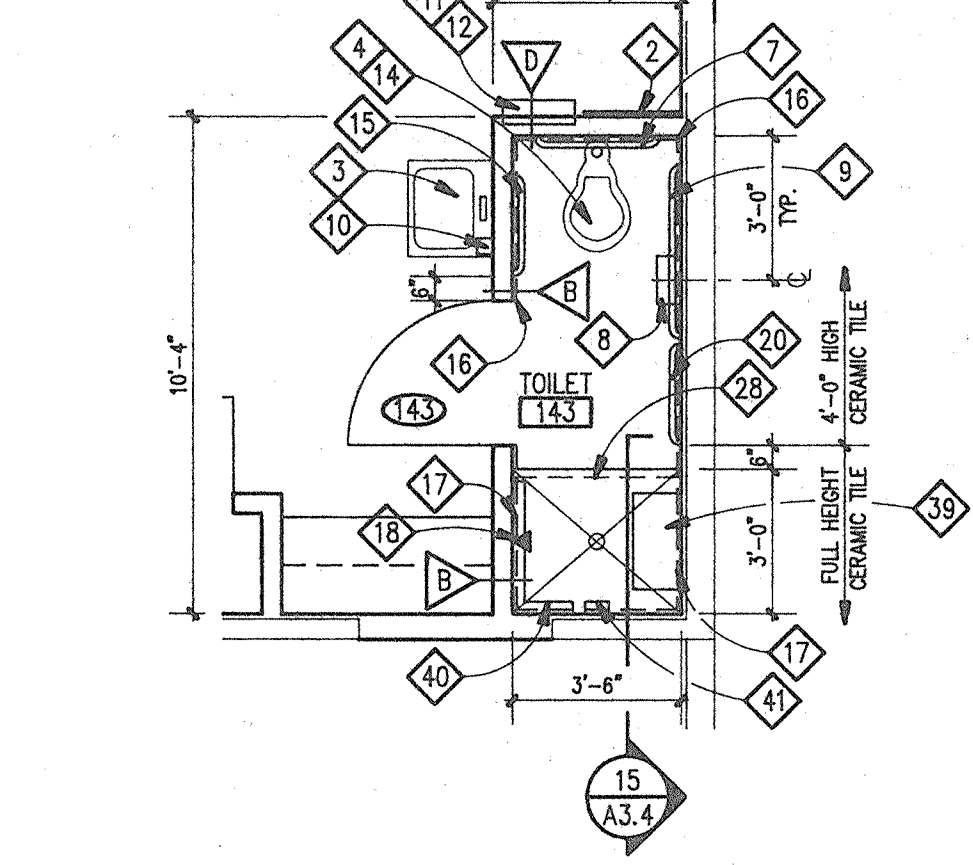
5 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"



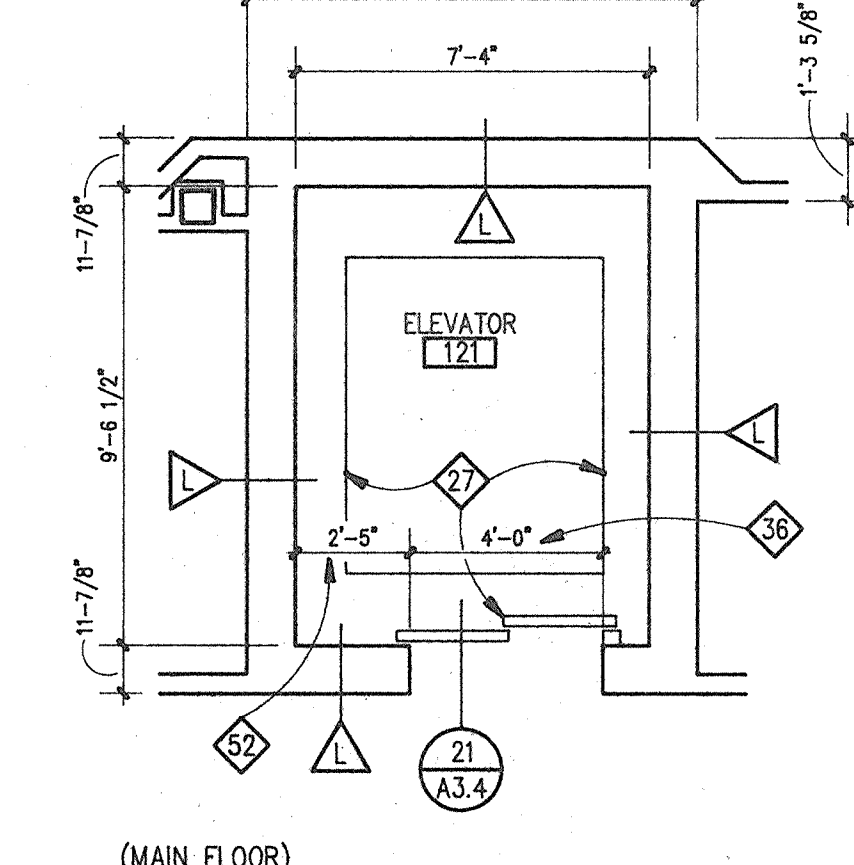
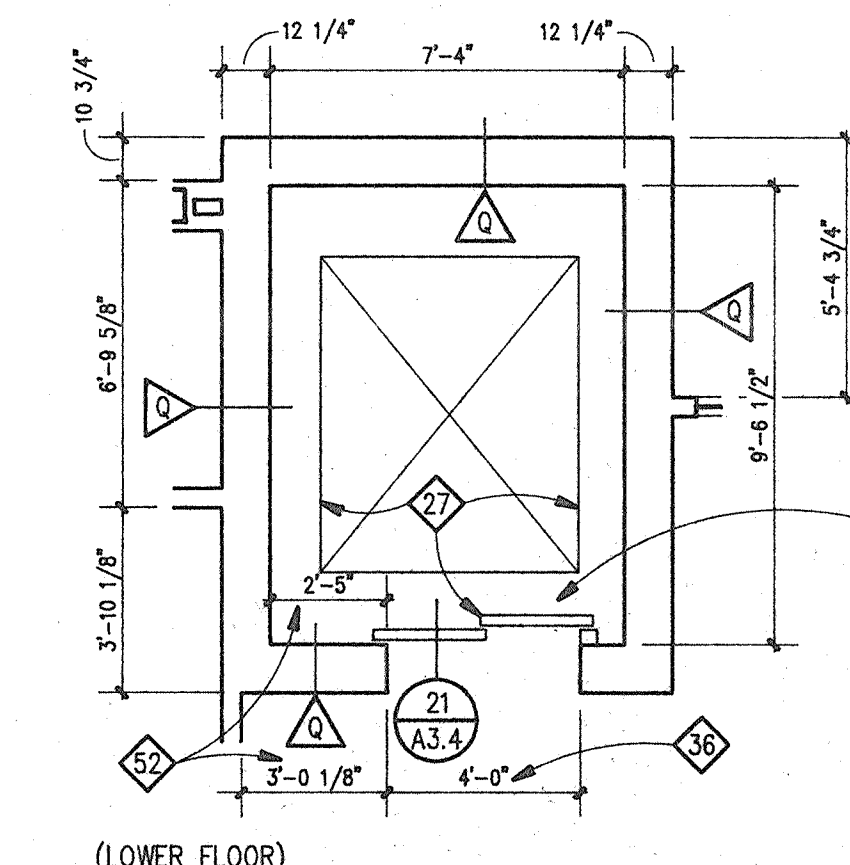
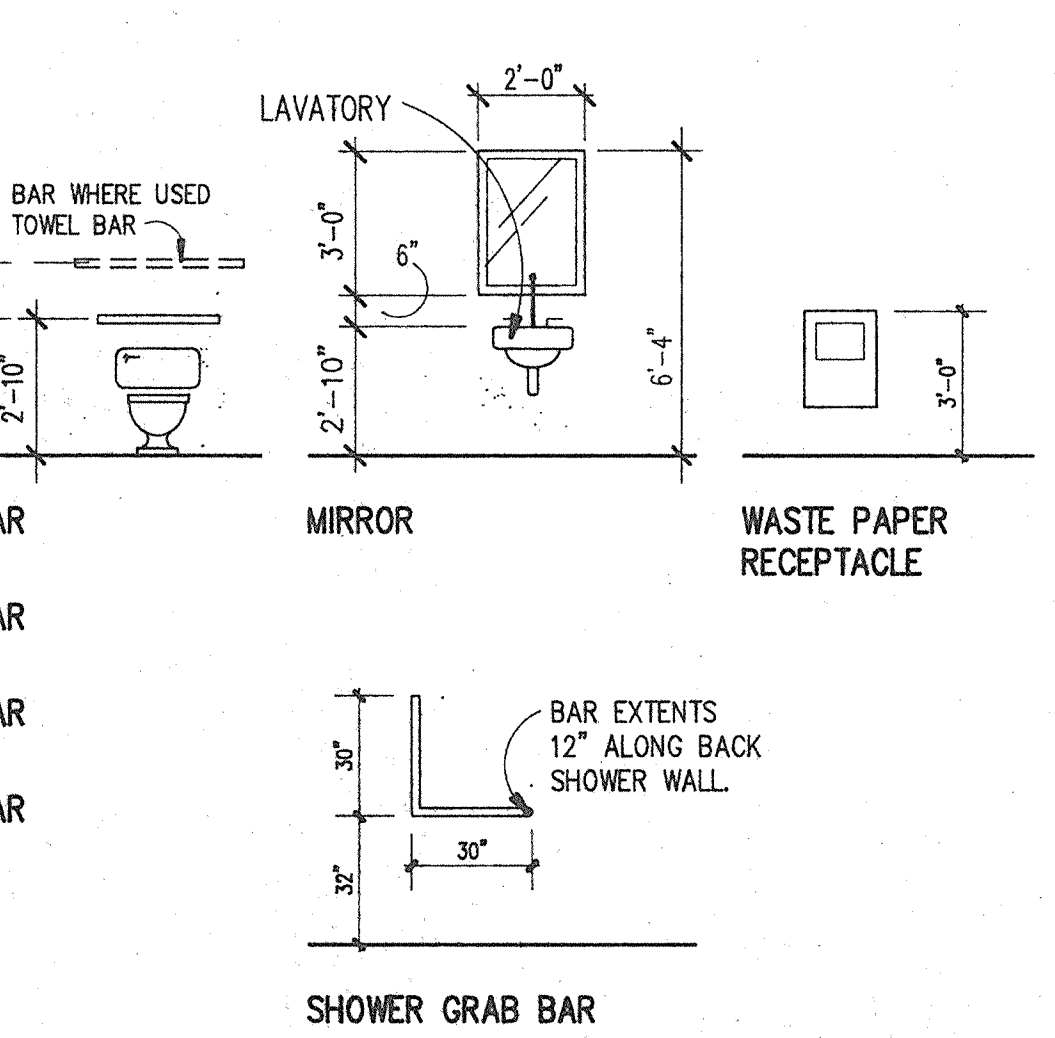
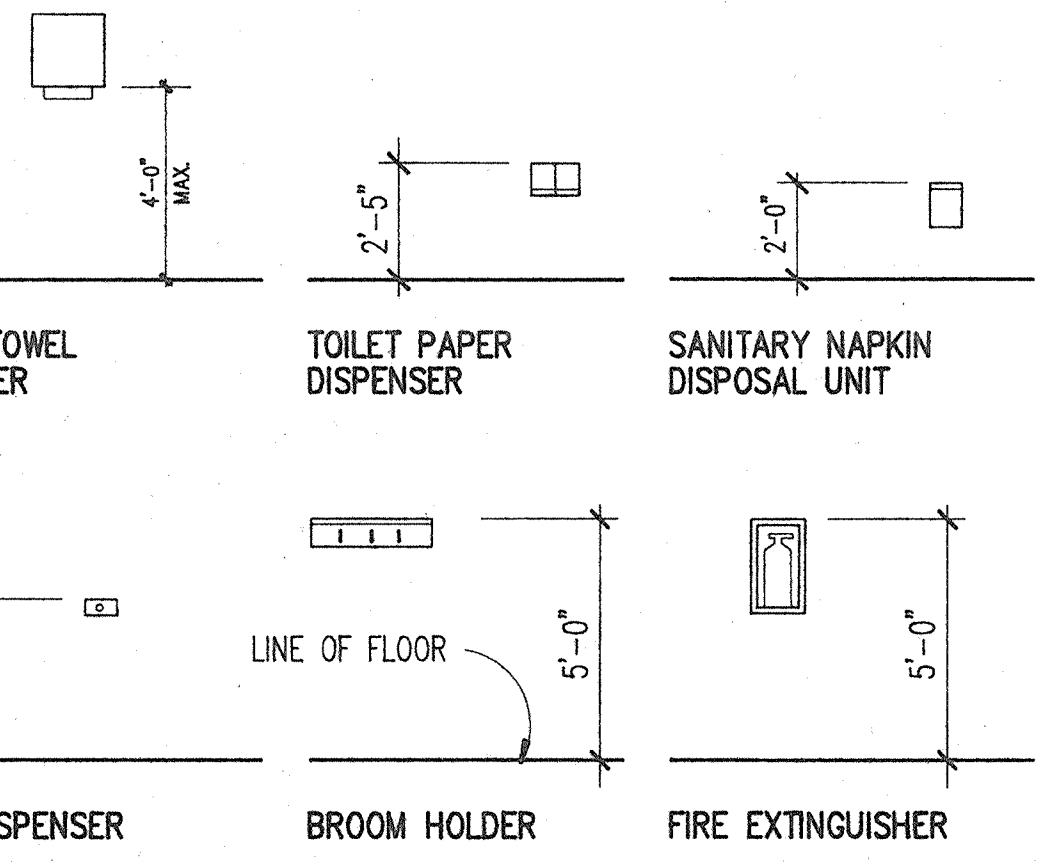
11 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

10 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

9 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"



8 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

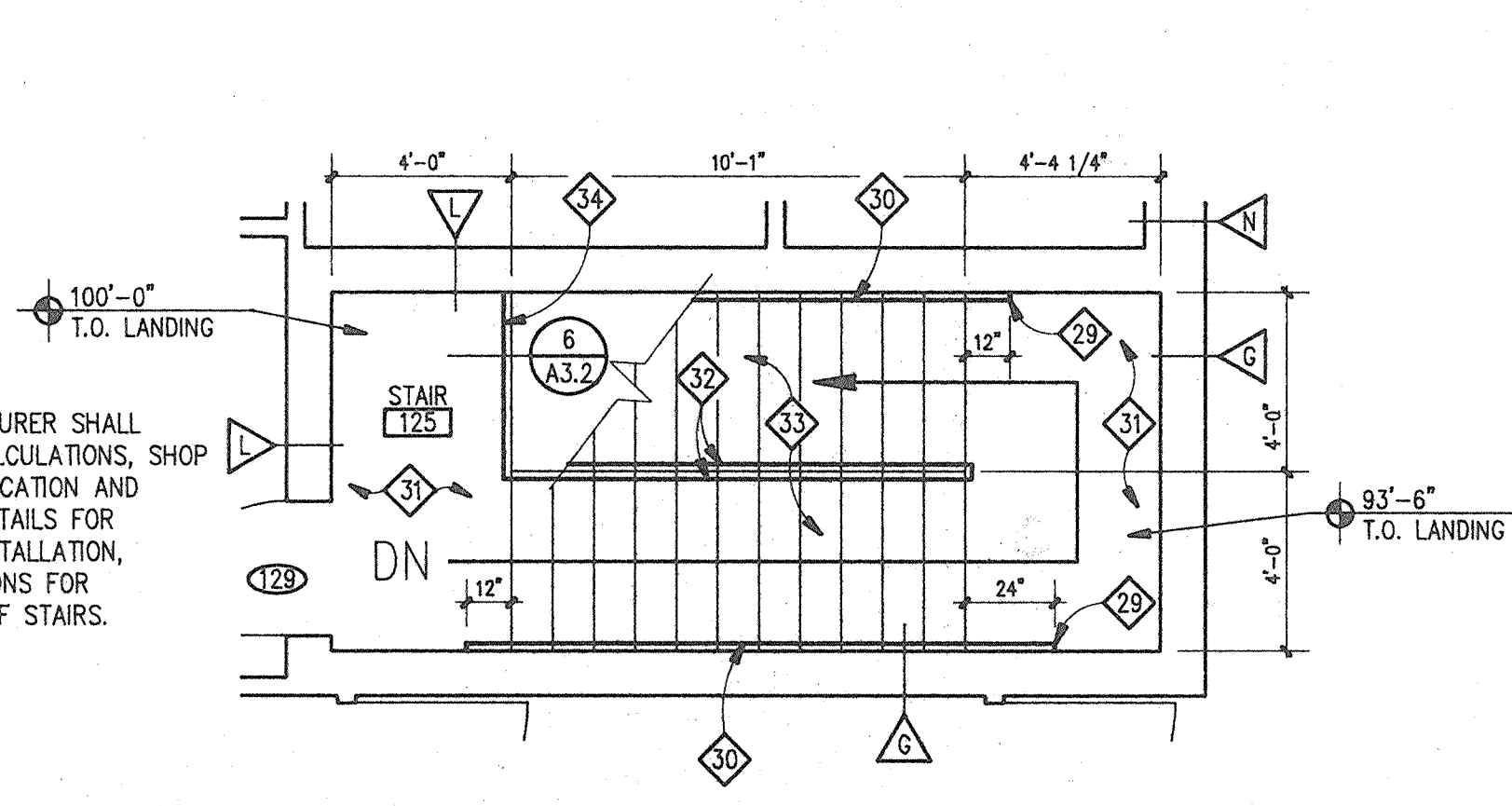
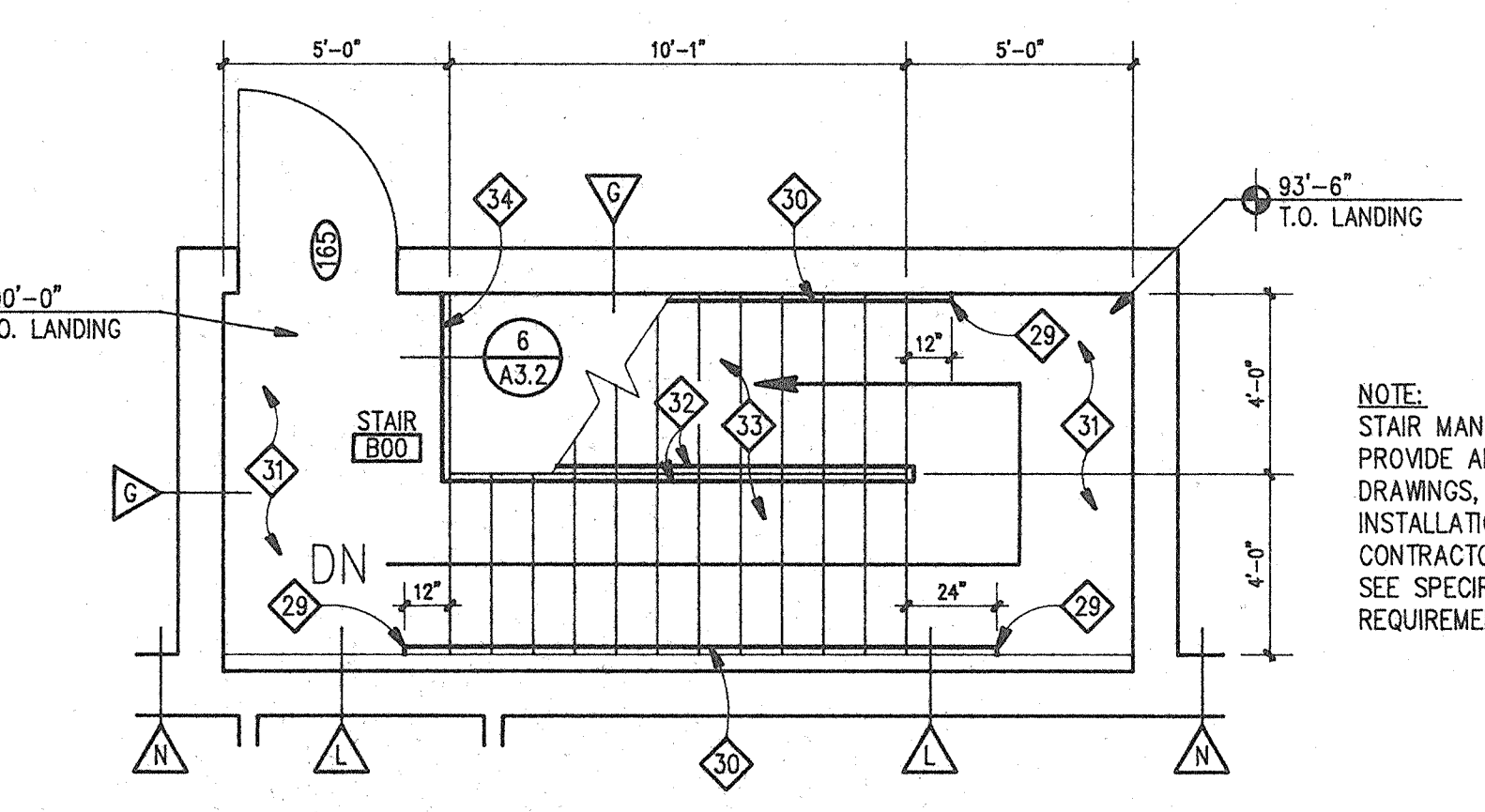


ACCESSORY MOUNTING HEIGHTS SCHEDULE  
SCALE 1/4"=1'-0"

14 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

13 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

12 ENLARGED FLOOR PLAN  
SCALE 1/4"=1'-0"

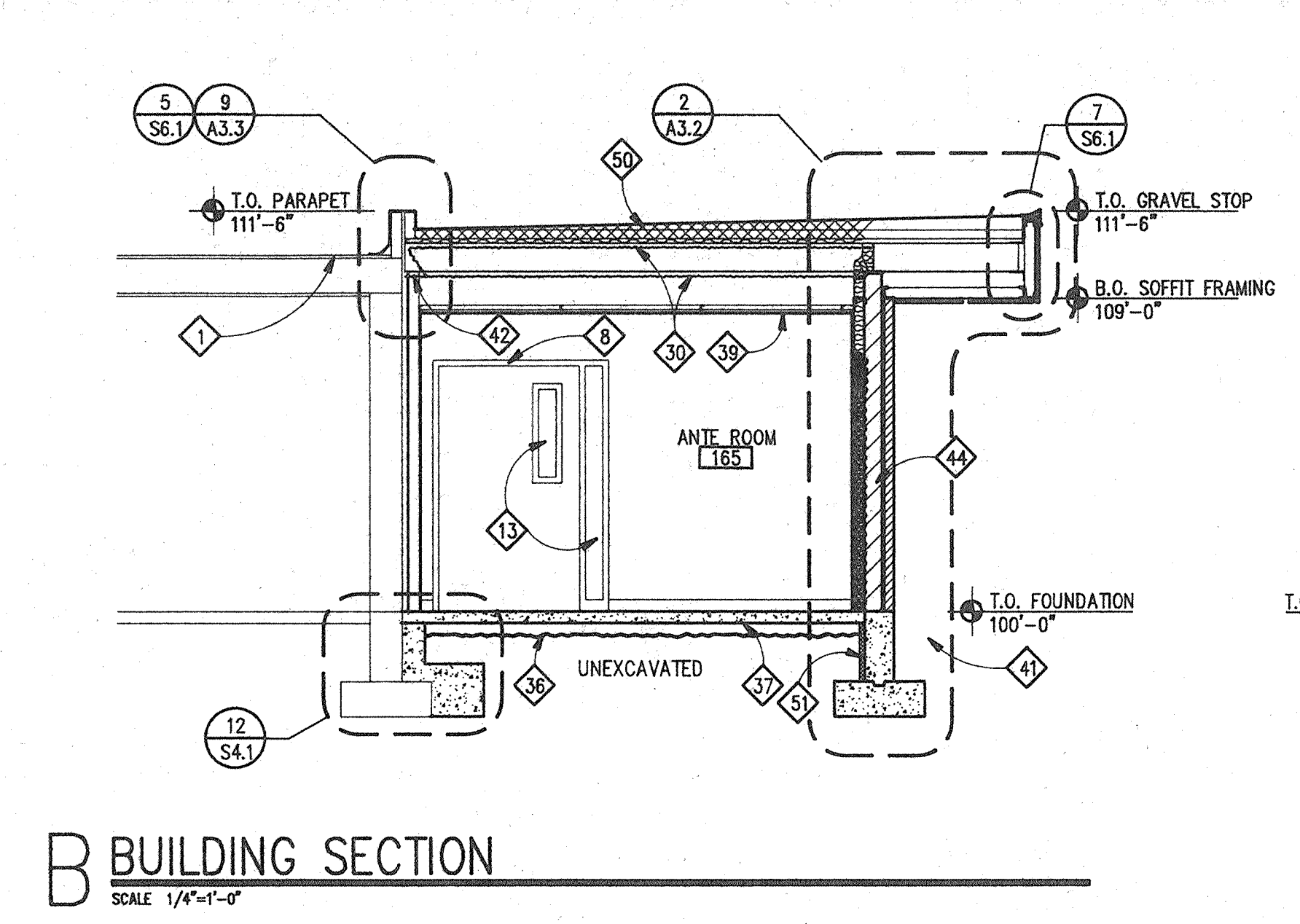


16 ENLARGED STAIR PLAN  
SCALE 1/4"=1'-0"

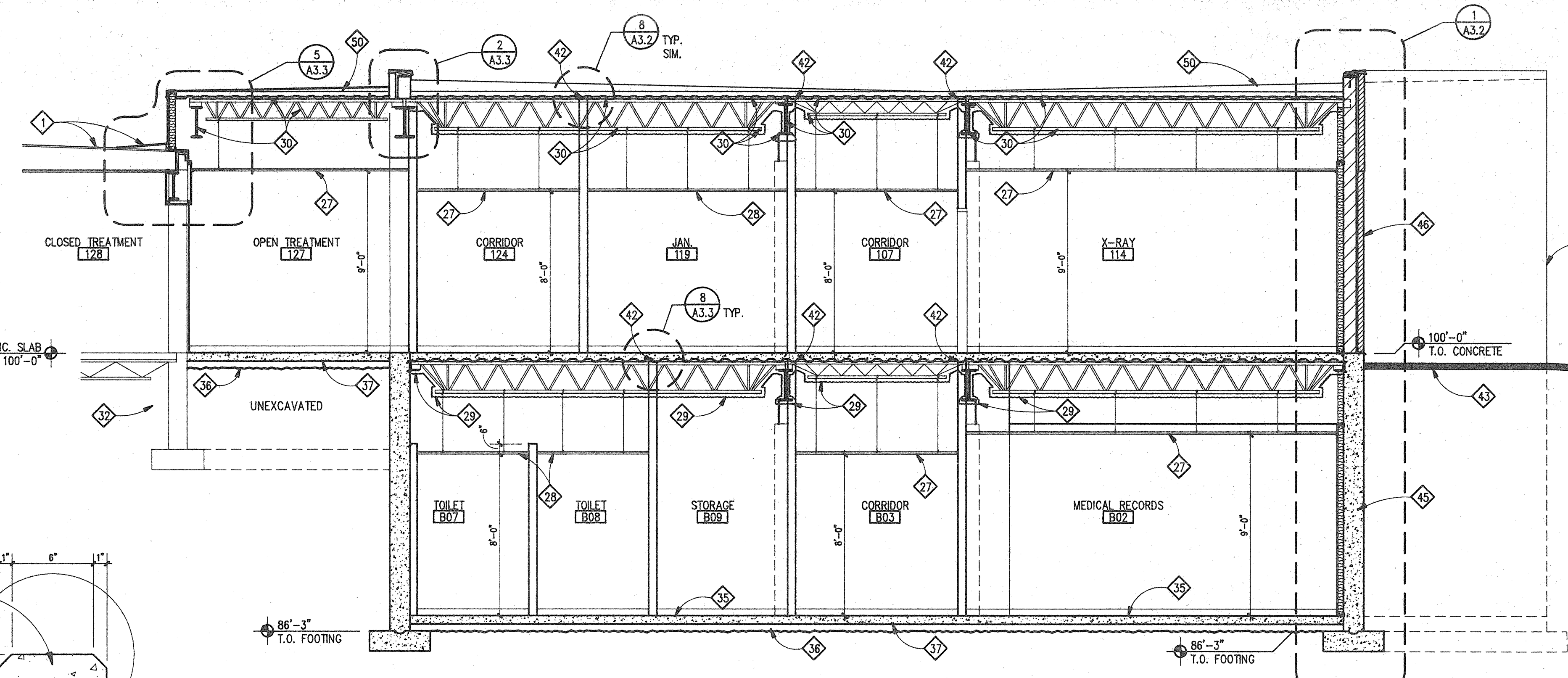
15 ENLARGED STAIR PLAN  
SCALE 1/4"=1'-0"

**BUILDING SECTION KEY NOTES**

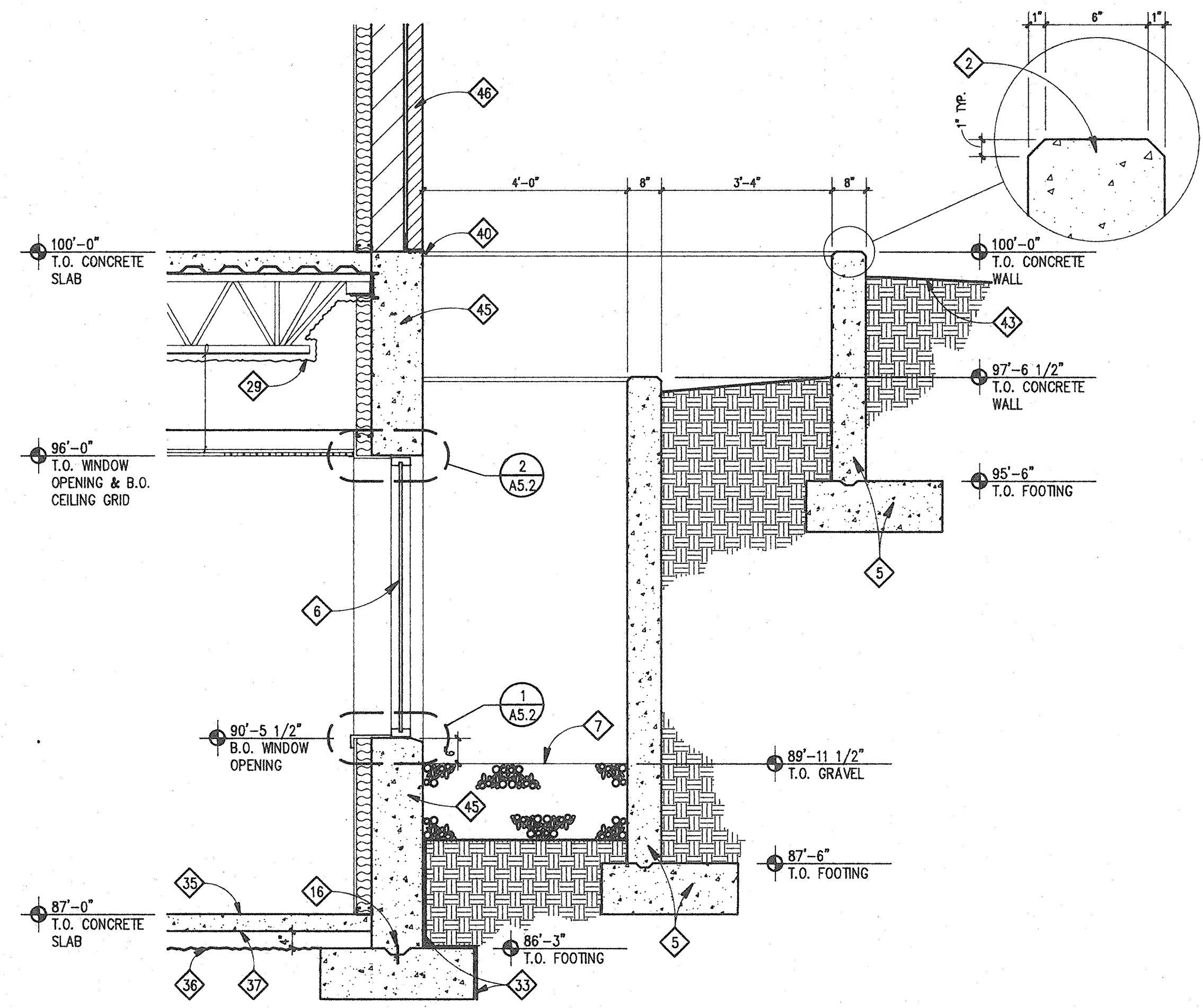
- 1 EXISTING MEMBRANE ROOF, PROTECT FROM DAMAGE. REWORK AS REQUIRED, SEE ROOF PLAN ON SHEET A6.1.
- 2 8" CONCRETE WALL CHAMFER TOP EDGES 1" TYP. FOR ALL LIGHT WELL WALLS.
- 3 EXISTING FLOOR STRUCTURE, PROTECT FROM DAMAGE.
- 4 EXISTING BASEMENT UNDER EXISTING BUILDING.
- 5 FOR CONCRETE RETAINING WALL SIZES & REINFORCING, SEE STRUCTURAL DRAWINGS. SEE SHEET S2.1 & DETAIL 1/S3.1.
- 6 WINDOW, SEE FLOOR PLAN.
- 7 18" DEEP 1"± WASHED GRAVEL.
- 8 NEW HOLLOW METAL PAINTED INSULATED DOOR AND FRAME.
- 9 1" EXTERIOR INSULATION AND FINISH SYSTEM, FASCIA & SOFFIT.
- 10 6"x8" TILE ON EXTERIOR COLUMNS, SEE SPECIFICATIONS.
- 11 ROLL-UP COUNTER TOP DOOR, SEE SPECIFICATIONS.
- 12 FOLDING PARTITION, SEE SPECIFICATIONS.
- 13 SECURITY GLAZING, SEE SPECIFICATIONS.
- 14 GYPSUM BOARD HEADER FOR FOLDING PARTITION.
- 15 PLASTIC LAMINATE COUNTER TOP WITH 3" WOOD TRIM.
- 16 PROVIDE WATERSTOP HERE.
- 17 TOP OF FOOTING IS ALSO TOP OF FLOOR, PROVIDE BROOM FINISH ON EXPOSED PORTION OF FOOTING TOP.
- 18 FOR REINFORCING OF WALLS AND FOOTING, SEE STRUCTURAL DRAWINGS.
- 19 FINISH (EXPOSED SURFACE) CONCRETE FORM FINISH ONLY, FILL THE HOLES.
- 20 EXISTING GRAMM SPACE GRADE LOCATION.
- 21 5/8" GYPSUM BOARD, ATTACH TO 6" JOISTS. (SEE DETAIL 14/S4.2 FOR TYPE OF JOIST).
- 22 6" (18 GA.) JOISTS @ 16" O.C., SEE STRUCTURAL DRAWINGS FOR ATTACHMENT.
- 23 HANDRAILS, SEE SECTION 2/A1.2.
- 24 USE SURFACE MOUNTED LIGHTS & CONDUIT @ THE TUNNEL.
- 25 STAIR TOWER BEYOND.
- 26 COLUMN PROTECTION, SEE SD SHEETS.
- 27 SUSPENDED T-BAR ACOUSTIC TILE CEILING SYSTEM.
- 28 SUSPENDED GYPSUM BOARD CEILING SYSTEM.
- 29 USE SPRAY-ON FIRE-PROOFING ON ALL EXPOSED JOISTS, COLUMNS AND BEAMS AT LOWER LEVEL FLOOR.
- 30 USE SPRAY-ON FIRE-PROOFING ON ALL EXPOSED JOISTS, COLUMNS BEAMS AND METAL ROOF DECKING AT THE MAIN FLOOR.
- 31 EXISTING METAL DECK AND CONCRETE TOPPING.
- 32 EXISTING GRAMM SPACE, PROTECT FROM DAMAGE.
- 33 DAMPROOFING, SEE SPECIFICATIONS.
- 34 PATCH NEW ASPHALT INTO EXISTING ASPHALT. SEE SHEET S2 FOR EXTENT AND GRADES.
- 35 5" CONCRETE SLAB AT LOWER LEVEL.
- 36 4" CRUSHED COMPACTED GRAVEL.
- 37 VAPOR BARRIER, SEE SPECIFICATIONS.
- 38 STRUCTURAL ROOF FRAMING, SEE SHEET S2.3.
- 39 SUSPENDED GYPSUM BOARD CEILING SYSTEM W/ ACOUSTIC GLUE-ON TILES.
- 40 FLASHING, SEE WALL SECTION DETAIL 1/A3.2.
- 41 FOR CONCRETE STAIR AND GRADE LOCATIONS SEE SHEET S2.
- 42 SEAL GYPSUM BOARD WALL WITH FIRE SAFING TO B.O. METAL DECKING.
- 43 FOR GRADE LOCATION, SEE DETAIL C/S2.
- 44 WALL TYPE "A".
- 45 WALL TYPE "O".
- 46 WALL TYPE "N".
- 47 1" EXTERIOR INSULATION & FINISH SYSTEM ON CMU.
- 48 FOOTING AND FOUNDATION, SEE SHEET S2.1.
- 49 CONCRETE SLAB, FOR GRADES AND SIZE SEE SD SHEETS.
- 50 SLOPED INSULATION, SEE ROOF PLAN ON SHEET A6.1.
- 51 R-11 RIGID FOUNDATION INSULATION.



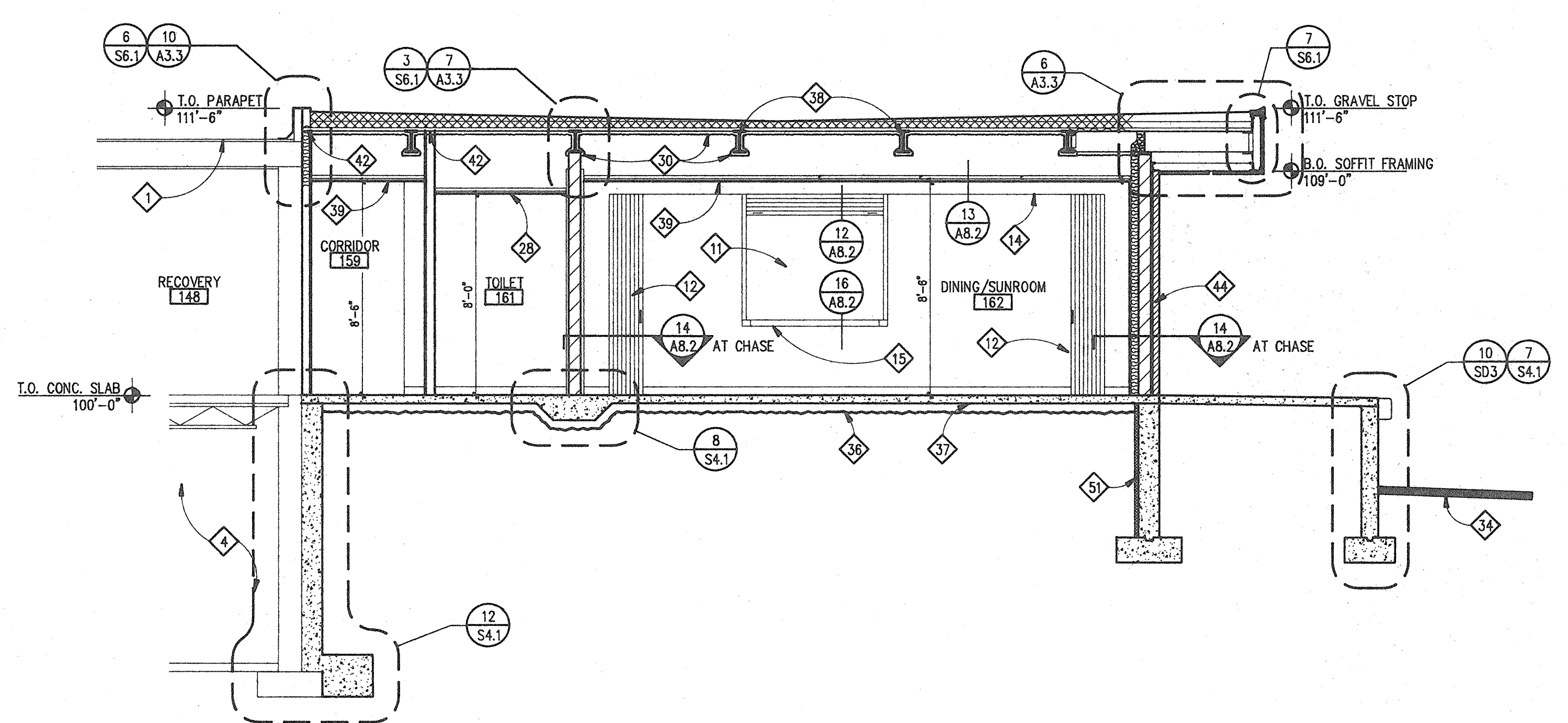
**B BUILDING SECTION**  
SCALE 1/4"=1'-0"



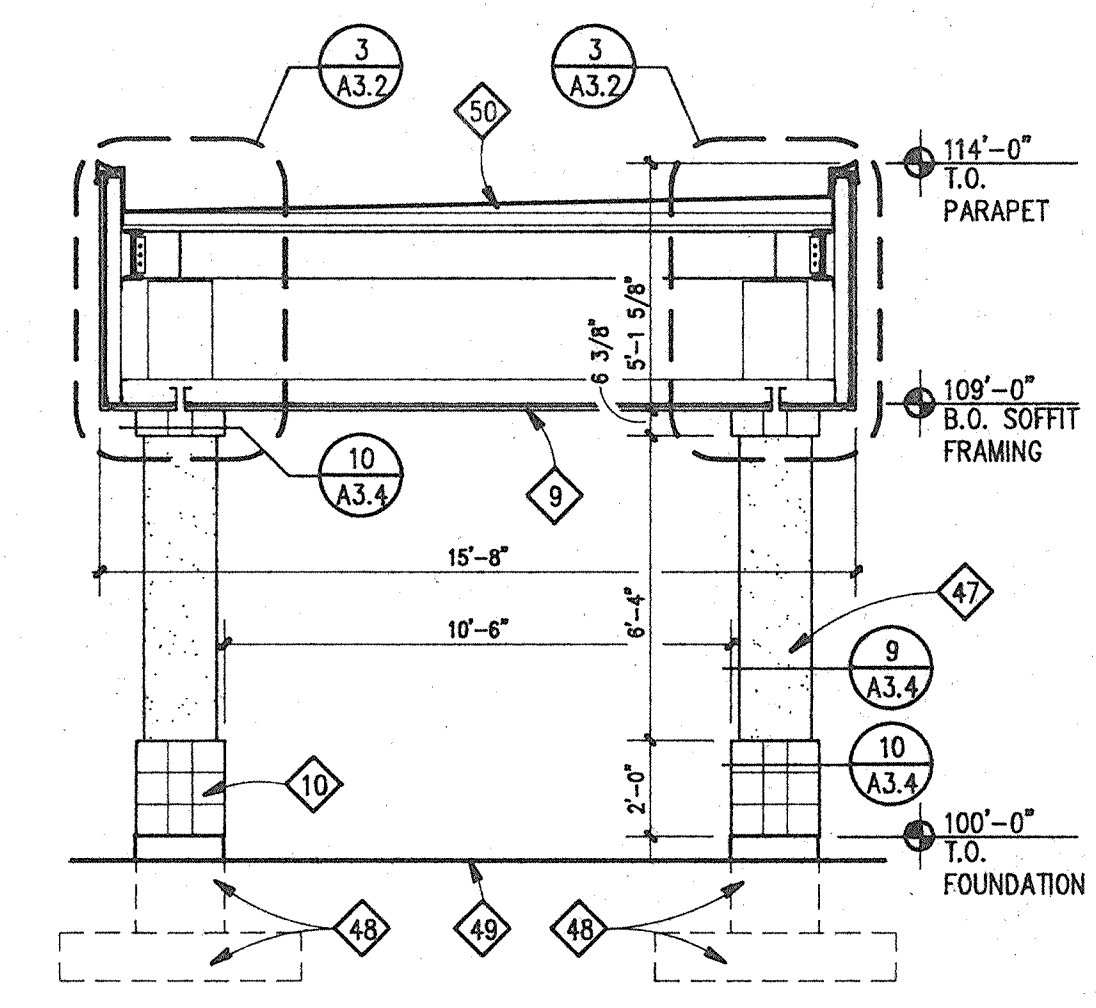
**A BUILDING SECTION**  
SCALE 1/4"=1'-0"



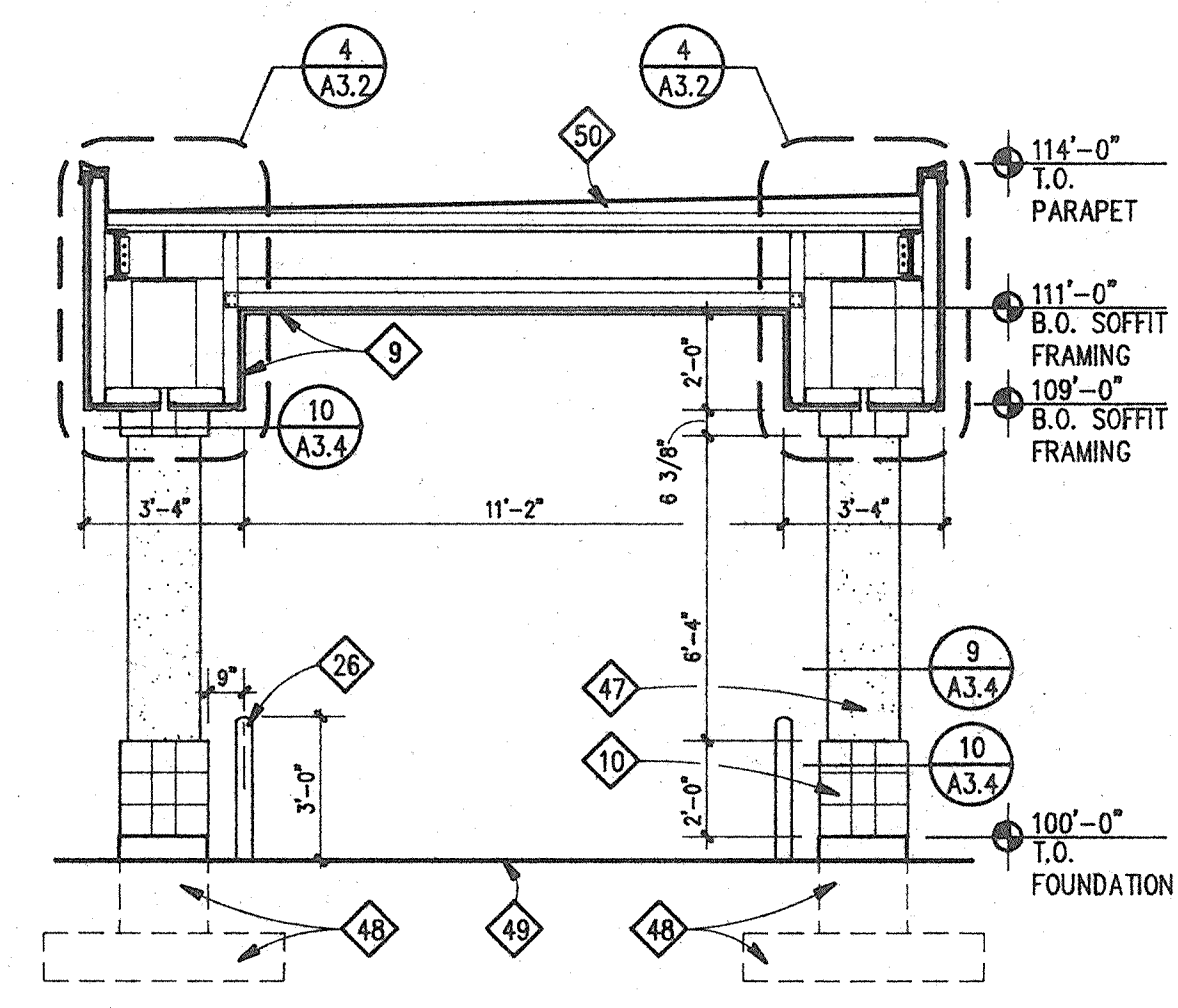
**D LIGHTWELL CONCRETE WALLS**  
SCALE 1/2"=1'-0"



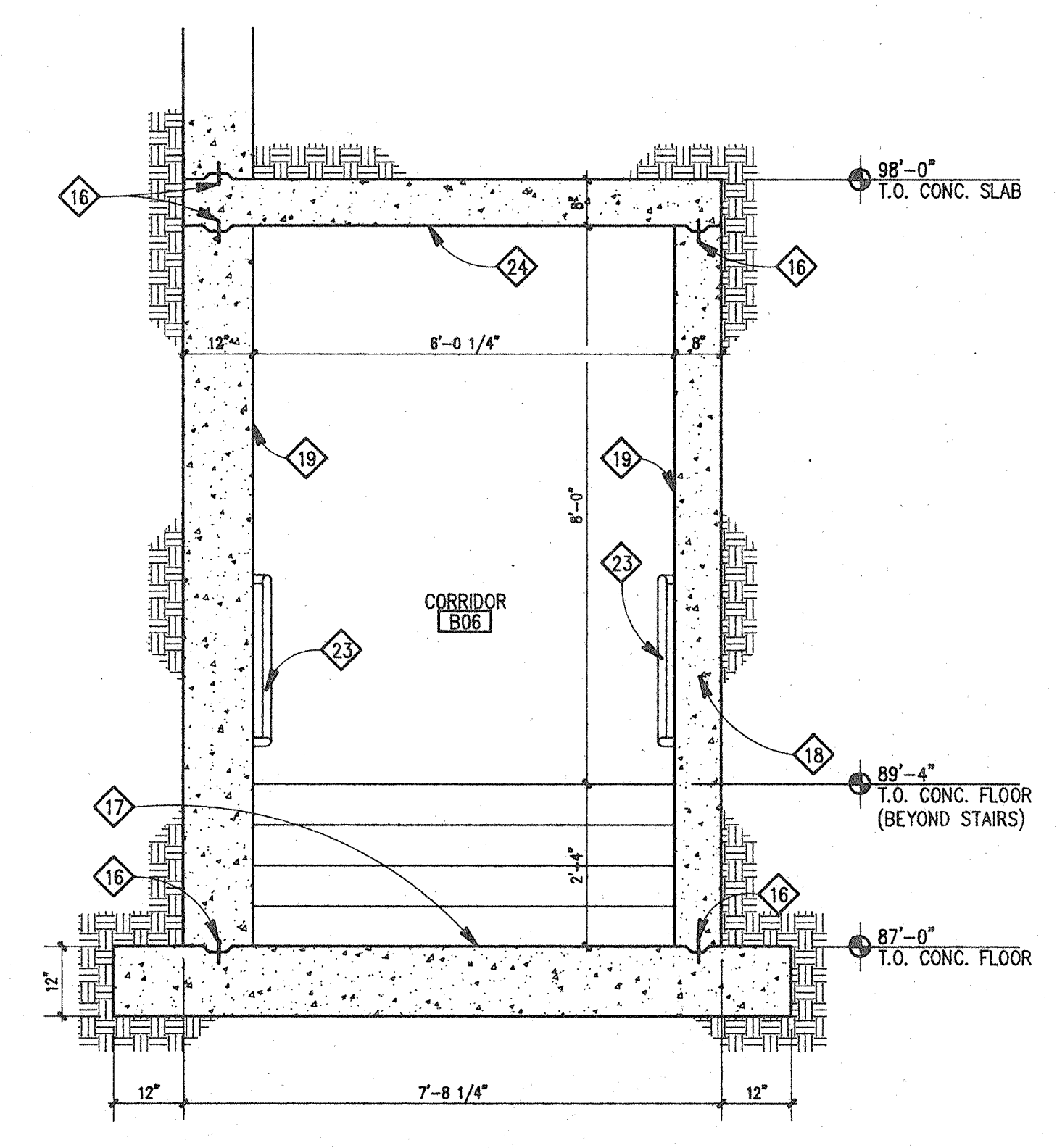
**C BUILDING SECTION**  
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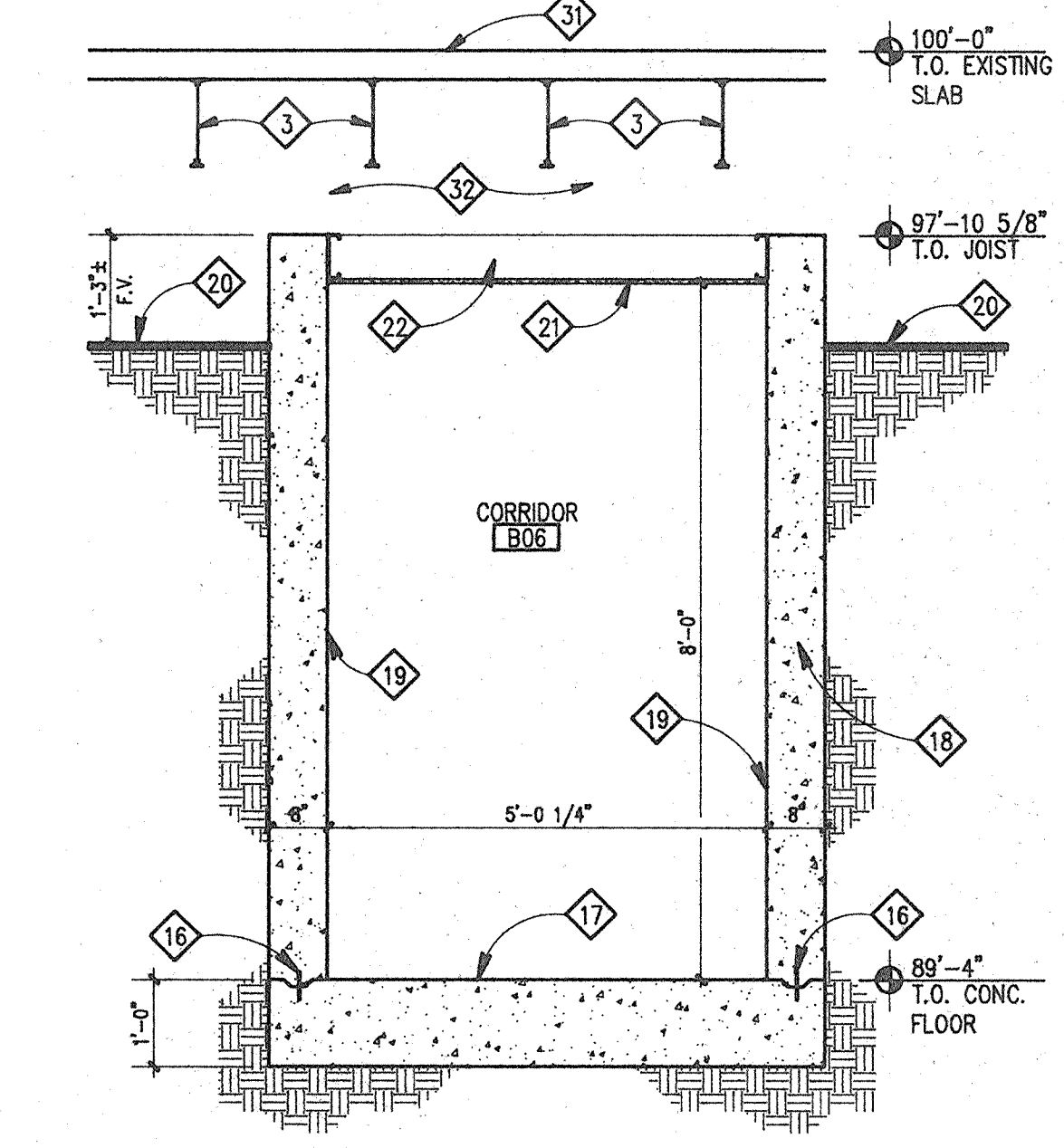
**H CANOPY SECTION**  
SCALE 1/4"=1'-0"



**G CANOPY SECTION**  
SCALE 1/4"=1'-0"

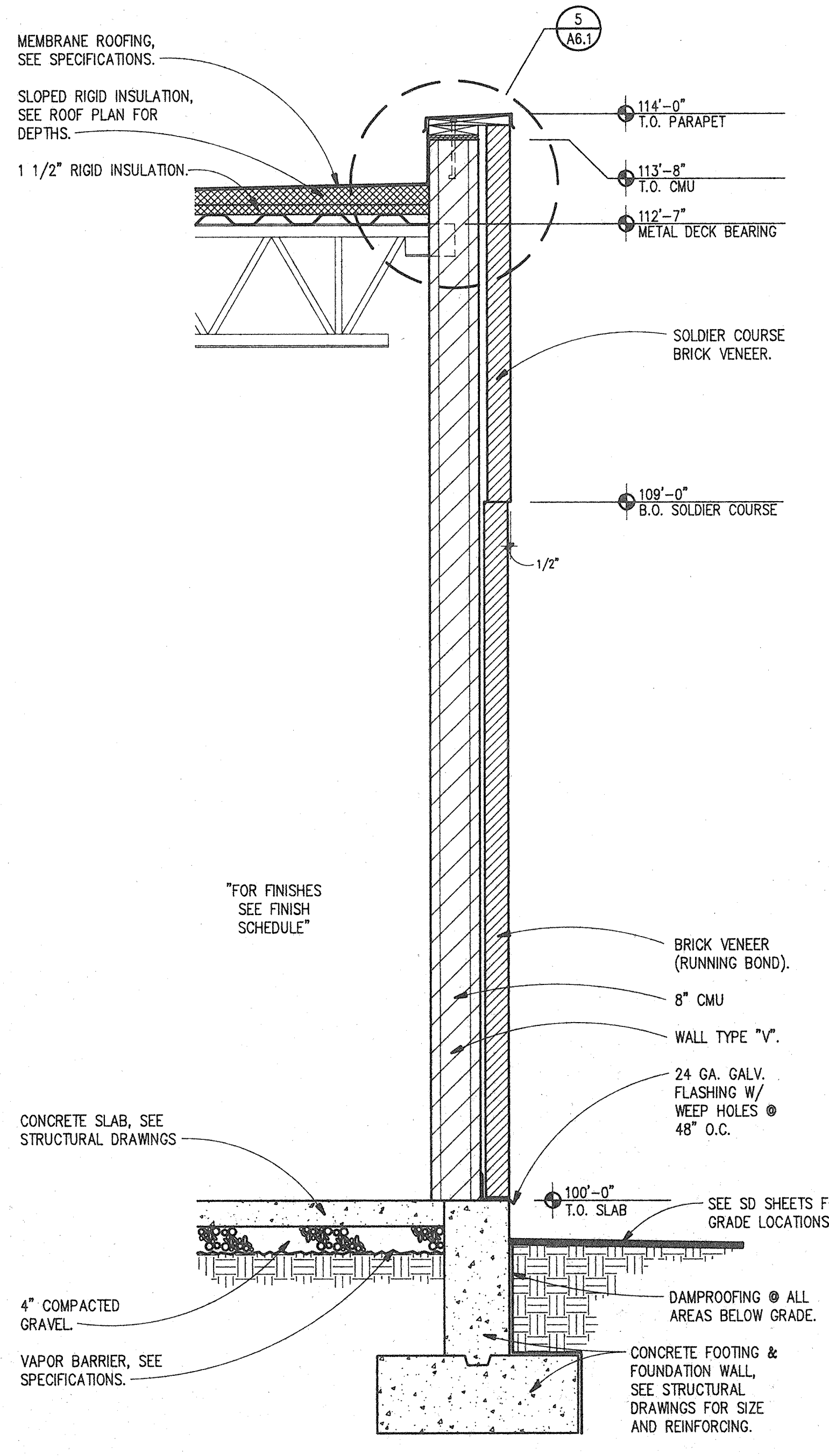
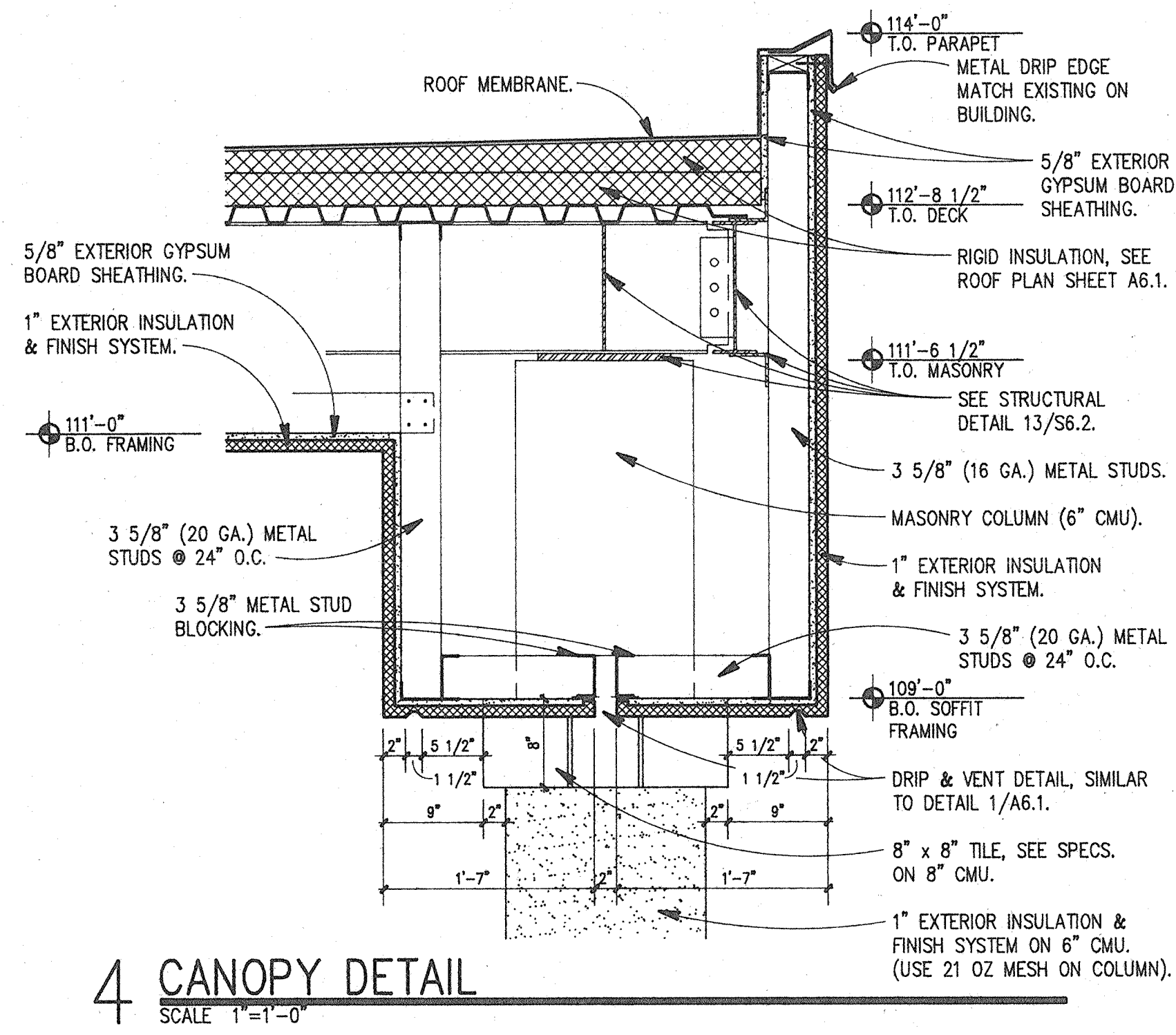
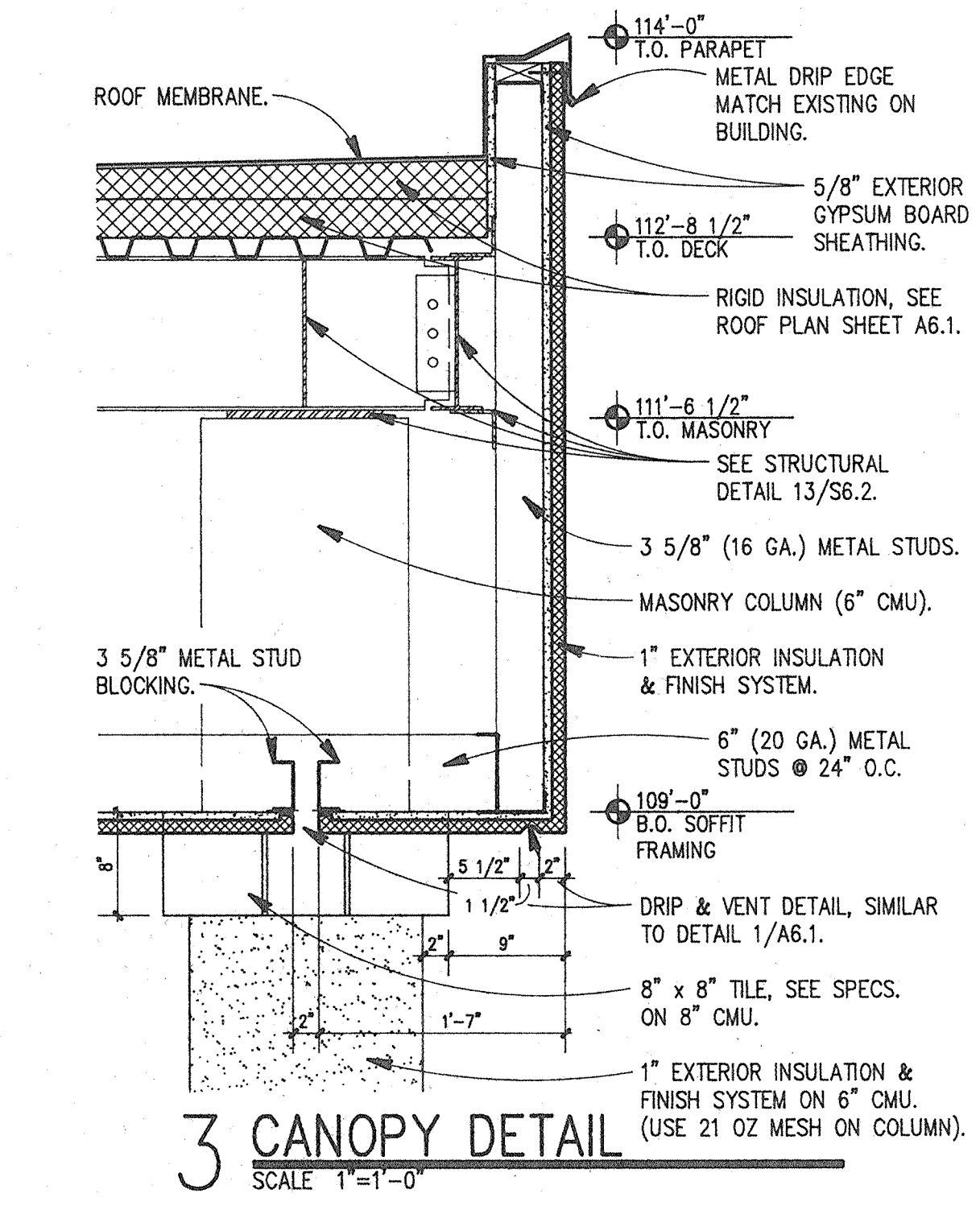
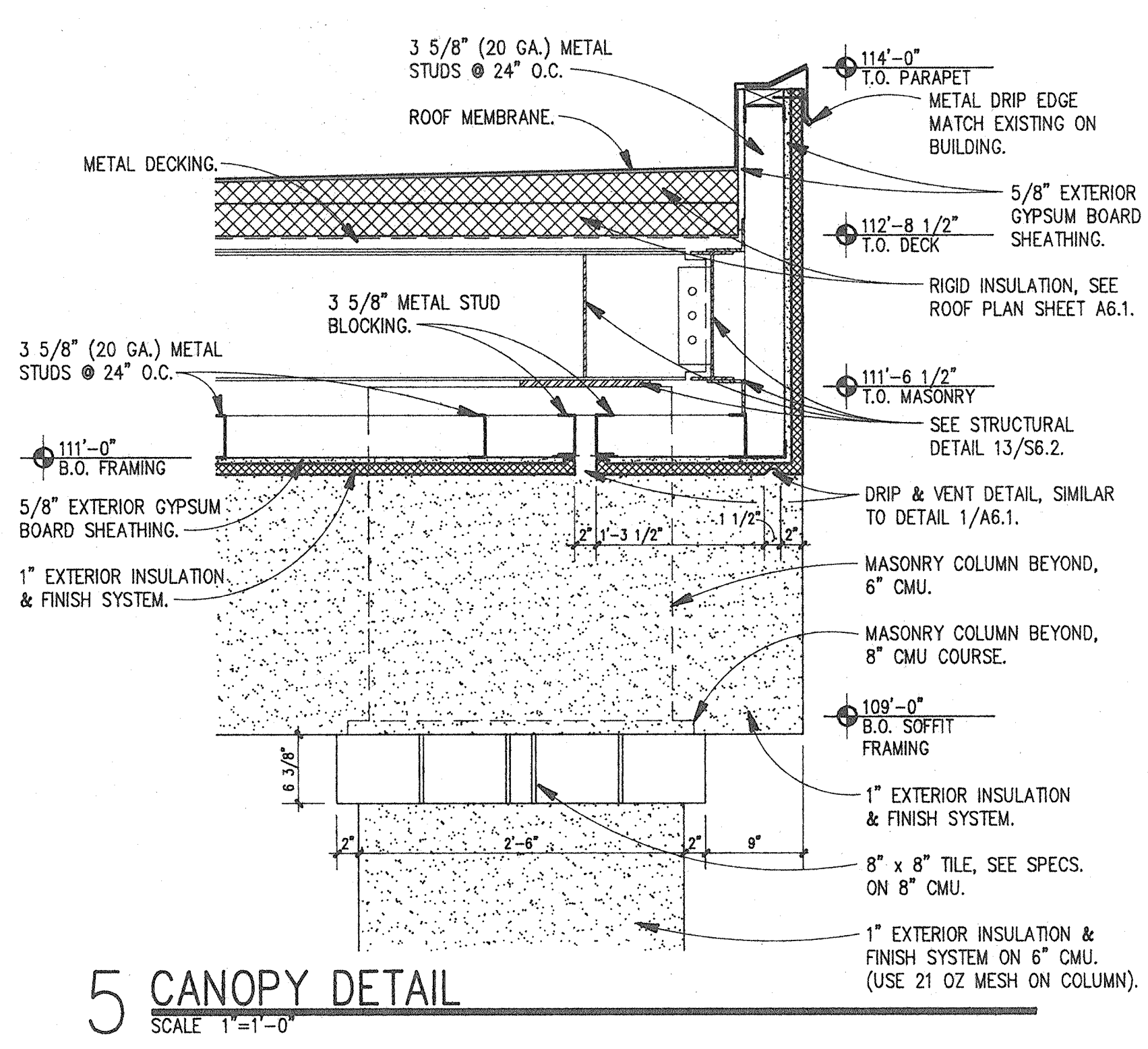
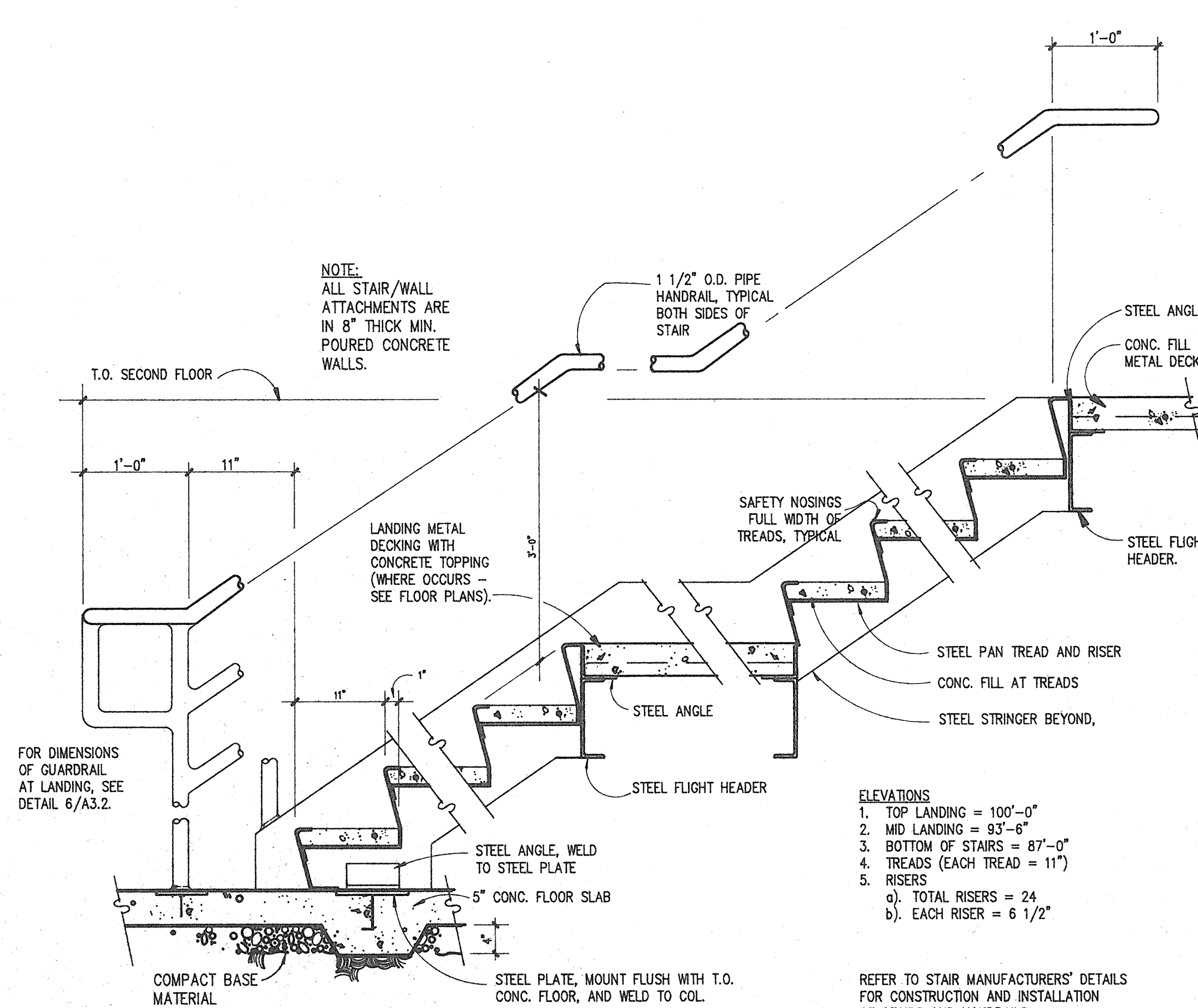
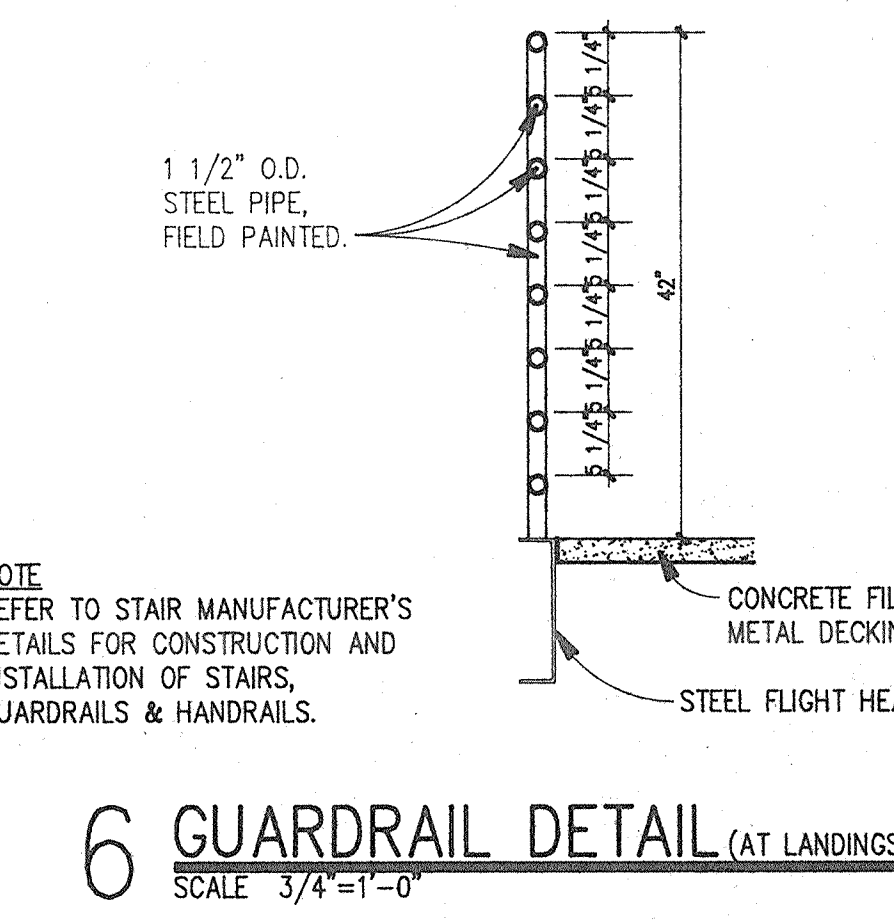
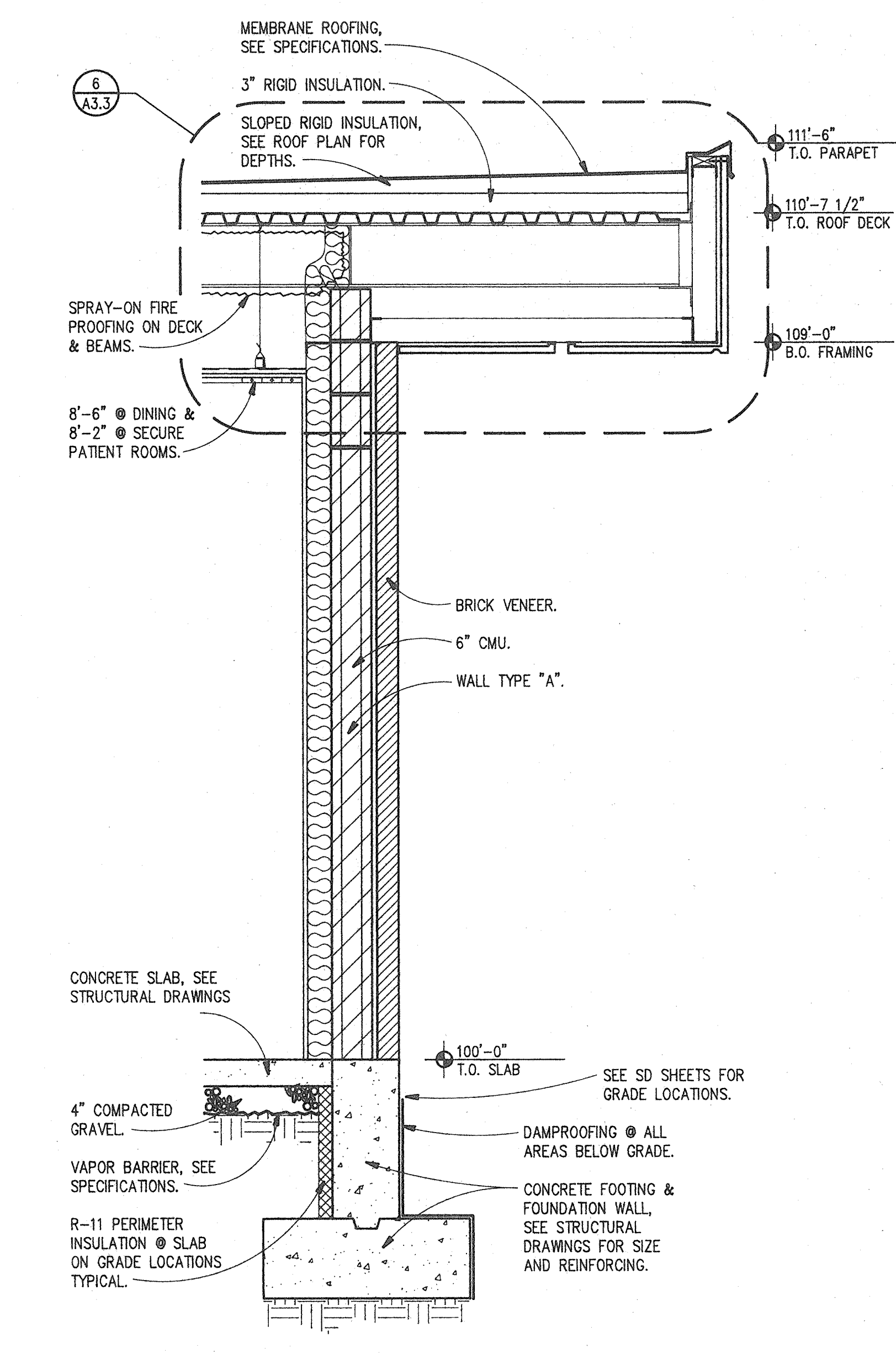
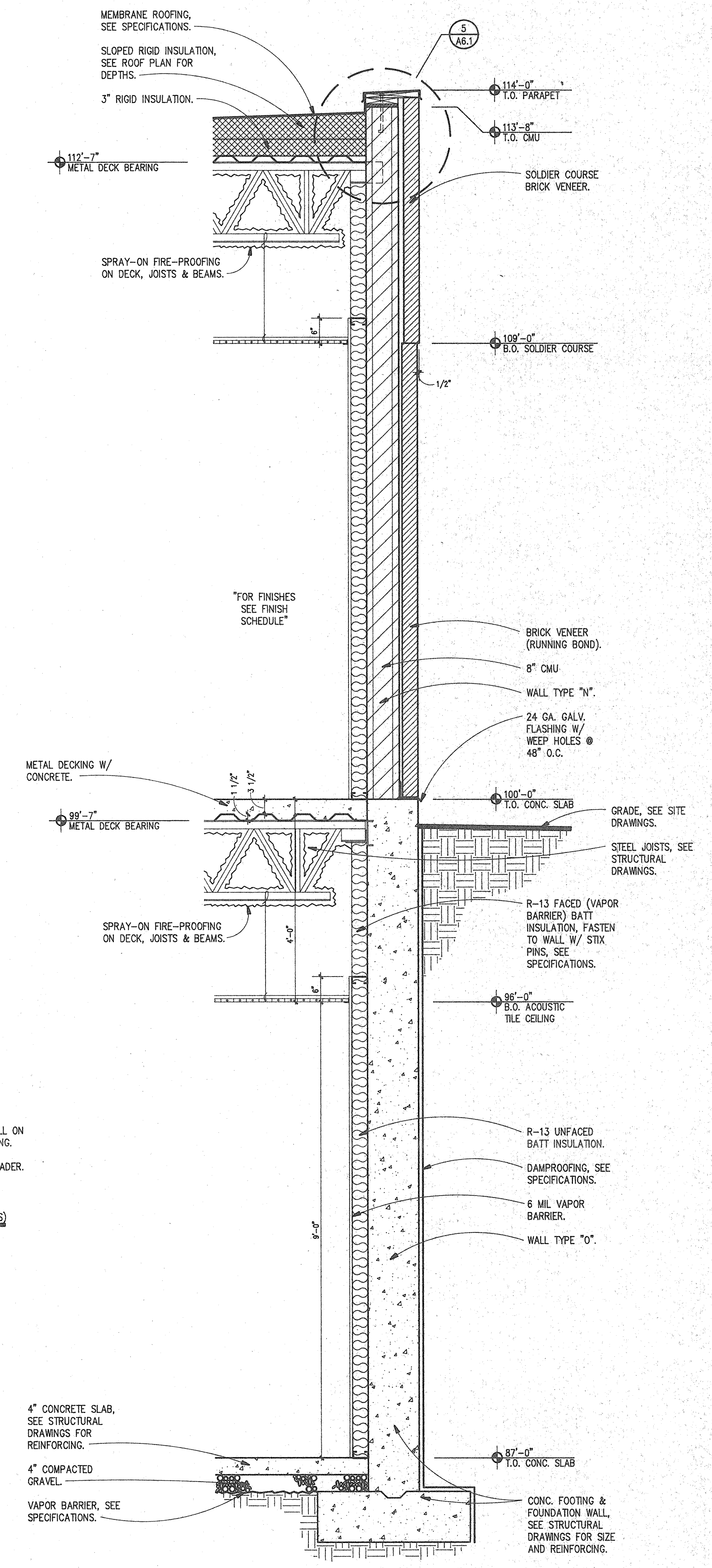


**F TUNNEL DETAIL**  
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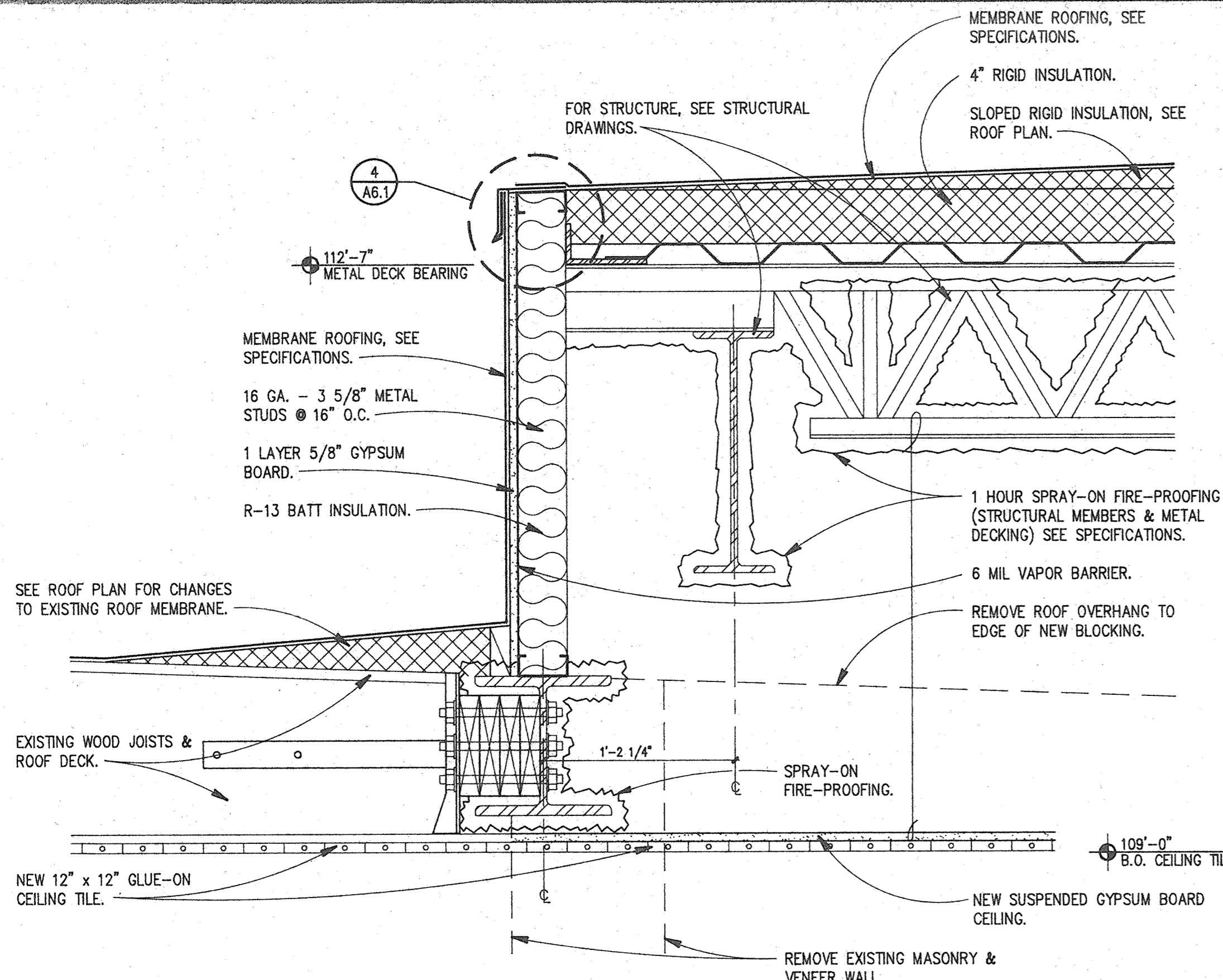


**E TUNNEL DETAIL**  
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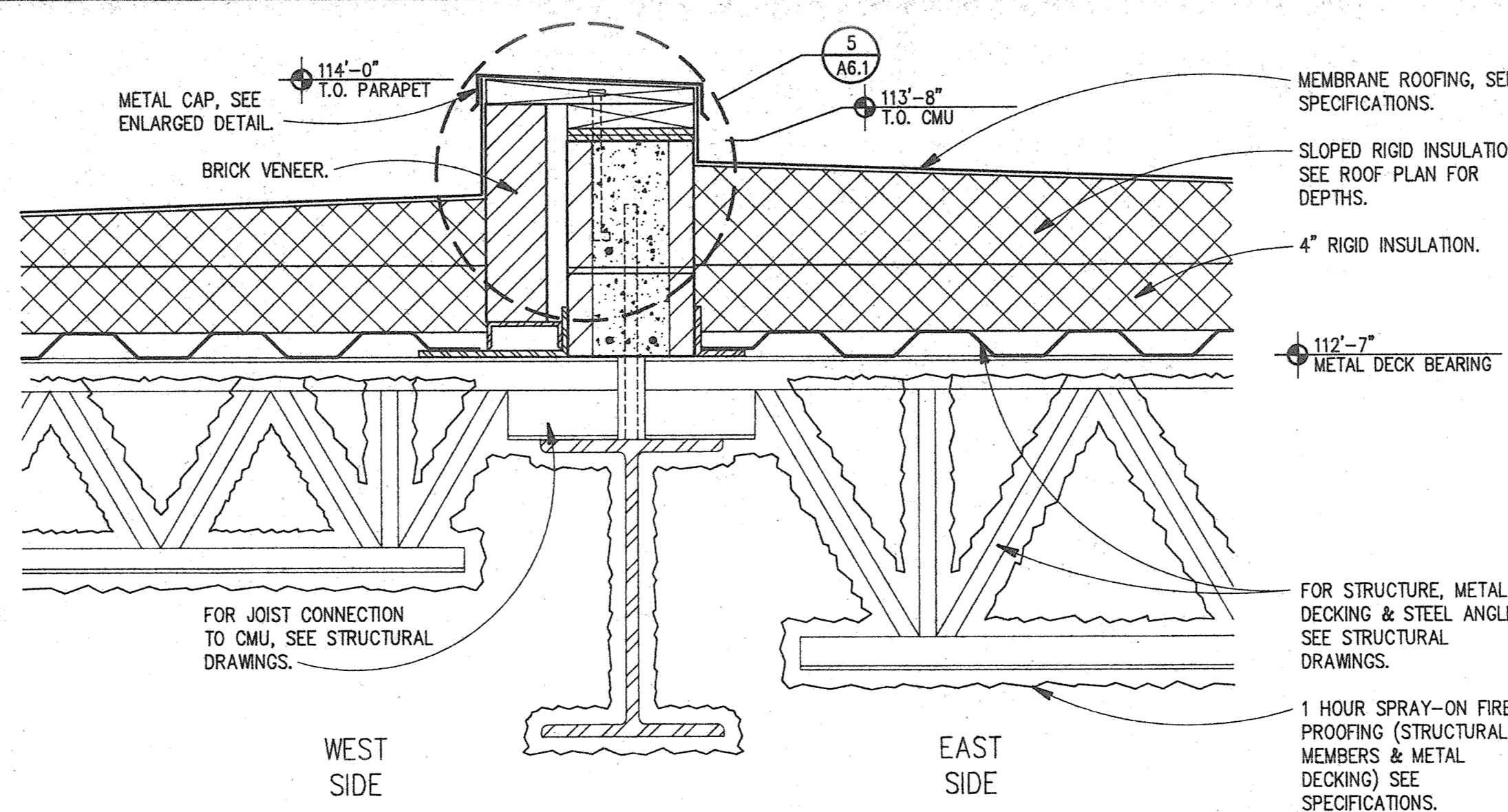
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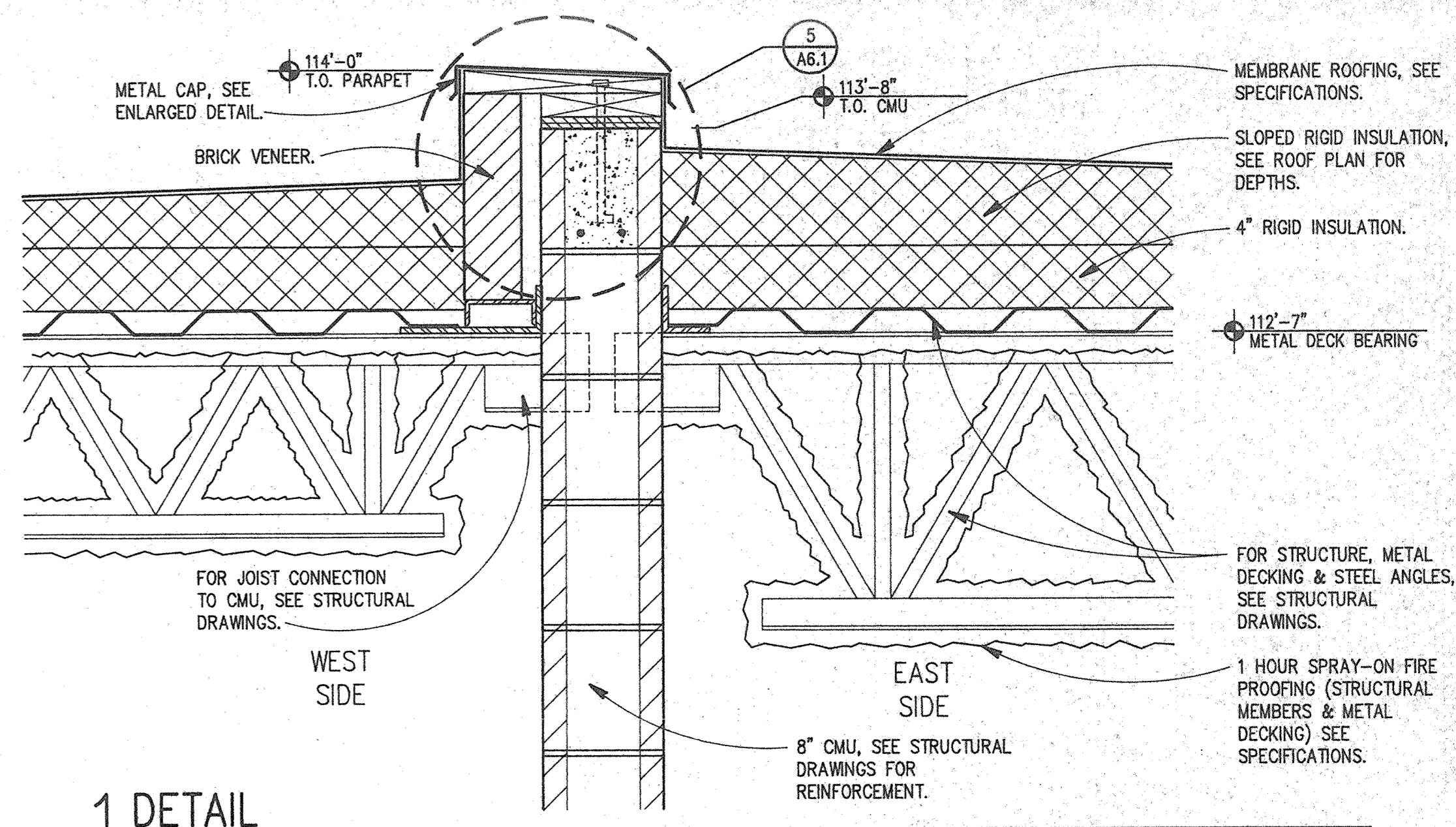
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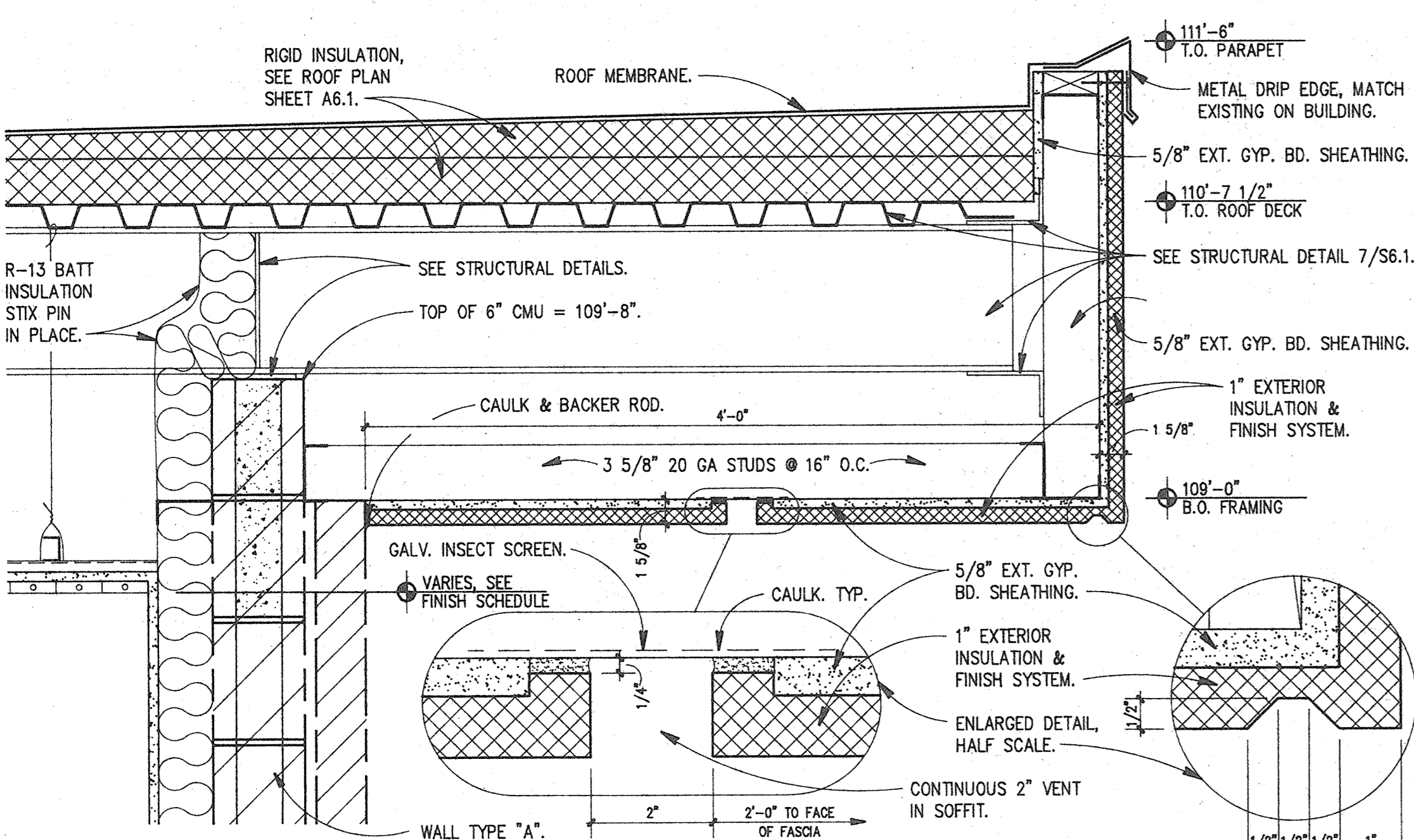
**3 DETAIL**  
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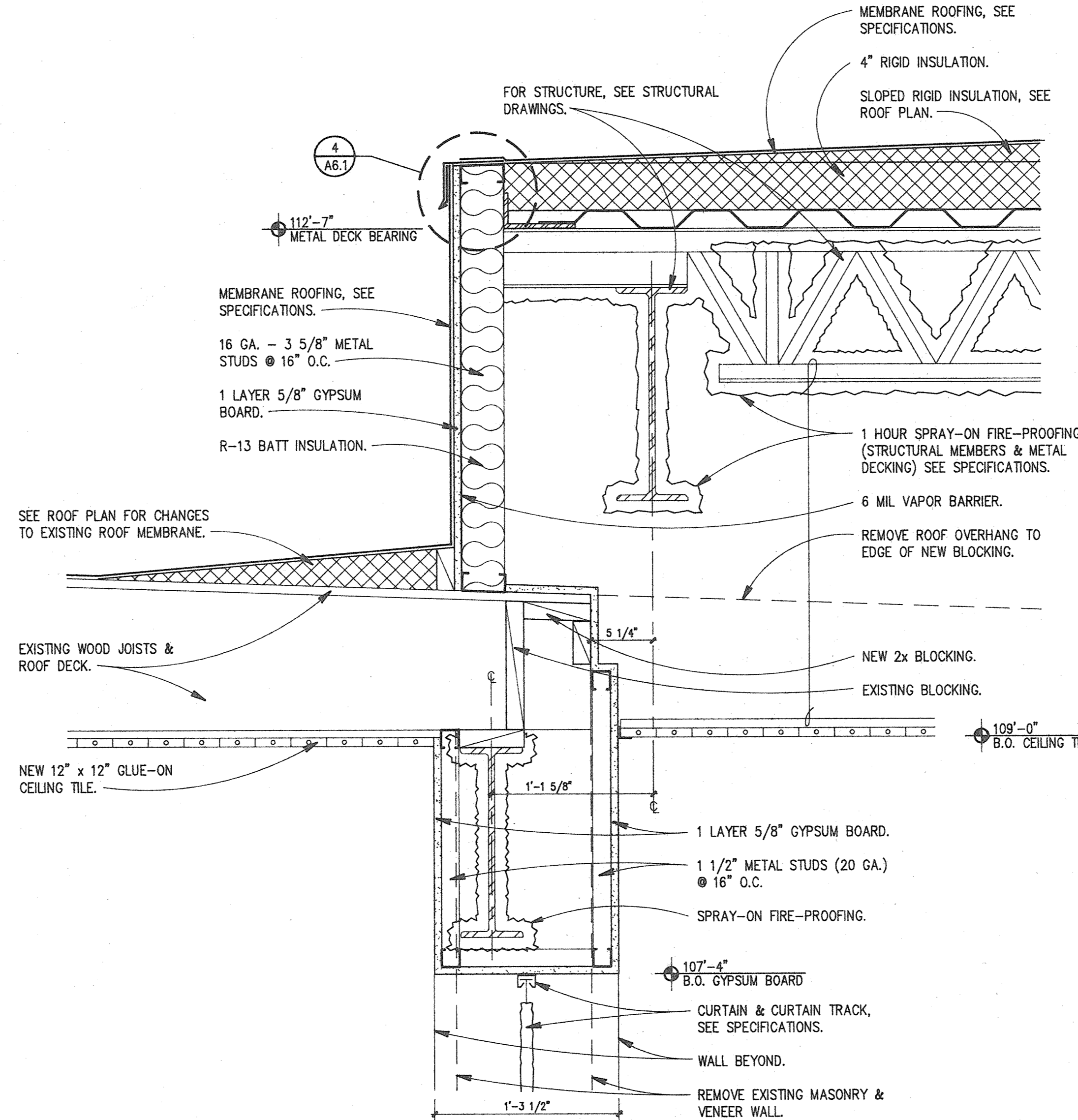
**2 DETAIL**  
SCALE 1 1/2"=1'-0"



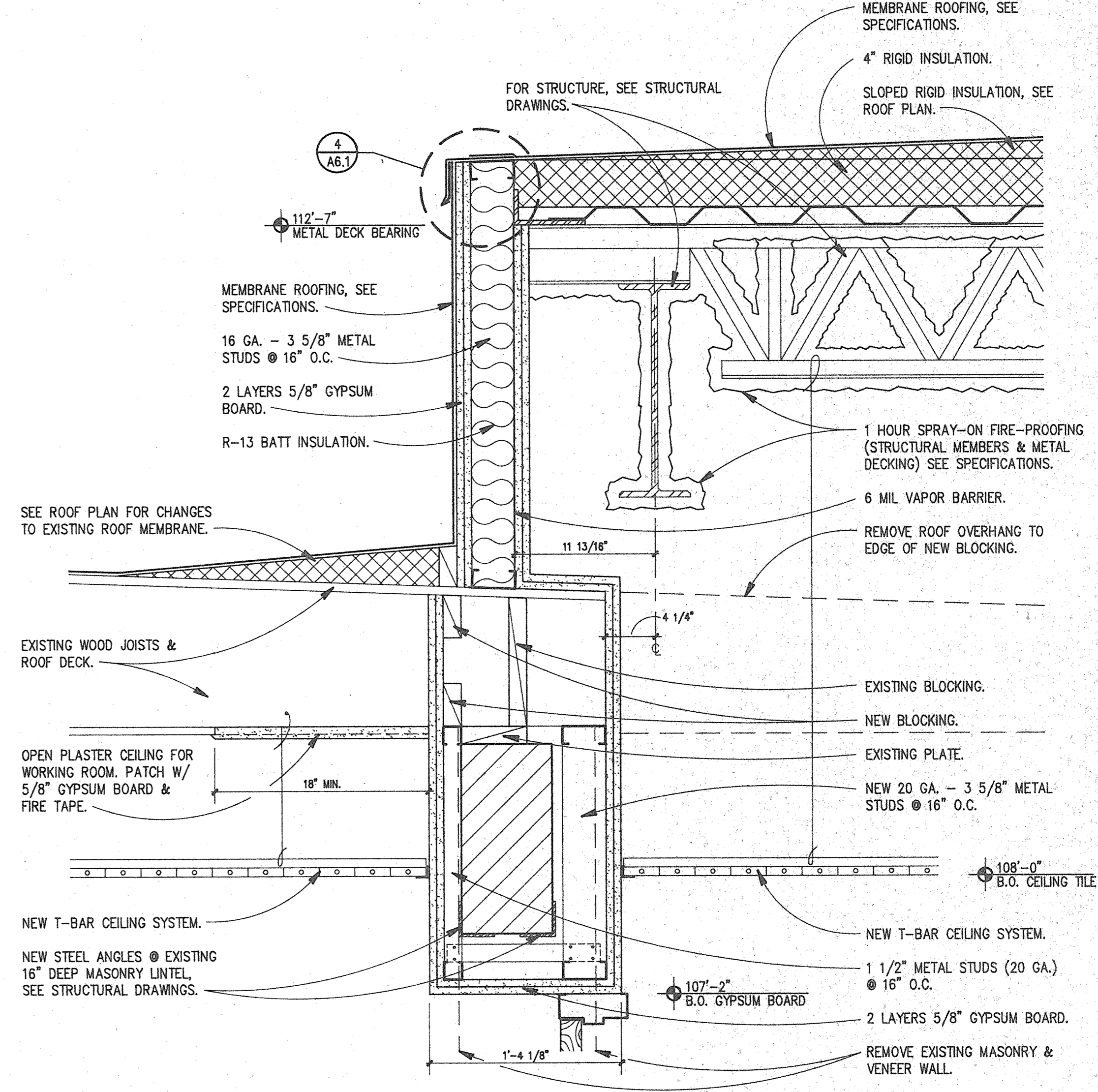
**1 DETAIL**  
SCALE 1 1/2"=1'-0"



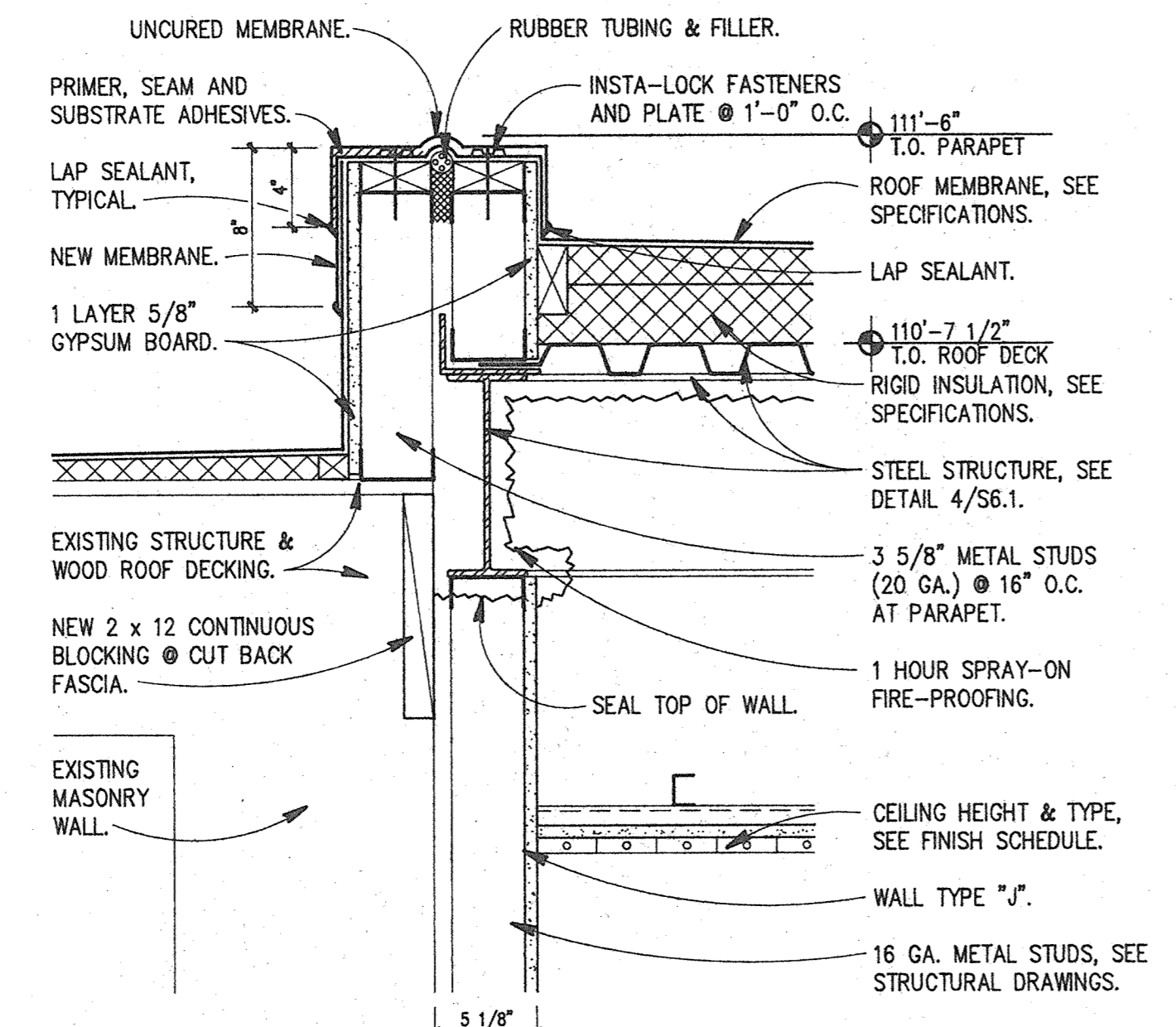
**6 WALL DETAIL**  
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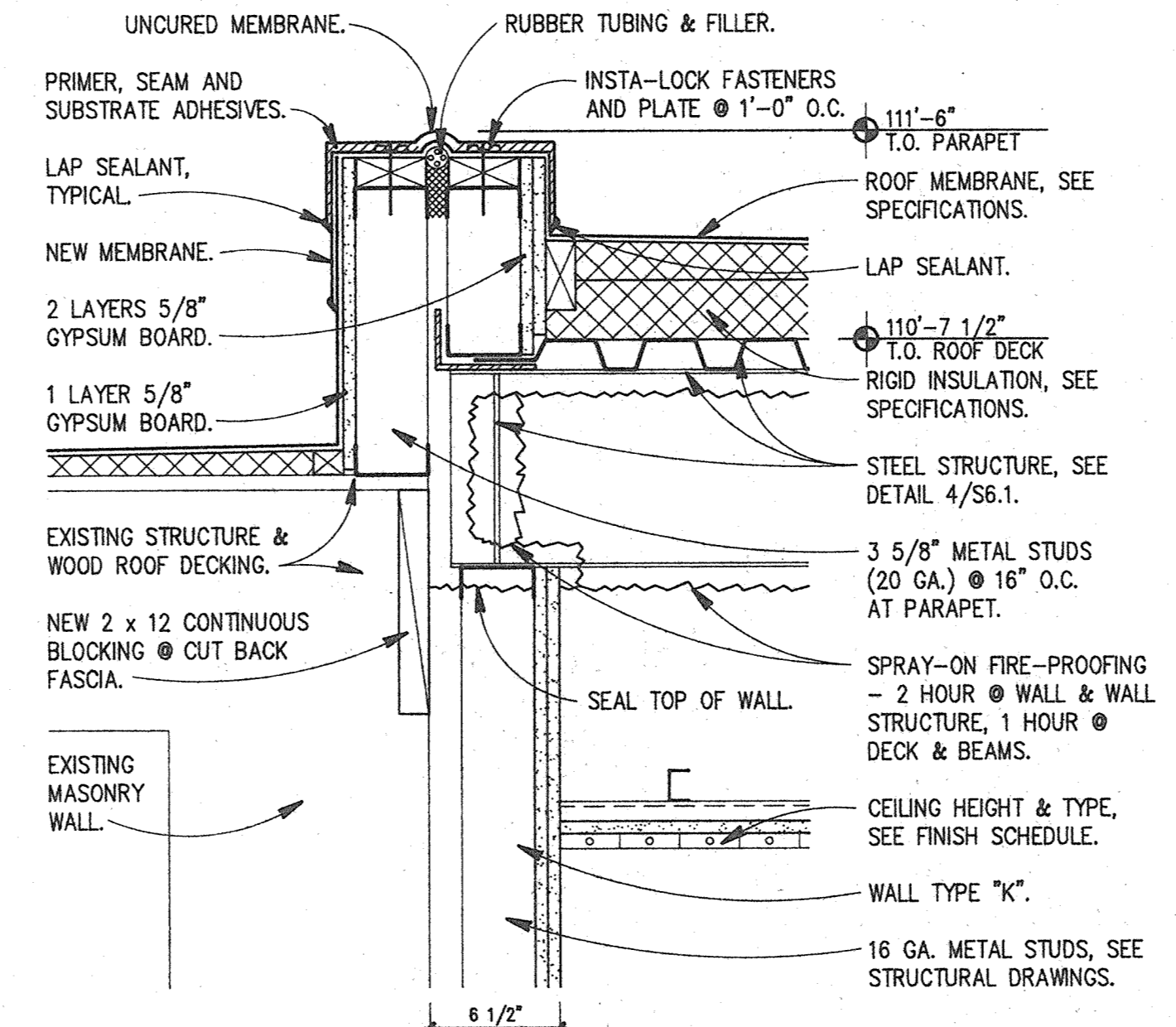
**5 DETAIL**  
SCALE 1 1/2"=1'-0"



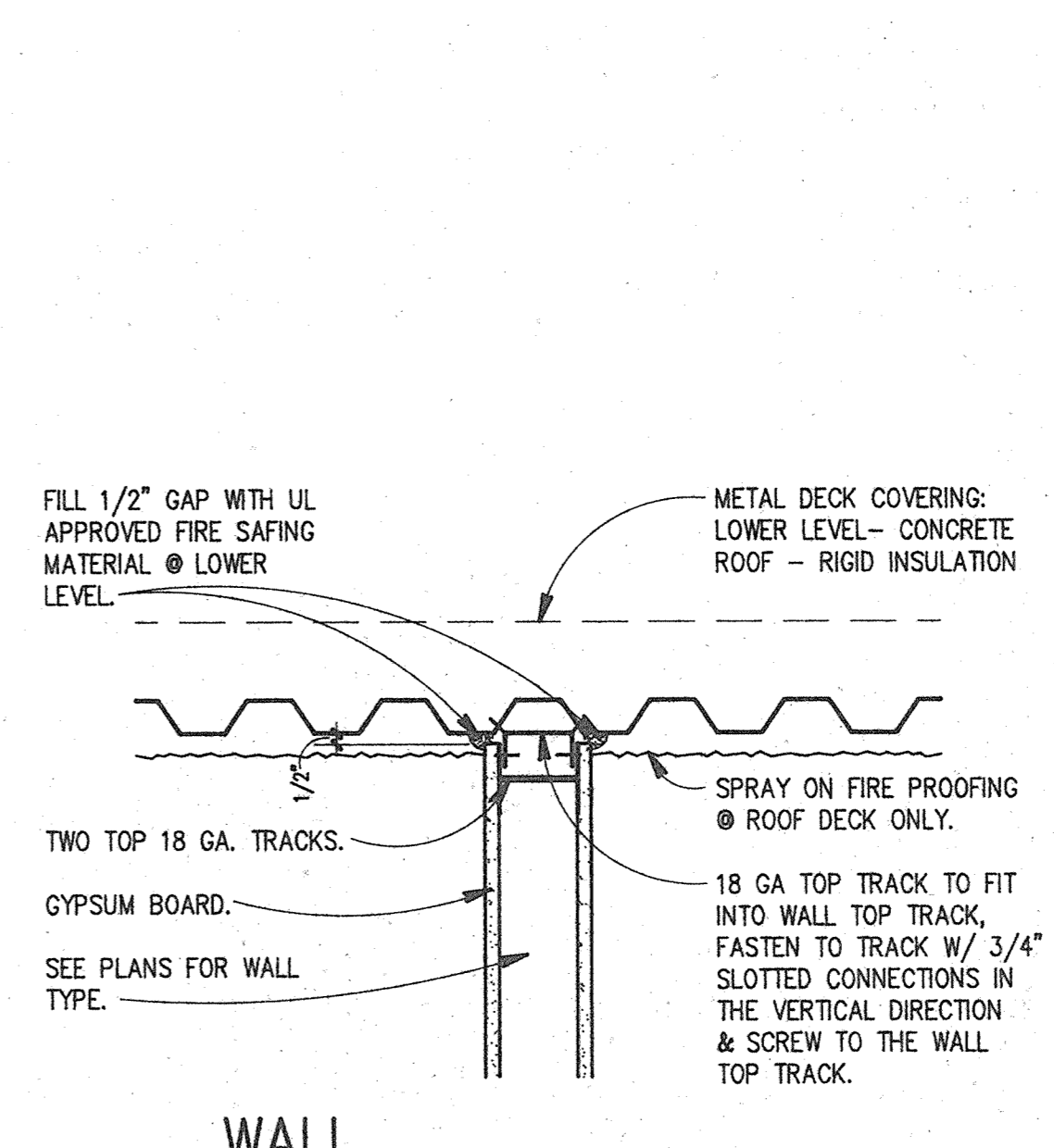
**4 DETAIL**  
SCALE 1 1/2"=1'-0"



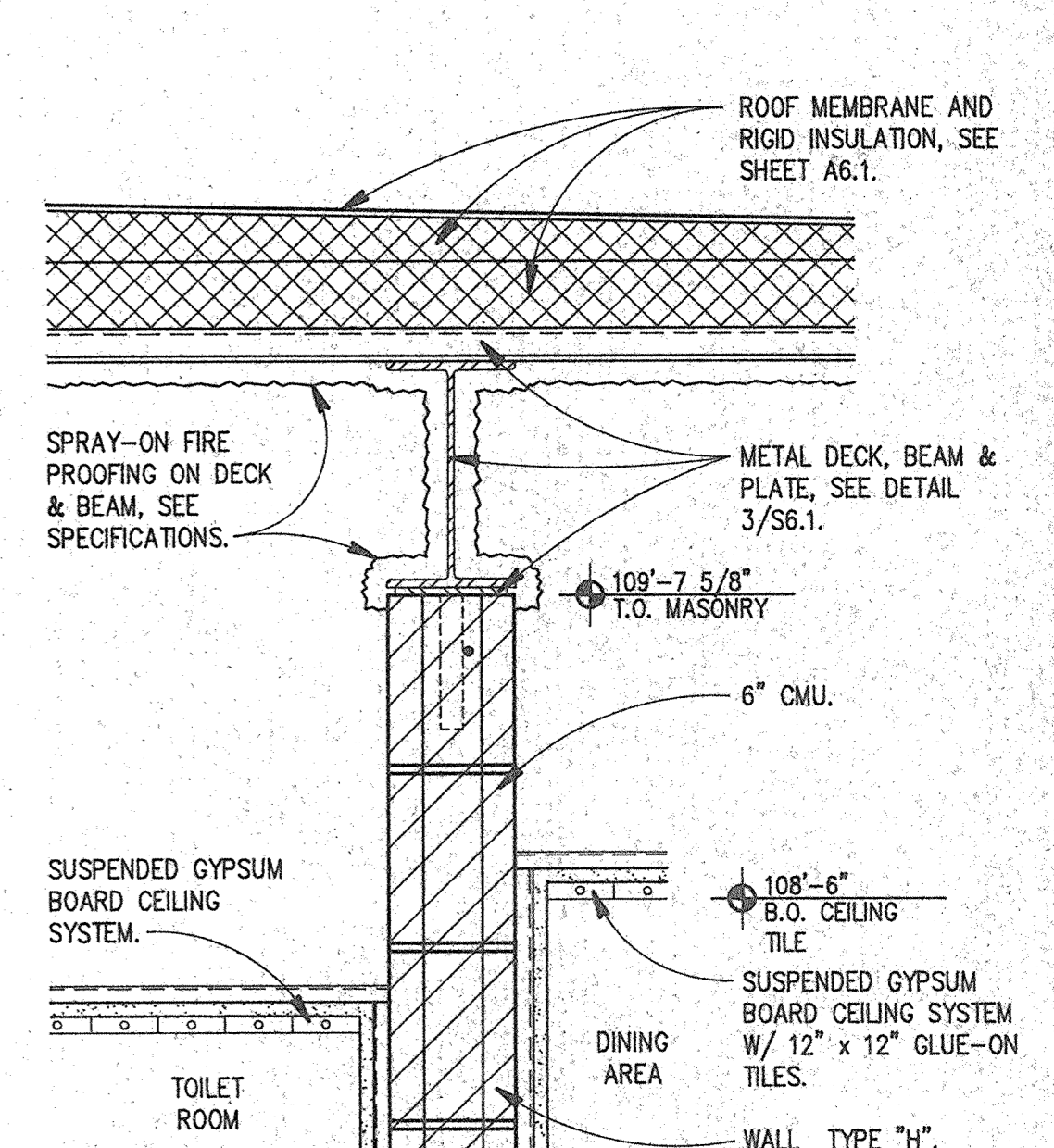
**10 ROOF DETAIL**  
SCALE 1 1/2"=1'-0"



**9 ROOF DETAIL**  
SCALE 1 1/2"=1'-0"



**8 WALL HEAD DETAIL (SLIP CONNECTION)**  
NO SCALE



**7 WALL HEAD DETAIL**  
SCALE 1 1/2"=1'-0"

486.33, c. 9/10/04/010333DWG, sheet 6"=1'-0", 02/25/93 at 09:14

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DATE: FEB. 25, 1993

JOB # 9110

BY: TLG

REVISIONS

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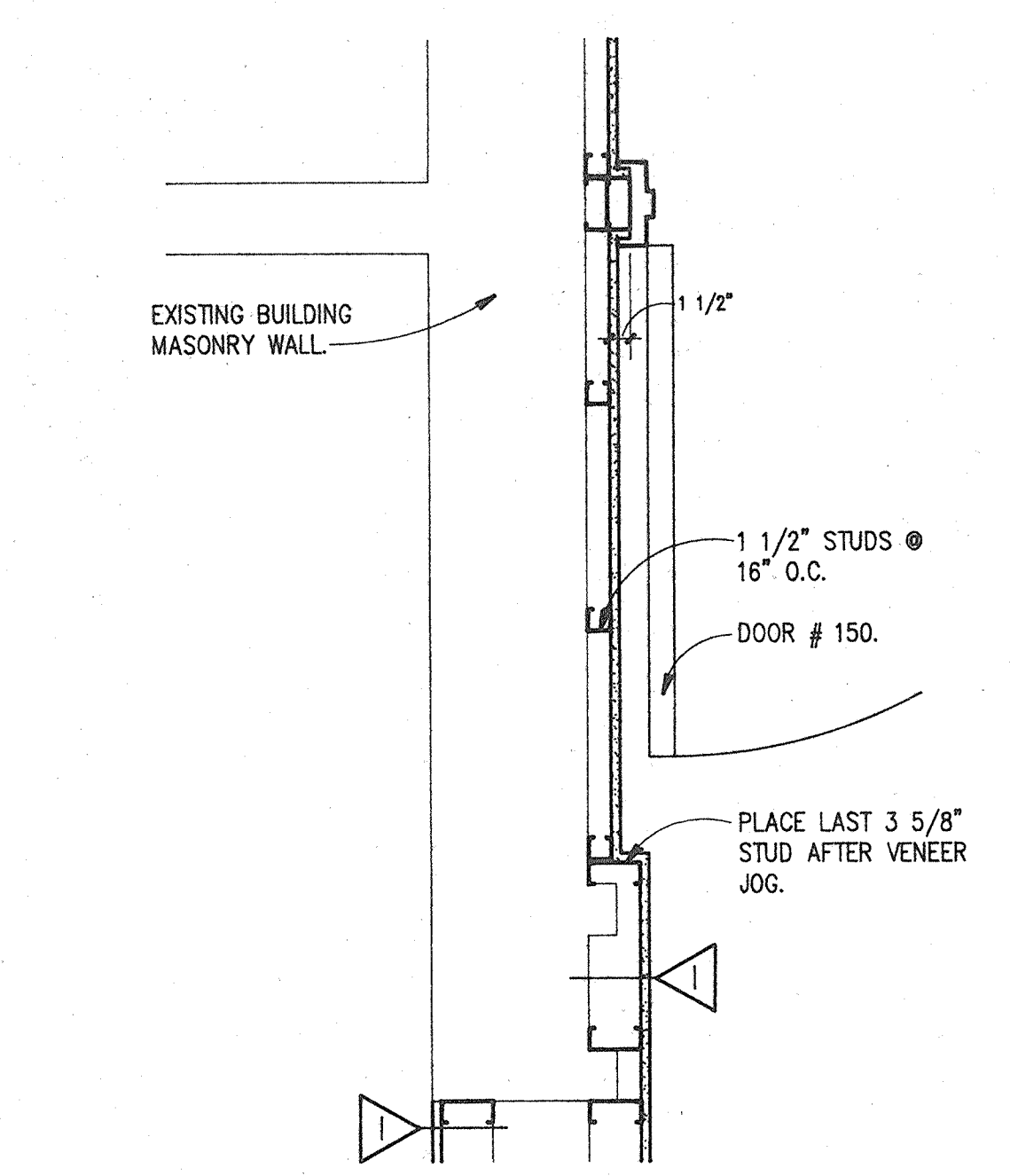
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801-580-5533

**A 3.3**

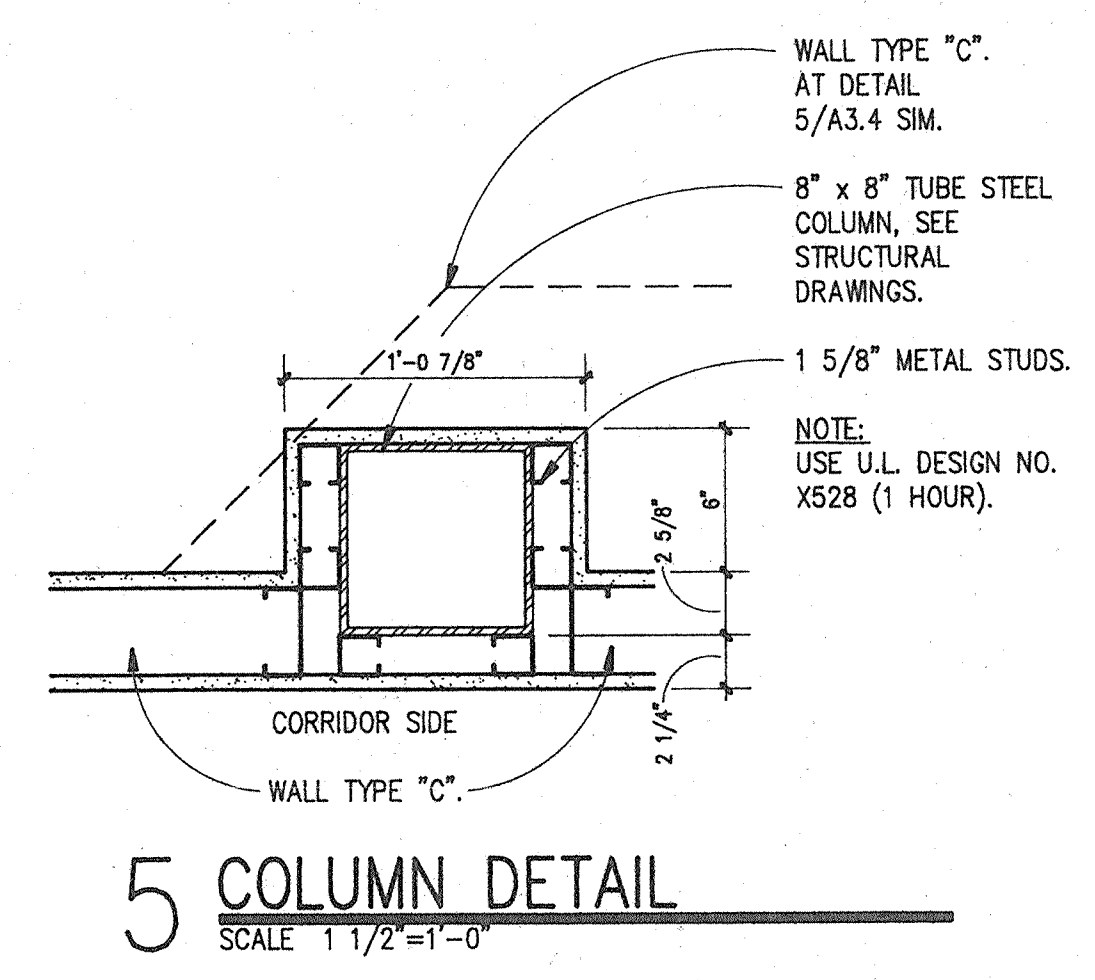
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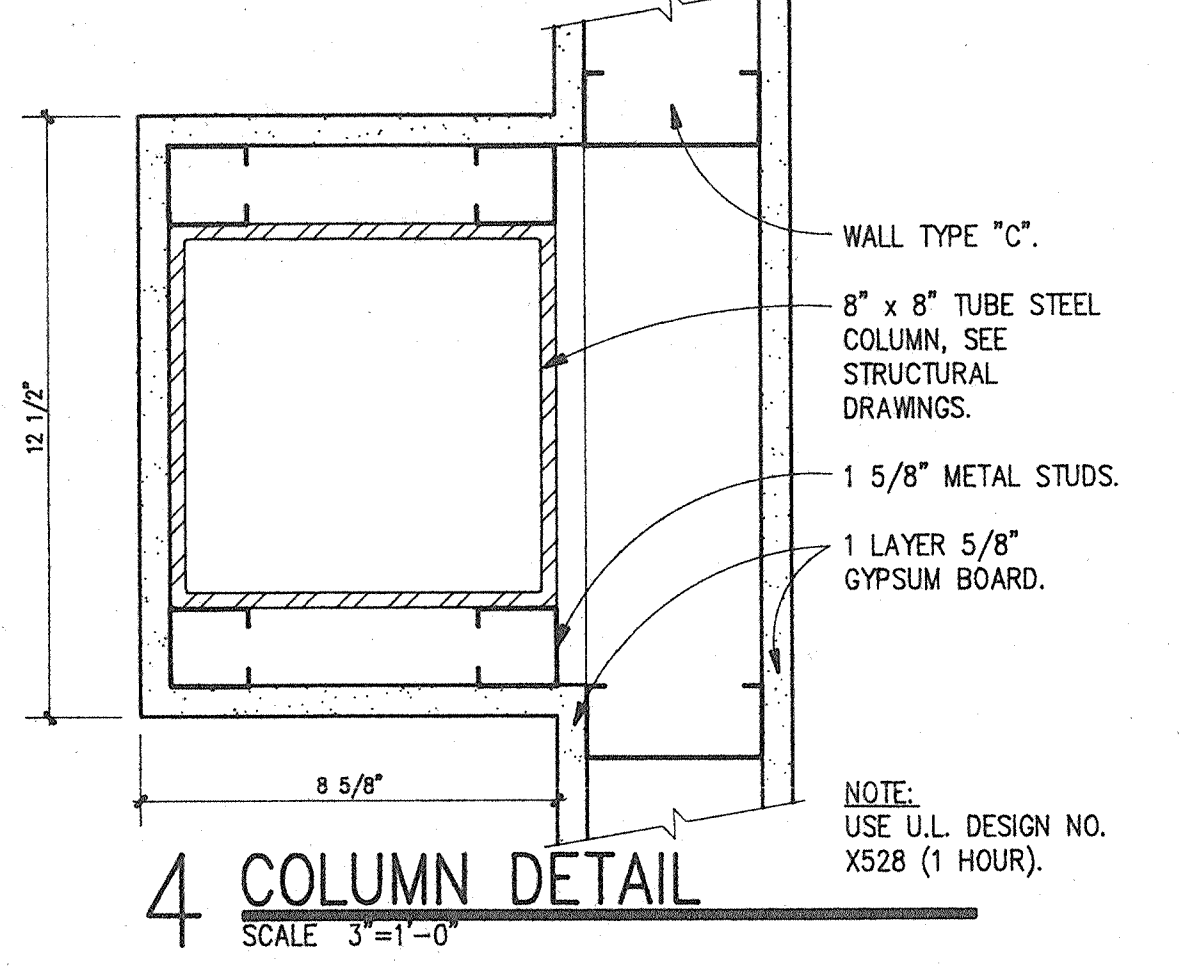
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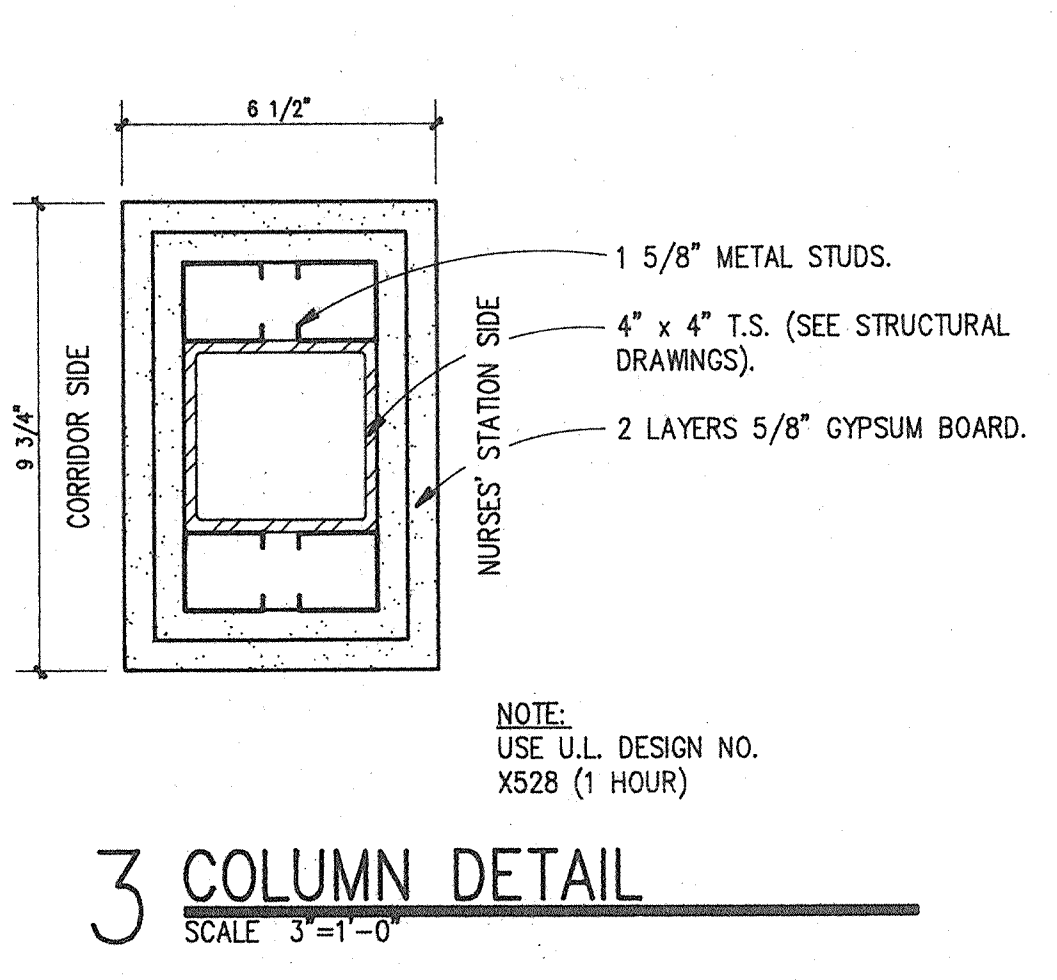
6 DETAIL  
SCALE 1"=1'-0"



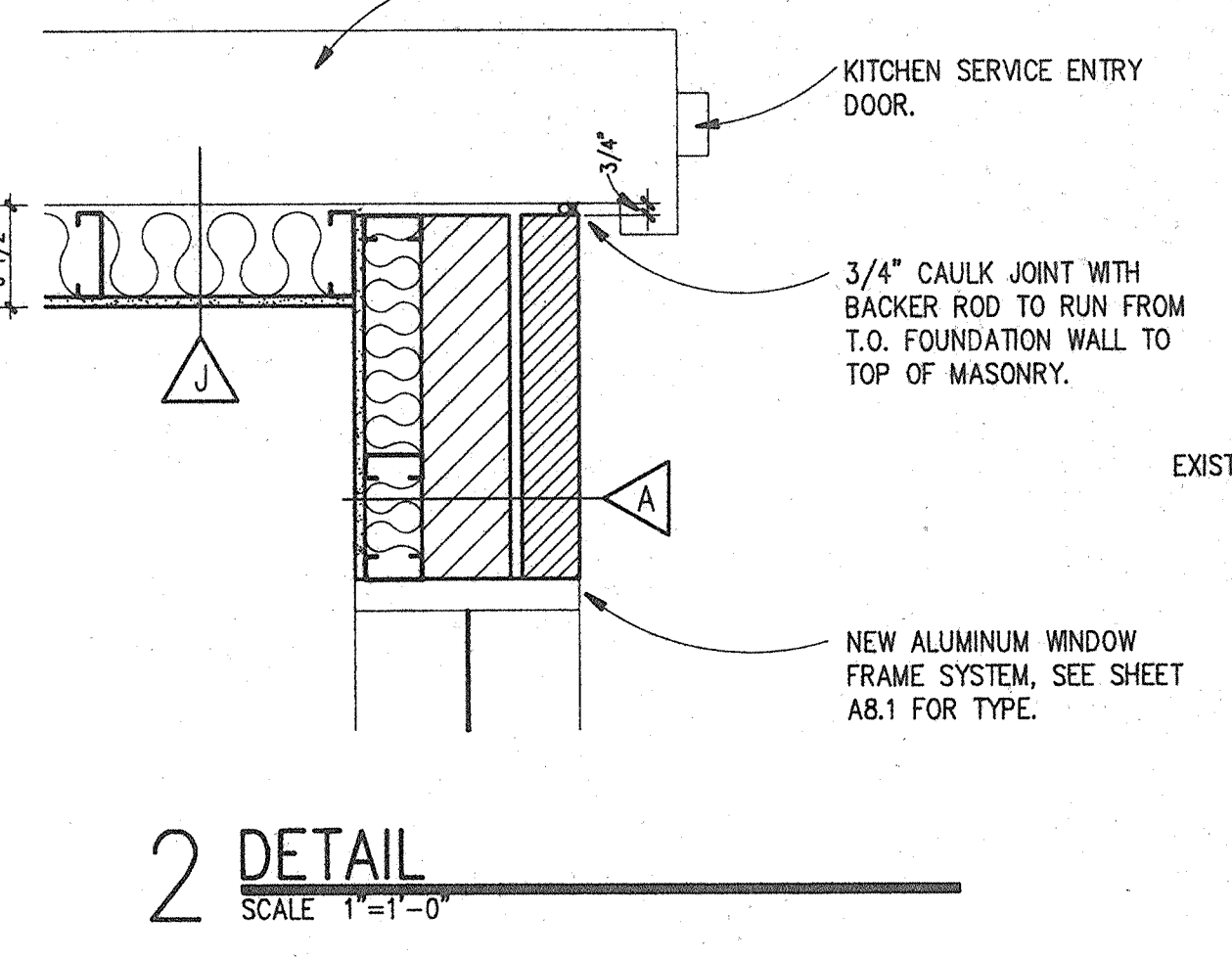
5 COLUMN DETAIL  
SCALE 1 1/2"=1'-0"



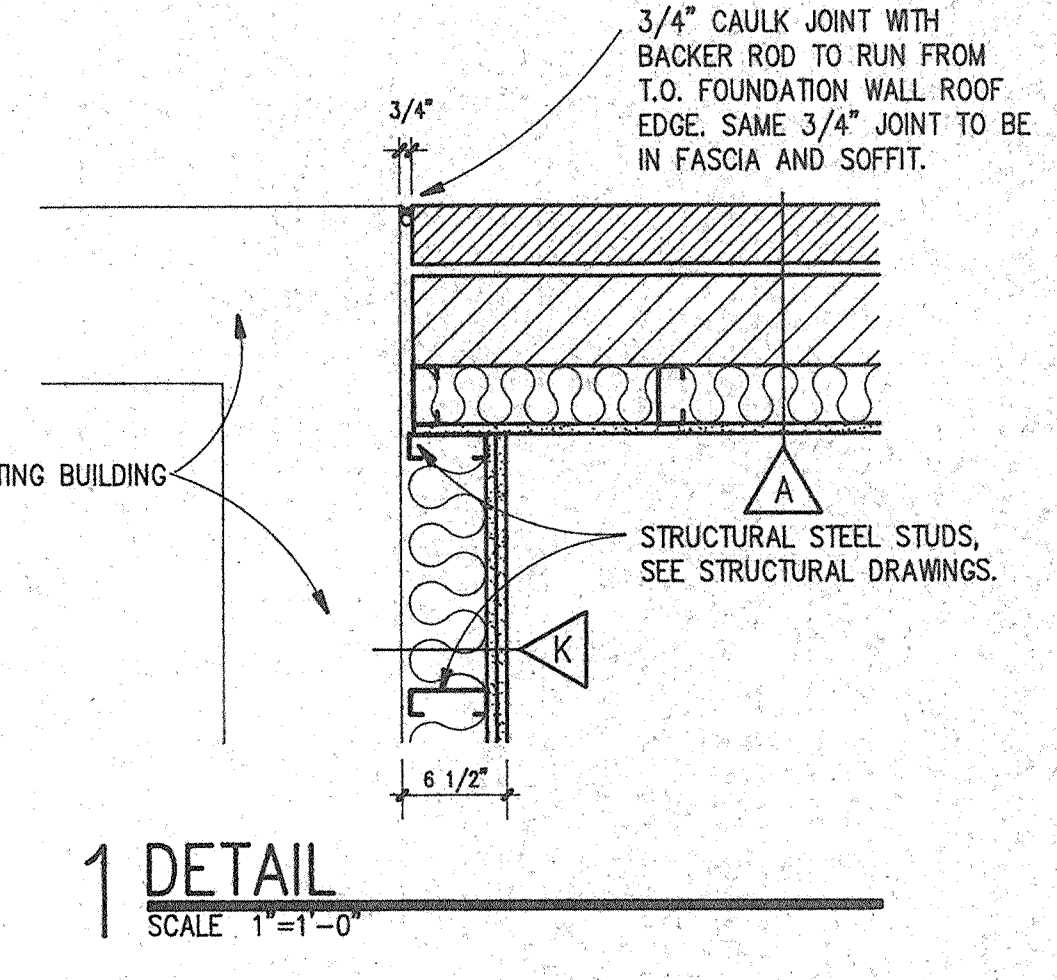
4 COLUMN DETAIL  
SCALE 3"=1'-0"



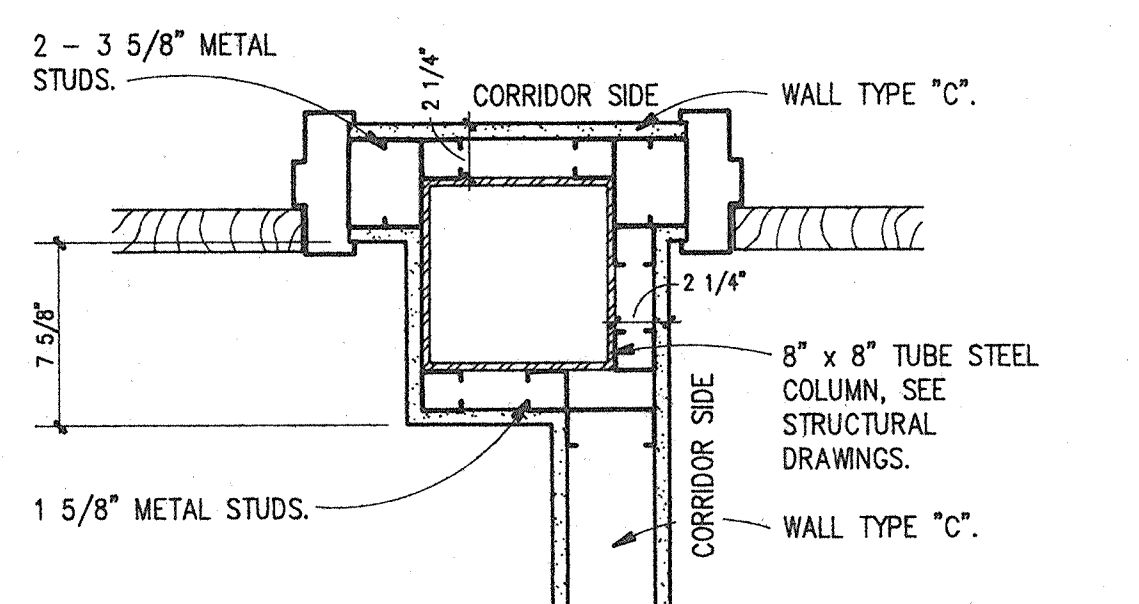
3 COLUMN DETAIL  
SCALE 3"=1'-0"



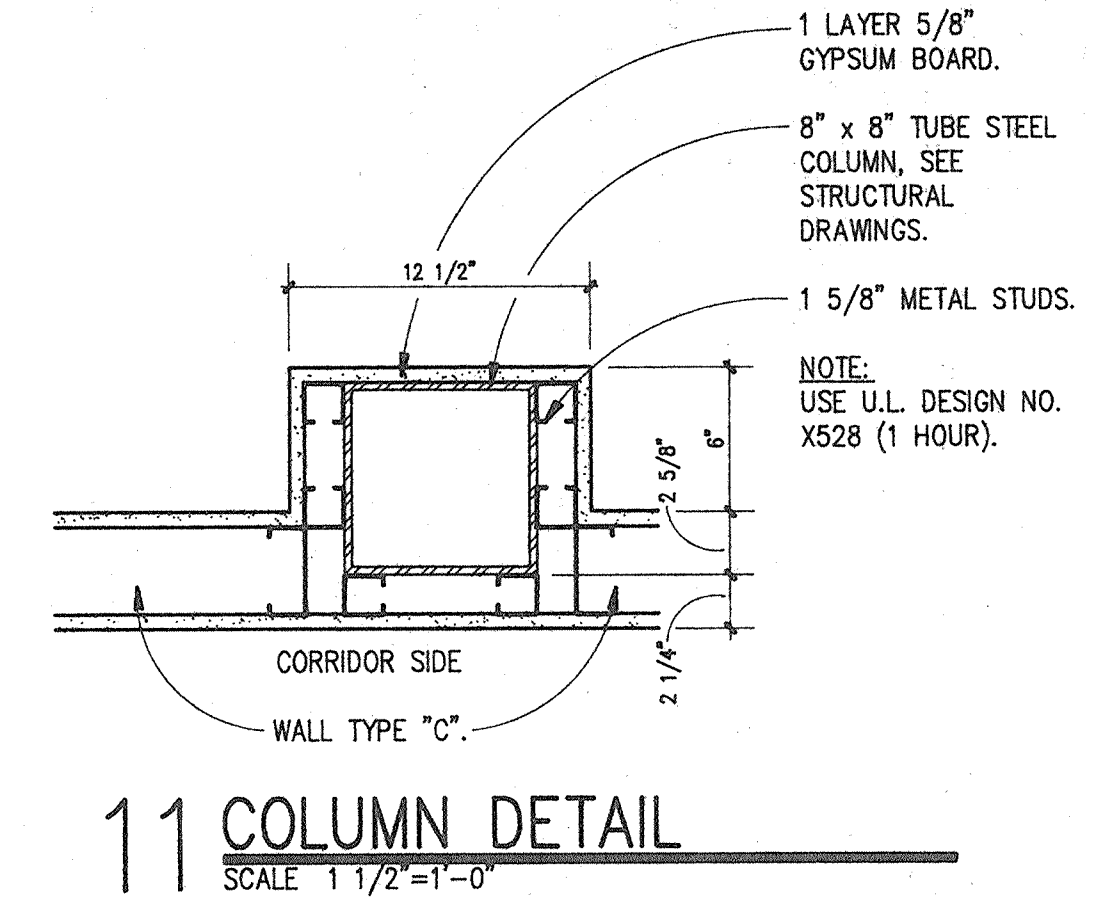
2 DETAIL  
SCALE 1"=1'-0"



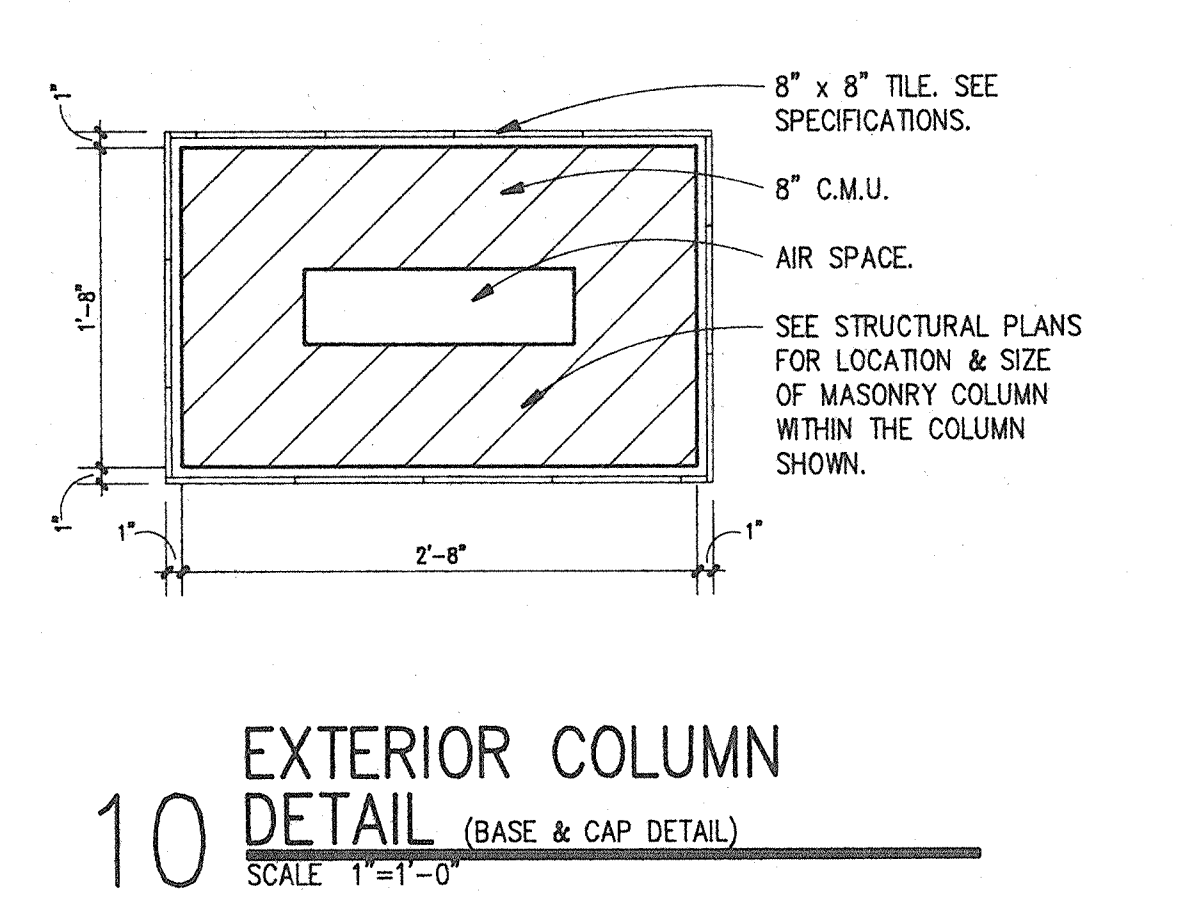
1 DETAIL  
SCALE 1"=1'-0"



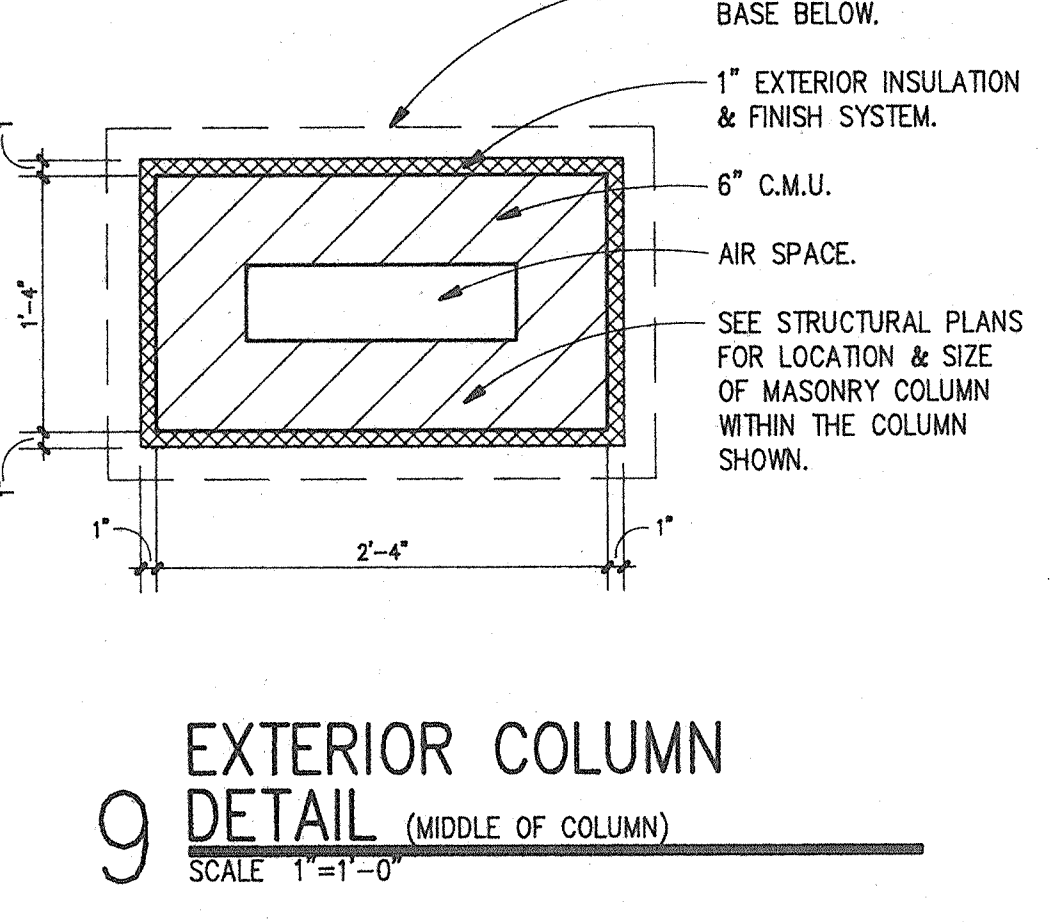
12 COLUMN DETAIL  
SCALE 1 1/2"=1'-0"



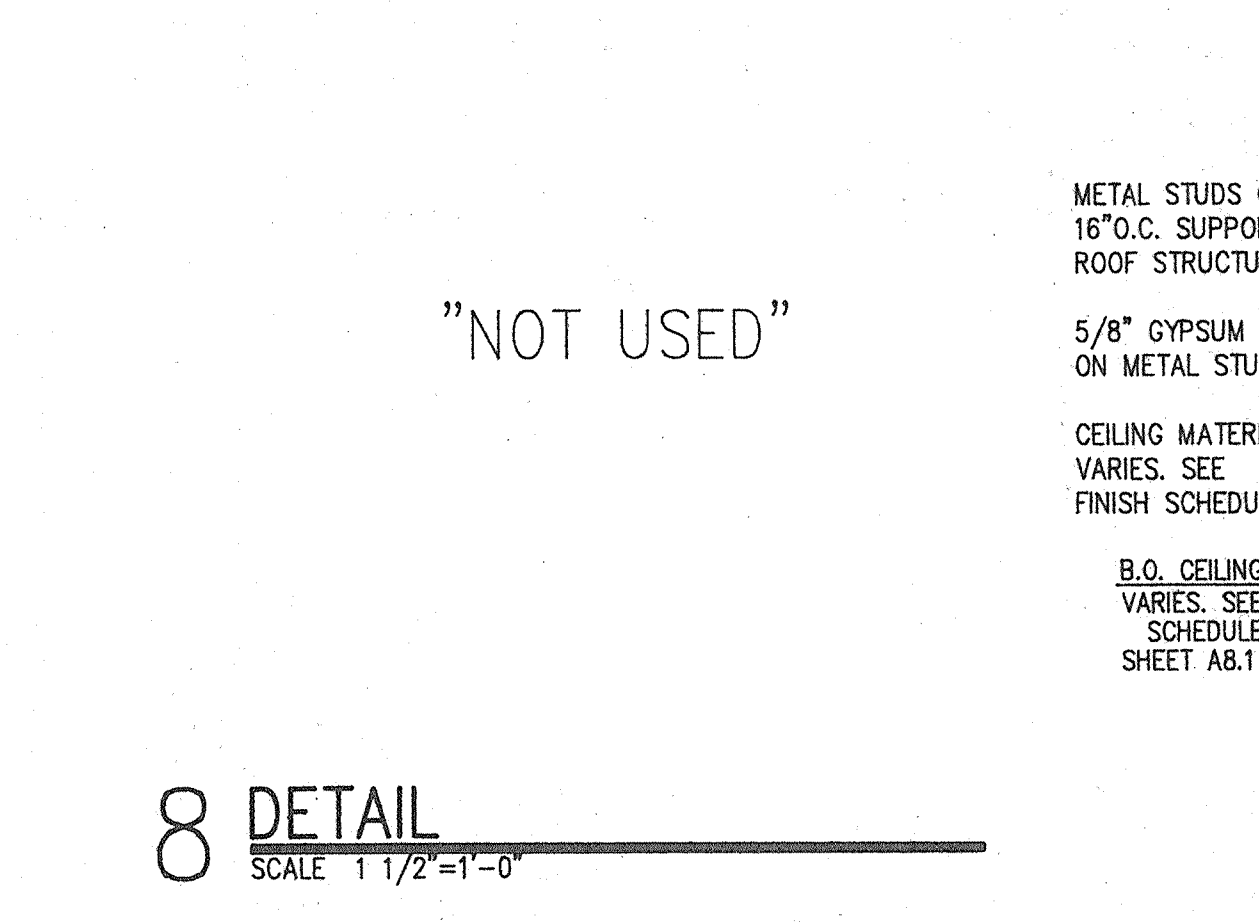
11 COLUMN DETAIL  
SCALE 1 1/2"=1'-0"



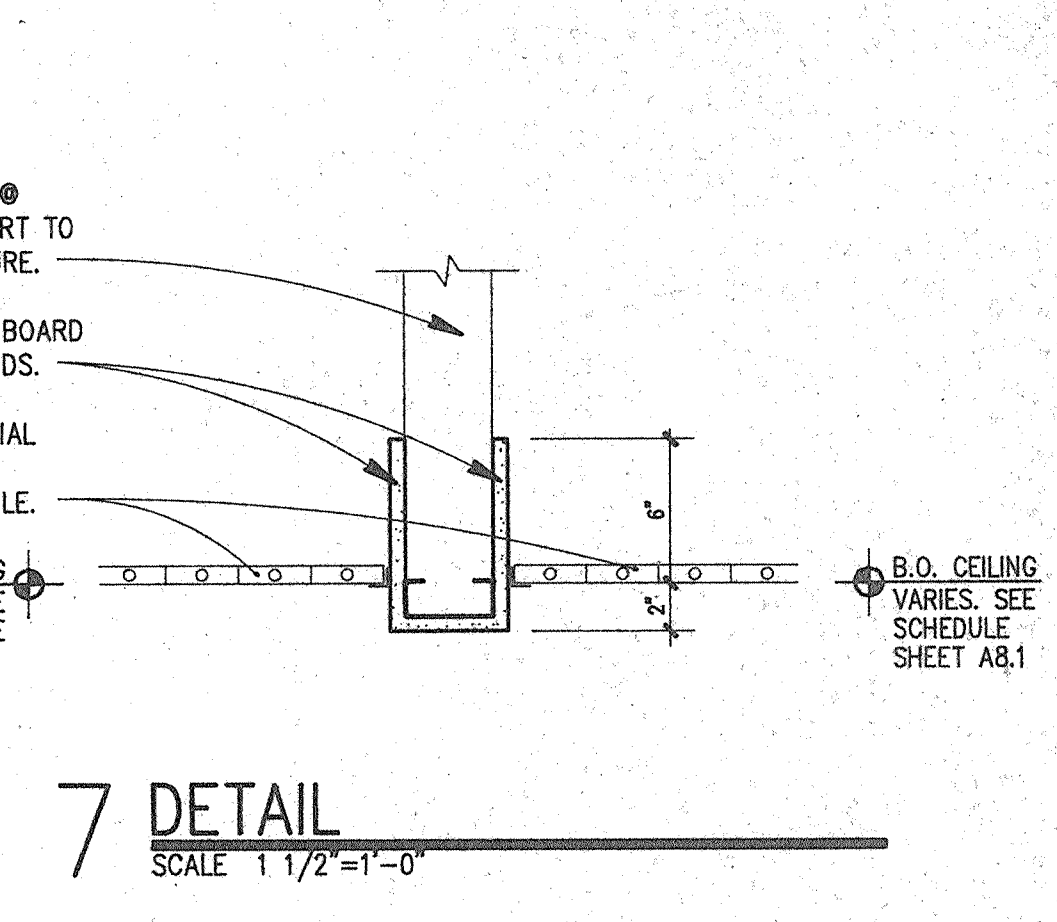
10 EXTERIOR COLUMN  
DETAIL (BASE & CAP DETAIL)  
SCALE 1"=1'-0"



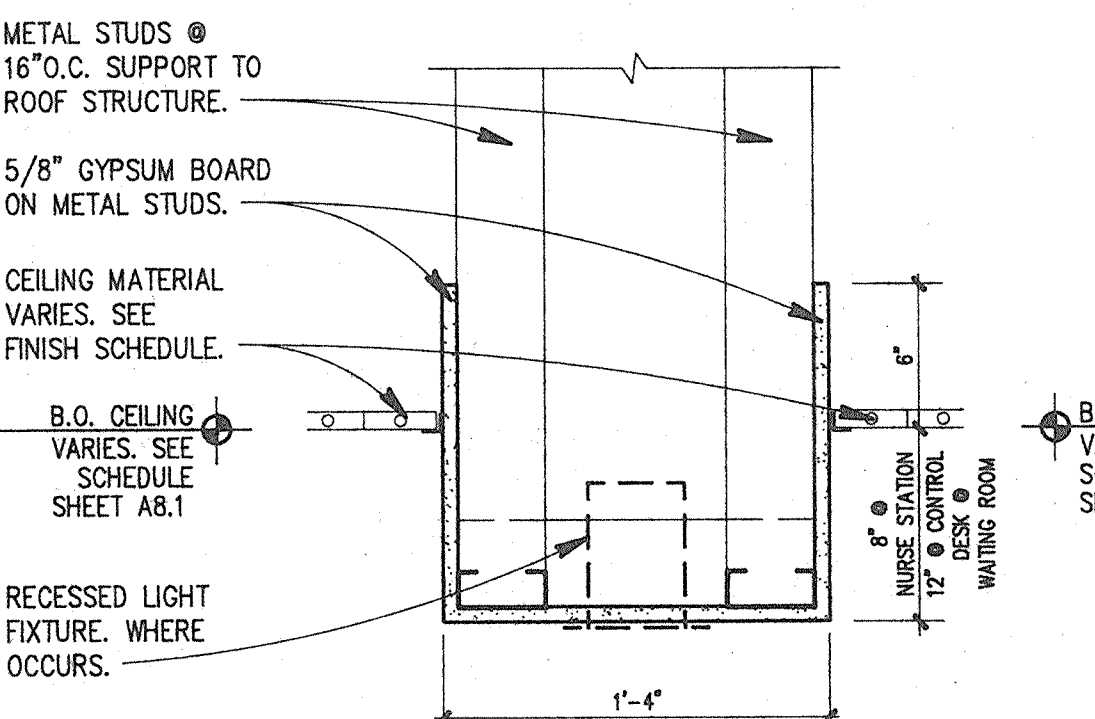
9 EXTERIOR COLUMN  
DETAIL (MIDDLE OF COLUMN)  
SCALE 1"=1'-0"



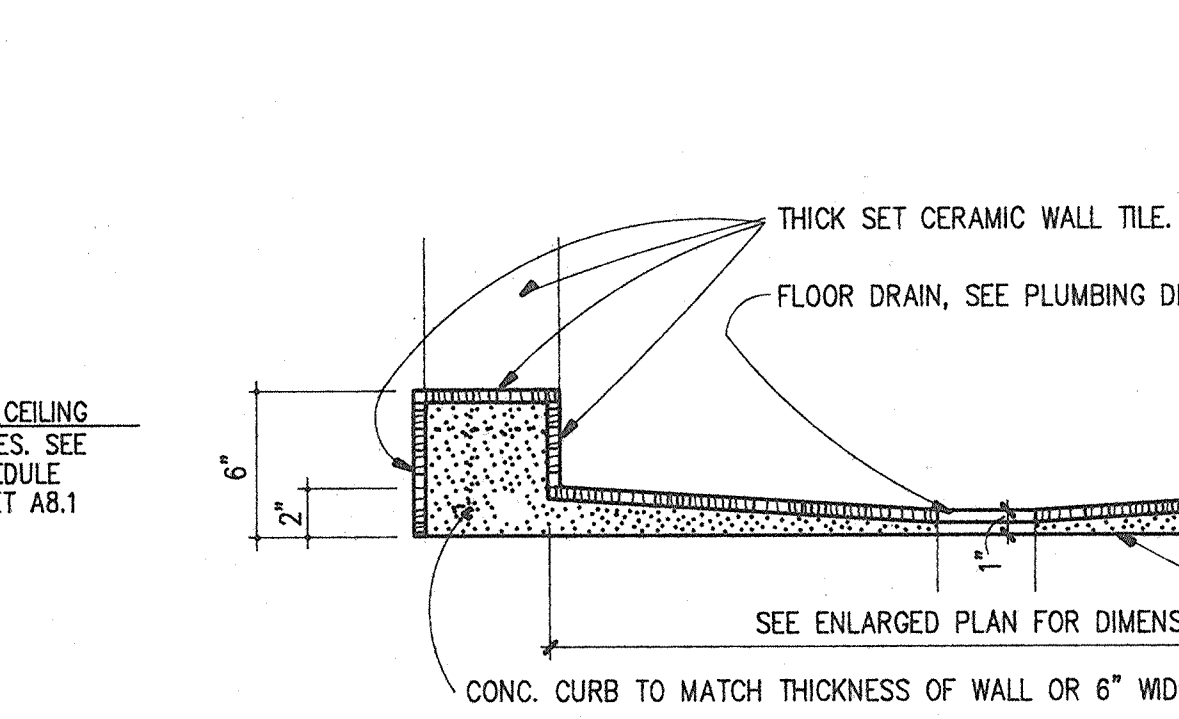
8 DETAIL  
SCALE 1 1/2"=1'-0"



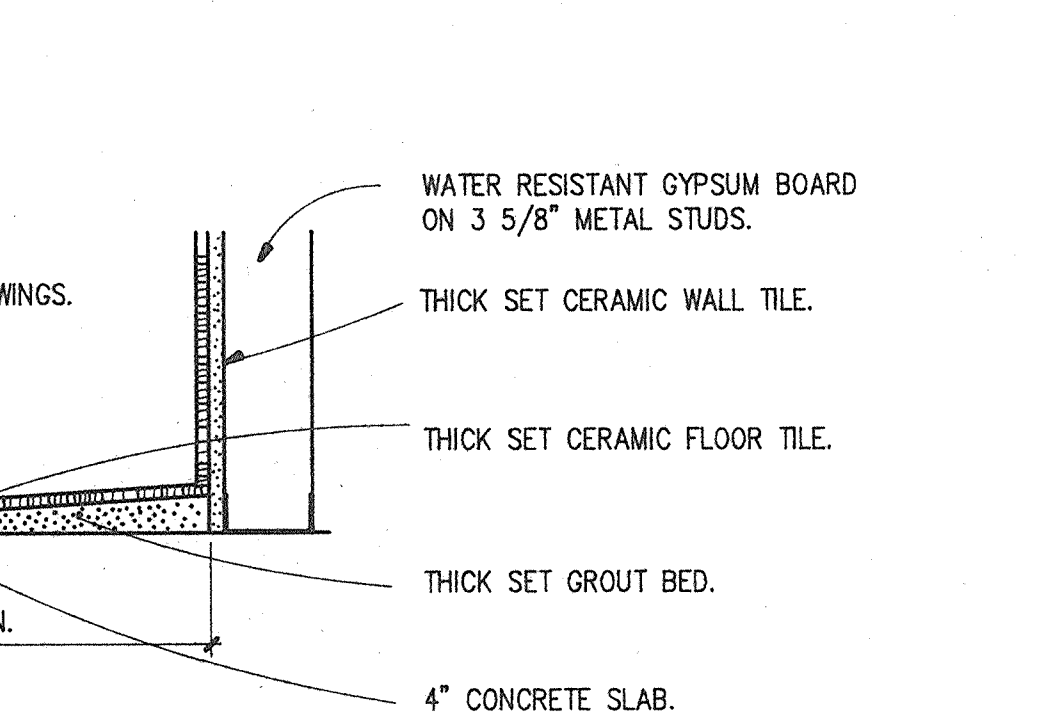
7 DETAIL  
SCALE 1 1/2"=1'-0"



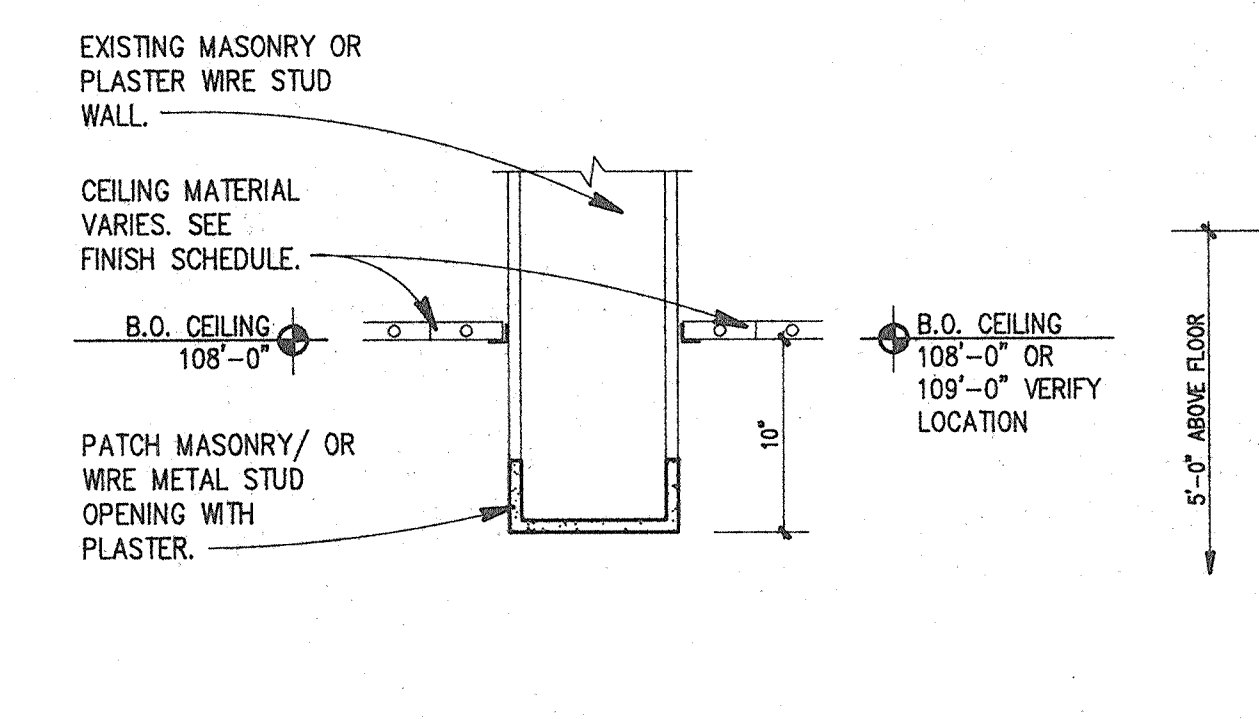
16 DETAIL  
SCALE 1 1/2"=1'-0"



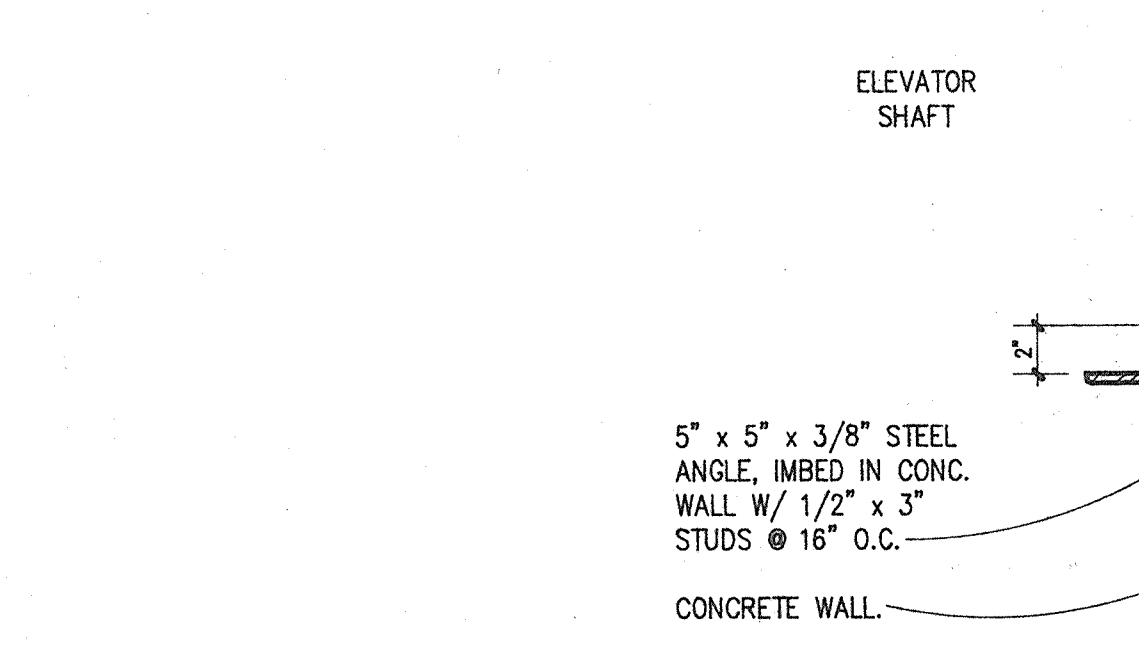
15 DETAIL  
SCALE 1 1/2"=1'-0"



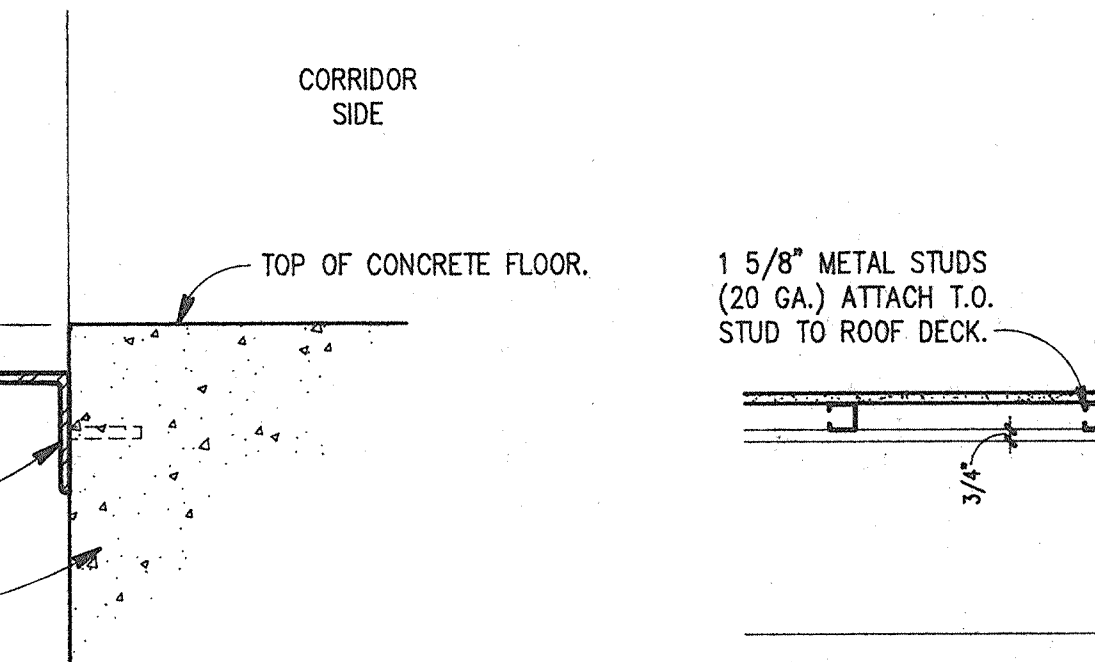
14 DETAIL  
SCALE 1 1/2"=1'-0"



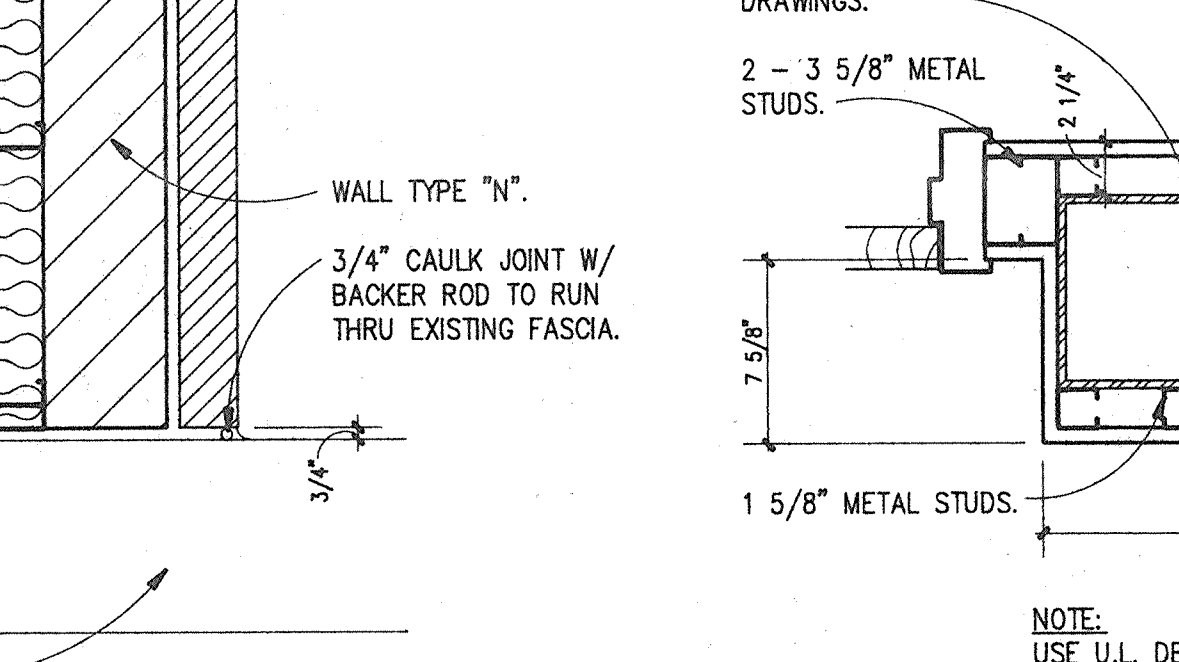
13 FIRE EXTINGUISHER  
CABINET DETAILS (TYPICAL DETAIL)  
NO SCALE



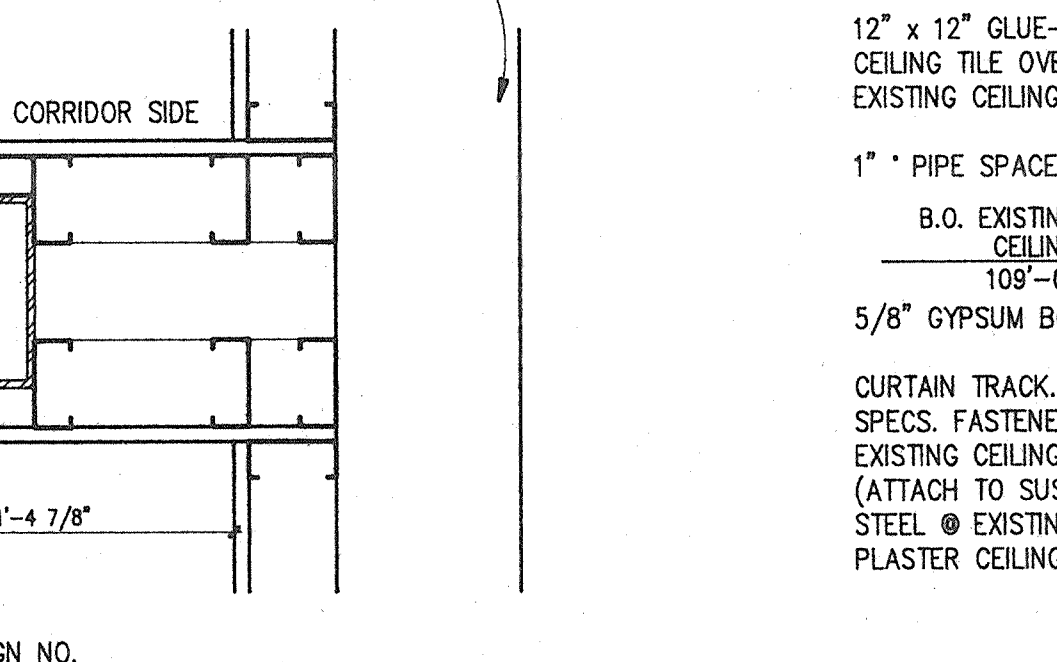
21 ELEVATOR SILL @ DOOR  
SCALE 1 1/2"=1'-0"



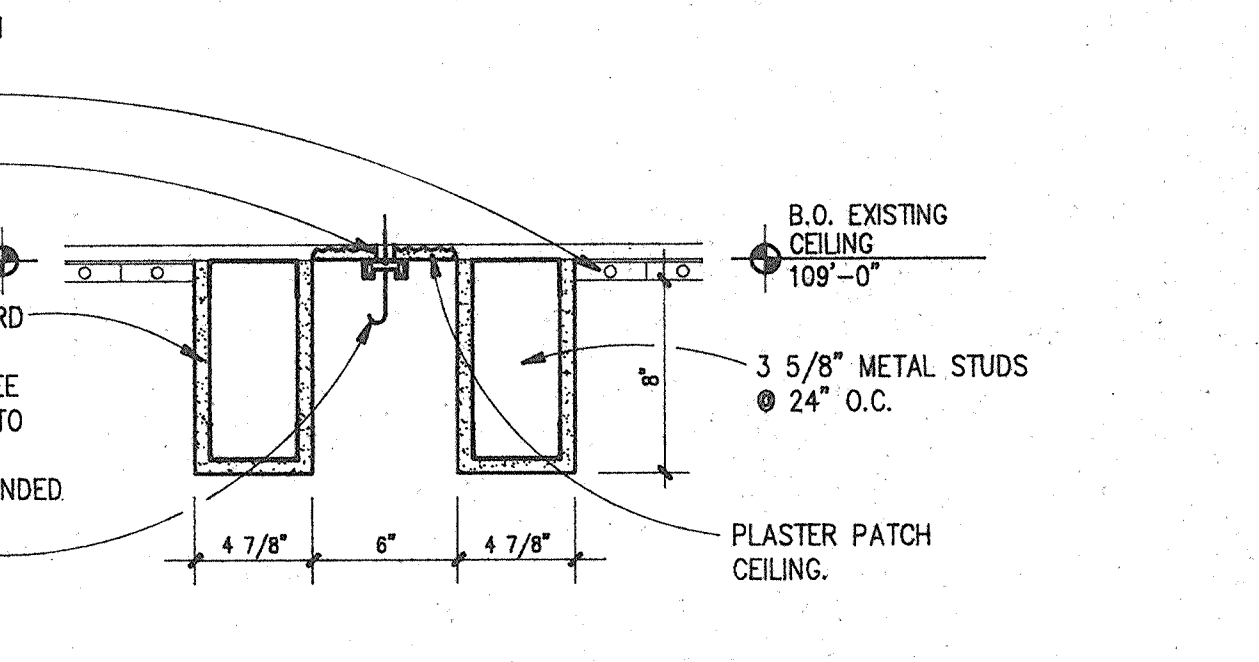
20 DETAIL  
SCALE 1"=1'-0"



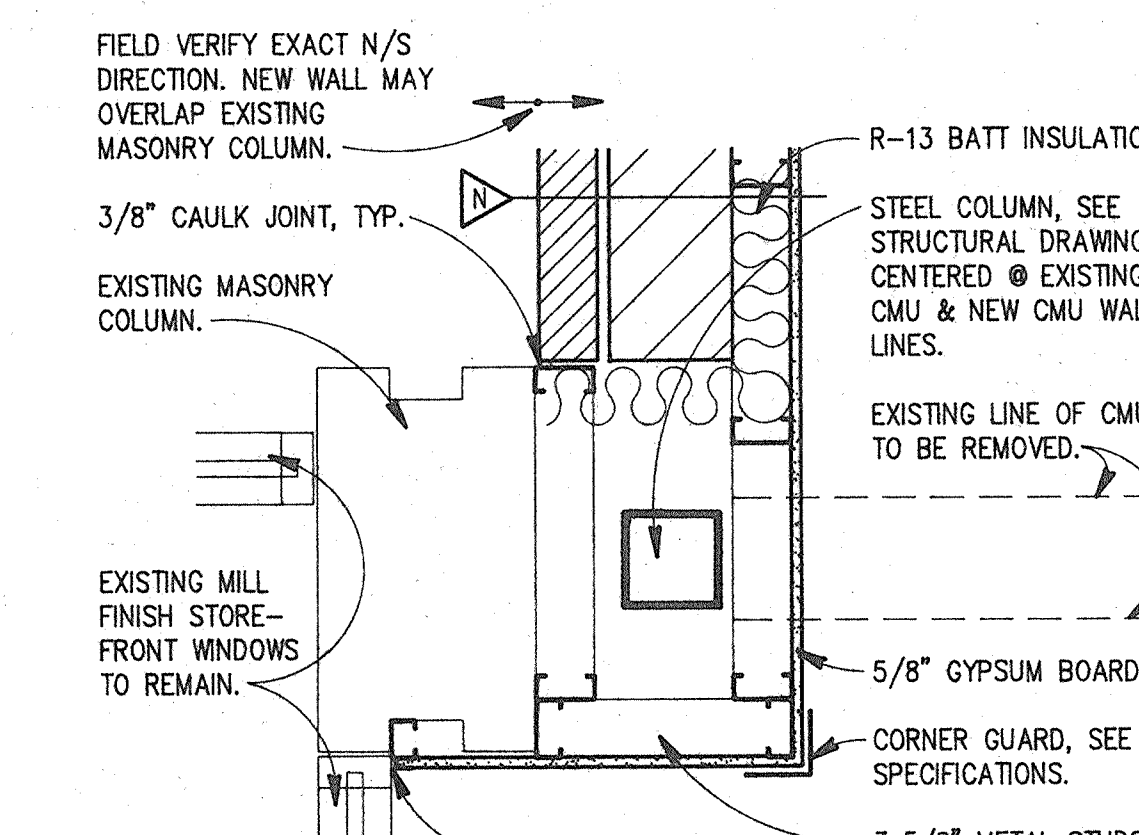
19 COLUMN DETAIL  
SCALE 1 1/2"=1'-0"



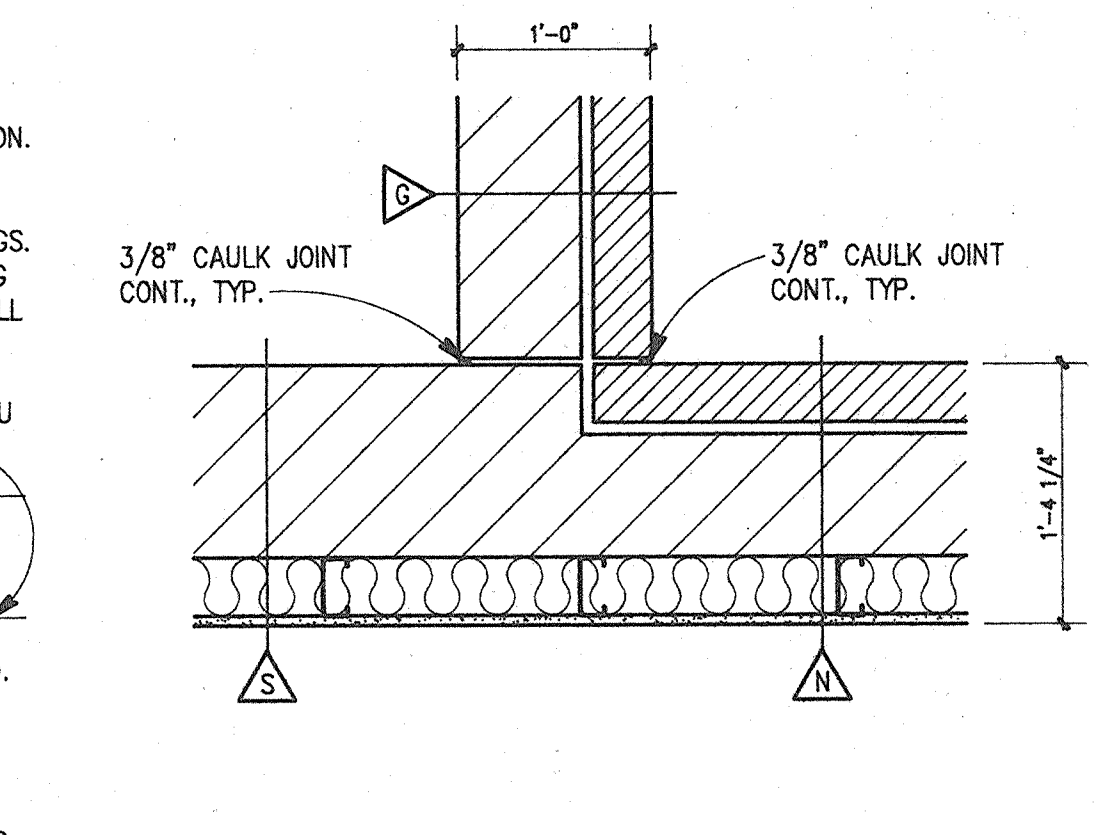
18 DETAIL  
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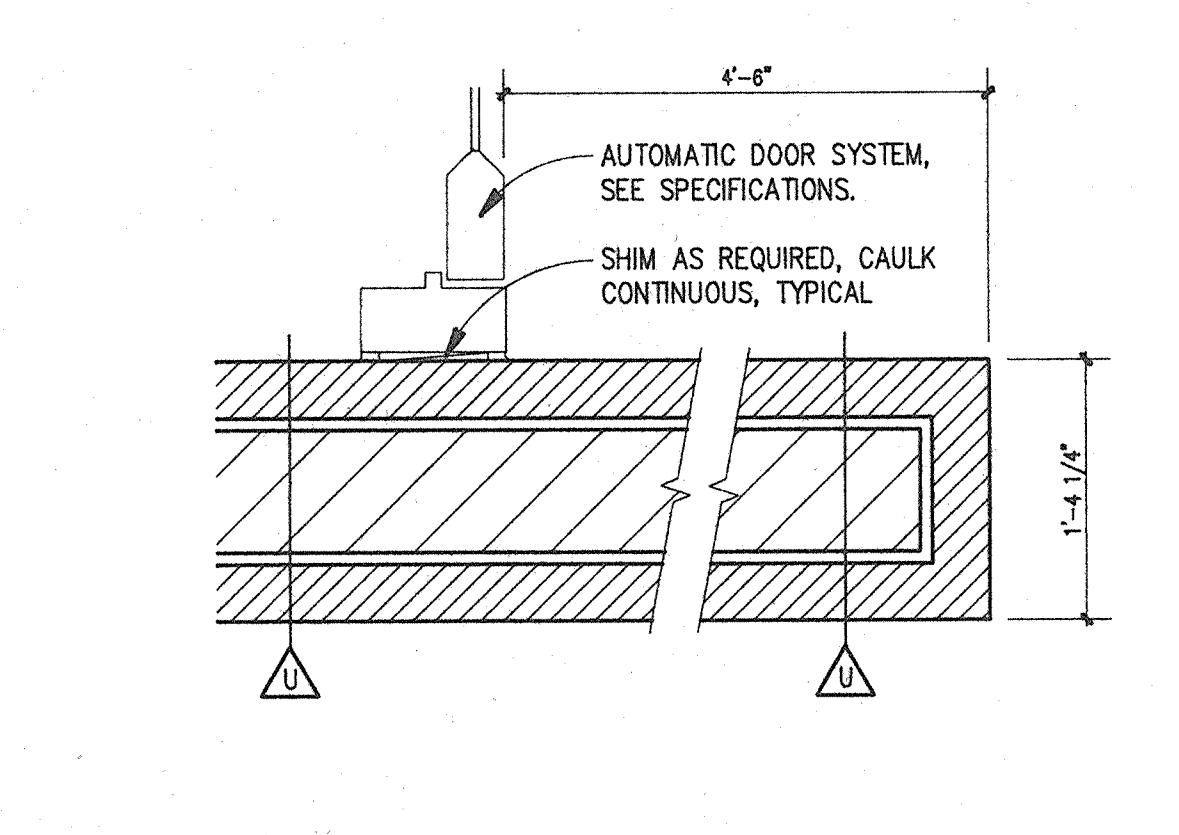
17 DETAIL  
SCALE 1 1/2"=1'-0"



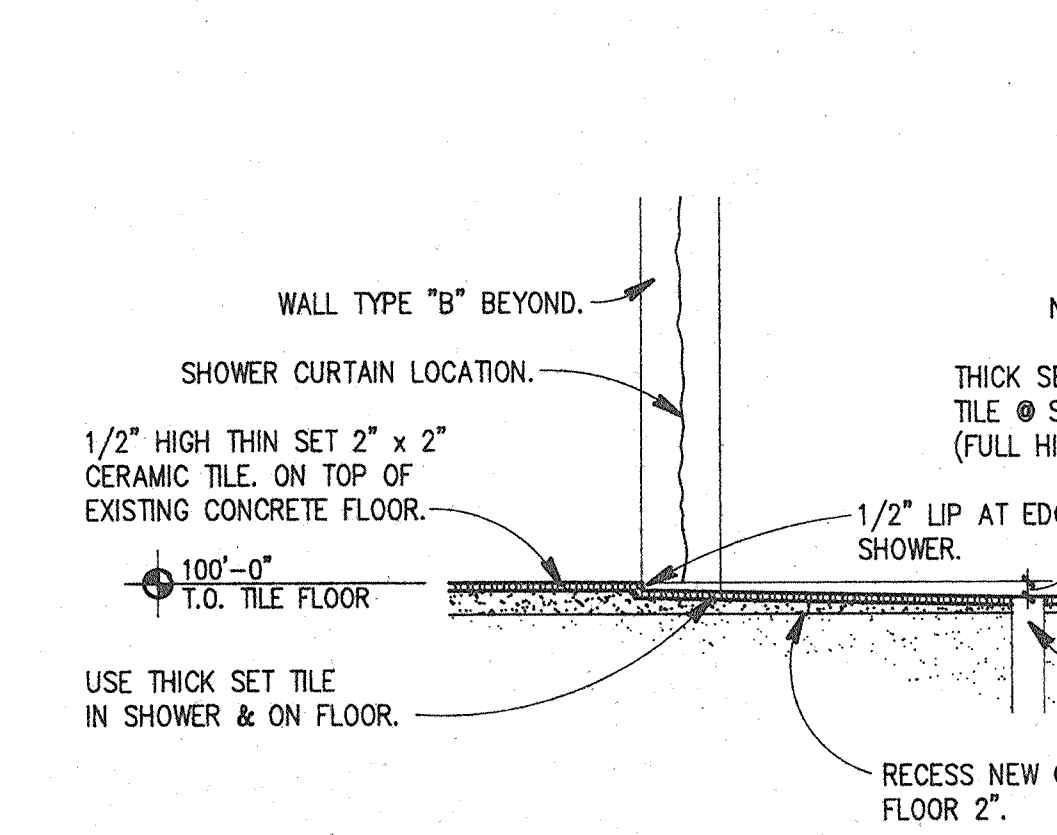
26 DETAIL  
SCALE 1"=1'-0"



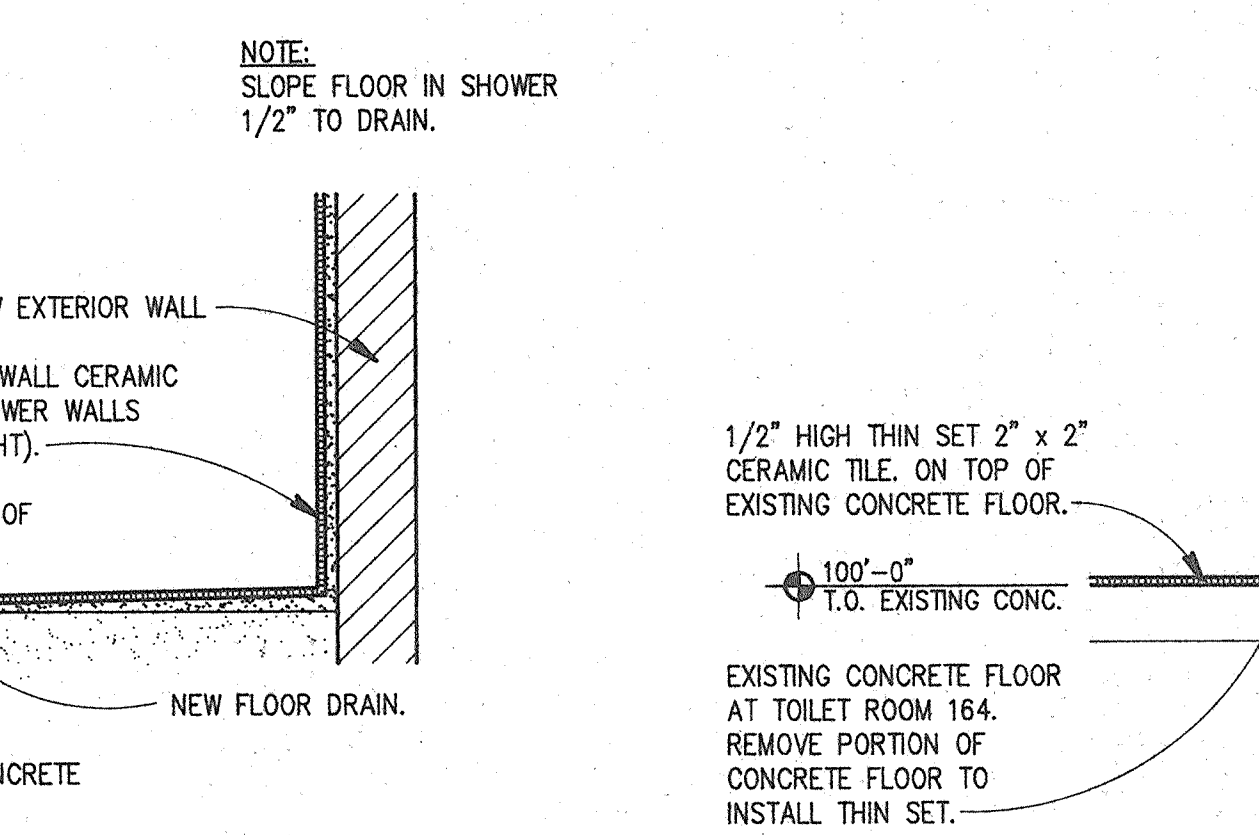
25 DETAIL  
SCALE 1"=1'-0"



24 DETAIL  
SCALE 1"=1'-0"



23 SHOWER DETAIL  
SCALE 1"=1'-0"



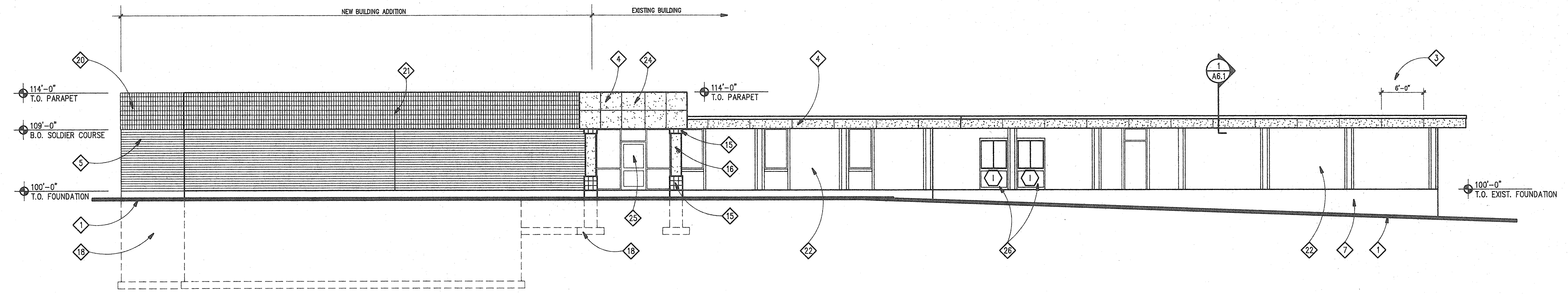
22 SHOWER DETAIL  
SCALE 1"=1'-0"

**ELEVATION KEY NOTES**

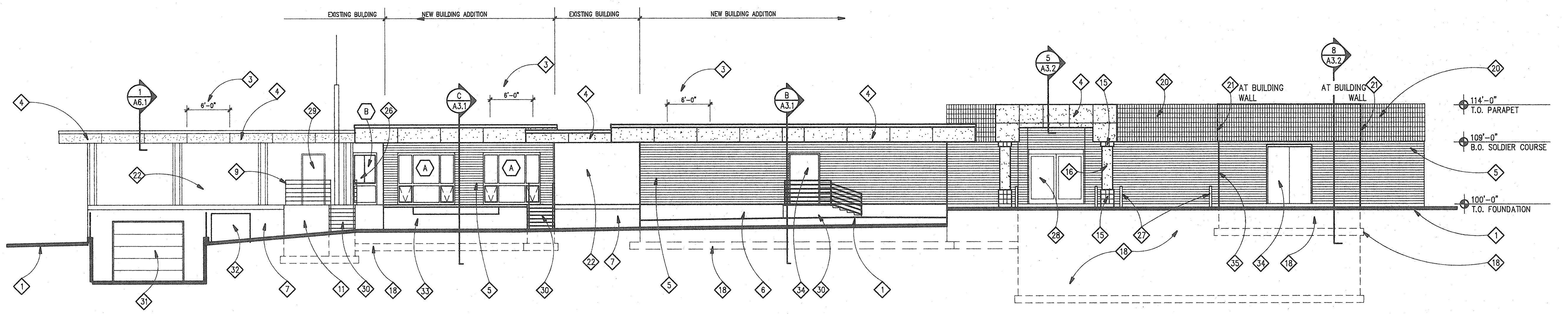
- 1 GRADE AT BUILDING, SEE SD SHEETS FOR ACTUAL GRADES.
- 2 GUARDRAIL AT STAIRWAY, SEE SD SHEETS FOR DETAILS.
- 3 DIMENSIONS BETWEEN JOINTS ON FASCIA, SEE DETAIL 7/A5.1.
- 4 1" EXTERIOR INSULATION & FINISH SYSTEM ON SOFFIT.
- 5 RUNNING BOND BRICK VENER TO MATCH EXISTING BRICK COLOR.
- 6 HAND RUB EXPOSED FOUNDATION TO MATCH EXISTING.
- 7 EXISTING EXPOSED FOUNDATION.
- 8 NEW 1" EXTERIOR INSULATION & FINISH SYSTEM.
- 9 GUARDRAIL AT DOCK, SEE SD SHEETS FOR DETAILS.
- 10 HANDRAIL AT STAIRS, SEE SD SHEETS FOR DETAILS.
- 11 HAND RUB EXPOSED FOUNDATION WALL AT NEW DOCK AREA.
- 12 EXISTING GUARDRAILS TO LOWER DOCK DOORS, REPAINT.
- 13 NEW ALUMINUM ENTRY DOORS, SEE FLOOR PLAN.
- 14 SAW CUT NEW WINDOW INTO EXISTING MASONRY.
- 15 8" x 8" TILE ON COLUMN, SEE SPECIFICATIONS.
- 16 1" EXTERIOR INSULATION & FINISH SYSTEM ON CMU COLUMN.
- 17 INFILL OLD DOOR WITH NEW STOREFRONT SYSTEM TO MATCH EXISTING GLASS AREA.
- 18 CONCRETE FOOTING & FOUNDATIONS, SEE STRUCTURAL DRAWINGS.
- 19 NEW ALUMINUM DOOR AND GLAZING.
- 20 SOLDIER COURSE BRICK STARTING AT 109'-0" TO T.O. MASONRY.
- 21 3/8" CAULK CONTROL JOINT AT MASONRY WALL.
- 22 EXISTING BRICK VENER.
- 23 MASONRY ENCLOSURE (MECH.), SEE SD SHEETS.
- 24 NEW ENTRY CANOPY.
- 25 REPLACE ALUMINUM DOOR WITH SALVAGED OPPOSITE SWING DOOR AND REPAIR FRAME AS REQUIRED.
- 26 SAW CUT NEW WINDOWS INTO EXISTING MASONRY WALL.
- 27 BOLLARD PROTECTION AT PAD PARKING AND E.R. ENTRY, SEE SD SHEETS FOR DETAILS (FIELD PAINT).
- 28 NEW ALUMINUM AUTOMATIC DOORS, SEE FLOOR PLAN.
- 29 SAW CUT NEW DOOR AND FRAME INTO EXISTING MASONRY WALL.
- 30 CONCRETE STAIRS AND RAILS, SEE SD SHEETS.
- 31 EXISTING OVERHEAD DOOR AND LOWER DOCK AREA.
- 32 ELECTRICAL TRANSFORMER, SEE ELECTRICAL DRAWINGS.
- 33 NEW CONCRETE DOCK AREA, SEE SD SHEETS.
- 34 NEW FLUSH HOLLOW METAL INSULATED DOOR AND FRAME (FIELD PAINT).
- 35 WEST WALL OF GENERATOR ENCLOSURE, PROVIDE 4'-0" WIDE x 6'-0" TALL LOUVER (FIELD PAINT) CENTERED IN ROOM. TOP OF LOUVER 6'-0" OFF FINISH FLOOR. FIELD VERIFY EXACT LOCATION OF LOUVER WITH GENERATOR SUPPLIER.
- 36 EAST WALL OF GENERATOR ENCLOSURE, PROVIDE 3'-4" WIDE x 4'-0" TALL LOUVER (FIELD PAINT) CENTERED IN ROOM. TOP OF LOUVER 6'-0" OFF FINISH FLOOR. FIELD VERIFY EXACT LOCATION OF LOUVER WITH GENERATOR SUPPLIER.
- 37 MECHANICAL ENCLOSURE OPENING (4'-0") WIDE.

**ELEVATION GENERAL NOTES**

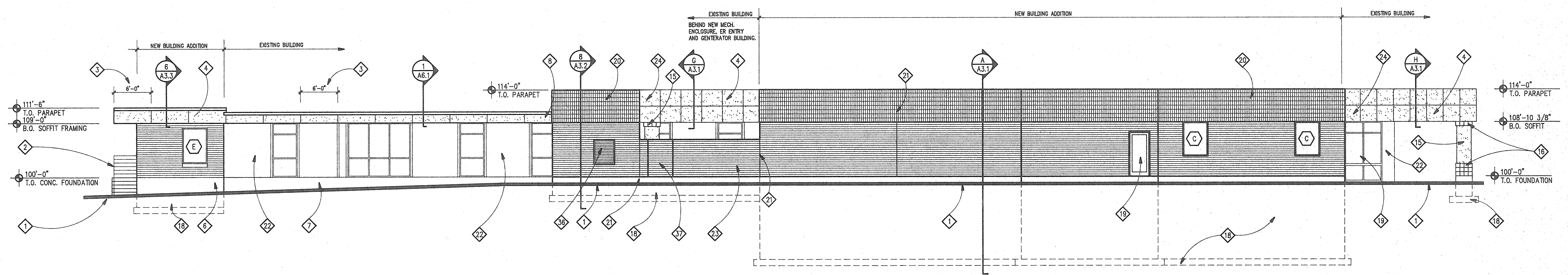
1. WEST AND NORTH GENERATOR EXTERIOR WALLS FINISHED SAME AS EAST AND SOUTH WALLS.



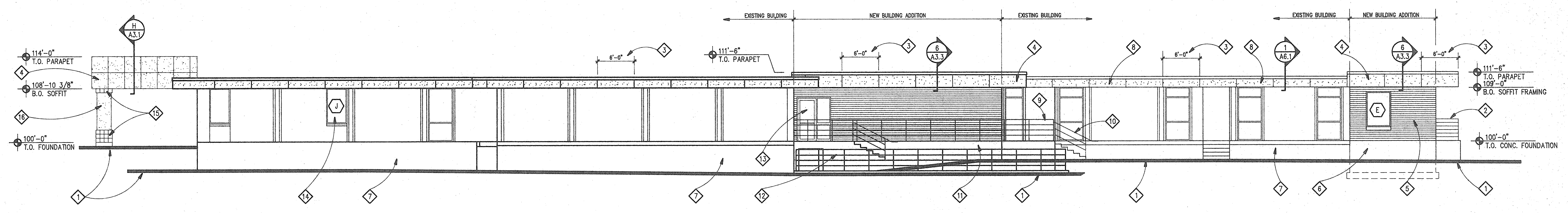
**NORTH ELEVATION**  
SCALE 1/8" = 1'-0"



**EXISTING SOUTH ELEVATION**  
SCALE 1/8" = 1'-0"



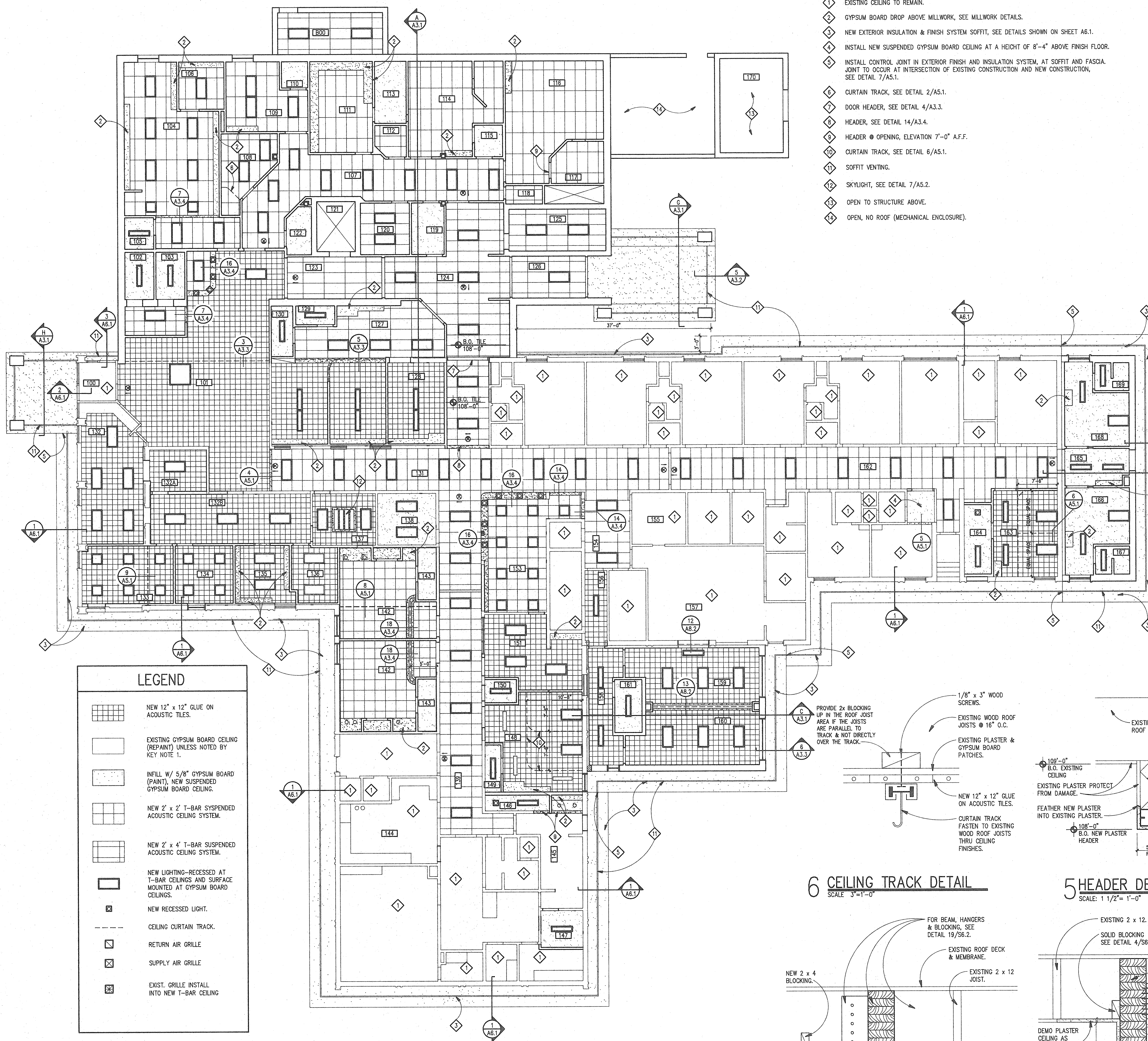
**EAST ELEVATION**  
SCALE 1/8" = 1'-0"



**WEST ELEVATION**  
SCALE 1/8" = 1'-0"

**KEY NOTES**

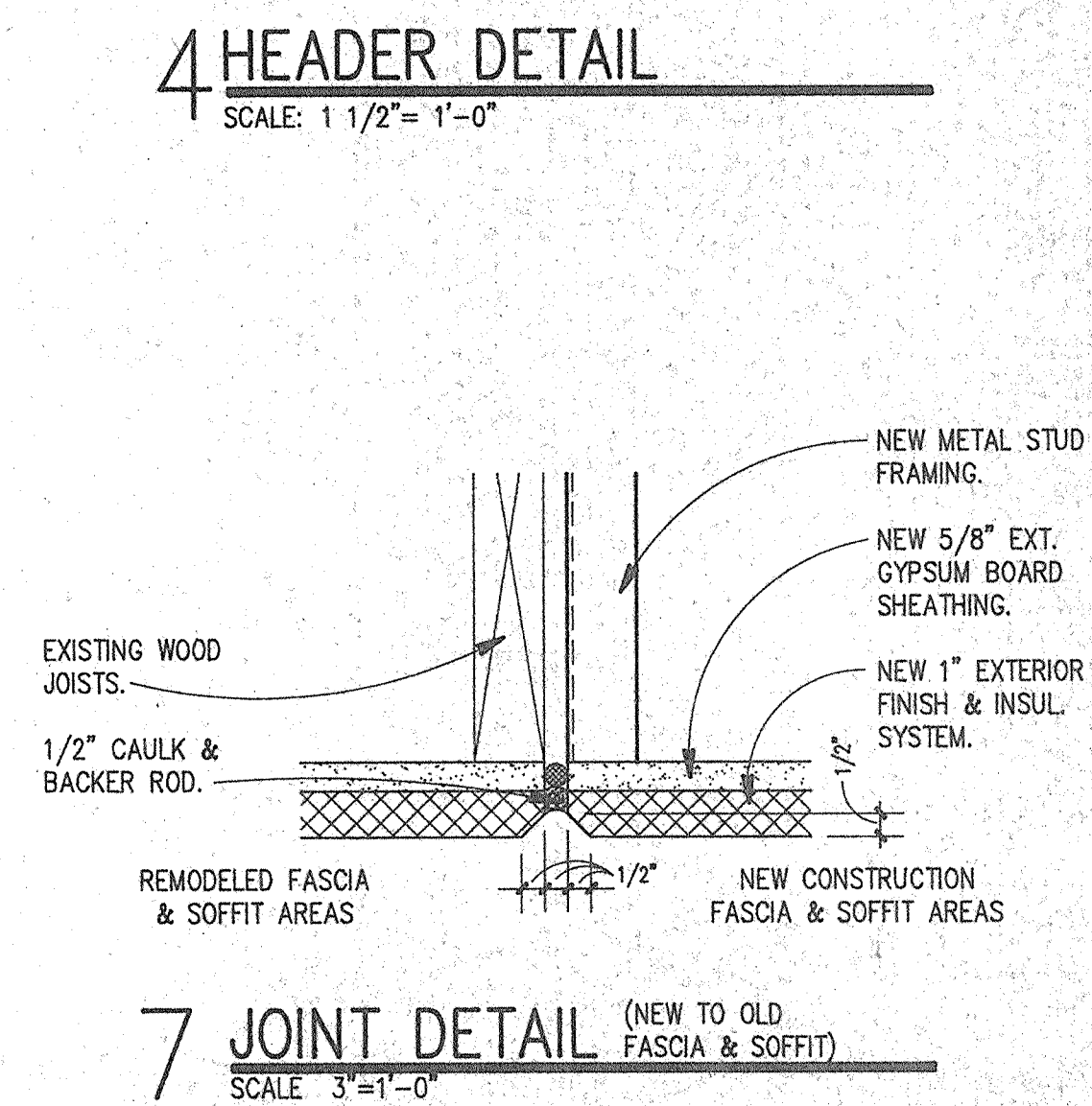
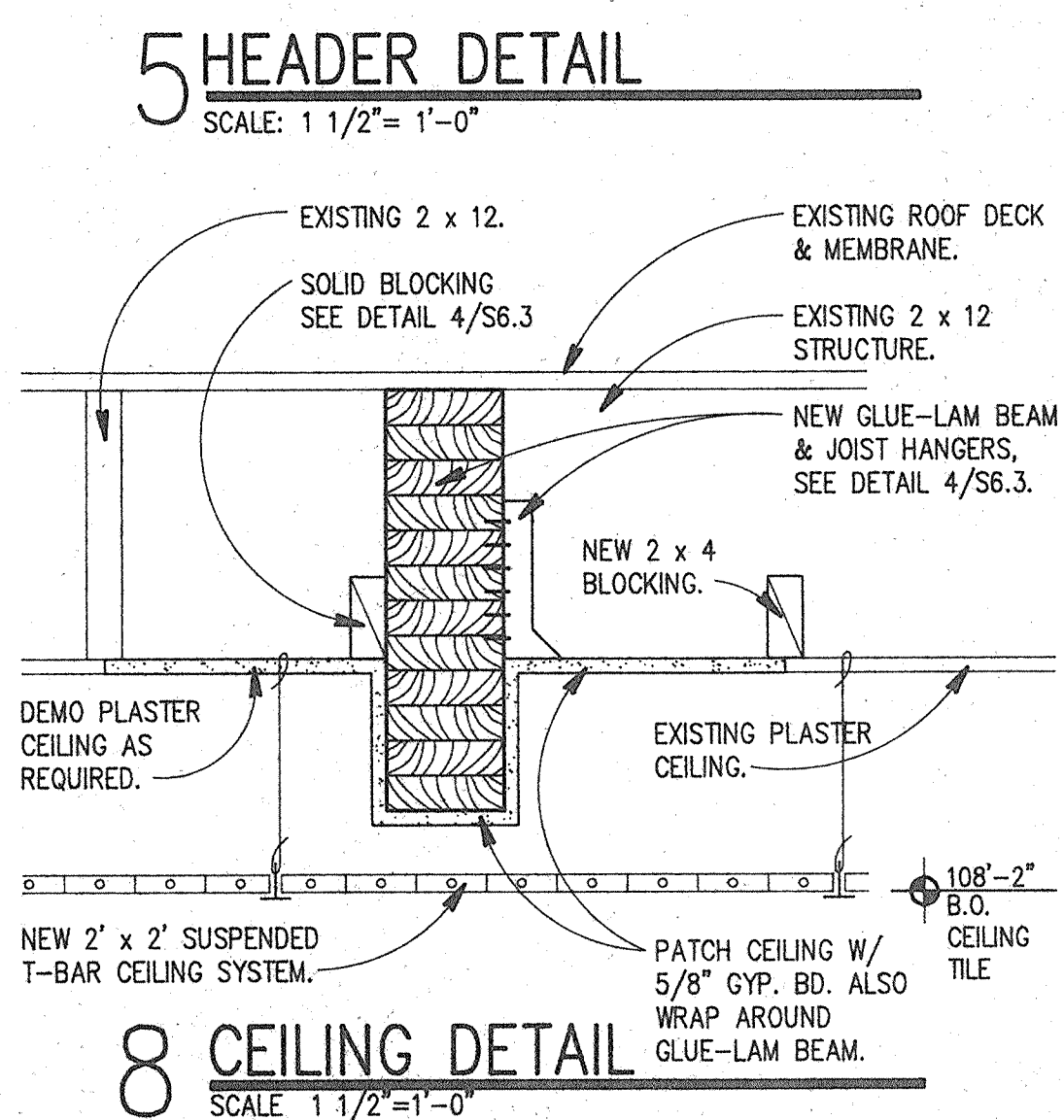
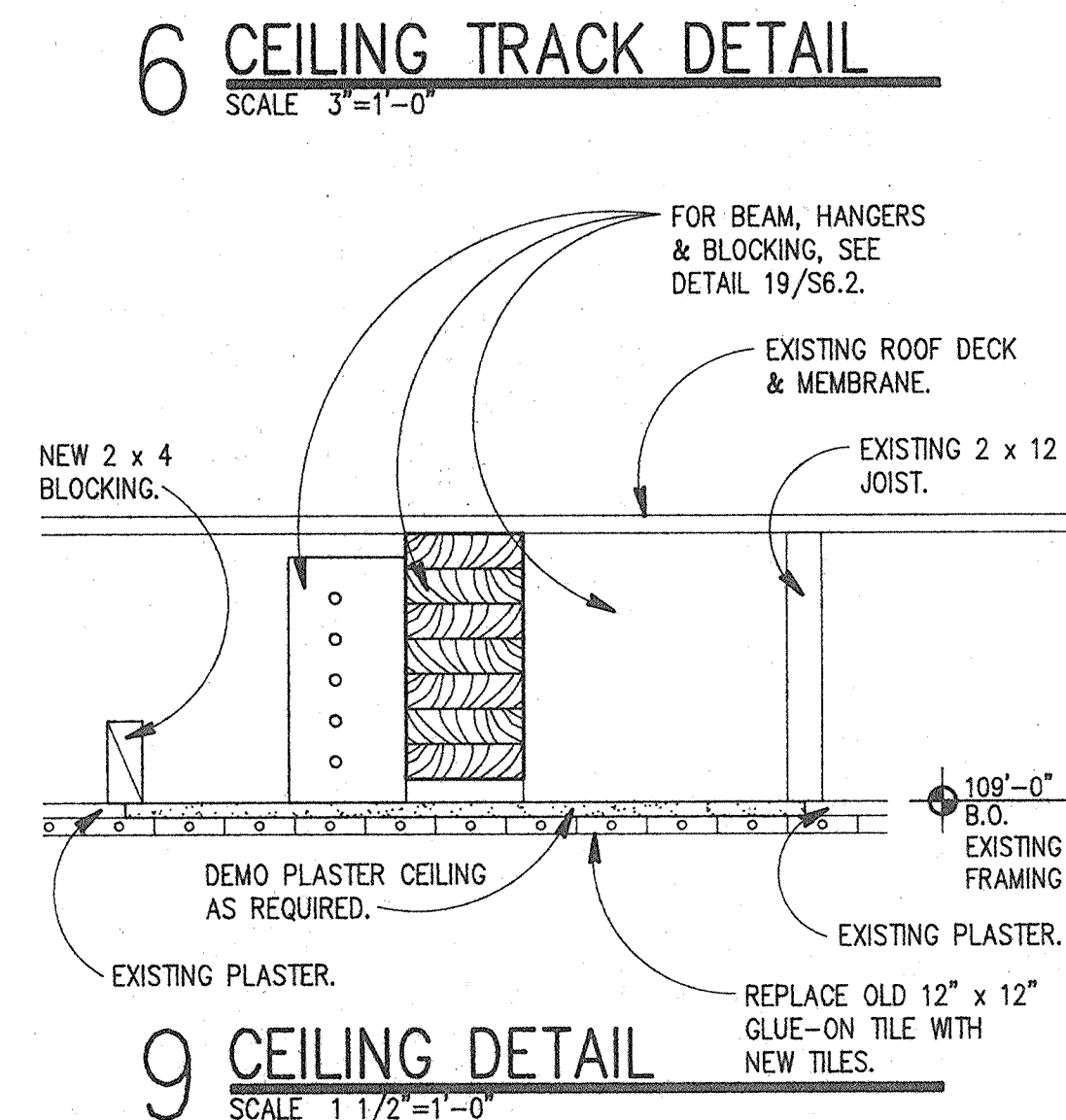
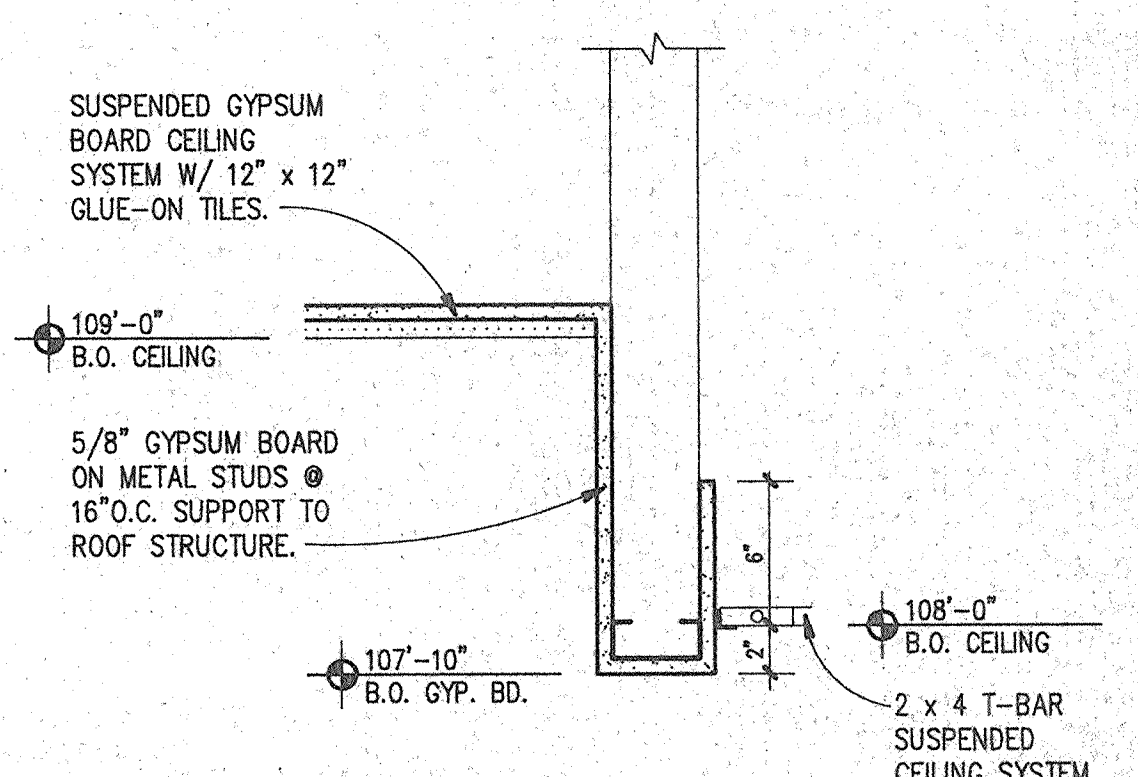
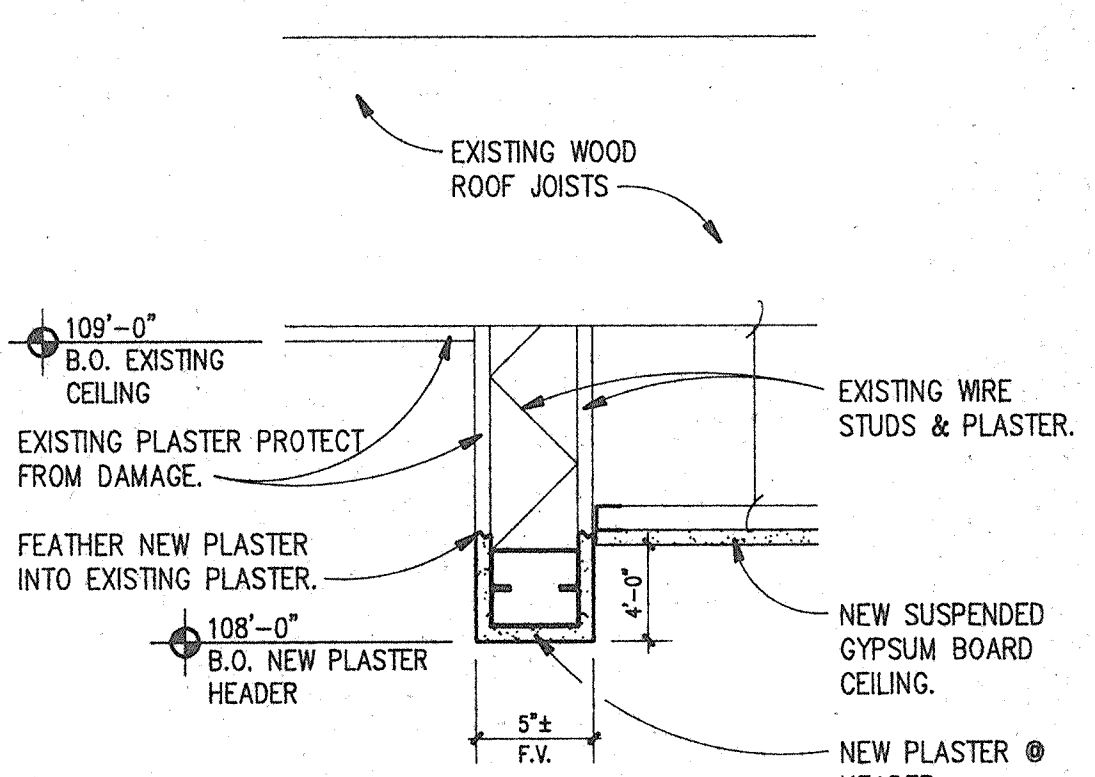
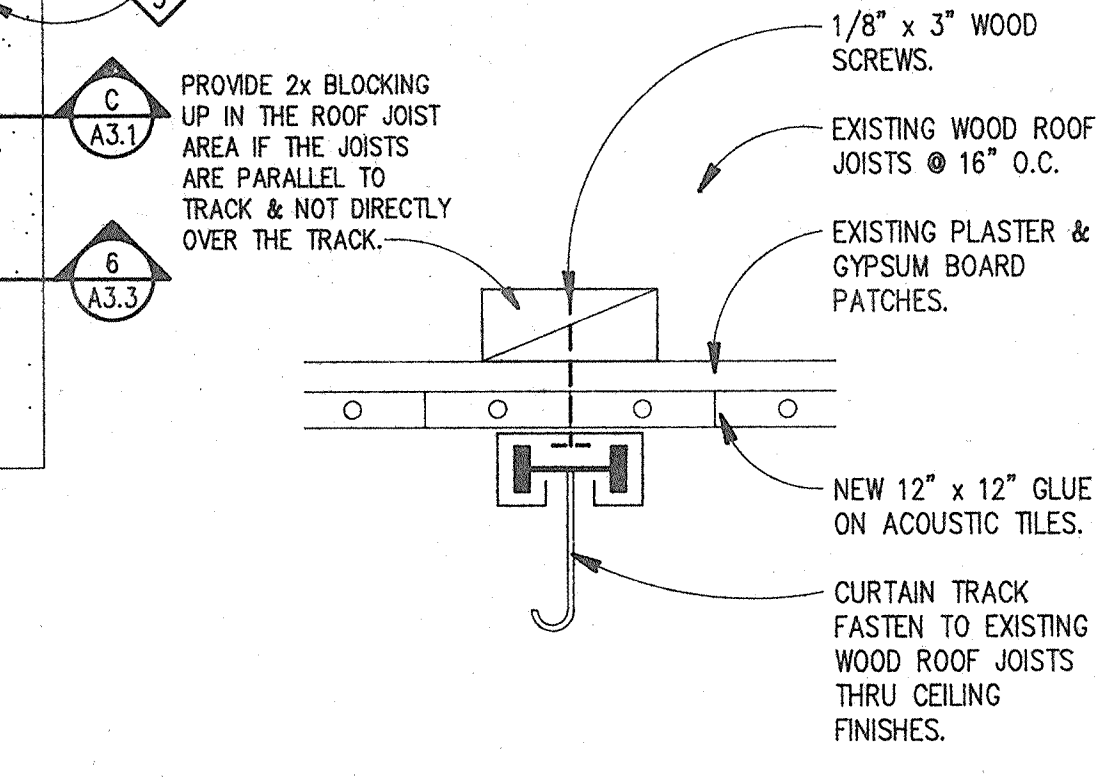
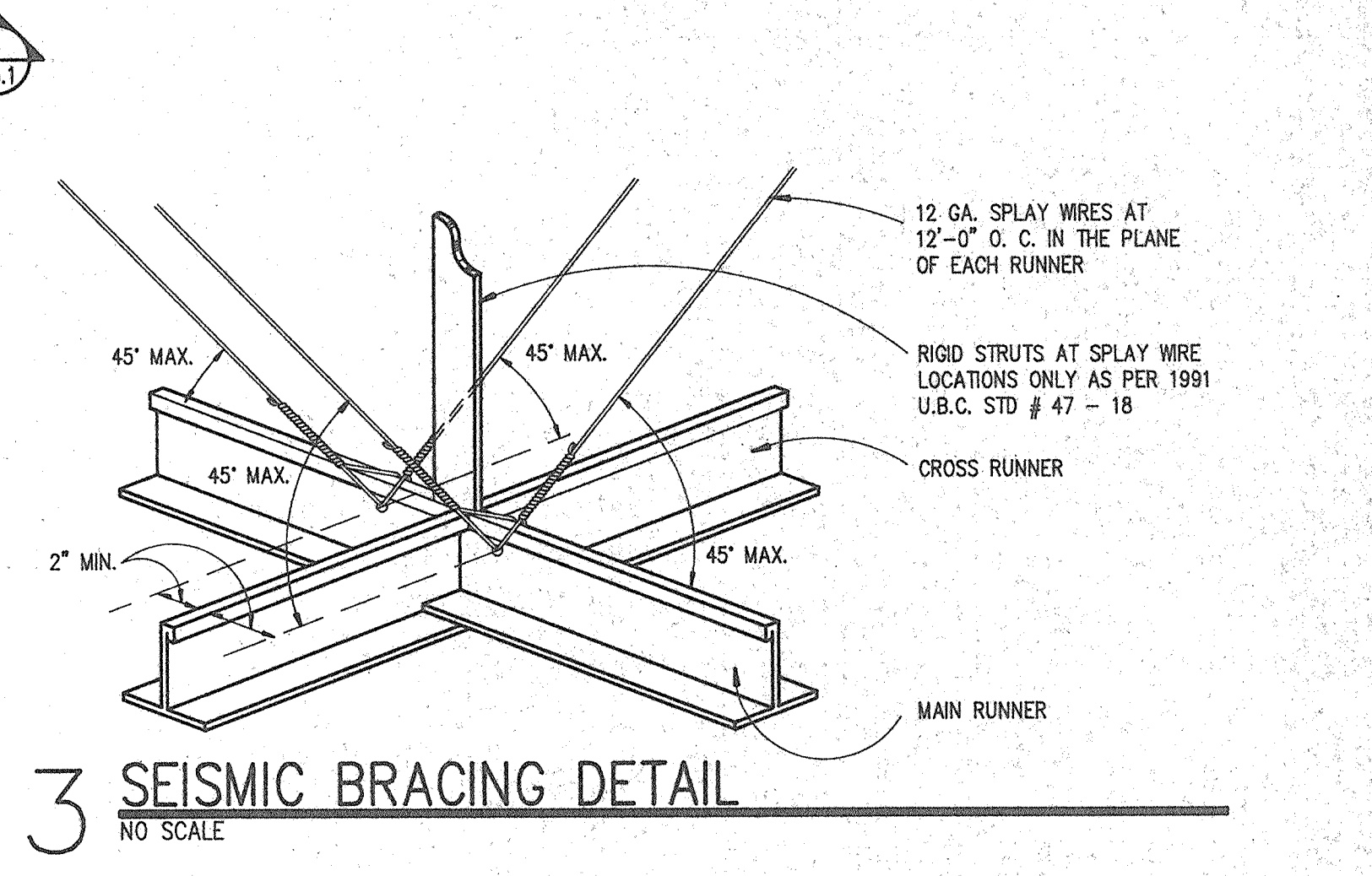
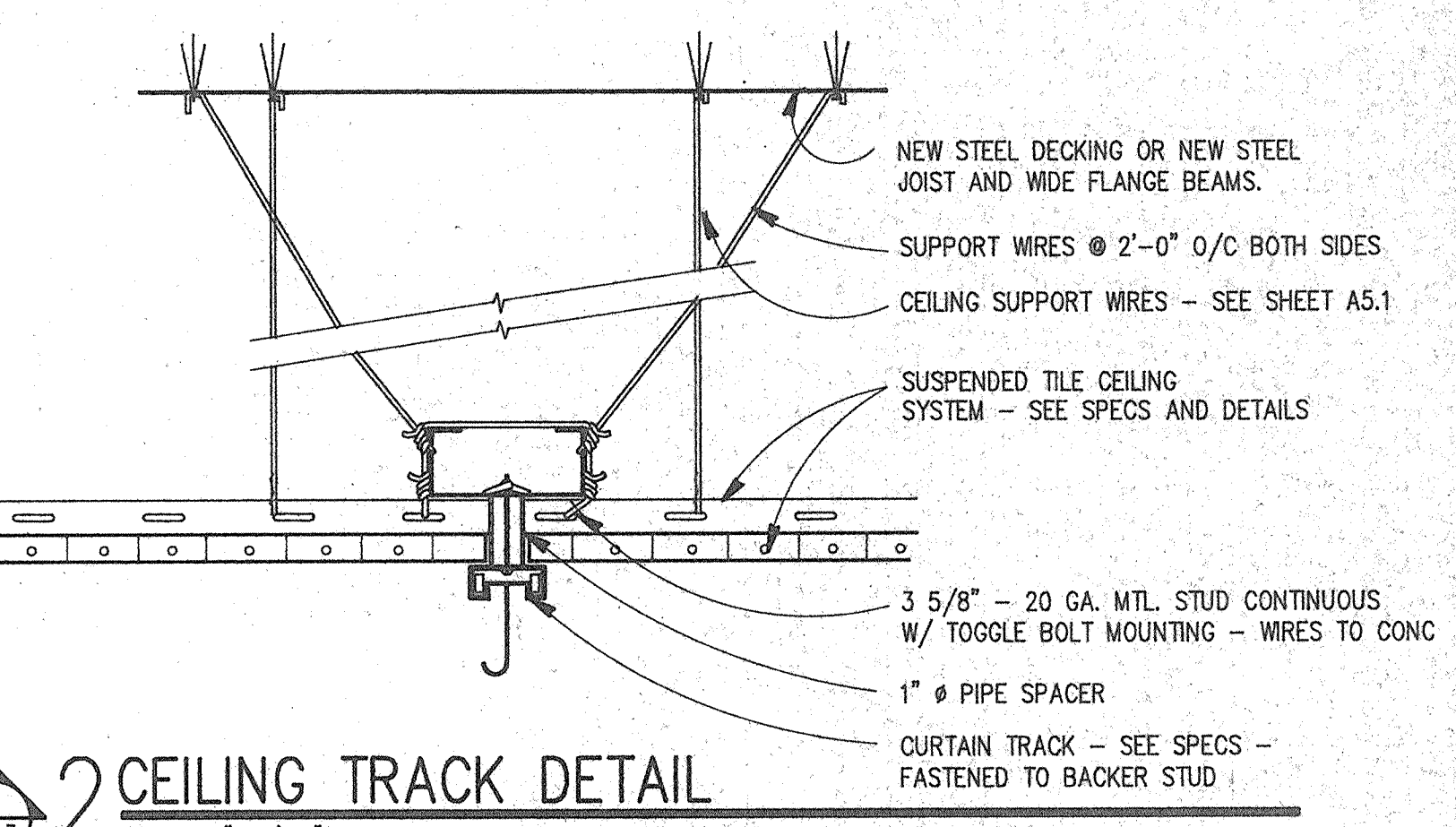
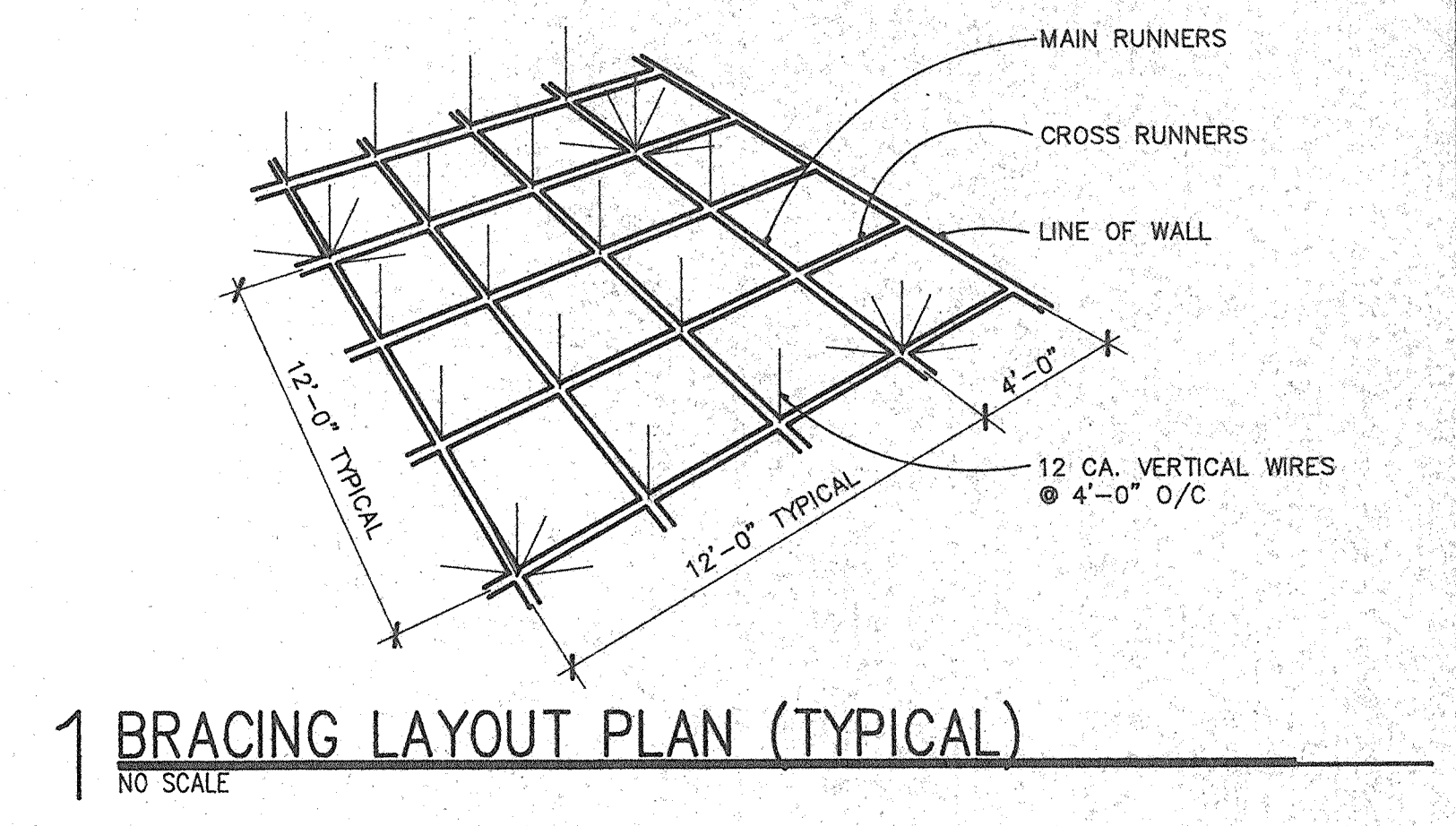
- 1 EXISTING CEILING TO REMAIN.
- 2 GYPSUM BOARD DROP ABOVE MILLWORK, SEE MILLWORK DETAILS.
- 3 NEW EXTERIOR INSULATION & FINISH SYSTEM SOFFIT, SEE DETAILS SHOWN ON SHEET A6.1.
- 4 INSTALL NEW SUSPENDED GYPSUM BOARD CEILING AT A HEIGHT OF 8'-4" ABOVE FINISH FLOOR.
- 5 INSTALL CONTROL JOINT IN EXTERIOR FINISH AND INSULATION SYSTEM, AT SOFFIT AND FASCIA. JOINT TO OCCUR AT INTERSECTION OF EXISTING CONSTRUCTION AND NEW CONSTRUCTION, SEE DETAIL 7/A5.1.
- 6 CURTAIN TRACK, SEE DETAIL 2/A5.1.
- 7 DOOR HEADER, SEE DETAIL 4/A3.3.
- 8 HEADER, SEE DETAIL 14/A3.4.
- 9 HEADER @ OPENING, ELEVATION 7'-0" A.F.F.
- 10 CURTAIN TRACK, SEE DETAIL 6/A5.1.
- 11 SOFFIT VENTING.
- 12 SKYLIGHT, SEE DETAIL 7/A5.2.
- 13 OPEN TO STRUCTURE ABOVE.
- 14 OPEN, NO ROOF (MECHANICAL ENCLOSURE).



**LEGEND**

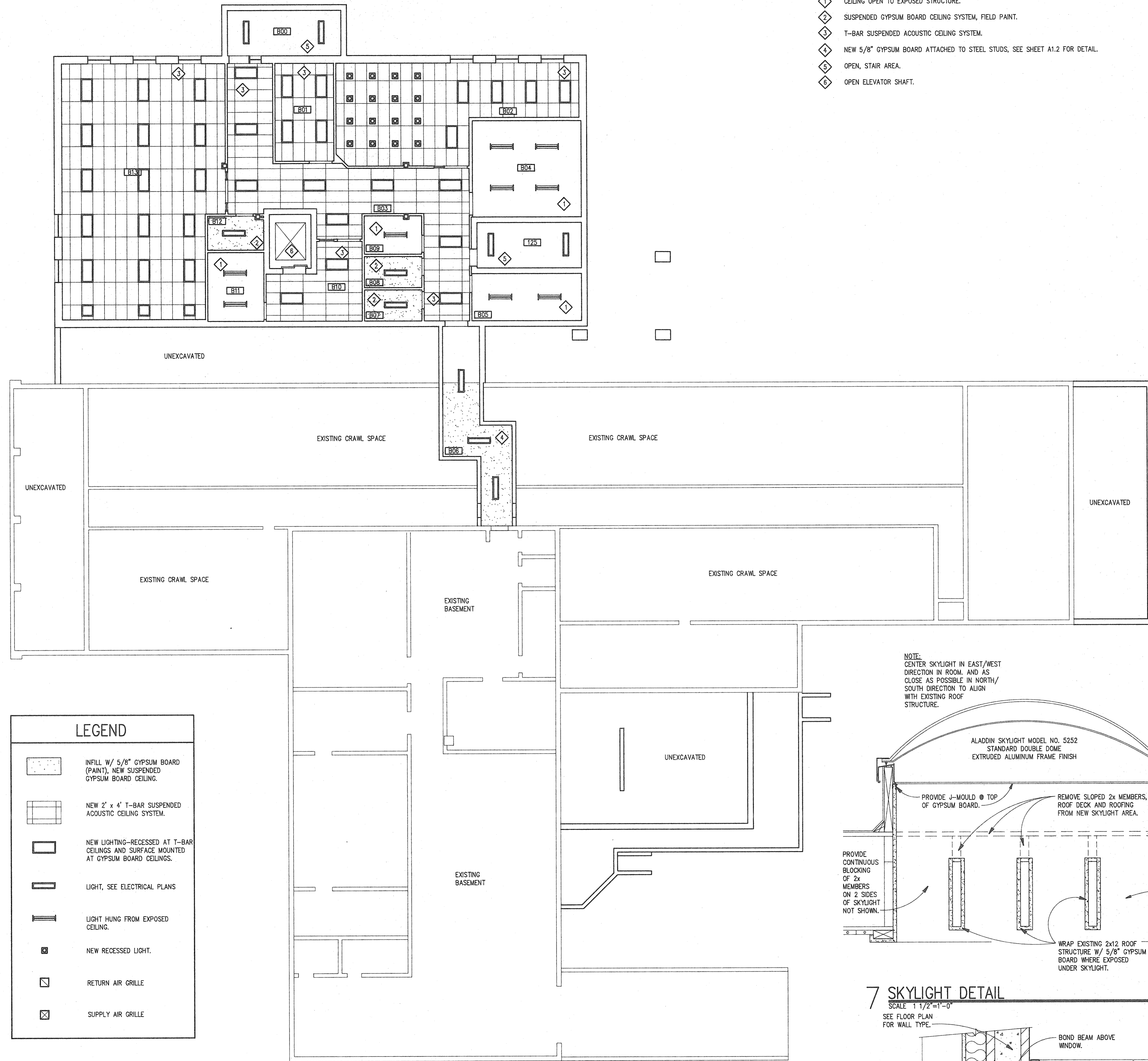
- NEW 12" x 12" GLUE ON ACOUSTIC TILES.
- EXISTING GYPSUM BOARD CEILING (REPAINT) UNLESS NOTED BY KEY NOTE 1.
- INFILL W/ 5/8" GYPSUM BOARD (PAINT), NEW SUSPENDED GYPSUM BOARD CEILING.
- NEW 2' x 2' T-BAR SUSPENDED ACOUSTIC CEILING SYSTEM.
- NEW 2' x 4' T-BAR SUSPENDED ACOUSTIC CEILING SYSTEM.
- NEW LIGHTING-RECESSED AT T-BAR CEILINGS AND SURFACE MOUNTED AT GYPSUM BOARD CEILINGS.
- NEW RECESSED LIGHT.
- CEILING CURTAIN TRACK.
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- EXIST. GRILLE INSTALL INTO NEW T-BAR CEILING

**REFLECTED CEILING PLAN**  
SCALE 1/8"=1'-0"



**KEY NOTES**

- 1. CEILING OPEN TO EXPOSED STRUCTURE.
- 2. SUSPENDED GYPSUM BOARD CEILING SYSTEM, FIELD PAINT.
- 3. T-BAR SUSPENDED ACOUSTIC CEILING SYSTEM.
- 4. NEW 5/8" GYPSUM BOARD ATTACHED TO STEEL STUDS, SEE SHEET A1.2 FOR DETAIL.
- 5. OPEN, STAIR AREA.
- 6. OPEN ELEVATOR SHAFT.

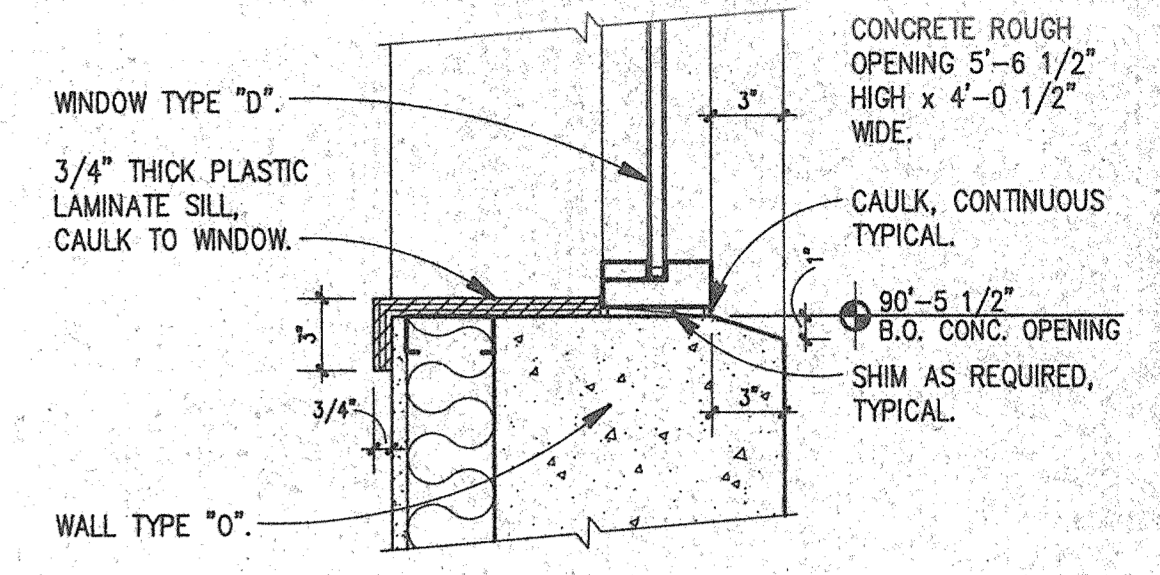


**LEGEND**

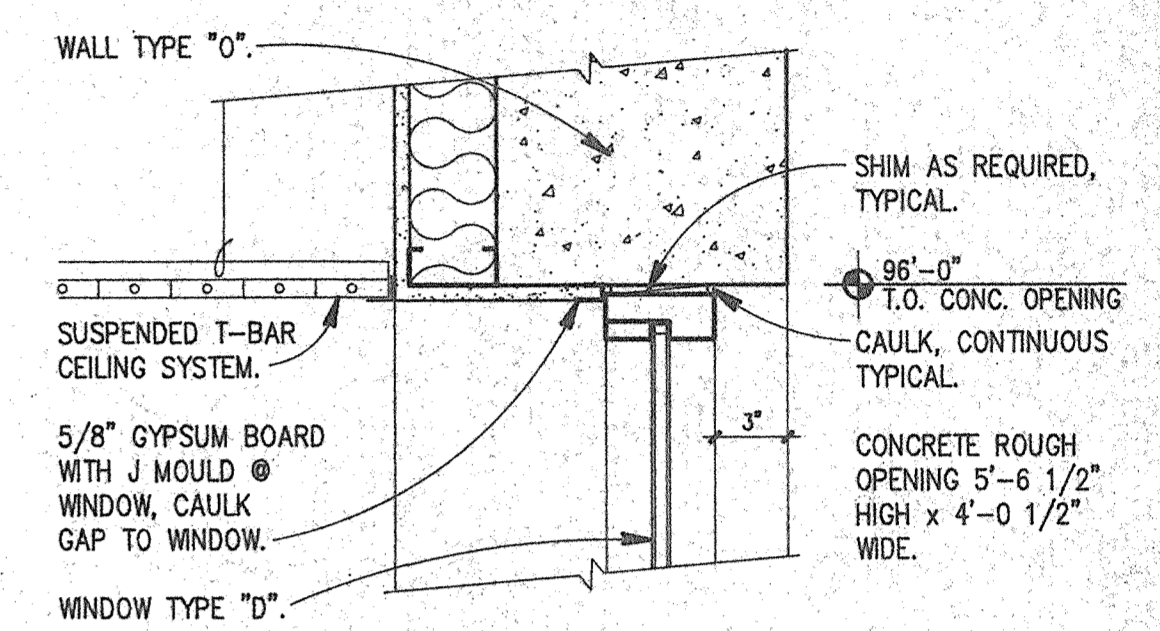
	INFILL W/ 5/8" GYPSUM BOARD (PAINT), NEW SUSPENDED GYPSUM BOARD CEILING.
	NEW 2' x 4' T-BAR SUSPENDED ACOUSTIC CEILING SYSTEM.
	NEW LIGHTING-RECESSED AT T-BAR CEILINGS AND SURFACE MOUNTED AT GYPSUM BOARD CEILINGS.
	LIGHT, SEE ELECTRICAL PLANS
	LIGHT HUNG FROM EXPOSED CEILING.
	NEW RECESSED LIGHT.
	RETURN AIR GRILLE
	SUPPLY AIR GRILLE

**LOWER FLOOR REFLECTED CEILING PLAN**  
SCALE 1/8" = 1'-0"

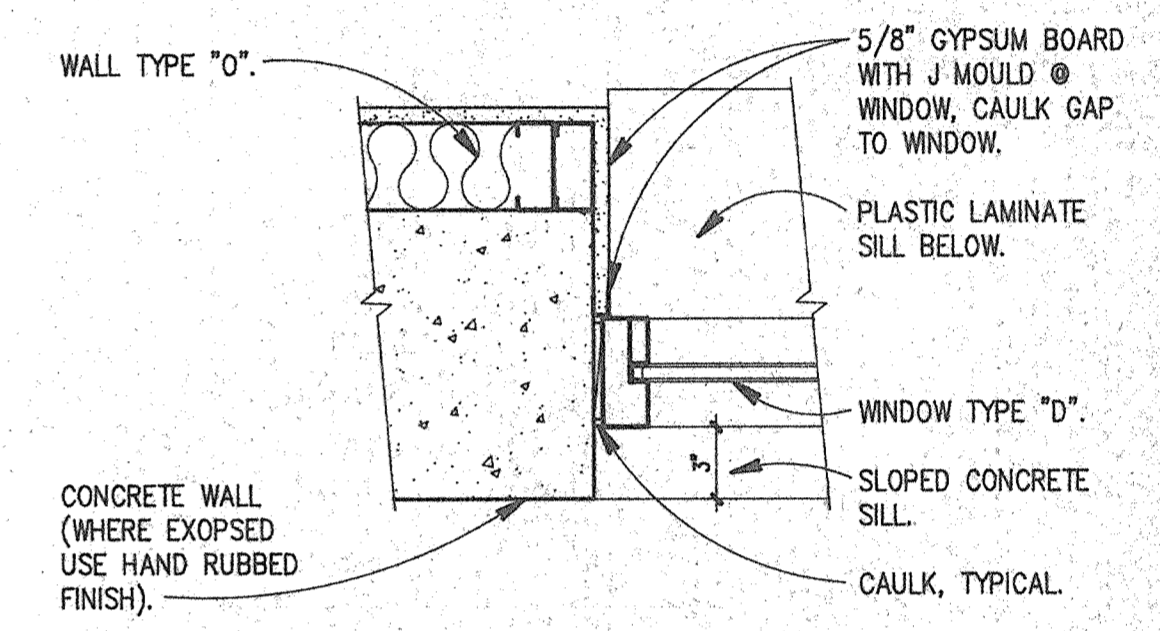
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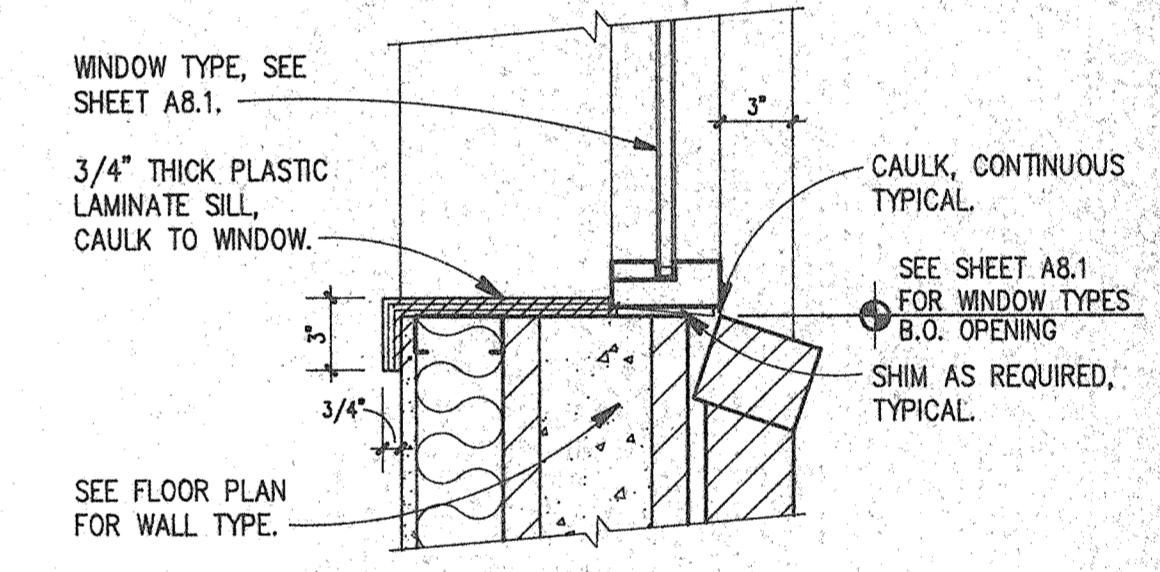
**1 SILL DETAIL**  
SCALE 1 1/2" = 1'-0"



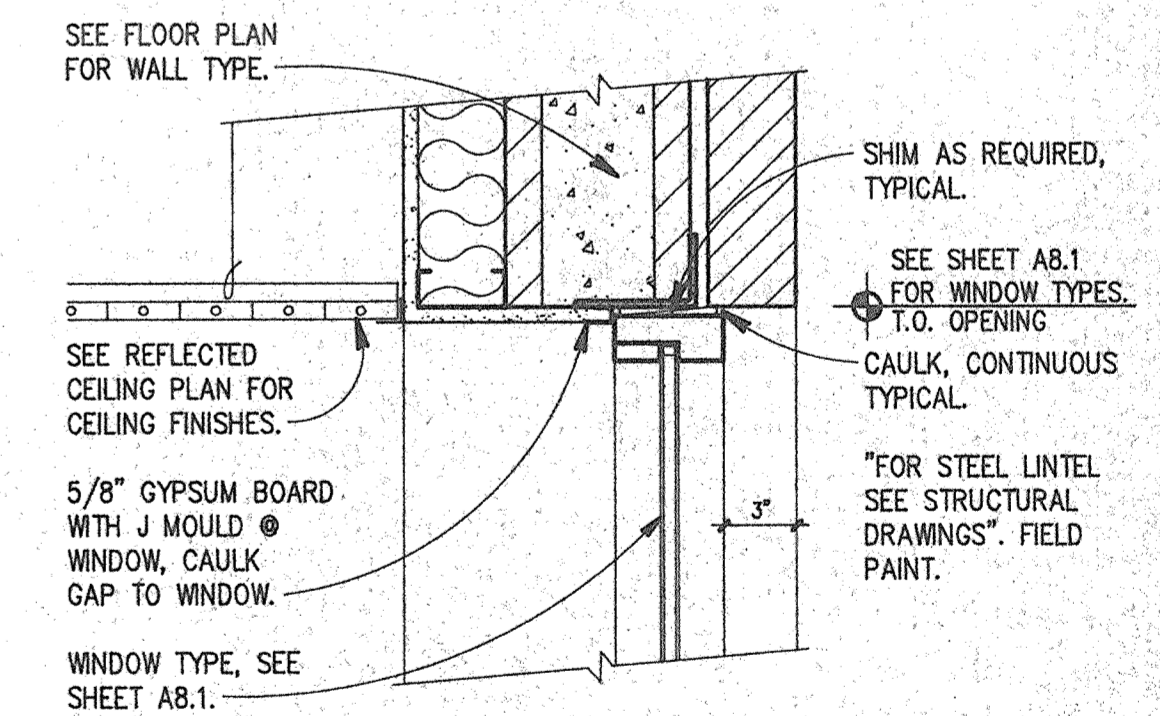
**2 HEAD DETAIL**  
SCALE 1 1/2" = 1'-0"



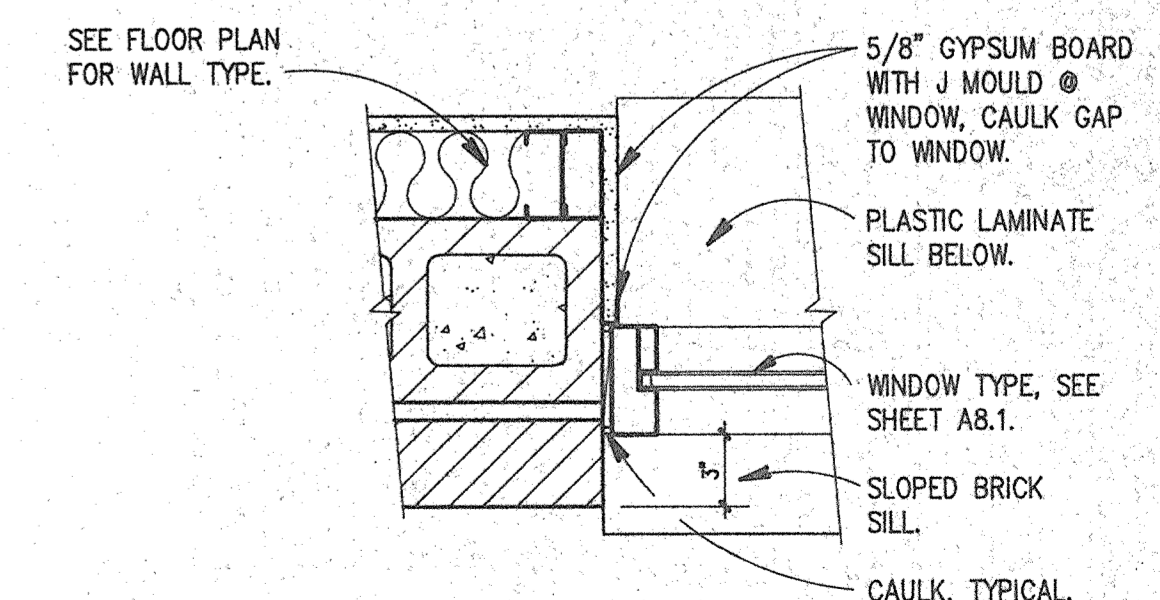
**3 JAMB DETAIL**  
SCALE 1 1/2" = 1'-0"



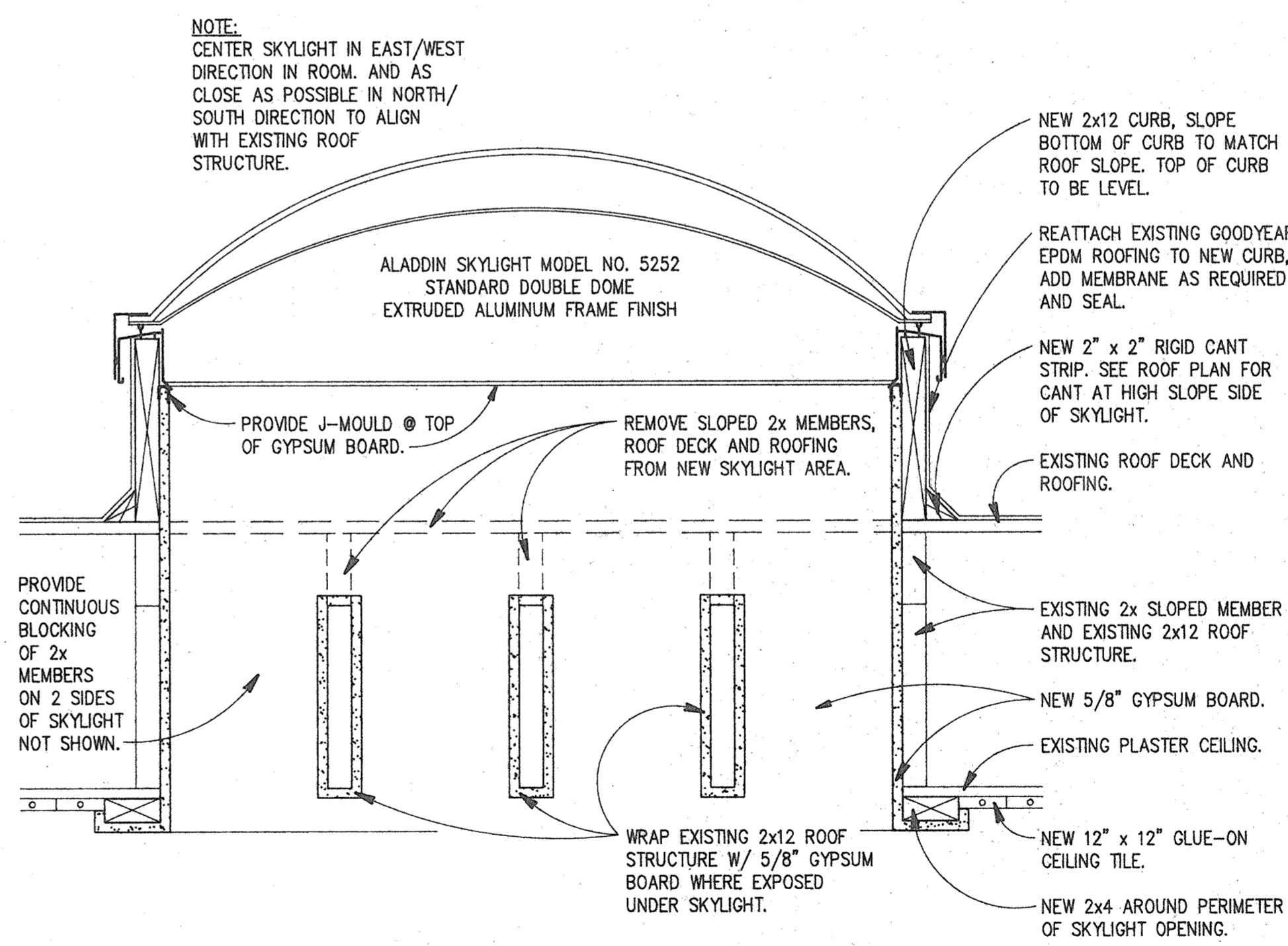
**4 SILL DETAIL**  
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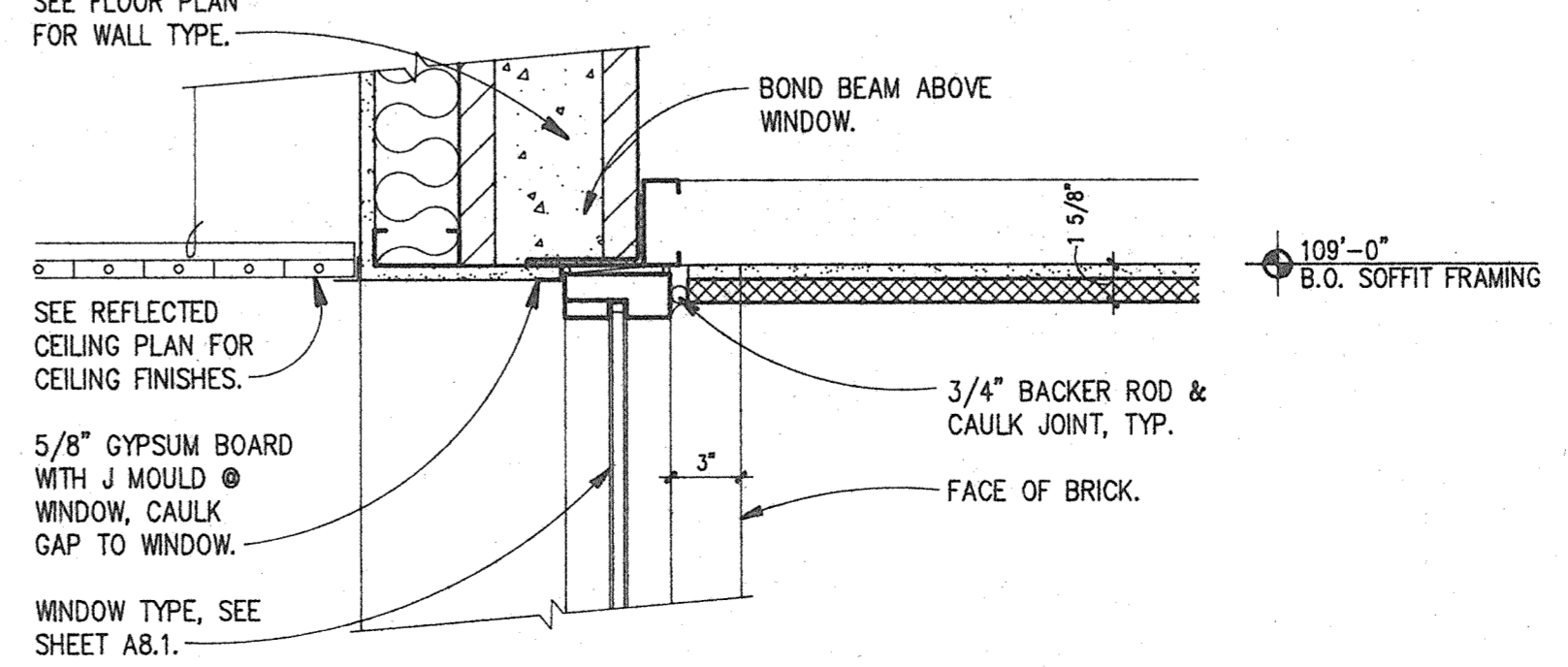
**5 HEAD DETAIL**  
SCALE 1 1/2" = 1'-0"



**6 JAMB DETAIL**  
SCALE 1 1/2" = 1'-0"



**7 SKYLIGHT DETAIL**  
SCALE 1 1/2" = 1'-0"



**8 HEAD DETAIL**  
SCALE 1 1/2" = 1'-0"

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DATE: FEB. 24, 1993  
JOB #

9110  
BY: TLG

REVISIONS

UTAH

**GUNNISON VALLEY HOSPITAL**  
ADDITION & REMODEL

GUNNISON

**JHCH Architects • P.C.**  
ARCHITECTS  
UNIVERSITY OF UTAH RESEARCH PARK  
SALT LAKE CITY, UTAH 84143 801-583-5533

**A 5.2**

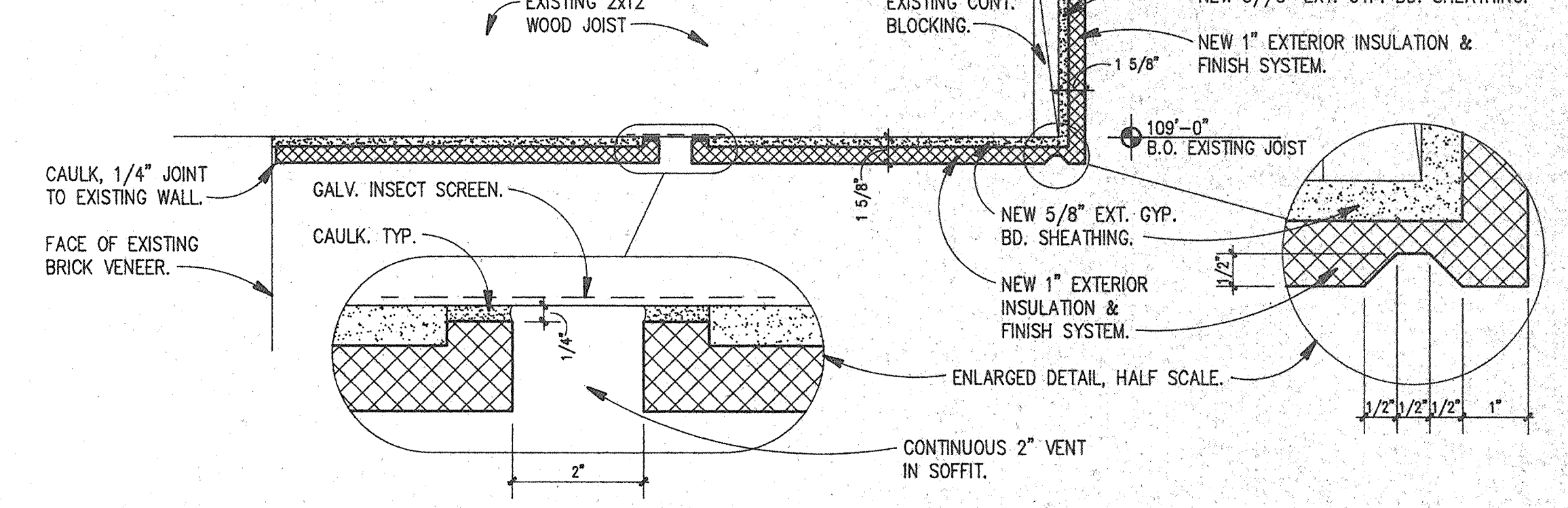
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SHEET 1/2-11

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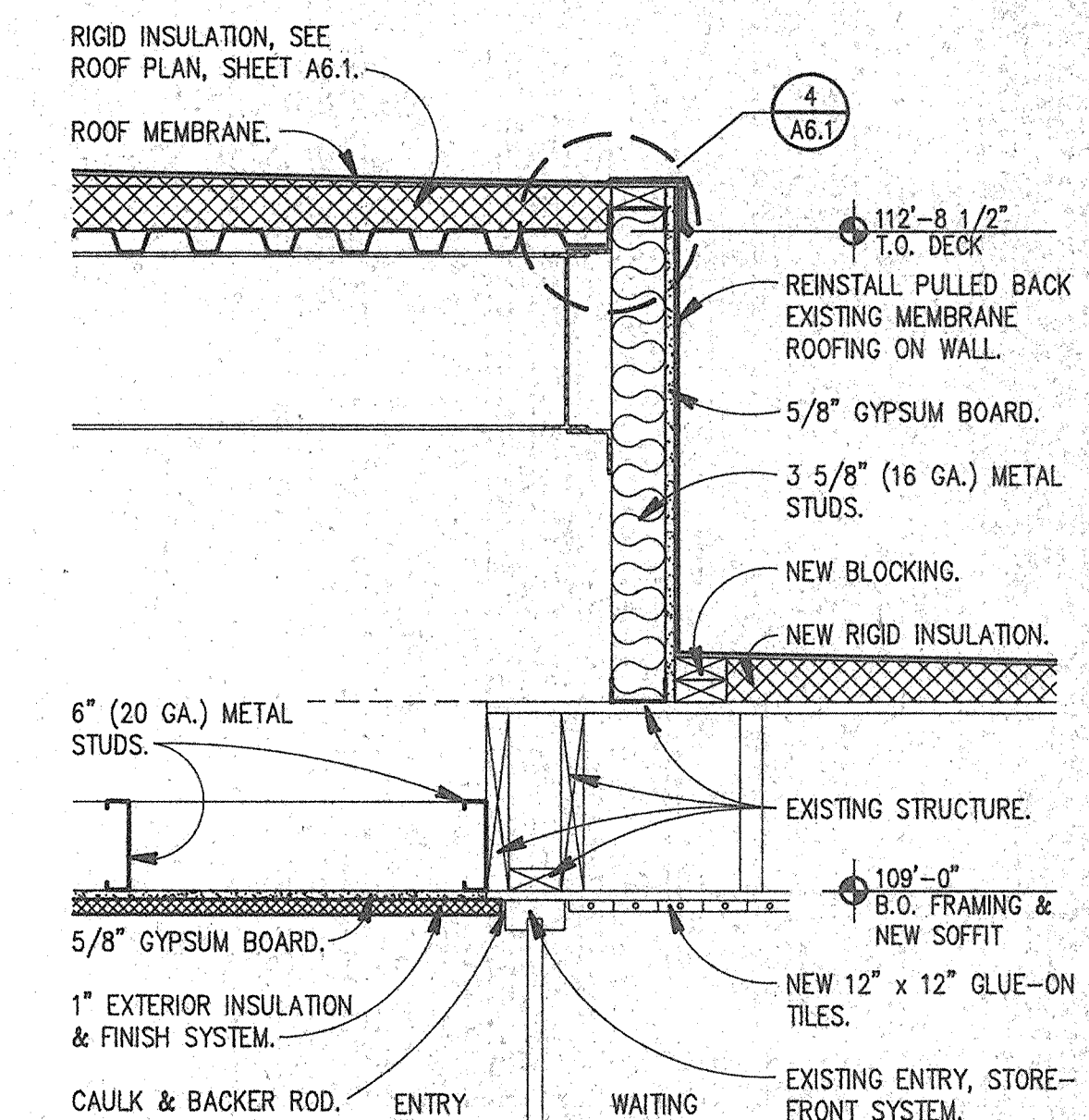
### ROOF PLAN KEY NOTES

- 1 EXISTING ROOF DRAIN TO REMAIN, PROTECT FROM DAMAGE.
- 2 NEW ROOF DRAIN AND OVERFLOW DRAIN TO REPLACE EXISTING ROOF DRAIN. SEE PLUMBING DRAWINGS FOR PIPE ROUTING.
- 3 NEW ROOF DRAIN ON THIS ADDITION IS LEVEL TOP OF METAL DECK AT THIS ADDITION IS ELEVATION 110'-7 1/2".
- 4 METAL DECK ON THIS ADDITION IS LEVEL TOP OF METAL DECK AT THIS ADDITION IS ELEVATION 112'-8 1/2".
- 5 NEW ROOF DRAIN & OVERFLOW DRAIN. SEE PLUMBING DRAWINGS FOR PIPE ROUTING.
- 6 EXISTING ROOF PROTECT FROM DAMAGE.
- 7 SEE REFLECTED CEILING PLAN ON SHEET A5.1 FOR LOCATION OF SKYLIGHT.
- 8 TOP OF MASONRY WALL AT MECHANICAL ENCLOSURE (106'-10").

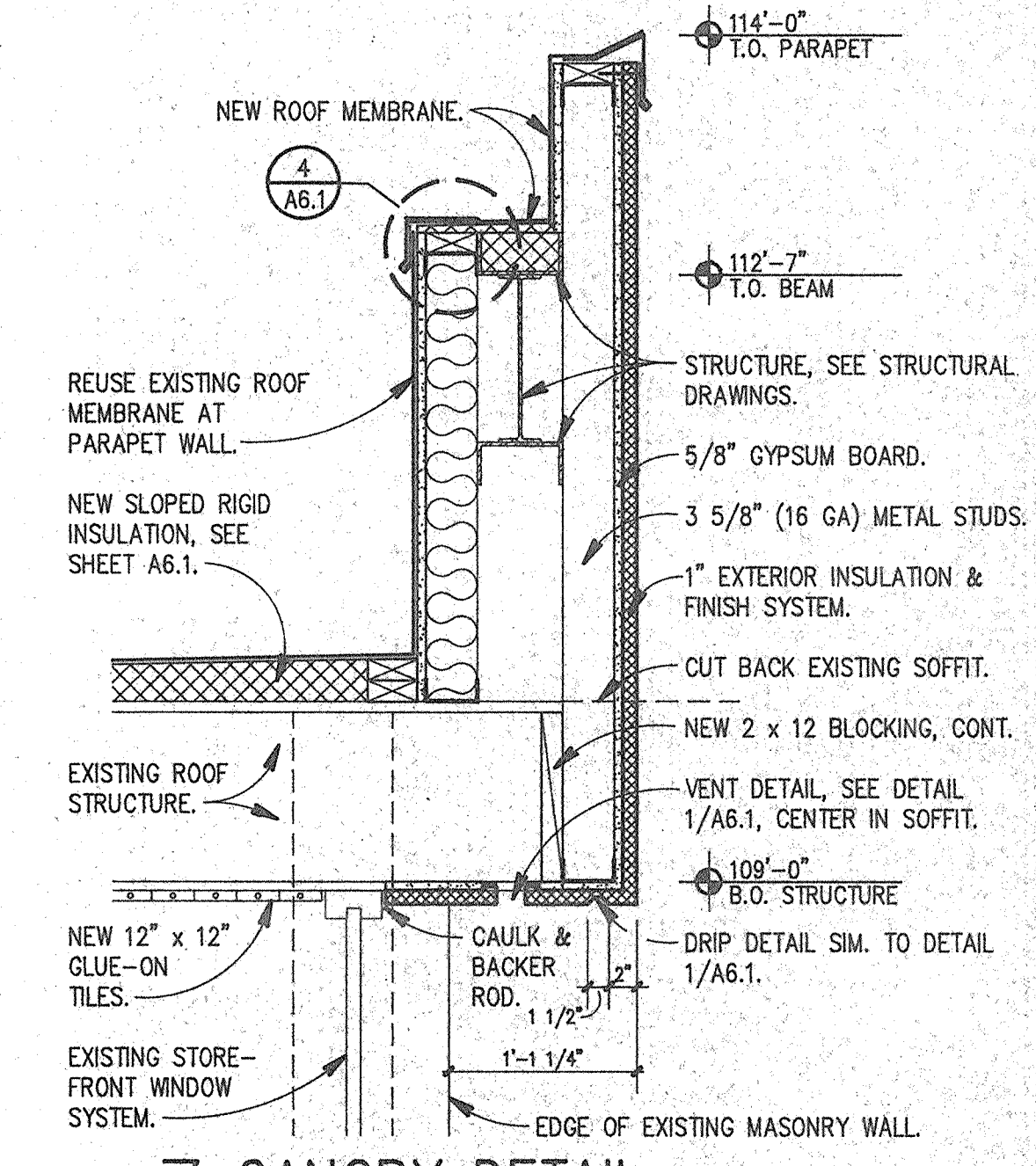
NOTE:  
REMOVE EXISTING 1" STUCCO ON METAL LATH FROM SOFFIT. REMOVE JOHNS-MANSVILLE COLORLITH FASCIA PANEL & DISPOSE OF PROPERLY.



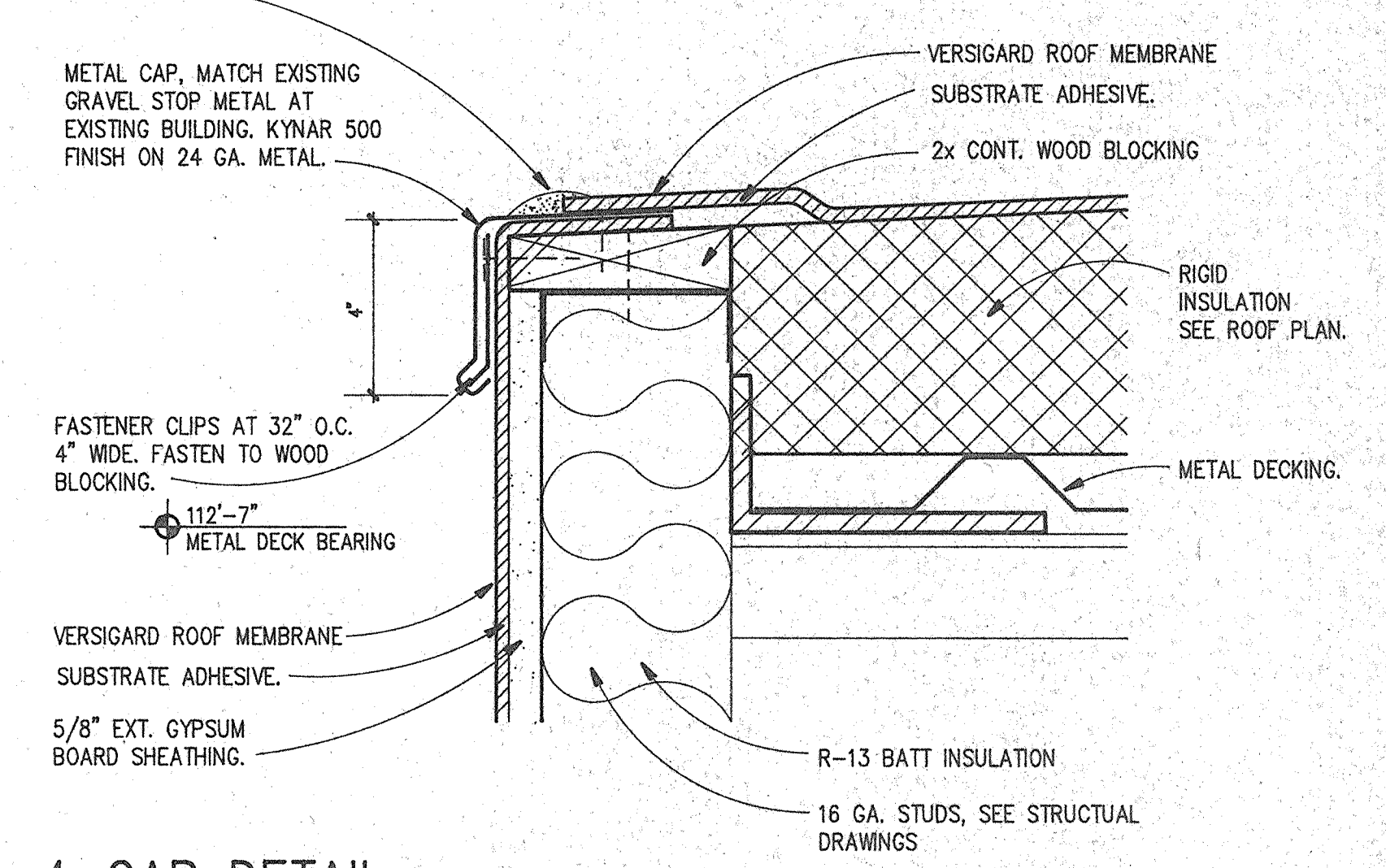
1 EXISTING ROOF OVERHANG REMODEL  
SCALE 1 1/2"=1'-0"



2 CANOPY DETAIL  
SCALE 1"=1'-0"



3 CANOPY DETAIL  
SCALE 1"=1'-0"



4 CAP DETAIL  
NO SCALE

5 PARAPET CAP DETAIL  
NO SCALE

ROOF LEGEND	
	NEW ROOF DRAIN (R.D.)
	NEW ROOF DRAIN OVERFLOW (R.D.O.)
	EXISTING ROOF DRAIN (E.R.D.)
T.O.R.I.	= TOP OF ROOF INSULATION
T.O.R.D.	= TOP OF ROOF DRAIN
T.O.R.O.F.D.	= TOP OF ROOF OVERFLOW DRAIN
	EXISTING ROOF
	NEW ROOF SLOPED INSULATION
	NEW SLOPED INSULATION ON EXISTING ROOF

### ROOF PLAN GENERAL NOTES

1. ON EXISTING ROOF, ELEVATIONS GIVEN FOR THICKNESS OF NEW SLOPED RIGID ROOF INSULATION. AT THESE AREAS PULL BACK EXISTING ROOF MEMBRANE AND INSTALL NEW RIGID INSULATION AS SHOWN. INSTALL EXISTING ROOF MEMBRANE BACK OVER NEW SLOPED INSULATION. ADD NEW MEMBRANE TO EXISTING AS REQUIRED FOR DETAILS SHOWN. (NOTE: NEW ROOF MEMBRANE IS SAME MEMBRANE AS INSTALLED ON EXISTING ROOF.)
2. ON NEW ADDITION AREAS FIRST 3" OF RIGID ROOF INSULATION IS FLAT (NON-SLOPED).
3. ON 2 NEW CANOPIES FIRST 1 1/2" OF RIGID ROOF INSULATION IS FLAT (NON-SLOPED).
4. ON GENERATOR ENCLOSURE ROOF FIRST 1 1/2" OF RIGID INSULATION IS FLAT (NON-SLOPED).

ROOF PLAN  
SCALE 1/8"=1'-0"

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DATE: APR. 5, 1993  
JOB # 9110  
BY: TLG  
REVISIONS

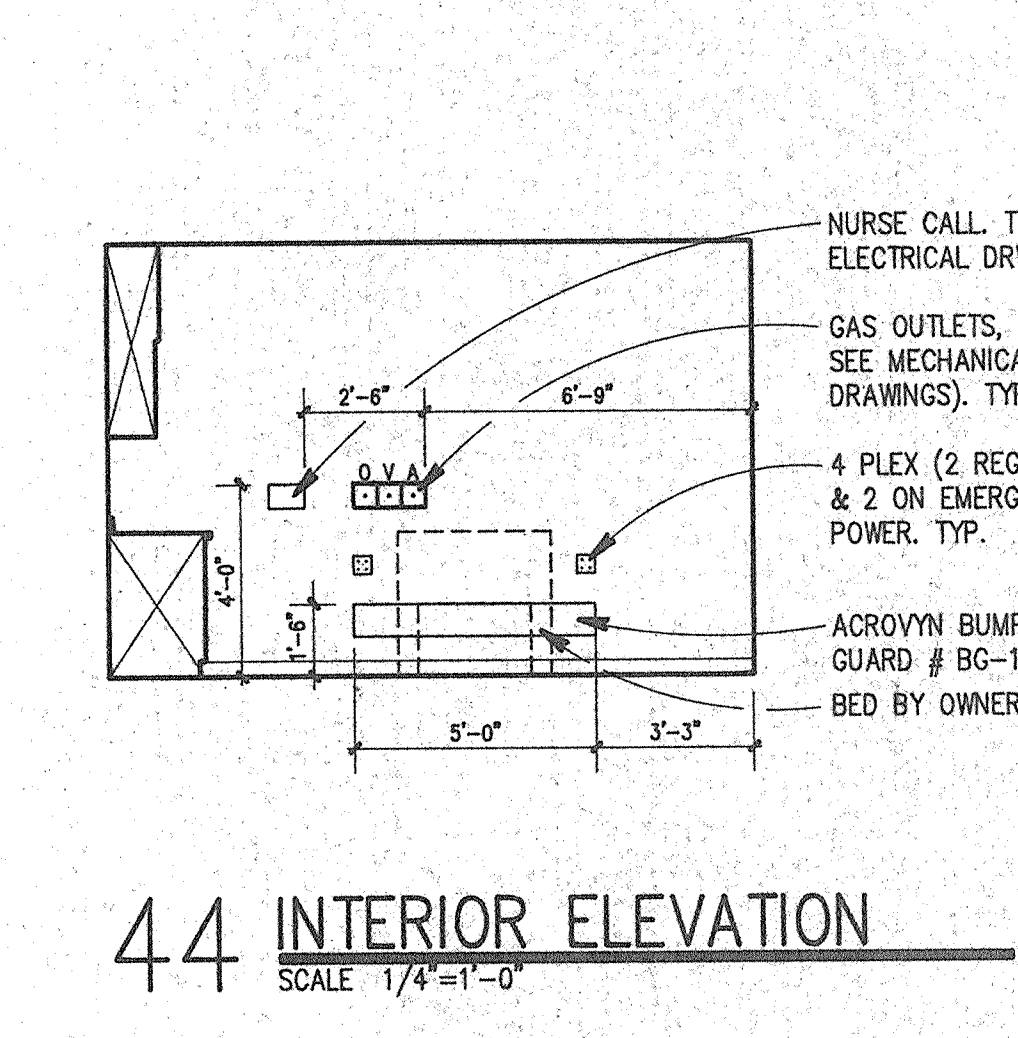
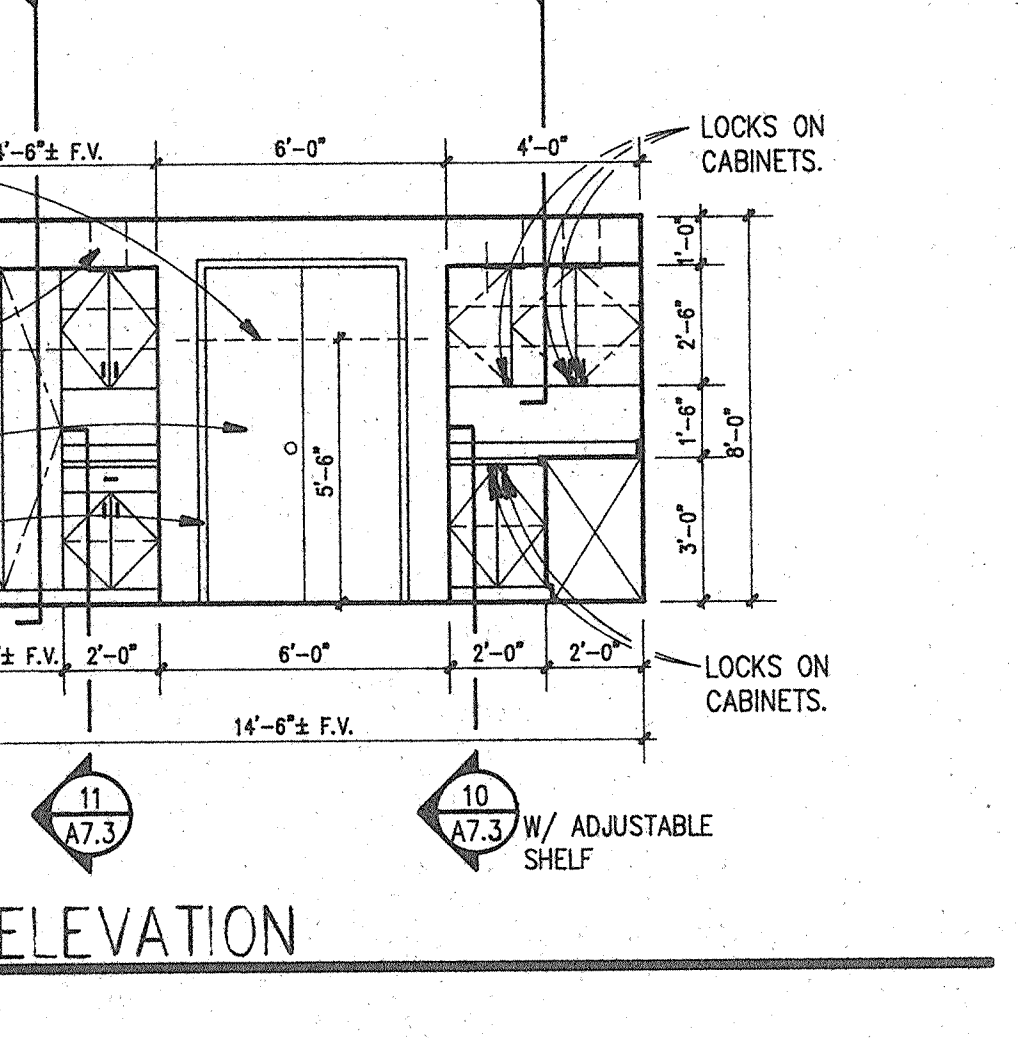
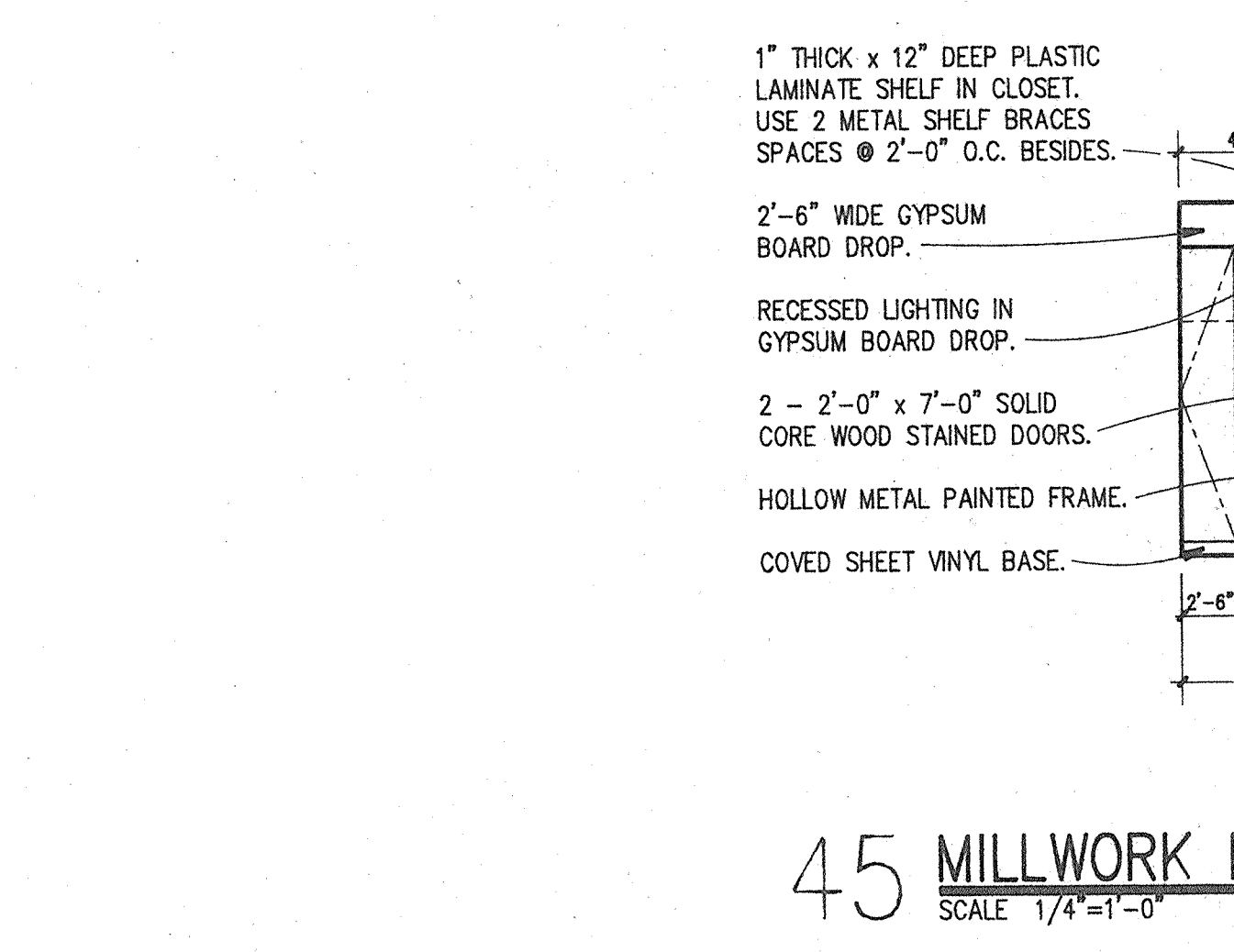
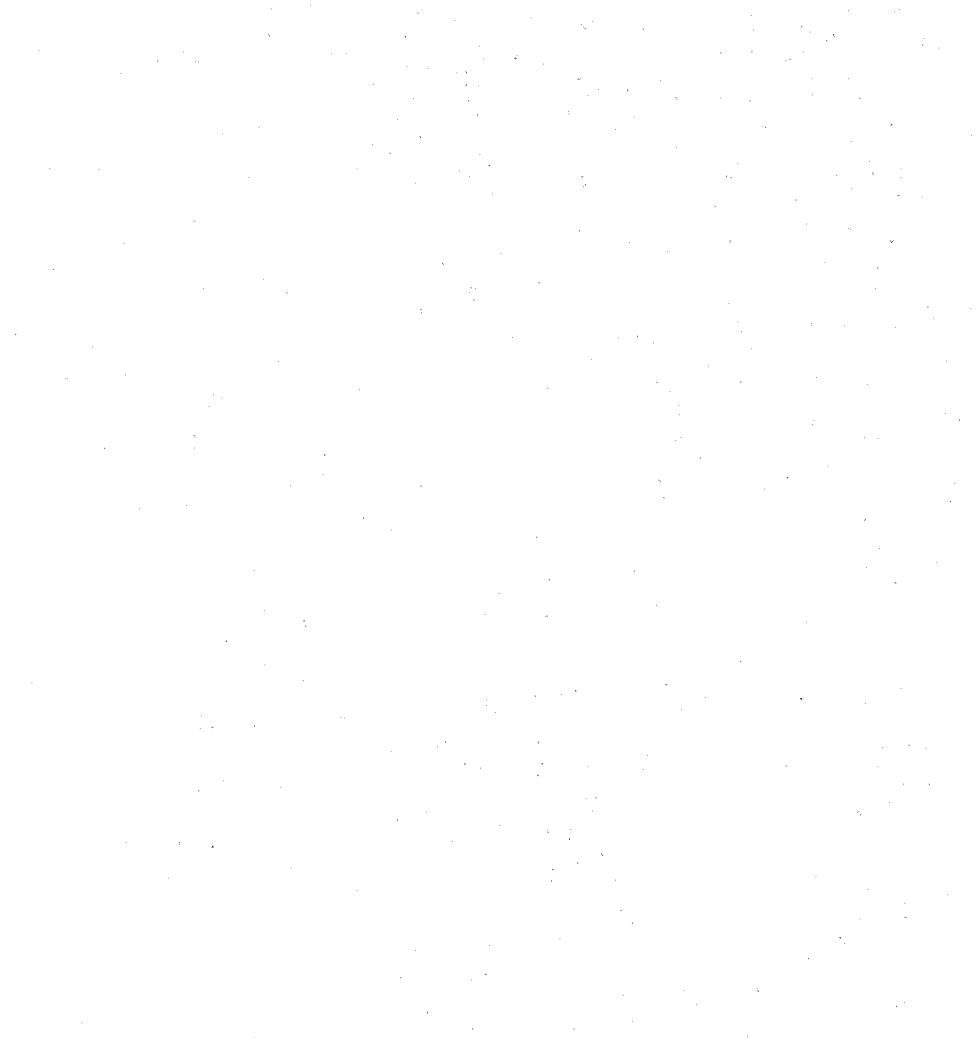
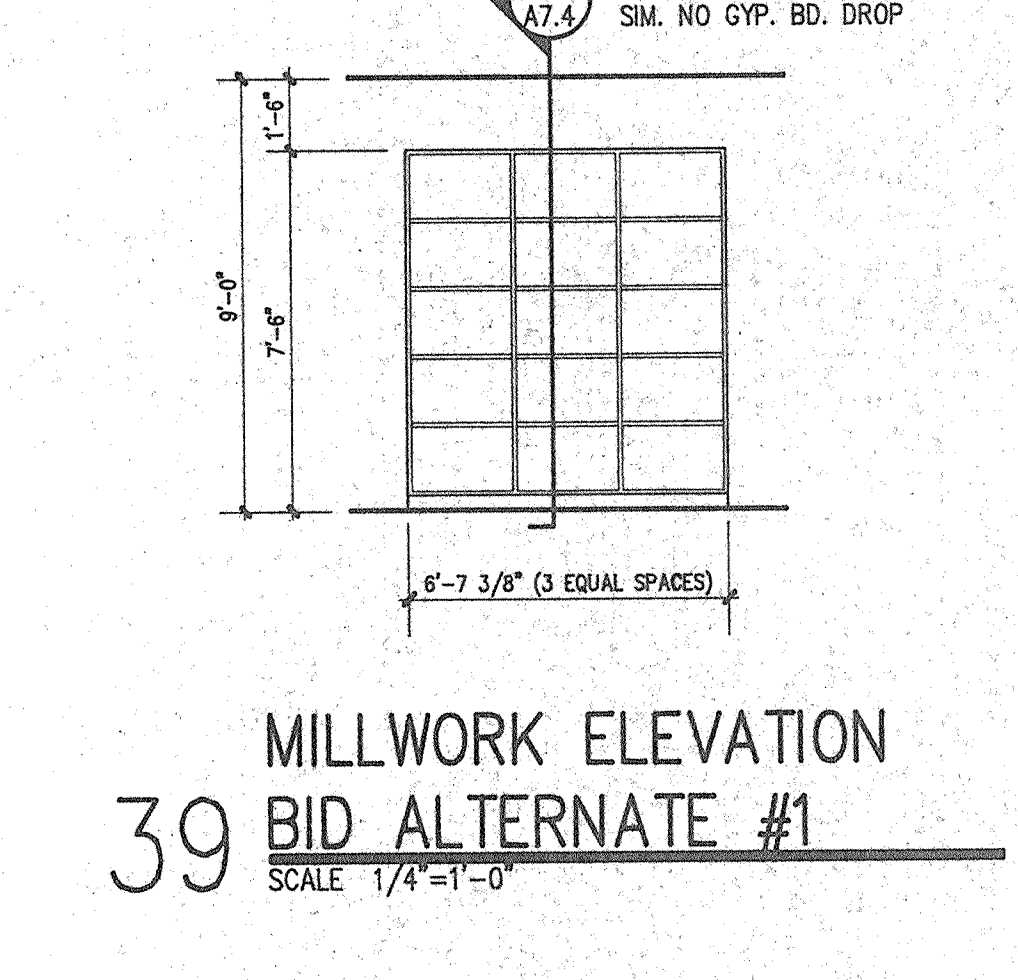
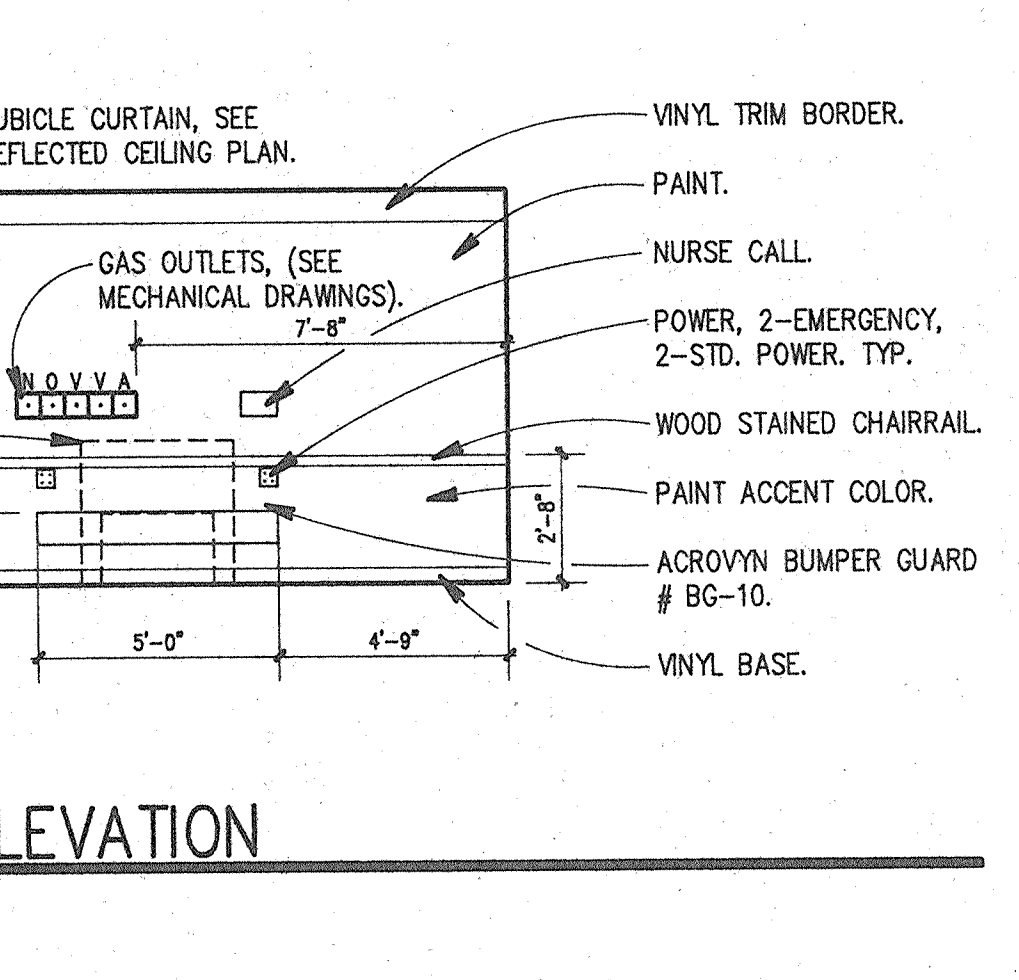
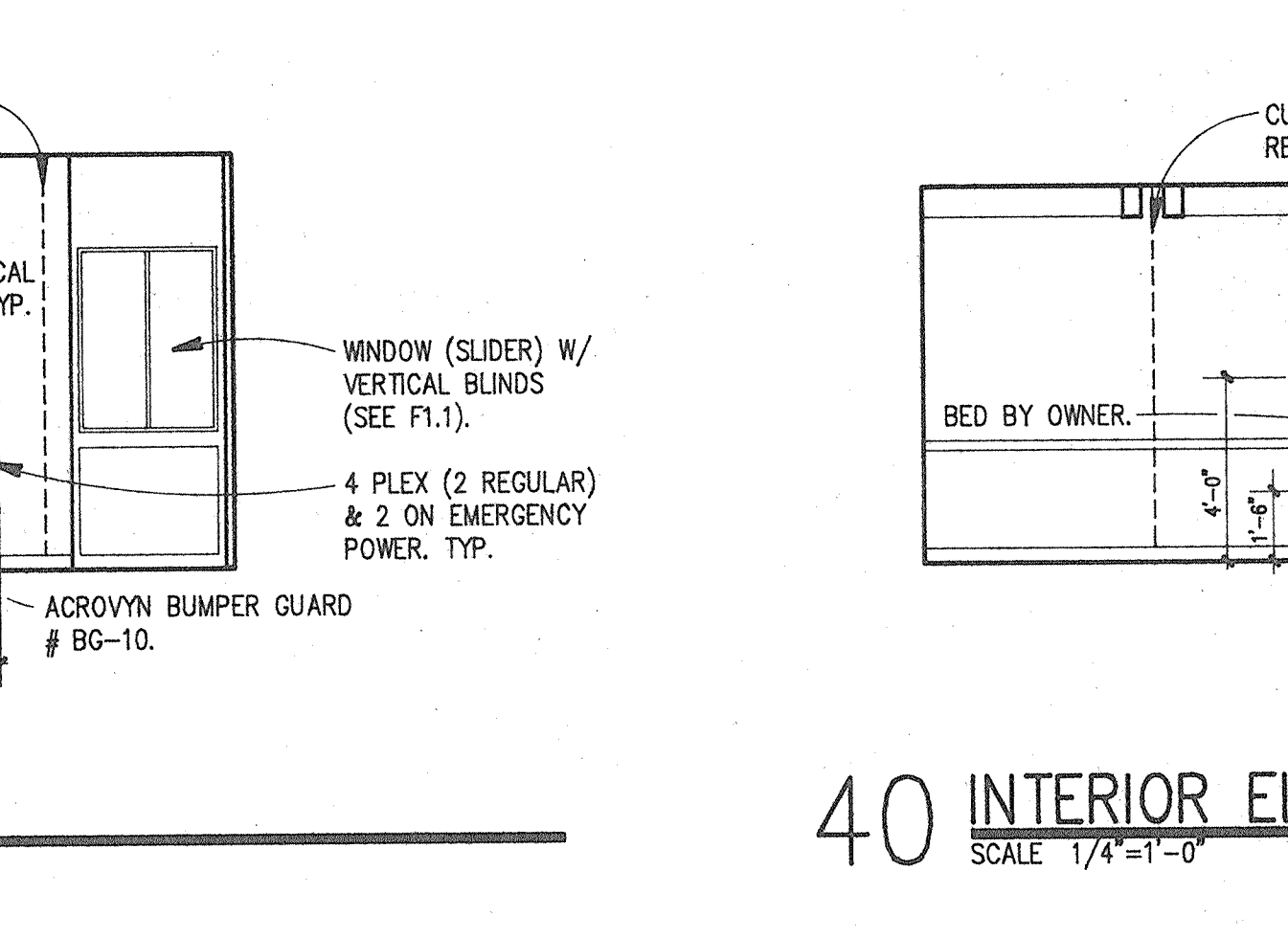
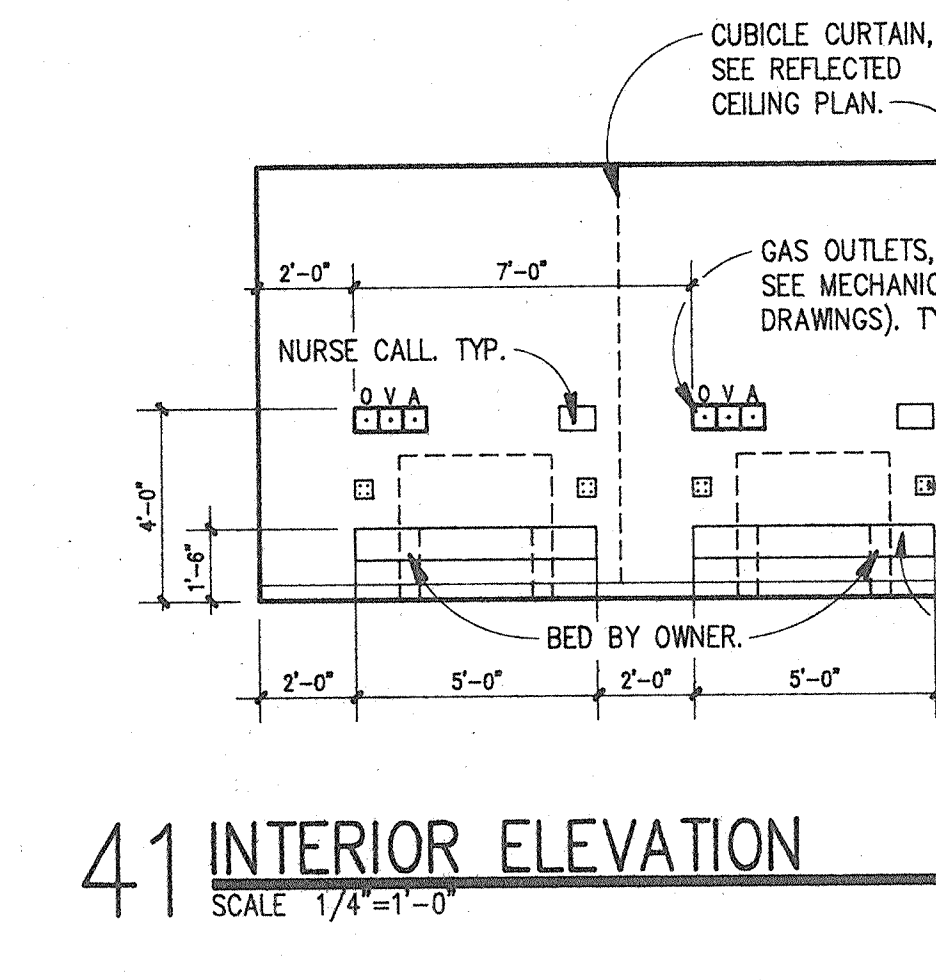
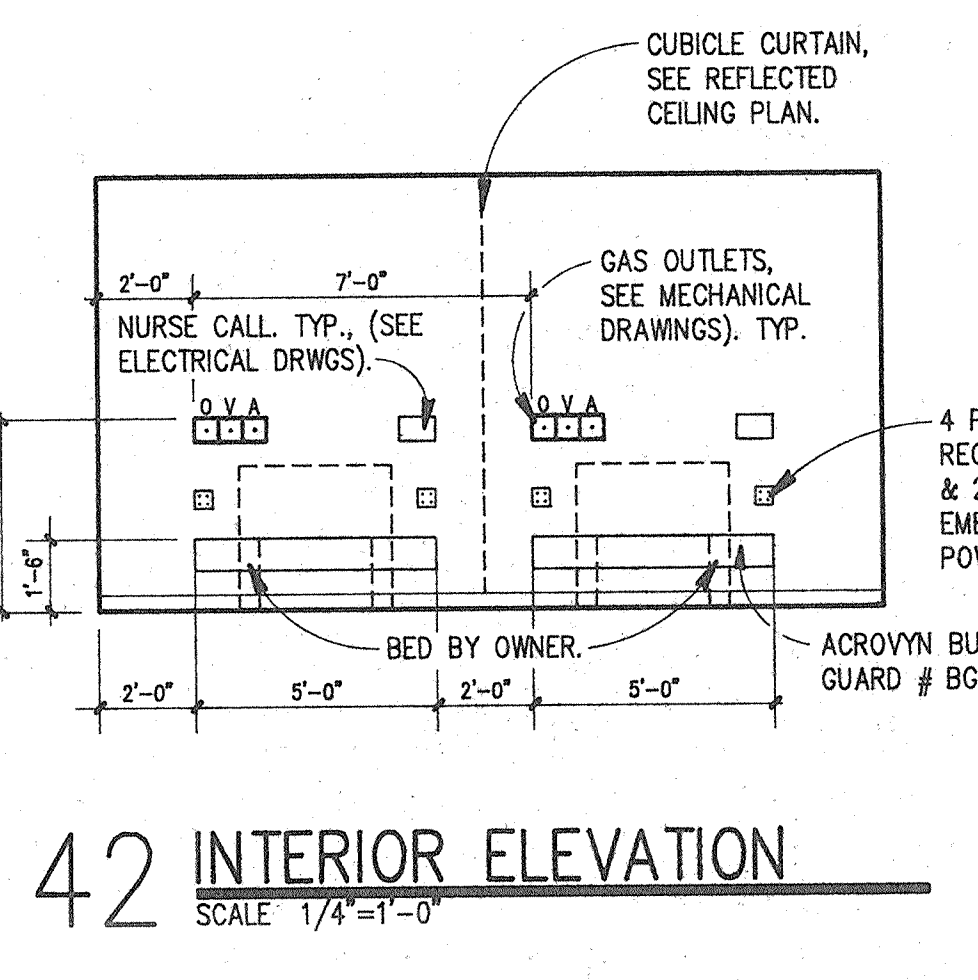
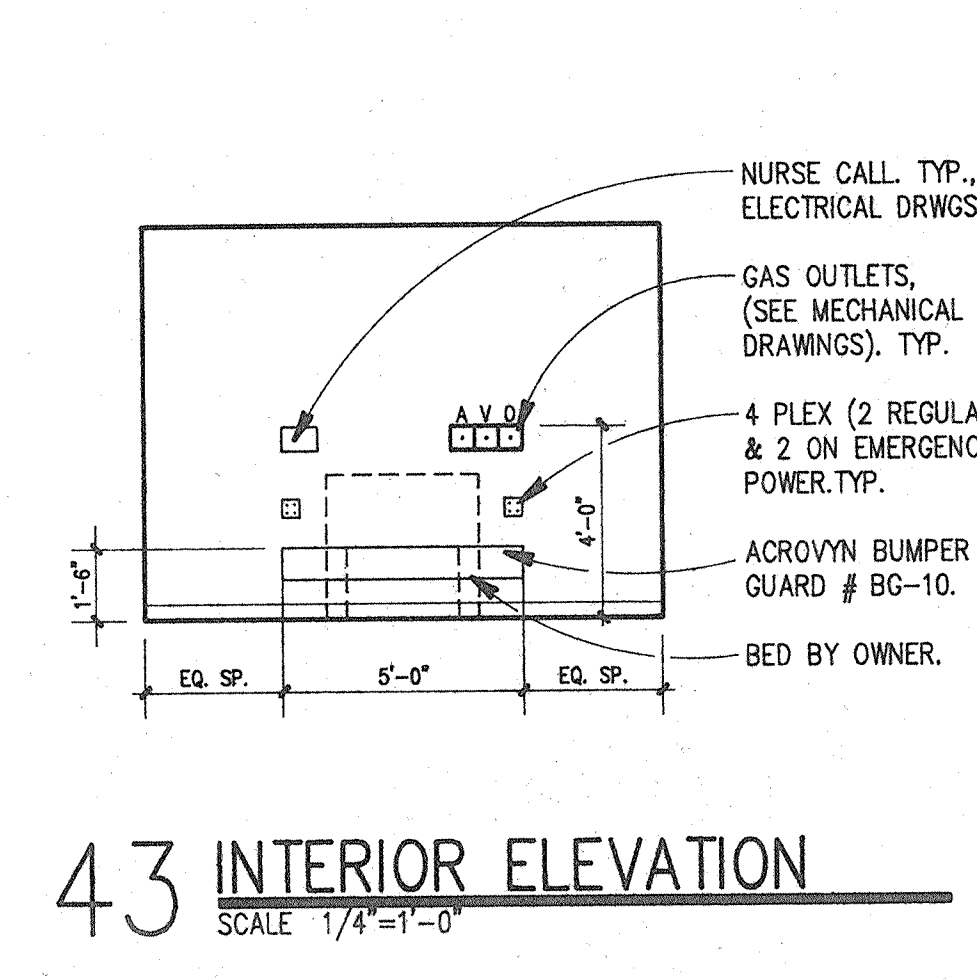
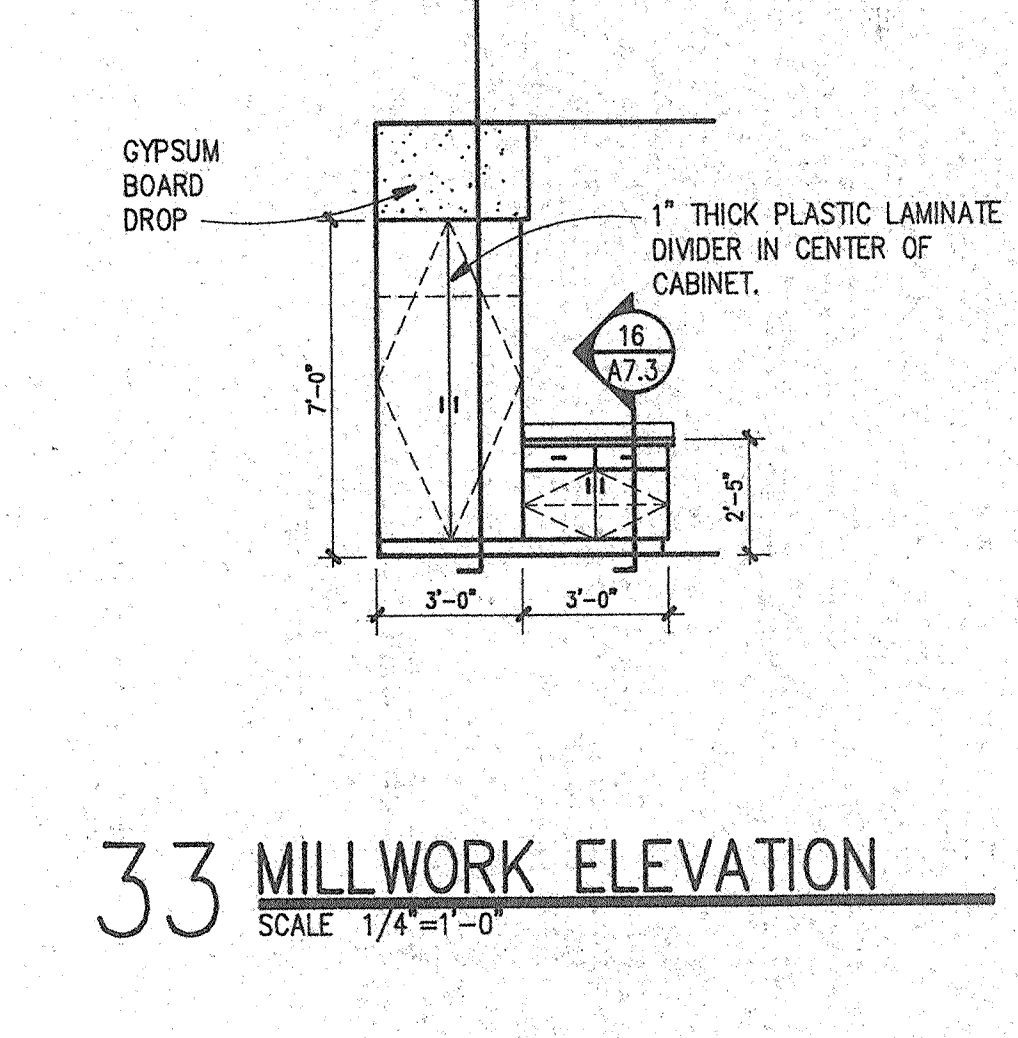
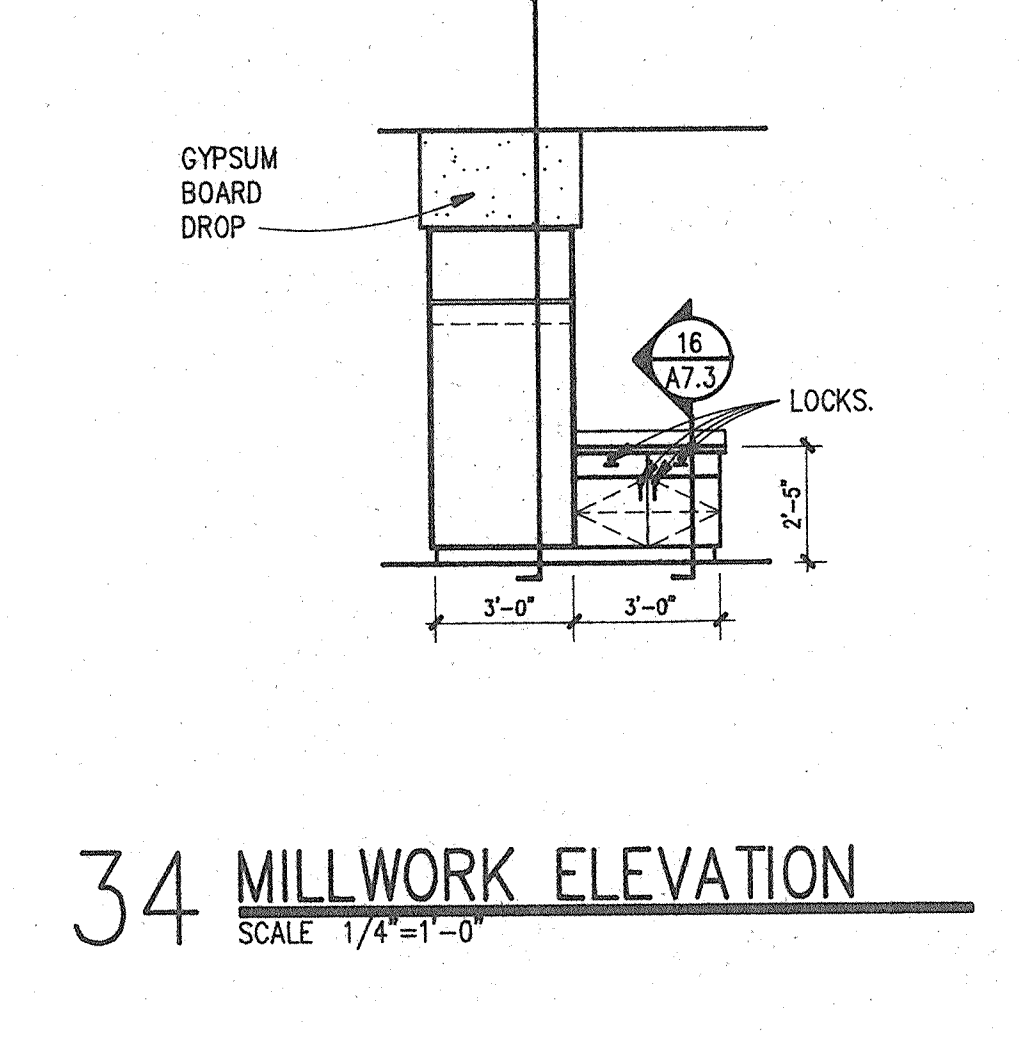
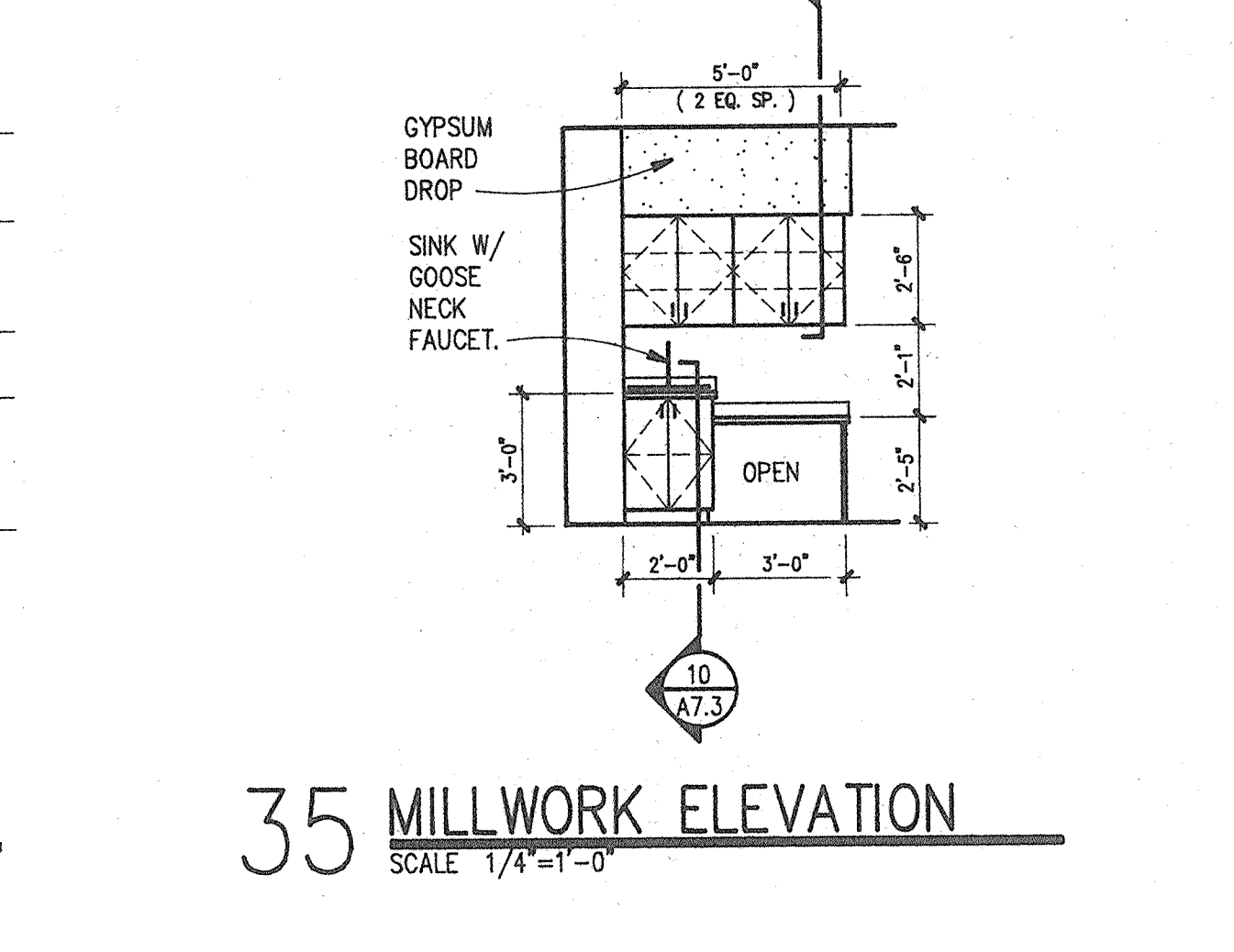
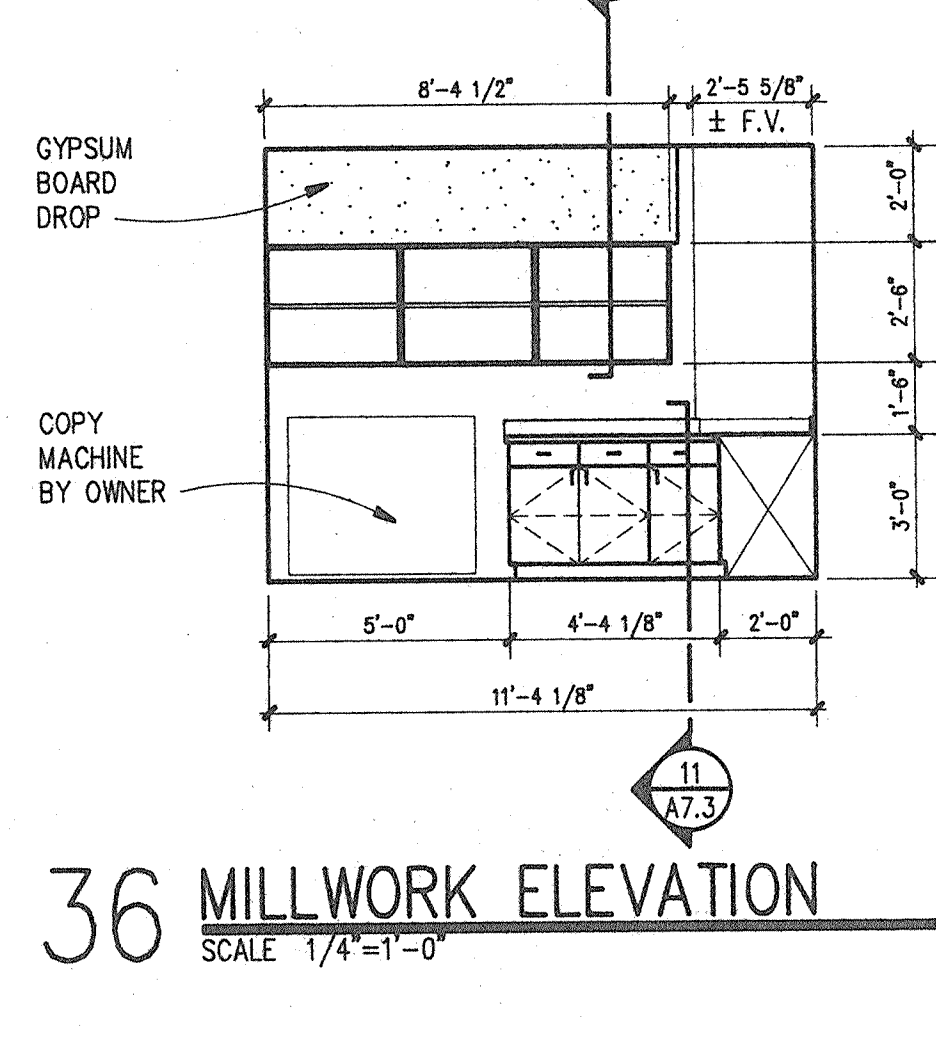
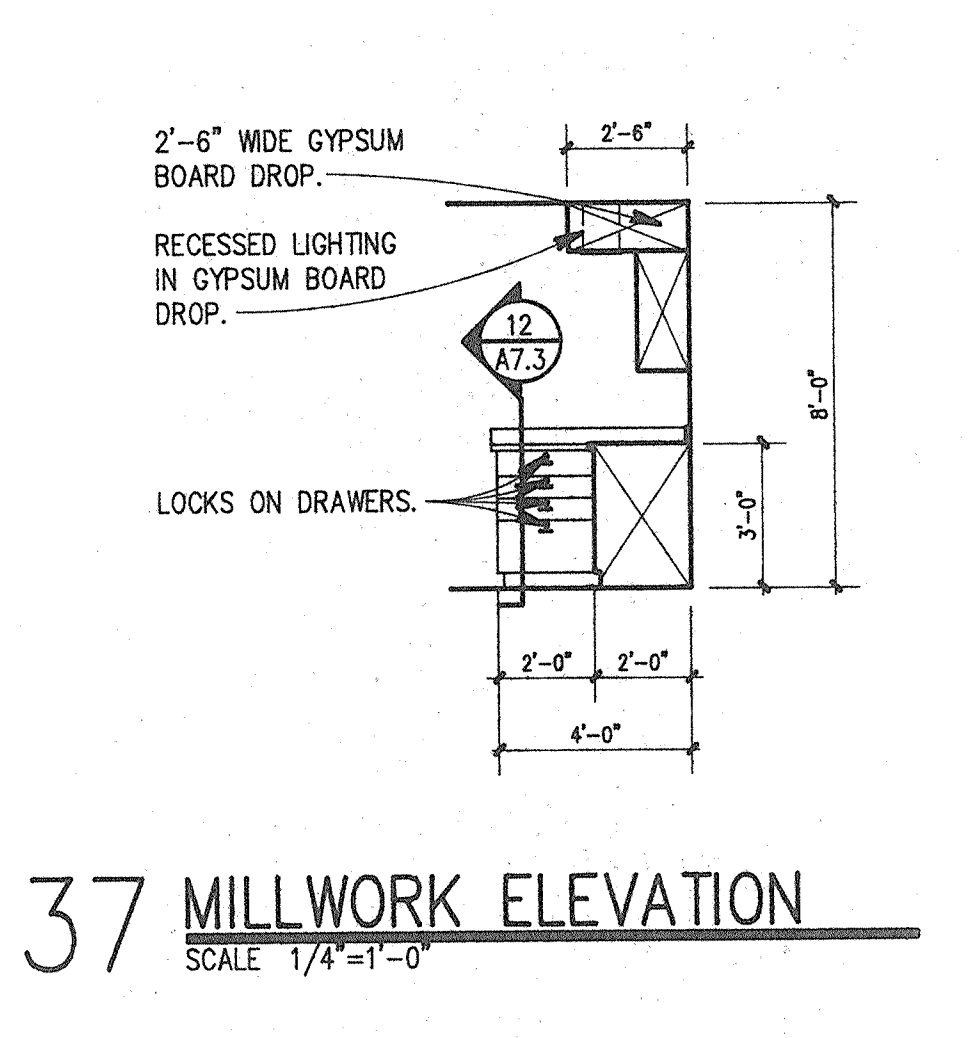
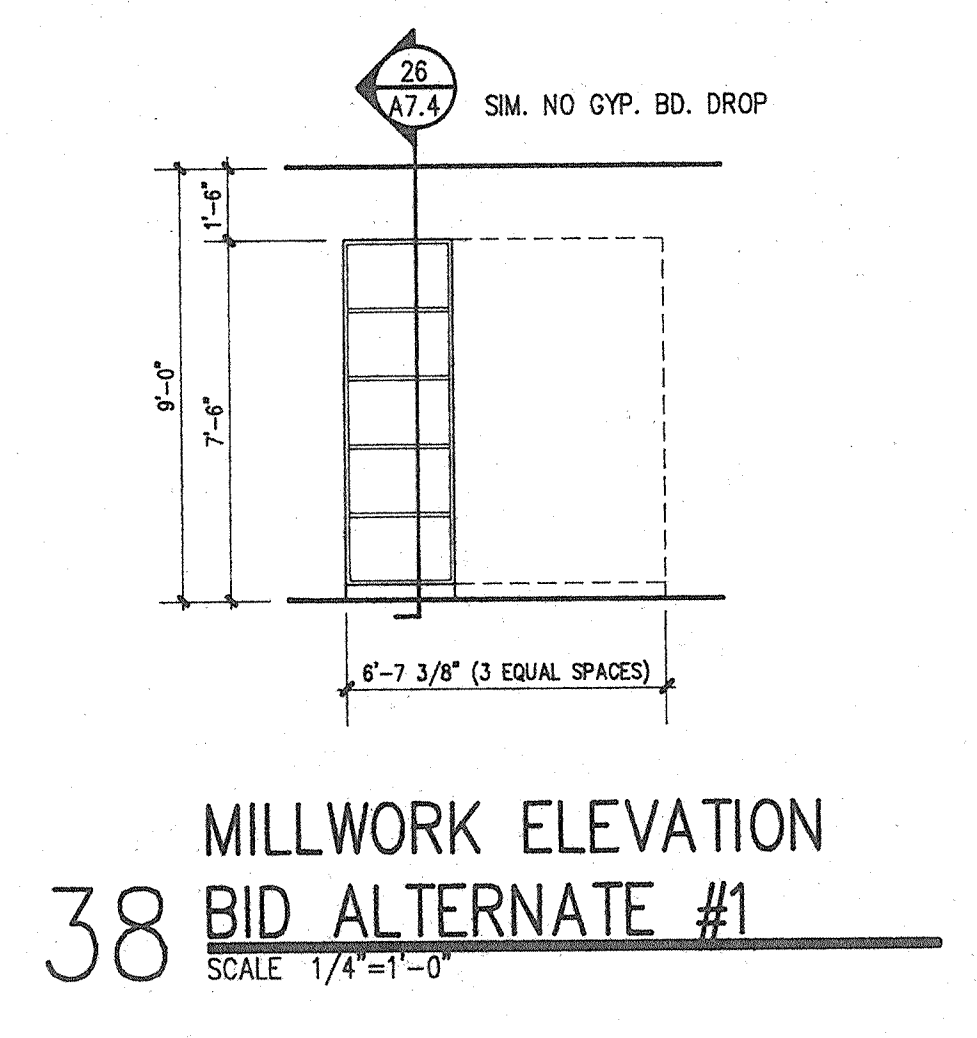
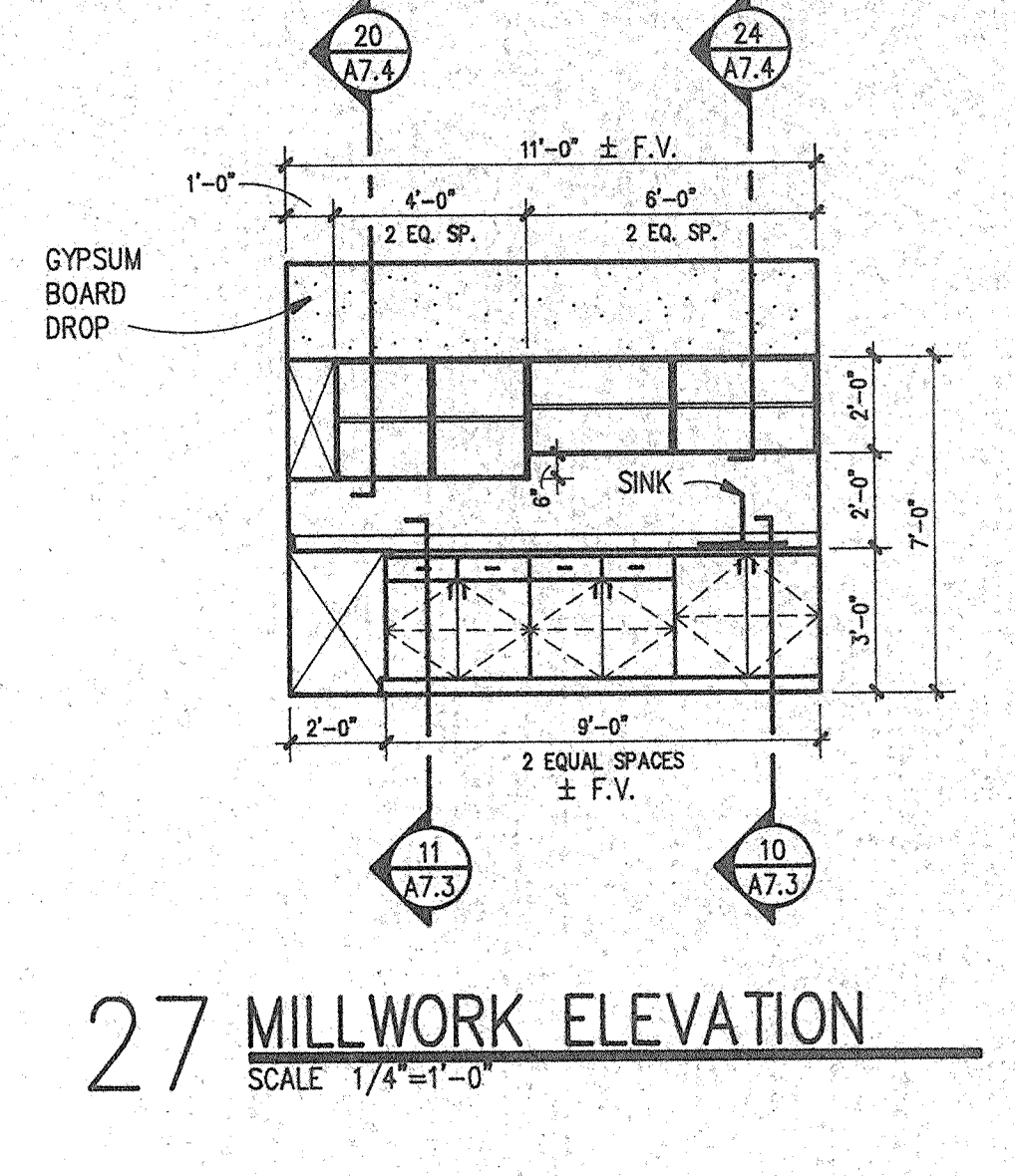
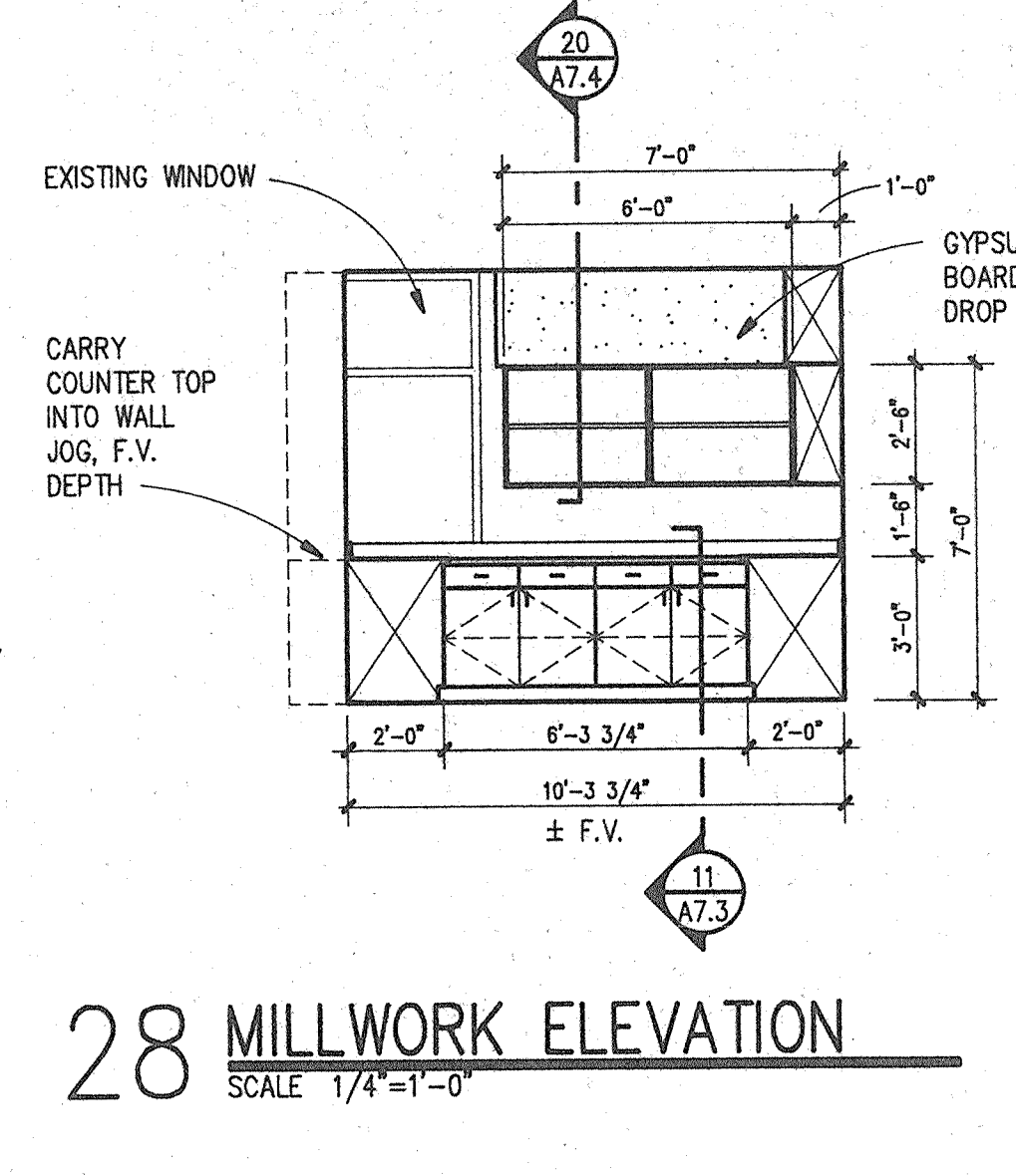
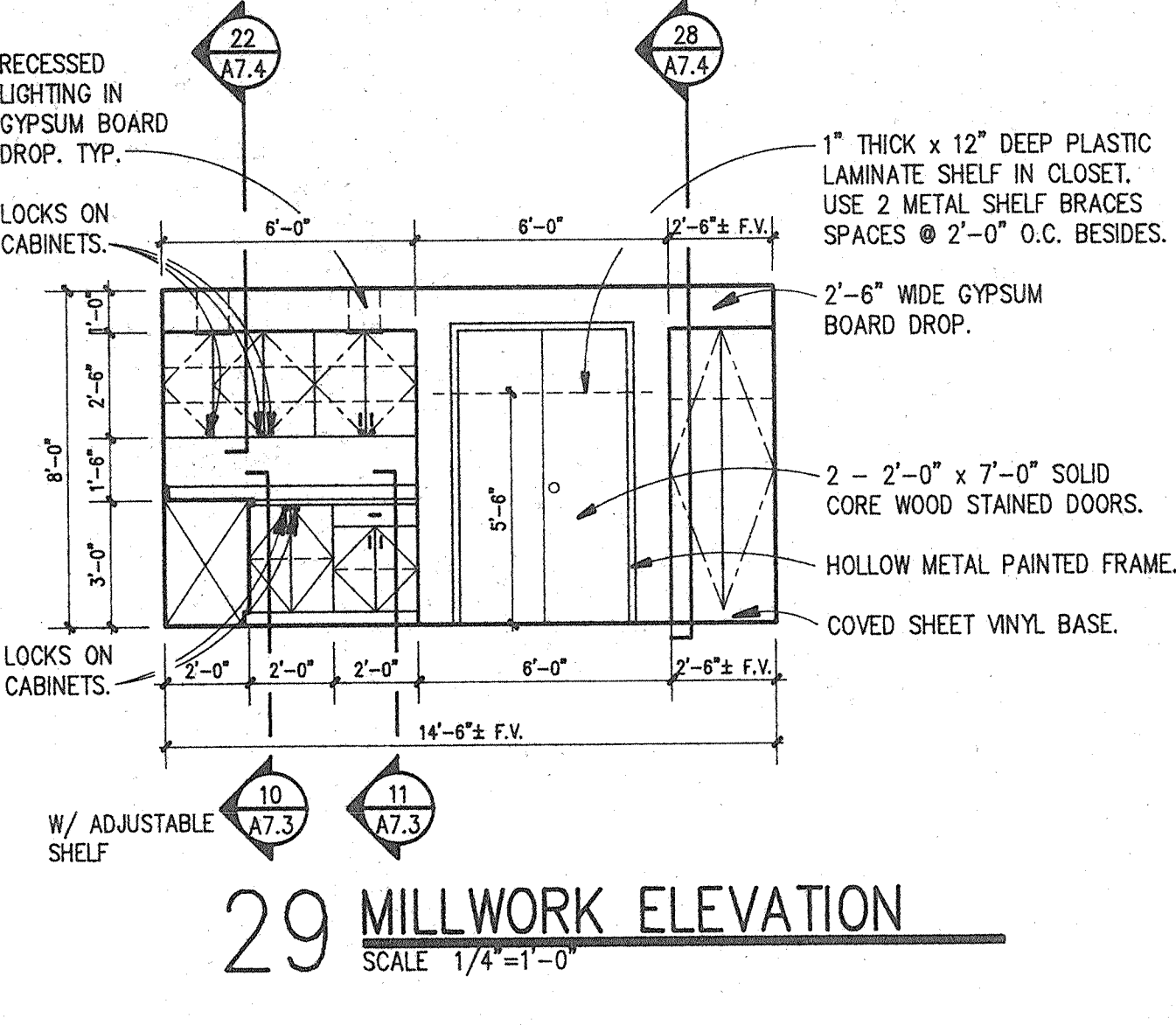
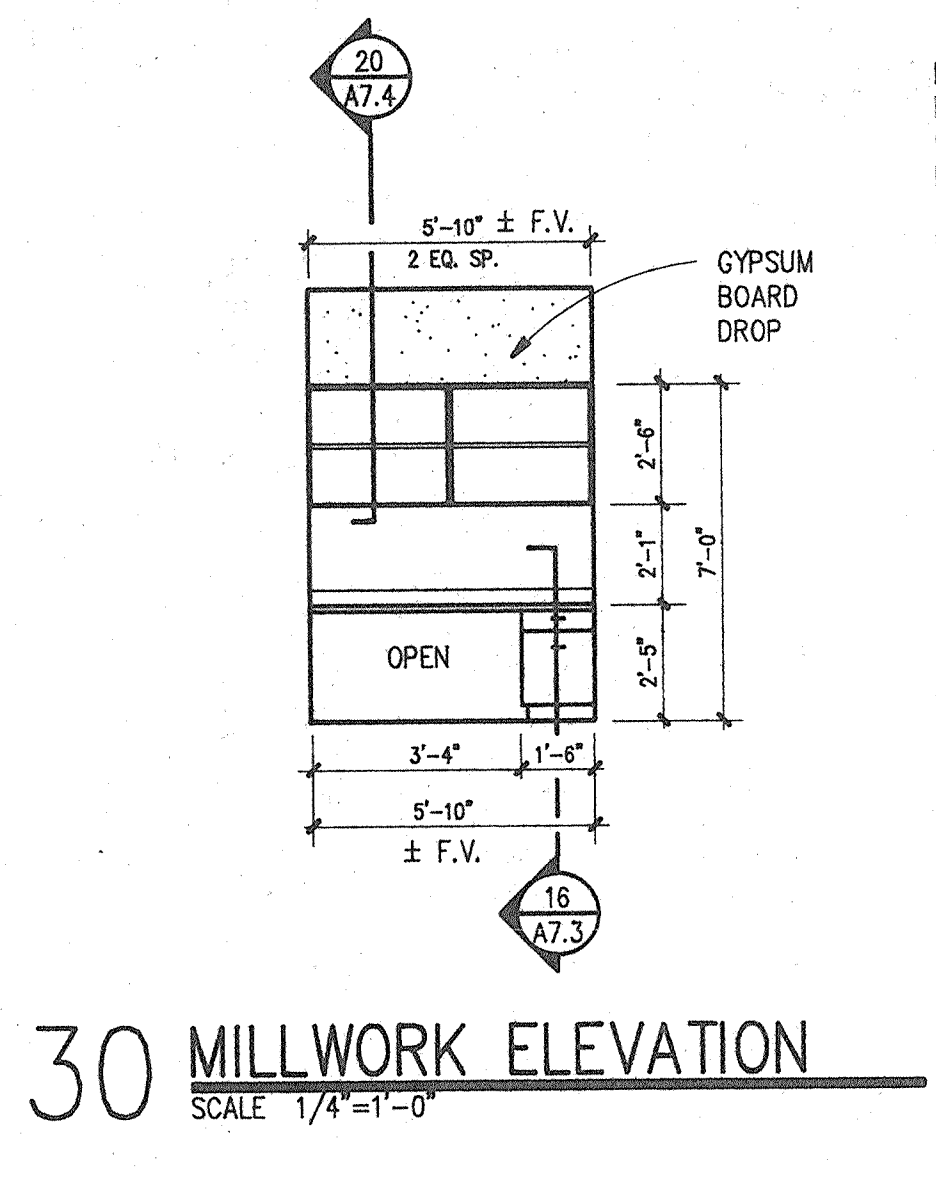
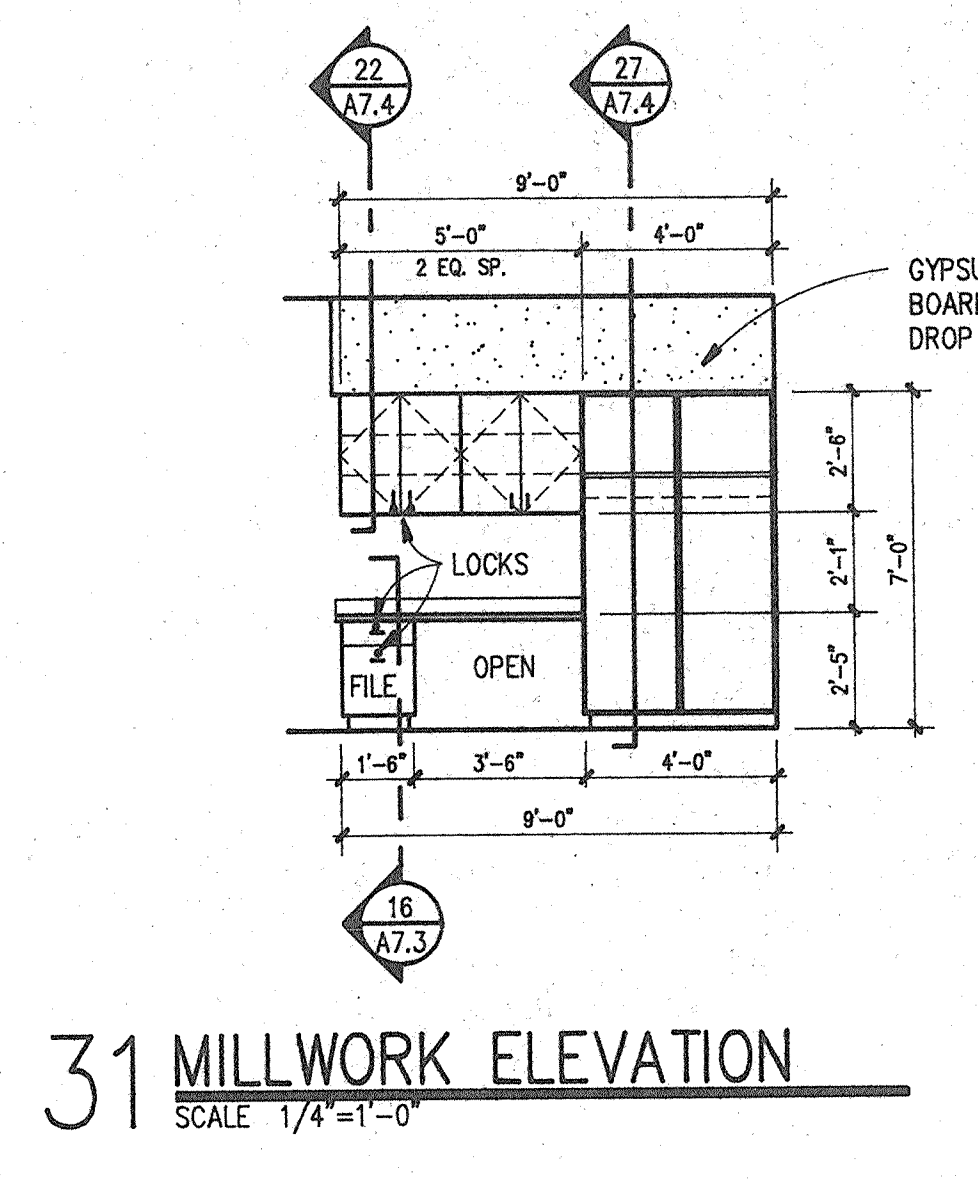
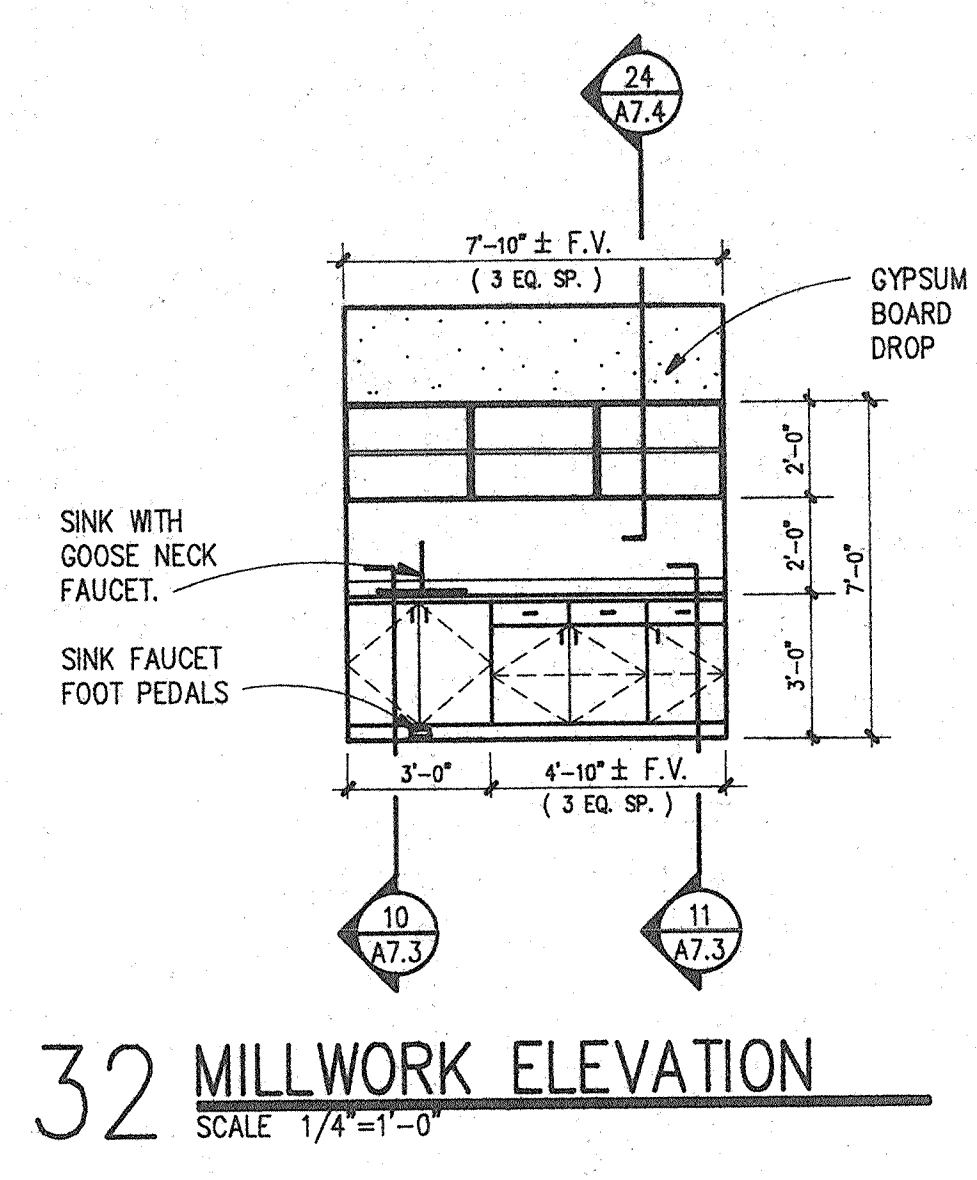
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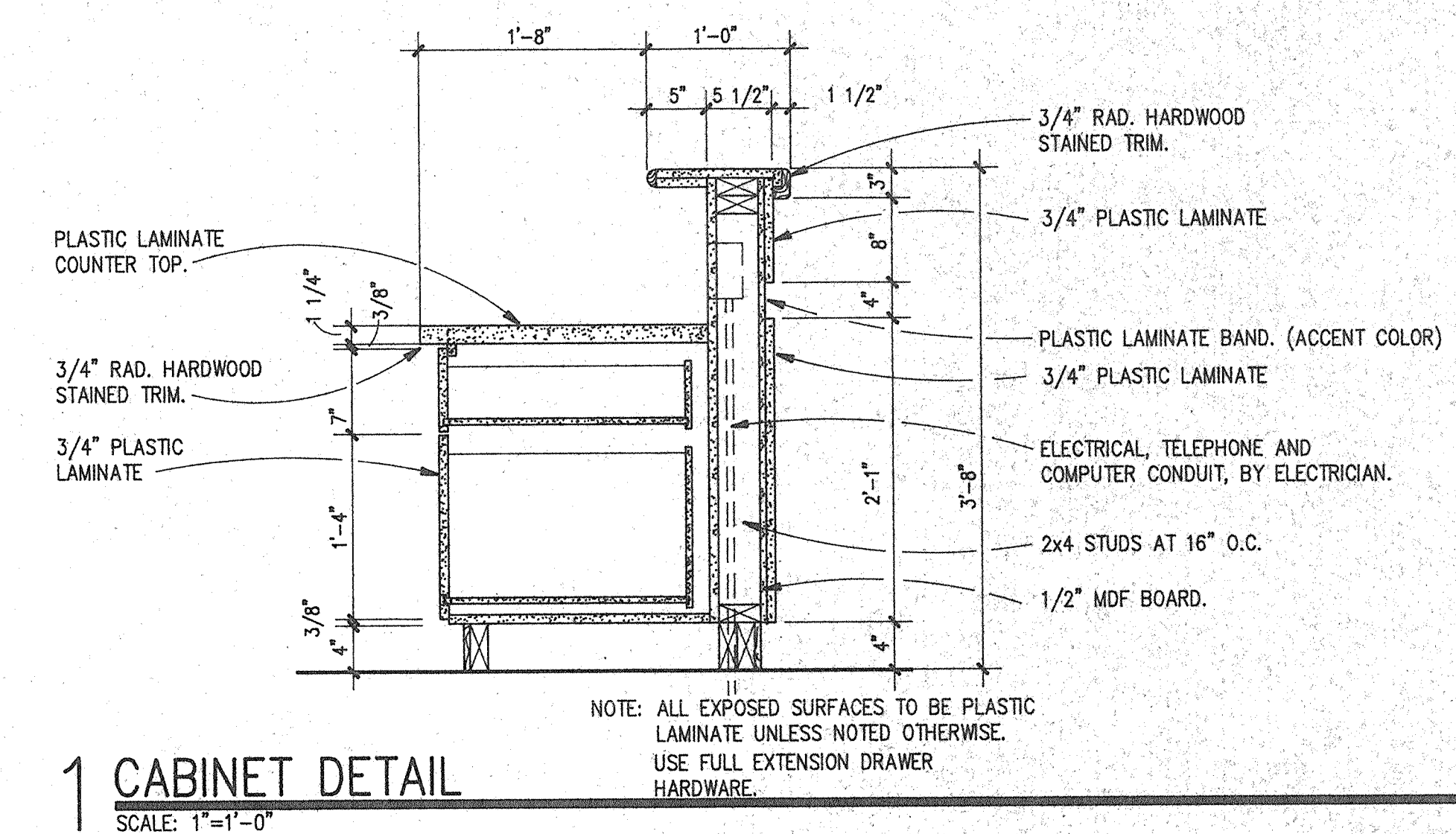
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ARCHITECTS  
PLANNERS  
UNIVERSITY OF UTAH RESEARCH PARK  
1600 W. 1000 S. SUITE 200  
SALT LAKE CITY, UTAH, 84143  
801-553-5533

A 6.1

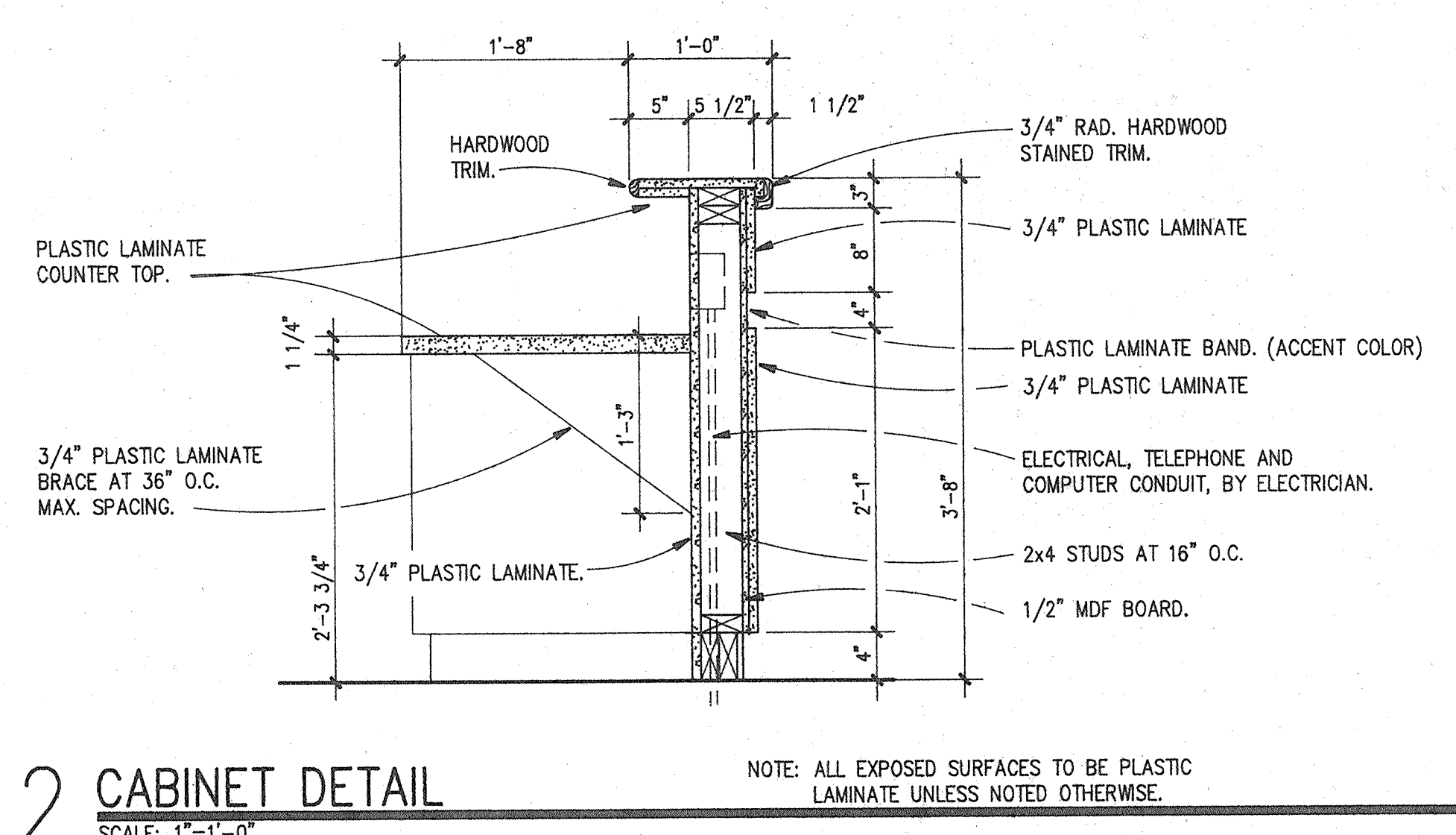
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SHEET 18 OF 19



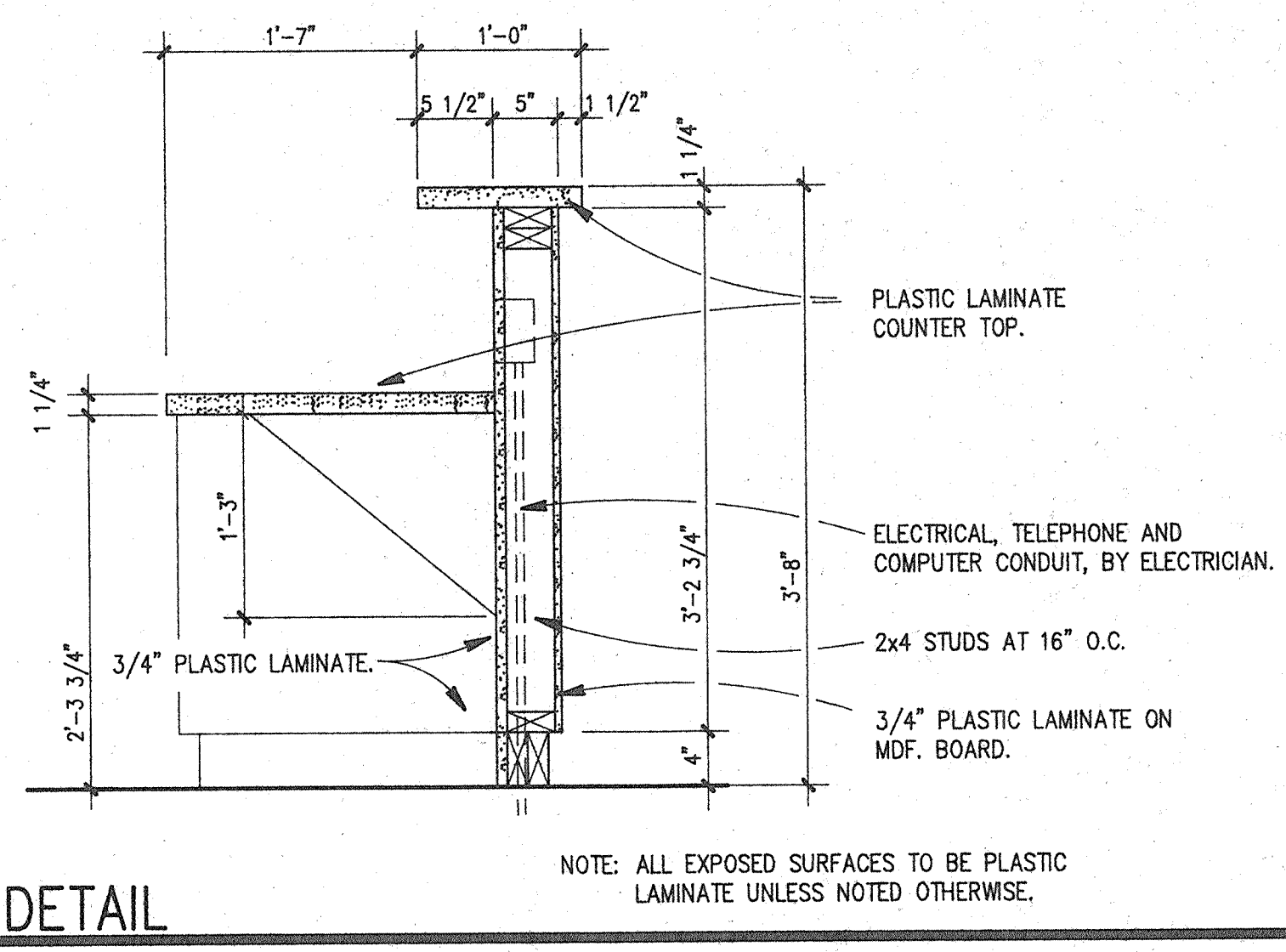




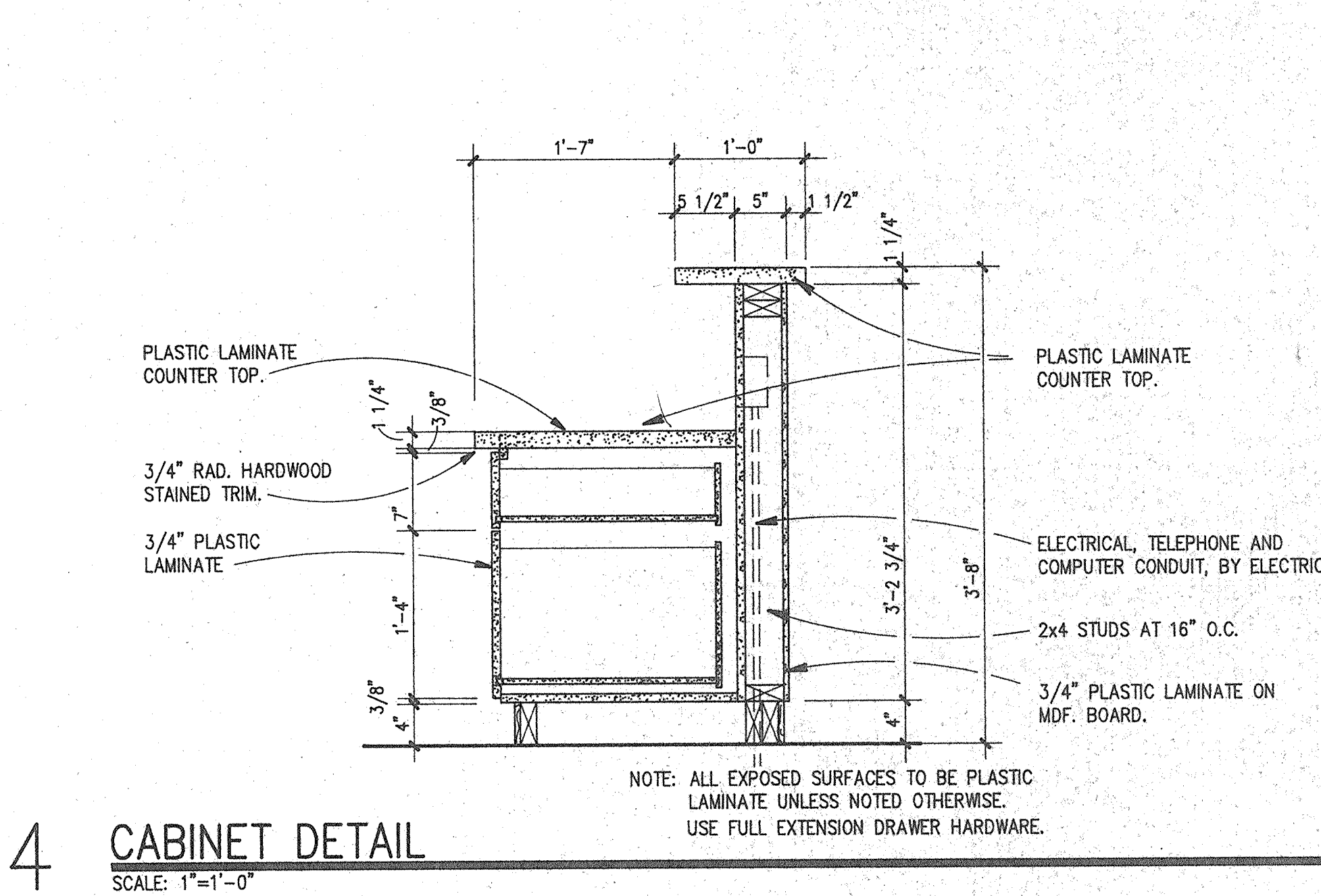
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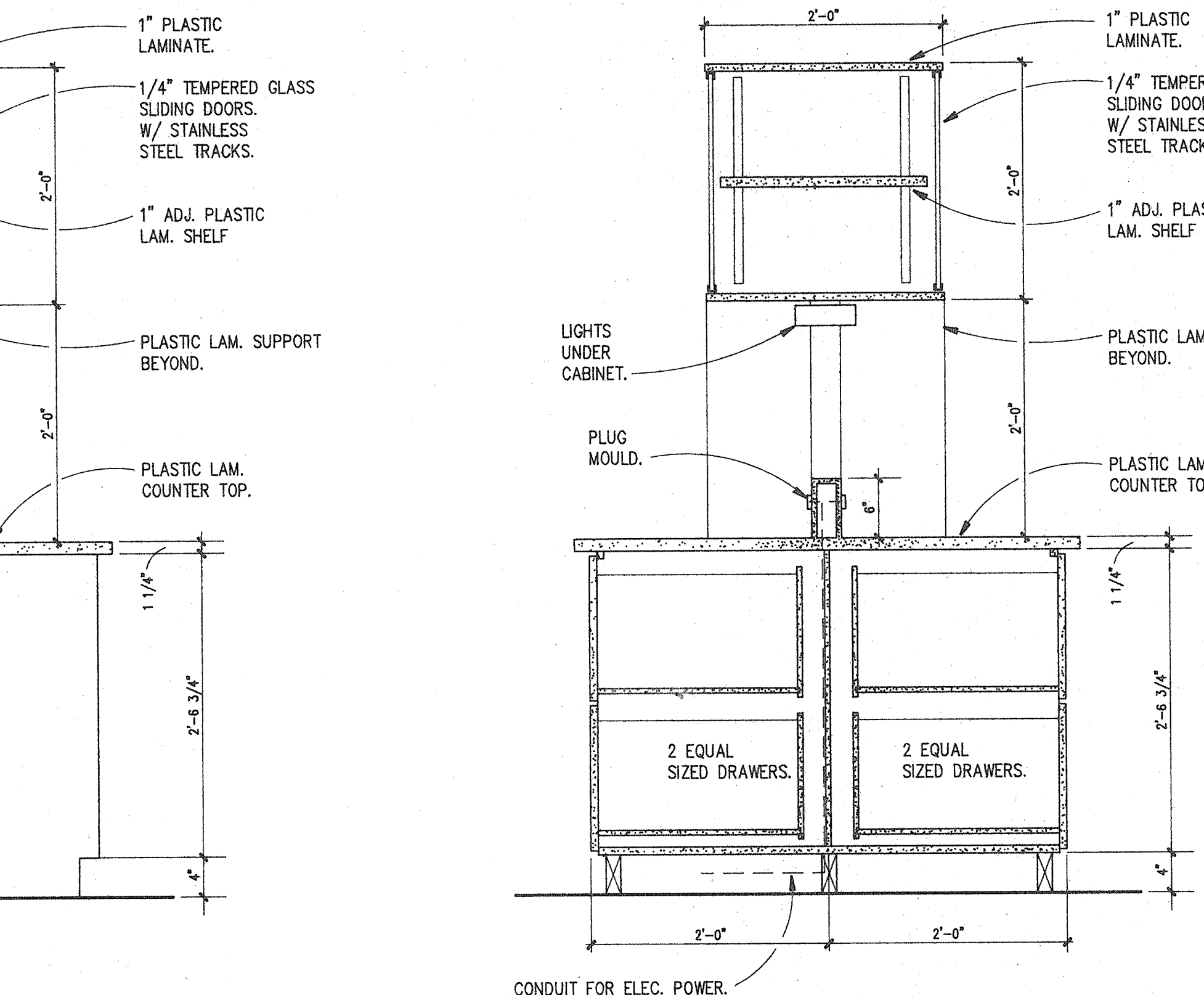
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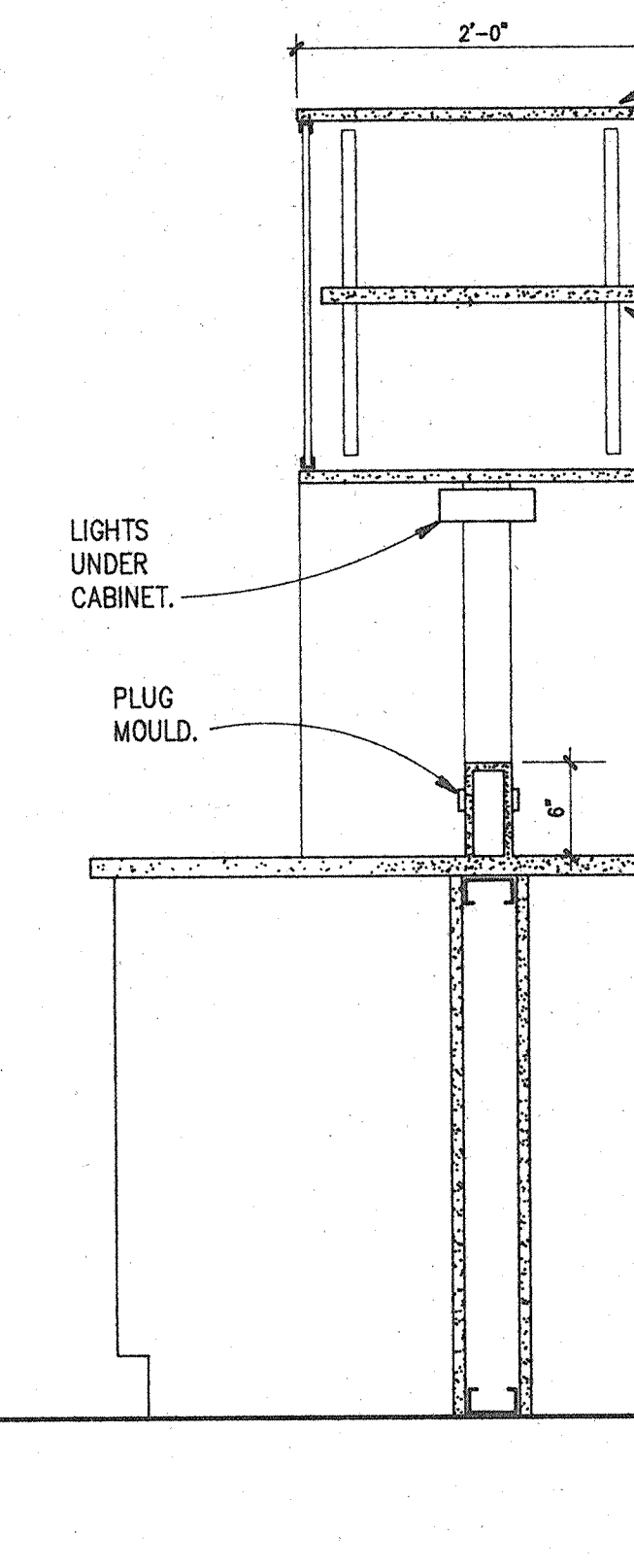
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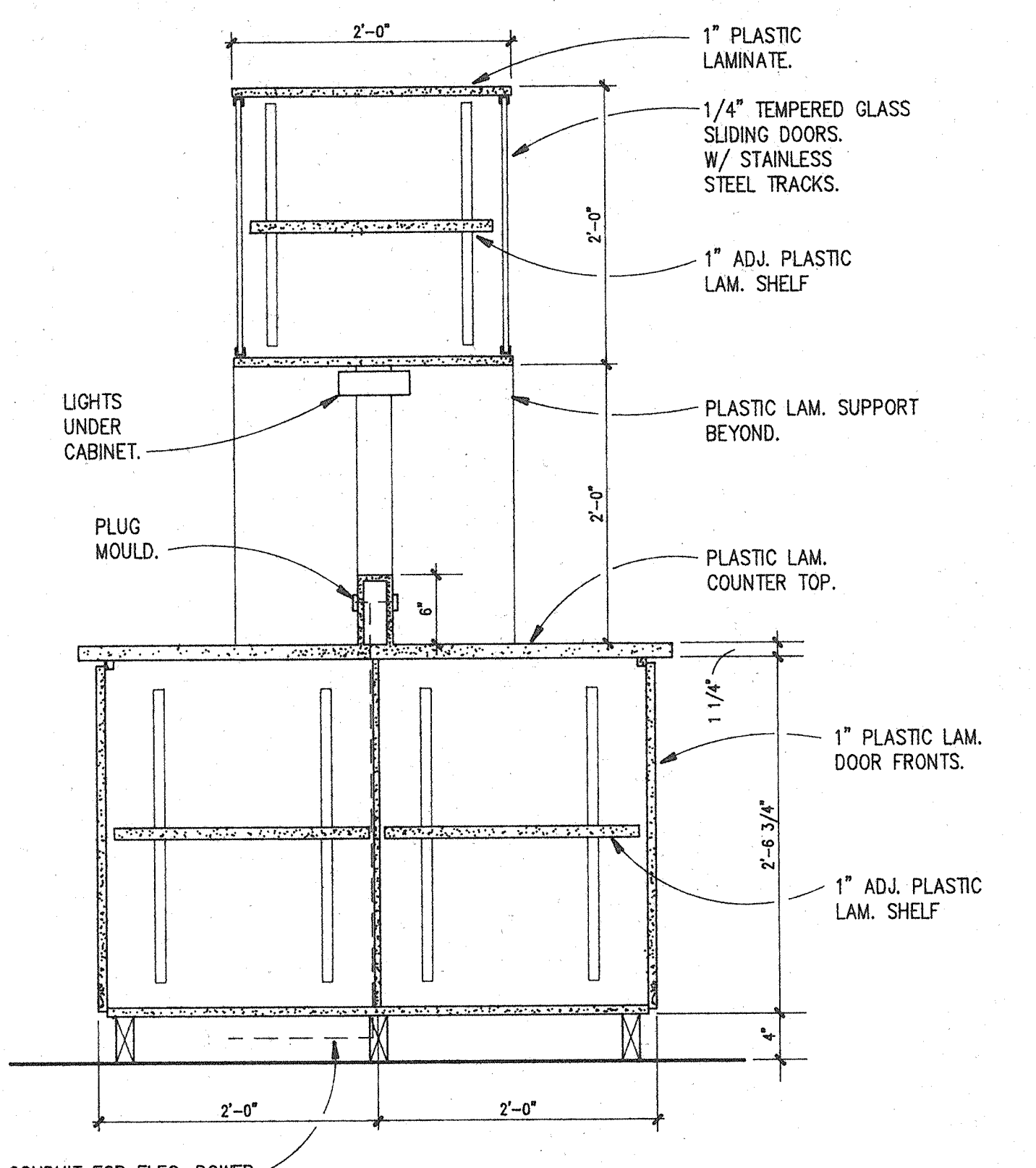
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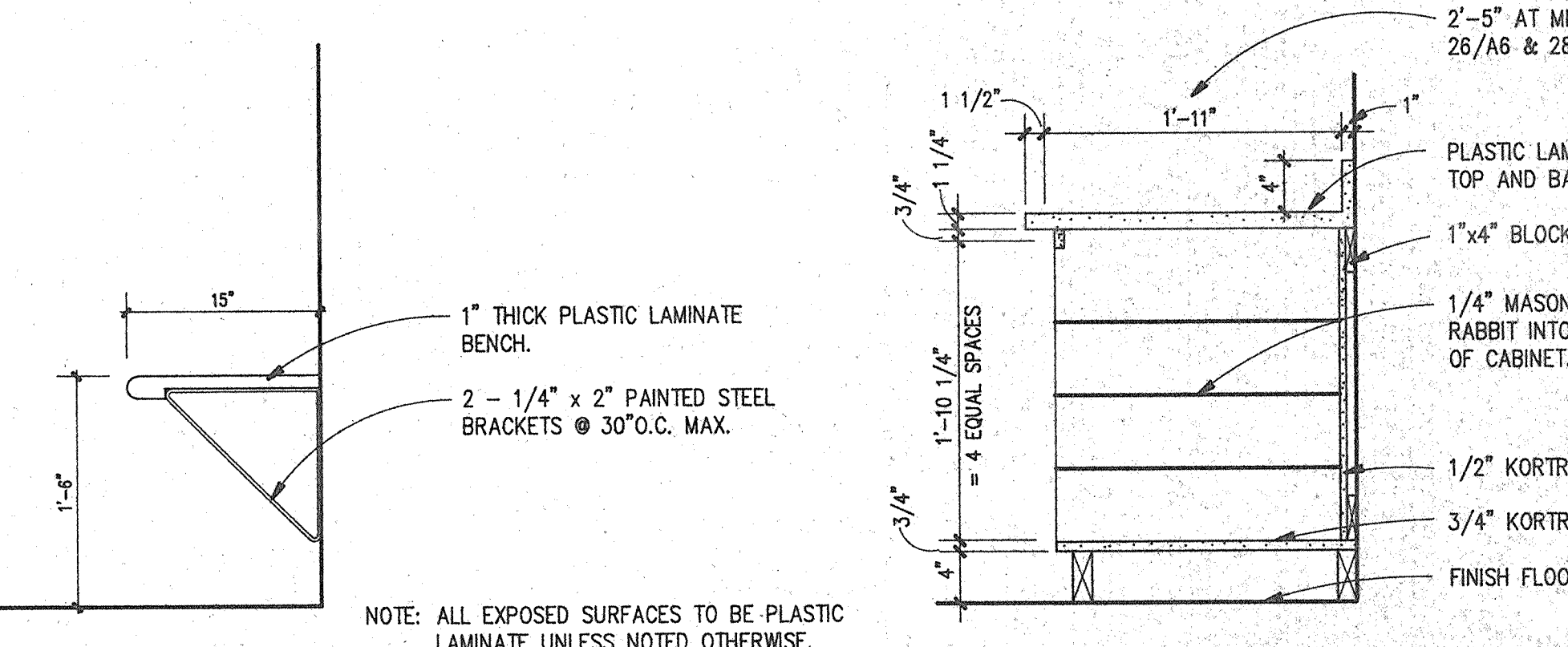
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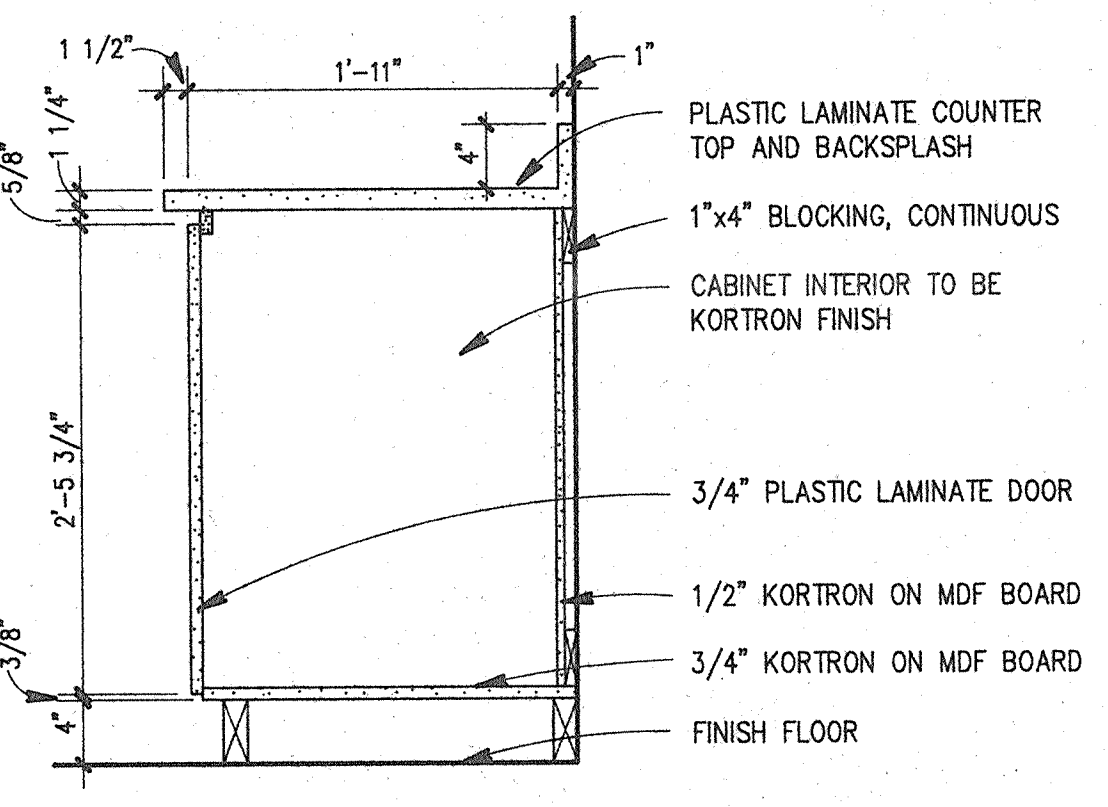
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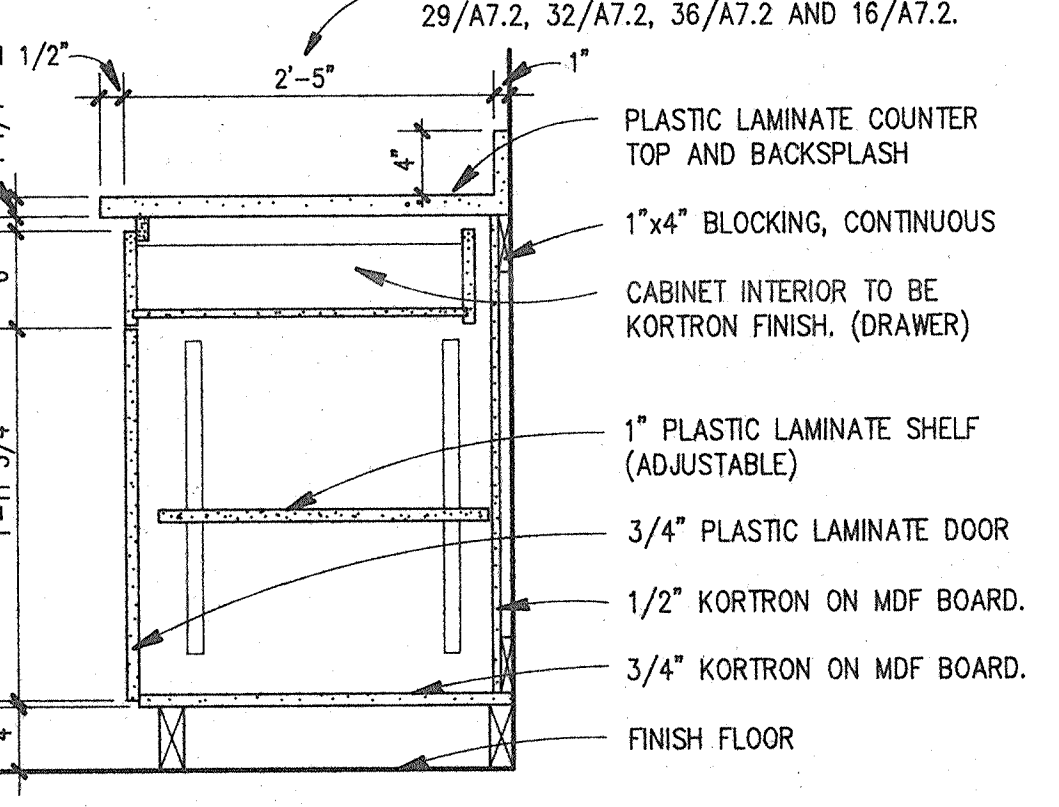
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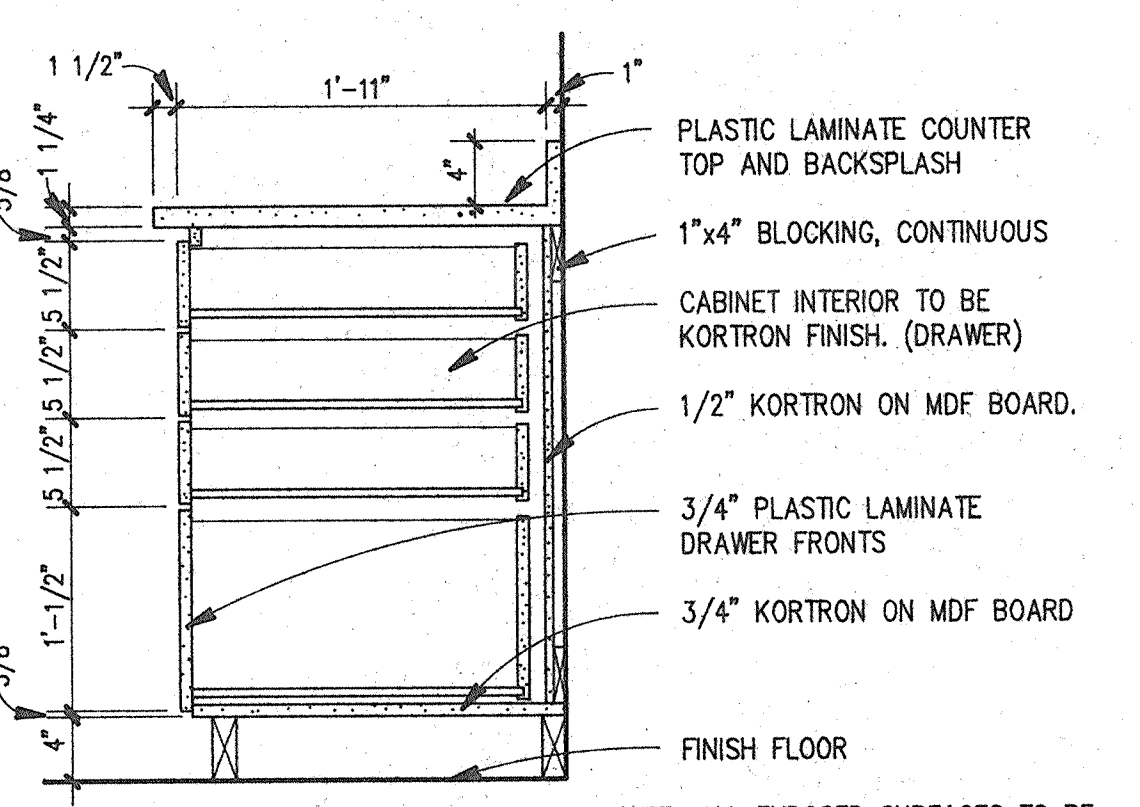
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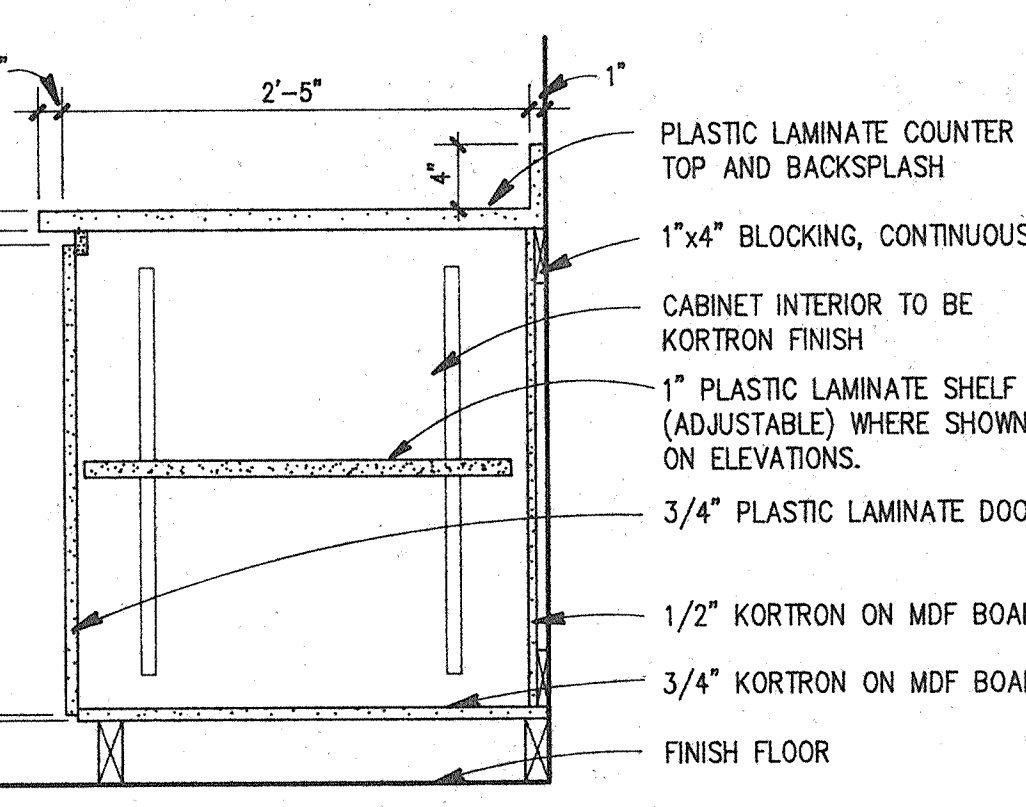
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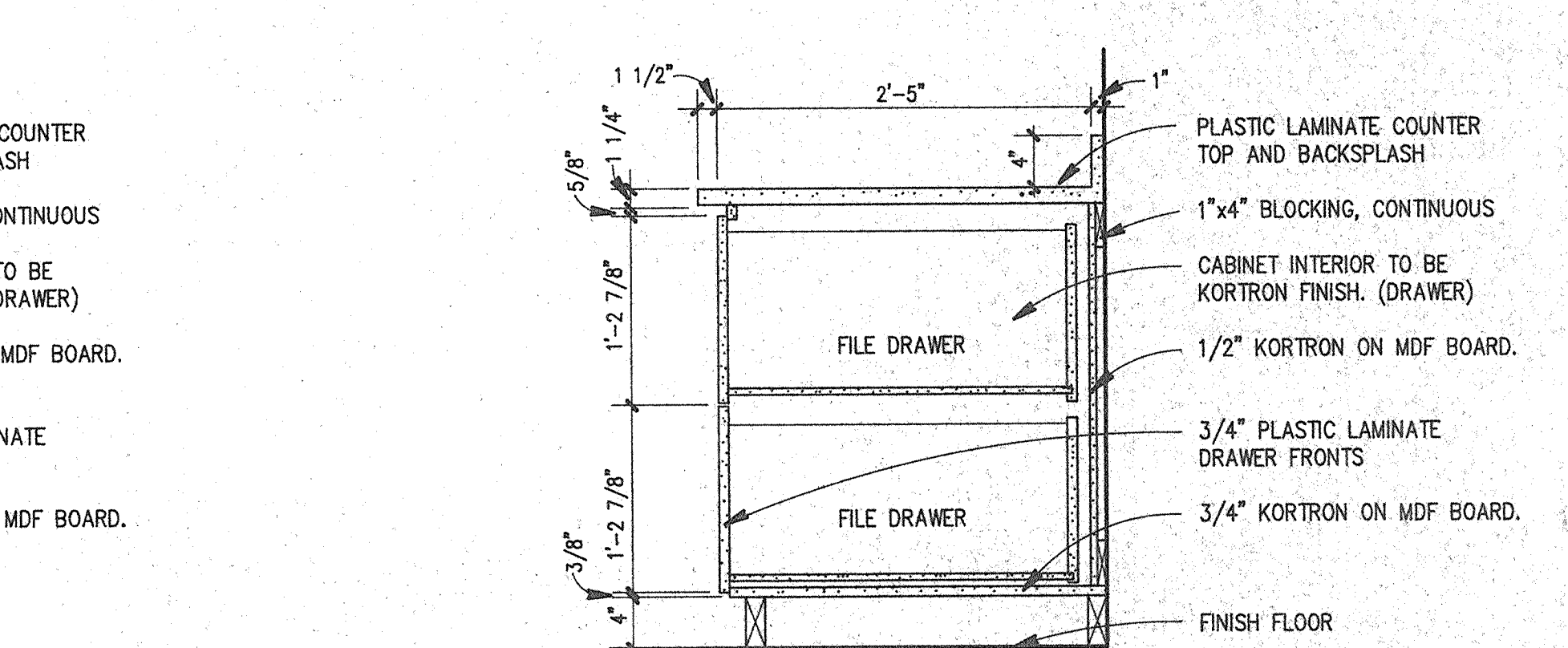
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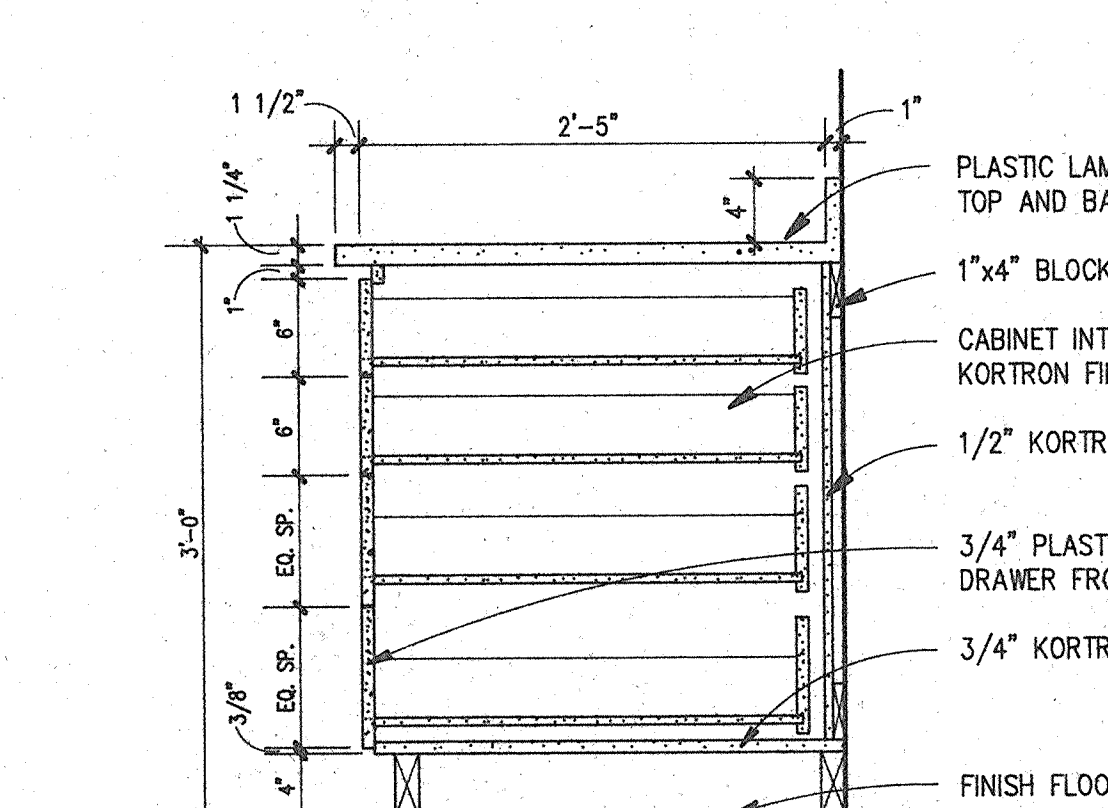
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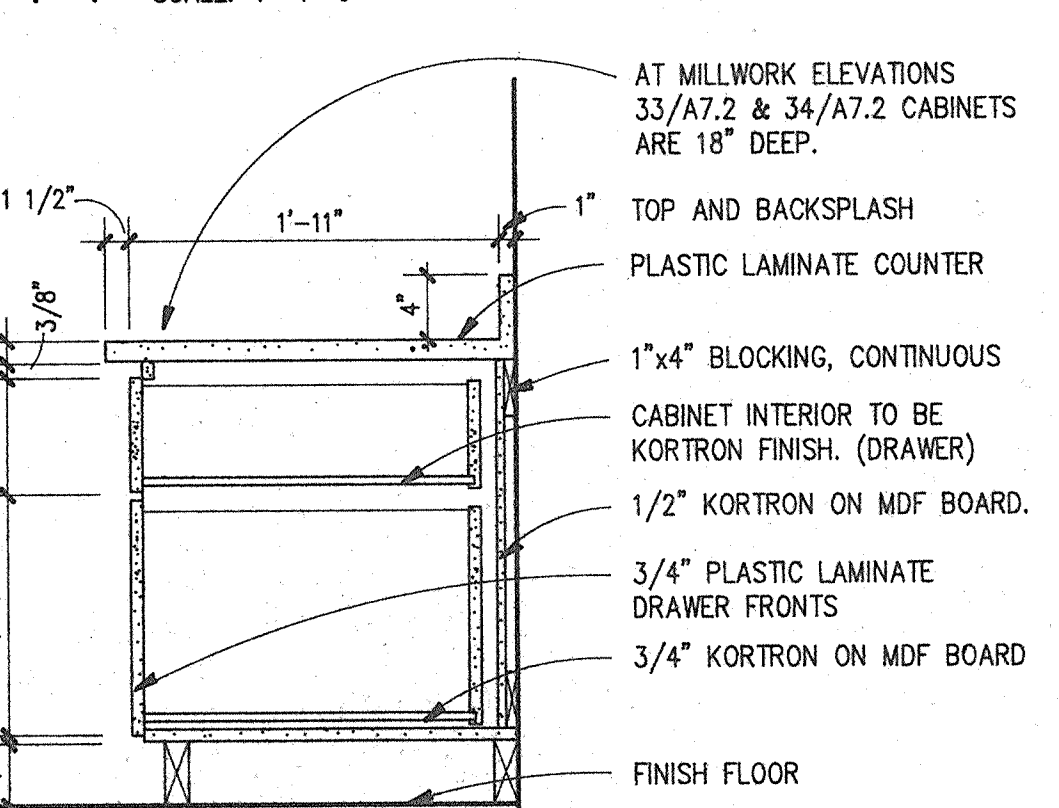
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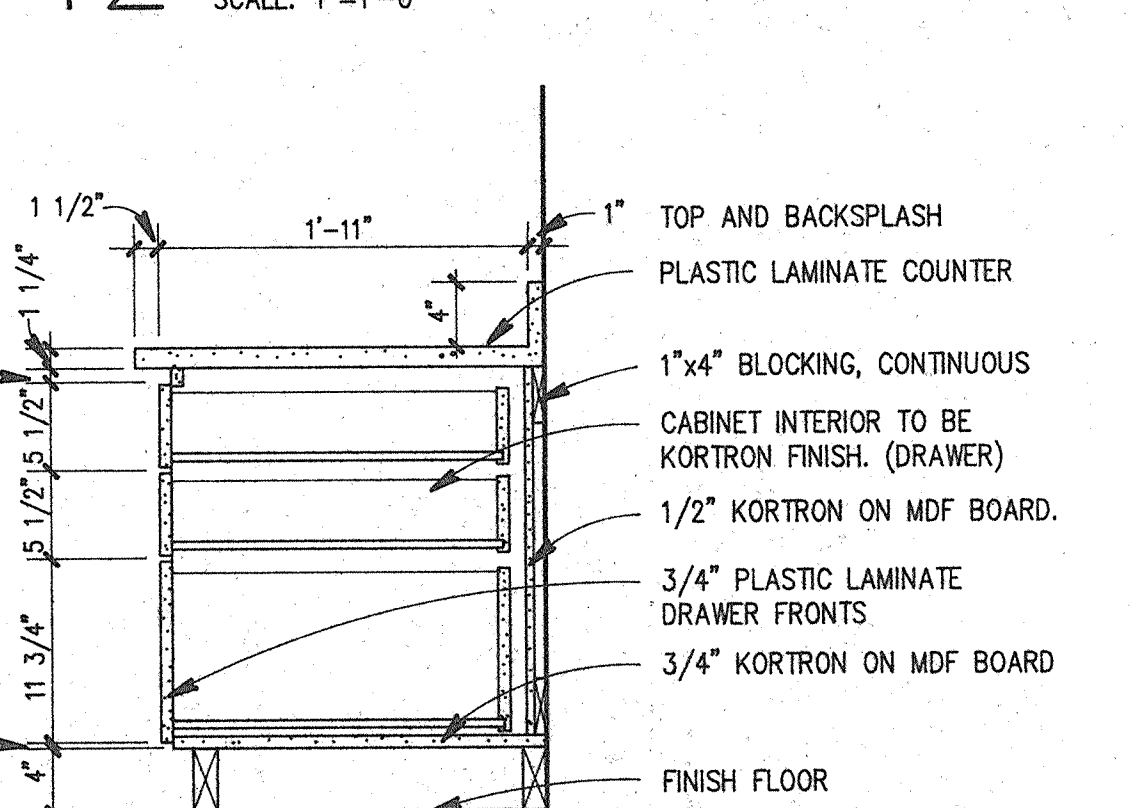
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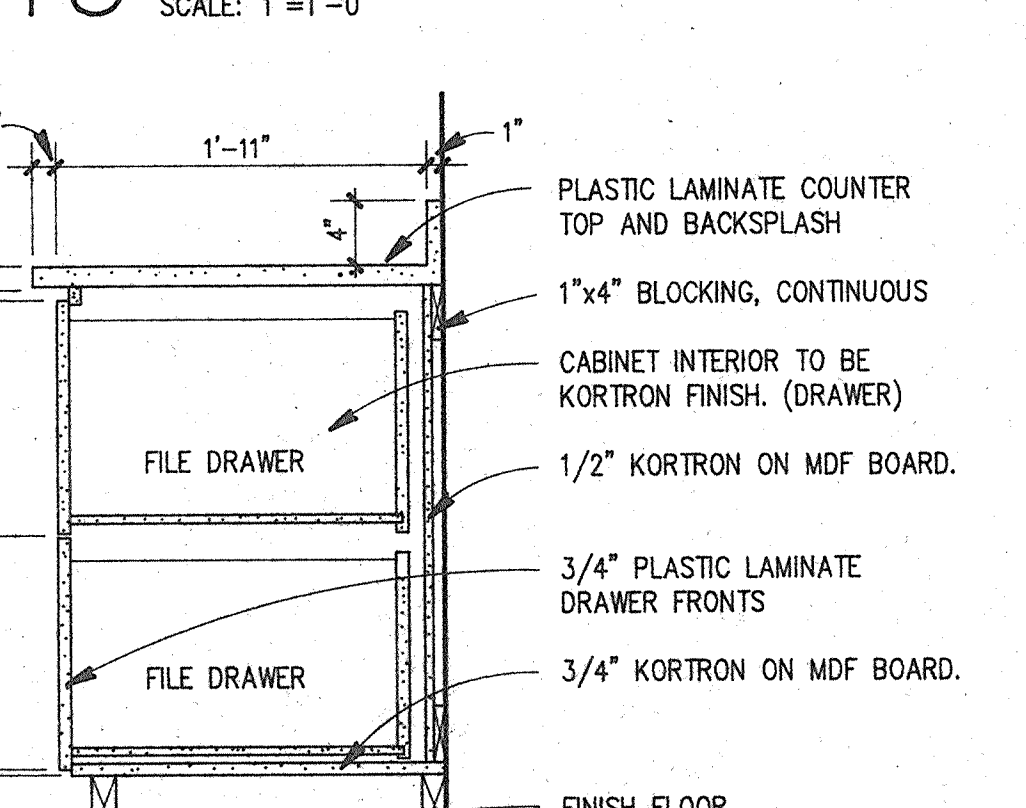
14 CABINET DETAIL  
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15 CABINET DETAIL  
SCALE: 1"=1'-0"



16 CABINET DETAIL  
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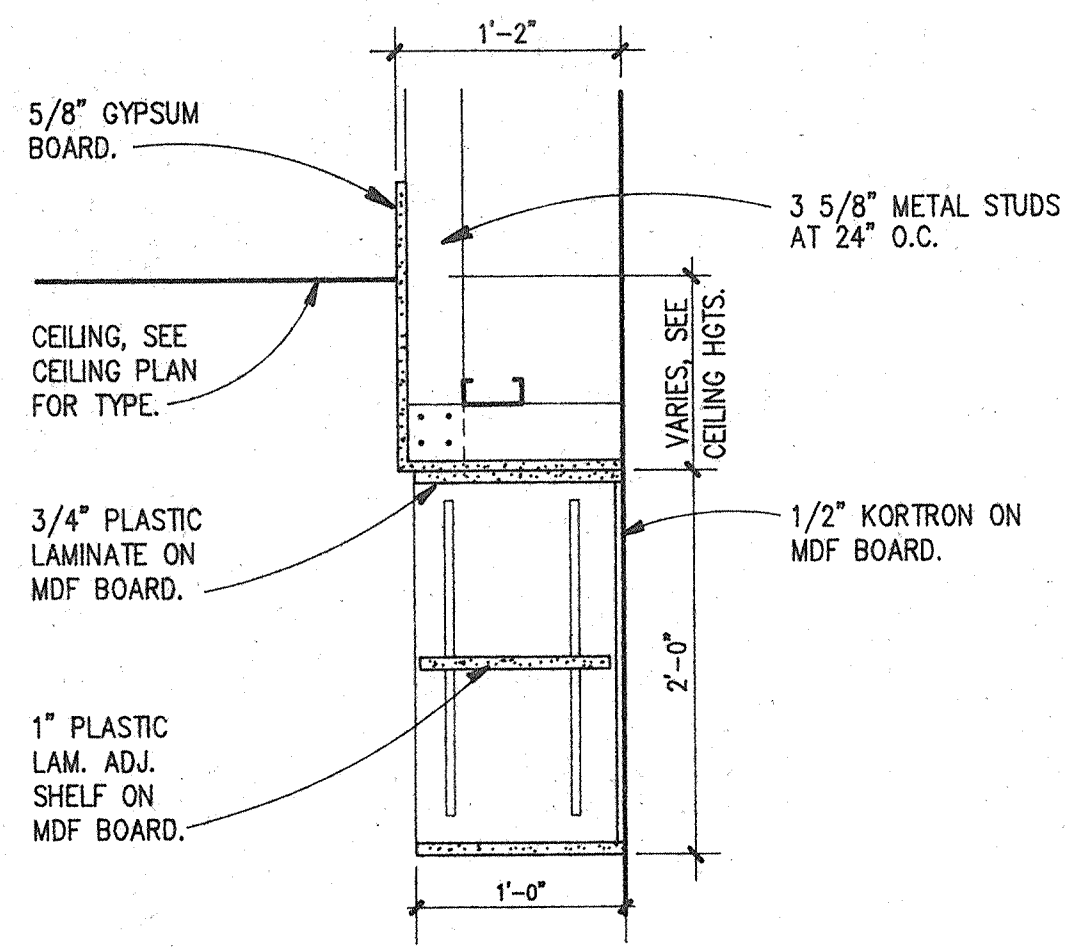


17 CABINET DETAIL  
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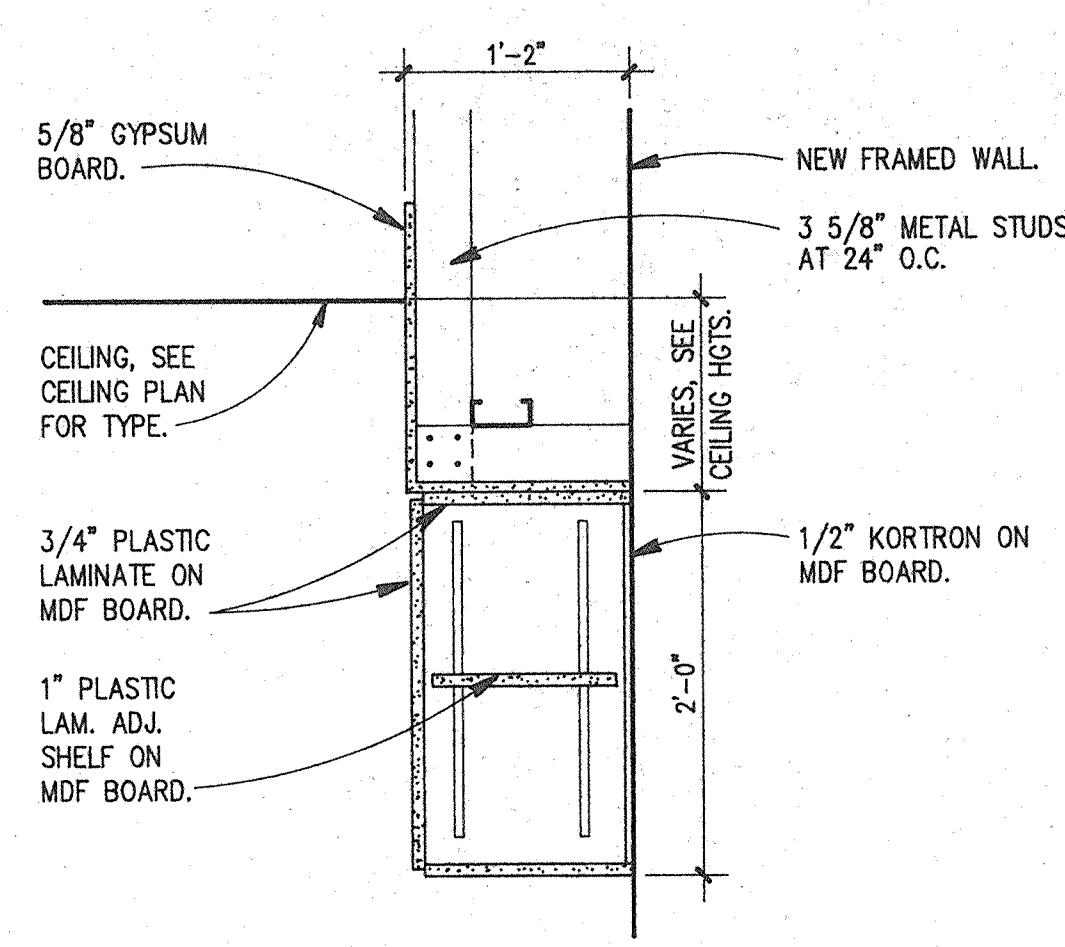
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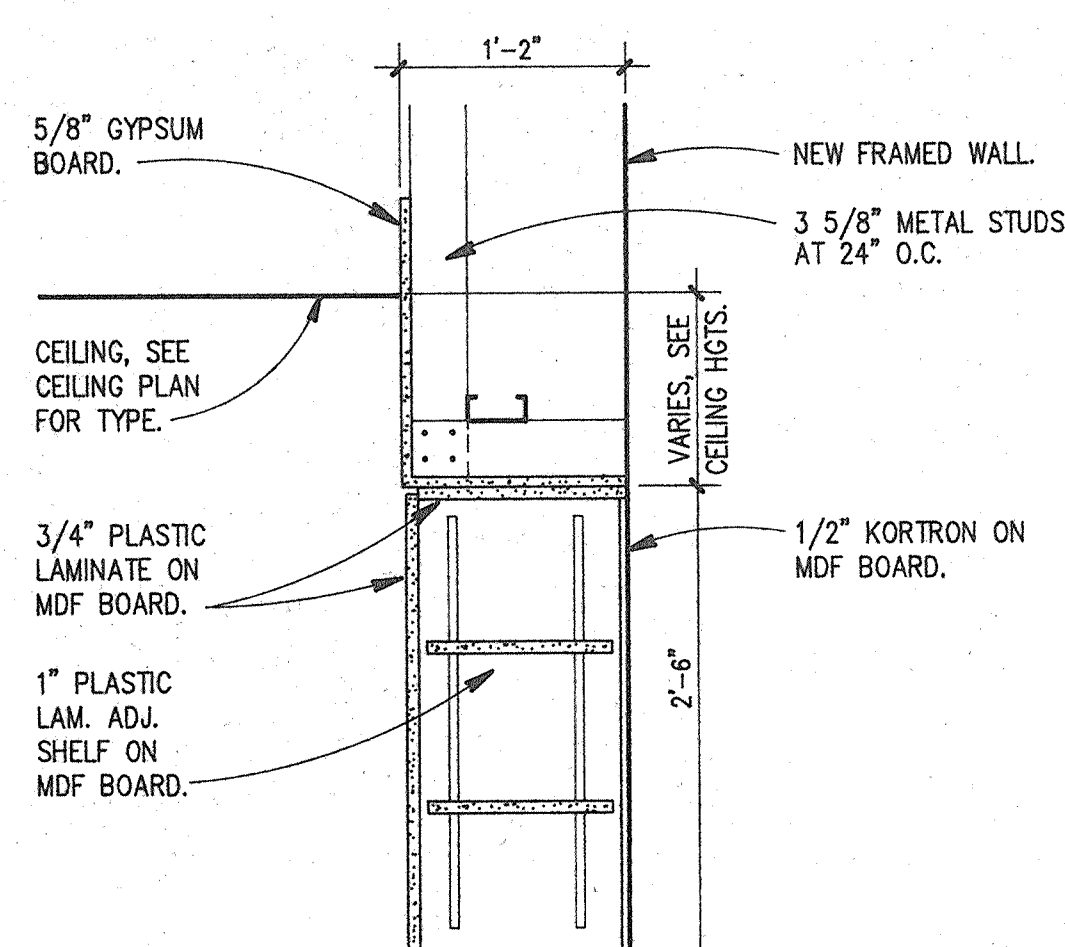
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24 CABINET DETAIL  
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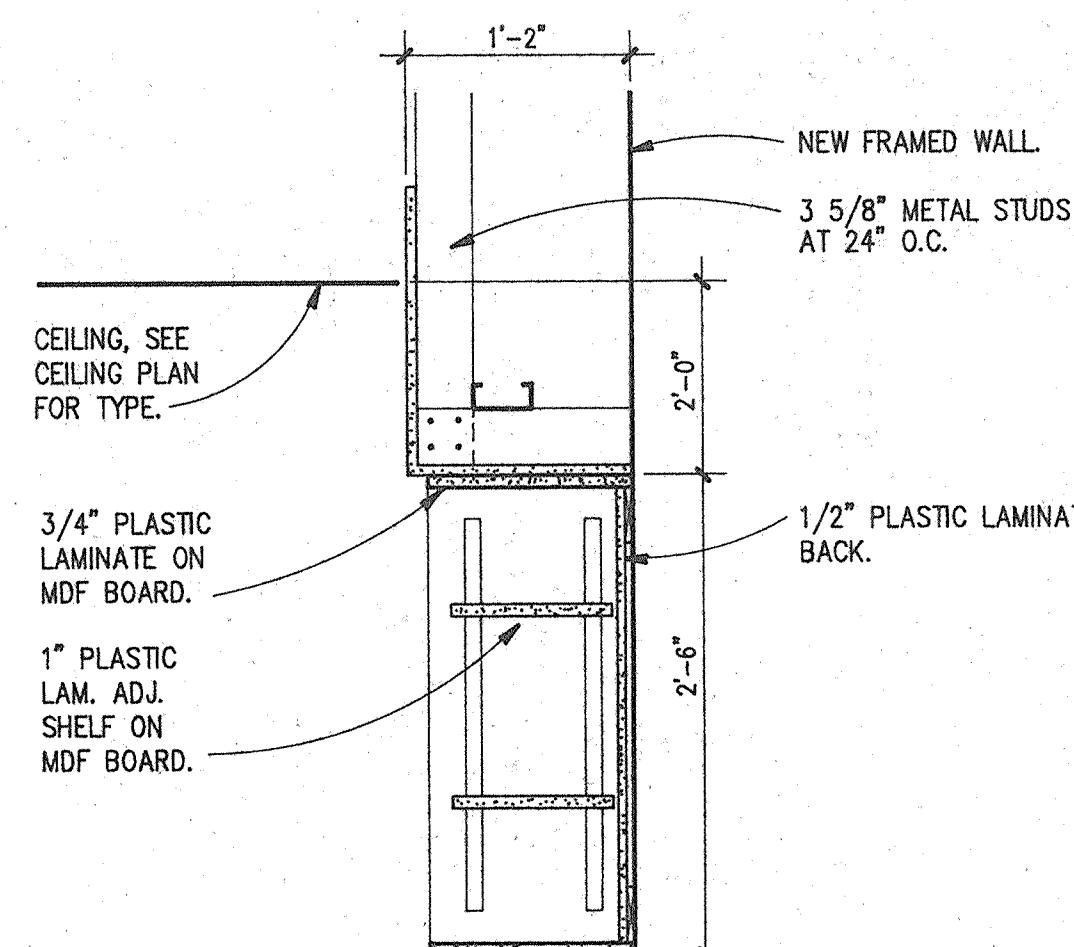
NOTE: ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE UNLESS NOTED OTHERWISE.

23 CABINET DETAIL  
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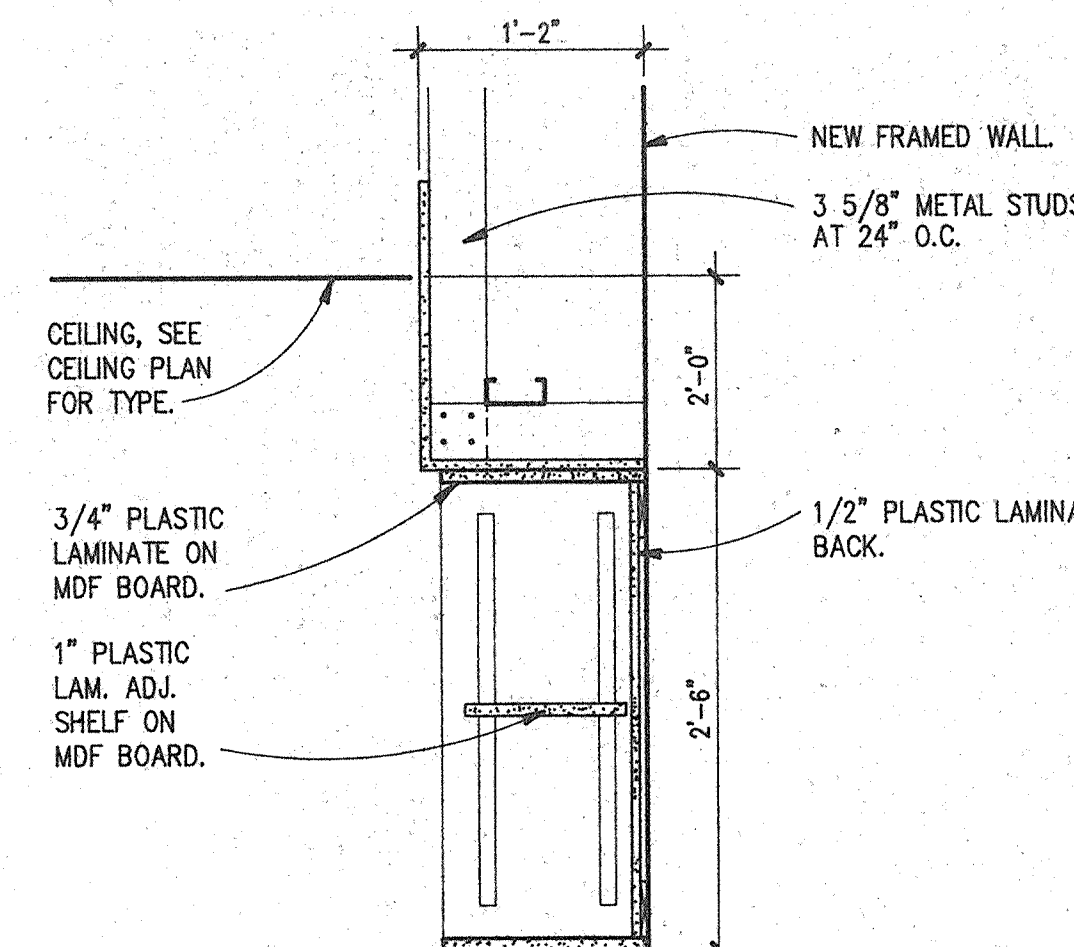


NOTE: ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE UNLESS NOTED OTHERWISE.

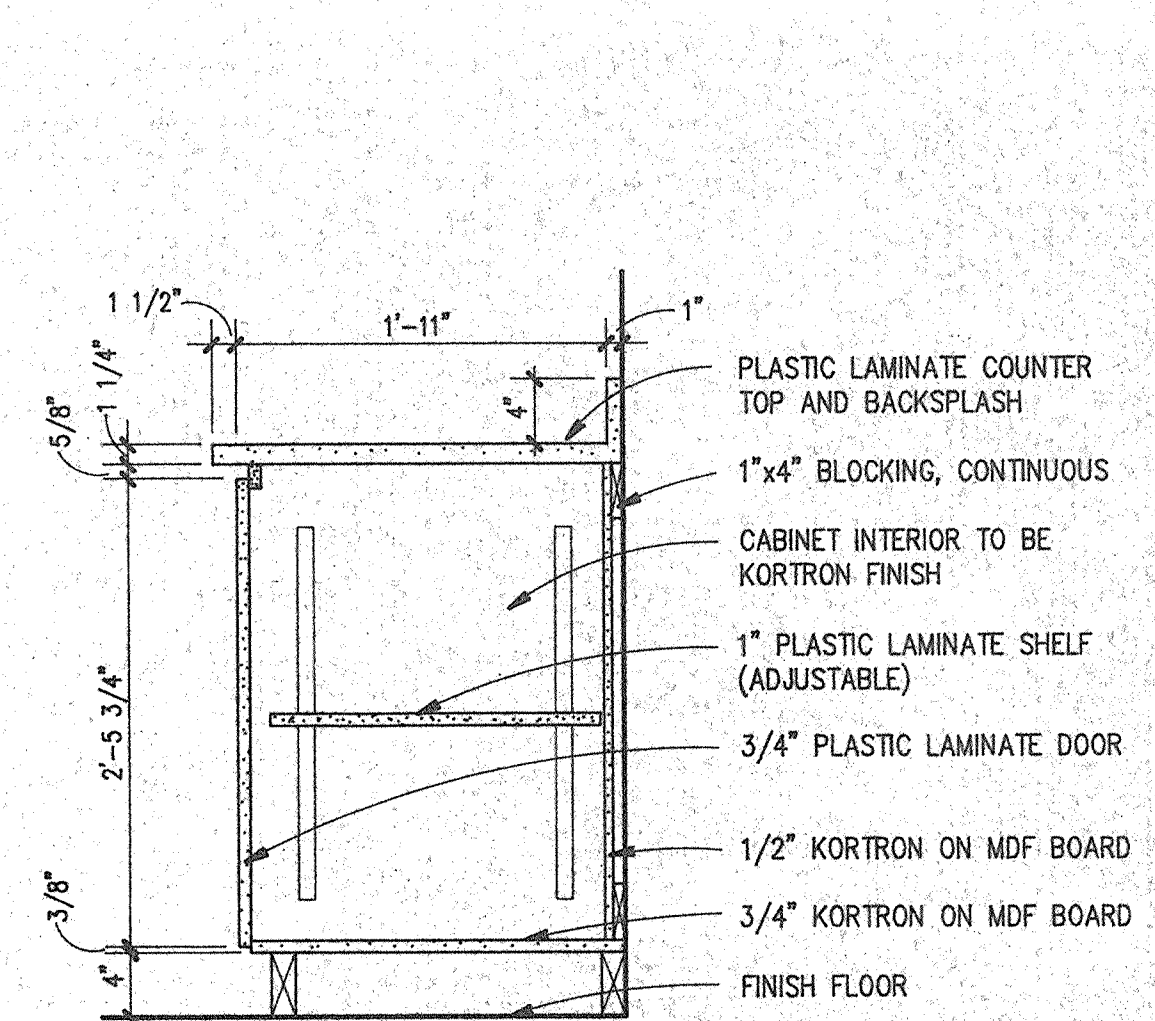
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21 CABINET DETAIL  
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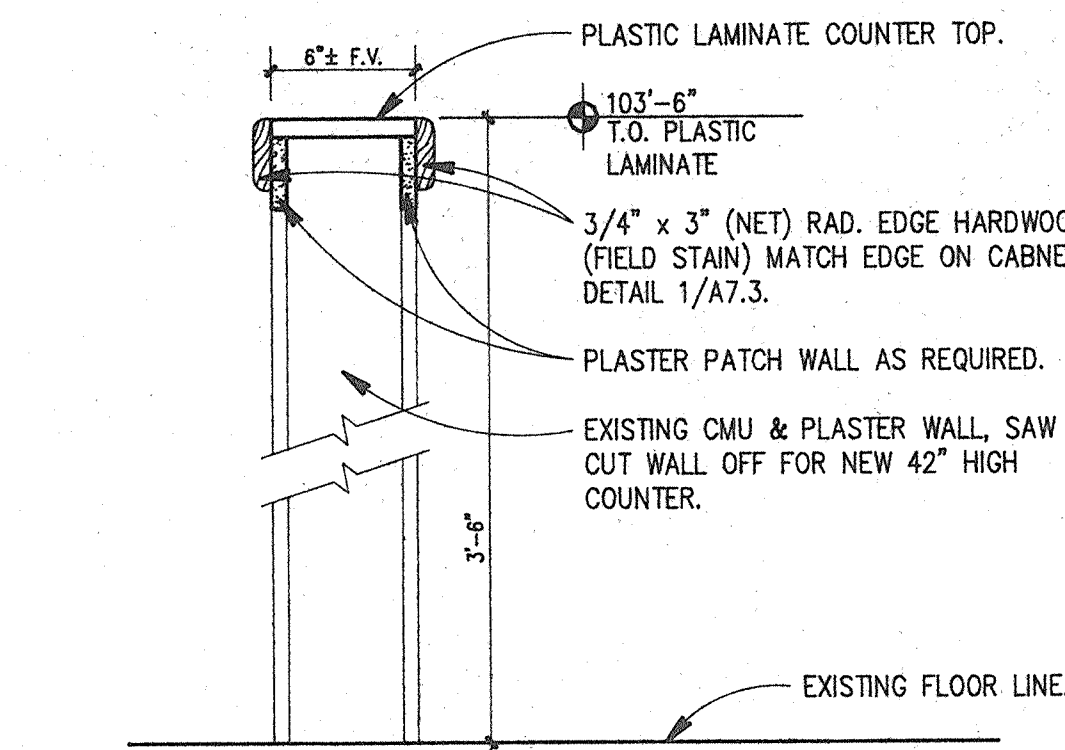


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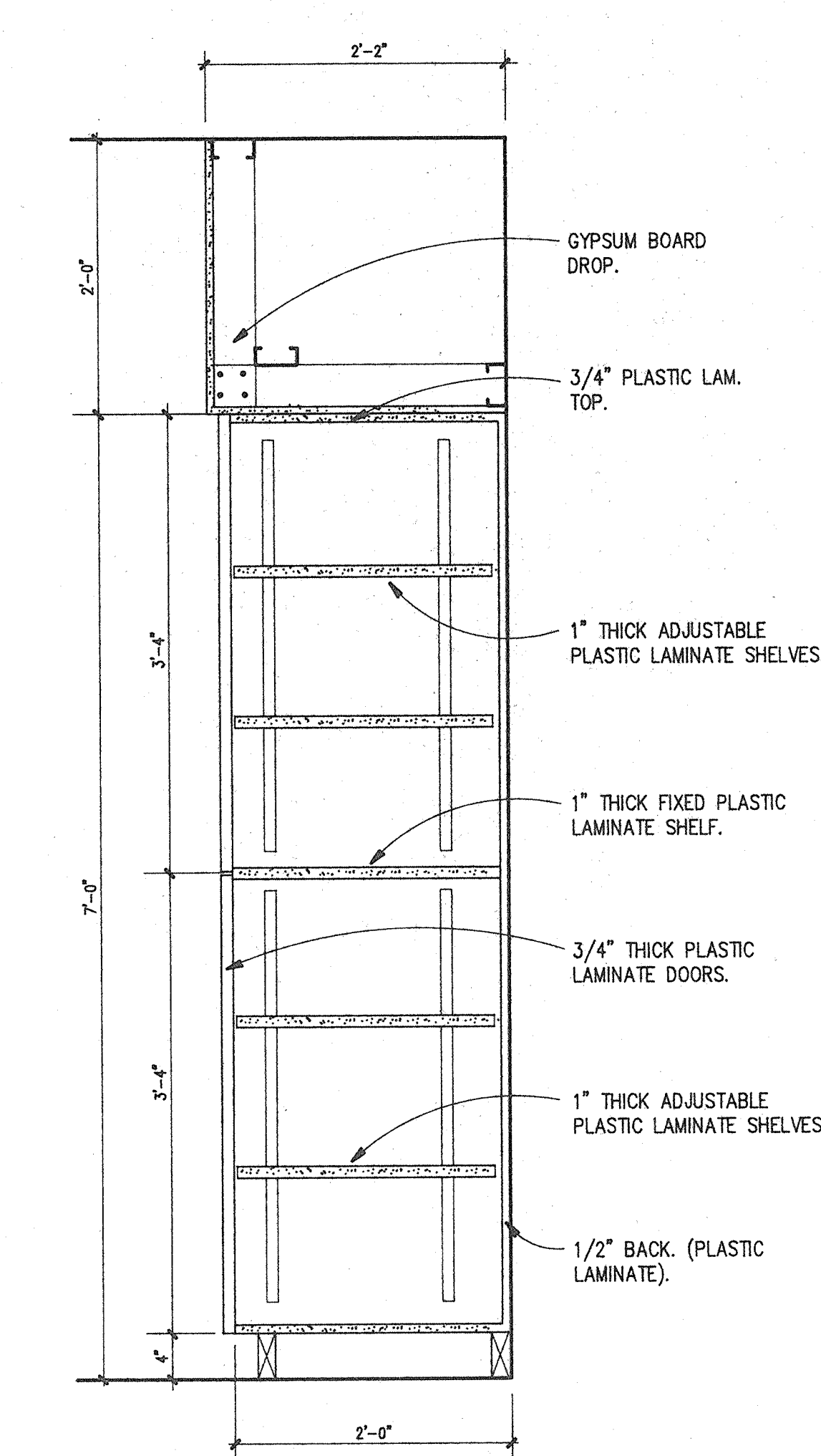


NOTE: ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE.

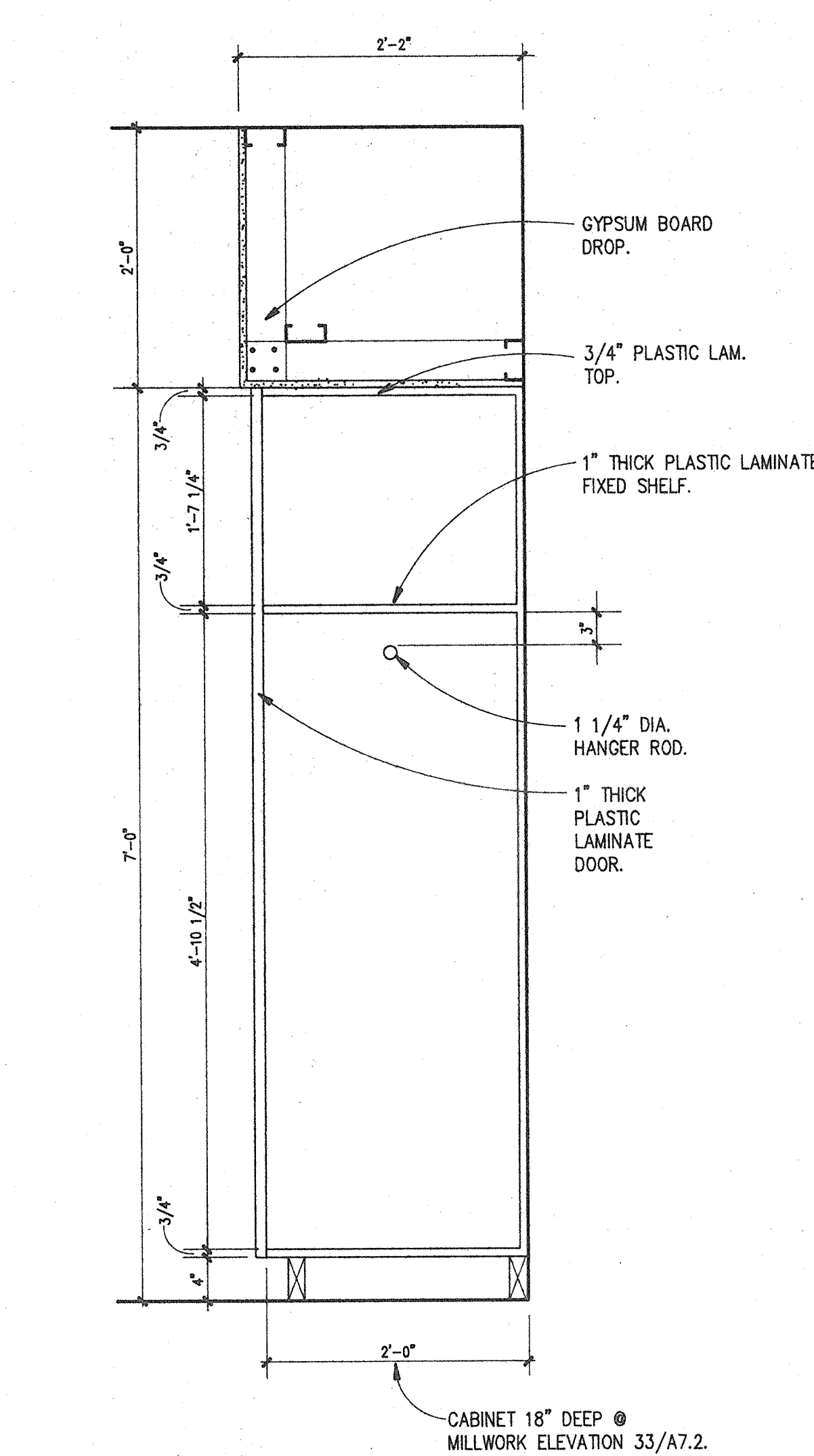
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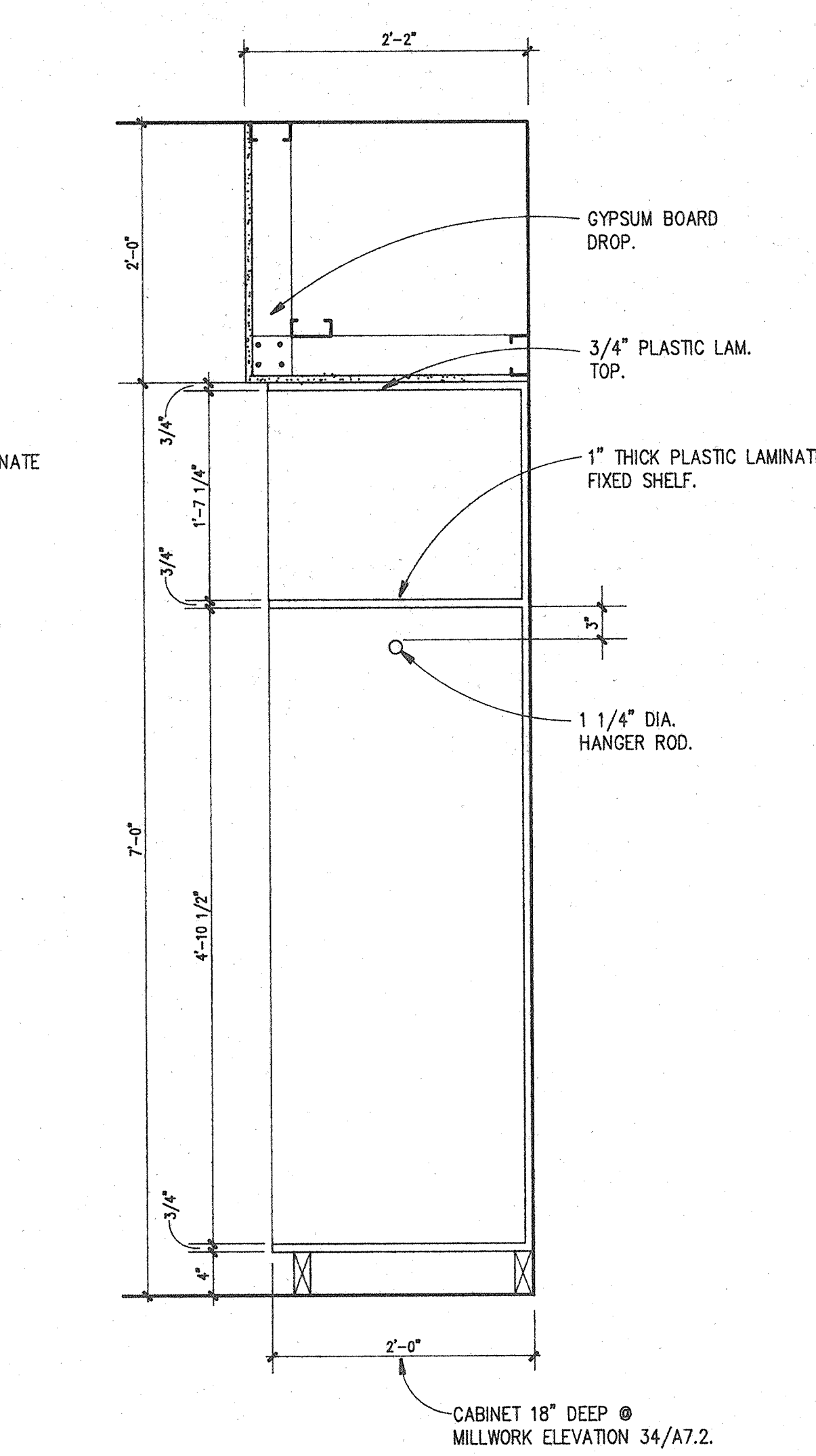
30 DETAIL  
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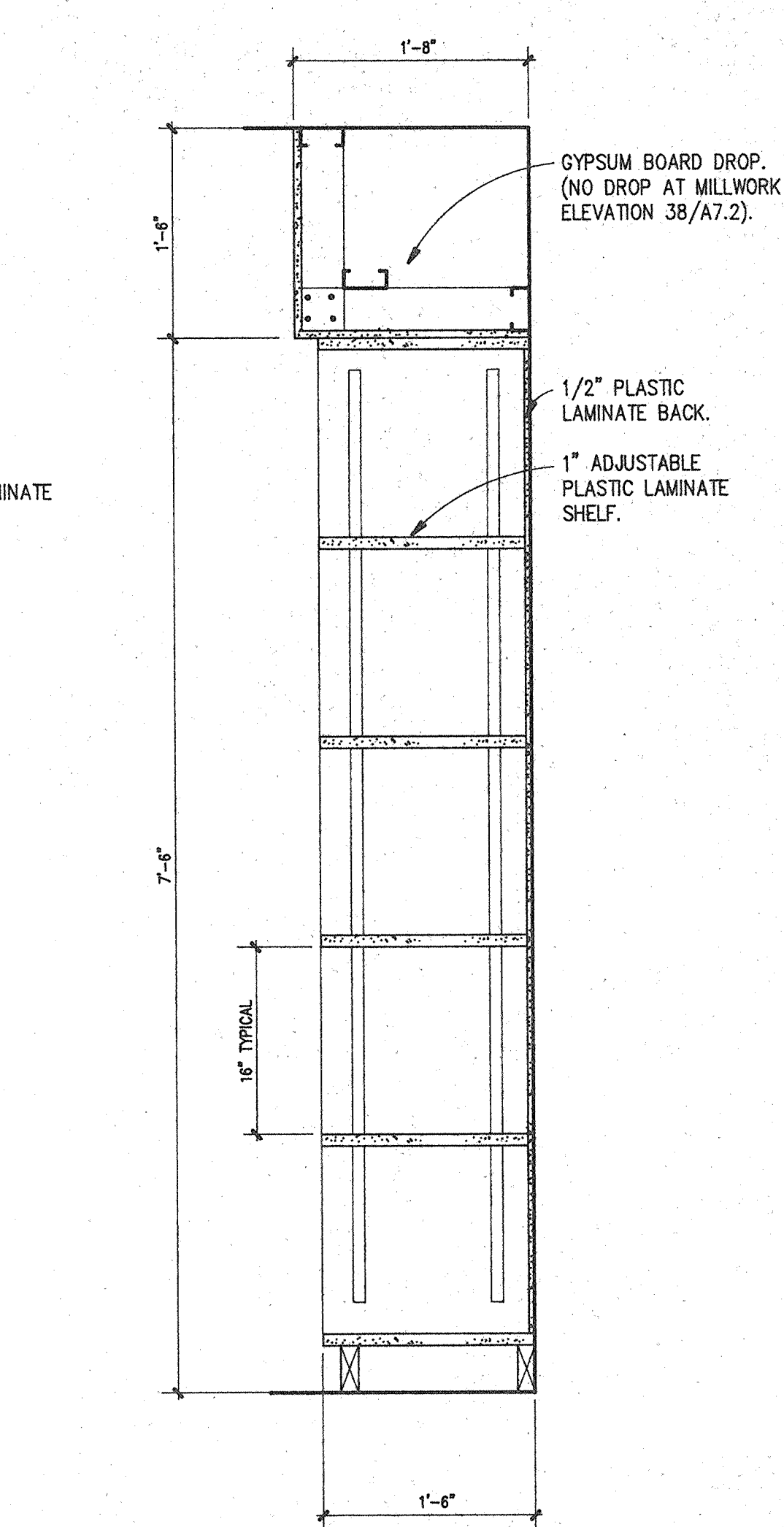
29 CABINET DETAIL  
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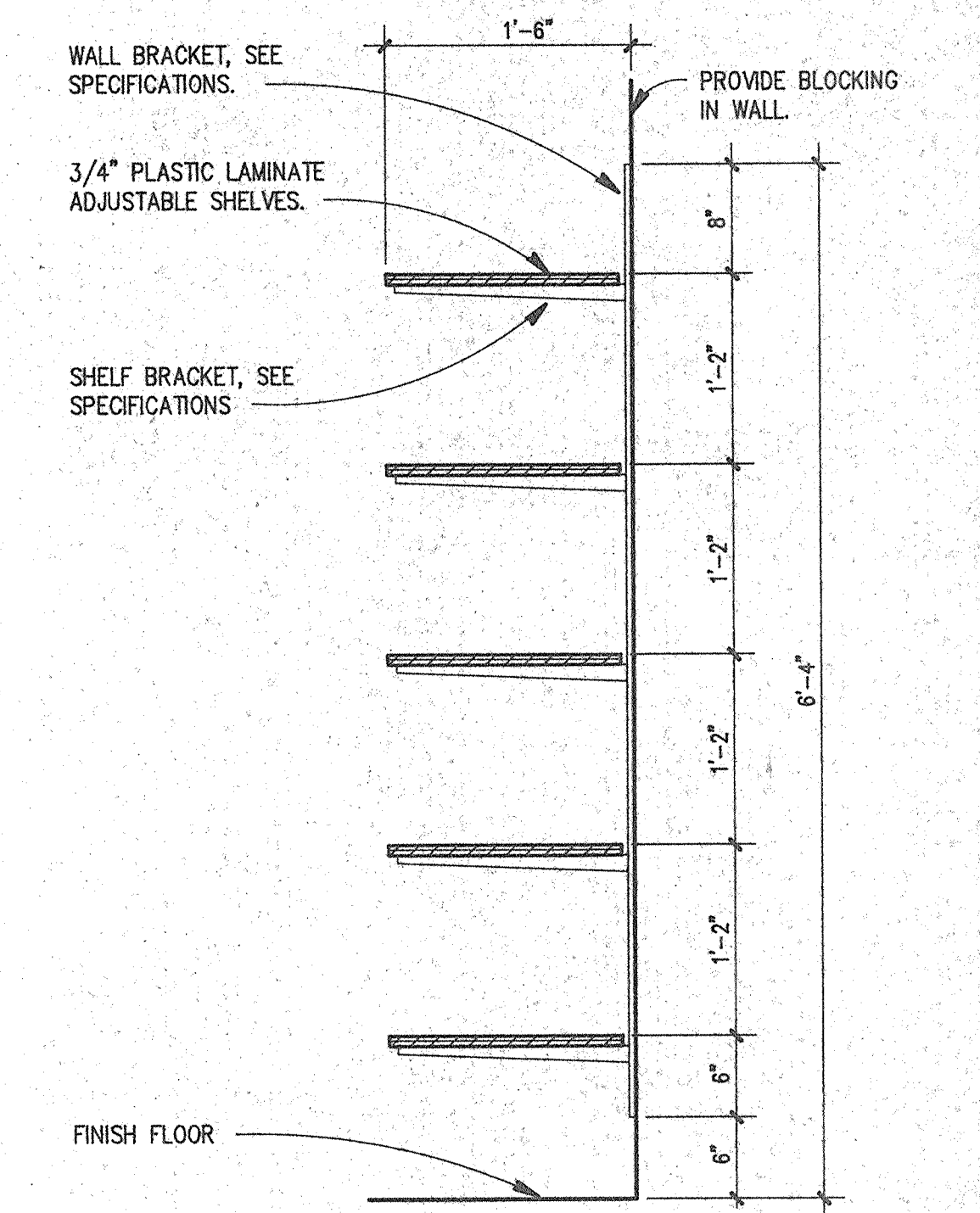
28 CABINET DETAIL  
SCALE: 1"=1'-0"



27 CABINET DETAIL  
SCALE: 1"=1'-0"



26 CABINET DETAIL  
BID ALTERNATE #1  
SCALE: 1"=1'-0"



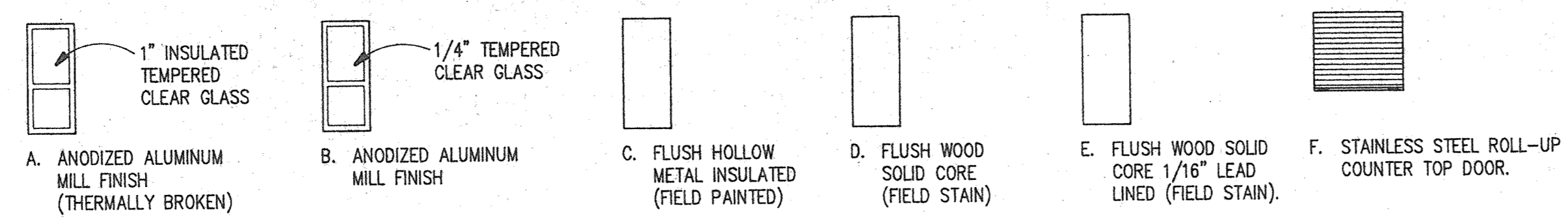
25 DETAIL  
SCALE: 1"=1'-0"

DOOR SCHEDULE

MARK	DOOR		FRAME		HARDWARE GROUP	FIRE RATING	REMARKS
	TYPE	PR/SING	TYPE	HEAD			
B10	D	S	A	H	10/AB.2	10/AB.2	20 MIN.
B11	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B12	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B13	H	S	H	A	7/AB.2	7/AB.2	1 HOUR
B14	D	S	D	A	20/AB.2	20/AB.2	20 MIN.
B15	D	S	D	A	7/AB.2	7/AB.2	1 HOUR
B16	H	S	H	A	10/AB.2	10/AB.2	1 HOUR
B17	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B18	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B19	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B20	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B21	D	S	D	A	7/AB.2	7/AB.2	1 HOUR
B22	D	S	D	A	7/AB.2	7/AB.2	1 HOUR
B23	D	S	D	A	7/AB.2	7/AB.2	20 MIN.
B24	H	S	H	A	23/AB.2	23/AB.2	1 HOUR
B25	K	S	J	J	24/AB.2	24/AB.2	1 HOUR
B26	K	S	J	J	24/AB.2	24/AB.2	1 HOUR
100	A	P	A	H	1/AB.2	4/AB.2	2/AB.2
101	P	B	H	B	3/AB.2	19/AB.2	-
102	C	S	C	C	5/AB.2	5/AB.2	2/AB.2
103	A	S	A	B	6/AB.2	6/AB.2	2/AB.2
104	C	S	C	B	21/AB.2	21/AB.2	2/AB.2
105	D	S	D	B	20/AB.2	20/AB.2	1 1/2 HOUR
106	D	S	D	B	20/AB.2	20/AB.2	1 1/2 HOUR
107	D	S	D	C	7/AB.2	7/AB.2	1 1/2 HOUR
108	D	S	D	B	7/AB.2	7/AB.2	-
109	D	S	D	A	7/AB.2	7/AB.2	-
110	D	S	D	C	7/AB.2	7/AB.2	1 1/2 HOUR
111	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
112	D	S	D	C	7/AB.2	7/AB.2	20 MIN.
113	D	S	D	B	7/AB.2	7/AB.2	-
114	-	-	-	-	-	-	-
115	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
116	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
117	E	S	E	C	22/AB.2	22/AB.2	20 MIN.
118	E	S	E	B	22/AB.2	22/AB.2	20 MIN.
119	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
120	E	S	E	C	22/AB.2	22/AB.2	20 MIN.
121	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
122	D	S	D	C	7/AB.2	7/AB.2	20 MIN.
123	D	S	D	B	7/AB.2	7/AB.2	1 HOUR
124	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
125	D	S	D	B	7/AB.2	7/AB.2	1 HOUR
126	D	P	D	H	7/AB.2	25/AB.2	1 1/2 HOUR
127	D	P	D	H	7/AB.2	25/AB.2	1 HOUR
128	D	S	D	B	7/AB.2	7/AB.2	1 HOUR
129	D	S	D	B	20/AB.2	20/AB.2	1 HOUR
130	D	P	D	H	7/AB.2	7/AB.2	1 1/2 HOUR
131	D	S	D	C	26/AB.2	26/AB.2	-
132	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
133	D	S	D	B	7/AB.2	7/AB.2	-
134	D	S	D	B	7/AB.2	7/AB.2	8/AB.2
135	D	S	D	B	7/AB.2	7/AB.2	8/AB.2
136	M	S	D	B	11/AB.2	11/AB.2	20 MIN.
137	D	S	D	B	7/AB.2	7/AB.2	8/AB.2
138	D	S	D	B	11/AB.2	11/AB.2	8/AB.2
139	D	S	D	B	11/AB.2	11/AB.2	8/AB.2
140	D	S	D	C	7/AB.2	7/AB.2	8/AB.2
141	D	S	D	B	7/AB.2	7/AB.2	-
142	D	S	D	C	7/AB.2	7/AB.2	8/AB.2
143	D	S	D	B	7/AB.2	7/AB.2	-
144	D	S	D	B	11/AB.2	11/AB.2	-
145	D	S	D	C	7/AB.2	7/AB.2	20 MIN.
146	D	S	D	B	7/AB.2	7/AB.2	-
147	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
148	M	S	D	B	11/AB.2	11/AB.2	20 MIN.
149	M	S	D	B	11/AB.2	11/AB.2	20 MIN.
150	D	S	D	B	21/AB.2	21/AB.2	20 MIN.
151	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
152	F	S	F	F	12/AB.2	15/AB.2	16/AB.2
153	G	S	G	G	13/AB.2	14/AB.2	-
154	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
155	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
156	D	S	D	C	26/AB.2	26/AB.2	1 1/2 HOUR
157	J	S	D	C	7/AB.2	7/AB.2	20 MIN.
158	D	S	D	B	7/AB.2	7/AB.2	-
159	J	S	D	C	7/AB.2	7/AB.2	20 MIN.
160	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
161	D	S	D	C	7/AB.2	7/AB.2	20 MIN.
162	D	S	D	B	7/AB.2	7/AB.2	-
163	-	-	-	-	-	-	NOT USED
164	L	P	D	H	7/AB.2	7/AB.2	-
165	A	S	A	A	5/AB.2 SIM.	5/AB.2 SIM.	2/AB.2
166	D	P	D	H	7/AB.2	7/AB.2	1 1/2 HOUR
167	D	S	D	B	7/AB.2	7/AB.2	-
168	D	S	D	B	7/AB.2	7/AB.2	8/AB.2
169	-	-	-	-	-	-	NOT USED
170	D	S	D	B	26/AB.2	26/AB.2	8/AB.2
171	D	P	D	E	7/AB.2	7/AB.2	-
172	D	P	D	E	7/AB.2	7/AB.2	-
173	D	S	D	B	7/AB.2	7/AB.2	20 MIN.
174	C	P	D	B	5/AB.2 SIM.	5/AB.2 SIM.	8/AB.2

SEE SPECIFICATIONS

DOOR TYPES (SCALE 1/8"=1'-0")



CONSTRUCTION

- A. ALUMINUM ANODIZED MILL FINISH (THERMALLY BROKEN)
- B. ALUMINUM ANODIZED MILL FINISH C. HOLLOW METAL INSULATED (FIELD PAINT)
- D. WOOD SOLID CORE (FIELD STAIN)
- E. HOLLOW METAL 1/16" LEAD LINED (FIELD PAINT)
- F. STAINLESS STEEL ROLL-UP DOOR (SEE SPECIFICATIONS)
- G. FOLDING PARTITION (SEE SPECIFICATIONS)
- H. HOLLOW METAL (FIELD PAINTED)
- J. STEEL CONSTRUCTION (FIELD PAINTED)

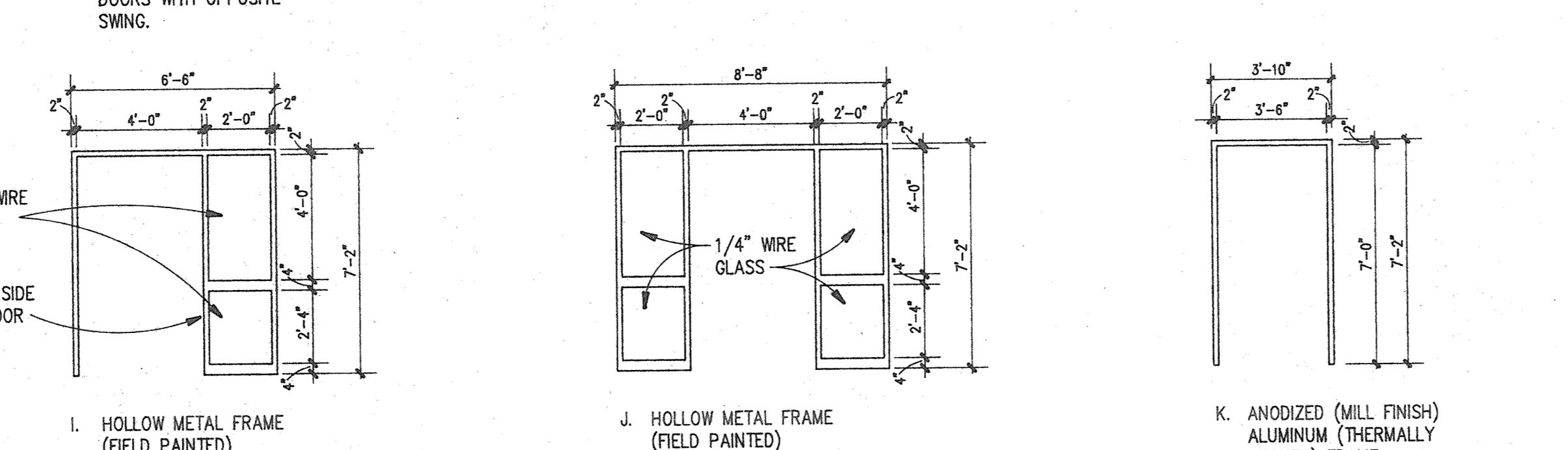
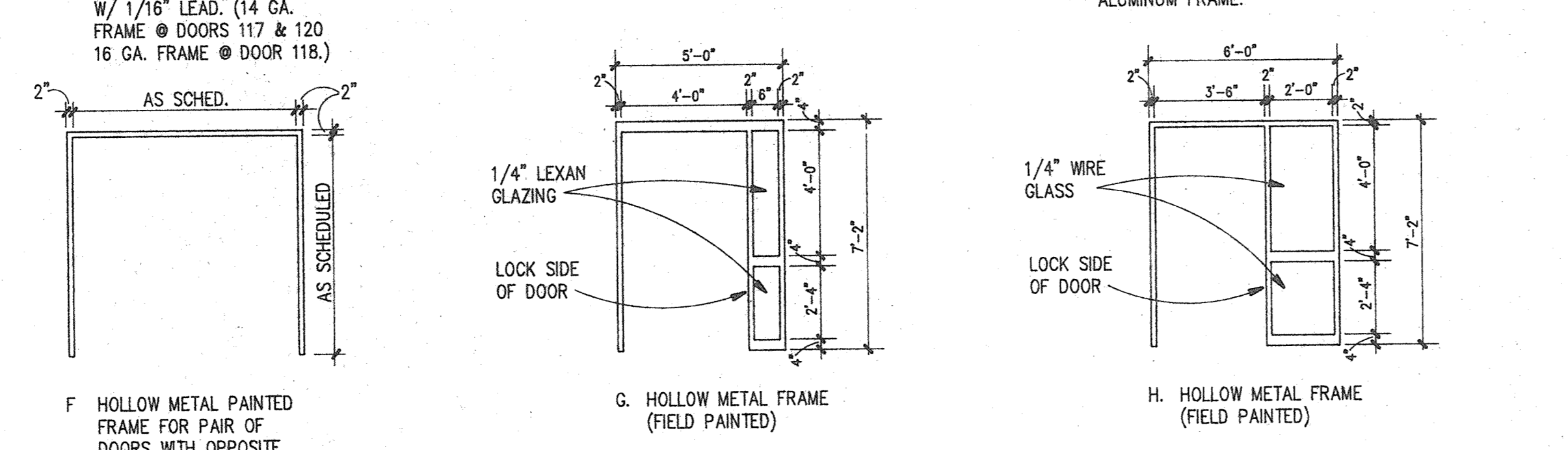
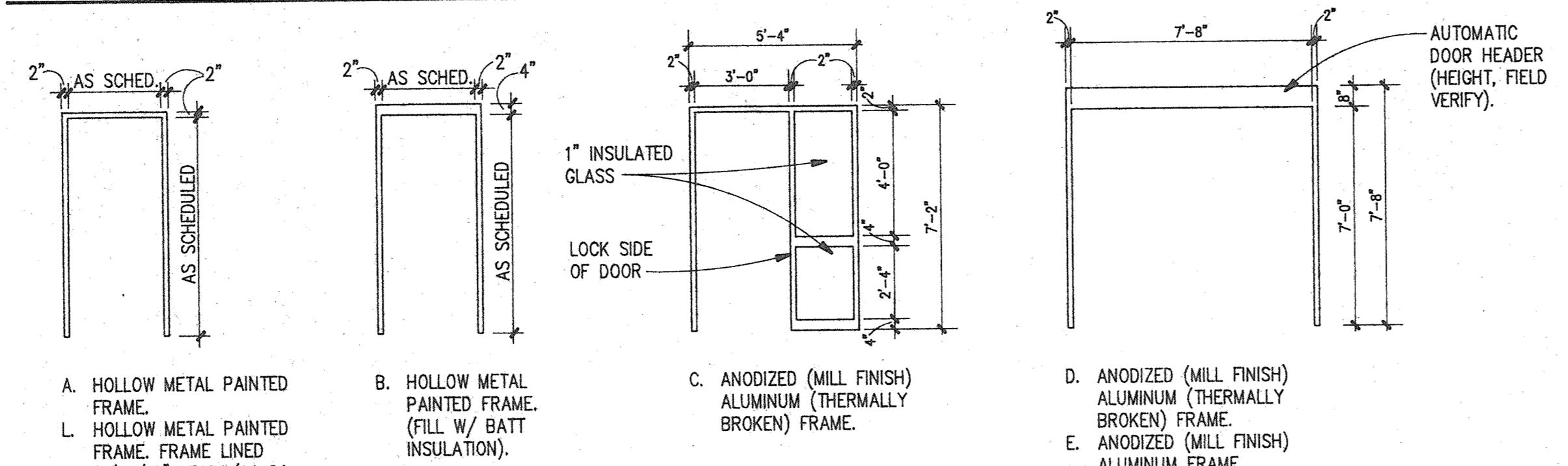
SIZE

- A. 3'-6" x 7'-0" x 1 3/4"
- B. 3'-0" x 7'-0" x 1 3/4"
- C. 4'-0" x 7'-0" x 1 3/4"
- D. 2'-6" x 7'-0" x 1 3/4"
- E. 2'-0" x 7'-0" x 1 3/4"
- F. 5'-7 3/4" x 5'-0"
- G. 21'-8 1/4" V. x 8'-0"
- H. 3'-10" x 7'-0" x 1 3/4"
- I. 30" x 30"

DOOR KEY NOTES

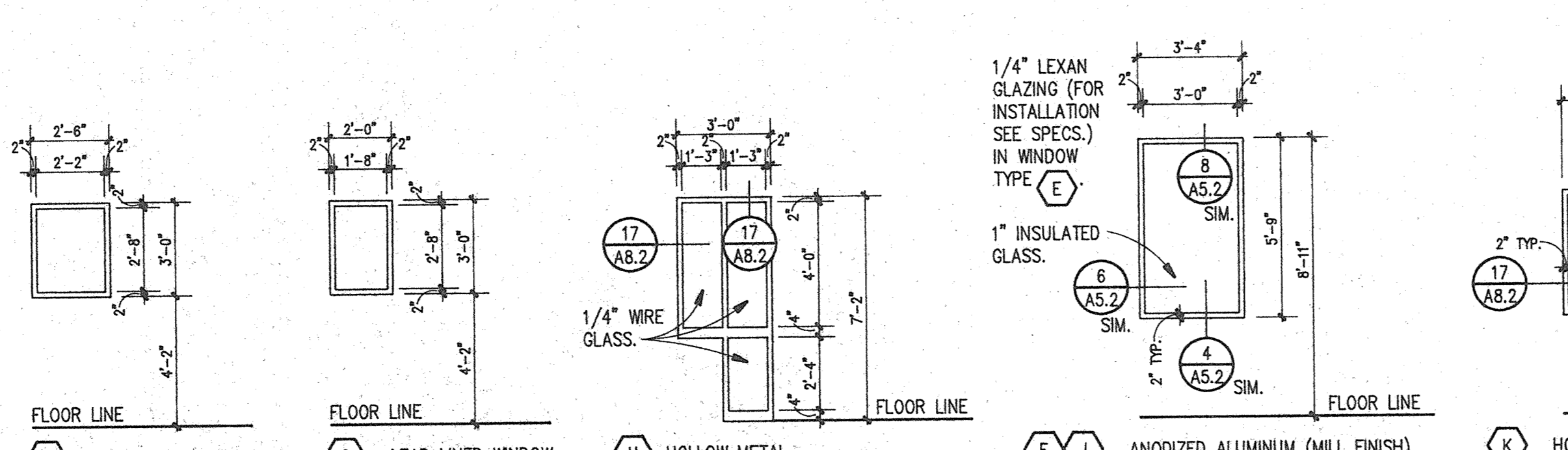
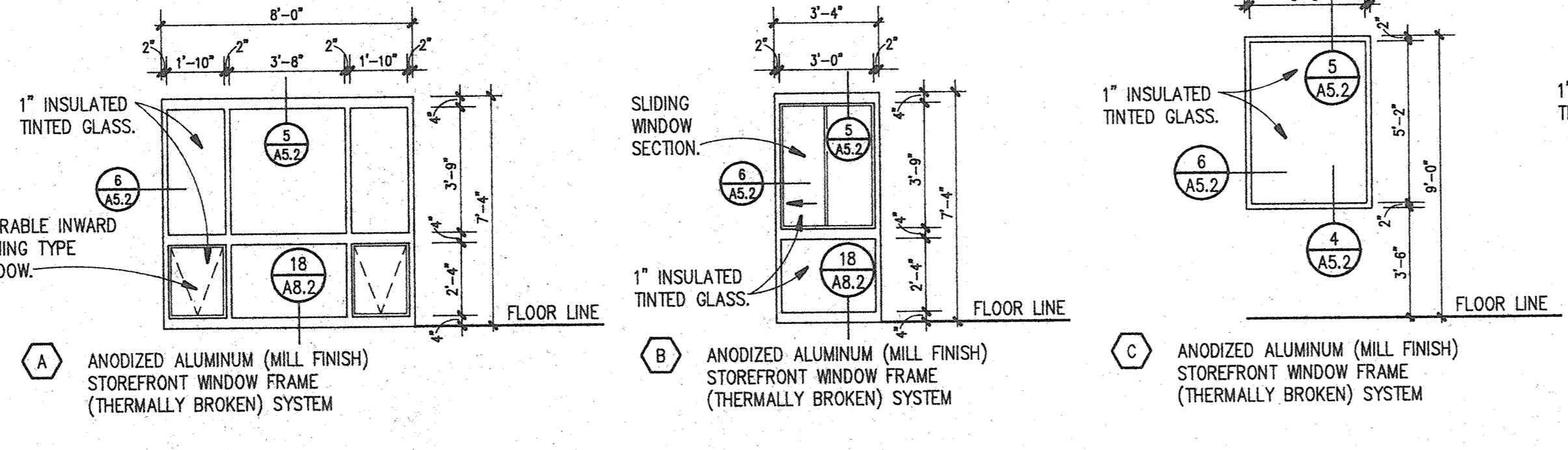
- 1. DOOR & FRAME TO BE 1/16" THICK LEAD LINED.
- 2. DARKROOM DOOR - SEE SPECIFICATIONS.
- 3. USE MANUFACTURER'S STD. STAINLESS STEEL TRACKS. (SEE SPECIFICATIONS).
- 4. SEE SPECIFICATIONS FOR JAMB & HEAD HEAD HARDWARE.
- 5. PROVIDE DOOR SOUND SEALS, SEE DETAILS 8/AB.2 & 9/AB.2
- 6. FRAME PART OF DOOR, MILCOR MODEL 30202-038(M)

FRAME TYPE (SCALE 1/4"=1'-0")



WINDOW TYPE (SCALE 1/4"=1'-0")

NOTE: FOR REWORK OF EXISTING ENTRY DOORS AND STOREFRONT WINDOW SYSTEM SEE NOTES ON SHEET A1.1. FIELD VERIFY EXTENT OF FRAME & GLAZING CHANGES BEFORE SUBMITTING BID.



FLOOR (SEE SHEET F-1 FOR CARPET TYPES AND PATTERNS)

- F-1 GLUE DOWN CARPET
- F-2 SHEET VINYL WITH WELDED SEAMS (TYPE 1)
- F-3 SHEET VINYL (TYPE 1)
- F-4 EXISTING FLOOR COVERING
- F-5 SEALED CONCRETE
- F-6 CERAMIC TILE 2" x 2"
- F-7 ENTRY MATTING, RECESSED WITH SHEET VINYL (SHEET VINYL TYPE 1-F-2)
- F-8 SHEET VINYL (TYPE 2)
- F-9 CARPET BORDER ACCENT (GLUE DOWN).
- F-10 CONCRETE

WALLS

- W-1 POURED CONCRETE.
- W-2 PAINTED (GYPSUM BOARD)
- W-3 PAINTED CONCRETE FROM ELEVATION
- W-4 EXISTING TO REMAIN.
- W-5 PAINTED GYPSUM BOARD. INSTALL NEW WOOD STAINED CHAIRRAIL AT 2'-8" FROM B.O. CHAIRRAIL TO T.O. FLOOR. USE MOLDING EQUAL TO HUETTER MILL # HM 192 (5/8" x 2 1/4"). W/ VINYL BORDER. (SEE SHEET F1.1 FOR MATERIALS & LOCATION ON WALL)
- W-6 EXPOSED CONCRETE & CMU.
- W-7 PAINTED GYPSUM BOARD, (ACCENT COLOR).
- W-8 MULTI-COLORED PAINT.

FINISH SCHEDULE GENERAL NOTES

- 1. SEE SHEETS D1, A1.1 & A1.2 FOR ADDITIONAL FINISHES REQUIRED FOR WALLS AND FLOORS.
- 2. SEE SHEETS AS.1 & AS.2 FOR ADDITIONAL PATCHING AND PATCHING AT CEILINGS.
- 3. SEE SHEETS F1.1 & F1.2 FOR CARPET TYPES & PATTERNS.

FINISH KEY NOTES

- 1. PATCH FLOOR @ BASE TO MATCH EXISTING STERILE CORRIDOR FLOOR. PATCH FLOOR @ NEW DOORWAY.
- 2. LAY SHEET VINYL ON FLOOR BEFORE INSTALLING CERAMIC TILE BASE.
- 3. CEILING OPEN TO STRUCTURE.
- 4. STAIR CEILING @ UPPER FLOOR. @ ELEVATION 109'-0".
- 5. SEE ENLARGED PLAN DETAIL ON A2.1 FOR WALL CERAMIC TILE. (CERAMIC WALL TILE "SEE SCHEDULE ON F1.1 FOR COLOR W-9).
- 6. CEILING OPEN TO ROOF STRUCTURE.
- 7. NOT USED
- 8. GLOSET IN L.D.R.P. ROOM SHALL HAVE SAME FLOOR & BASE FINISH AS L.D.R.P. ROOM. CEILING TO BE 8'-0" HIGH SUSPENDED GYPSUM BOARD, WALLS & CEILING TO BE PAINTED GYPSUM BOARD.
- 9. SEE KEY NOTE #11 ON SHEET A1.2 FOR WALL CERAMIC TILE.
- 10. PATCH WALLS FROM REMOVAL DAMAGE OF EXISTING 5'-0" HIGH WALL VINYL.
- 11. DO NOT REPAINT CEILING, ONLY REPAINT WEST WALL TO MATCH EXISTING.
- 12. REBUILD CEILING AREA WHERE SMALL TOILET ROOM WAS REMOVED.
- 13. PATCH WALLS FLOOR AND CEILING DUE TO DEMOLITION.
- 14. 4'-0" HIGH CERAMIC TILE ON WALL. (ENTIRE NORTH WALL & NORTHERN MOST FOUR FEET OF EAST AND WEST WALLS).
- 15. PAINT HANDRAILS & EXPOSED STAIR METAL SAME COLOR AS DOOR FRAMES.
- 16. 4" COVED RUBBER BASE (B-3) AT NORTH AND EAST WALLS ONLY.
- 17. OPEN TO FLOOR STRUCTURE ABOVE.
- 18. 4" COVED RUBBER BASE (B-3) AT NORTH WALL ONLY.
- 19. 6'-0" HIGH CERAMIC TILE WAINSCOT ON NORTH WALL ONLY.
- 20. USE EPOXY PAINT.
- 21. WALL COLOR TO BE SAME AS L.D.R.P. ROOM ABOVE THE CHAIRRAIL.
- 22. CERAMIC TILE BASE COLOR TO BE SAME AS WALL CERAMIC TILE COLOR.
- 23. THIN SET FLOOR TILE, DEMO. FLOOR AS REQUIRED TO INSTALL SLOPE TO NEW SHOWER FLOOR DRAIN.
- 24. MIN. CLEAR HEIGHT 11'-6" TO B.O. STRUCTURE.

FINISH SCHEDULE GENERAL NOTES

- 1. SEE SHEET F1.1 FOR MATERIALS SELECTED. (COLOR SCHEDULE).

BASE

- B-1 WOOD STAINED (1/2" x 4" NET) OAK STAINED.
- B-2 4" STRAIGHT RUBBER BASE (TYPE 1) NO BASE
- B-3 4" INTEGRAL COVED WELDED SEAM SHEET VINYL
- B-4 4" INTEGRAL COVED WELDED SEAM SHEET VINYL
- B-5 4" INTEGRAL COVED SHEET VINYL
- B-6 EXISTING
- B-7 4" COVED CERAMIC TILE
- B-8 4" COVED CARPET BASE W/ SEWN TOP EDGE
- B-9 4" COVED RUBBER BASE (TYPE 2)

CEILING HEIGHT

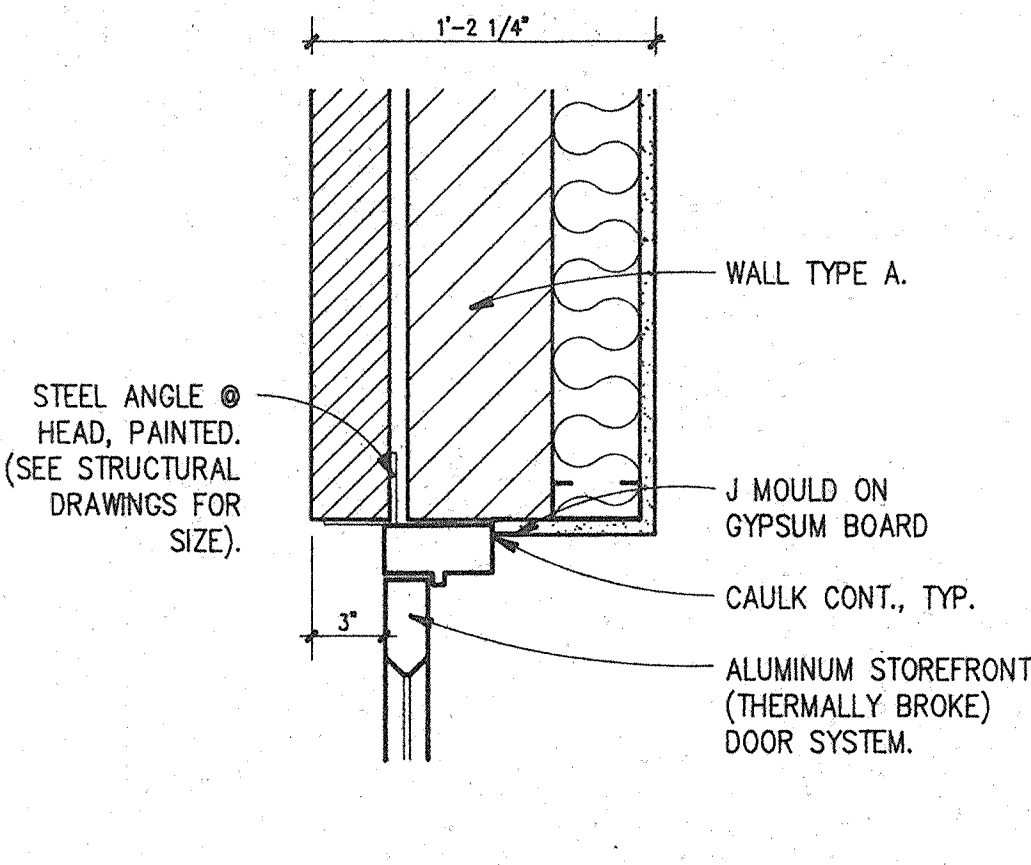
- CH-1 9'-0"
- CH-2 8'-6"
- CH-3 8'-0"
- CH-4 8'-0" MIN. SEE DETAILS E-A3.1 & E-A3.1
- CH-5 OPEN TO ROOF DECK/(FLOOR DECK).
- CH-6 8'-2"
- CH-7 9'-6"

CEILING

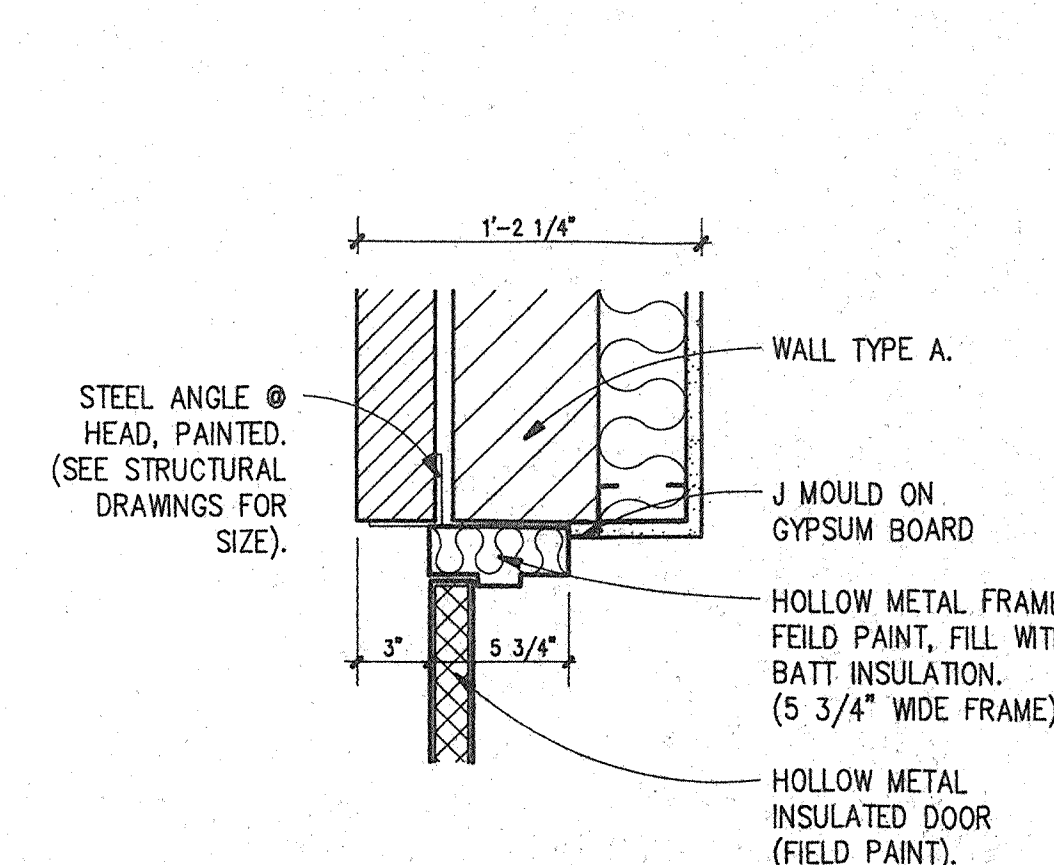
- C-1 NEW 2x2 T-BAR LAY-IN ACOUSTIC CEILING SYSTEM
- C-2 NEW 2x4 T-BAR LAY-IN ACOUSTIC CEILING SYSTEM
- C-3 NEW SUSPENDED GYPSUM BOARD CEILING WITH 12"x12" GLUE-ON CERAMIC TILES.
- C-4 OPEN
- C-5 EXISTING TO REMAIN (REPAINT).
- C-6 NEW 12"x12" GLUE-ON TILE PATCH EXISTING PLASTER CEILING AS BASE FOR TILE.
- C-7 PATCH EXISTING PLASTER CEILING (REPAINT).
- C-8 FIRST 10'-0" TO EAST POURED CONCRETE, REST OF CEILING TO BE PAINTED GYPSUM BOARD

FINISH SCHEDULE

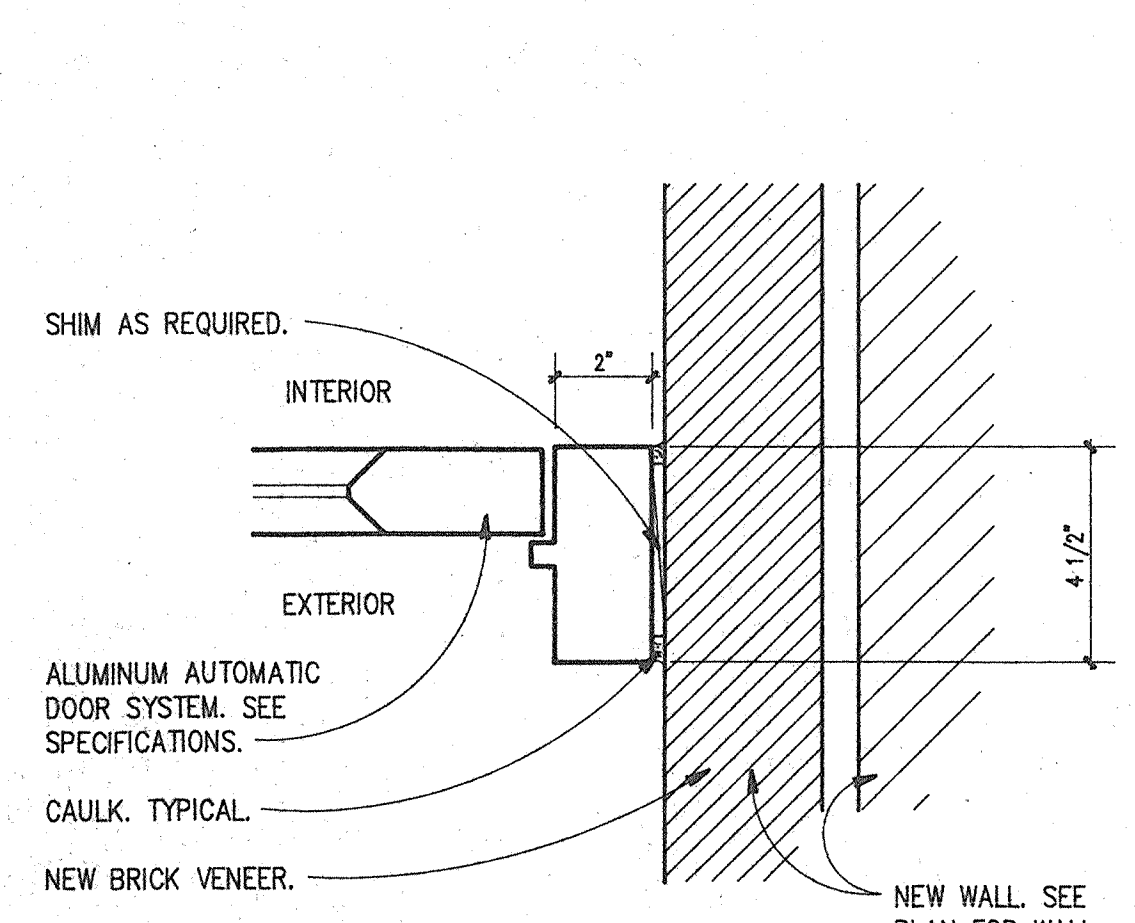
MARK	ROOM	NAME	WALLS				CEILING		MISC./KEYNOTES	
			FLOOR	BASE	NORTH	EAST	SOUTH	WEST		MATERIAL
B00	STAIR		F-5	B-7	W-3	W-3	W-3	C-2	-	1
B01	RESP. THERAPY		F-1	B-2	W-2	W-2	W-2	C-2	CH-1	1
B02	MEDICAL RECORDS		F-1/F-9	B-9	W-8	W-8	W-8	C-1,4,7	CH-1	1
B03	CORRIDOR		F-5	B-7/B-3	W-2	W-2	W-1	C-5	CH-5	1
B04	MECH. ROOM		F-5	B-7/B-3	W-2	W-2	W-1	C-5	CH-5	1
B05	STORAGE		F-5	B-7/B-3	W-2	W-2	W-1	C-5	CH-5	1
B06	CORRIDOR		F-5	B-7	W-1	W-1	W-1	C-9	CH-4	1
B07	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
B08	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
B09	STORAGE		F-5	B-3	W-2	W-2	W-2	C-5	CH-5	1
B10	ELEV. LOBBY		F-1	B-9	W-8	W-8	W-8	C-2	CH-2	1
B11	ELEV. EQUIP.		F-5	B-3	W-2	W-2	W-2	C-3	CH-3	1
B12	JAN.		F-5	B-3	W-2	W-2	W-2	C-3	CH-3	1
B13	PHYS. THERAPY		F-1	B-2	W-2	W-2	W-2	C-2	CH-1	1
100	VEST.		F-4	B-6	W-4	W-4	W-4	C-6	CH-1	1
101	WAITING		F-1/F-9	B-9	W-8	W-8	W-8	C-1,4,7	CH-1	1
102	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
103	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
104	LABORATORY		F-3	B-5	W-2	W-2	W-2	C-2	CH-1	1
105	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
106	MICROLAB		F-3	B-5	W-2	W-2	W-2	C-2	CH-1	1
107	CORRIDOR		F-1	B-9	W-8	W-8	W-8	C-2	CH-3	1
108	MAMMO.		F-1	B-9	W-8	W-8	W-8	C-2	CH-1	1
109	ULTRASOUND		F-3	B-5	W-2	W-2	W-2	C-2	CH-1	1
110	TOILET		F-6	B-8	W-2	W-2	W-2	C-3	CH-3	1
111	FILES/VIEW ROOM		F-1	B-2	W-2	W-2	W-2	C-2	CH-1	1
112	H.C.D.R.		F-1	B-2	W-2	W-2	W-2	C-2	CH-3	1
113	DARKROOM		F-3	B-5	W-7	W-7	W-7	C-3	CH-1	1
114	X-RAY		F-2	B-4	W-2	W-2				



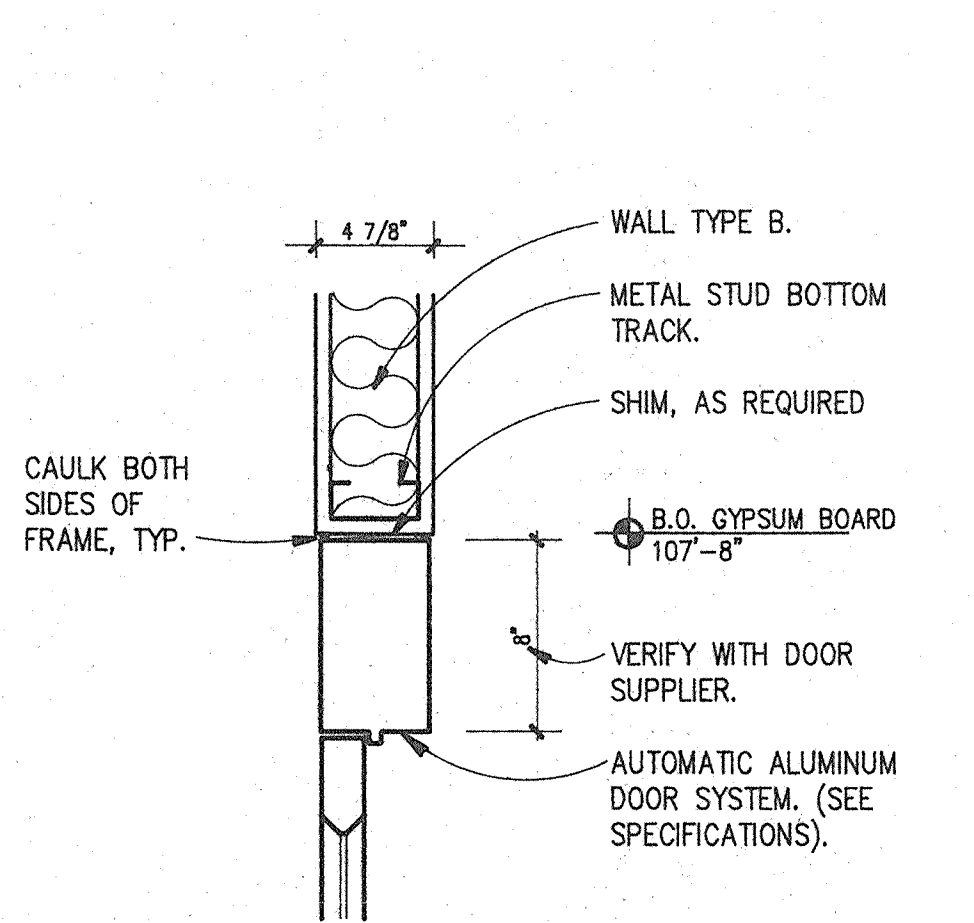
6 HEAD DETAIL (JAMB SIM.)  
SCALE 1 1/2"=1'-0"



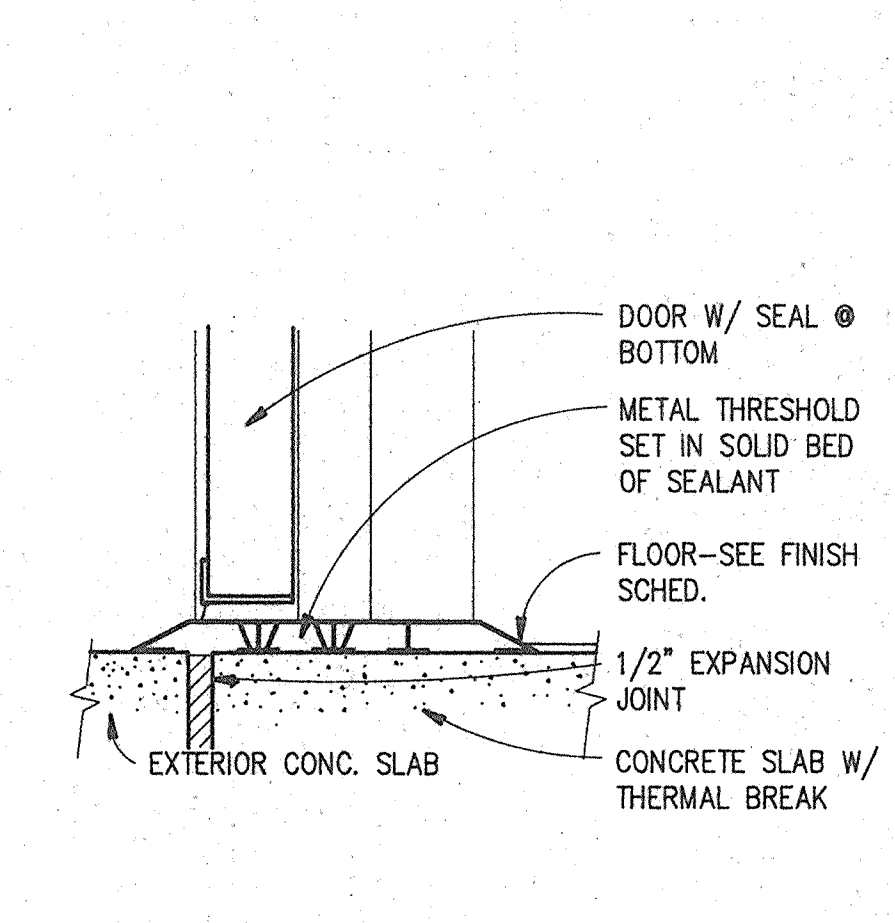
5 HEAD DETAIL (JAMB SIM.)  
SCALE 1 1/2"=1'-0"



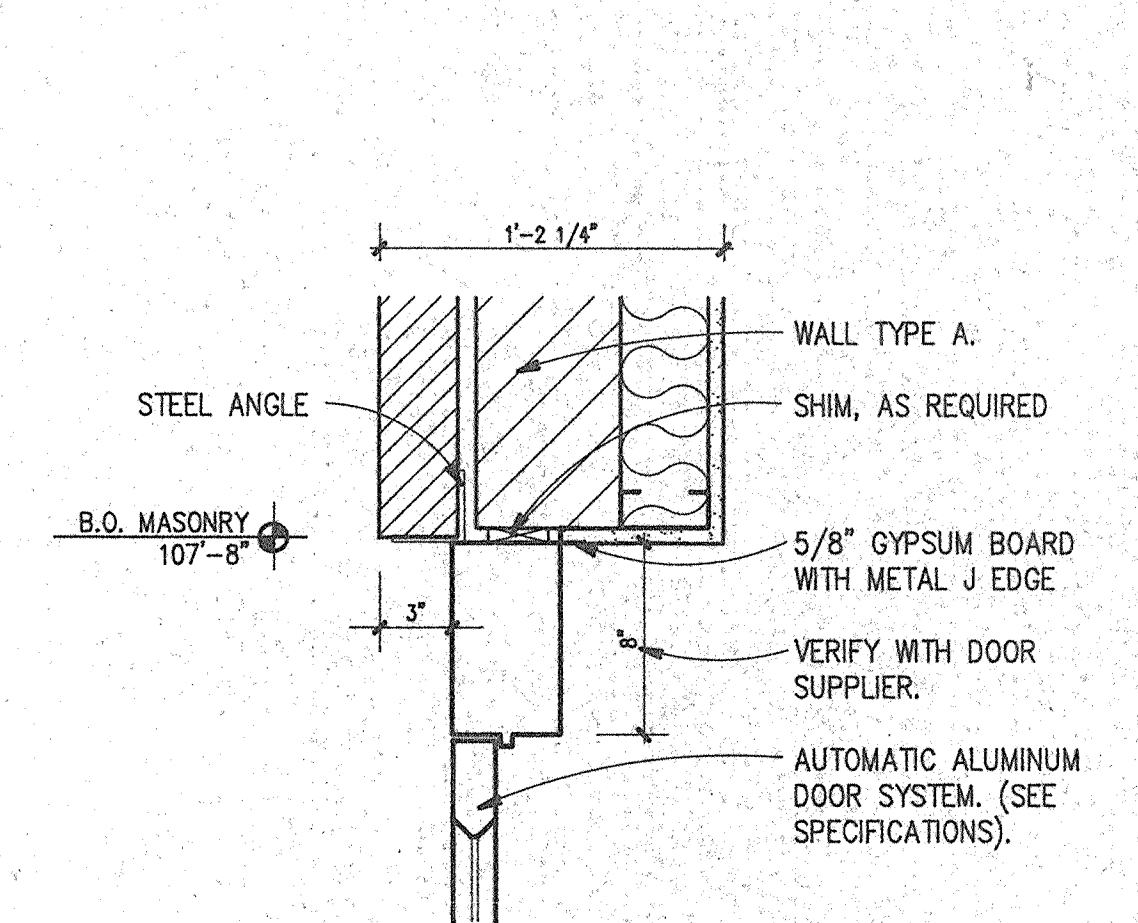
4 HEAD DETAIL  
SCALE 3"=1'-0"



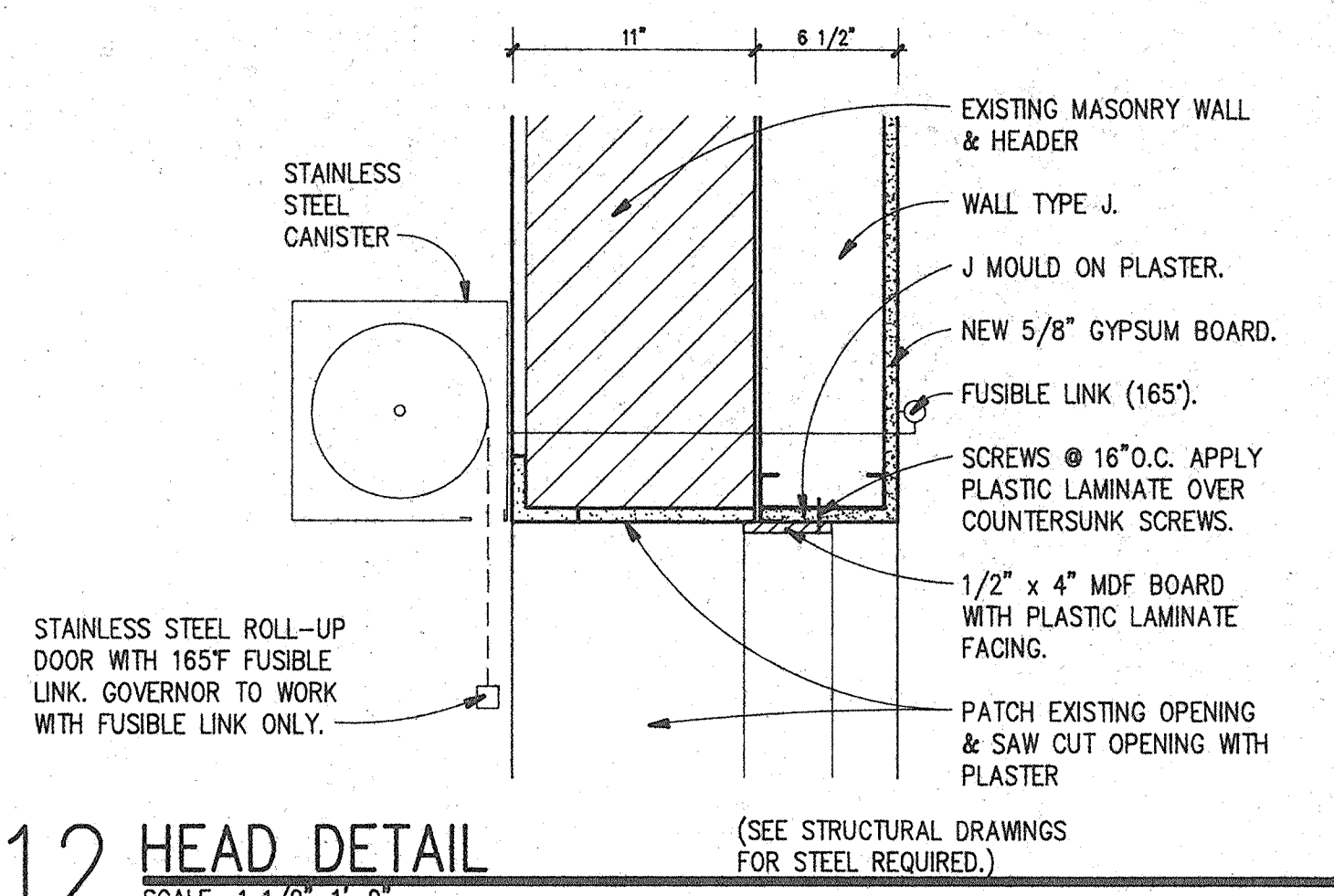
3 HEAD DETAIL  
SCALE 1 1/2"=1'-0"



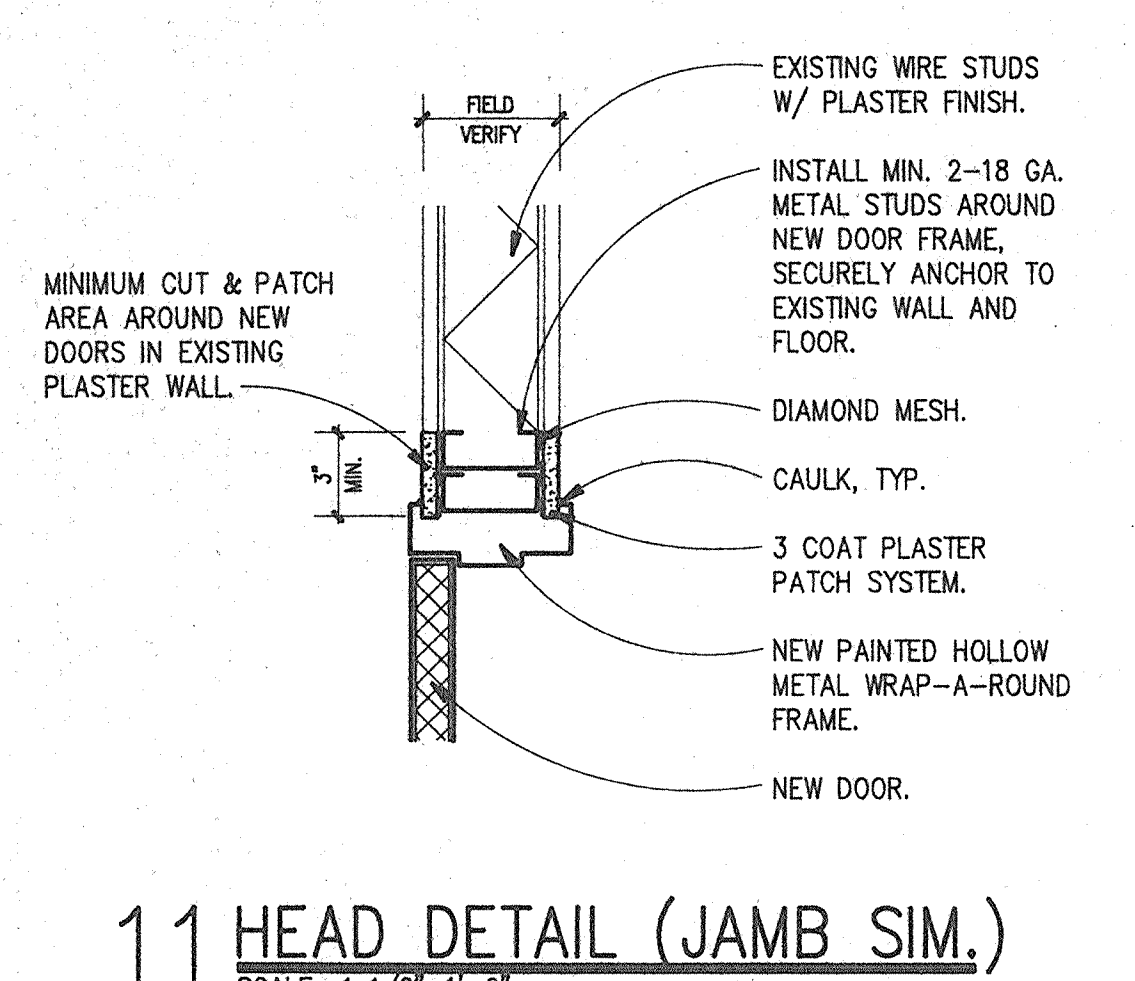
2 THRESHOLD  
SCALE 3"=1'-0"



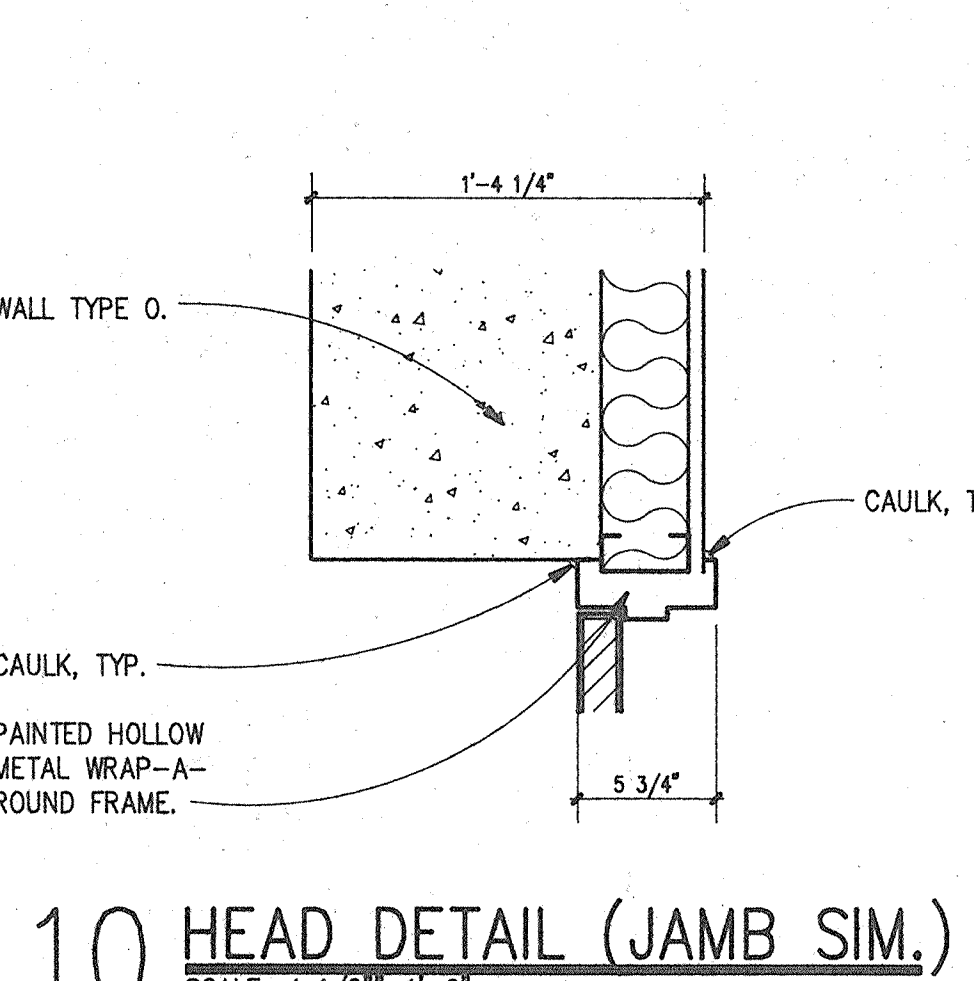
1 HEAD DETAIL  
SCALE 1 1/2"=1'-0"



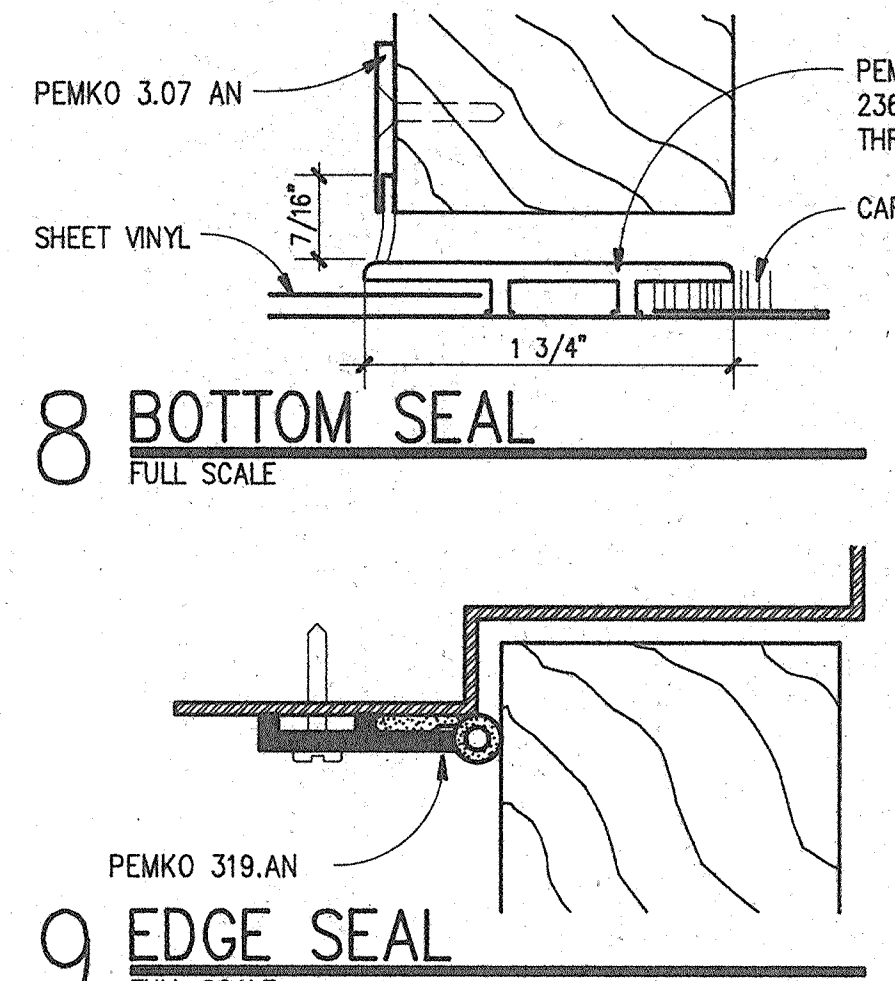
12 HEAD DETAIL  
SCALE 1 1/2"=1'-0"



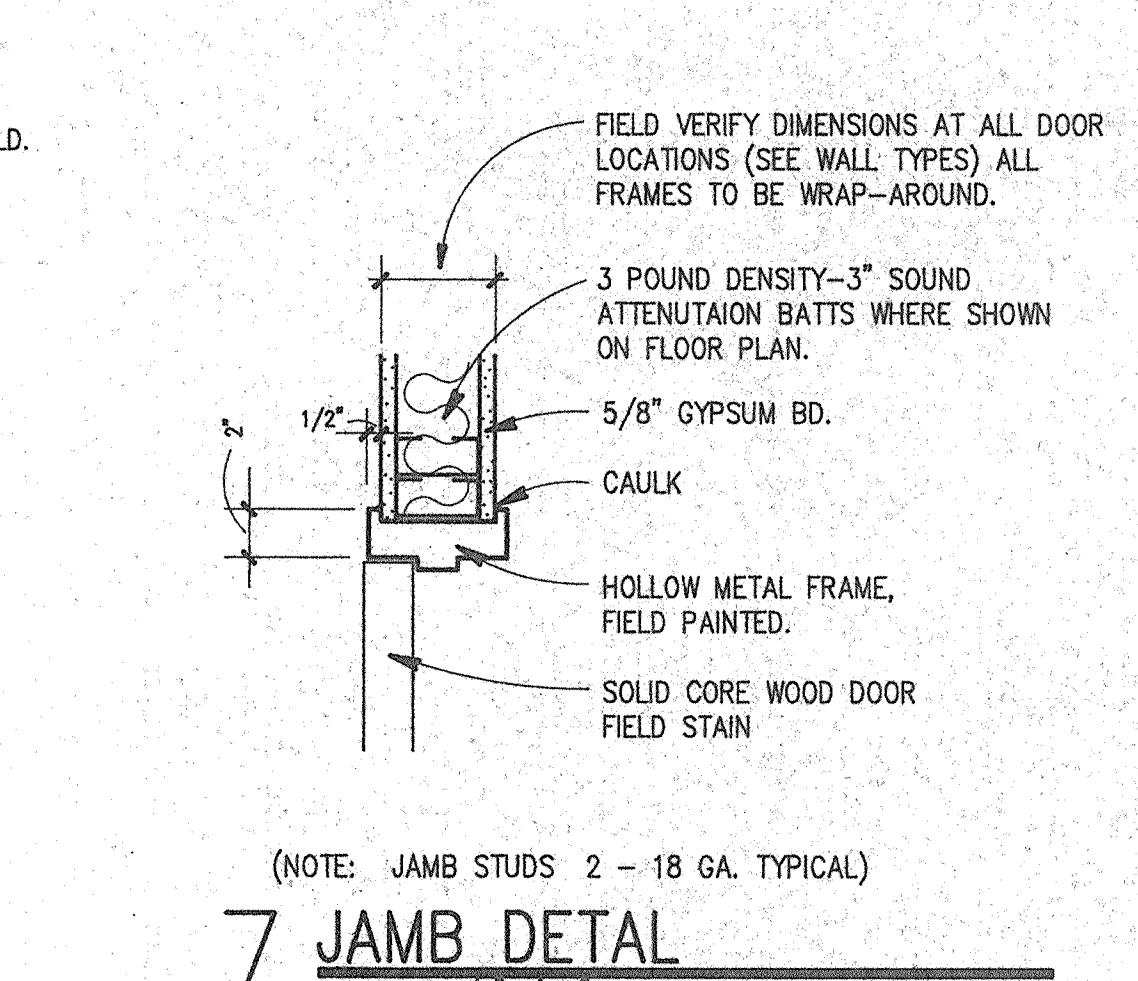
11 HEAD DETAIL (JAMB SIM.)  
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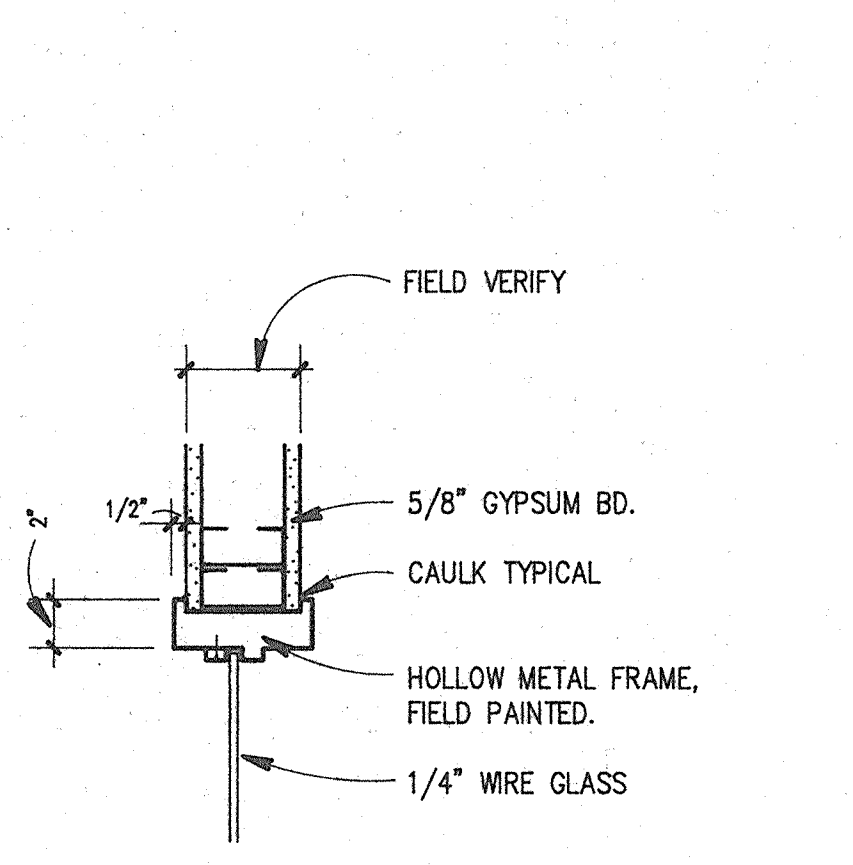
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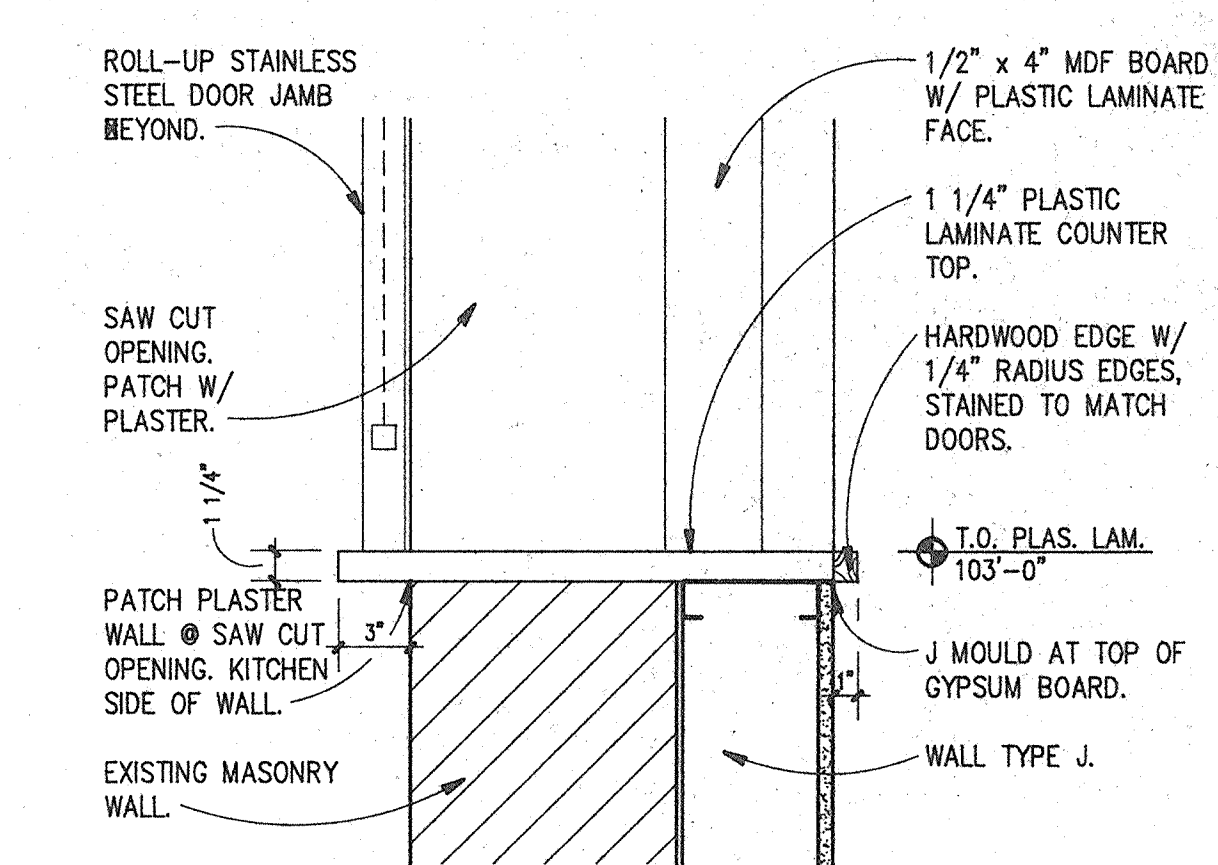
8 BOTTOM SEAL FULL SCALE  
9 EDGE SEAL FULL SCALE



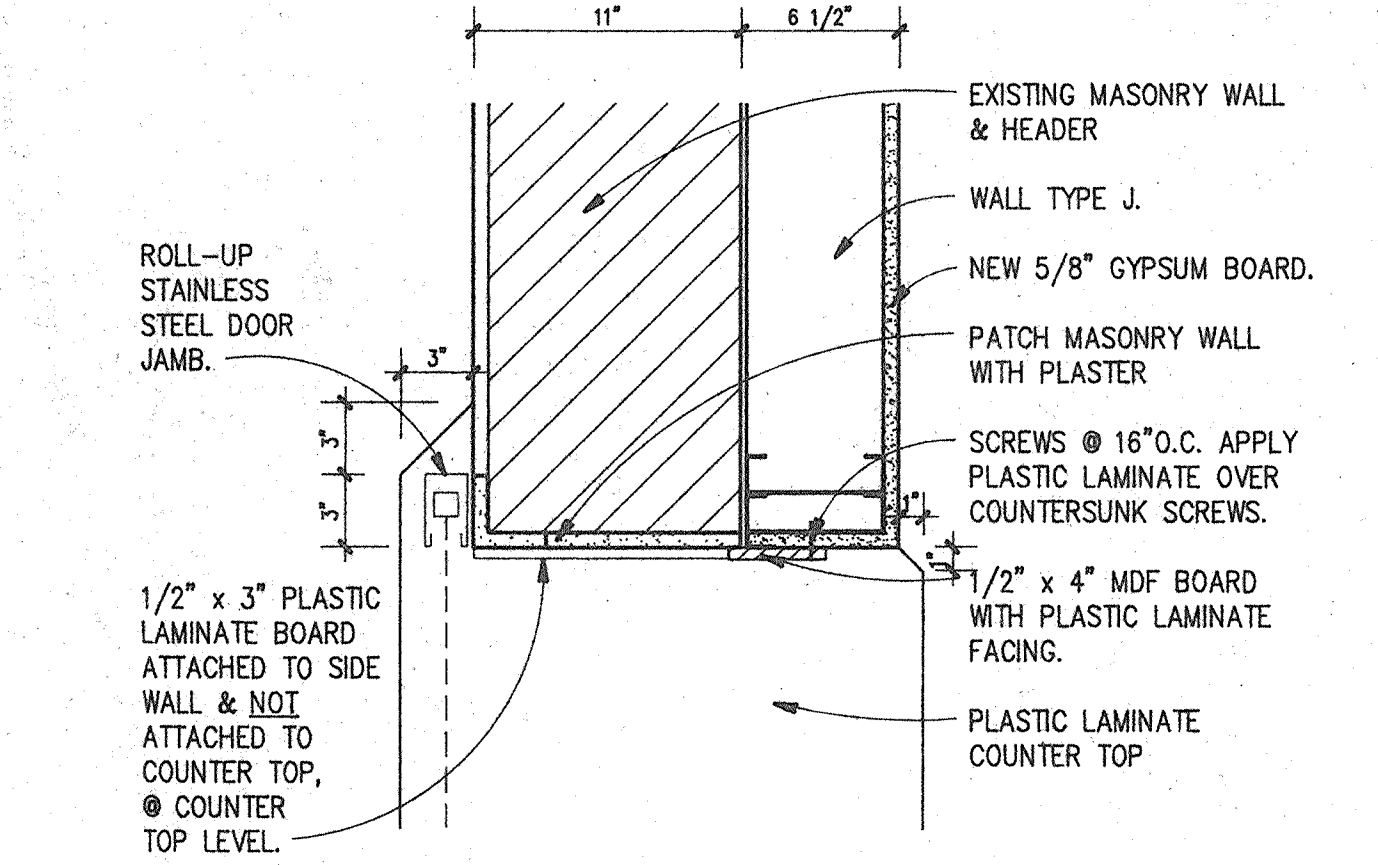
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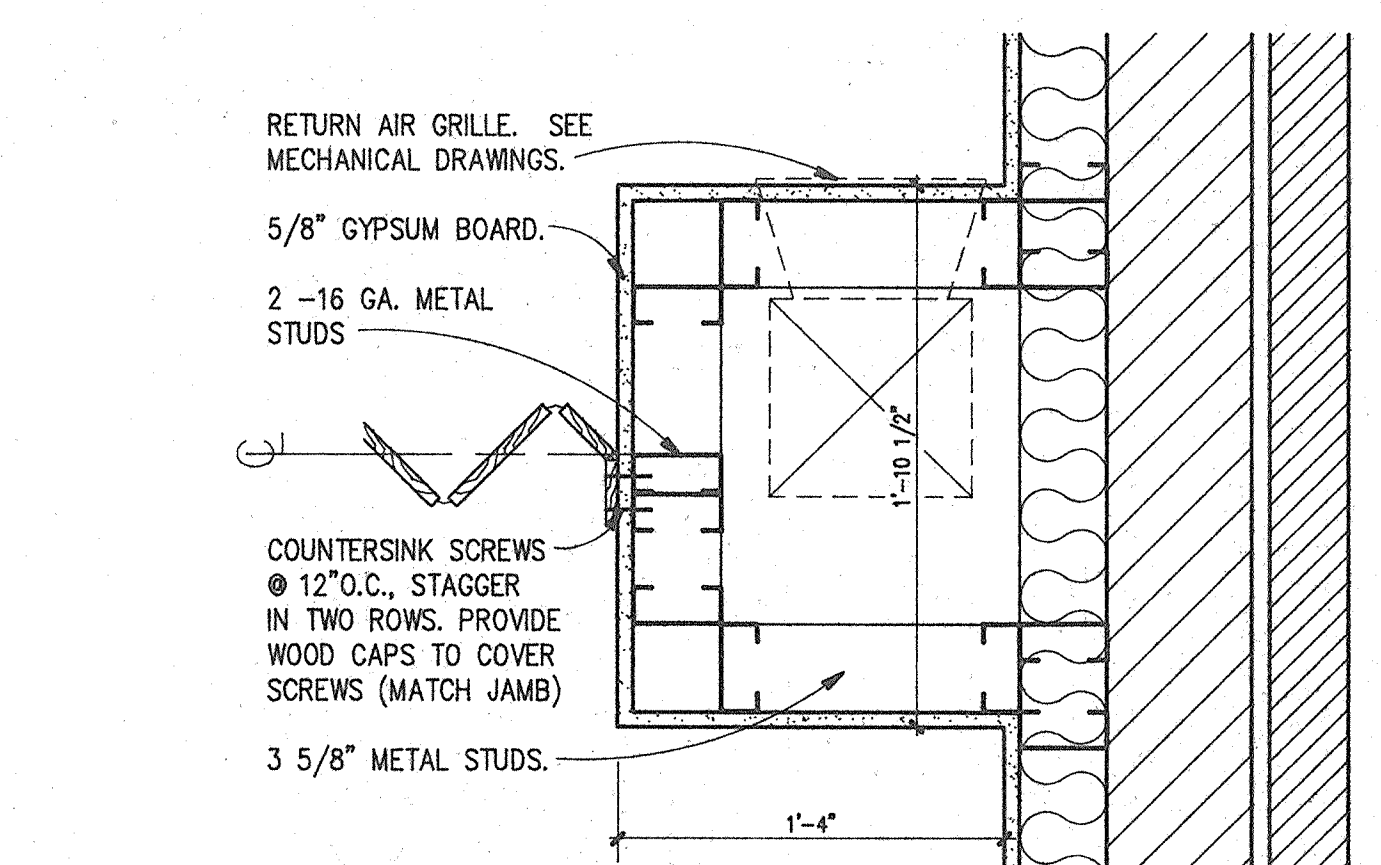
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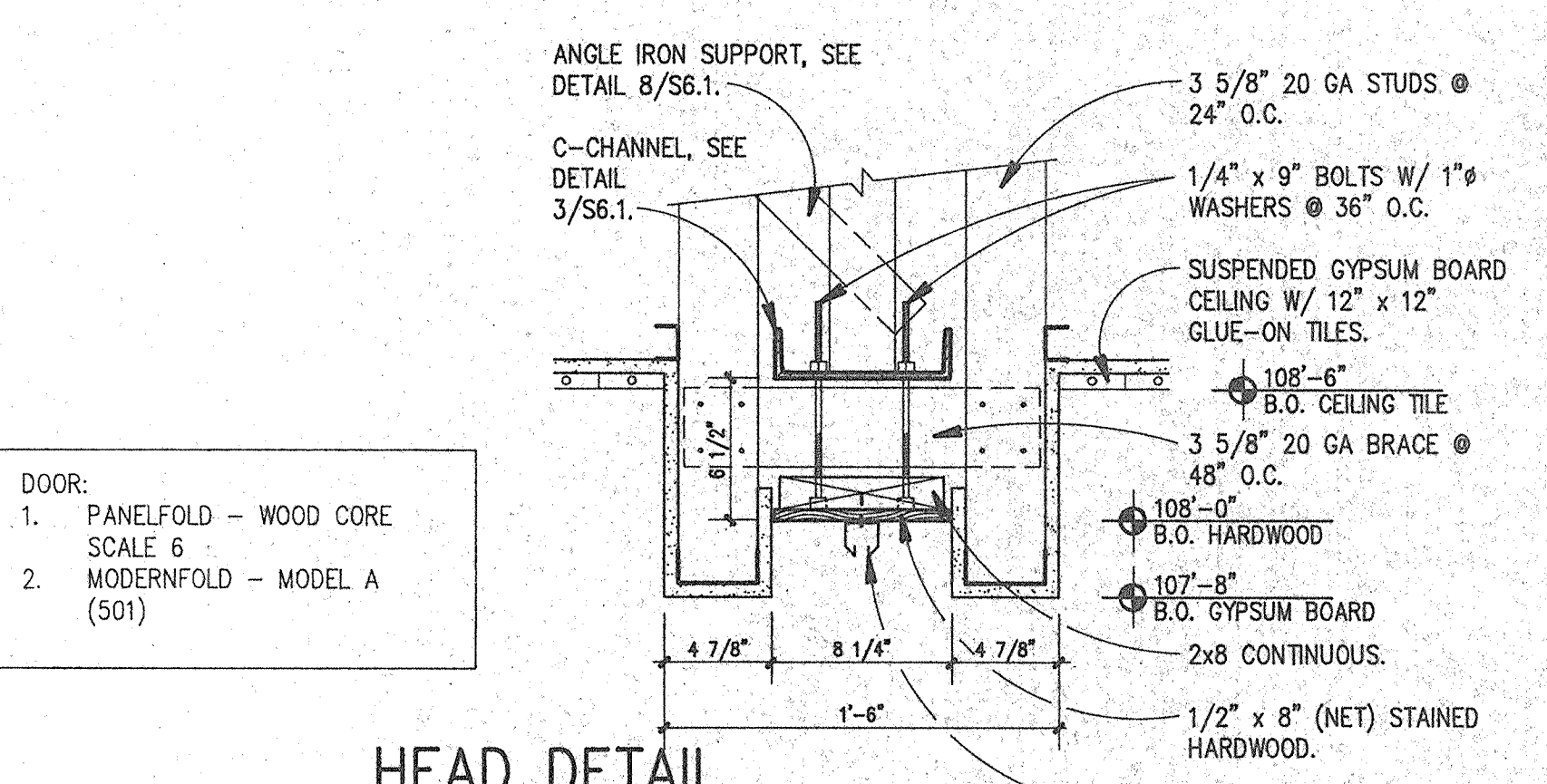
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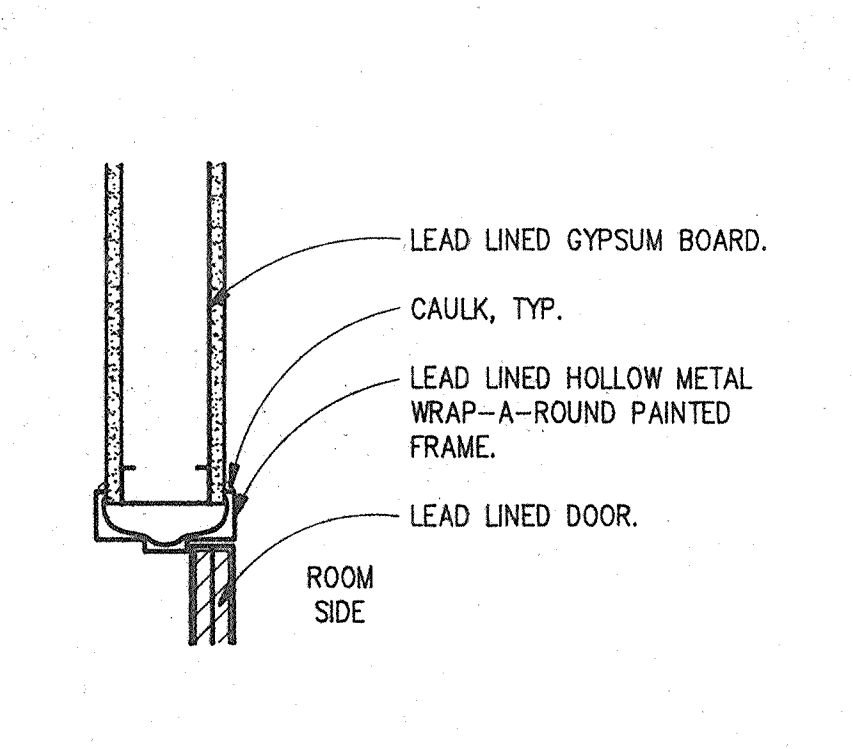
15 JAMB DETAIL (NOTE: JAMB STUDS 2 - 18 GA. TYPICAL)  
SCALE 1 1/2"=1'-0"



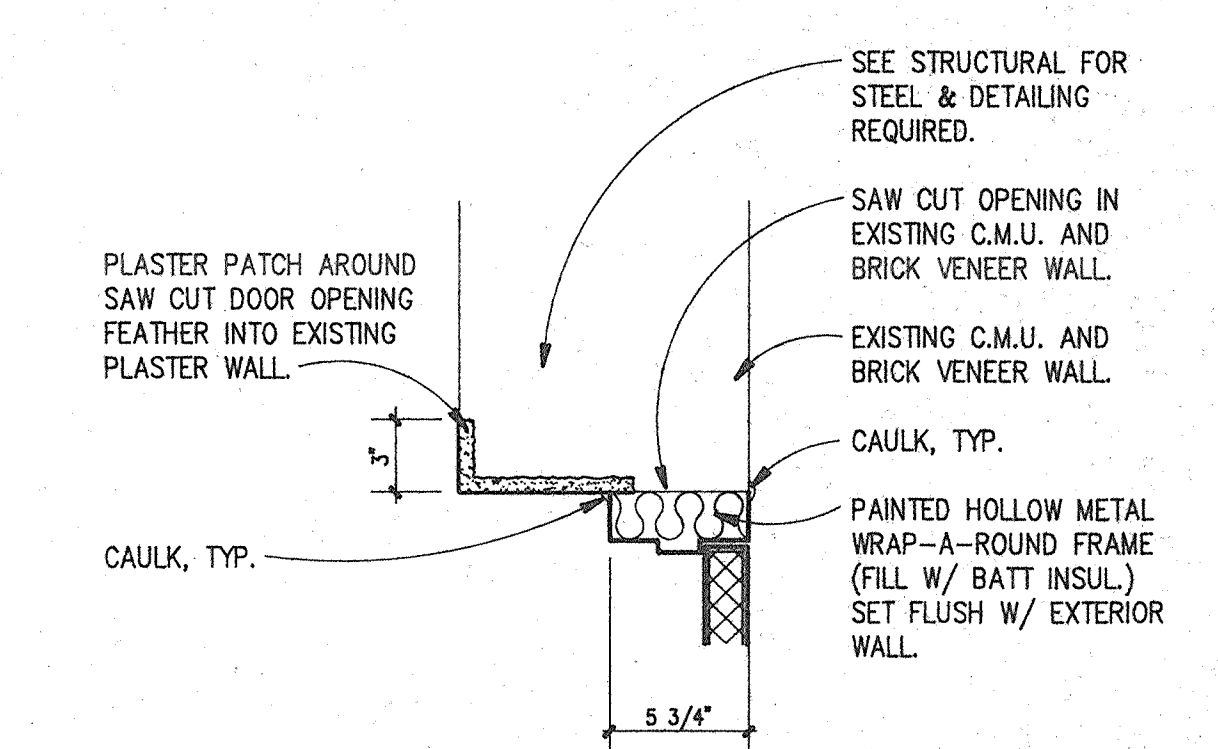
14 JAMB DETAIL  
SCALE 1 1/2"=1'-0"



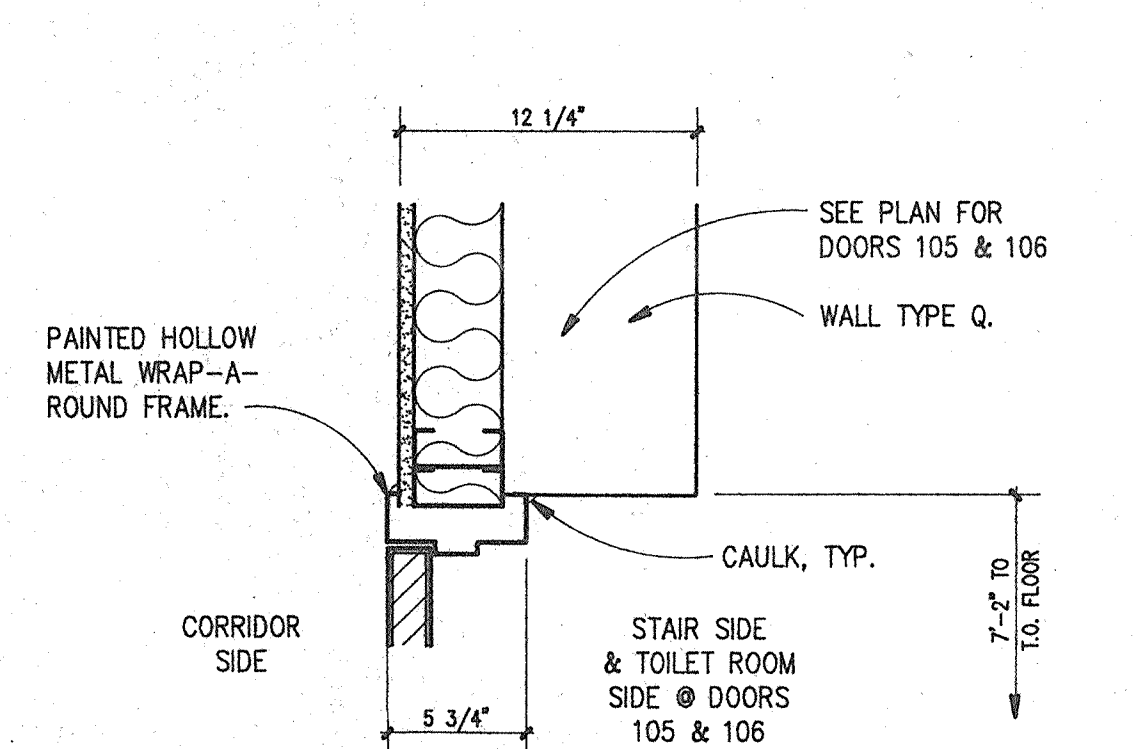
13 HEAD DETAIL (FOLDING PARTITION)  
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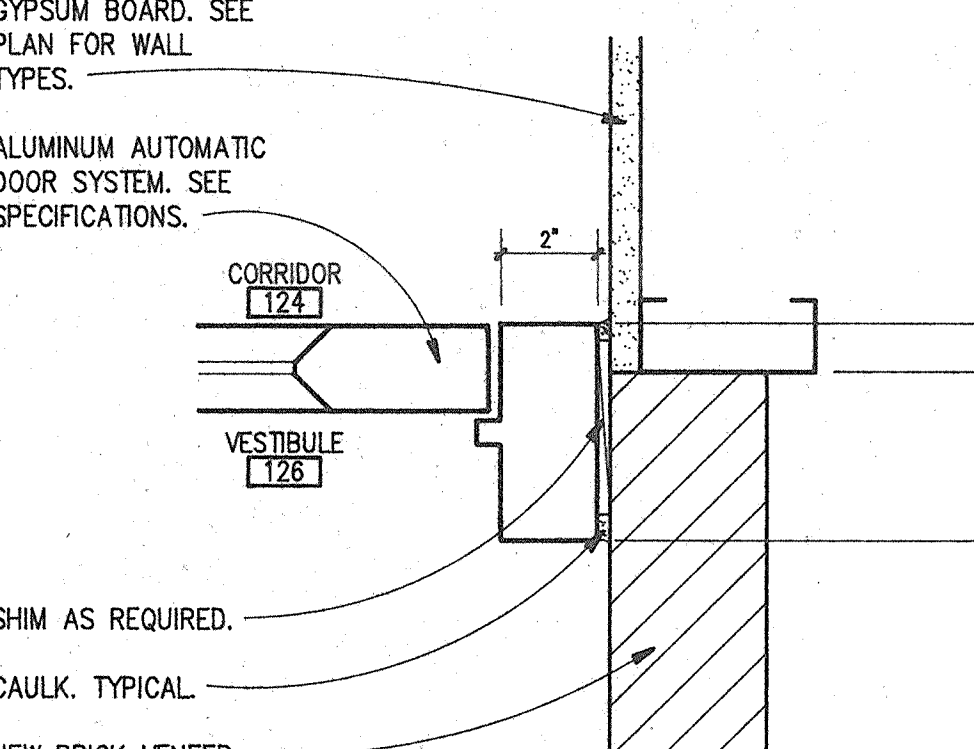
22 HEAD DETAIL (JAMB SIM.)  
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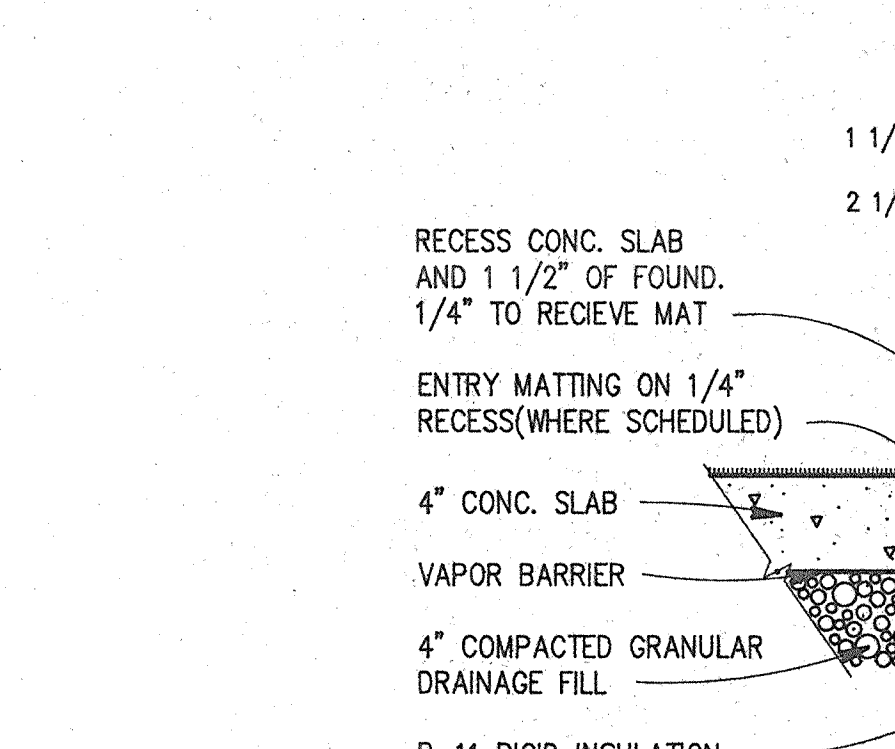
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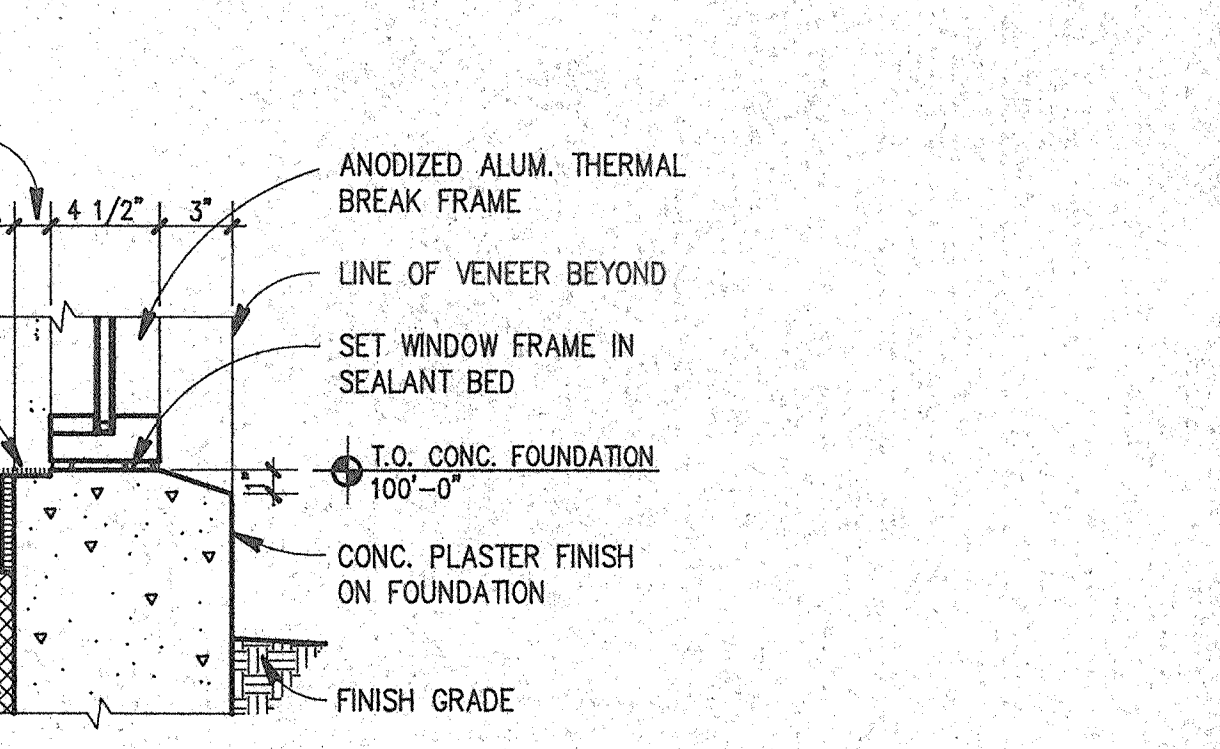
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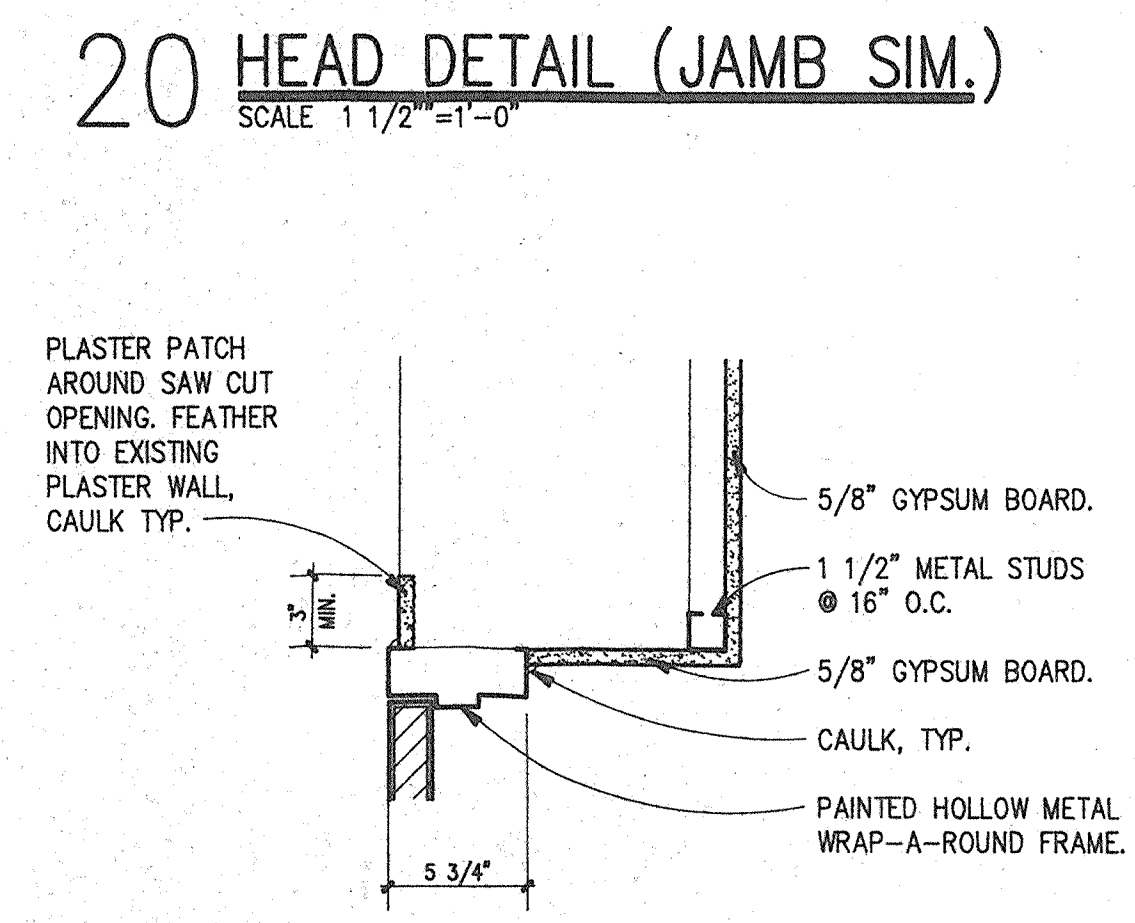
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SCALE 3"=1'-0"



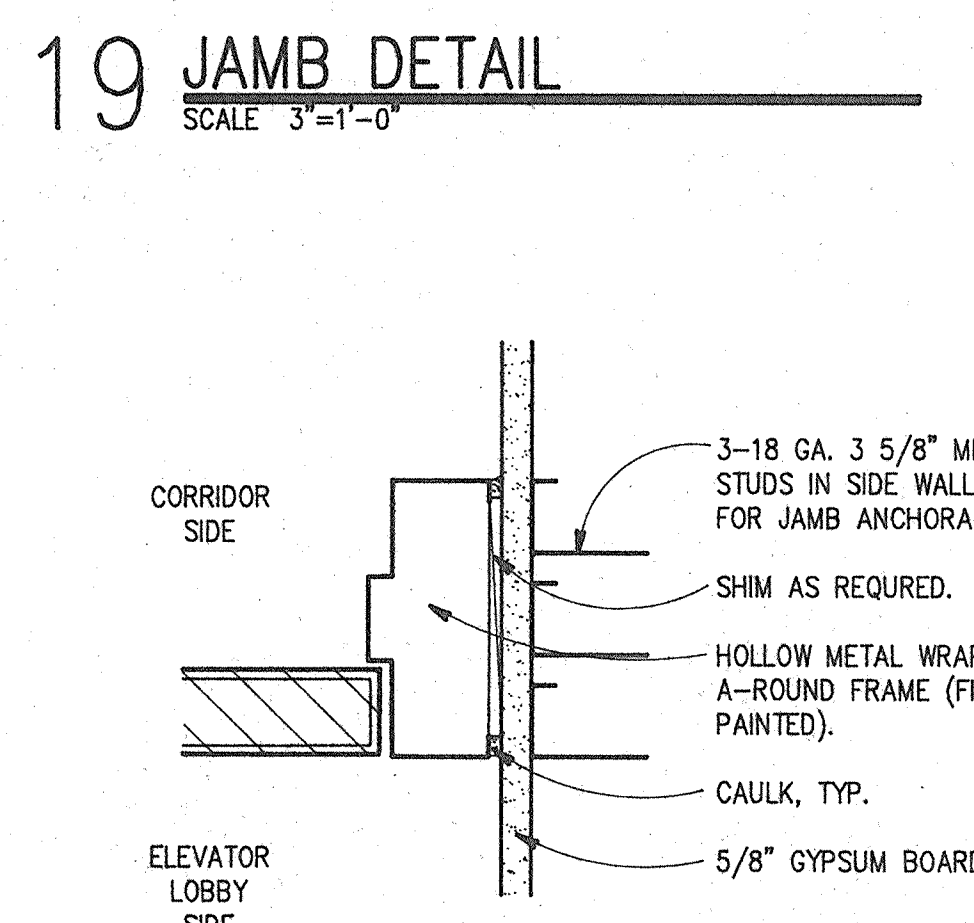
18 SILL DETAIL  
SCALE 1 1/2"=1'-0"



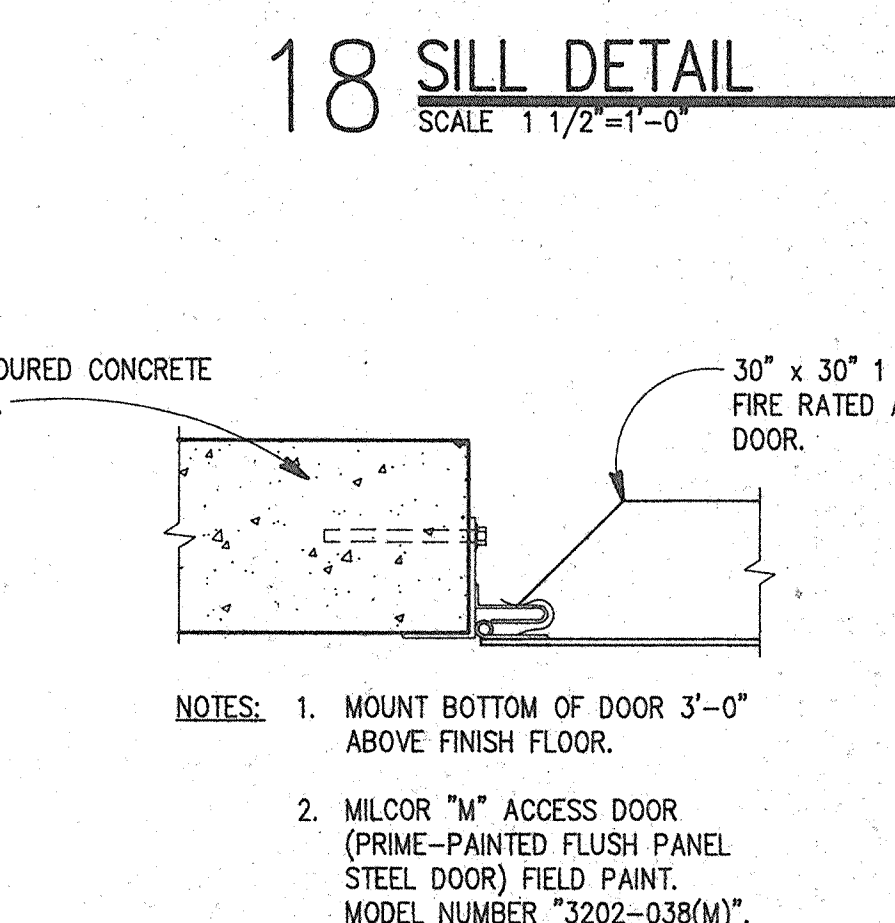
23 JAMB/HEAD DETAIL  
SCALE 1 1/2"=1'-0"



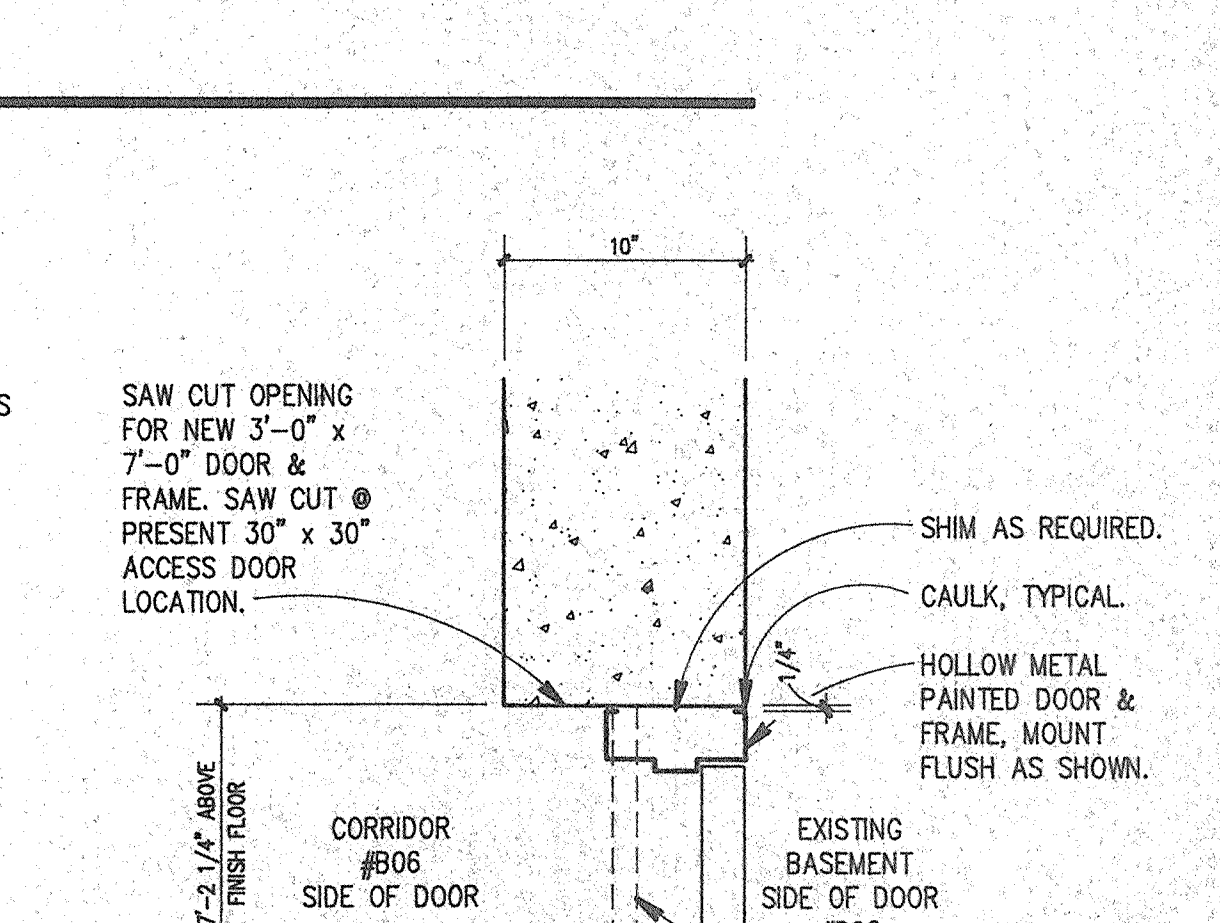
26 HEAD DETAIL (JAMB SIM.)  
SCALE 1 1/2"=1'-0"



25 JAMB DETAIL  
SCALE 3"=1'-0"



24 JAMB/HEAD/SILL DETAIL (RATED ACCESS DOOR)  
SCALE 1 1/2"=1'-0"



23 JAMB/HEAD DETAIL  
SCALE 1 1/2"=1'-0"

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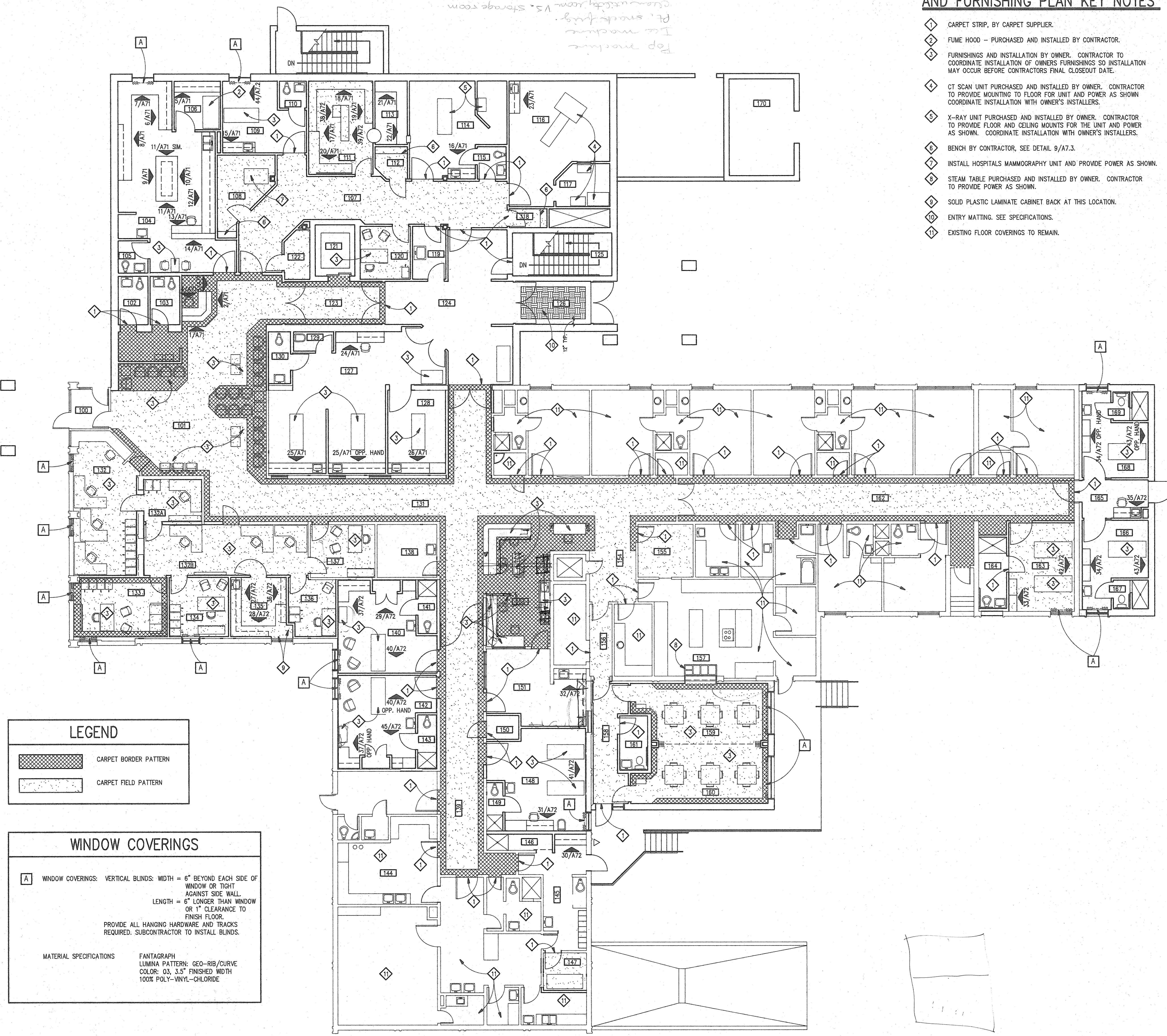
**MAIN FLOOR MILLWORK  
AND FURNISHING PLAN KEY NOTES**

**INTERIOR COLOR SCHEDULE**

- 1 CARPET STRIP, BY CARPET SUPPLIER.
- 2 FUME HOOD - PURCHASED AND INSTALLED BY CONTRACTOR.
- 3 FURNISHINGS AND INSTALLATION BY OWNER. CONTRACTOR TO COORDINATE INSTALLATION OF OWNER'S FURNISHINGS SO INSTALLATION MAY OCCUR BEFORE CONTRACTORS FINAL CLOSEOUT DATE.
- 4 CT SCAN UNIT PURCHASED AND INSTALLED BY OWNER. CONTRACTOR TO PROVIDE MOUNTING TO FLOOR FOR UNIT AND POWER AS SHOWN COORDINATE INSTALLATION WITH OWNER'S INSTALLERS.
- 5 X-RAY UNIT PURCHASED AND INSTALLED BY OWNER. CONTRACTOR TO PROVIDE FLOOR AND CEILING MOUNTS FOR THE UNIT AND POWER AS SHOWN. COORDINATE INSTALLATION WITH OWNER'S INSTALLERS.
- 6 BENCH BY CONTRACTOR, SEE DETAIL 9/A7.3.
- 7 INSTALL HOSPITALS MAMMOGRAPHY UNIT AND PROVIDE POWER AS SHOWN.
- 8 STEAM TABLE PURCHASED AND INSTALLED BY OWNER. CONTRACTOR TO PROVIDE POWER AS SHOWN.
- 9 SOLID PLASTIC LAMINATE CABINET BACK AT THIS LOCATION.
- 10 ENTRY MATTING, SEE SPECIFICATIONS.
- 11 EXISTING FLOOR COVERINGS TO REMAIN.

- FLOORING:**
- F-1 CARPET: HARBINGER COMPANY PATTERN INVESTOR COLOR: 20637 MEMBERS
  - F-2 SHEET VINYL: TYPE 1 (WELDED SEAMS) ARMSTRONG MEDNETCH - SOLID VINYL COLOR: 86478 PHLOX
  - F-3 SHEET VINYL: TYPE 1 (NON-WELDED SEAMS) ARMSTRONG MEDNETCH - SOLID VINYL COLOR: 86478 PHLOX
  - F-4 EXISTING FLOOR COVERING TO REMAIN.
  - F-5 SEALED CONCRETE: SHERWIN WILLIAMS ACRYLIC LATEX FLOOR ENAMEL COLOR: EQUAL TO TWILIGHT TIME SW 1283 LRV 71% (NEUTRAL) "VOC REGULATED"
  - F-6 CERAMIC TILE: DAL-TILE SIZE: 12" x 12" COLOR & PATTERN: DK 138A GOLD DUST #2
  - F-7 ENTRY MATTING: HURVY ENTRANCE MATTING FIBRED RUBBER, BLACK PROFILES: ALUMINUM IN ALUMINUM MAT WELL. FRAME: 1" x 2" x 1/2" RECESSED IN CONCRETE FLOOR.
  - F-8 SHEET VINYL: TYPE 2 (NON-WELDED SEAMS) TOLI FLOORING PRODUCTS MATURE, COL. NO. 403 10/16" x 12" FEET NOMINAL THICKNESS: .080" (2.0mm)
  - F-9 CARPET: SHAW COMMERCIAL CARPETS CIPRESS POINT III 38 STYLE # 50533
- BASE:**
- B-1 WOOD BASE: (1/2" x 4" NET) OAK (FIELD STAIN TO MATCH EXISTING DOOR STAIN COLOR, EQUAL TO HUETTER MILL # HW 114
  - B-2 RUBBER BASE: BURKE (4" x 1/8" COVERED BASE) COLOR: 564P - SMOKE (TYPE 1)
  - B-3 RUBBER BASE: BURKE (4" x 1/8" STRAIGHT BASE) COLOR: 564P - SMOKE (TYPE 1)
  - B-4 SHEET VINYL: TYPE 1 (WELDED SEAMS - INTERNAL WITH FLOORING) ARMSTRONG MEDNETCH - SOLID VINYL COLOR: 86478 PHLOX
  - B-5 SHEET VINYL: TYPE 1 (NON-WELDED SEAMS - INTERNAL WITH FLOORING) ARMSTRONG MEDNETCH - SOLID VINYL COLOR: 86478 PHLOX
  - B-6 EXISTING BASE.
  - B-7 NO BASE.
  - B-8 CERAMIC TILE: 4" x 4" DAL-TILE COLOR: 5-57 (CRAP)
  - B-9 CARPET: PROVIDE SEMI TOP EDGE MATCH CARPET TYPE ADJACENT TO BASE. SEE SHEETS FL1 AND FL2.
  - B-10 RUBBER BASE: TYPE 2 - MANNINGTON COMMERCIAL COLOR: #2 PEACH
- WALLS:**
- W-1 POURED CONCRETE: EXPOSED, NON-PAINTED & NON-SEALED.
  - W-2 PAINT: ON GYPSUM BOARD SHERWIN WILLIAMS TWILIGHT TIME SW 1283 LRV 71% (NEUTRAL)
  - W-3 PAINT: ON CONCRETE AND CMU SHERWIN WILLIAMS TWILIGHT TIME SW 1283 LRV 71% (NEUTRAL)
  - W-4 EXISTING TO REMAIN.
  - W-5 PAINT: "ADVICE CHARBAIL" ON GYPSUM BOARD SHERWIN WILLIAMS NOSTALGIA WHITE SW 1247 LRV 78% "BELOW CHARBAIL" ON GYPSUM BOARD SHERWIN WILLIAMS ROSETTA SW 1043 LRV 53% OAK STAINED (STAINED TO MATCH FLOORING) USE OAK HUETTER MILL # HW 162 ALLEGRO 54" VINYL WALLCOVERINGS, BORDERS, PATTERNS: FIRM BORDER PATTERN NUMBER: ALB-14 TYPE 1 REPORT: 7 3/4" (TOP OF BORDER TO MEET CEILING).
  - W-6 EXPOSED CONCRETE & CMU: NON-PAINTED & NON-SEALED
  - W-7 PAINT: ON GYPSUM BOARD (ACCENT COLOR) SHERWIN WILLIAMS POST MODERN MAINE SW 1274 LRV 35%.
  - W-8 MULTI-COLORED PAINT: POLONYX COLOR: 6006-8281
  - W-9 CERAMIC TILE: DAL-TILE COLOR: #0147 (PEPPER WHITE).
- CEILING:**
- C-1 2x4 T-BAR: USG INTERIORS, INC. "OVAL FIGURED" 24" x 24" x 3/4" EDGE SLIT GRID COLOR: WHITE
  - C-2 2x4 T-BAR: USG INTERIORS, INC. "OVAL FIGURED" 24" x 24" x 3/4" EDGE SLIT GRID COLOR: WHITE
  - C-3 GYPSUM BOARD: SUSPENDED - PAINT SAME COLOR AS FIELD PAINT ON WALL.
  - C-4 12x12 TILE: USG INTERIORS, INC. "OVAL FIGURED" 12" x 12" x 3/4" EDGE BEVEL EDGE/KEF. GLUE-ON TO GYPSUM BOARD. COLOR: WHITE
  - C-5 OPEN TO STRUCTURE.
  - C-6 EXISTING TO REMAIN: (PAINT - MATCH WALL FIELD COLOR).
  - C-7 12x12 TILE: USG INTERIORS, INC. "OVAL FIGURED" 12" x 12" x 3/4" EDGE BEVEL EDGE/KEF. GLUE-ON TO PATCHED PLASTER. COLOR: WHITE
  - C-8 EXISTING PATCHED PLASTER CEILING: PAINT CEILING COLOR OF WALL FIELD PAINT.
  - C-9 PAINT: PAINT CONCRETE & GYPSUM BOARD. SHERWIN WILLIAMS TWILIGHT TIME SW 1283 LRV 71% (NEUTRAL)
- MISC. FINISHES:**
- A. INTERIOR METAL WINDOW AND DOOR FRAMES: SHERWIN WILLIAMS POST MODERN MAINE SW 1274 LRV 35%.
  - B. STAIN: DOORS AND WOOD TRIM (STAIN TO MATCH EXISTING WOOD DOORS) TYP. FOR BUILDING.
  - C. STAIN: LDRP ROOMS (STAIN TO MATCH FLOORING) ALSO STAIN INSIDE OF CORRIDOR DOORS TO MATCH ROOM. EXTERIOR OF DOOR TO MATCH CORRIDOR STAIN COLOR.
  - D. INTERIOR HOLLOW METAL DOOR FRAMES: SHERWIN WILLIAMS ROSETTA SW 1043 LRV 53%
  - E. PLASTIC LAMINATE: FOR COUNTERTOPS AND SURFACES. WILSONART COLOR: STELLAR # D344-6
  - F. PLASTIC LAMINATE: ACCENT STRIP @ CONTROL WAITING ROOM MILLWORK. WILSONART COLOR: MILWAUKEE # D08-13
  - G. CUBICLE CURTAIN FABRIC: GENERAL AREAS MAHARAM BURATEL SOROKOS CAMELOT COLOR: DS QUARTZ 72" WIDE
  - H. CUBICLE CURTAIN FABRIC: (LDRP ROOMS) RESORTEX 5 CHROMIUM 8700-501 JARDIN 72" WIDE
  - I. WINDOW COVERINGS: FANTAGRAPH LUMINA PATTERN: GEO-RIB/CURVE COLOR: 03, 3.5" FINISHED WIDTH 100% POLY-VINYL-CHLORIDE
  - J. WALL CORNER GUARDS: ACRYLYN "SURFACE MOUNTED CORNER GUARDS" - 3" SM-20 CORNER GUARDS @ 90° ANGLE WALL (6'-0" TALL) - 3" SM-10 135° @ 135° ANGLE WALL (6'-0" TALL) - 2" SM-20 CORNER GUARDS @ WALL ENDS (6'-0" TALL - 2 REQUIRED) COLOR: # 833 MISSION WHITE
  - K. BED BUMPER GUARDS: ACRYLYN "BUMPER GUARDS" - 4 1/4" BG-10 (5'-0" LONG), TYP. COLOR: # 833 MISSION WHITE @ OTHER BED LOCATIONS.
  - L. CORRIDOR HANDRAILS: ACRYLYN "HANDRAIL" - 5 1/2" MODEL HRB-2C WITH EXTENSION CORNER (HRB-2C) @ INTERNAL CORNER (HRB-2C) AS REQUIRED. COLOR: # 833 MISSION WHITE
- EXTERIOR COLOR SCHEDULE:**
- A. BRICK VENEER: MATCH EXISTING.
  - B. EXTERIOR COLUMNS TILE: DAL-TILE PEOPLE SERIES P-89 BLUSH SANDBLASTED.
  - C. EXTERIOR METAL PAINT: FRAZZE # 5890 W
  - D. EXTERIOR INSULATION AND FINISH SYSTEM COLOR: CUSTOM COLOR: FRAZZE # 5890 W
  - E. PAVEMENT PAINT: WHITE

Top machine  
Is machine  
Pl. storage room  
V.S. Storage room



**LEGEND**

- CARPET BORDER PATTERN
- CARPET FIELD PATTERN

**WINDOW COVERINGS**

**A** WINDOW COVERINGS: VERTICAL BLINDS: WIDTH = 6" BEYOND EACH SIDE OF WINDOW OR TIGHT AGAINST SIDE WALL. LENGTH = 6" LONGER THAN WINDOW OR 1" CLEARANCE TO FINISH FLOOR. PROVIDE ALL HANGING HARDWARE AND TRACKS REQUIRED. SUBCONTRACTOR TO INSTALL BLINDS.

**MATERIAL SPECIFICATIONS**

FANTAGRAPH LUMINA PATTERN: GEO-RIB/CURVE COLOR: 03, 3.5" FINISHED WIDTH 100% POLY-VINYL-CHLORIDE

**MAIN FLOOR MILLWORK AND FURNISHING FLOOR PLAN**  
SCALE 1/8" = 1'-0"

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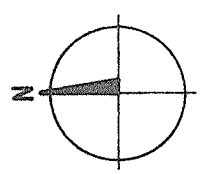


LEGEND	
	CARPET BORDER PATTERN
	CARPET FIELD PATTERN

**BASEMENT FLOOR MILLWORK AND FURNISHING PLAN KEY NOTES**

- ◇ CARPET STRIP, BY CARPET SUPPLIER.
- ◇ MEDICAL RECORD FILES AND INSTALLATION BY OWNER.
- ◇ FURNISHINGS AND INSTALLATION BY OWNER. CONTRACTOR TO COORDINATE INSTALLATION OF OWNERS FURNISHINGS SO INSTALLATION MAY OCCUR BEFORE CONTRACTORS FINAL CLOSEOUT DATE.

**LOWER FLOOR MILLWORK AND FURNISHING FLOOR PLAN**  
SCALE 1/8" = 1'-0"



468/331 C:\9110\8110F12.DWG, made 1/8" = 1'-0", 02/19/93 at 15:50

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JHCH-ARCHITECTS

DATE:  
FEB. 19, 1993  
JOB #  
9110  
BY:  
TLG

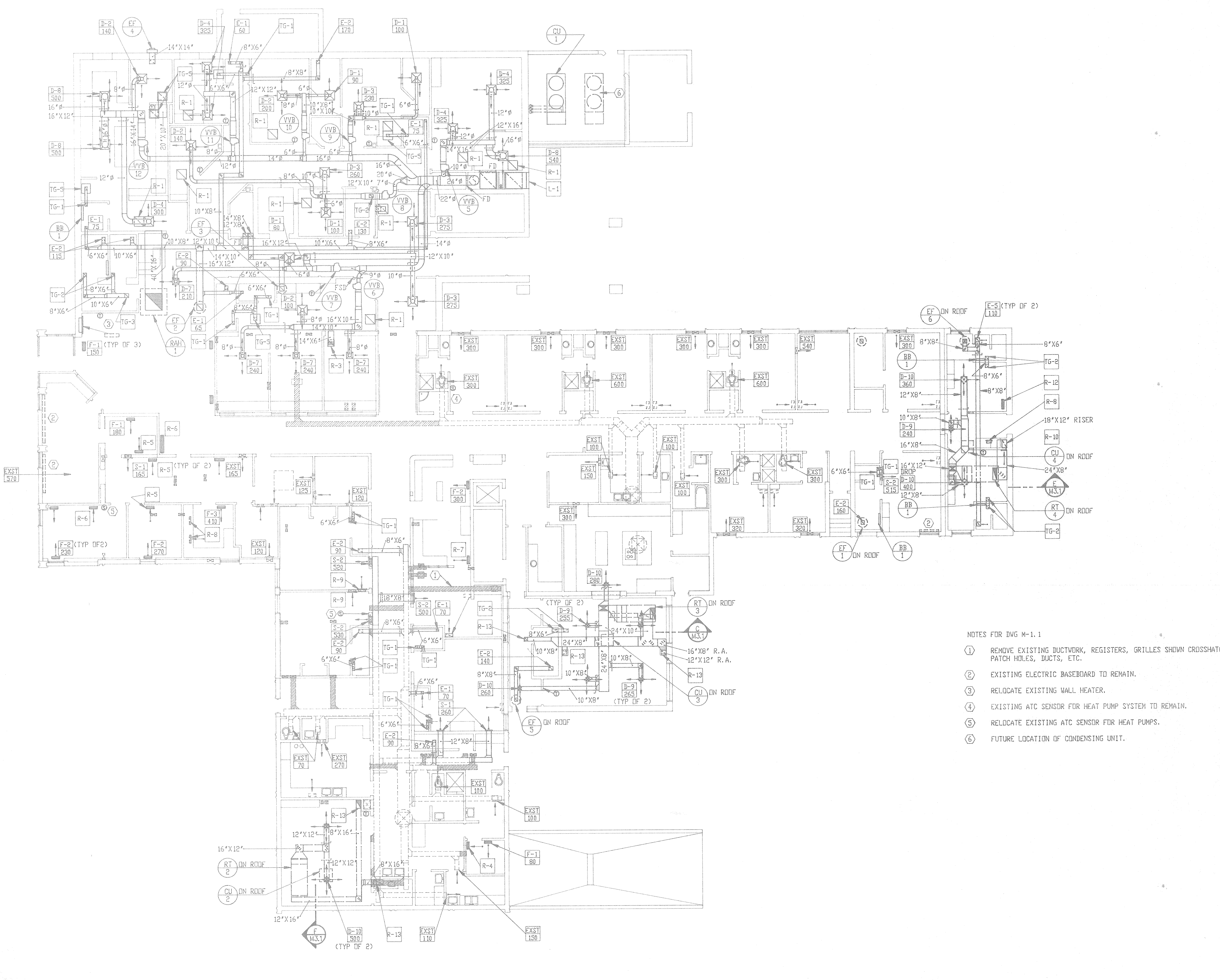
REVISIONS

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 SALT LAKE CITY, UTAH, 84108 801-583-5533

**F**  
**1.2**

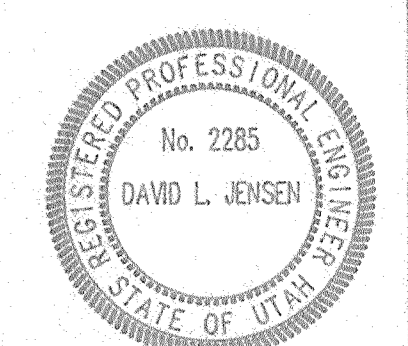
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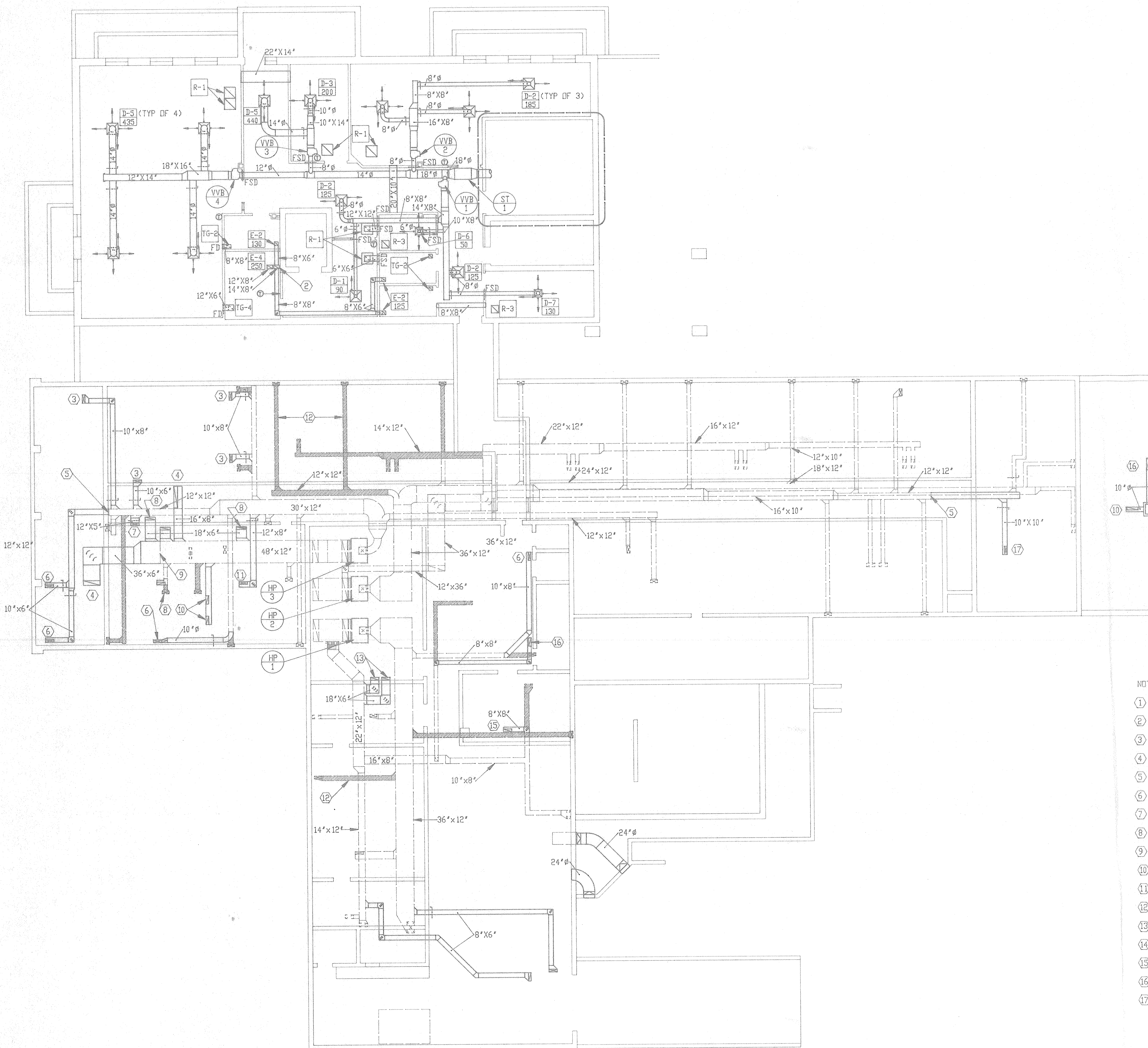


- NOTES FOR DWG M-1.1
- ① REMOVE EXISTING DUCTWORK, REGISTERS, GRILLES SHOWN CROSSHATCHED, PATCH HOLES, DUCTS, ETC.
  - ② EXISTING ELECTRIC BASEBOARD TO REMAIN.
  - ③ RELOCATE EXISTING WALL HEATER.
  - ④ EXISTING ATC SENSOR FOR HEAT PUMP SYSTEM TO REMAIN.
  - ⑤ RELOCATE EXISTING ATC SENSOR FOR HEAT PUMPS.
  - ⑥ FUTURE LOCATION OF CONDENSING UNIT.

MAIN FLOOR MECHANICAL PLAN

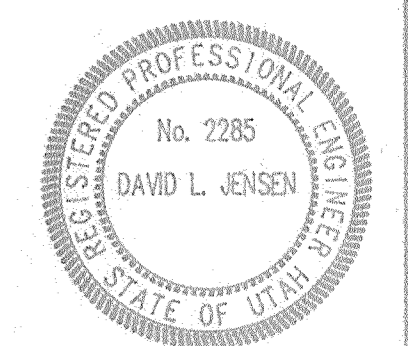
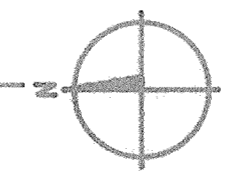
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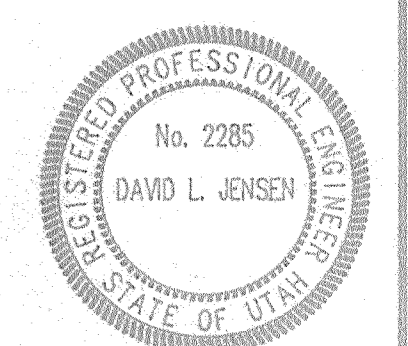
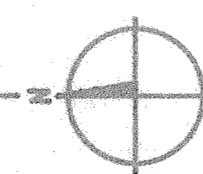
MAIN FLOOR PIPING PLAN  
SCALE 1/8" = 1'-0"







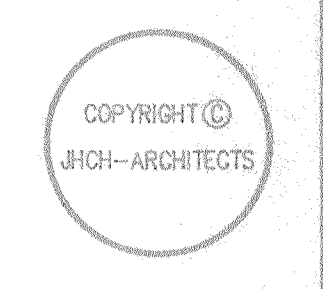
**BASEMENT FLOOR PIPING PLAN**  
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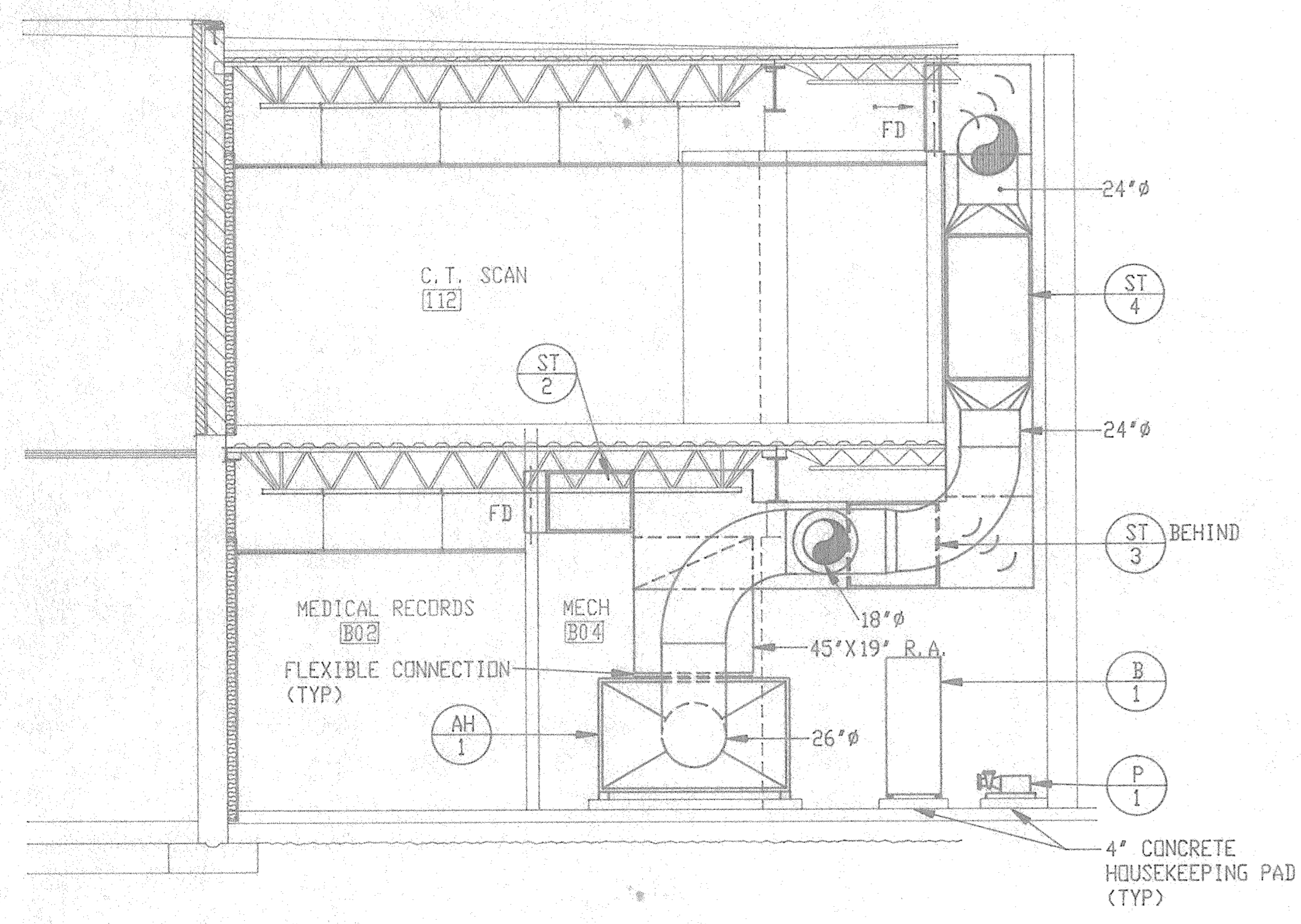
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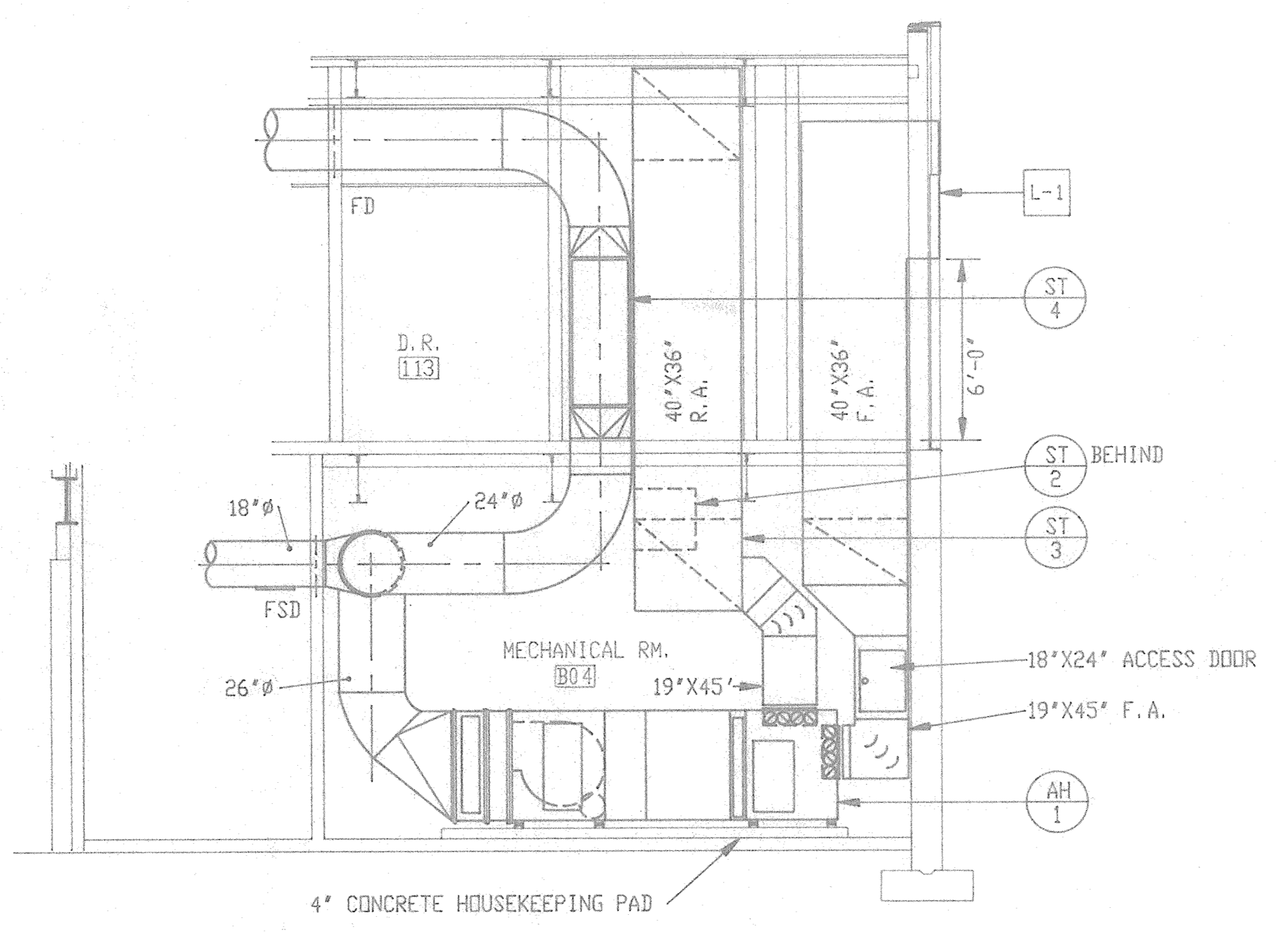
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 JAN. 4, 1993  
 JOB #  
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 BY:  
 TLG  
 REVISIONS



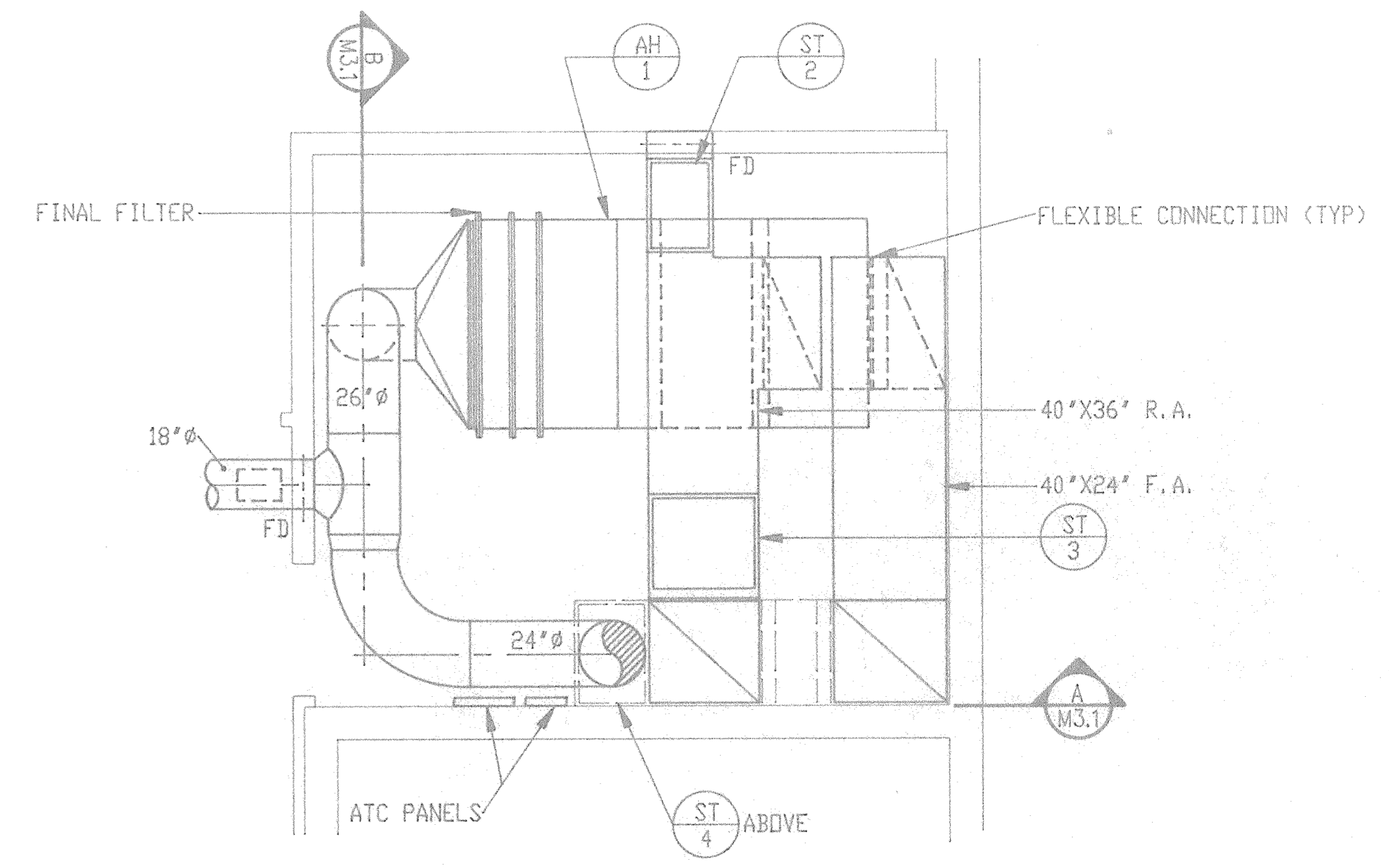
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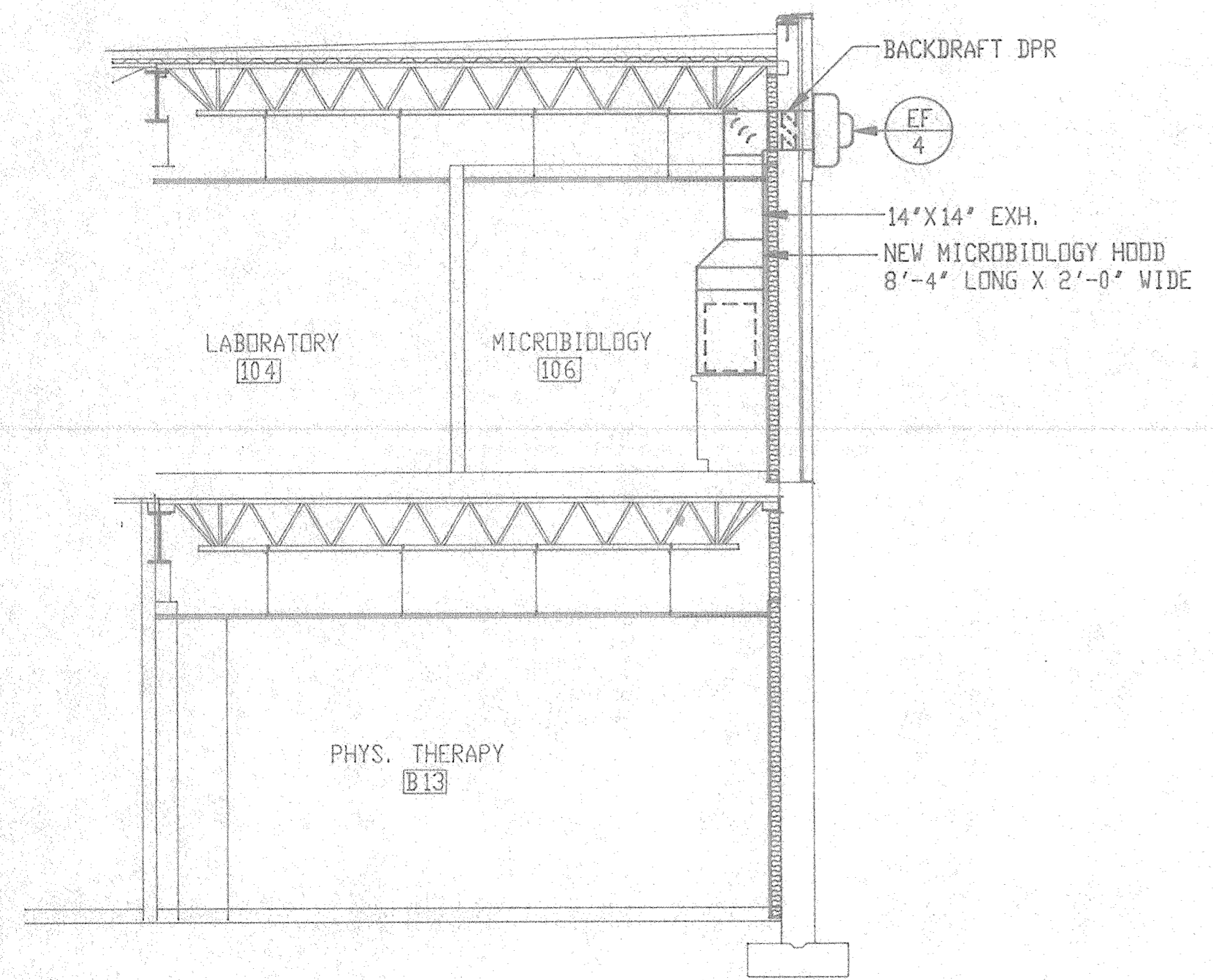
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SCALE 1/4" = 1'-0"



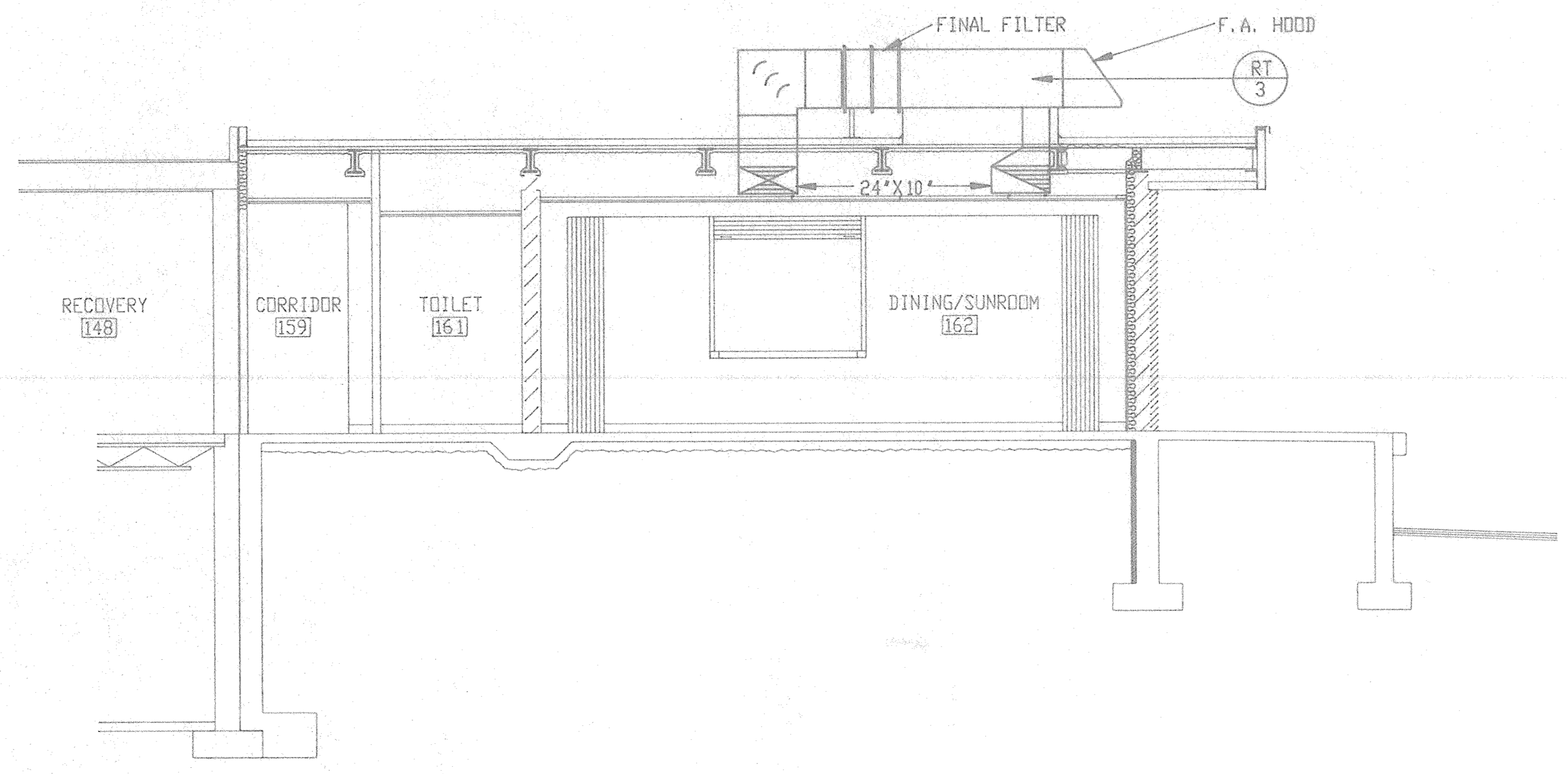
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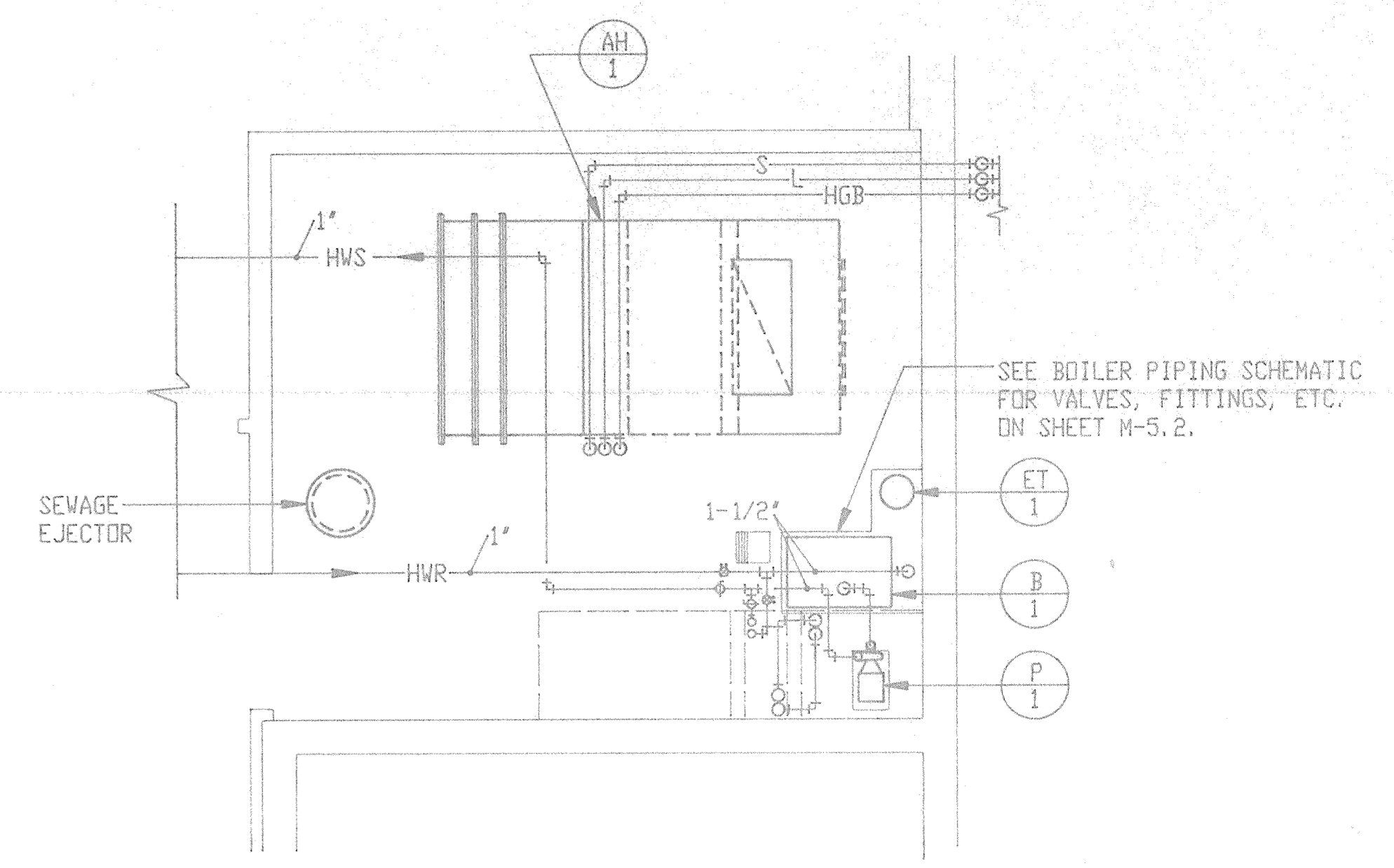
MECHANICAL ROOM B04 PLAN  
SCALE 1/4" = 1'-0"



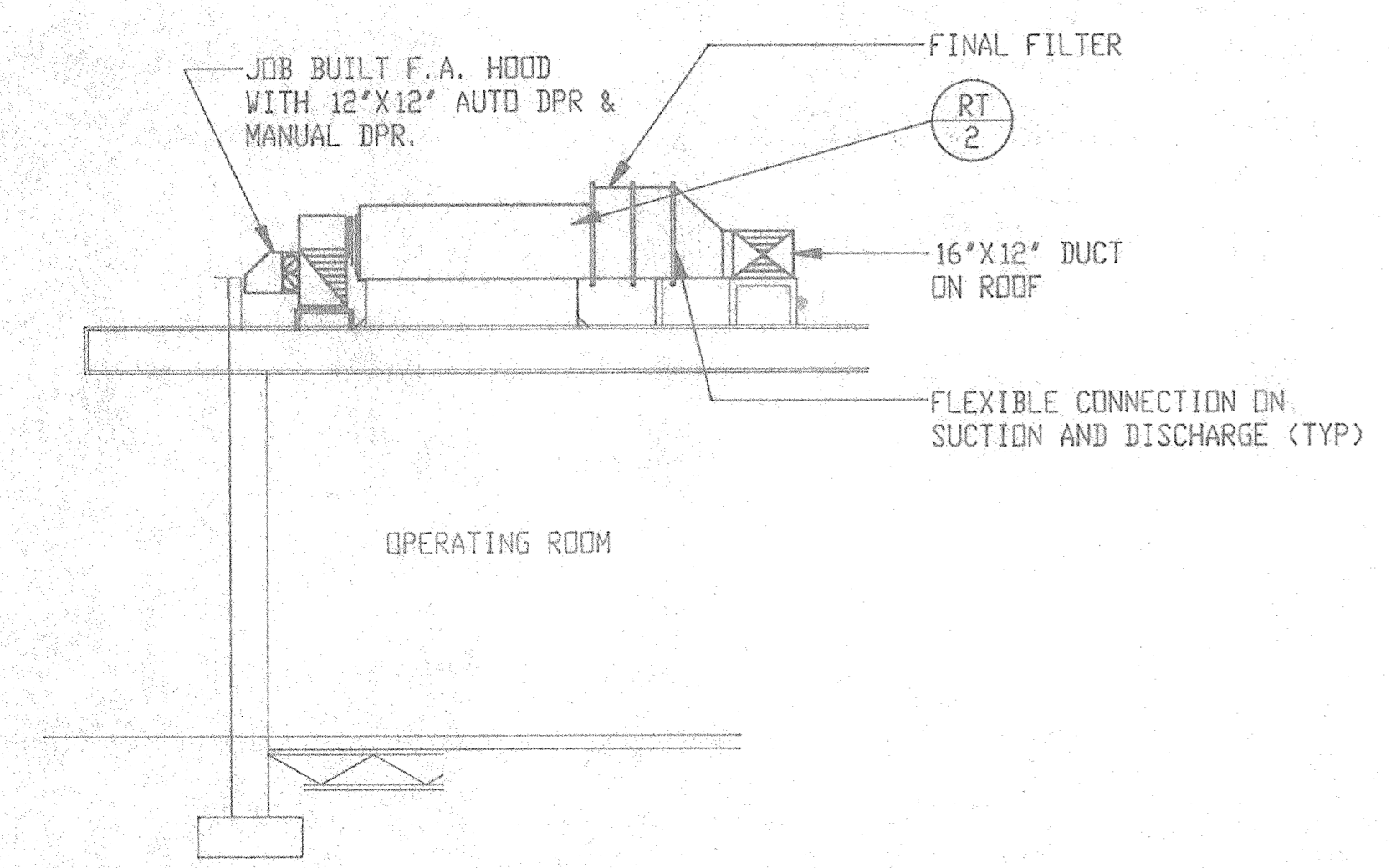
D SECTION  
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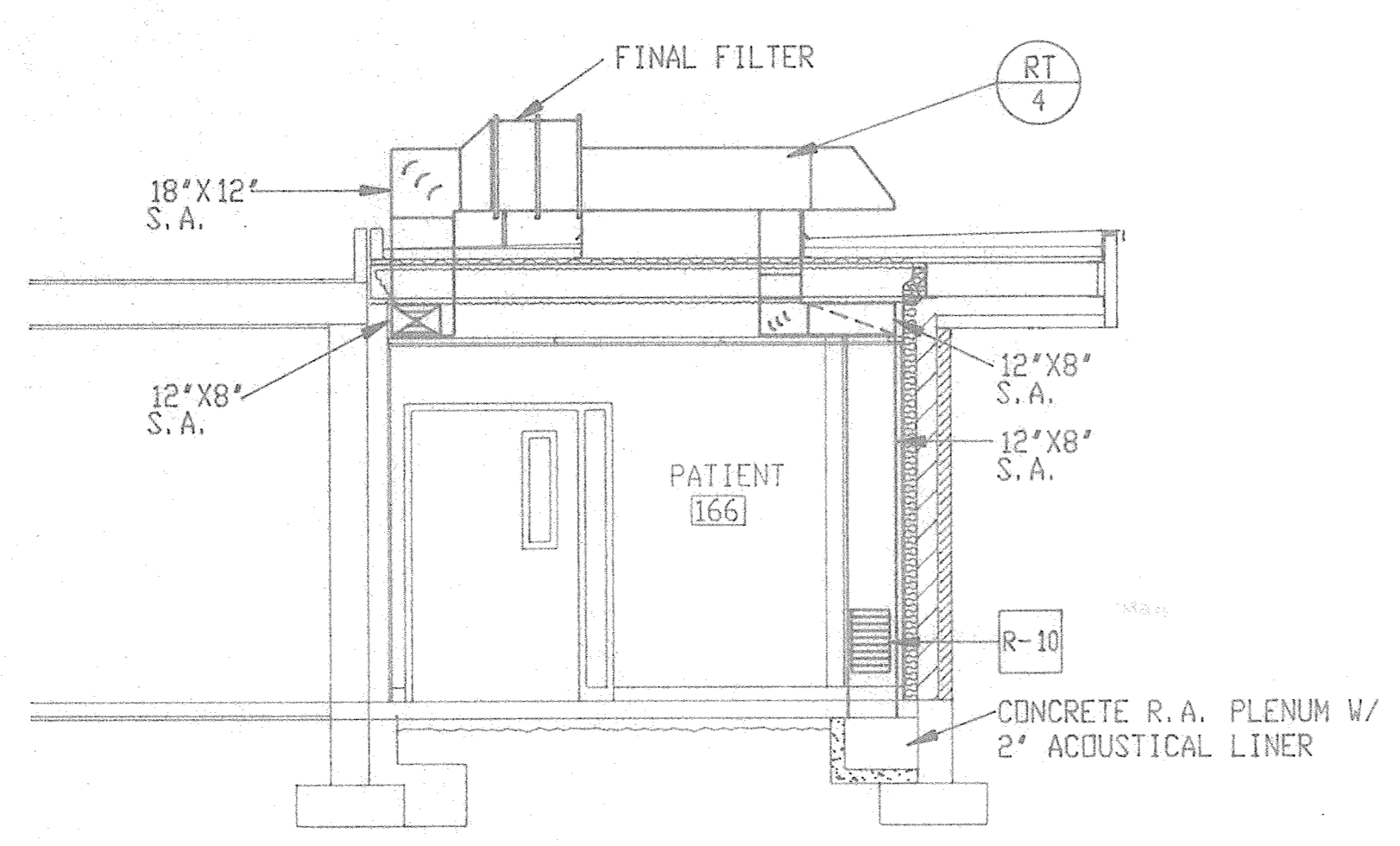
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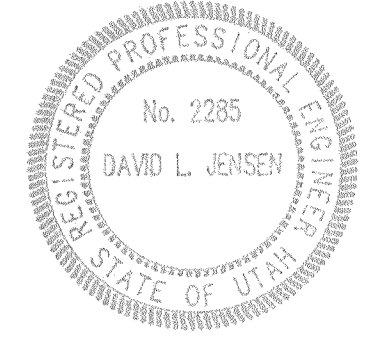
MECHANICAL ROOM B04 PIPING PLAN  
SCALE 1/4" = 1'-0"



F SECTION  
SCALE 1/4" = 1'-0"



E SECTION  
SCALE 1/4" = 1'-0"



MARK	INLET SIZE	CFM SETTINGS		AIR PRESSURE DROP (IN. W.G.)	NO. @ 1.0'	HOT WATER COIL				① ③		TITUS MODEL NO. ⑤
		MAX	MIN			ROWS	MBH	LAT DEG F	LWT	GPM	WPD	
VVB 1	8" DIA	520	150	0.06	10	2	9.6	119	136	0.8	0.2	ESV-3000
VVB 2	8" DIA	555	150	0.06	10	2	9.6	119	136	0.8	0.2	ESV-3000
VVB 3	8" DIA	640	490	0.1	12	2	22.2	102	143	2.7	1.0	ESV-3000
VVB 4	12" DIA	1740	1110	0.15	13	2	48.7	101	144	6.2	2.3	ESV-3000
VVB 5	10" DIA	1190	400	0.14	13	2	21.5	110	140	2.2	0.3	ESV-3000
VVB 6	9" DIA	835	835	0.17	12	2	30.1	93	147	4.6	1.0	ESV-3000
VVB 7	9" DIA	845	180	0.17	12	2	12.7	125	134	1.0	0.1	ESV-3000
VVB 8	7" DIA	500	160	0.15	14	2	9.6	116	138	0.9	0.2	ESV-3000
VVB 9	6" DIA	330	225	0.12	11	2	11.4	107	141	1.2	0.2	ESV-3000
VVB 10	6" DIA	290	130	0.08	10	2	7.4	113	138	0.7	0.1	ESV-3000
VVB 11	8" DIA	650	170	0.10	12	2	10.4	117	136	0.9	0.2	ESV-3000
VVB 12	12" DIA	1440	550	0.11	11	2	29.7	110	140	3.0	0.7	ESV-3000

- ① EAT = 60 DEG F.
- ② FURNISH WITH ATTENUATOR.
- ③ EMT = 60 DEG F.
- ④ PIPE WITH 3-WAY VALVE.
- ⑤ DAMPER MOTOR BY CONTROL CONTRACTOR.

MARK	MANUFACTURER & MODEL NUMBER	CFM (ALT.)	E. S. P.	ELECTRICAL				TYPE	LOCATION	RPM	REMARKS
				HP	VOLTS	PHASE	HERTZ				
EF 1	GREENHECK G-85-E	160	0.25	1/40	120	60	1	ALUMINUM CENTRIFUGAL	ROOF MOUNTED	1050	MOUNT ON 12' HIGH CURB
EF 2	GREENHECK G-160-B	1275	0.625	1/4	120	60	1	ALUMINUM CENTRIFUGAL	ROOF MOUNTED	1140	MOUNT ON 12' HIGH CURB
EF 3	GREENHECK G-130-B	250	0.75	1/6	120	60	1	ALUMINUM CENTRIFUGAL	ROOF MOUNTED	1140	MOUNT ON 12' HIGH CURB
EF 4	GREENHECK GVB-14-4	850	0.25	1/4	120	60	1	ALUMINUM CENTRIFUGAL	WALL MOUNTED	755	
EF 5	GREENHECK G-85-G	140	0.375	1/30	120	60	1	ALUMINUM CENTRIFUGAL	ROOF MOUNTED	1300	MOUNT ON 12' HIGH CURB
EF 6	GREENHECK G-120	220	0.50	1/6	120	60	1	ALUMINUM CENTRIFUGAL	ROOF MOUNTED	1140	MOUNT ON 12' HIGH CURB

MARK	MANUFACTURER AND MODEL NO.	FILTER FRAME DIMENSIONS			FILTERS FARR RIGA-FLO 200-6'	MEDIA AREA PER SQ. FT.	EFF. % ①	APD AT 1200 CFM FOR 24 X 24 FILTER ②	ARRESTANCE % ASHRAE 52-76	MOUNT IN DISCHARGE AIR OF AIR HANDLING UNIT	REMARKS
		W	H	DP							
FF 1	FARR 4P GLIDE PACK HOUSING	6'-0"	3'-3-1/2"	12"	3- 24 X 24 3- 12 X 24	29	90 - 95	0.56	99	AH/1	PROVIDE TRANSITION PLATE FOR ADAPTION TO AIR HANDLER
FF 2	FARR 4P GLIDE PACK HOUSING ④	3'-0"	2'-3-1/4"	12"	1- 24 X 24 1- 12 X 24	29	90 - 95	0.56	99	RT/1	PROVIDE TRANSITION PLATE FOR ADAPTION TO AIR HANDLER
FF 3	FARR 4P GLIDE PACK HOUSING ④	3'-0"	2'-3-1/4"	12"	1- 24 X 24 1- 12 X 24	29	90 - 95	0.56	99	RT/2	PROVIDE TRANSITION PLATE FOR ADAPTION TO AIR HANDLER
FF 4	FARR 4P GLIDE PACK HOUSING ④	3'-0"	2'-3-1/4"	12"	1- 24 X 24 1- 12 X 24	29	90 - 95	0.56	99	RT/3	PROVIDE TRANSITION PLATE FOR ADAPTION TO AIR HANDLER

- ① IN ACCORDANCE WITH ASHRAE 52 - 76.
- ② INITIAL RESISTANCE WITH CLEAN FILTER.
- ③ ALL FILTERS SHALL BE SIDE ACCESS.
- ④ OUTDOOR ROOFTOP SERVICE - PAINT & SEAL FOR OUTSIDE SERVICE.

MARK	TYPE	MFG	MODEL	NECK SIZE	CFM RANGE	FRAME	MAT.	FINISH	COMMENT
D-1	CEILING DIFFUSER	TITUS	PAS	6" DIA	120	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-2	CEILING DIFFUSER	TITUS	PAS	8" DIA	200	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-3	CEILING DIFFUSER	TITUS	PAS	10" DIA	280	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-4	CEILING DIFFUSER	TITUS	PAS	12" DIA	360	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-5	CEILING DIFFUSER	TITUS	PAS	14" DIA	440	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-6	CEILING DIFFUSER	TITUS	PAS	6" DIA	120	TYPE 1	STEEL	OFF-WHITE	16 X 16 MODULE
D-7	CEILING DIFFUSER	TITUS	PAS	8" DIA	210	TYPE 1	STEEL	OFF-WHITE	16 X 16 MODULE
D-8	CEILING DIFFUSER	TITUS	PAS	16" DIA	560	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
D-9	CEILING DIFFUSER	TITUS	TDC	9 X 9	270		STEEL	OFF-WHITE	
D-10	CEILING DIFFUSER	TITUS	TDC	12 X 12	500				
S-1	SIDEWALL SUPPLY	TITUS		12 X 6	275				
S-2	SIDEWALL SUPPLY	TITUS		18 X 8	550				
R-1	CEILING RETURN	TITUS	PAR	22 X 22 ①	1340	TYPE 3	STEEL	OFF-WHITE	24 X 24 MODULE
R-2	CEILING RETURN	TITUS	PAR	10 X 22	610	TYPE 3	STEEL	OFF-WHITE	12 X 24 MODULE
R-3	CEILING RETURN	TITUS	PAR	14 X 14	540	TYPE 1	STEEL	OFF-WHITE	16 X 16 MODULE
R-4	FLOOR RETURN	TITUS	CT-480	12 X 6	160	HEAVY DUTY	ALUMINUM	SATIN ALUMINUM	
R-5	FLOOR RETURN	TITUS	CT-480	18 X 6	270	HEAVY DUTY	ALUMINUM		
R-6	FLOOR RETURN	TITUS	CT-480	36 X 6	490	HEAVY DUTY	ALUMINUM		
R-7	FLOOR RETURN	TITUS	CT-480	24 X 6	360	HEAVY DUTY			
R-8	SIDEWALL RETURN	TITUS	CT-580	24 X 3	205	SIDEWALL TYPE 11	ALUMINUM		
R-9	SIDEWALL RETURN	TITUS	25 RL	18 X 12	530		STEEL	OFF-WHITE	
R-10	SIDEWALL RETURN	TITUS	33 RS	12 X 18	580		STEEL	OFF-WHITE	
R-11	CEILING RETURN	TITUS	24 R	10 X 10					
R-12	FLOOR RETURN	TITUS	CT 480	24 X 6	360				
R-13	SIDEWALL RETURN	TITUS	12 X 16	12 X 16					
F-1	FLOOR SUPPLY	TITUS	CT-480	12 X 6	200				
F-2	FLOOR SUPPLY	TITUS	CT-480	18 X 6	300				
F-3	FLOOR SUPPLY	TITUS	CT-480	24 X 6					
E-1	CEILING EXHAUST	TITUS	25 R	6 X 6	100		STEEL	OFF-WHITE	
E-2	CEILING EXHAUST	TITUS	25 R	8 X 8	220		STEEL	OFF-WHITE	
E-3	CEILING EXHAUST	TITUS	25 R	10 X 10	315		STEEL	OFF-WHITE	
E-4	CEILING EXHAUST	TITUS	25 R	12 X 8	250				
E-5	CEILING EXHAUST	TITUS	SG-PR	9 X 9	110		STEEL	OFF-WHITE	
TG-1	TRANSFER GRILLE		25 R	6 X 6	100				
TG-2	TRANSFER GRILLE		25 R	8 X 8	220				
TG-3	TRANSFER GRILLE		25 R	10 X 10	315				
TG-4	TRANSFER GRILLE		25 R	12 X 12					
TG-5	TRANSFER GRILLE	TITUS	PAR	22 X 22					
L-1	FRESH AIR LOUVER	AIRLITE	K-638						

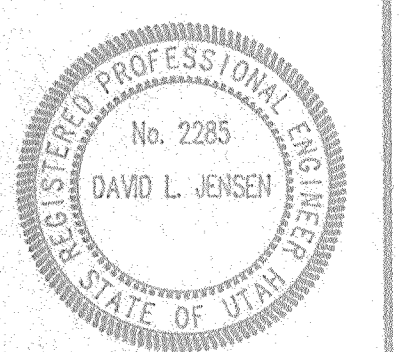
- ① MAY REQUIRE TRANSITION.
- ② CHECK DRAWINGS FOR BLOW DIRECTION.
- ③ INSTALL TAMPER PROOF SCREWS IN SECURE PATIENT AREA.

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DATE: JAN. 4, 1993  
JOB # 9110  
BY: TLG  
REVISIONS

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M 4.1

19110-AB1001A2.DWG  
SHEET 5 OF 14

**B**  
**1** BOILER

FULTON MODEL NO. PHW 300, 30 PSI MAXIMUM OPERATING PRESSURE, NATURAL GAS FIRED 300,000 BTU INPUT, 268,500 BTU OUTPUT, PULSE COMBUSTION, REQUIRED 10" TO 12" GAS SUPPLY PRESSURE, ARMSTRONG ILD BOILER DRAIN TRAP, WITH BOILER GAS TRAIN WITH MINIMUM REQUIREMENTS OF UTAH STATE BOILER CODE CSD-1, WITH BAROMETRIC DAMPER, PRE-PURGE FAN, LOW WATER CUTOFF SWITCH, VIBRATION ISOLATORS FOR HOT WATER SUPPLY AND RETURN CONNECTIONS, PRE-WIRED BOILER CONTROL PANEL WITH WATER TEMPERATURE CONTROL THERMOSTAT, AND HI-LIMIT WATER TEMPERATURE THERMOSTAT, ASME PRESSURE RELIEF VALVE, PRESSURE TEMPERATURE GAUGE, SPRING VIBRATION - SEISMIC ISOLATORS AND MOUNTING RAILS, WITH ELECTRIC ALARM CONTACTS INDICATING BOILER FAILURE FOR REMOTE MONITORING BY TEMPERATURE CONTROL CONTRACTOR BOILER COMBUSTION AIR INTAKE PIPING TO BE PVC PLASTIC PIPING, EXHAUST PIPING SHALL BE HIGH TEMPERATURE PLEX-VENT AS RECOMMENDED BY BOILER SUPPLIER. PROVIDE REQUIRED DRAIN, VENT, AND PIPING CONNECTION TO SYSTEM AS REQUIRED. UNIT TO BE PROVIDED WITH MICRO-PROCESSOR CONTROL.

**CU**  
**1** AIR COOLED CONDENSING UNIT

CARRIER MODEL NO. 38AK024, ACCESSIBLE HERMETIC COMPRESSOR, AIR COOLED CONDENSING UNIT, NOMINAL 20 TONS, ELECTRICALLY UNLOADED, WITH HOT GAS BYPASS, WITH SUCTION, LIQUID, AND HOT GAS CONNECTIONS, 95 DEG F CONDENSING ENTERING TEMPERATURE, 208/60/3, 92.1 MINIMUM CIRCUIT AMPACITY, 150 AMPS MAXIMUM OVERCURRENT PROTECTION, 75.2 UNIT FLA. COMPRESSOR 68.0 RLA, 345 LRA, CONDENSER 2-FANS 2.6 FLA EACH. PROVIDE SOLID STATE HEAD PRESSURE CONTROL TO REGULATE CONDENSER FAN MOTOR SPEED. UNLOADING 100%, 50%, WITH HOT GAS BYPASS FOR MODULATION OF FIRST STAGE ON AND LAST STAGE OFF. UNIT PROVIDED WITH PRE-WIRED STARTERS AND CONTROL PANEL MOUNTED ON UNIT. CONTROL OF CONDENSING UNIT TO BE ACCOMPLISHED IN CONJUNCTION WITH AH/1 WITH CARRIER PIC CONTROL PANEL MOUNTED AT AIR HANDLING UNIT AH/1.

**AH**  
**1** AIR HANDLING UNIT

CARRIER MODEL NO. 39NX17, HORIZONTAL DOUBLE WALL VARIABLE VOLUME AIR HANDLING UNIT, WITH 2" THICK INSULATION WITH 20 GAUGE INTERNAL GALVANIZED STEEL LINER. UNIT SHALL HAVE NESTED INLET VANES WITH ELECTRIC OPERATOR UNIT SHALL DELIVER 8505 CFM AT ALTITUDE, WITH AN EXTERNAL STATIC PRESSURE OF 3.0 INCHES V.G. FAN MOTOR SHALL BE 10HP, 208/60/3, ODP, 1750 RPM, V-BELT DRIVE. FAN AND MOTOR WITH V-BELT DRIVE ALL INTERNAL OF FAN CABINET. FAN SHALL BE BI AIRFOIL TYPE, 19.69 INCH DIAMETER DWDI, RUNNING AT 2172 RPM, 8 BLADES. DX INTERMIXED ROW SPLIT, 6 ROW, 8 FPI, HF CIRCUITED, 2-STAGES, 16.20 SQUARE FOOT FACE AREA, 525 FPM FACE VELOCITY, 209.1 MBH TOTAL COOLING, 203.3 MBH SENSIBLE COOLING, 0.36 INCHES A.P.D., 76.3 DEG F DB, 58.20 DEG F WB, ENTERING AIR: 49.80 DEG DB, 48.16 DEG F WB, LEAVING AIR, WITH TWO THERMAL EXPANSION VALVES, ALUMINUM FINS, COPPER TUBES, WITH CONDENSATE DRAIN MIXING BOX WITH AUTOMATIC OUTDOOR AIR, AND RETURN AIR DAMPERS, LOW LEAK, WITH EXTENDED RSD. FLAT FILTER SECTION, WITH 30%, 2" FARR 30/30 FILTERS, WITH 3-16" X 20" X 2" FILTERS, AND 3-20" X 25" X 2" FILTERS, WITH HINGED ACCESS DOOR, AND FILLER PIECES. CARRIER PIC CONTROL SECTION FOR CONTROL OF DX COOLING OF COOLING COIL AND CONDENSING UNIT CU/1. PROVIDE CONTACT CLOSURE FOR FILTER ALARMS.

**RH**  
**1** RELIEF HOODS

GREENHECK FABRA-HOOD FOR RELIEF AIR WITH BIRD SCREEN, 42" X 42" THROAT, 8000 CFM @ AN A.P.D. OF 0.046 INCHES, OVERALL HOOD SIZE 67" X 72". PROVIDE 12" HIGH SHEET METAL CURB WITH WOOD NAILER.

**AE**  
**1** AIR ELIMINATOR

SPIROTHERM "SENIOR", SIZE 1-1/2", MICRO-BUBBLE SEPARATOR, WITH AUTOMATIC AIR RELEASE VALVE WITH FLOAT, AND WITH BOTTOM DRAIN CONNECTION.

**ET**  
**1** EXPANSION TANK

BELL AND GOSSETT SERIES "D" ASME PRESSURIZED VERTICAL EXPANSION TANK. MODEL D-60V, TANK CAPACITY = 33.6 GALLONS, ACCEPTANCE VOLUME = 11.1. SIZE = 16-1/4" X 43". MAXIMUM PRESSURE = 125 PSI, MAXIMUM TEMPERATURE = 240 DEG F.

**BB**  
**1** ELECTRIC BASE BOARD RADIATION

Q-MARK QMKC2513, 120/60/1, 6.3 AMPS, 750 WATTS, LENGTH 3'-0", WITH BUILT-IN PRE-WIRED THERMOSTAT, WITH EXTERNAL ADJUSTMENT. FINISH SHALL BE BAKED ON ENAMEL FINISH, WITH ALUMINUM FINS BONDED TO STEEL SHEATHED ELEMENT, 18 GAUGE FRONT COVER AND BRACKETS, U.L. LISTED.

**P**  
**1** HOT WATER HEATING PUMP

BELL AND GOSSETT SERIES 3531 1' X 1.5' X 6' CLOSE COUPLED STAINLESS STEEL CENTRIFUGAL PUMP. 25 GPM AT 36 FT OF HEAD. 1.0 MOTOR HORSEPOWER, ODP, 1750 RPM, 208/60/3. SUCTION = 1.5', DISCHARGE = 1.0', IMPELLER SIZE = 6.0".

**SOUND TRAPS**

MARK	MANUFACTURER AND MODEL NO.	CFM	APD IN. V.G.	SIZE IN.			VEL FPM	INSERTION LOSS Db. OCTAVE BAND								SELF NOISE SRD OCTAVE BAND Db	GENERAL
				W	H	L		1	2	3	4	5	6	7	8		
ST 1	IAC CLEAN FLOW HS	3455	0.2	2'	2'	3'	+1000	7	9	14	19	22	28	30	13	49	CAULK IN DUCT CONNECTIONS AIR TIGHT
ST 2	IAC CLEAN FLOW HS	3455	0.2	2'	2'	3'	-1000	7	11	17	22	25	30	30	13	50	CAULK IN DUCT CONNECTIONS AIR TIGHT
ST 3	IAC CLEAN FLOW HS	6035	0.18	3'	3'	3'	-1000	7	9	14	19	22	28	30	13	50	CAULK IN DUCT CONNECTIONS AIR TIGHT
ST 4	IAC CLEAN FLOW HS	6035	0.39	2'	3'	5'	+1000	9	13	19	26	35	44	35	15	49	CAULK IN DUCT CONNECTIONS AIR TIGHT

**AIR COOLED CONDENSING UNITS**

SEE SEPARATE SCHEDULE FOR CU/1

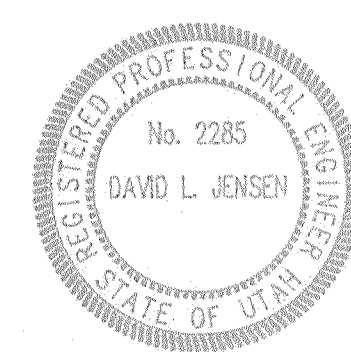
MARK	MANUFACTURERS MODEL NO.	UNIT SERVED	MIN. SIZE TONS	M.C.A. 1	COMPRESSOR MOTOR				CONDENSER MOTOR			REFRIG. TYPE	REMARKS
					NO.	VOLT	PHASE	HERTZ	VOLTS	PHASE	HERTZ		
CU 2	CARRIER 38TKB024	RT/2	2.0	14.5	1	208	60	1	208	1	60	R-22	MOUNT ON 12" HIGH CURB W/SPRING ISOLATORS
CU 3	CARRIER 38TKB042	RT/3	3.0	19.9	1	208	60	1	208	1	60	R-22	MOUNT ON 12" HIGH CURB W/SPRING ISOLATORS
CU 4	CARRIER 38TKB024	RT/4	2.5	17.9	1	208	60	1	208	1	60	R-22	MOUNT ON 12" HIGH CURB W/SPRING ISOLATORS

① MINIMUM CIRCUIT AMPS.

**ROOFTOP UNITS RT/2, RT/3 & RT/4 SCHEDULE**

MARK	MANUFACTURER AND MODEL NO.	CFM (ALT.)	EXT. S.P. IN.	COOLING COIL					FACE AREA SQ. FT.	TOTAL MBH	ELECTRICAL				HEATING COIL				FILTERS				MIN. D.A. CFM						
				TYPE	EAT DB	EAT WB	LAT DB	LAT WB			A.P.D. IN. V.G.	HP	VOLTS	HERTZ	PH	MARK	TYPE	NO. STEPS	TOTAL KW	VOLTS	HERTZ	PHASE		SIZE	TYPE EFF.	AREA SQ. FT.	NO. & SIZE	WHEEL DIA.	WHEEL WIDTH
RT 2	MAGIC-AIRE 36BRX	1000	1.5'	DX	76.7	59.3	54.2	51.1	0.40	3.06	24	1	208	60	3	RT-2	ELEC.	5	10	208	60	3	2'	50%	4.4	(2) 16x20	10	6	204
RT 3	MAGIC-AIRE 36BRX	1300	1.5'	DX	75.9	59.0	54.8	51.9	0.46	3.06	42	1.5	208	60	3	RT-3	ELEC.	7	14	208	60	3	2'	50%	4.4	(2) 16x20	10	6	204
RT 4	MAGIC-AIRE 36BRX	1280	1.5'	DX	75.2	57.8	54.8	52.0	0.45	3.06	24	1.5	208	60	3	RT-4	ELEC.	7	14	208	60	3	2'	50%	4.4	(2) 16x20	10	6	144

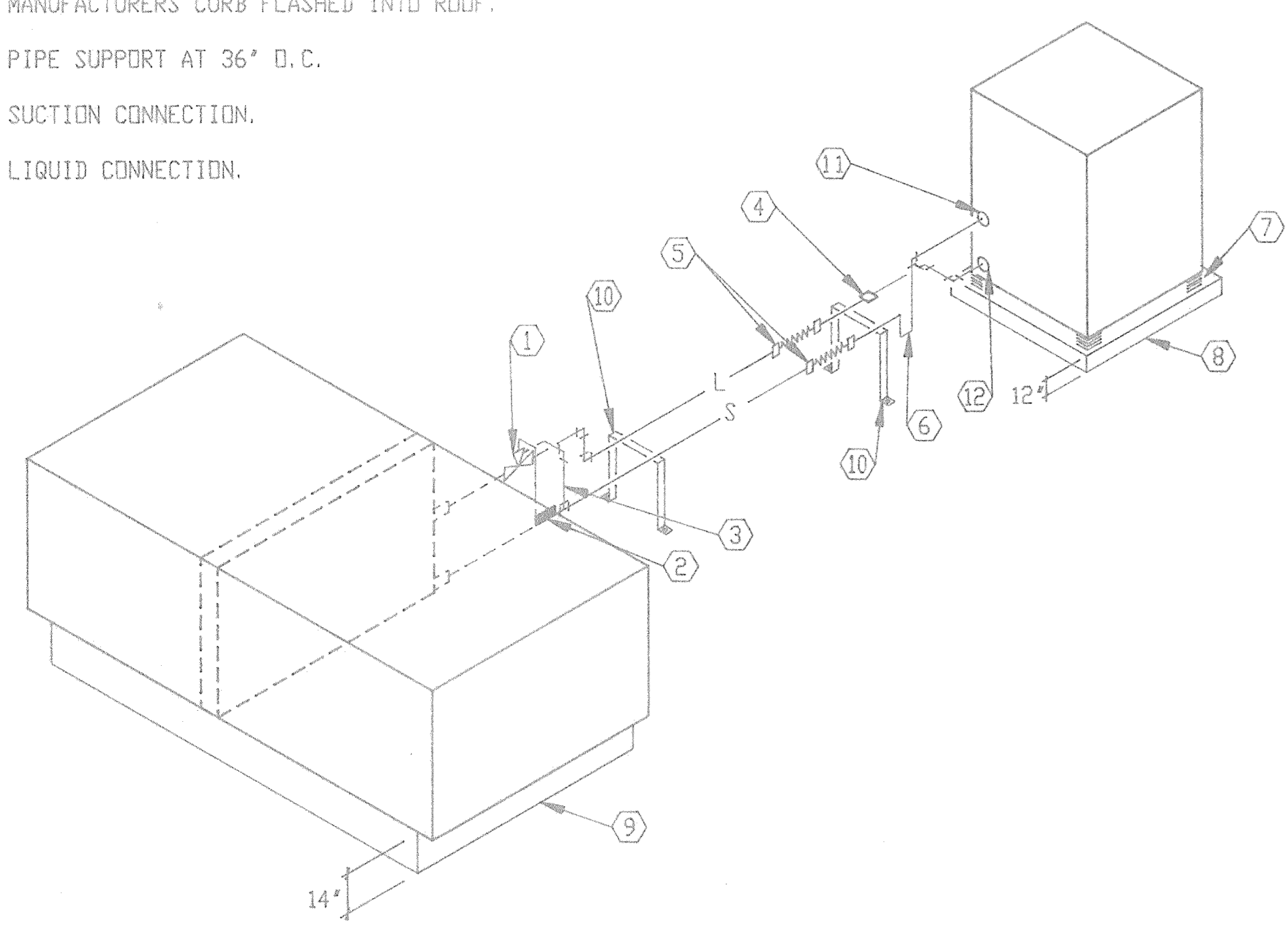
NOTES: AIRTHERM MODEL BRX SERIES ROOF TOP UNITS, WITH 14 INCH HIGH FACTORY ROOF CURB FOR FLASHING INTO ROOF, WITH SIDE ACCESS 30% EFFICIENT FILTERS EQUAL TO FARR 30/30, WITH DX COOLING COIL, WITH F.C. SINGLE SPEED FAN MOTOR, 1750 RPM ODP MOTOR. UNIT SHALL HAVE BOTTOM INLET, AND FRONT DISCHARGE OUTLET, V-BELT DRIVE, OUTDOOR AIR INTAKE HOOD FOR MINIMUM OUTDOOR AIR. FINAL FILTERS FF/2, FF/3 & FF/4 FIELD MOUNTED ON DISCHARGE OF ITS RELATED UNITS RT/2, RT/3 & RT/4.



SYMBOL	DESCRIPTION
	REFRIGERANT SHUT-OFF VALVE
	EXPANSION VALVE
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
	FILTER DRIER
	HOT GAS LINE
	EXTERIOR PIPE SUPPORT
	DIRECTION OF SLOPE DOWN
	SUCTION LINE
	LIQUID LINE
	TRAP, ONE PIECE FACTORY FABRICATED

ROOFTOP UNIT RT/2, RT/3 & RT/4 REFRIGERATION PIPING SCHEMATIC

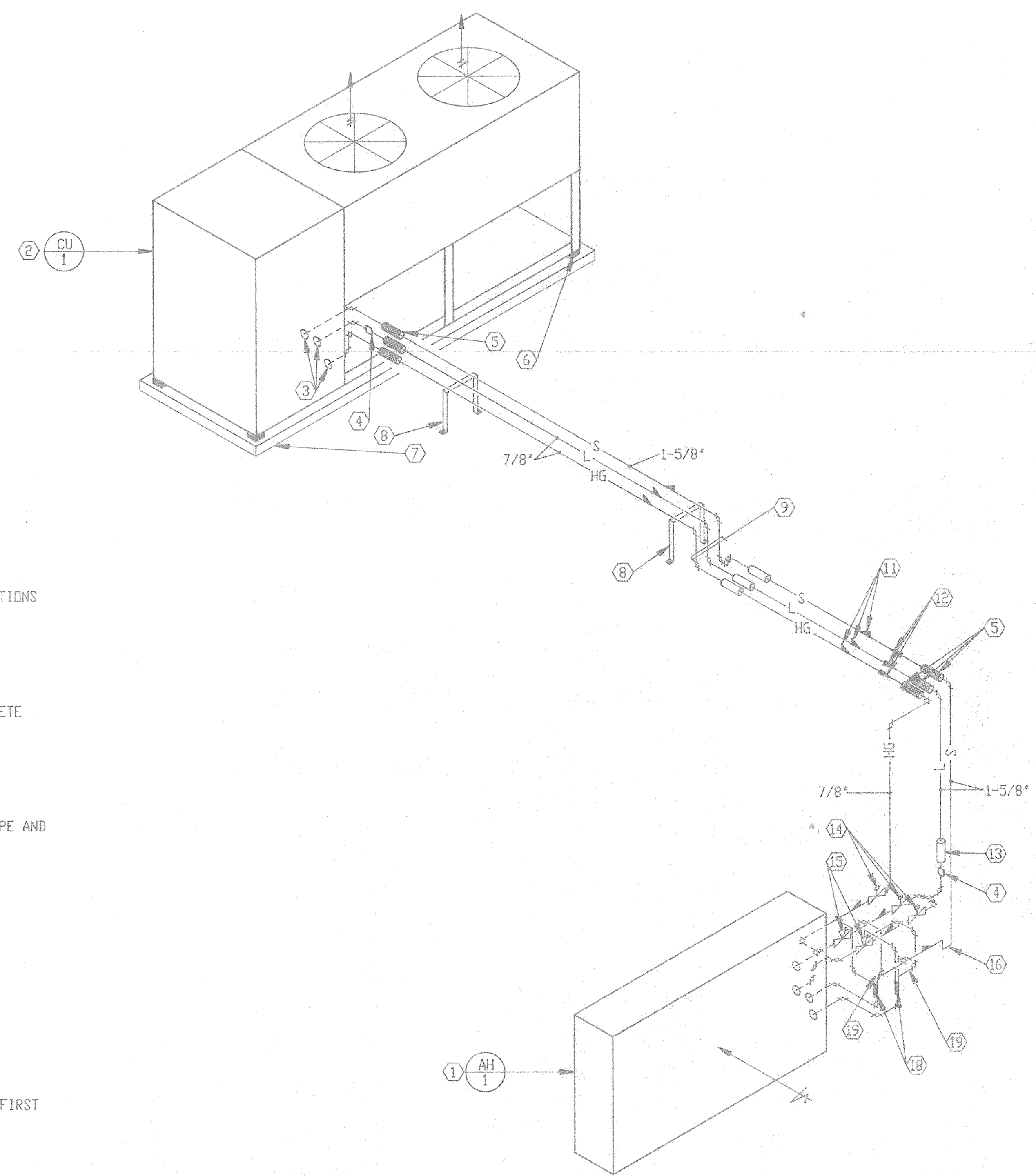
- ① EXPANSION VALVE.
- ② STRAP BULB TO SUCTION LINE.
- ③ EQUALIZING LINE.
- ④ SITE GLASS.
- ⑤ FLEXIBLE CONNECTORS.
- ⑥ OIL TRAP.
- ⑦ SPRING ISOLATOR.
- ⑧ JOB BUILT CURB FLASHED INTO ROOF.
- ⑨ MANUFACTURERS CURB FLASHED INTO ROOF.
- ⑩ PIPE SUPPORT AT 36° D.C.
- ⑪ SUCTION CONNECTION.
- ⑫ LIQUID CONNECTION.



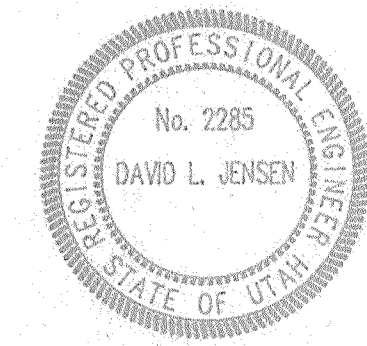
ROOF TOP UNIT RT/2, RT/3 & RT/4 REFRIGERANT PIPING SCHEMATIC  
NO SCALE

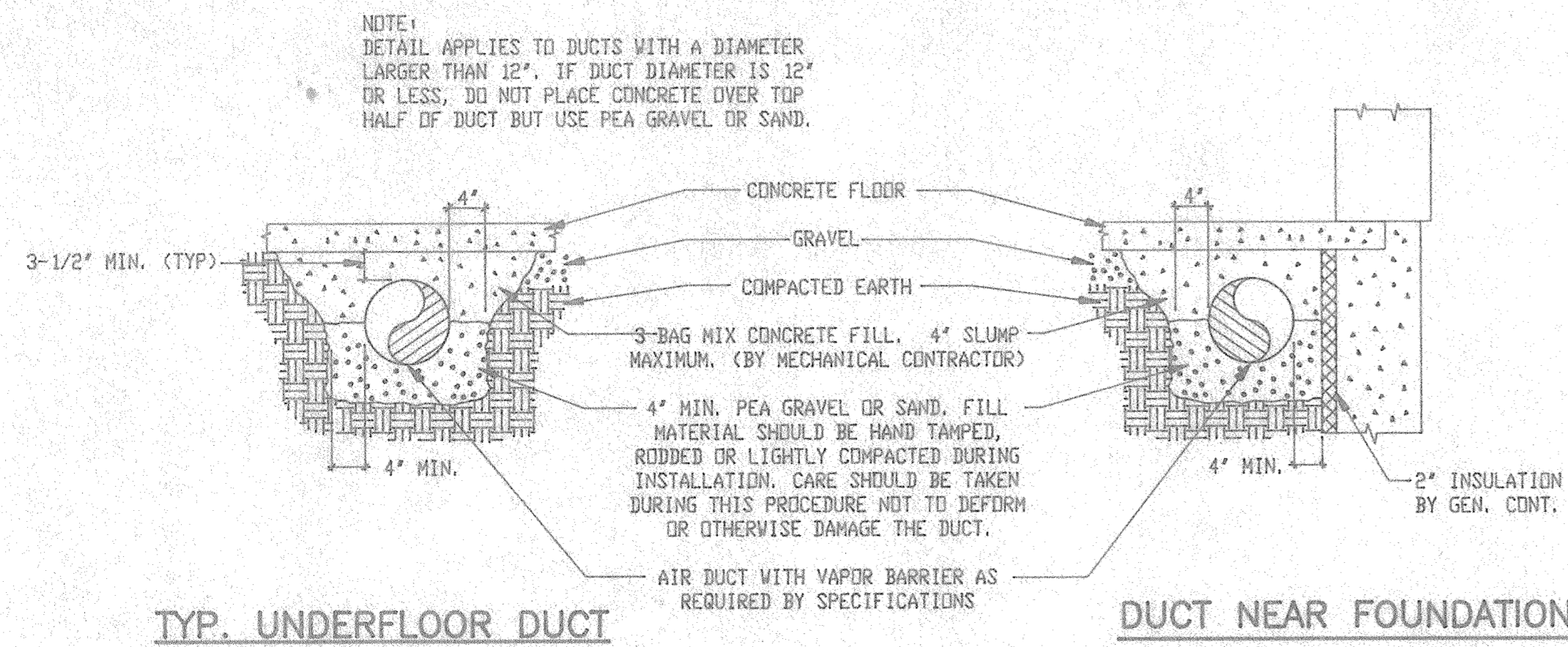
REFRIGERATION PIPING SCHEMATIC DX COOLING COIL FOR AH-1

- ① ROW SPLIT INTERTWINED DX COOLING COIL 2-STAGES.
- ② NOMINAL 20 TON AIR COOLED CONDENSING UNIT.
- ③ CONNECT L, S, & HG PIPING TO CONDENSING UNIT AT LOCATIONS REQUIRED BY MANUFACTURER OF UNIT.
- ④ SITE GLASS.
- ⑤ FLEXIBLE CONNECTORS.
- ⑥ ISOLATORS AS SPECIFIED. SEISMICALLY ANCHOR TO CONCRETE PAD.
- ⑦ 4" HIGH CONCRETE HOUSEKEEPING PAD.
- ⑧ PIPE SUPPORTS BY UNISTRUT - GALVANIZED.
- ⑨ SLEEVE AROUND PIPING IN DIRT WITH SCHEDULE 40 PVC PIPE AND INSULATE ALL PIPE IN DIRT AND CONCRETE.
- ⑩ SLEEVE AROUND PIPE THROUGH WALL.
- ⑪ DIRECTION OF SLOPE DOWNWARD.
- ⑫ DIRECTION OF FLOW.
- ⑬ FILTER-DRIER.
- ⑭ SOLENOID VALVES BY CONDENSING UNIT SUPPLIER.
- ⑮ EXPANSION VALVE.
- ⑯ OIL TRAP.
- ⑰ CONNECT HOT GAS LINE TO SIDE PORT OF LIQUID LINE OF FIRST ON LAST OFF ZONE.
- ⑱ THERMAL BULB STRAP TO SUCTION LINE.
- ⑳ EQUALIZATION LINE.
- ㉑ 4" DEEP TRAP ON CONDENSATE DRAIN. RUN DRAIN TO FLOOR DRAIN.



REFRIGERATION PIPING SCHEMATIC DX COOLING COIL FOR AH-1  
NO SCALE

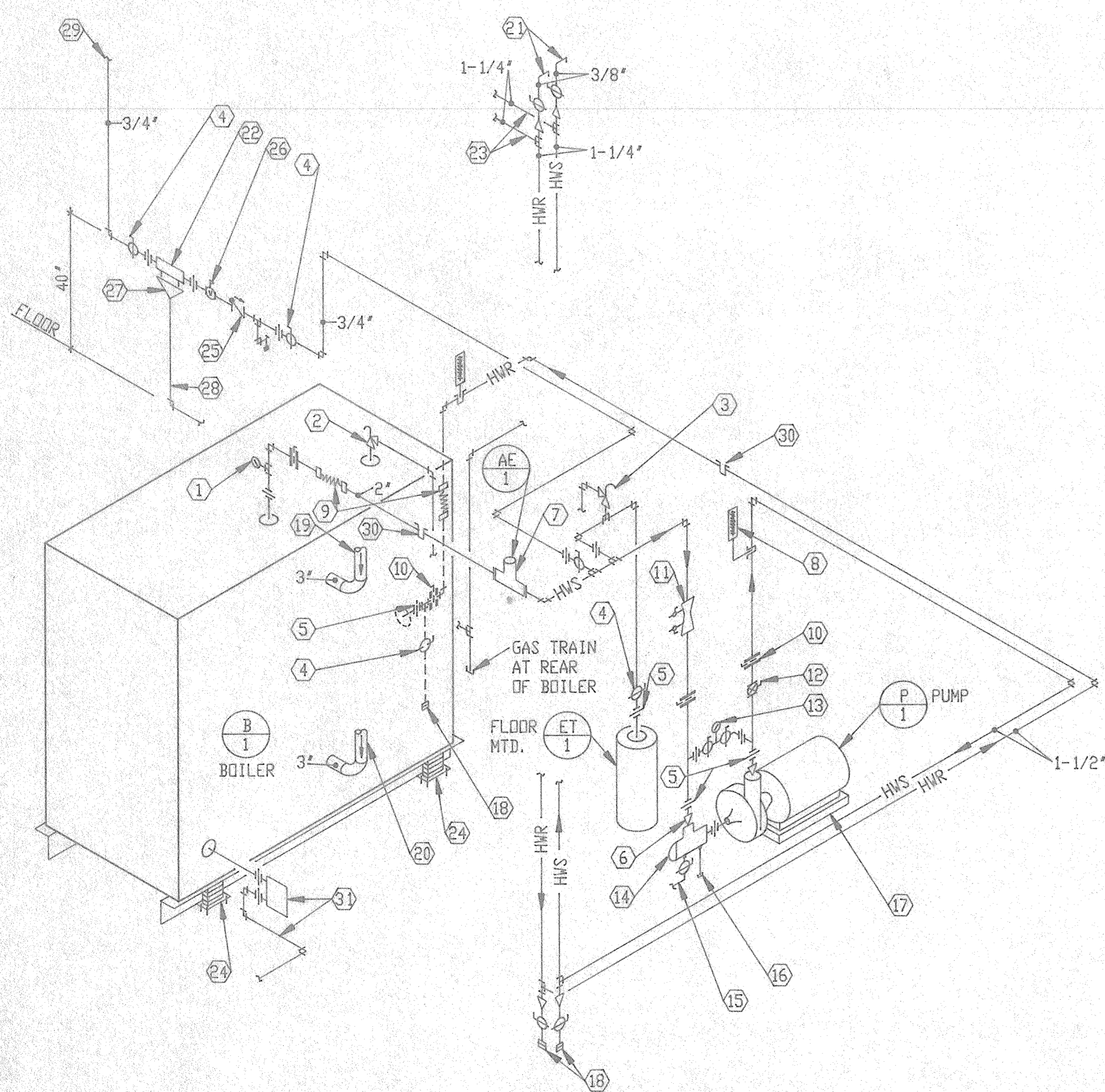




UNDERFLOOR DUCT DETAILS 11  
NO SCALE

NOTES FOR BOILER PIPING SCHEMATIC

- 1 BOILER PRESSURE TEMPERATURE GAUGE.
- 2 BOILER RELIEF VALVE. DROP DOWN TO 6" ABOVE FLOOR, ONE ELBOW ONLY.
- 3 SYSTEM B & G RELIEF VALVE 790-75, 3/4" X 3/4". RUN OUTLET TO 6" ABOVE FLOOR.
- 4 BALL VALVE.
- 5 UNION (TYPICAL).
- 6 BLADDER TYPE EXPANSION TANK. RACK ON SIDE OF WALL WITH KNEE BRACES.
- 7 SPIROTHERM AIR ELIMINATOR.
- 8 THERMOMETER.
- 9 FLEXIBLE CONNECTORS PROVIDED BY BOILER MANUFACTURER.
- 10 MANUAL BUTTERFLY VALVE.
- 11 VENTURI.
- 12 PLUG VALVE TO BALANCE FLOW.
- 13 PRESSURE GAUGE.
- 14 SUCTION DIFFUSER.
- 15 1/2" DRAIN TO FLOOR DRAIN.
- 16 3/4" SUPPORT PIPE WITH CAP.
- 17 6" HIGH CONCRETE HOUSE KEEPING PAD.
- 18 HOSE CONNECTION WITH V.B.
- 19 3" PVC FRESH AIR INTAKE, RUN TO 2 FEET ABOVE ROOF.
- 20 3" PVC EXHAUST AIR DISCHARGE, RUN TO 2 FEET ABOVE ROOF.
- 21 MANUAL 3/8" VENTS AT HIGH POINTS.
- 22 3/4" REDUCED PRESSURE BACK FLOW PREVENTER.
- 23 PIPING TO VVB REHEAT COILS.
- 24 SPRING ISOLATOR AND RAIL BY BOILER MANUFACTURER.
- 25 CHECK VALVE.
- 26 COMBINATION FILL AND RELIEF VALVE, B&G FB-38.
- 27 FUNNEL WITH 2" AIR GAP TO RPBP.
- 28 RUN 3/4" DRAIN TO FLOOR DRAIN.
- 29 3/4" COLD WATER FILL LINE.
- 30 3/4" NPT WELL BY ATC CONTRACTOR.
- 31 ARMSTRONG NO. 1LD BOILER DRAIN WITH PVC PIPE TO FLOOR DRAIN.

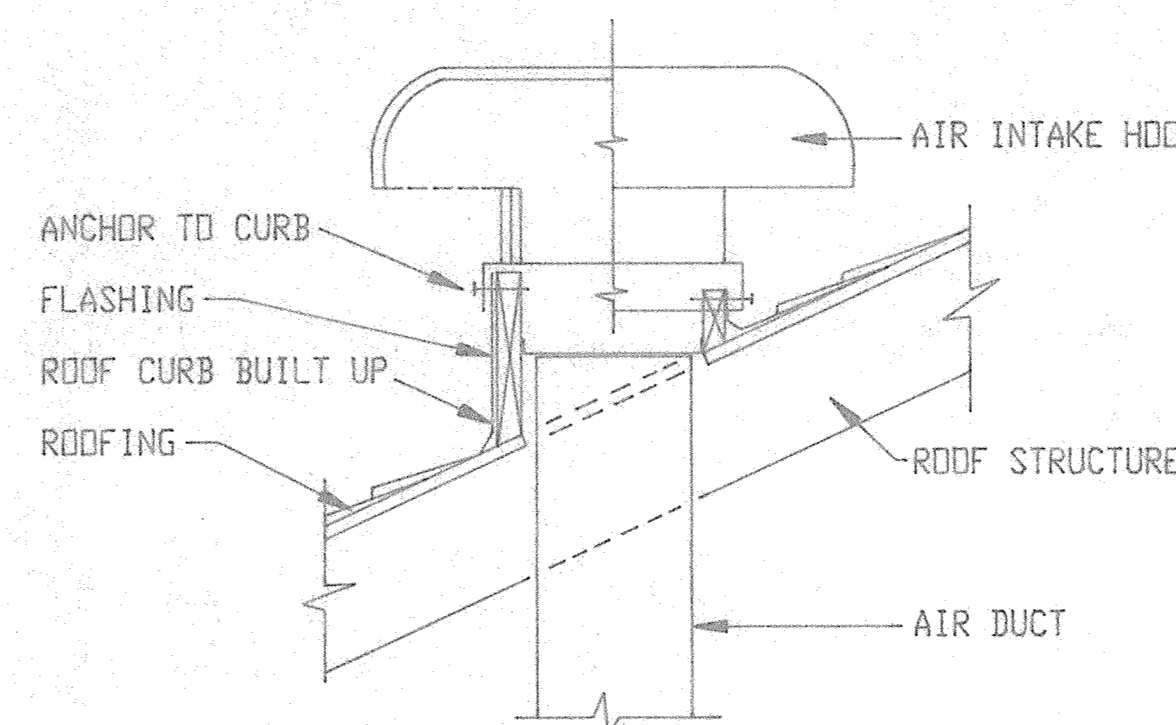


BOILER PIPING SCHEMATIC  
NO SCALE

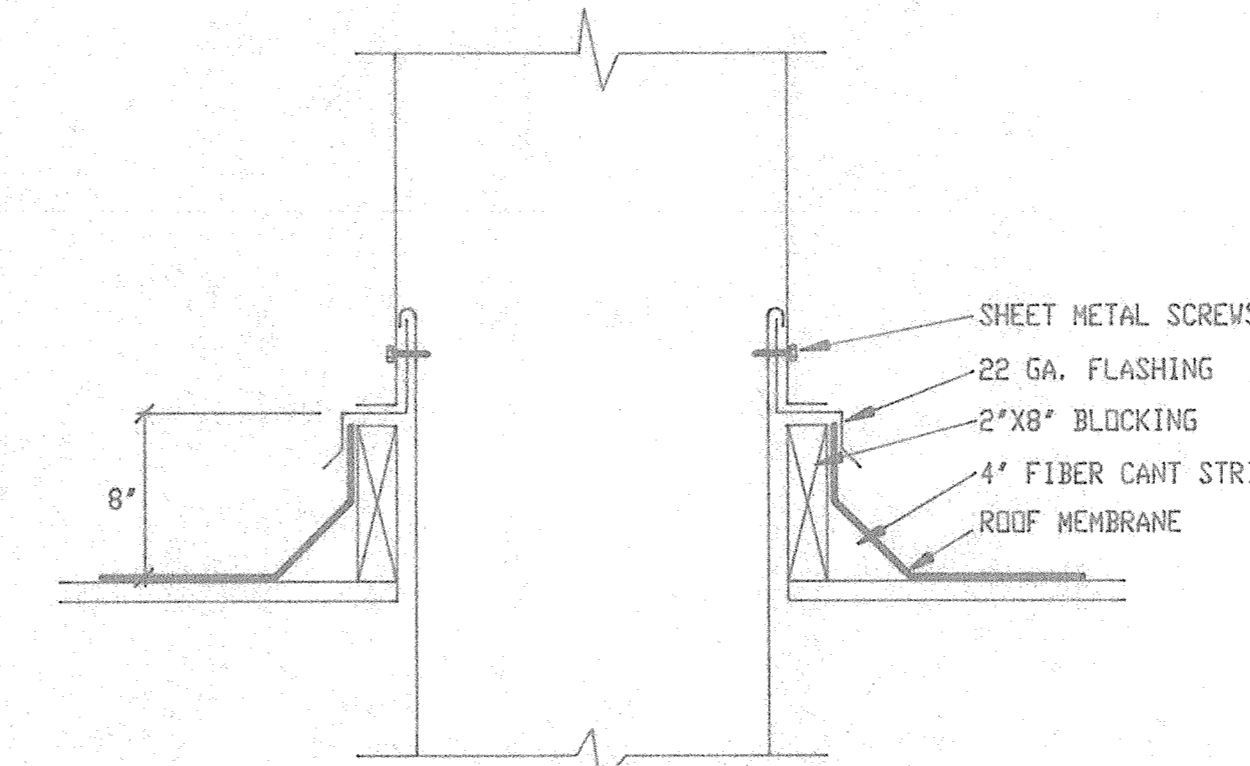
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FLOOR SIDES)	TRANSVERSE REINFORCING AT JOINTS			
		MIN. #	MIN. DIA.	MIN. DIA.	MIN. DIA.
10 - 12	26	NONE REQ.	1	26	24
13 - 18	24	NONE REQ.	1	24	24
19 - 20	24	10X1/8 @ 6"	1	-	24
21 - 45	22	10X1/8 @ 6"	1	-	22

TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED

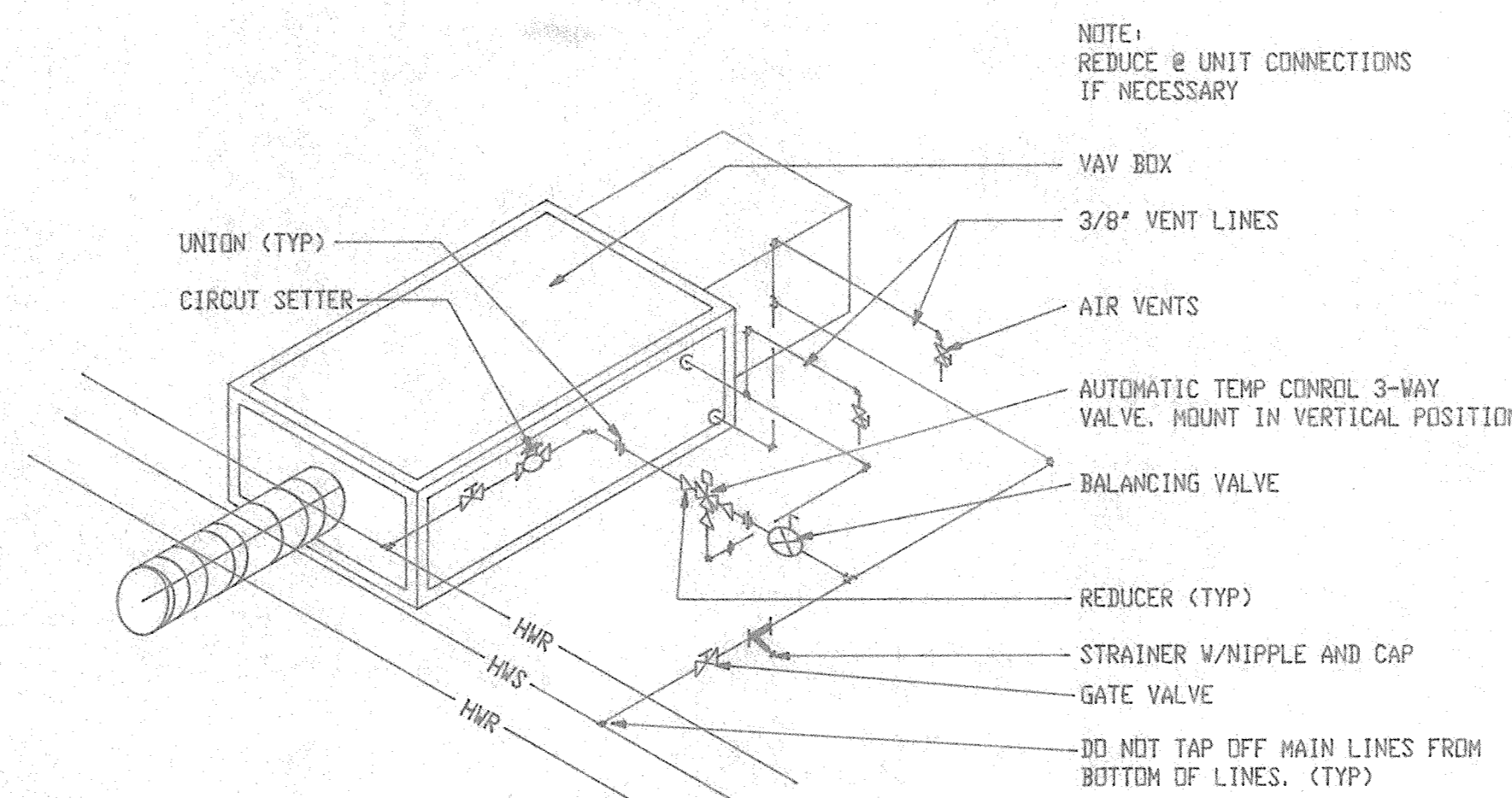
DUCT CONSTRUCTION DETAIL 6  
NO SCALE



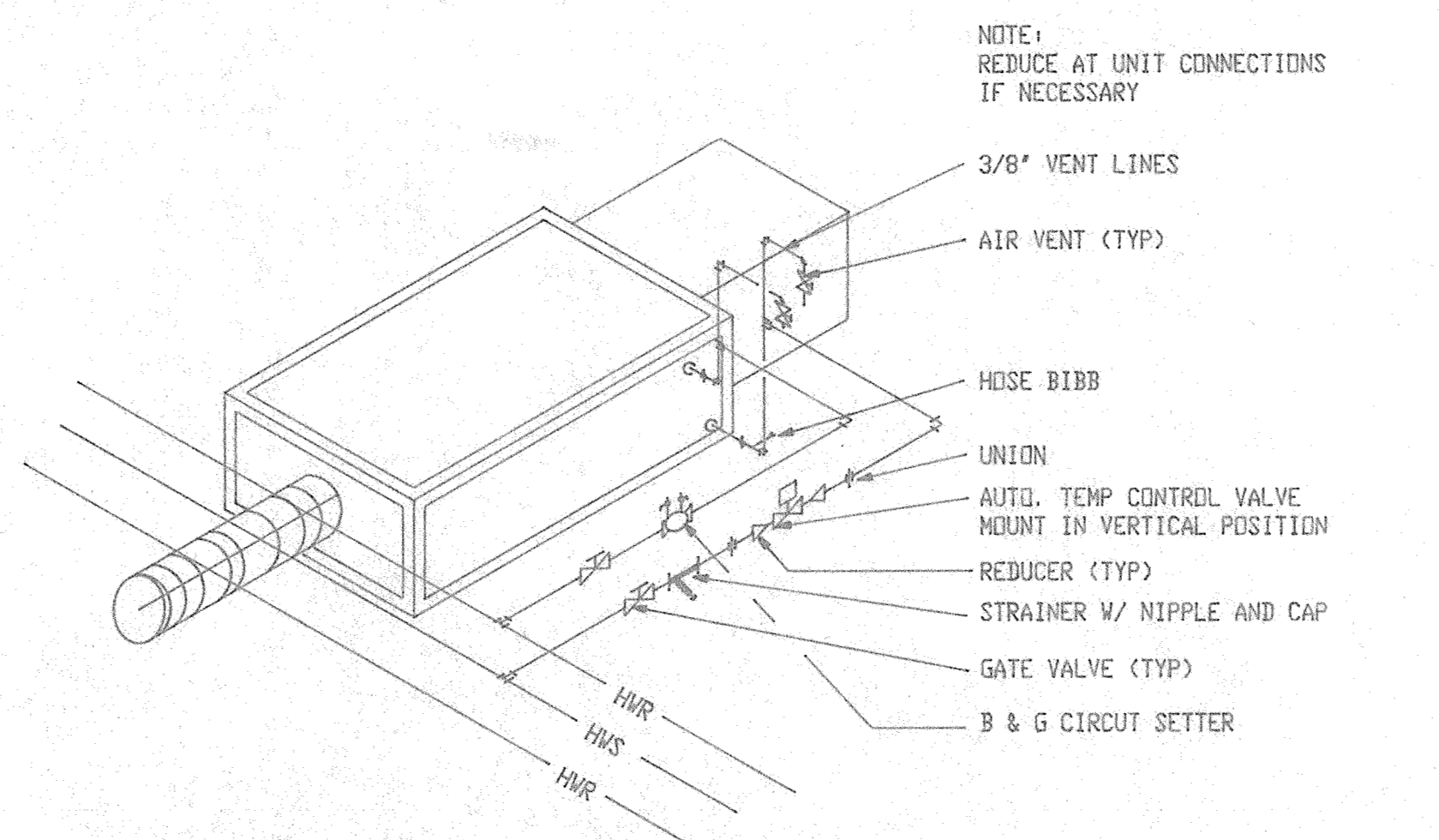
AIR INTAKE DETAIL 7  
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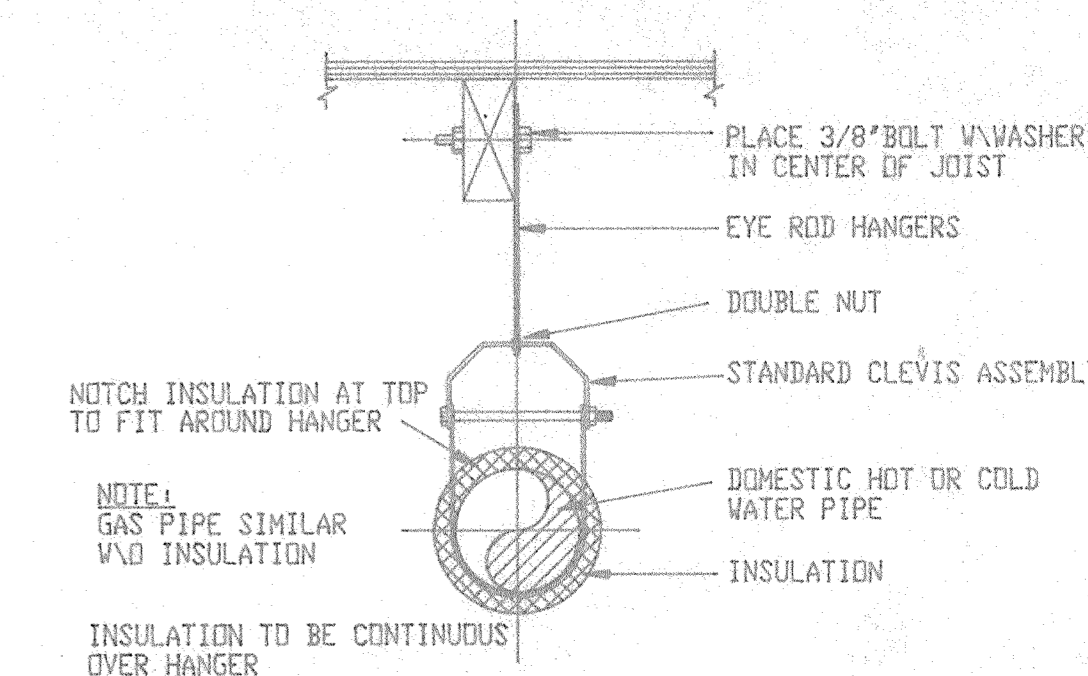
ROOF DUCT PENETRATION DETAIL 8  
NO SCALE



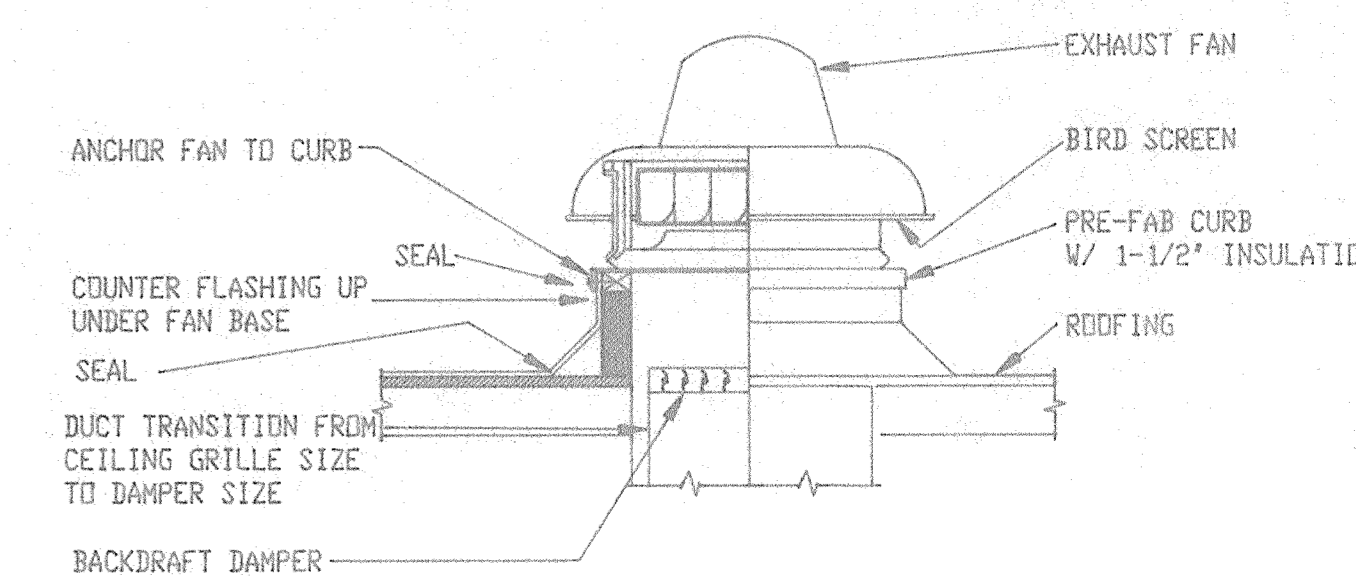
VAV BOX PIPING DETAIL WITH 3-WAY AUTO VALVE 9  
NO SCALE



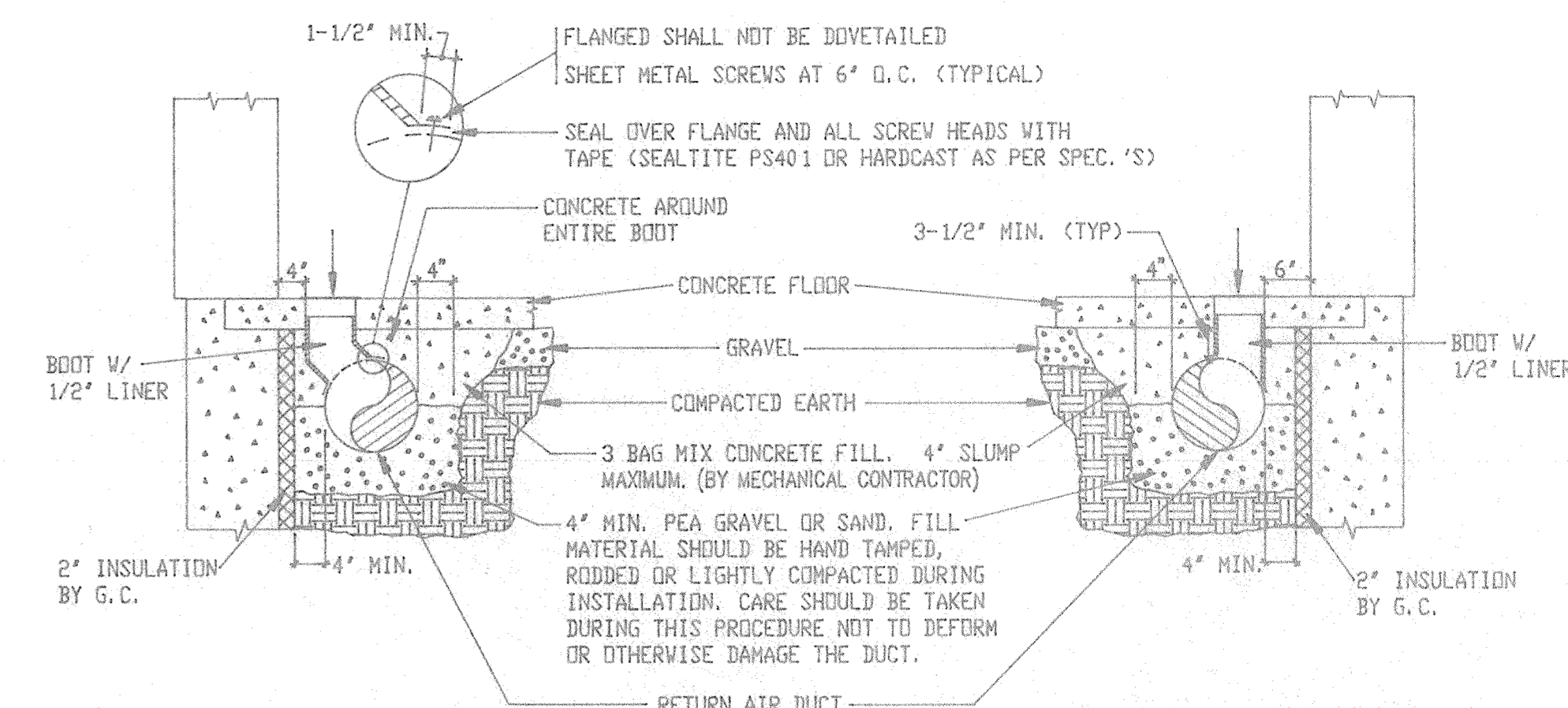
VAV BOX PIPING DETAIL WITH 2-WAY AUTO VALVE 10  
NO SCALE



PIPE HANGER DETAIL 1  
NO SCALE



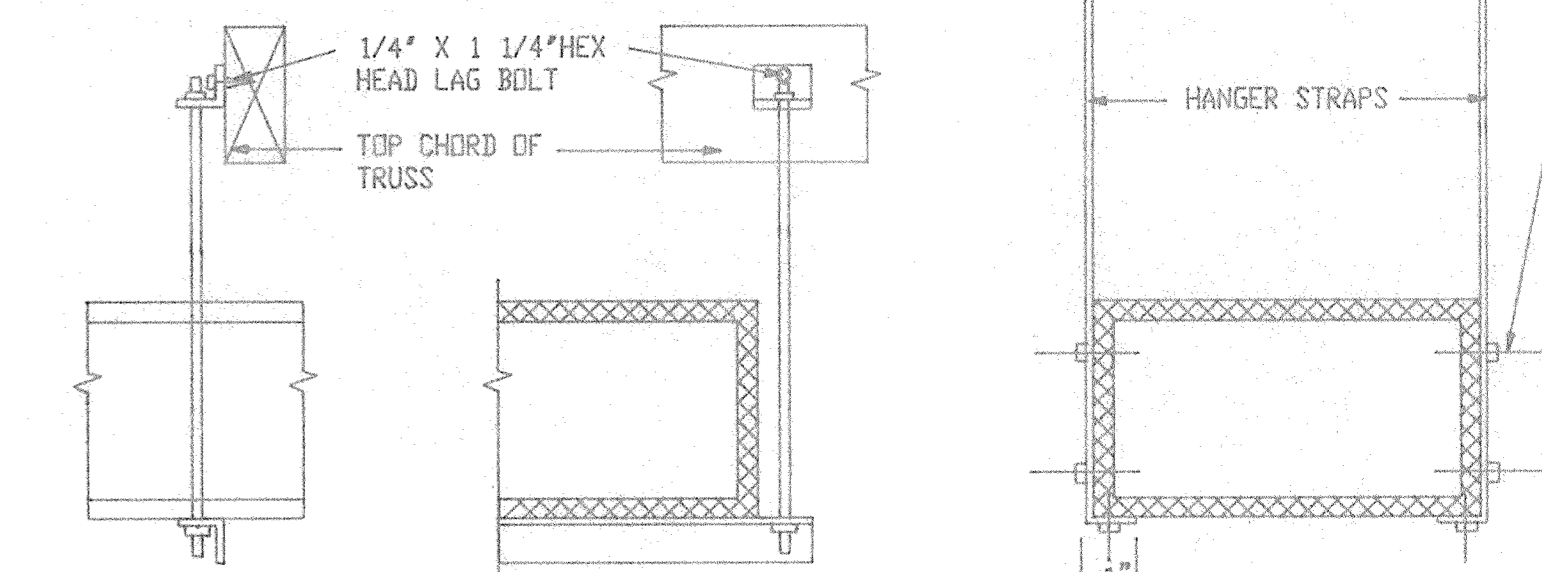
ROOF EXHAUST FAN DETAIL 2  
NO SCALE



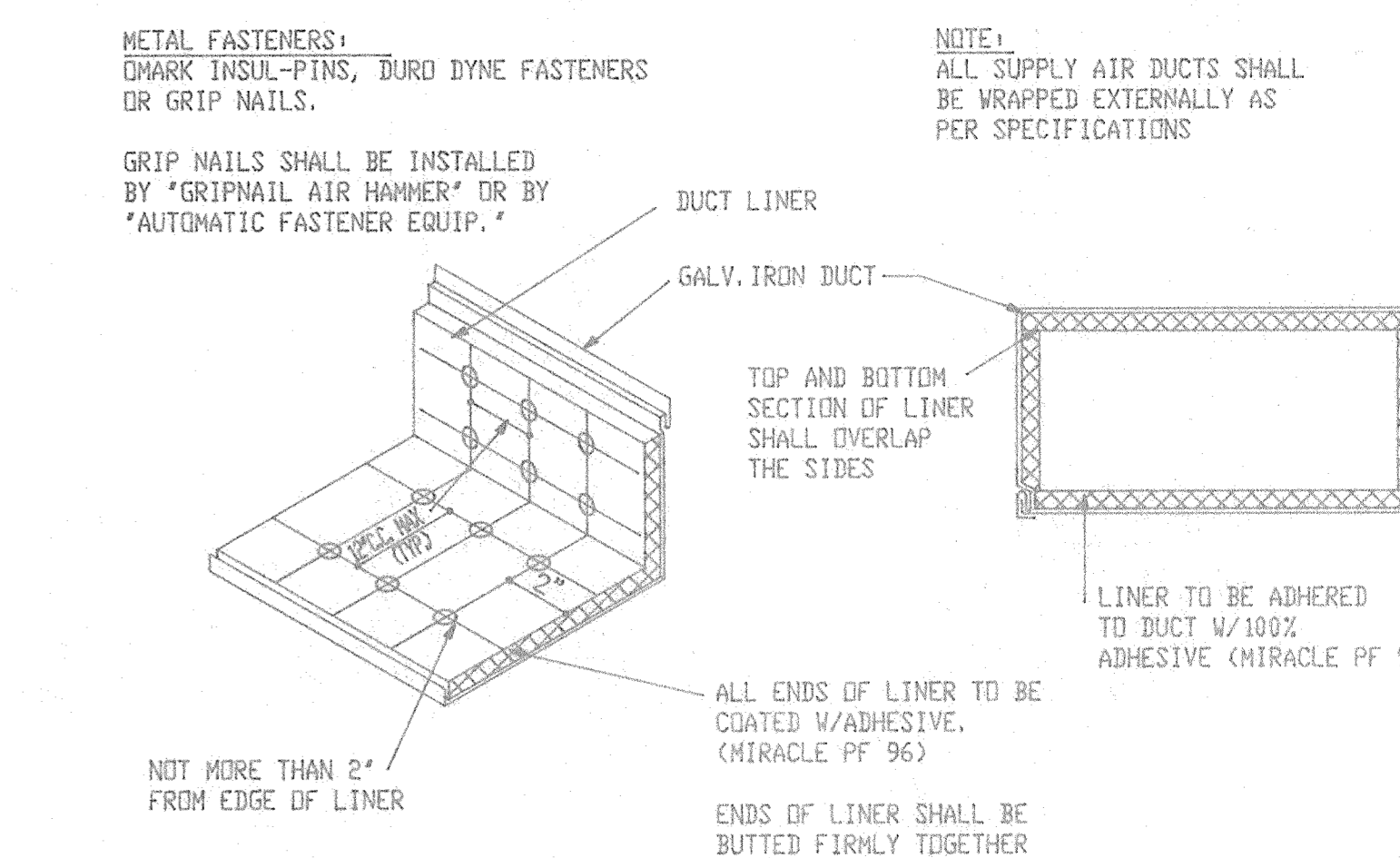
UNDERFLOOR DUCT WITH STANDARD BOOT

UNDERFLOOR DUCT DETAILS 3  
NO SCALE

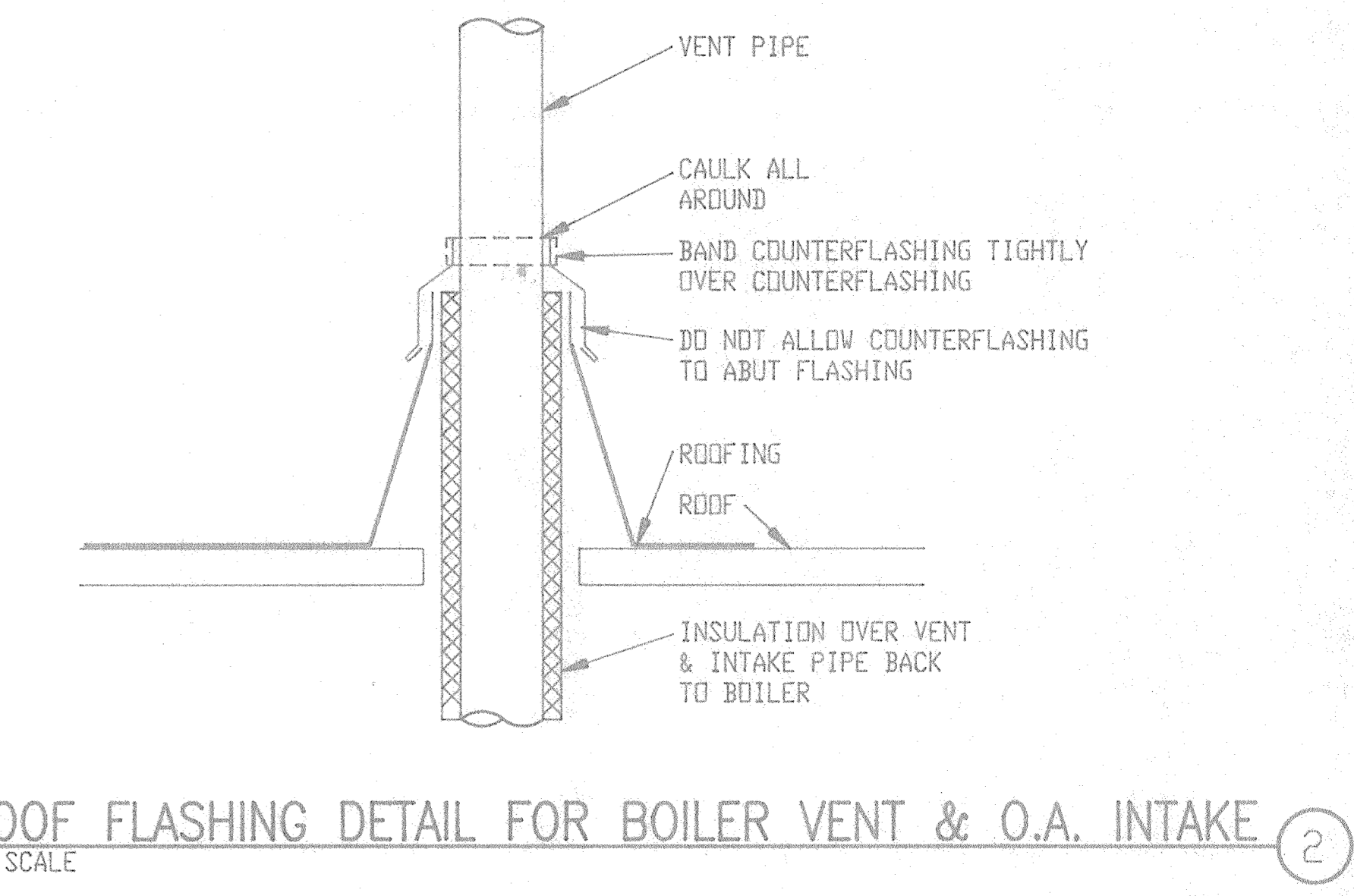
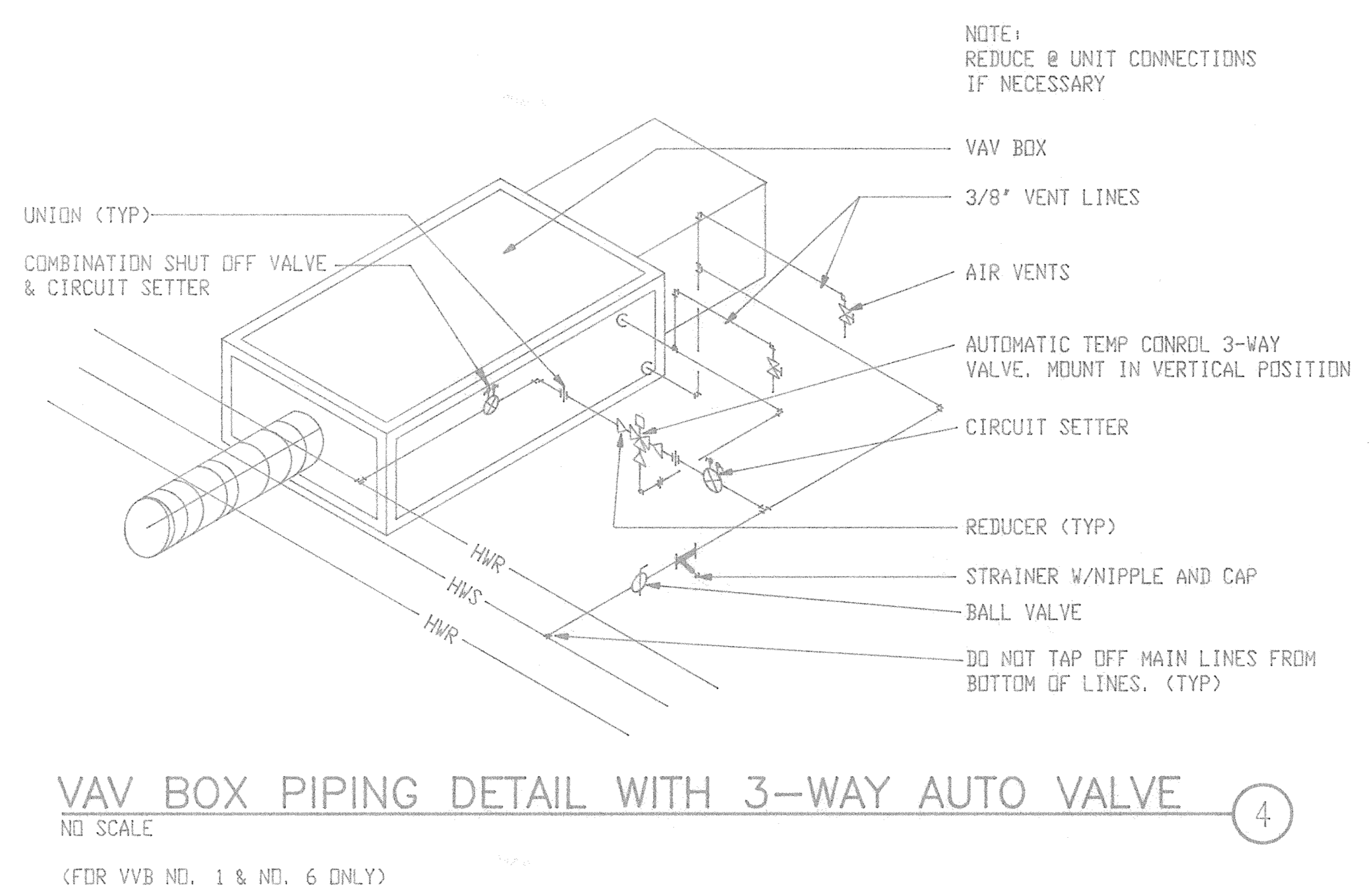
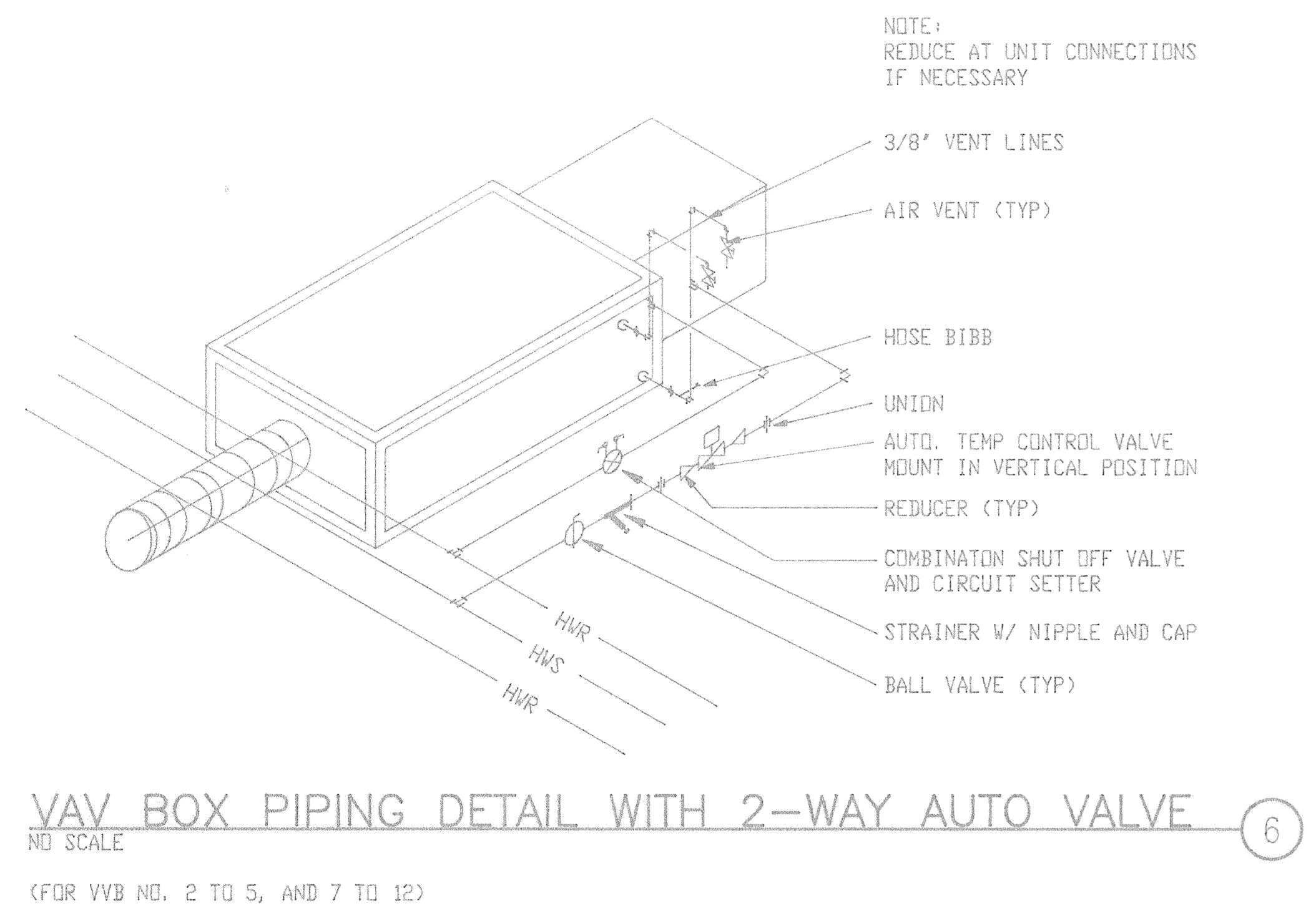
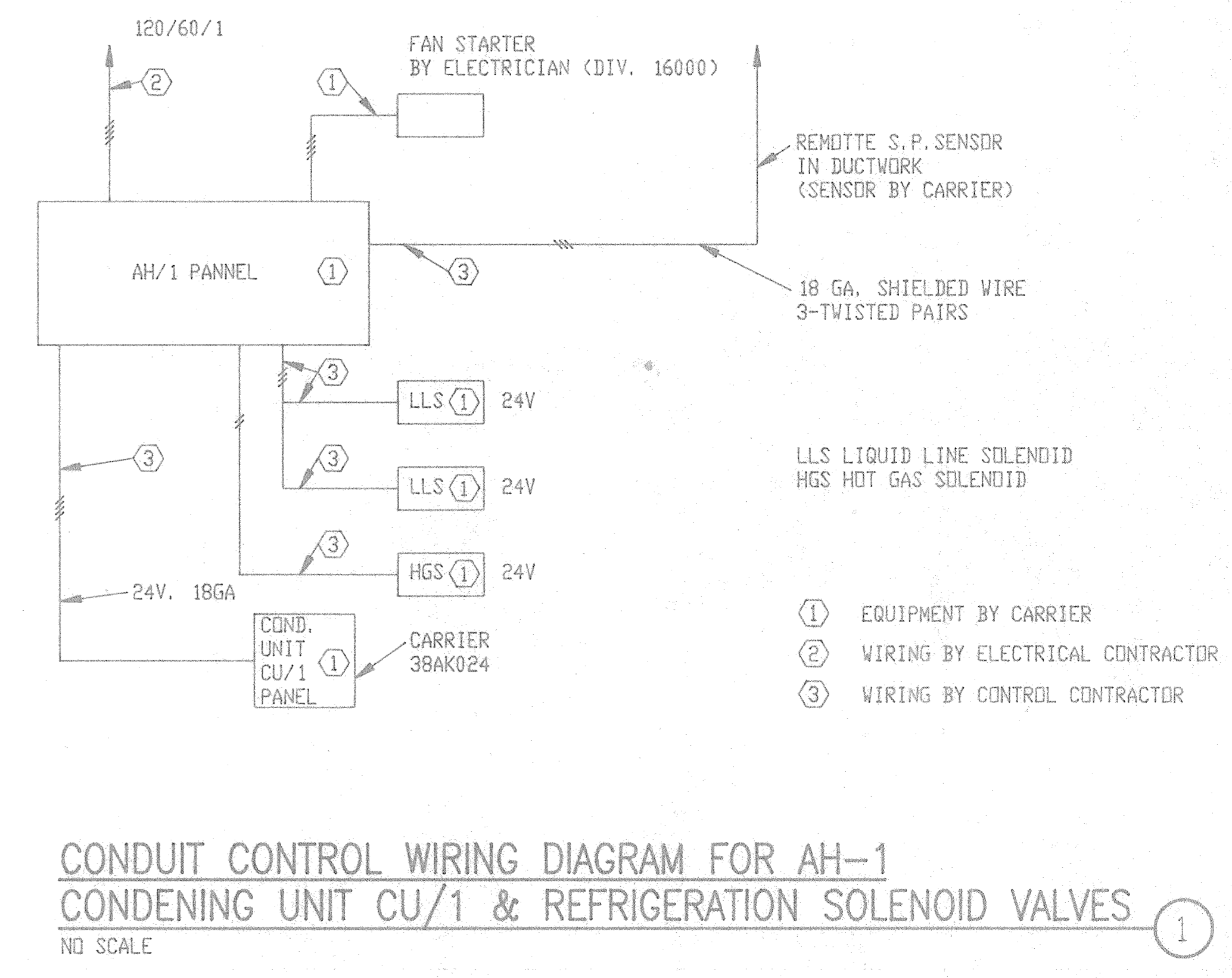
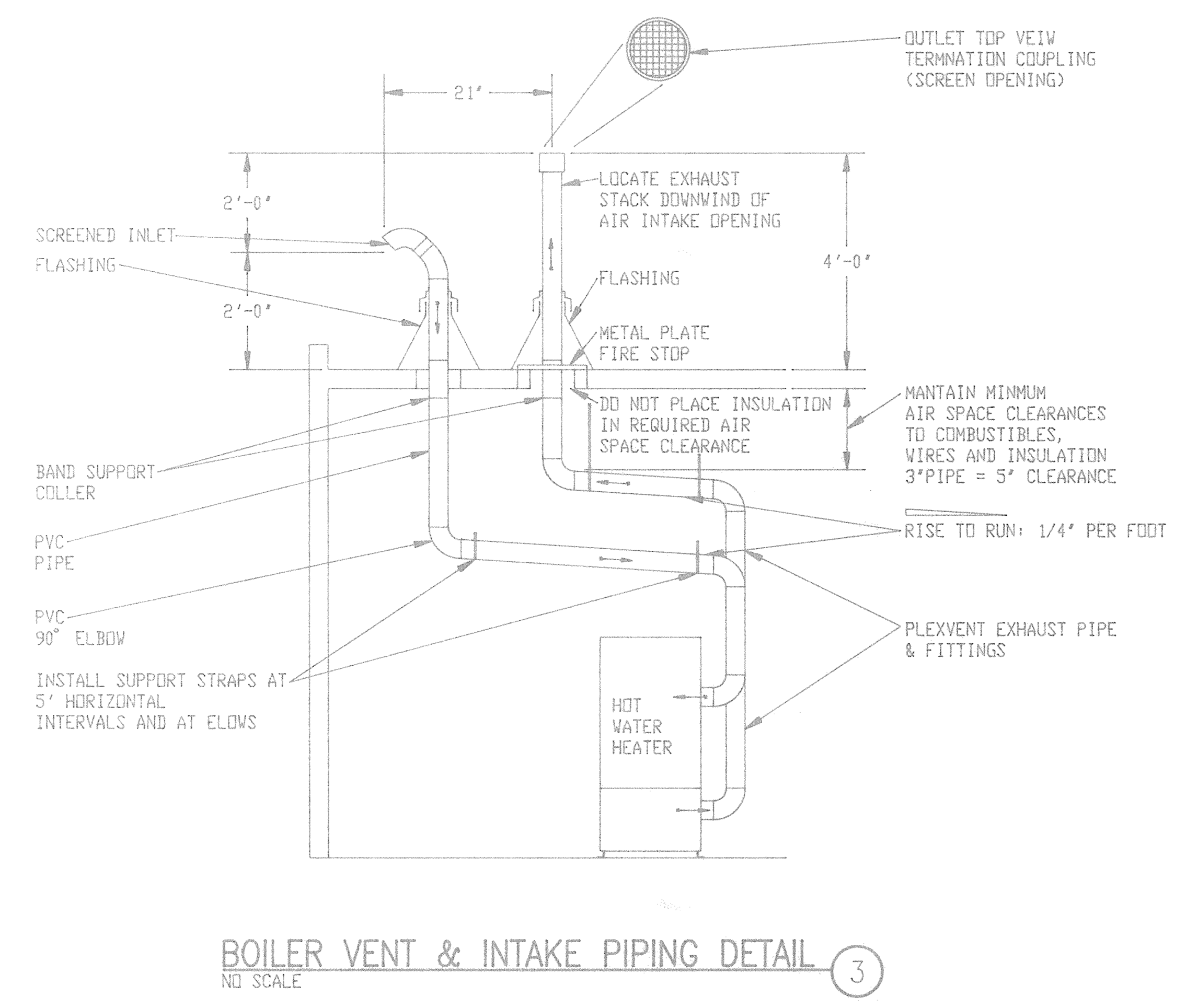
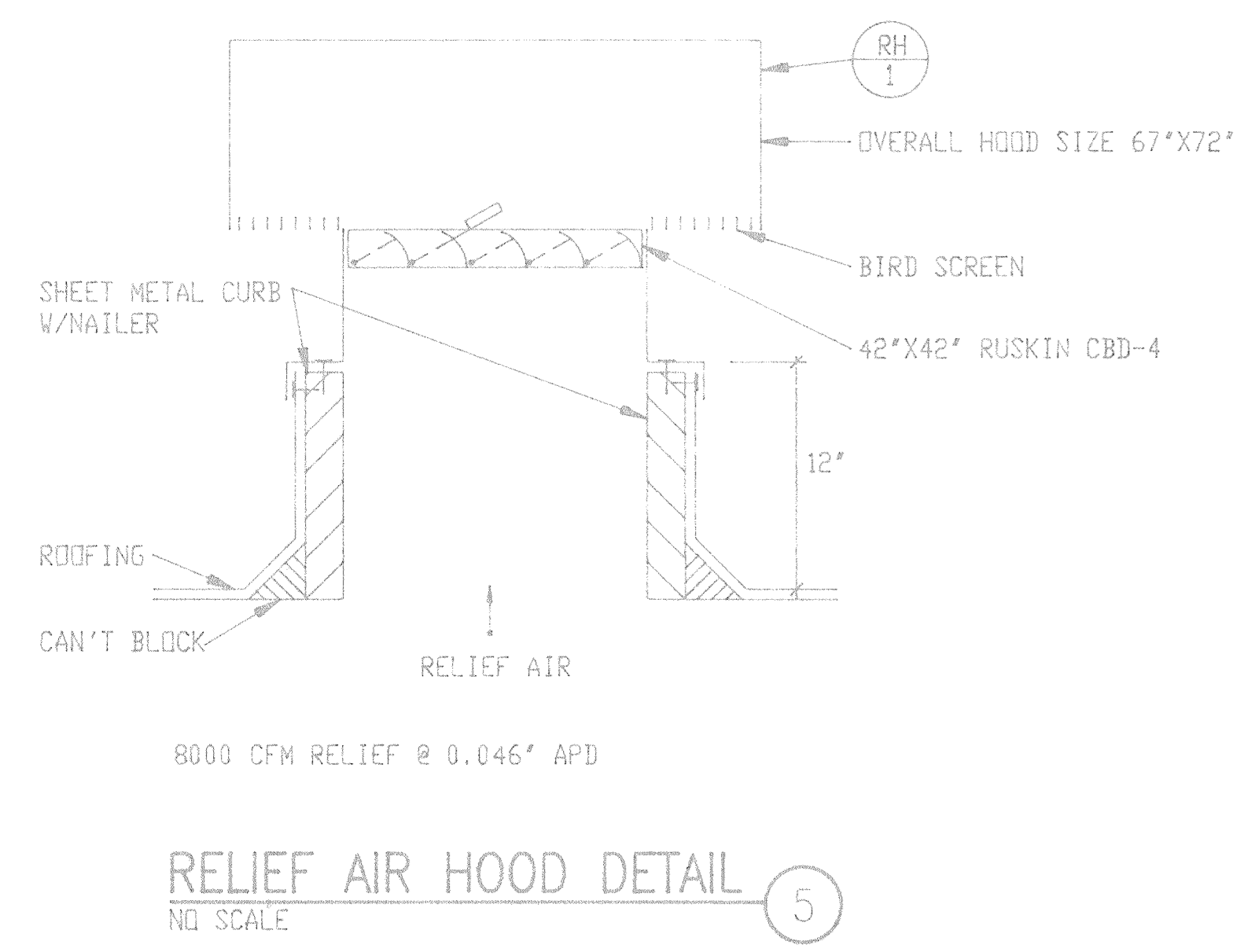
HANGER SIZES FOR RECTANGULAR DUCT			
MAX. SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1" WIDE 18 GAGE STRIP	NONE REQUIRED	18"
36"	1 1/4" ROUND ROD	1 1/2" X 1 1/2" X 1/8"	8"
48"	1 1/4" ROUND ROD	2" X 2" X 1/8"	8"
60"	5/8" ROUND ROD	2" X 2" X 1/8"	8"
84"	3/8" ROUND ROD	2" X 2" X 1/8"	8"

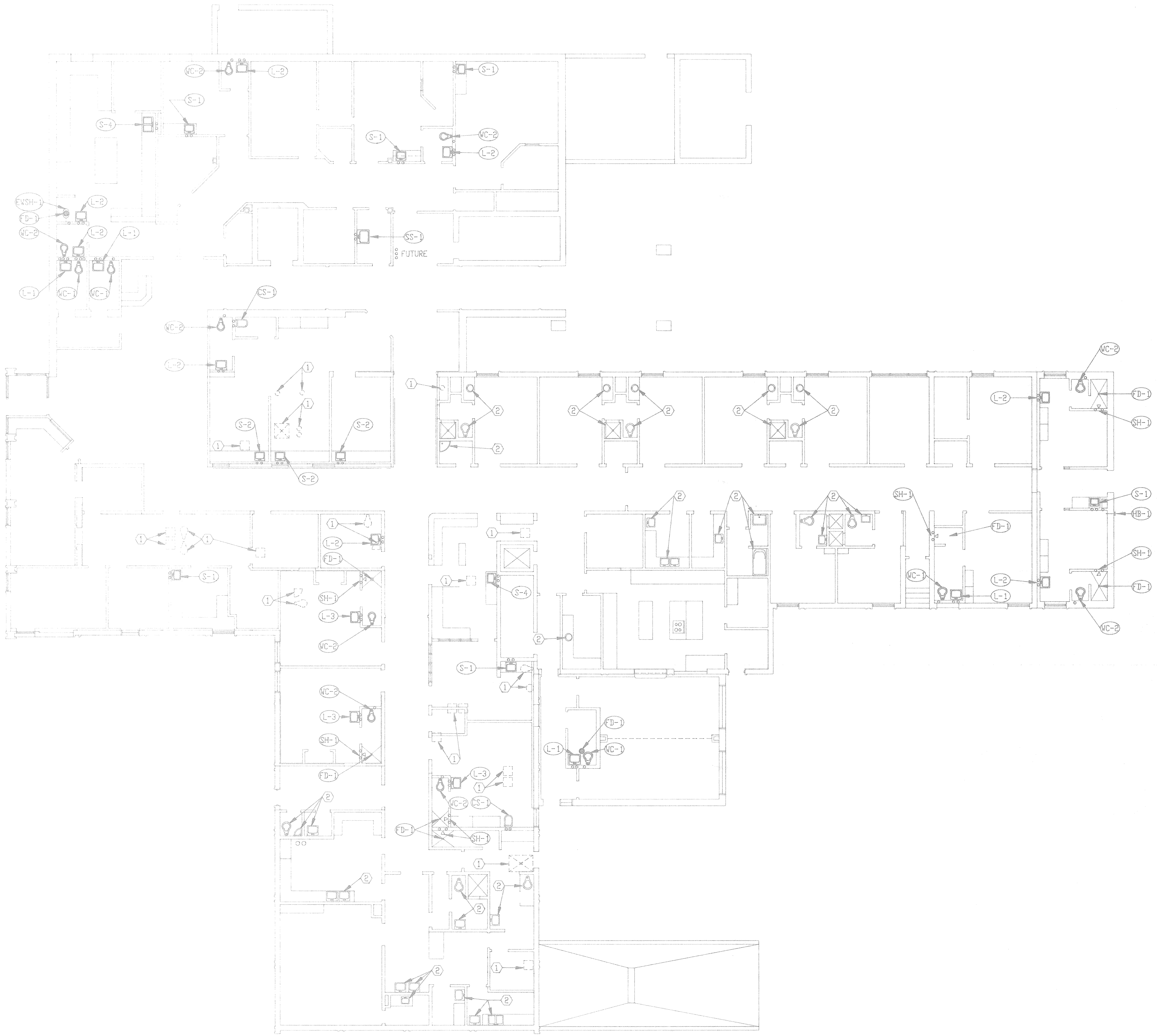


DUCT STRAP HANGER DETAIL 4  
NO SCALE



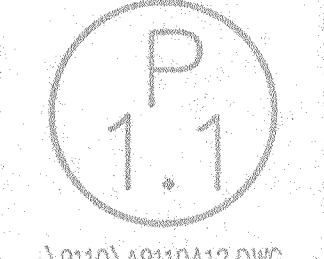
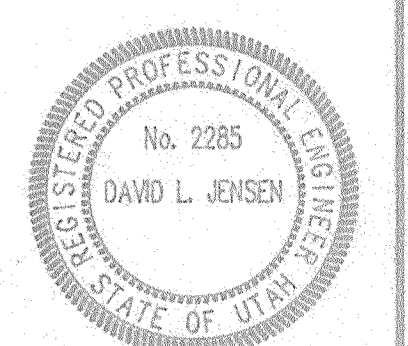
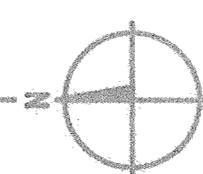
DUCT LINER DETAIL 5  
NO SCALE





MAIN FLOOR PLUMBING PLAN (WATER SUPPLY)

SCALE 1/8" = 1'-0"



V:\9110\A911012.DWG  
SHEET SCALE 1/8" = 1'-0"

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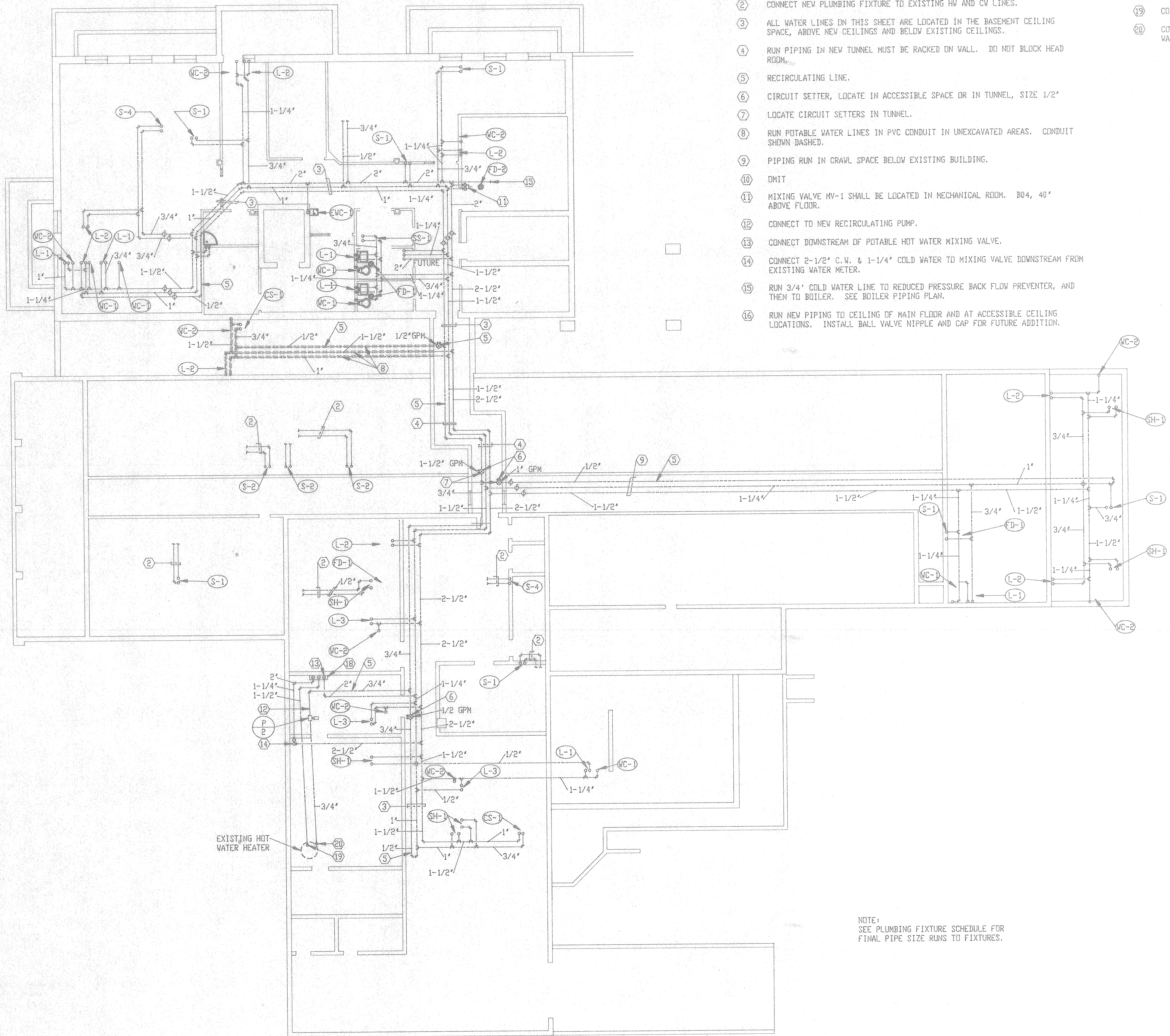
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NOTES FOR POTABLE WATER PIPING FLOOR PLAN

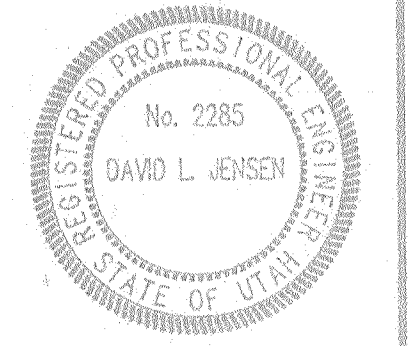
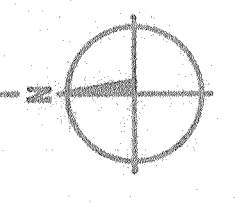
- ① EXISTING FIXTURES TO BE DEMOLISHED SHOWN WITH DASHED LINES. REMOVE UNUSED PIPING BACK TO MAINS AND CAP.
- ② CONNECT NEW PLUMBING FIXTURE TO EXISTING HW AND CV LINES.
- ③ ALL WATER LINES ON THIS SHEET ARE LOCATED IN THE BASEMENT CEILING SPACE, ABOVE NEW CEILINGS AND BELOW EXISTING CEILINGS.
- ④ RUN PIPING IN NEW TUNNEL MUST BE RACKED ON WALL. DO NOT BLOCK HEAD ROOM.
- ⑤ RECIRCULATING LINE.
- ⑥ CIRCUIT SETTER, LOCATE IN ACCESSIBLE SPACE OR IN TUNNEL, SIZE 1/2"
- ⑦ LOCATE CIRCUIT SETTERS IN TUNNEL.
- ⑧ RUN POTABLE WATER LINES IN PVC CONDUIT IN UNEXCAVATED AREAS. CONDUIT SHOWN DASHED.
- ⑨ PIPING RUN IN CRAWL SPACE BELOW EXISTING BUILDING.
- ⑩ DMIT
- ⑪ MIXING VALVE MV-1 SHALL BE LOCATED IN MECHANICAL ROOM. B04, 40' ABOVE FLOOR.
- ⑫ CONNECT TO NEW RECIRCULATING PUMP.
- ⑬ CONNECT DOWNSTREAM OF POTABLE HOT WATER MIXING VALVE.
- ⑭ CONNECT 2-1/2" C.W. & 1-1/4" COLD WATER TO MIXING VALVE DOWNSTREAM FROM EXISTING WATER METER.
- ⑮ RUN 3/4" COLD WATER LINE TO REDUCED PRESSURE BACK FLOW PREVENTER, AND THEN TO BOILER. SEE BOILER PIPING PLAN.
- ⑯ RUN NEW PIPING TO CEILING OF MAIN FLOOR AND AT ACCESSIBLE CEILING LOCATIONS. INSTALL BALL VALVE NIPPLE AND CAP FOR FUTURE ADDITION.

- ⑰ NEW POTABLE WATER MIXING VALVE.
- ⑱ PREPIPE HOT WATER MIXING VALVE ASSEMBLY.
- ⑲ CONNECT NEW 1-1/2" HOT WATER LINE TO EXISTING OUTLET.
- ⑳ CONNECT NEW RECIRCULATING LINE TO EXISTING COLD WATER MAKE-UP TO HEATER.



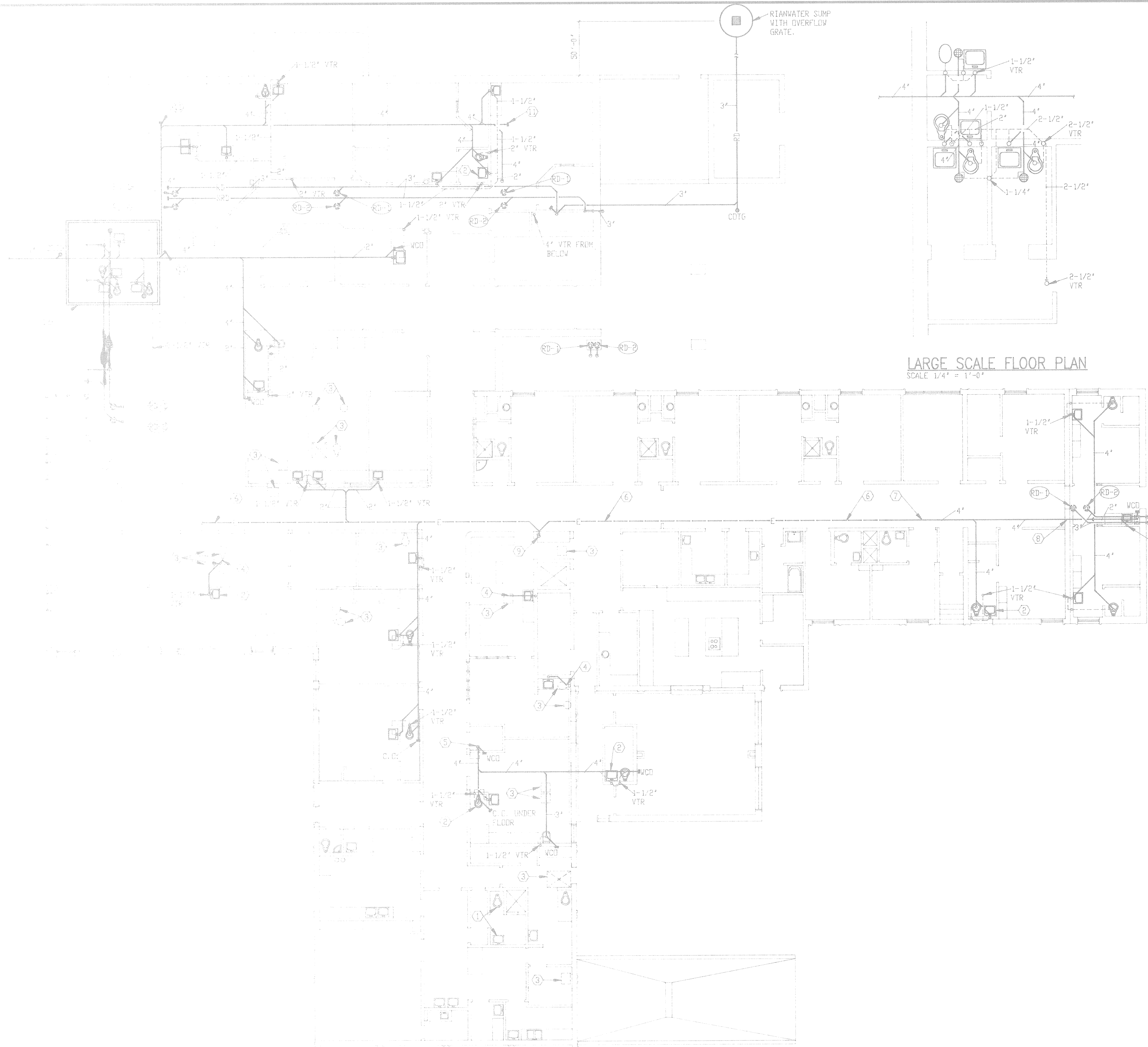
NOTE:  
SEE PLUMBING FIXTURE SCHEDULE FOR  
FINAL PIPE SIZE RUNS TO FIXTURES.

BASEMENT FLOOR PLUMBING PLAN (WATER SUPPLY)  
SCALE 1/8" = 1'-0"



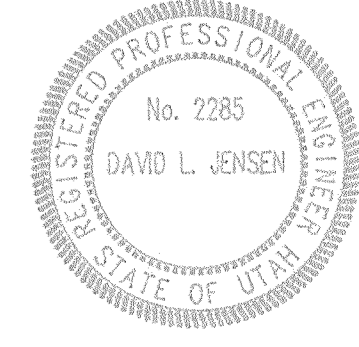
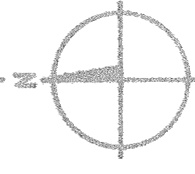
NOTES FOR MAIN LEVEL PLUMBING WASTE AND VENT PLAN

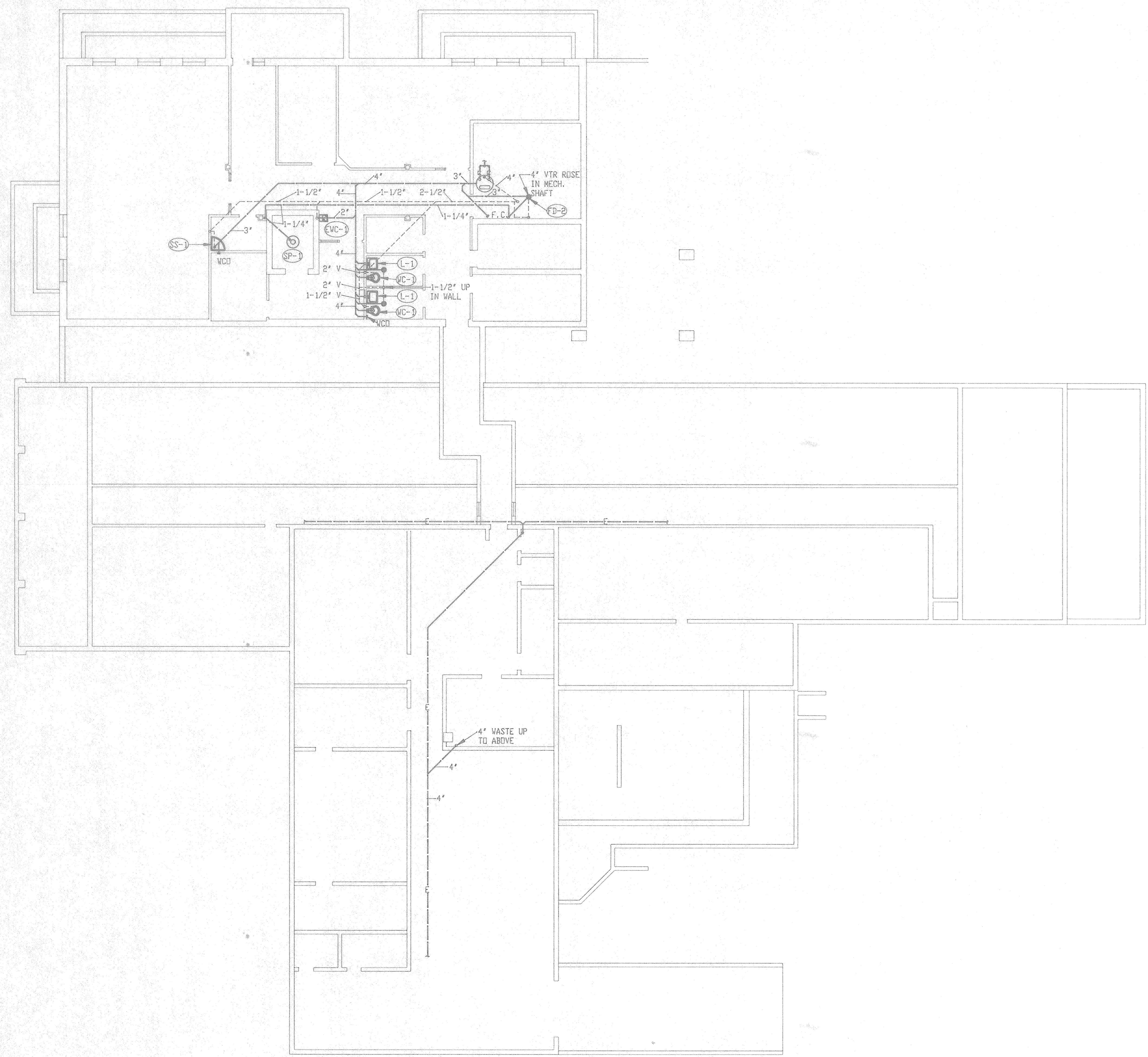
- ① EXISTING FIXTURES SHOWN WITH SOLID LIGHT LINES ARE TO REMAIN AS IS. (TYPICAL)
- ② NEW FIXTURES TO BE INSTALLED UNDER THIS CONTRACT ARE SHOWN WITH DARK LINES. (TYPICAL)
- ③ EXISTING FIXTURES SHOWN DASHED SHALL BE DEMOLISHED UNDER THIS CONTRACT. SEE ARCHITECTS DRAWING D/1 FOR DEMOLITION.
- ④ CONNECT NEW DRAIN LINE TO EXISTING LINE.
- ⑤ DROP WASTE LINE DOWN AND CONNECT TO WASTE BELOW BASEMENT FLOOR.
- ⑥ EXISTING WASTE LINE SHOWN DASHED WITH 'E' IN CRAWL SPACE BELOW FLOOR.
- ⑦ CONNECT NEW WASTE LINE TO EXISTING.
- ⑧ CORE DRILL OR SAW CUT EXISTING WALLS OR FLOORS FOR ACCESS FOR NEW PIPING. (TYPICAL)
- ⑨ EXISTING WASTE LINE DROPS DOWN TO BELOW BASEMENT FLOOR.
- ⑩ HOLD WASTE LINE IN CEILING SPACE BELOW ABOVE DOOR FRAMES.
- ⑪ CLEAN OUTS IN CEILING SPACE BELOW.
- ⑫ SEE LARGE SCALE PLUMBING PLAN THIS AREA.



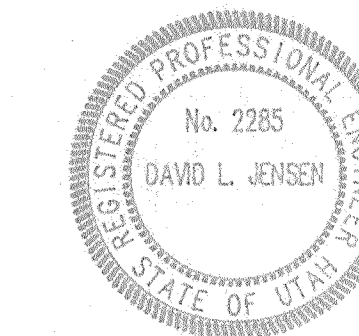
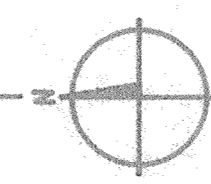
LARGE SCALE FLOOR PLAN  
SCALE 1/4" = 1'-0"

MAIN FLOOR PLUMBING PLAN (WASTE AND VENT)  
SCALE 1/8" = 1'-0"





**BASEMENT FLOOR PLUMBING PLAN (WASTE AND VENT)**  
 SCALE 1/8" = 1'-0"



P  
1.4

V:\110\110A\DWG  
 SHEET SCALE 1/8" = 1'-0"

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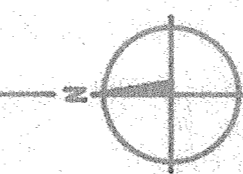
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- NOTES FOR MEDICAL AIR PIPING ON MAIN FLOOR
- ① PIPING RISES UP FROM BASEMENT.
  - ② ALARM PANEL FOR VACUUM (V) NITROUS OXIDE (N<sub>2</sub>O), MEDICAL AIR (MA), AND OXYGEN (O<sub>2</sub>).
  - ③ OUTLET LOCATIONS ON WALL, SEE ARCHITECT DWG A/1.1.
  - ④ DELETE.
  - ⑤ EMERGENCY SHUTOFF VALVE BOX IN CORRIDOR WALL.
  - ⑥ PIPING TO ALARM PANELS.
  - ⑦ MA AND O<sub>2</sub> PIPING UP FROM BELOW, AND DOWNSTREAM FROM EMERGENCY SHUTOFF VALVES. SEE ARCHITECT NOTE 3 ON A/1.1.
  - ⑧ VACUUM LINES UP FROM BELOW. SEE ARCHITECT NOTE 3 ON A/1.1.
  - ⑨ OVERHEAD N<sub>2</sub>O, O<sub>2</sub>, V & MA. REUSE AND RELOCATE EXISTING.
  - ⑩ DROP GAS LINES DOWN IN WALL AND RUN THROUGH EMERGENCY SHUTOFF VALVES, BEFORE DISTRIBUTION TO GAS OUTLETS IN ROOM (TYPICAL ALL ROOMS).

MAIN FLOOR MEDICAL GAS PIPING PLAN  
SCALE 1/8" = 1'-0"

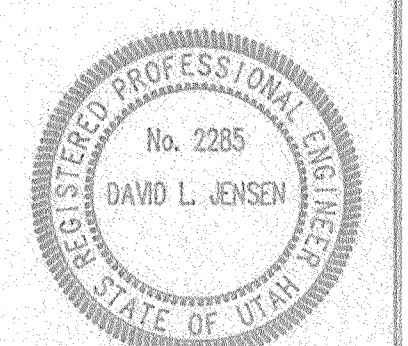


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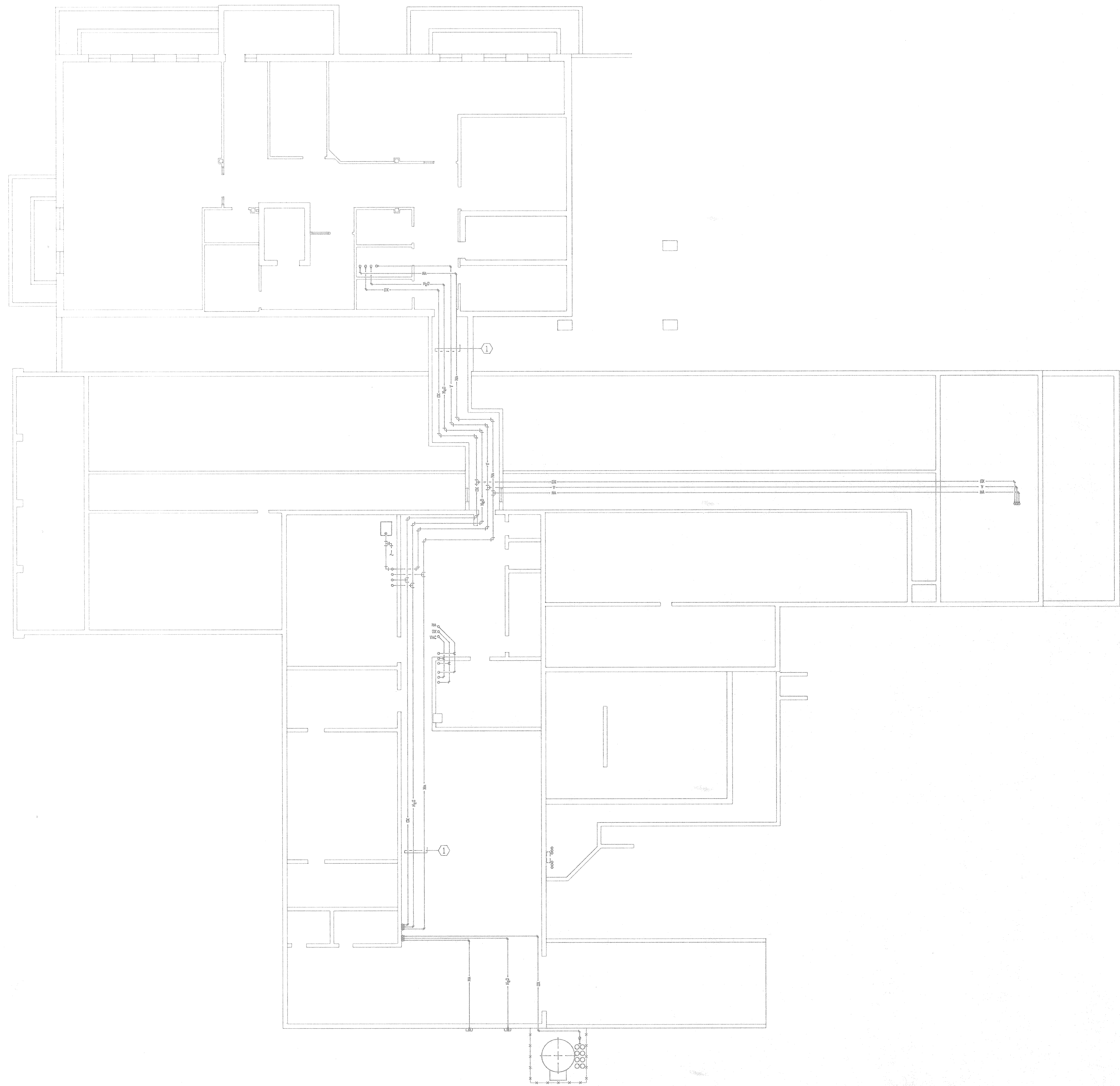
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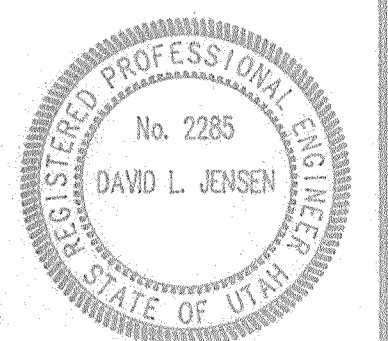


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2.1

\\9110\A8110A12.DWG  
SHEET SCALE 1/8"=1'-0"



BASEMENT FLOOR MEDICAL GAS PIPING PLAN  
 SCALE 1/8" = 1'-0"



2.2

1/9110/9110A12.01WS  
 SHEET SCALE 1/8"=1'

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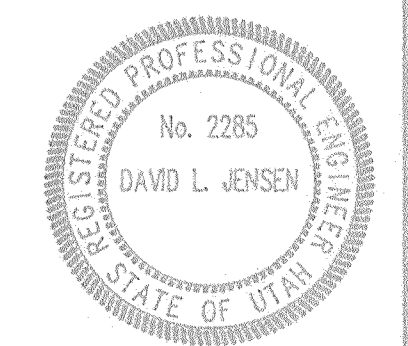
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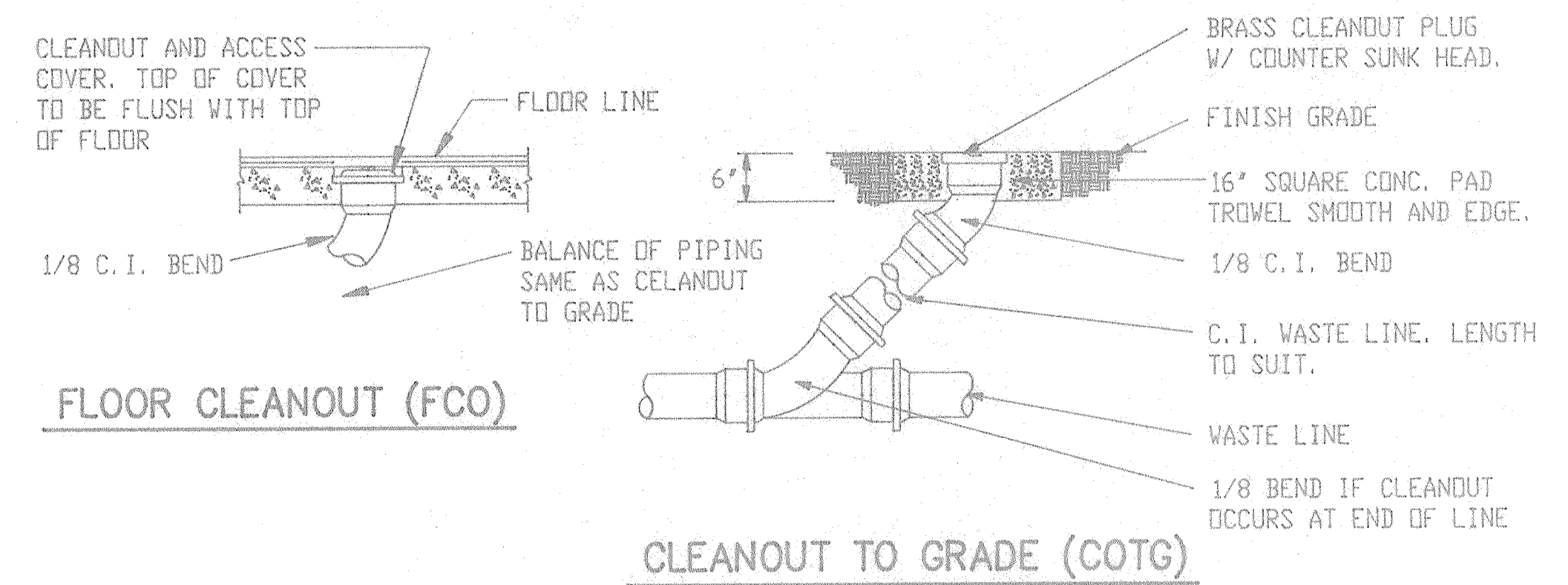
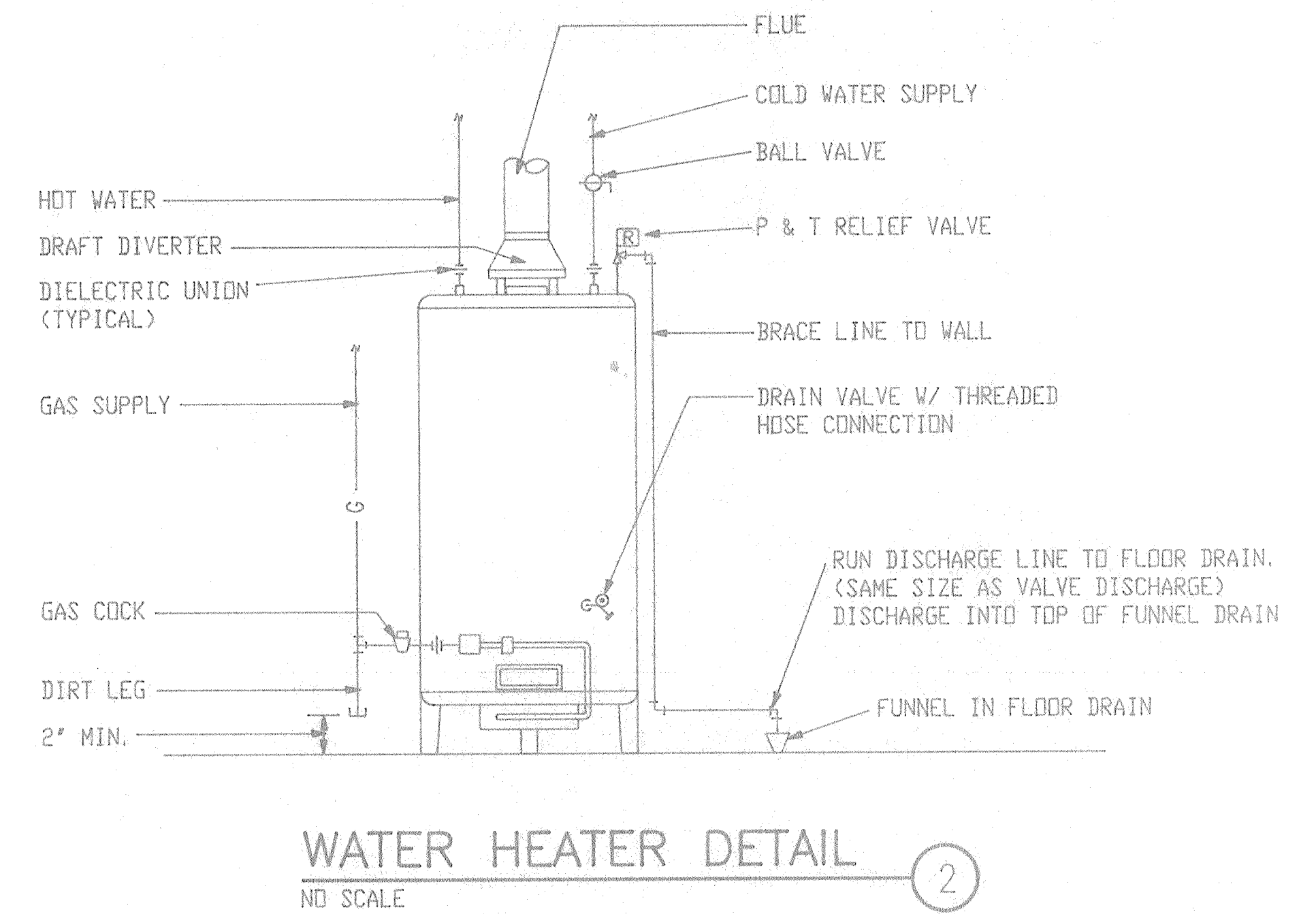
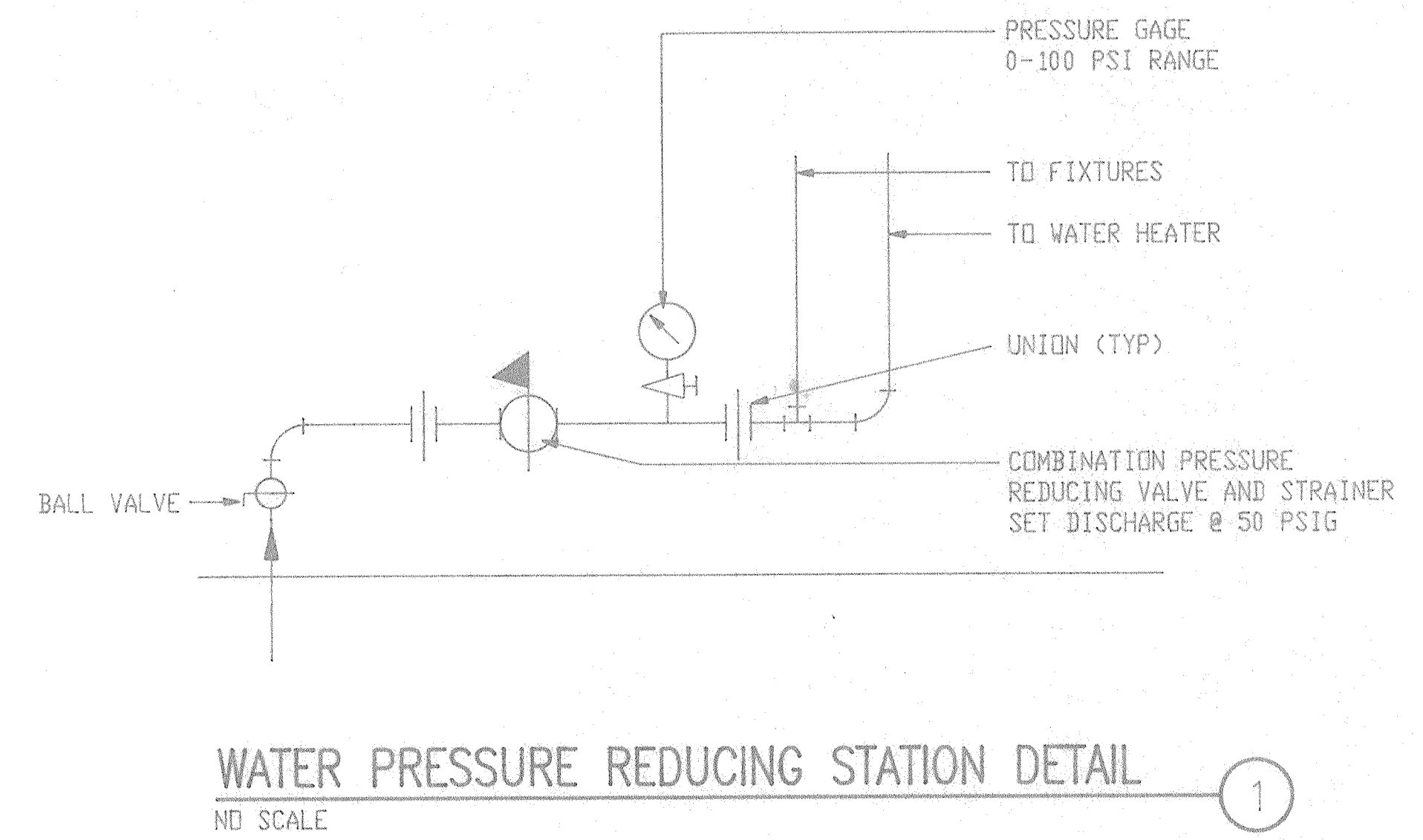
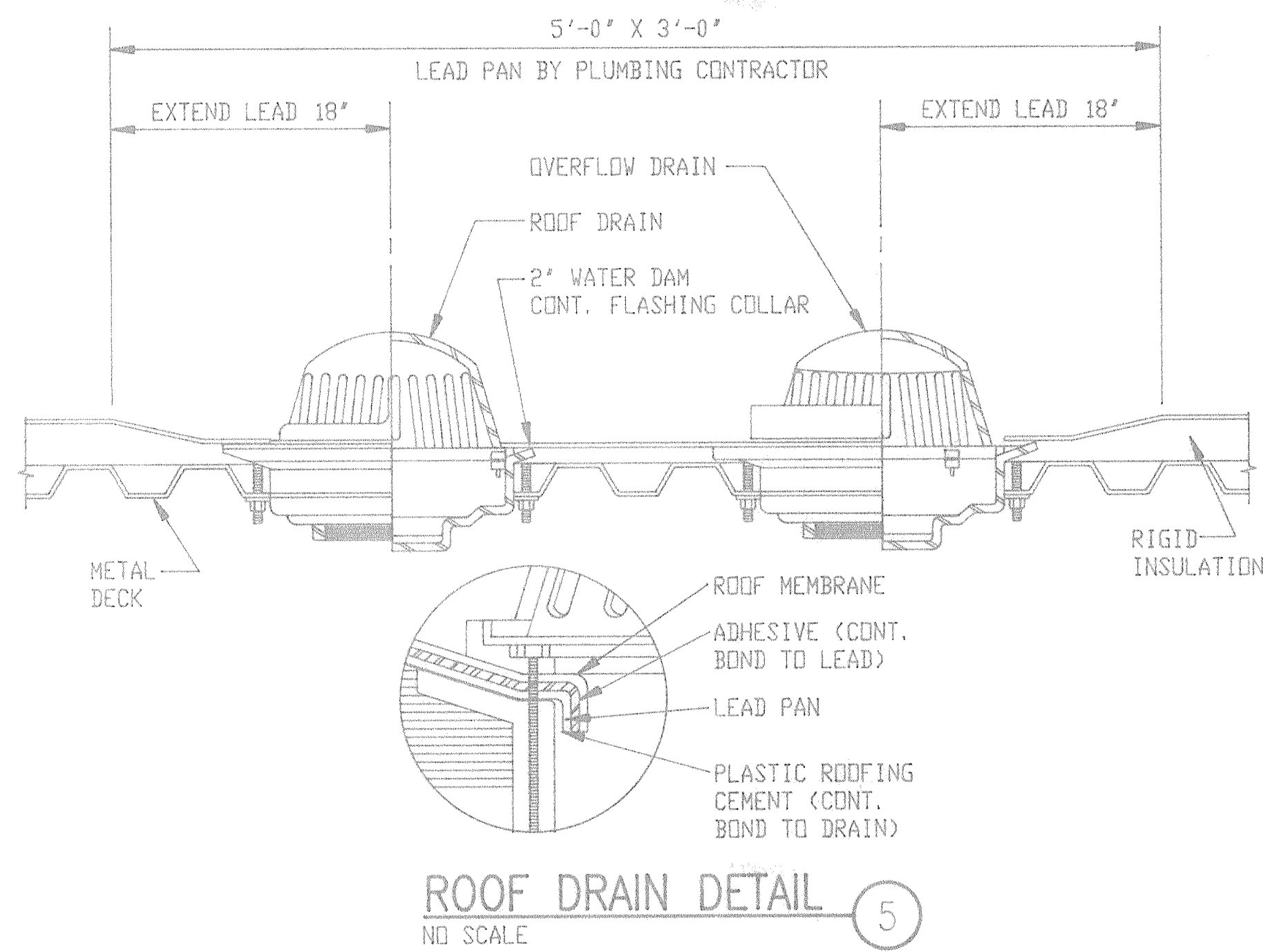
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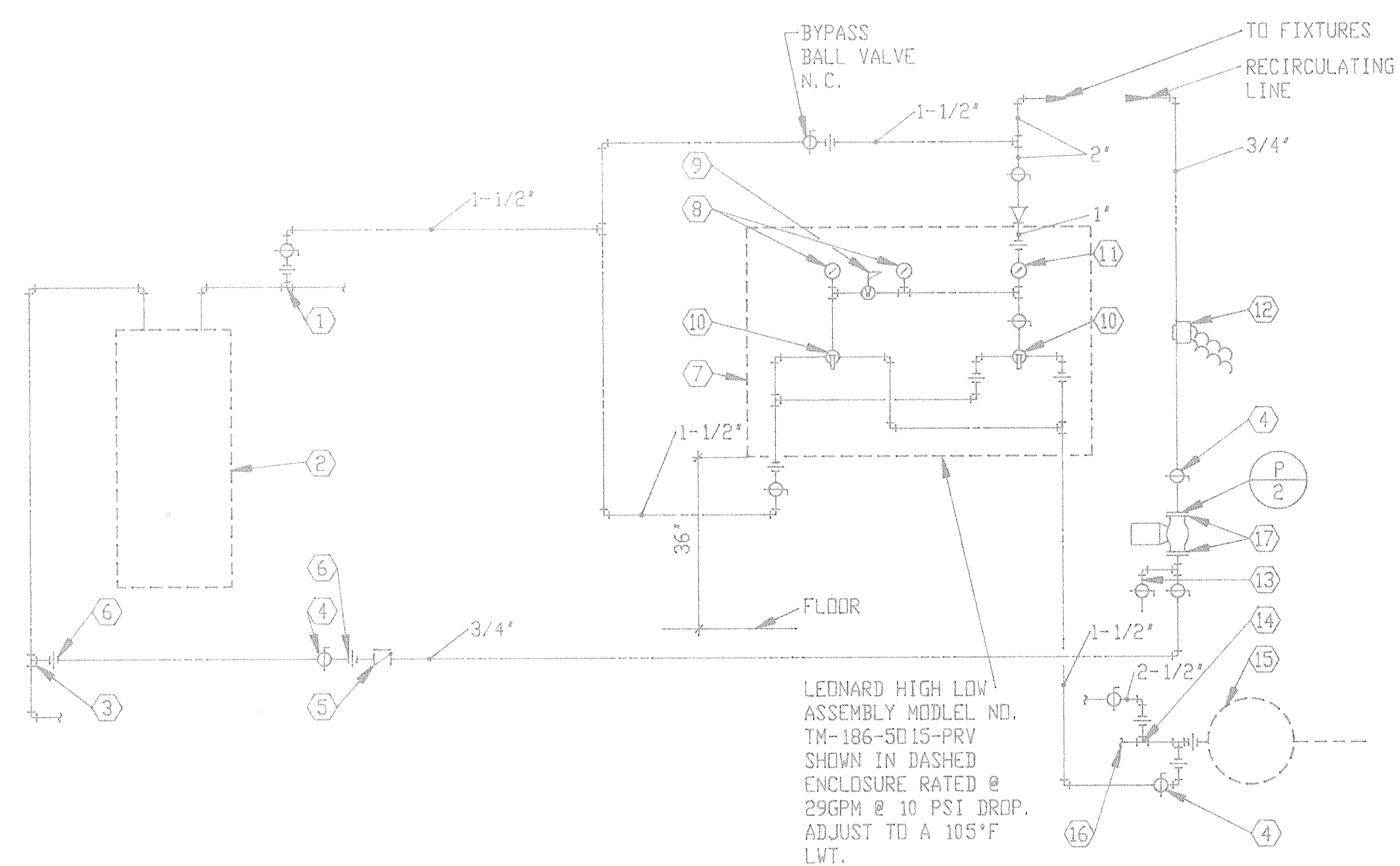
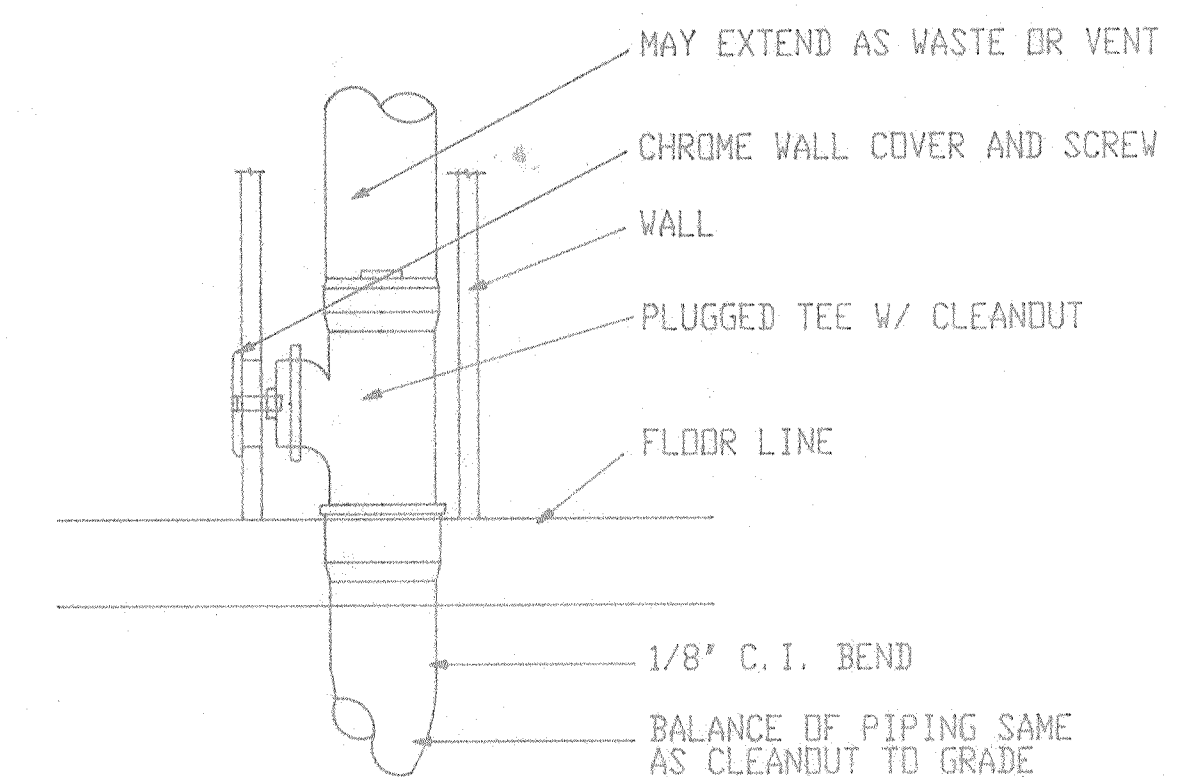
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	PIPE SIZE						COMMENTS
		TRAP	WASTE	VENT	C. V.	H. V.	GAS	
WC-1	WATER CLOSET	INT.	4"	2"	1"	---	---	HANDICAPPED
WC-2	WATER CLOSET	INT.	4"	2"	1"	---	---	
L-1	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	WALL HUNG HANDICAPPED
L-2	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	WALL HUNG
L-3	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	WALL HUNG
S-1	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	COUNTER MOUNT SINGLE COMPARTMENT
S-2	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	COUNTER MOUNT SINGLE COMPARTMENT
S-3	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	COUNTER MOUNT DOUBLE COMPARTMENT
S-4	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	---	PROVIDED BY OWNER
CS-1	CLINIC SINK	INT.	4"	2"	1"	---	---	
SS-1	SERVICE SINK	2"	2"	1-1/2"	1/2"	1/2"	---	FLOOR MOUNTED
SS-2	SERVICE SINK	2"	2"	1-1/2"	1/2"	1/2"	---	WALL MOUNTED
EVSH-1	EMERGENCY EYE WASH AND SHOWER	----	----	----	1"	---	---	
EWC-1	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1-1/2"	1/2"	---	---	HANDICAPPED
HB-1	HOSE BIBB	----	----	----	3/4"	---	---	
FD-1	FLOOR DRAIN	2"	2"	2"	---	---	---	
FD-2	FLOOR DRAIN	2"	2"	2"	---	---	---	
RD-1	ROOF DRAIN	SEE DWG						PRIMARY
RD-2	ROOF DRAIN	SEE DWG						SECONDARY
SH-1	SHOWER	2"	2"	1-1/2"	1/2"	1/2"	---	





**CLEANOUT DETAILS** 3  
NO SCALE

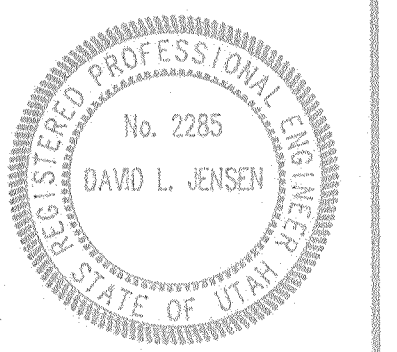


PUMP  $\frac{P}{2}$  BELL & GOSSETT MODEL PR-3/4, 4 GALLONS PER MINUTE AT 15 FT OF HEAD 1/6 HP, 120/60/1, ALL BRONZE CONSTRUCTION

**POTABLE HOT WATER MIXING VALVE PIPING DIAGRAM**  
NO SCALE

NOTES FOR POTABLE HOT WATER MIXING VALVE PIPING DIAGRAM

- 1 CONNECT NEW HOT WATER LINE AT EXISTING WATER HEATER OUTLET.
- 2 EXISTING WATER HEATER.
- 3 CONNECT NEW RECIRCULATING LINE TO EXISTING COLD WATER MAKE-UP LINE TO WATER HEATER.
- 4 BALL VALVE (TYPICAL).
- 5 CHECK VALVE.
- 6 UNION (TYPICAL).
- 7 OUTLINE SHOWN DASHED OF PRE-PIPED MIXING VALVE ASSEMBLY.
- 8 PRESSURE GAUGES INTEGRAL WITH ASSEMBLY.
- 9 PRESSURE REGULATING VALVE.
- 10 TEMPERATURE REGULATING VALVES.
- 11 THERMOMETER INTEGRAL WITH ASSEMBLY.
- 12 STRAP-ON ADUASTAT BY TEMPERATURE CONTROL CONTRACTOR.
- 13 1/2" DRAIN WITH BALL VALVE.
- 14 CONNECT NEW COLD WATER LINES ADJACENT TO EXISTING WATER METER.
- 15 EXISTING WATER METER.
- 16 EXISTING COLD WATER LINE TO EXISTING BUILDING TO REMAIN.
- 17 FLANGED UNION CONNECTIONS AT PUMP.



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P 4.1

1910A910412.DWG  
SHEET SCALE 1/8"=1'

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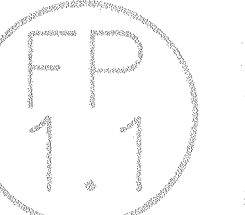
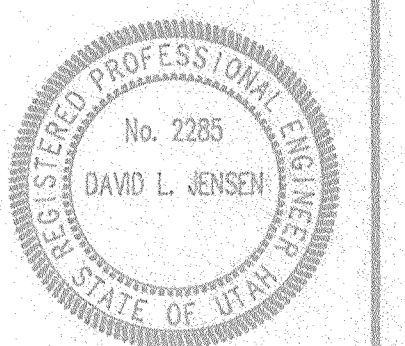
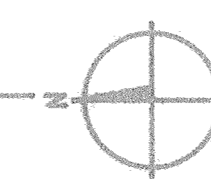
EXISTING SPRINKLERED  
AREA TO BE REVISED

NEW SPRINKLERED  
AREA

**FIRE SPRINKLING CONTRACT AREA OF PROTECTION**

SCALE 1/8" = 1'-0"

REFER TO ARCHITECTURAL REFLECTED CEILING DRAWING A/S. 1



1/310/4/10/12.DWG  
SHEET SCALE 1/8" = 1'-0"

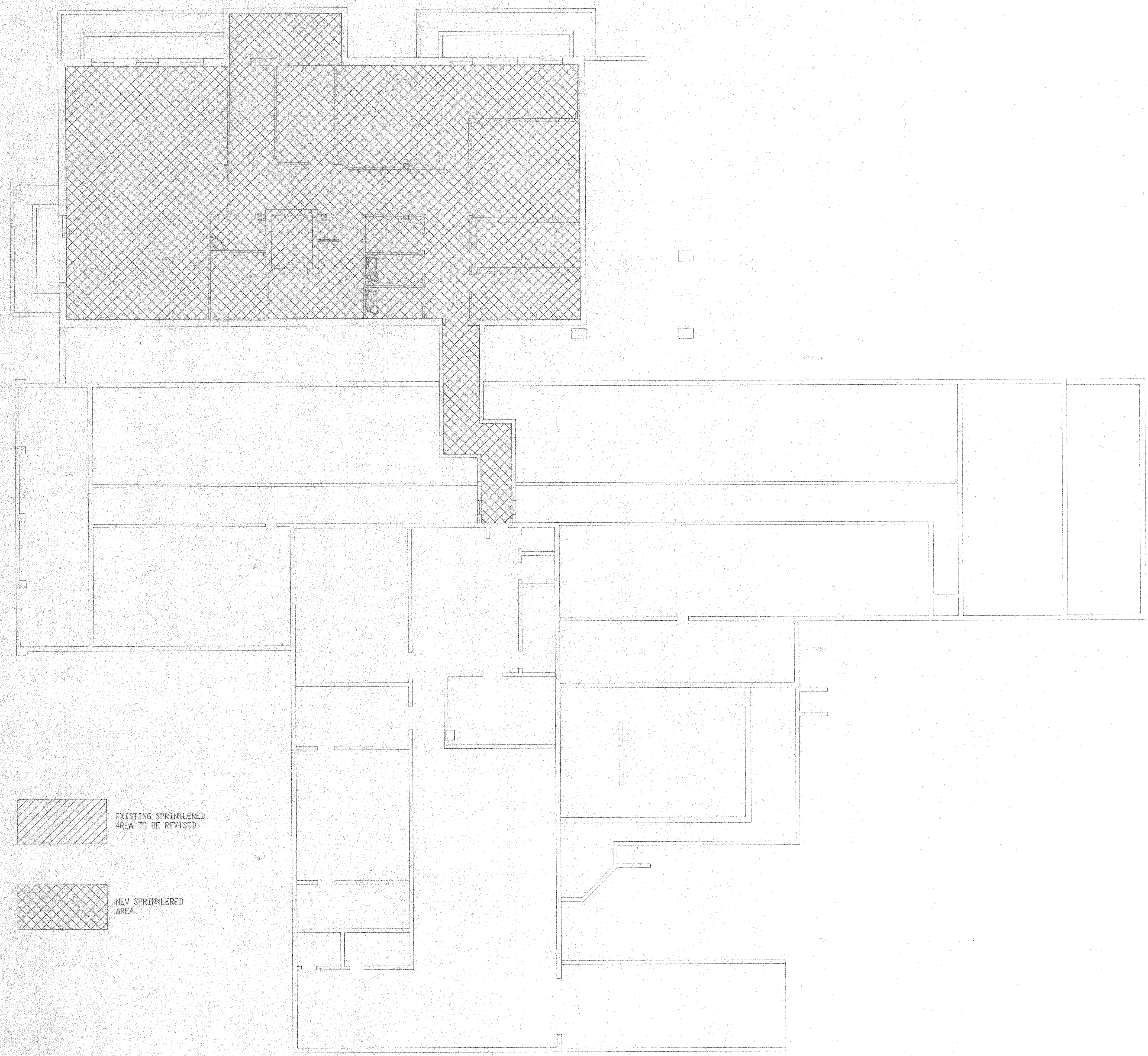
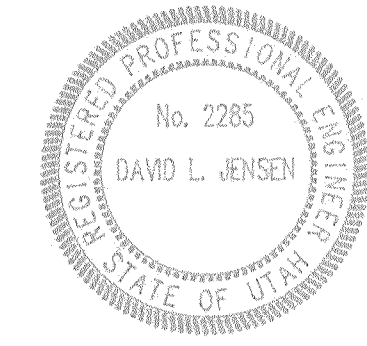


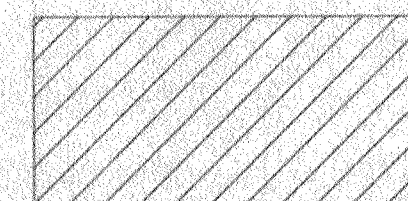
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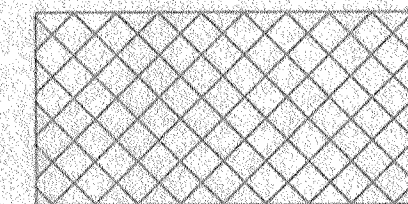
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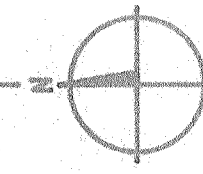
 EXISTING SPRINKLERED  
AREA TO BE REVISED

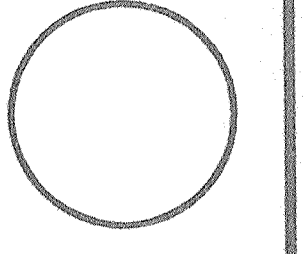
 NEW SPRINKLERED  
AREA

FIRE SPRINKLING CONTRACT AREA OF PROTECTION

SCALE 1/8" = 1'-0"

REFER TO ARCHITECTURAL DRAWING A/5.2

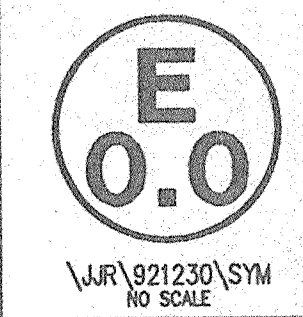




DATE: APR. 7, 1993  
 JOB # 921230JUR  
 BY: JKC  
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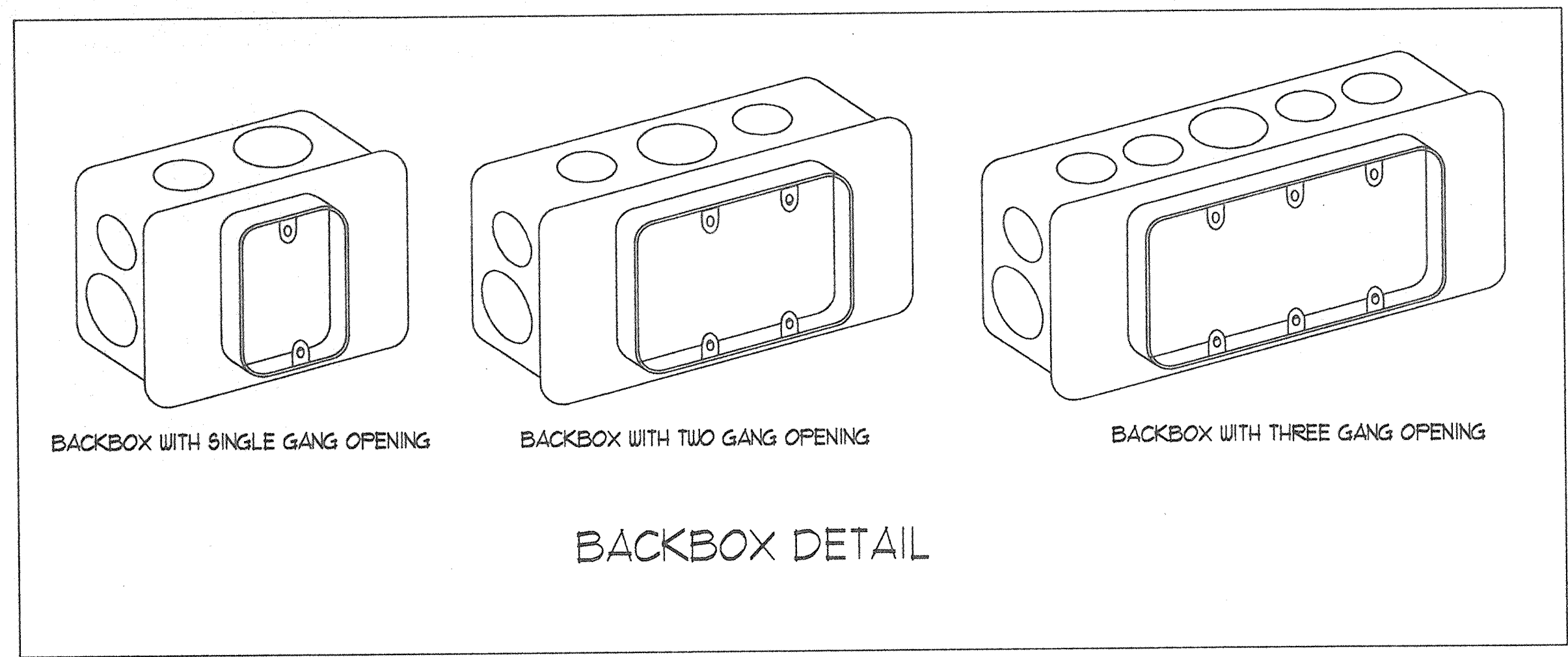


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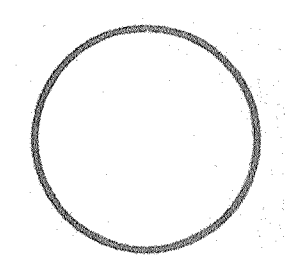
**SYMBOL SCHEDULE**

SYMBOL	MOUNTING	DESCRIPTION
GRAPHIC SYMBOLS:		
COMPARE WITH SYMBOLS ON ARCHITECTURAL DRAWINGS. IF SYMBOLS VARY, CONTACT ARCHITECT/ENGINEER FOR CLARIFICATION.		
		DETAIL REFERENCE: 5 INDICATES DETAIL NUMBER, E-1 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
		ELEVATION OR SECTION REFERENCE: 5 INDICATES ELEVATION OR SECTION NUMBER, E-1 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
		ROOM OR SPACE NUMBER.
		EQUIPMENT NUMBER.
		ELECTRICAL NOTE.
		REVISION NUMBER.
		DASHED LINE: EXISTING WIRING OR CONSTRUCTION.
		PROPERTY LINES, BOUNDARY LINES.
		BREAK LINE: TO BREAK OFF PARTS OF DRAWING.
		WIRING CONCEALED IN CEILING OR WALL.
		WIRING CONCEALED IN FLOOR.
		FLEXIBLE WIRING.
		BRANCH CIRCUIT HOME RUN TO PANEL BOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. CROSS LINES INDICATE NUMBER OF CONDUCTORS OR CABLES. FOR BRANCH WIRING, CROSS LINES INDICATE #2 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16100.
		WIRING TURNED UP OR TOWARDS OBSERVER.
		WIRING TURNED DOWN OR AWAY FROM OBSERVER.
LIGHTING OUTLETS:		
REFER TO THE LIGHTING FIXTURE SCHEDULE FOR FIXTURE SELECTIONS, VOLTAGE OF FIXTURE CONNECTION, LAMP AND BALLAST TYPES, AND MOUNTING CONDITION. REFER TO SHOP DRAWINGS AND PRODUCT DATA FOR INSTALLATION REQUIREMENTS. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF FIXTURES AND PENDENT LENGTHS. WHERE THE INFORMATION IS NOT SHOWN, VERIFY THE REQUIREMENTS WITH THE ARCHITECT/ENGINEER. REFER TO THE ARCHITECTURAL, STRUCTURAL, FIRE SPRINKLER, MECHANICAL, AND OTHER DRAWINGS FOR COORDINATING RECESSED DEPTH OF FIXTURES AS SHOWN IN THE SUBMITTALS. PRIOR TO ORDERING FIXTURES, VERIFY EACH OF THE ABOVE AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.		
	AS NOTED	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
		FIXTURE IDENTIFICATION: (U-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	CEILING	SURFACE OR PENDENT FIXTURE: POINT SOURCE.
	WALL	SURFACE OR BRACKET FIXTURE: POINT SOURCE.
	CEILING	SURFACE OR PENDENT FIXTURE: LINEAR SOURCE.
	CEILING	RECESSED FIXTURE: POINT SOURCE.
	CEILING	RECESSED FIXTURE: LINEAR SOURCE.
	POLE	POLE LIGHTING FIXTURE: SEE DETAIL.
	AS NOTED	FLOOD LIGHT OR TRACK LIGHT.
	CEILING, WALL	SURFACE OR PENDENT EXIT LIGHT: ARROWS INDICATE DIRECTION OF EGRESS.
	CEILING, WALL	BLANKED OUTLET: PROVIDE OUTLET FOR FIXTURE FURNISHED IN SEPARATE CONTRACT.
		NIGHT LIGHT: DO NOT SWITCH.
		EMERGENCY LIGHT: WHERE A UNIT BATTERY PACK IS PROVIDED, CONNECT UNIT BATTERY PACK TO UNSWITCHED OR UNDIMMED PORTION OF CIRCUIT SHOWN.
PANELBOARDS, SWITCHBOARDS & RELATED EQUIPMENT:		
REFER TO THE POWER RISER AND PANEL SCHEDULES FOR CONNECTION, OVERCURRENT AND RELATED DATA. REFER TO SHOP DRAWINGS AND PRODUCT DATA FOR INSTALLATION REQUIREMENTS. REFER TO THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, FIRE SPRINKLER AND OTHER DRAWINGS FOR COORDINATING LOCATION OF PANELBOARDS WITHIN THE REQUIREMENTS OF NEC 384-4. COORDINATE WALL DEPTHS PRIOR TO ORDERING EQUIPMENT.		
	TOP @ 80"	FLUSH PANELBOARD WITH CABINET.
	TOP @ 80"	SURFACE PANELBOARD WITH CABINET.
	CONC. CURB	MAIN DISTRIBUTION PANEL OR SWITCHBOARD.
	AS NOTED	DISCONNECT SWITCH: "F" INDICATES FUSED DISCONNECT.
	AS NOTED	MOTOR OR OTHER POWER CONTROLLER.
	AS NOTED	COMBINATION SWITCH AND CONTROLLER.
	AS NOTED	TOGGLE MOTOR STARTER SWITCH WITH OVERLOAD PROTECTION.
	AS REQUIRED	METER.
TELEPHONE/DATA SYSTEMS WIRING DEVICES:		
MOUNTING HEIGHTS SHOWN ARE TYPICAL HEIGHTS. REFER TO RELATED SPECIFICATIONS, DIVISION 16 DRAWINGS, ARCHITECTURAL ELEVATIONS, DRAWINGS AND SPECIFICATIONS FOR ACTUAL MOUNTING HEIGHTS.		
	18"	TELEPHONE OUTLET.
	48"	TELEPHONE OUTLET: WALL PHONE.
	FLOOR	TELEPHONE OUTLET.
	18"	DATA OUTLET.
	WALL	TELEPHONE TERMINAL BOARD.

WIRING DEVICES:		REFER TO SECTION 16143 AND WIRING DEVICE SCHEDULES FOR WIRING DEVICE SELECTION AND INSTALLATION REQUIREMENTS. MOUNTING HEIGHTS SHOWN ARE TYPICAL HEIGHTS. REFER TO SECTION 16143, DIVISION 16 DRAWINGS, ARCHITECTURAL ELEVATIONS, DRAWINGS AND SPECIFICATIONS FOR ACTUAL MOUNTING HEIGHTS. SUPERSCRIPT INDICATES OUTLET CONTROLLED.
		JUNCTION BOX.
	18"	DUPLEX RECEPTACLE OUTLET: SEE SPEC.
	18"	FOURPLEX RECEPTACLE OUTLET: SEE SPEC.
	18"	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF: NEMA 5-20R.
	18"	DUPLEX RECEPTACLE OUTLET, ISOLATED GROUND: NEMA 5-20R.
	18"	DUPLEX RECEPTACLE OUTLET, GFI: NEMA 5-20R.
	FLOOR	FLOOR DUPLEX OUTLET: NEMA 5-20R.
	WALL	DRINKING FOUNTAIN OUTLET: CONCEAL WATER COOLER OUTLET BEHIND WATER COOLER. SEE DIVISION 15 SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	DF	
	AS NOTED	MULTI-OUTLET ASSEMBLY: NEMA 5-15R.
	48"	SINGLE POLE SWITCH.
	48"	THREE WAY SWITCH.
	48"	FOUR WAY SWITCH.
SPECIAL OUTLETS:		
REFER TO EQUIPMENT SCHEDULES FOR DESIGN CAPACITIES AND REQUIREMENTS PERTAINING TO CONNECTION WORK. PRIOR TO PURCHASING OR INSTALLING ELECTRICAL WORK, REFER TO EQUIPMENT SHOP DRAWINGS FOR MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING CONTROL WIRING, MOUNTING HEIGHTS, AND PLUG CONFIGURATIONS. MOUNTING HEIGHTS INDICATED IN THIS SCHEDULE ARE TYPICAL HEIGHTS. COORDINATE SHOP DRAWINGS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS, DIVISION 15 DRAWINGS AND SPECIFICATIONS.		
	AS REQUIRED	MOTOR OUTLET.
	AS REQUIRED	EXHAUST FAN OUTLET.
	AS NOTED	SPECIAL PURPOSE OUTLET.
	AS NOTED	PHOTOCELL.
	AS NOTED	TELEVISION.
FIRE ALARM SYSTEMS:		
REFER TO SECTION 16121 FOR DEVICE SELECTION AND INSTALLATION REQUIREMENTS. REFER TO SHOP DRAWINGS FOR ROUGH-IN AND WIRING DIAGRAMS. MOUNTING HEIGHTS SHOWN ARE TYPICAL HEIGHTS. REFER TO SECTION 16121, DIVISION 16 DRAWINGS, ARCHITECTURAL ELEVATIONS, DRAWINGS AND SPECIFICATIONS FOR ACTUAL MOUNTING HEIGHTS. LOCATION OF SMOKE DETECTORS SHALL BE SELECTED ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND NFPA STANDARDS.		
	TOP @ 80"	FIRE ALARM PANEL, SEMI RECESSED.
	48"	MANUAL PULL STATION.
	CEILING/WALL	SMOKE DETECTOR.
	DUCT	DUCT DETECTOR.
	CEILING/WALL	HEAT DETECTOR: COMBINATION FIXED AND RATE OF RISE.
	PIPE	WATER FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	PIPE	TAMPER SWITCH: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
	84"	ALARM HORNS, WITH PROJECTIONS AS SHOWN.
	AS NOTED	MAGNETIC DOOR HOLDERS.
	AS NOTED	AUTOMATIC DOOR CLOSERS: DOOR CLOSERS SHALL BE FURNISHED WITH DOOR HARDWARE AND CONNECTED TO BY DIVISION 16 INSTALLERS.
	AS NOTED	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
NURSE'S CALL SYSTEMS:		
REFER TO SECTION 16150 FOR DEVICE SELECTION AND INSTALLATION REQUIREMENTS. REFER TO SHOP DRAWINGS FOR ROUGH-IN AND WIRING DIAGRAMS. MOUNTING HEIGHTS SHOWN ARE TYPICAL HEIGHTS. REFER TO SECTION 16150, DIVISION 16 DRAWINGS, ARCHITECTURAL ELEVATIONS, DRAWINGS AND SPECIFICATIONS FOR ACTUAL MOUNTING HEIGHTS.		
	54"	SINGLE PATIENT STATION, 3G BACKBOX.
	54"	DUAL PATIENT STATION, 3G BACKBOX.
	54"	DUTY/STAFF STATION, 3G BACKBOX.
	41"	EMERGENCY STATION W/PULL CORD, 1G BACKBOX.
	41"	CODE BLUE STATION, 1G BACKBOX.
	41"	NURSE LOCATE RECEIVE UNIT, 1G BACKBOX.
	ABOVE DOOR	DOME LIGHT ASSEMBLY, SEE SPEC.
	FLOOR	FOOT SWITCH.
	COUNTER	NURSES CONTROL STATION.
		NURSES CALL EQUIPMENT PANEL.



DRAWING INDEX	
SHEET #	DRAWING TITLE
E-00	TITLE SHEET/SYMBOLS
E-01	ONE-LINE DIAGRAM
E-02	ONE-LINE DIAGRAM CONT. NURSE'S CALL RISER
E-03	ELECTRICAL REQUIREMENTS SCHEDULE
E-04	PANEL SCHEDULES
E-05	FIXTURE SCHEDULE
E-2.1	MAIN LEVEL LIGHTING PLAN
E-2.2	BASEMENT LEVEL LIGHTING PLAN
E-3.1	MAIN LEVEL POWER PLAN
E-3.2	BASEMENT LEVEL POWER PLAN
E-4.1	MAIN LEVEL NURSE'S CALL PLAN
E-4.2	BASEMENT LEVEL NURSE'S CALL PLAN
E-5.1	MAIN LEVEL FIRE ALARM PLAN
E-5.2	BASEMENT LEVEL FIRE ALARM PLAN

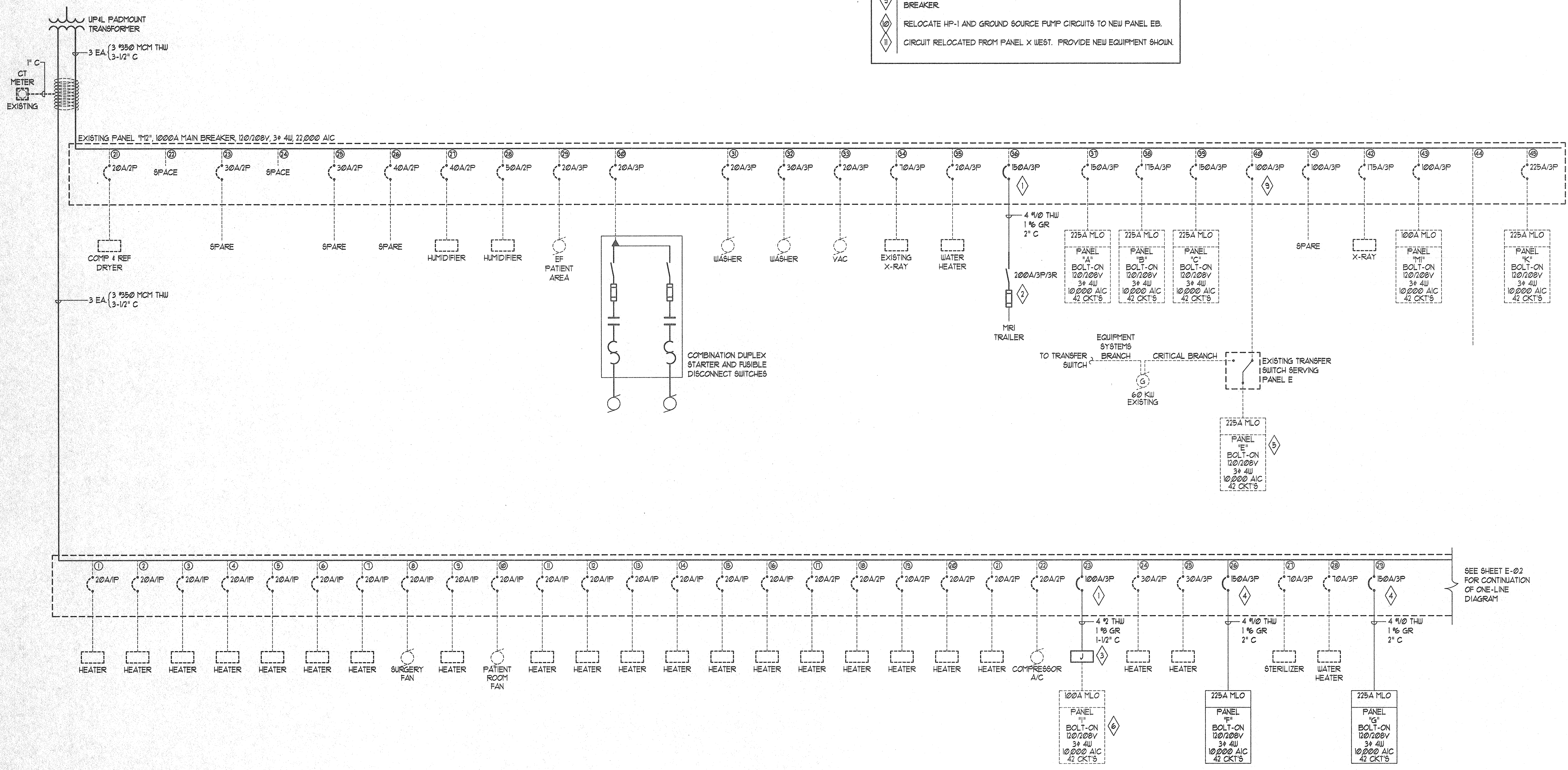


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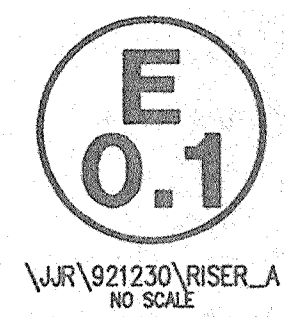
**KEYED NOTES**

- 1 PROVIDE NEW CIRCUIT BREAKER.
- 2 PROVIDE FUSIBLE SWITCH ADJACENT TO MRI TRAILER LOCATION FOR FUTURE CONNECTION.
- 3 REMOVE PANEL EH FEEDER FROM TRANSFER SWITCH AND SPLICE TO NEW FEEDER FROM PANEL H.
- 4 REPLACE EXISTING 20A/3P CIRCUIT BREAKER WITH NEW 150A/3P CIRCUIT BREAKER.
- 5 ALL EXISTING LIFE SAFETY CIRCUITS SHALL BE REPLACED BY NEW CIRCUITS FROM PANEL E4.
- 6 EXISTING PANEL EH. RELABEL AS PANEL I.
- 7 REPLACE EXISTING 300A/3P CIRCUIT BREAKER WITH NEW 400A/3P CIRCUIT BREAKER.
- 8 REMOVE PANEL X EAST AND FEEDER.
- 9 REPLACE EXISTING 125A/3P CIRCUIT BREAKER WITH NEW 100A/3P CIRCUIT BREAKER.
- 10 RELOCATE HP-1 AND GROUND SOURCE PUMP CIRCUITS TO NEW PANEL EB.
- 11 CIRCUIT RELOCATED FROM PANEL X WEST. PROVIDE NEW EQUIPMENT SHOWN.

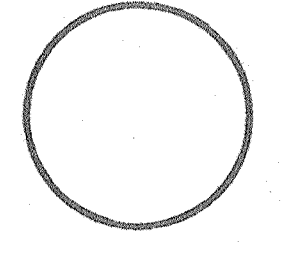


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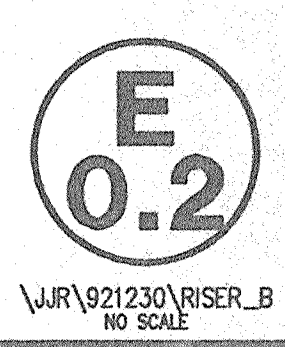


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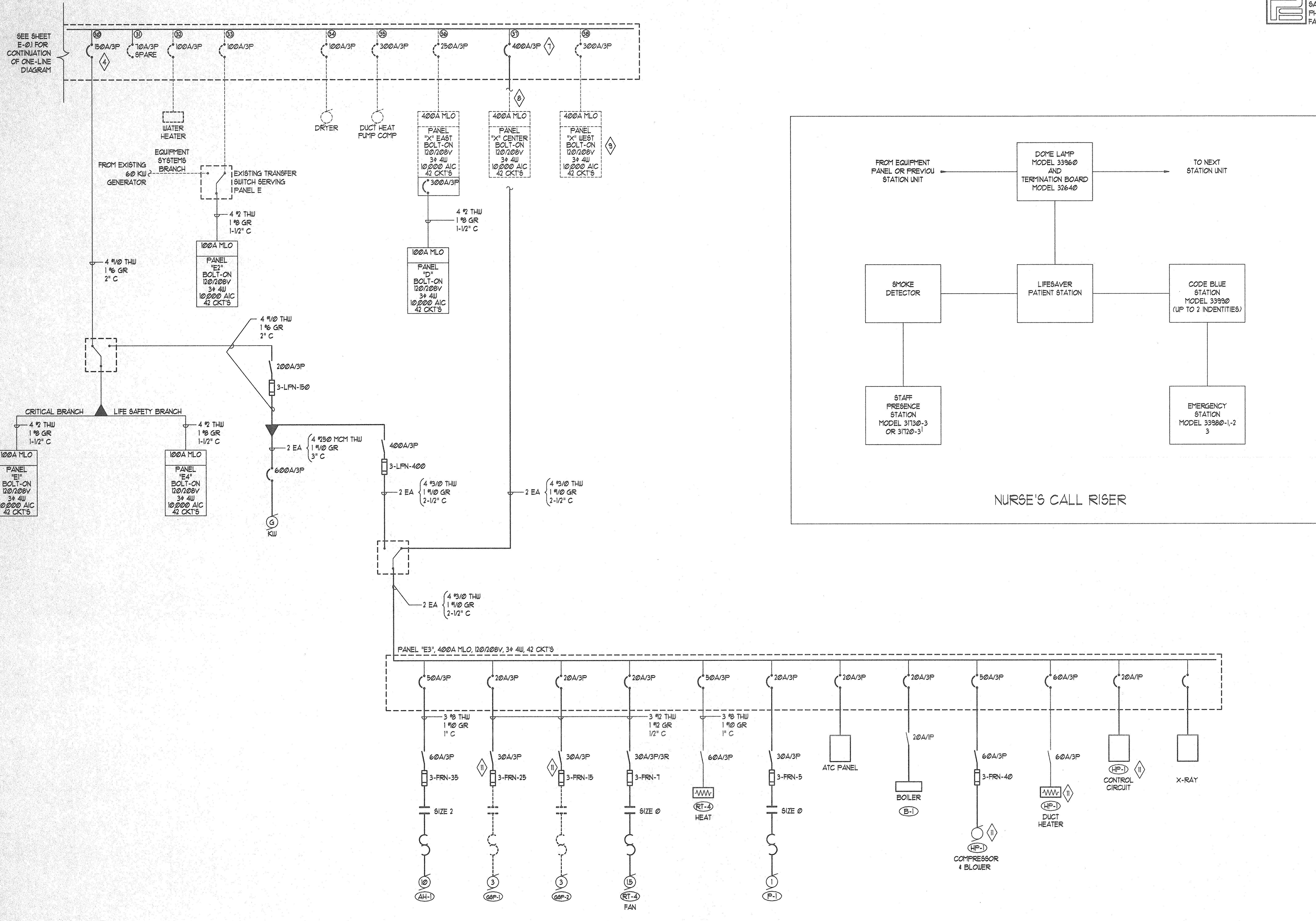
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ONE-LINE DIAGRAM CONT.  
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LEGEND										ELECTRICAL REQUIREMENTS																								
E - DIVISION 16 G - FURNISHED WITH THE EQUIPMENT C - COORDINATE WITH THE DIVISION B TEMPERATURE CONTROL INSTALLER ** - AUTOMATIC CONTROL WIRING BY DIVISION B										LOAD DATA					OVERCURRENT PROTECTION		DISCONNECT		STARTER DATA						REMARKS									
EQUIP ID	QTY	DESCRIPTION	HP	KW	MCA	FLA	VOLTAGE	PHASE	Hz	WIRE AND CONDUIT SIZE	FURNISHED BY	DEVICE	LOCATION	FURNISHED BY	DEVICE	LOCATION	FURNISHED BY	DEVICE	LOCATION	SIZE	SPEEDS	CONTROL VOLTAGE	SELECTOR SWITCH	FLUSH BUTTON		PILOT LAMP	NO. CONTACTS	NO. CONTACTS	FAILURE RELAY	SCHEMATIC REFERENCE	REMOTE CONTROL	EQUIP ID		
AH-1	-	AIR HANDLER	10	-	30.8	200	3	60		3 # THU 1 #0 GR 1" C	E	50A/3P C/B	PANEL "E3"	E	60A/3P EQUIP	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	2	1	24	HOA	-	R	2	2	-	-	-	"	AH-1	CONTROLLED BY ATC PANEL IN MECH 304 CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.	
CJ-1	-	CONDENSING UNIT	-	-	92.1	152	200	3	60	3 # THU 1 #0 GR 1 1/2" C	E	-	-	E	100A/3P EQUIP	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	CJ-1	-
CJ-2	-	CONDENSING UNIT	-	-	14.5	-	200	1	60	2 # THU 1 #2 GR 1 1/2" C	E	-	-	E	30A/2P EQUIP	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	CJ-2	-	
CJ-3	-	CONDENSING UNIT	-	-	23.5	-	200	1	60	2 # THU 1 #2 GR 1 1/2" C	E	-	-	E	30A/2P EQUIP	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	CJ-3	-	
CJ-4	-	CONDENSING UNIT	-	-	14.5	-	200	1	60	2 # THU 1 #2 GR 1 1/2" C	E	-	-	E	30A/2P EQUIP	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	CJ-4	-	
EF-1	-	EXHAUST FAN	1/6	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EF-1	INTERCONNECT TO START WITH RESTROOM LIGHTING.	
EF-2	-	EXHAUST FAN	1/3	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	-	-	-	-	-	-	-	-	"	EF-2	CONTROLLED BY COMPUTER CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.	
EF-3	-	EXHAUST FAN	1/6	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	E	THERMOSTAT	WALL	-	-	-	-	-	-	-	-	-	-	-	E	EF-3	PROVIDE WALL MOUNTED COOLING TYPE LINE VOLTAGE THERMOSTAT.	
EF-4	-	EXHAUST FAN	1/3	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	EF-4	-	
EF-5	-	EXHAUST FAN	1/6	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EF-5	INTERCONNECT TO START WITH SUN ROOM LIGHTING.	
EF-6	-	EXHAUST FAN	1/6	-	-	-	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	-	-	-	-	-	-	-	-	"	EF-6	CONTROLLED BY COMPUTER CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.	
BB-1	-	BASEBOARD HEATER	-	-	-	6.3	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	-	-	-	Q	UNIT MOUNT THERMOSTAT	-	-	-	-	-	-	-	-	-	-	-	-	BB-1	-		
B-1	-	BOILER	-	-	-	4	120	1	60	2 # THU 1 #2 GR 1 1/2" C	E	20A/1P C/B	PANEL	E	THERMAL SWITCH	ADJ TO EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	B-1	-	
P-1	-	HV PUMP	1	-	-	-	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	20A/3P C/B	PANEL "E3"	E	30A/3P EQUIP	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	HOA	-	R	2	2	-	-	"	P-1	CONTROLLED BY ATC CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.		
RT-2	-	ROOFTOP UNIT FAN	1	-	-	4.0	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	20A/3P C/B	PANEL	E	30A/3P EQUIP	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	HOA	-	R	2	2	-	-	"	RT-2	CONTROLLED BY ATC CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.		
RT-2	-	ROOFTOP UNIT HEATER	-	-	-	10.2	-	-	-	3 # THU 1 #0 GR 1" C	E	-	-	E	30A/3P EQUIP	ADJ TO EQUIP	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	"	RT-2	PROVIDE 1" CONDUIT BETWEEN UNIT AND ATC.	
RT-3	-	ROOFTOP UNIT FAN	15	-	-	5.1	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	-	-	E	30A/3P EQUIP	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	HOA	-	R	2	2	-	-	"	RT-3	CONTROLLED BY ATC CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.		
RT-3	-	ROOFTOP UNIT HEATER	-	-	-	13.5	-	-	-	3 # THU 1 #0 GR 1" C	E	-	-	E	60A/3P EQUIP	ADJ TO EQUIP	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	"	RT-3	PROVIDE 1" CONDUIT BETWEEN UNIT AND ATC.	
RT-4	-	ROOFTOP UNIT FAN	15	-	-	5.1	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	20A/3P C/B	PANEL "E3"	E	30A/3P EQUIP	ADJ TO EQUIP	E	FVNR	ADJ TO EQUIP	Ø	1	24	HOA	-	R	2	2	-	-	"	RT-4	CONTROLLED BY ATC CONFIRM CONTROL VOLTAGE PRIOR TO INSTALLATION.		
RT-4	-	ROOFTOP UNIT HEATER	-	-	-	14.1	-	-	-	3 # THU 1 #0 GR 1" C	E	50A/3P C/B	PANEL "E3"	E	60A/3P NON-FUSED	ADJ TO EQUIP	Q	-	-	-	-	-	-	-	-	-	-	-	-	-	"	RT-4	PROVIDE 1" CONDUIT BETWEEN UNIT AND ATC.	
G&P-1	1	GROUND SOURCE PUMP	3	-	-	10.6	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	20A/3P C/B	PANEL "E3"	E	30A/3P EQUIP	ADJ TO EQUIP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-	E	G&P-1	RELOCATE CIRCUIT TO PANEL "E3".		
G&P-2	1	GROUND SOURCE PUMP	3	-	-	10.6	200	3	60	3 # THU 1 #2 GR 1 1/2" C	E	20A/3P C/B	PANEL "E3"	E	30A/3P EQUIP	ADJ TO EQUIP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-	E	G&P-2	RELOCATE CIRCUIT TO PANEL "E3".		
HP-1	1	HEAT PUMP COMP. BLOWER	-	-	-	39.4	36	200	3	60	3 # THU 1 #0 GR 1" C	E	50A/3P C/B	PANEL "E3"	E	60A/3P EQUIP	ADJ TO EQUIP	Q	-	-	-	-	-	-	-	-	-	-	-	"	HP-1	RELOCATE CIRCUIT TO PANEL "E3".		
HP-1	1	HEAT PUMP DUCT HEATER	-	-	-	19	-	-	-	3 # THU 1 #0 GR 1" C	E	50A/3P C/B	PANEL "E3"	E	60A/3P EQUIP	ADJ TO EQUIP	Q	-	-	-	-	-	-	-	-	-	-	-	-	"	HP-1	RELOCATE CIRCUIT TO PANEL "E3".		

DATE: APR. 7, 1993  
 JOB # 921230JJR  
 BY: JKC

REVISIONS

GUNNISON VALLEY HOSPITAL  
 ADDITION & REMODEL  
 UTAH  
 GUNNISON

JHCH Architects • P.C.  
 ARCHITECTS  
 PLANNERS  
 UNIVERSITY OF UTAH RESEARCH PARK  
 SALT LAKE CITY, UTAH, 84103 801-533-5333

E  
 0.3  
 JLR/921230/ELE/ECR  
 NO SCALE

DATE:  
 APR. 7, 1993  
 JOB #  
 921230JJR  
 BY:  
 JKC

REVISIONS

GUNNISON VALLEY HOSPITAL  
 ADDITION & REMODEL  
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 GUNNISON

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 PLANNERS  
 UNIVERSITY OF UTAH RESEARCH PARK  
 271 WILKINSON WAY, SUITE 202  
 SALT LAKE CITY, UTAH, 84143  
 801-583-5533

E  
 0.4  
 INCHES = 1 FOOT  
 NO SCALE

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: D.PLN  
 PANEL IDENT: D TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 100 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.		
NO.	AMP	POLE	LTG	KW	A	B	C	KW	LTG	CO'S	PWR	AMP	POLE	NO.
1	20	1	6					DINING/SUNROOM V	5			20	1	2
3	20	1	3					DINING/SUNROOM E	5			20	1	4
5	20	1	1					STEAM TABLE				20	1	6
7	20	1	4					RECOVERY/NURSERY				20	1	8
9	20	1	4					RECOVERY/NURSERY				20	1	10
11	20	1	1					WORKROOM COPY				20	1	12
13	20	1	4					WORKROOM				20	1	14
15	20	1	7					OFFICES				20	1	16
17	20	1	4					OPEN OFFICES				20	1	18
19	20	1	4					OPEN OFFICES				20	1	20
21	20	1										20	1	22
23	20	1										20	1	24
25	20	1										20	1	26
27	20	1										20	1	28
29	20	1										20	1	30
31	20	1										20	1	32
33	20	1										20	1	34
35	20	1										20	1	36
37	20	1										20	1	38
39	20	1										20	1	40
41	20	1										20	1	42

TOTALS: KVA PER PHASE 2.2 1.6 2.3 TOTAL KVA 6.2  
 AMPS PER PHASE 19 13 19 AVG AMP PER PHASE 17

WIRING:

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: F.PLN  
 PANEL IDENT: F TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 225 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.		
NO.	AMP	POLE	LTG	KW	A	B	C	KW	LTG	CO'S	PWR	AMP	POLE	NO.
1	20	1						DARKROOM				20	1	2
3	20	1	5					VIEW ROOM				20	1	4
5	20	1	3					CAT SCAN				20	1	6
7	20	1	3					X-RAY				20	1	8
9	20	1	5					JAN/OFFICE				20	1	10
11	20	1	4					OPEN TREATMENT				20	1	12
13	20	1	3					CLOSED TREATMENT				20	1	14
15	20	1	3									20	1	16
17	20	1	3					OPEN TREATMENT				20	1	18
19	20	1	4					MAMMOGRAPHY				20	1	20
21	20	1	3					ULTRASOUND				20	1	22
23	20	1										20	1	24
25	20	1										20	1	26
27	20	1	8					LAB/WAITING				20	1	28
29	20	1	4					RECEPTION				20	1	30
31	20	1	4					SECURE PATIENT				20	1	32
33	20	1	4					ANTE/SECURE PAT.				20	1	34
35	20	1	7					STORE/ELEV/JAN				20	1	36
37	20	1	3					PHYS THERAPY				20	1	38
39	20	1	4					PHYS THERAPY				20	1	40
41	20	1	3					PHYS THERAPY				20	1	42

TOTALS: KVA PER PHASE 0 0 0 TOTAL KVA 0  
 AMPS PER PHASE 0 0 0 AVG AMP PER PHASE 0

WIRING:

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: G.PLN  
 PANEL IDENT: G TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 225 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.		
NO.	AMP	POLE	LTG	KW	A	B	C	KW	LTG	CO'S	PWR	AMP	POLE	NO.
1	20	1	5					EMERGENCY EMTRY	0.65	1.9		1.3		2
3	20	1	6					WALL PACKS	1.2	1.8		0.64		4
5	20	1	14					LIGHTING	1.1		2.4	1.3		6
7	20	1	24					LAB	1.4	2		0.64		8
9	20	1	8					LOBBY	1.3	2.6		1.3		10
11	20	1	11					SECURE PATIENT	0.91		1.5	0.64		12
13	20	1	12					TREATMENT ROOM	0.79	2.2		1.42		14
15	20	1	12					RR/JAN/STOR/ELEV	0.9		2.2	1.3		16
17	20	1	15					PHYSICAL THERAPY	1.2		1.2			18
19	20	1	17					PHYSICAL THERAPY	0.8	0.8				20
21	20	1												22
23	20	1												24
25	20	1												26
27	20	1	8					LAB/WAITING						28
29	20	1	4					RECEPTION						30
31	20	1	4					SECURE PATIENT						32
33	20	1	4					ANTE/SECURE PAT.						34
35	20	1	7					STORE/ELEV/JAN						36
37	20	1	3					PHYS THERAPY						38
39	20	1	4					PHYS THERAPY						40
41	20	1	3					PHYS THERAPY						42

TOTALS: KVA PER PHASE 7 6.6 5.1 TOTAL KVA 18  
 AMPS PER PHASE 58 55 42 AVG AMP PER PHASE 52

WIRING:

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: E.PLN  
 PANEL IDENT: E TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 100 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFEED LUGS

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.		
NO.	AMP	POLE	LTG	KW	A	B	C	KW	LTG	CO'S	PWR	AMP	POLE	NO.
1	20	1						ROOM 68 EM				20	1	2
3	20	1						CLOCKS				20	1	4
5	20	1						ROOM 68 CO'S				20	1	6
7	20	1						NARCOTIC'S CO'S				20	1	8
9	20	1						HALL CO'S				20	1	10
11	20	1						DELIVERY ROOM				20	1	12
13	20	1						OPERATING ROOM				20	1	14
15	20	1						IC CO'S				20	1	16
17	20	1						EAST BSMT CO'S				20	1	18
19	20	1										20	1	20
21	20	1										20	1	22
23	20	1						SURGERY EF/EH				20	1	24
25	20	1	7					REC/NURSERY/NURSE	0.8	0.8				26
27	20	1	8					LAB/WAITING				20	1	28
29	20	1	4					RECEPTION				20	1	30
31	20	1	4					SECURE PATIENT				20	1	32
33	20	1	4					ANTE/SECURE PAT.				20	1	34
35	20	1	7					STORE/ELEV/JAN				20	1	36
37	20	1	3					PHYS THERAPY				20	1	38
39	20	1	4					PHYS THERAPY				20	1	40
41	20	1	3					PHYS THERAPY				20	1	42

TOTALS: KVA PER PHASE 0.8 0 0 TOTAL KVA 0.8  
 AMPS PER PHASE 6.6 0 0 AVG AMP PER PHASE 2.2

WIRING:

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: E1.PLN  
 PANEL IDENT: E1 TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 100 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.		
NO.	AMP	POLE	LTG	KW	A	B	C	KW	LTG	CO'S	PWR	AMP	POLE	NO.
1	20	1						CLOSED TREATMENT	0.18	0.1		20	1	2
3	20	1						OPEN TREATMENT	0.18	0.1		20	1	4
5	20	1						OPEN TREATMENT	0.18	0.1	0.1	20	1	6
7	20	1						ULTRASOUND	0.18	0.1		20	1	8
9	20	1	3					SEC PAT	0.54	0.5		20	1	10
11	20	1	12					TREATMENT LTG	0.96		1.2	0.32		12
13	20	1	3					TREATMENT LTG	0.45	0.4				14
15	20	1	5					LAB NORTH	0.9	0.9				16
17	20	1	5					LAB NORTH	0.9		0.9			18
19	20	1	5					LAB NORTH	0.9	0.9				20
21	20	1	3					LAB SE	0.54	0.5				22
23	20	1	3					LAB SE	0.54	0.5	0.5			24
25	20	1	1					MICRO LAB	0.2	0.2				26
27	20	1	1					MICRO LAB	0.2	0.2	0.2			28
29	20	1	4					LAB SOUTH	0.72	0.7				30
31	20	1	4					LAB SOUTH	0.72	0.7				32
33	20	1	2					LAB SOUTH	0.36	0.3				34
35	20	1	3					LAB CENTER	0.54	0.5				36
37	20	1	3					LAB CENTER	0.54	0.5				38
39	20	1	1									20	1	40
41	20	1										20	1	42

TOTALS: KVA PER PHASE 3.1 2.7 4.1 TOTAL KVA 10  
 AMPS PER PHASE 26 22 34 AVG AMP PER PHASE 27

WIRING: 4 #2 THW, 1 #6 GR, 1-1/2" C

4/7/93 CLIENT: JHCH JOB: GUNNISON HOSPITAL FILE: E3.PLN  
 PANEL IDENT: E3 TYPE: BOLT-ON 120/208 VOLT 3 PHASE 4 WIRE 10,000 A.I.C.  
 MOUNT: SURFACE 22" WIDE 6" DEEP 400 AMPERE MAIN LUGS  
 ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR

CIR NO.	D/C	PROT	OUTLETS	LCL	PH.	LOAD	LCL	DESCRIPTION	OUTLETS	D/C	PROT	CIR NO.
NO.	AMP	POLE	LTG	KW								

**LIGHTING FIXTURE SCHEDULE**

NOTE TO BIDDERS: Comply with Section 16515, and 16525 of the Specifications. The catalog numbers listed below have been carefully prepared to assist bidders, but may not be complete or accurate. Prior to bidding, each manufacturer shall compare the catalog numbers shown with the descriptions and requirements on the drawings, and shall notify the Architect/Engineer of any discrepancies. Specifically included in this evaluation shall be the verifying of proper mounting kits or accessories to facilitate installation as shown at each location on the drawings. No allowance or redress will be allowed for discrepancies that were not reported to the Architect/Engineer in time for correction or clarification before the bid. The reporting of any ambiguity is the responsibility of the bidder. Unit prices for add/delete changes for each fixture type shown shall be provided by successful electrical installer within 48 business hours of the bid date. Failure to comply with this requirement may disqualify the products and empower the Engineer to determine fair value for fixture and installation changes, without further input from the contractor or installer. Submittal packages shall include lamp manufacturer and catalog number on each fixture sheet. On all pendant mounted fixtures, provide a second set of pendants, of a different length, as directed by the Architect/Engineer, provided and installed at no additional charge. All fixtures shall be approved by UL or another acceptable testing lab for the purpose intended and with the lamp and ballast proposed.

TYPE	FIXTURE CHARACTERISTICS		ELECTRICAL CHARACTERISTICS		MANUFACTURER'S CATALOG #
	BODY / AIR / MOUNTING / DOOR LENS/DOOR/REFLECTOR/OTHER	LAMP	WATTS	VOLTS	
DF	Fluorescent downlight; thermally protected housing; to accommodate multiple trims and reflector assemblies for horizontal lamps as listed below; high power factor ballasts; low iridescent reflector finish (even if not shown in catalog #).				
DF-9	Recessed downlight aluminum reflector with black baffle. 2ea. 13W Quad lamps, 120VHPF, 6 1/2" Aperture	2-Q13	40w 120v		Kirlin 96613-DG-120-HPF Prescolite PBX1894-120HPF IS Morco MX713-928 LI Lithonia AF21307MB-120-HPF Lightolier 8052MG-H120 Indy 706R D31H BKB 120 Capri PL17/120HPF-T441
DL	Thermally protected housing; to accommodate multiple trims and reflector assemblies for low voltage lamps as listed below; max 7 1/2" deep.				
DL-3	Low voltage downlight; specular alzak cone with adjustable PAR36 12 volt lamp; integral low voltage transformer; white aluminum trim.	50W/PAR36	50w 120v		Prescolite PBX MLV-1A-62S Juno TC46-467 Marco V275561W Lithonia LV-VPA-2A-120 Lightolier 1102P1/1164-120 Capri LV-4TX/LV322
E	E prefix indicates that fixture is provided with an emergency battery pack to provide power to any 2, 3, 4 or 8 foot fluorescent lamp compatible with all standard and solid state ballasts; completely self-contained to provide 90 minutes of emergency power to fixture ballast; minimum light output for typical 4' lamp shall be 700 lumens or higher; universal transformer for 120 or 277 volts; low voltage protection, combination test switch and AC "on" indicator; 10 year pro-rata warranty; install test switch in a manner that requires no disassembly for testing.				
E	Emergency battery pack for use in surface mounted fixtures only.		120/277v		Surelites FBP-2-40U Exide FTU-248-7 Chloride CFPB-4 Energi-Lite FPS1/U Lithonia PS-500 Hubbell E48A Prescolite EFP-4
E	Emergency battery pack for use in lay-in fixtures only.		120/277v		Duallite UFO-2X-LRLT Lithonia PS1-ELA-PSMK Energi-Lite FPSR 720E-RTS Chloride CFP4-5/CCAPS/RTS Surelites FBP-2-40U/RT-SWPL Prescolite EFP-4 Exide FTU-248-7 Hubbell E48A
E2	Exit Sign; thermoplastic or cast aluminum housing; universal mounting; universal arrows per plans; electroluminescent panel; green letters on white background. Must meet NFPA illumination standards.				
E2-1	Single Face:	EL	1w 120v		Prescolite EL1226W Lithonia ELESV1G120 Duallite CSGW-LM Isolite ELSGIU Energi-lite WELP1G-120 Exide MACEWP1-120
E2-2	Dual Face:	EL	2w 120v		Prescolite EL1326W Lithonia ELESW2G120 Duallite CDGW-LM Energi-lite WELP2G-120 Exide MACEWP2-120
GS	Troffers; recessed for lay-in grid; static; hinged and latched door; acrylic prismatic lens, minimum 1/8"; earthquake clips; specification grade.				
GS-3	2 x 2, energy saving ballasts and lamps, 2-lamp, 120V 5" deep max flush steel door.	2-F40U	80w 120v		Lithonia 2SPG2U40A12-125-120ES Metalux 2GS-206A-125-120-LE3-EQ Daybrite CG222C12C-120-ESB Columbia 4PS2G-52-125 222U-120-ESB Hubbell RA2GNA02E1 Lightolier SPS2FGSV12U4120LE
GS-7	2 x 4, energy saving ballasts and lamps, 3-lamp, 120V 5" deep max flush steel door.	3-F40RS	120w SS/WW 120v		Lithonia 2SPG340A12-125-120ES Metalux 2GS-340A-125-120-LE3-EQ Daybrite CG243C12D-120-ESB Columbia 4PS2G52-125243120ESB Lightolier XT2GV8340120LE Hubbell RD3GNA02E1A

HD	Recessed HID downlights; open aperture; high power factor ballasts; bottom access required; premium silent pack ballasts; fused; provide tempered glass shields for 175W and 250W Metal Halide and other lamps which require end of life protection.				
HD-1	10' aperture; black baffle 120V; 100W High Pressure Sodium lamp	100W 130w E-23 1/2 CLEAR HPS	120v		Prescolite 1226S8-100HPS FE B652-120 GLR Halo M7010T-650-75000BA-TF Marco HD523266-120 Omega PS8177-PS8177-120-FU Lithonia LGH-100S-12-SBT73-SF Lightolier 3348S-A8-FS
ID	Darkroom in-use lights; mounting as noted; verify filter colors with Architect prior to ordering.				
ID-1	Recessed darkroom light with colored filters.	25w/100w	125w 120v		Cole PH-810-2PB Lighttech 38102 Vista FL 1002-RE Morlite F548-2-DR Altko R2058-2
ID-2	Room "IN USE" light Wall mount. Text as noted	lamps included	100w 120v		McPhilen 30LV-62B2 Lighttech L-9153 Lithonia REP1G- room Cole S193- room in use Morlite S-225-sign Surelite DF2CX/004-346
IB	Wall sconce.				
ID-1	Cascade; rounded edges; chrome; 1 -26w pl.	40w	40w 120v		
IS	Drum lights for low density ceilings.				
IS-1	Ceiling mounted drum; diecast aluminum canopy; thermopal glass; wet tube; 100W max.	60w	60w 120v		Prescolite 7808 Marco B1-S Halo H2410AL Kurt Versen L817 Lithonia WSJC Robert WPC-2 Capri CY60
DC	Wall Pack; adjustable cut off; full perimeter gasketing; wet location; stainless steel hinges and latches; projecting lens; HPF ballast, fused; see elevation for mounting height, color as specified by Architect.				
DC-6	150HPS; 120v; recessed J box;	150HPS	200w 120v		Moldcast PCL-1-02-15-12-XX-1FU Hubbell PRS0150S-118 Alumilite NG115S-120-IF-XX McPhilen 9A-164JB-120FU Hydrel HP2-04-1-2-FU
P3	Parabolic louver fixtures with 3' louvers in plastic protectors and full depth reflector; size as noted; energy saving lamps and ballasts; air return and heat removal; earthquake clips installed on grid fixtures; hinged and latched door				
P3-3	2X2 9 cell lay-in; 120V; semi specular louvers	2-F40U RSWSS	80w 120v		Lithonia 2PM3GC2U40-9-S120-ES Daybrite PGC222-P9S22-120-ESB-EQ Metalux HR2P3GAX-2U6S33H -120-LE3-EQ Columbia P4-222UG-43-333-6-120-ESB Hubbell RA2GCZACE1A9A Lightolier DPA2G9DS2U4120LE
P3-11	2X4 18 cell lay-in; 120V; semi specular silver 3-lamp; provide master/slave fixtures when within 8 feet	3-F40RS WW/SS	125w 120v		Lithonia 2PM3GC340-18-D120-ES-LST Daybrite PGC324-P18S24120-ESB-EQ Metalux HR2P3GAX-340S36H-120-LE3-EQ Columbia P4243G433636120ESB Hubbell RD3GCZDFE1AMS9-9A Lightolier DPA2G18DS340120LE
PS	Parabolic louver fixtures with 3' louvers in plastic protectors and full depth reflector; size as noted; energy saving lamps and ballasts; air return and heat removal; earthquake suitable for surface mounting on low density ceilings; hinged and latched door				
PS-1	2X2 9 cell lay-in; 120V; semi specular louvers	2-F40U RSWSS	80w 120v		Lithonia 2PM3GC2U40-9-S120-ES Daybrite PGC222-P9S22-120-ESB-EQ Metalux HR2P3GAX-2U6S33H -120-LE3-EQ Columbia P4-222UG-43-333-6-120-ESB Hubbell RA2GCZACE1A9A Lightolier DPA2G9DS2U4120LE
PS-2	2X4 18 cell lay-in; 120V; semi specular silver 3-lamp; provide master/slave fixtures when within 8 feet	3-F40RS WW/SS	125w 120v		Lithonia 2PM3GC340-18-D120-ES-LST Daybrite PGC324-P18S24120-ESB-EQ Metalux HR2P3GAX-340S36H-120-LE3-EQ Columbia P4243G433636120ESB Hubbell RD3GCZDFE1AMS9-9A Lightolier DPA2G18DS340120LE
S	Fluorescent strip light; energy saving ballast; steel construction; white painted finish; suitable for mounting on low density ceilings.				
S-5	2-lamp 4 foot rapid start	2-F40RS	80w WW/SS 120v		Lithonia C240-120ES Lightolier CS-240-RS-HPF120ES Metalux SS240-LE3-120 Daybrite T240-120ESB Hubbell SD42R-E1 Columbia CS240-RS-120ESB

UC	Undercabinet light; 1' profile x 5' x length as noted; acrylic diffuser				
UC-3	21 1/4' long, white	T5/13W	30w 120v		Altko 113S Robert LI-13-120 Lightolier TSL1113W Brownlee 5070-13 Duray DUC 113-120 Sefco UCS-13
UC-7	42 1/2' long, white, dual lamp	T5/13W	50w 120v		Altko 213S Robert LI26-120 Lightolier TSL0213W Brownlee 5070-2T13 Duray DUC 213-120 Sefco UCS-26
W	Low profile wraparound; surface mounted suitable for mounting on low density ceilings wraparound acrylic prismatic diffuser; white enamel endplates; minimum CU of 70 @ 80/50/20 and RCR=1; energy saving lamps and energy saving ballasts.				
W-1	Corridor wraparound, 2-lamp approx; 4 1/2' x 7' x 24"120V	F20W	50w 120v		Lithonia CB220A-120-ESB Daybrite CK2222-2-120-ESB Metalux CR220A-120-LE3-LD Lightolier KDL220-120-LE Hubbell WIM22WACE1 Columbia RD 220-120
W-5	Narrow body wraparound, 2-lamp approx; 3' x 10' x 48" 120V	F40RS SS/WW	80w 120v		Lithonia LB240A-120ES Daybrite CA2224-4-120ESB Metalux WS-240A-120LE3-LD Lightolier KBT-240-120-LE Hubbell WGM42-WAC-E1 Columbia WC 240-120-ESB
W-7	Wide body wraparound, 2-lamp approx; 3' x 16' x 48" 120V	F40RS SS/WW	80w 120v		Lithonia 2LB240A-120ESB Daybrite SW2224-B-120ESB Metalux WSA-240A-120-LE3-LD Lightolier KLT-240-120-LE Hubbell WGM42-WAC-E1 Columbia WCV-240A-120-ESB
WB	Wall mounted fluorescent located above mirror; white rectangular housing, with acrylic injection molded prismatic diffuser. Energy saving ballasts and lamps.				
WB-3	2-lamp, energy saving ballasts and lamps; 24" 120V wall mount	F20T12 RSSSW	60w 120v		Benjamin CZW-2222-2W-120ES Nulite BW-220-HTS-120-LE3 Lightolier CW-220-HPF-120-LE Metalux B1220-120-LE3 Midwest WB2201-H-120
WC	Wraparound fluorescent fixtures; energy saving ballasts and lamps.				
WC-5	2X4 fluorescent, matte black chassis, single piece vacuum formed acrylic diffuser; 4 lamp.	F40LV RS/SS	200w 120v		Globe WDU3528-4R-120-ESB Daybrite SD 244-P24-120 ESB Lithonia MP2444-120ES Robert LPX-2-440-120-ESB Metalux SH24-440-120-LE3-SCW24 Lightolier 13244U13558A2 Midwest H440-120 Duray PA-2444-120-ESB
WC-7	4X4 fluorescent, matte black chassis, single piece vacuum formed acrylic diffuser; 6 lamp.	F40LV RS/SS	300w 120v		Globe WDU3546-4R-120-ESB Lithonia MP4464-120-ES Robert LPX-4-640-120-ESB Metalux SH44-640-120-LE3-SCW44 Lightolier 13446U13562A2 Midwest H640-120 Duray PA-4464-120-ESB Daybrite SD 246-P44-120 ESB

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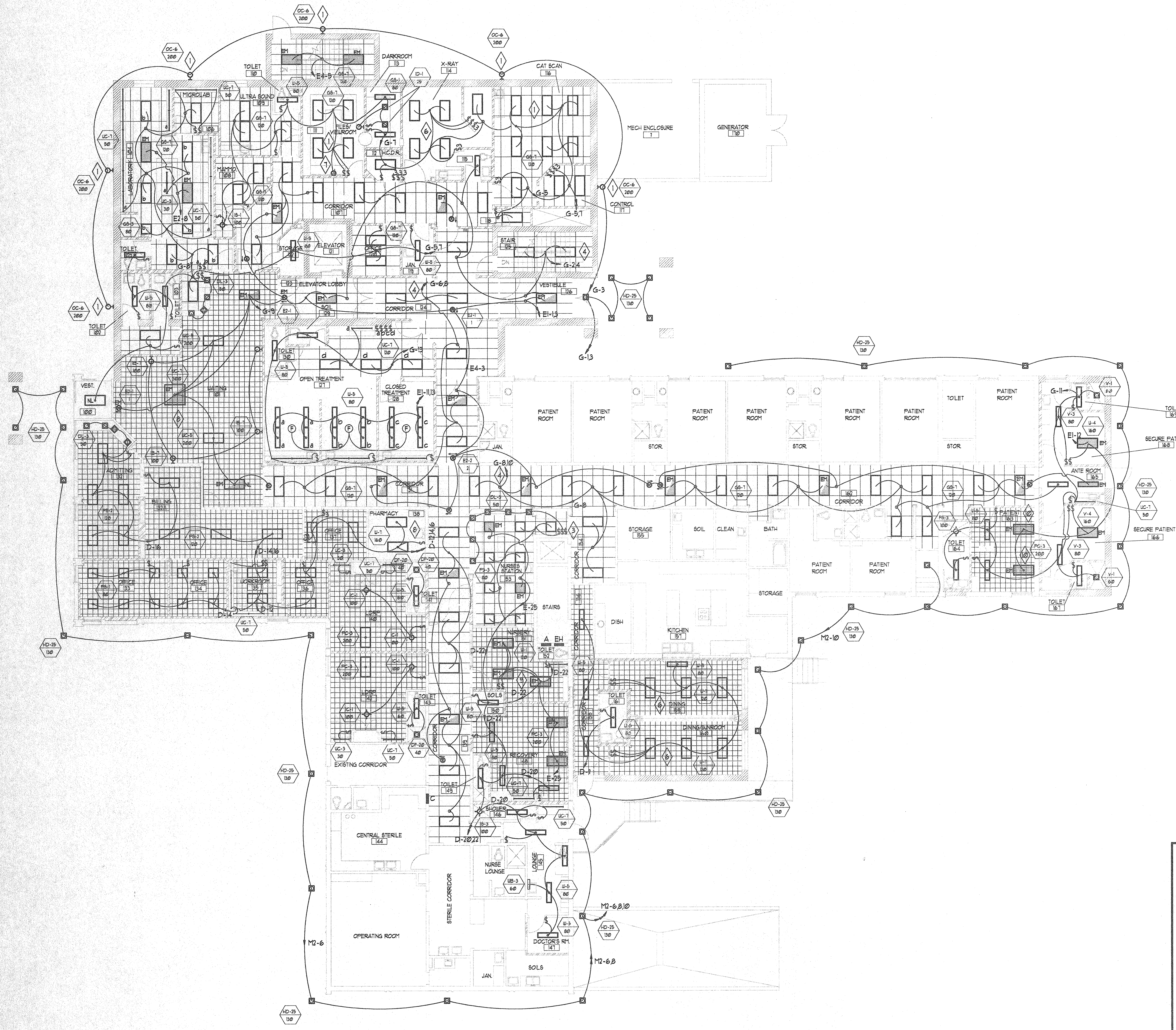
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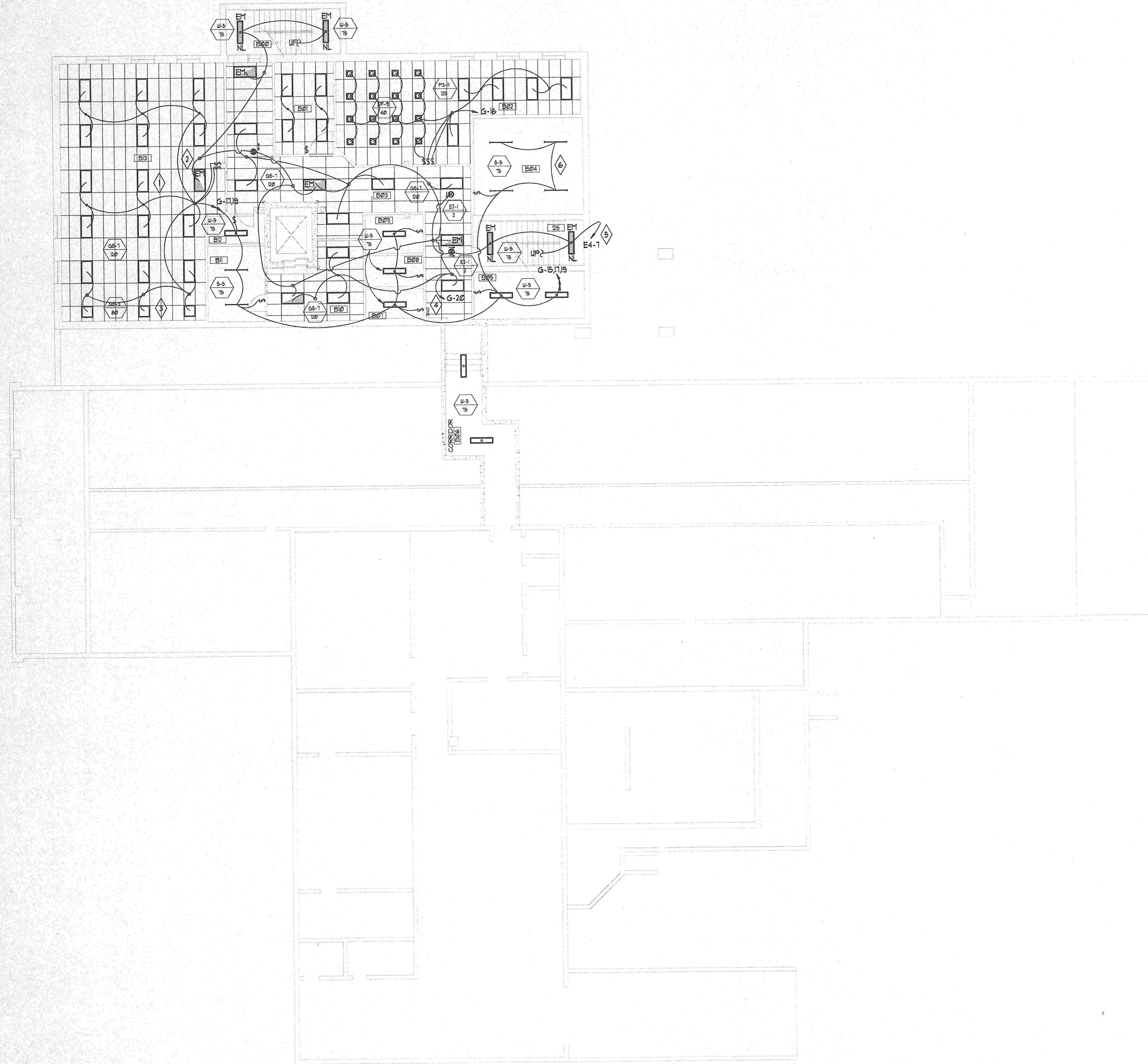
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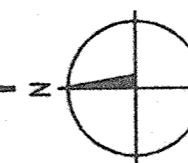
**MAIN FLOOR LIGHTING PLAN**  
 SCALE 1/8"=1'-0"

- KEYED NOTES**
- 1 MOUNT WITH TOP OF FIXTURE EVEN WITH BOTTOM OF SOLDIER COARSE.
  - 2 ROUTE THROUGH EXTERIOR LIGHTING CONTROL CONTACTOR.
  - 3 CORRIDOR LIGHTING CONTROL. SWITCH CONTROLS OUTBOARD LAMPS OF (3) LAMP FLUORESCENT LIGHTING IN CORRIDORS. SEE CORRIDOR LIGHTING DIAGRAM.
  - 4 CIRCUITS G-2,4,6,10,14 SHALL BE ROUTED THROUGH CORRIDOR LIGHTING CONTACTOR. CIRCUITS G-4,8,12 SHALL BE UNSWITCHED.
  - 5 INTERLOCK ROOM AND SAFE LIGHT SWITCHING PER DETAIL.
  - 6 PROVIDE DUAL LEVEL SWITCHING PER DETAIL.
  - 7 PROVIDE STUB AND CONNECT TO OWNER PROVIDED VIEW BOXES.
  - 8 CONNECT (2) LAMPS TO EMERGENCY CIRCUIT.
  - 9 CENTER LAMPS SHALL BE CONNECTED EMERGENCY CIRCUIT.
  - 10 CONTROL BY PULLOW SWITCH PROVIDED WITH NURSES CALL. SEE AUXILIARY SYSTEM DRAWINGS.





**BASEMENT FLOOR LIGHTING PLAN**  
 SCALE 1/8" = 1'-0"



**KEYED NOTES**

- 1 PROVIDE DUAL LEVEL SWITCHING PER DETAIL 1 SHEET 1.
- 2 CONNECT CENTER LAMP TO UNSWITCHED EMERGENCY CIRCUIT.
- 3 SWITCH LAMPS IN 2'x2' FIXTURES WITH OUTBOARD LAMPS OF 2'x4' FIXTURES.
- 4 ROUTE THROUGH CORRIDOR LIGHTING CONTACTOR. CENTER LAMPS SHALL BE ENERGIZED AT ALL TIMES. OUTBOARD LAMPS SHALL BE CONTROLLED BY SWITCH AT NURSES STATION.
- 5 CONNECT CENTER LAMPS OF CORRIDOR FIXTURES TO UNSWITCHED EMERGENCY CIRCUIT.
- 6 SUSPEND FIXTURE BELOW DUCT WORK. EXACT LOCATION TO BE FIELD DETERMINED.

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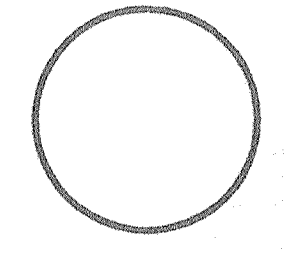
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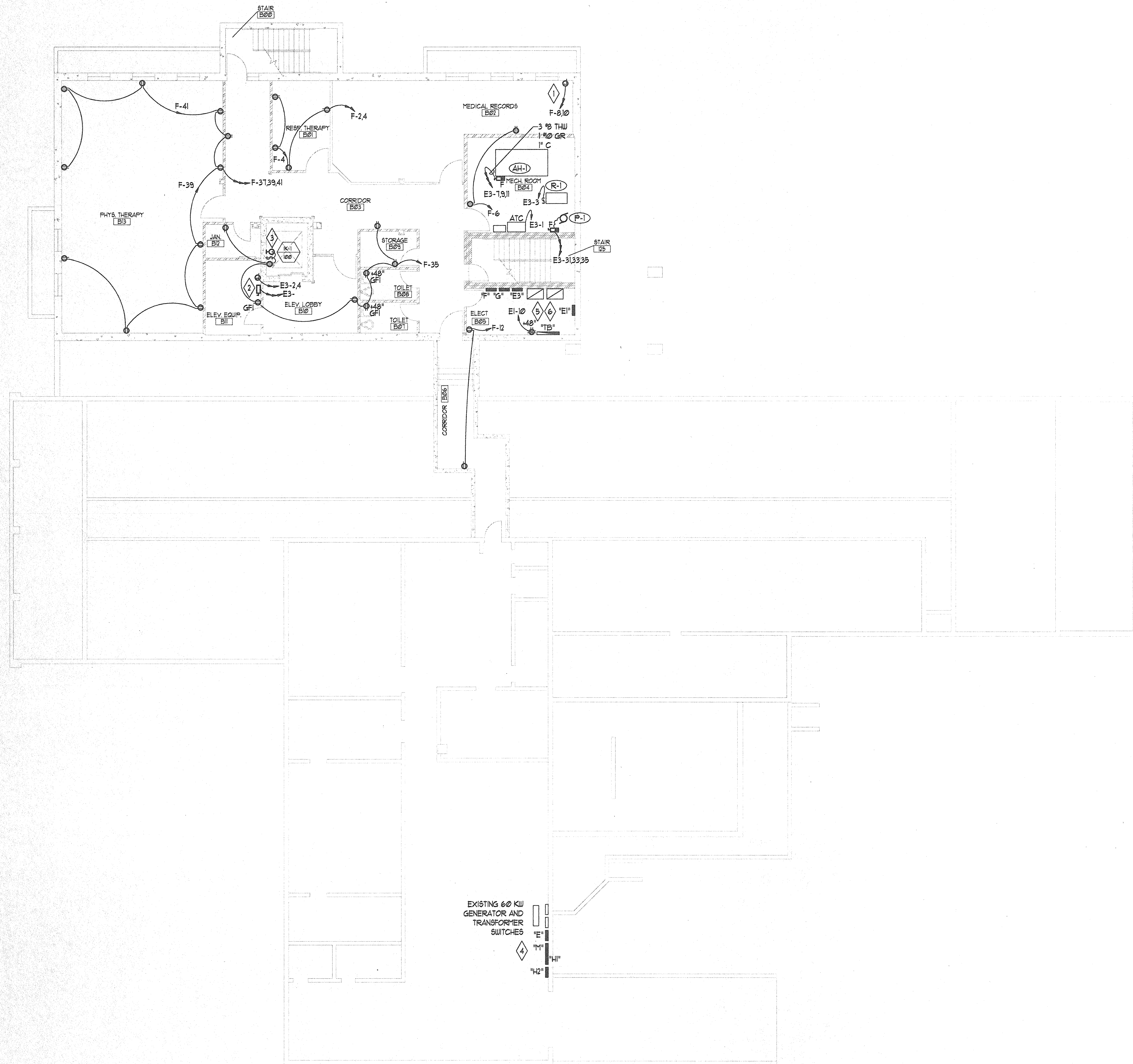


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 SHEET SCALE 1/8" = 1'-0"





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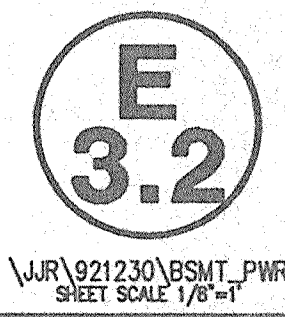


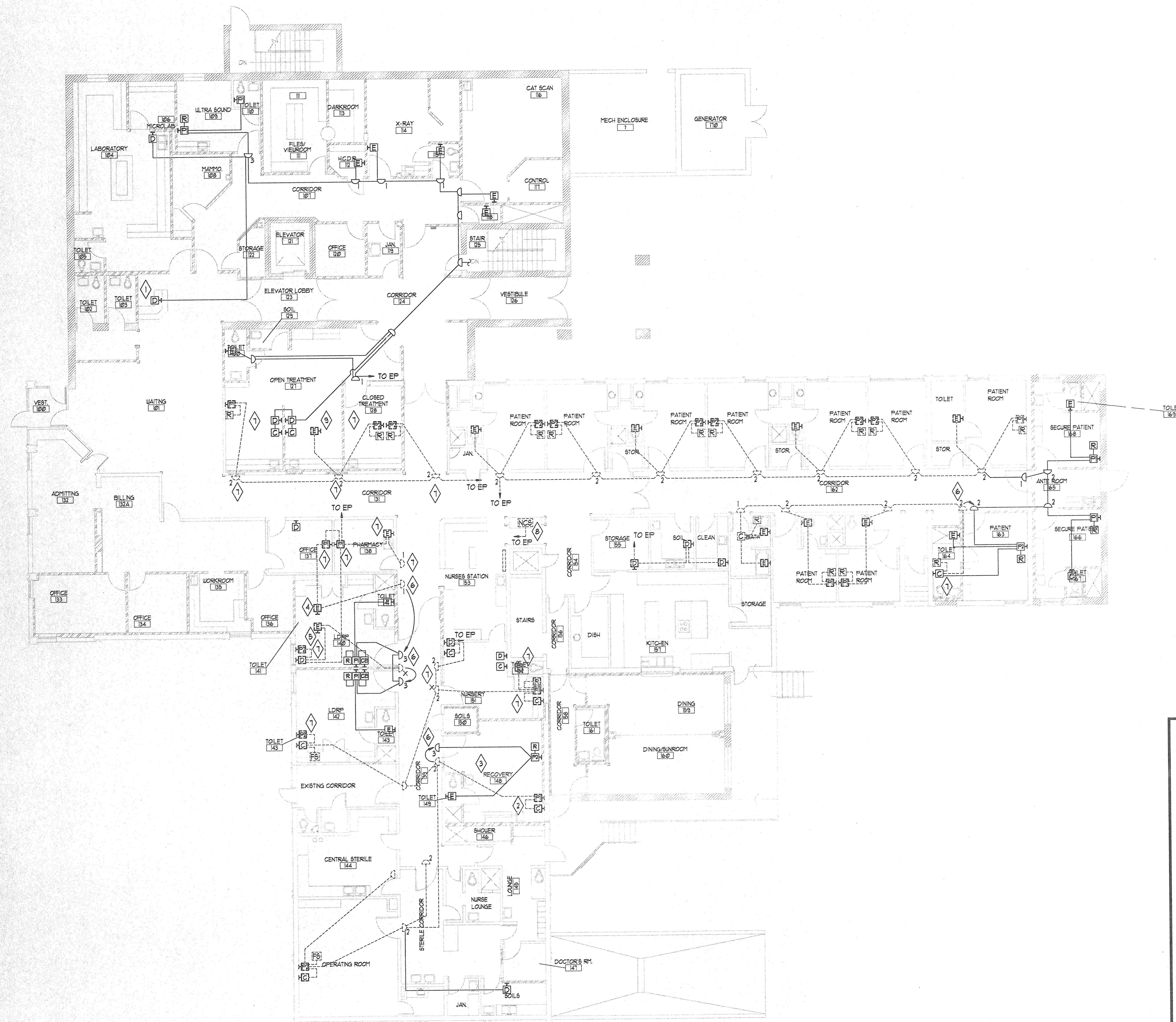
**BASEMENT FLOOR POWER PLAN**  
 SCALE 1/8" = 1'-0"

- KEYED NOTES**
- 1 SYSTEMS FURNITURE INSTALLER SHALL VERIFY LOCATION OF FURNITURE SYSTEM FEED PRIOR TO INSTALLATION OF JUNCTION BOX.
  - 2 LOCATION OF ELEVATOR DISCONNECT SWITCH, LIGHTING CIRCUIT AND CONTROL CIRCUIT SHALL BE VERIFIED PRIOR TO INSTALLATION. EXTEND WIRING TO ELEVATOR CONTROLLER AND MOTOR AS DIRECTED BY ELEVATOR INSTALLER.
  - 3 MOUNT IN ELEVATOR PIT. COORDINATE LOCATION WITH ELEVATOR INSTALLER.
  - 4 CONDUITS BETWEEN EXISTING PANELS AND NEW ELECTRICAL ROOM SHALL BE ROUTED ON CEILINGS AND WALLS OF BASEMENT CORRIDORS. PROVIDE JUNCTION BOXES AS REQUIRED BY NEC AND SPECIFICATIONS.
  - 5 NEW EQUIPMENT SYSTEMS BRANCH 400A TRANSFER SWITCH.
  - 6 NEW LIFE SAFETY AND CRITICAL BRANCH 150A TRANSFER SWITCH.

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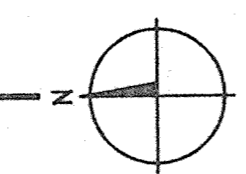
**GENERAL NOTES**

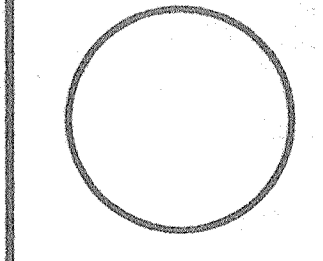
1. WHERE PRACTICAL EXISTING WIRING MAY BE USED WHERE SPLICE IS NOT REQUIRED, DO NOT SPLICE NURSE'S CALL WIRING.
2. UNUSED NURSE'S CALL WIRING SHALL BE REMOVED BACK TO FIRST ACTIVE OUTLET BOX.
3. WHERE APPLICABLE EXISTING NURSE'S CALL DEVICES SHOWN TO BE REMOVED SHALL BE UTILIZED WHERE NEW DEVICES ARE INDICATED. UNUSED NURSE'S CALL DEVICES SHALL BE RETURNED TO THE OWNER.
4. PATCH WALL OVER OUTLET BOX OPENING WHERE NURSE'S CALL DEVICES ARE REMOVED.
5. REMAINING DEVICES DOWNSTREAM FROM DEVICES BEING REMOVED SHALL BE KEPT IN SERVICE.

**KEYED NOTES**

1. MOUNT IN CENTER OF WALL BETWEEN UPPER AND LOWER COUNTERTOPS.
2. REMOVE SINGLE PATIENT AND CODE BLUE STATIONS.
3. SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF NURSE'S CALL DEVICES IN THIS ROOM.
4. RELOCATE EMERGENCY STATION TO TOILET 141.
5. RELOCATE EMERGENCY STATION TO TOILET 143.
6. RELOCATE TO NEW POSITION ABOVE DOOR. PROVIDE NEW COLORED LENSES AS REQUIRED.
7. REMOVE EXISTING NURSE'S CALL DEVICES.
8. RELOCATE NURSE'S CONTROL STATION AS SHOWN. PROVIDE TEMPORARY WIRING FOR NURSE'S CONTROL STATION IN ROOM 1 DURING PHASE II CONSTRUCTION.
9. RELOCATE EMERGENCY STATION TO TOILET 130.
10. RELOCATE DUTY AND CODE BLUE STATION TO NEW LOCATION SHOWN.

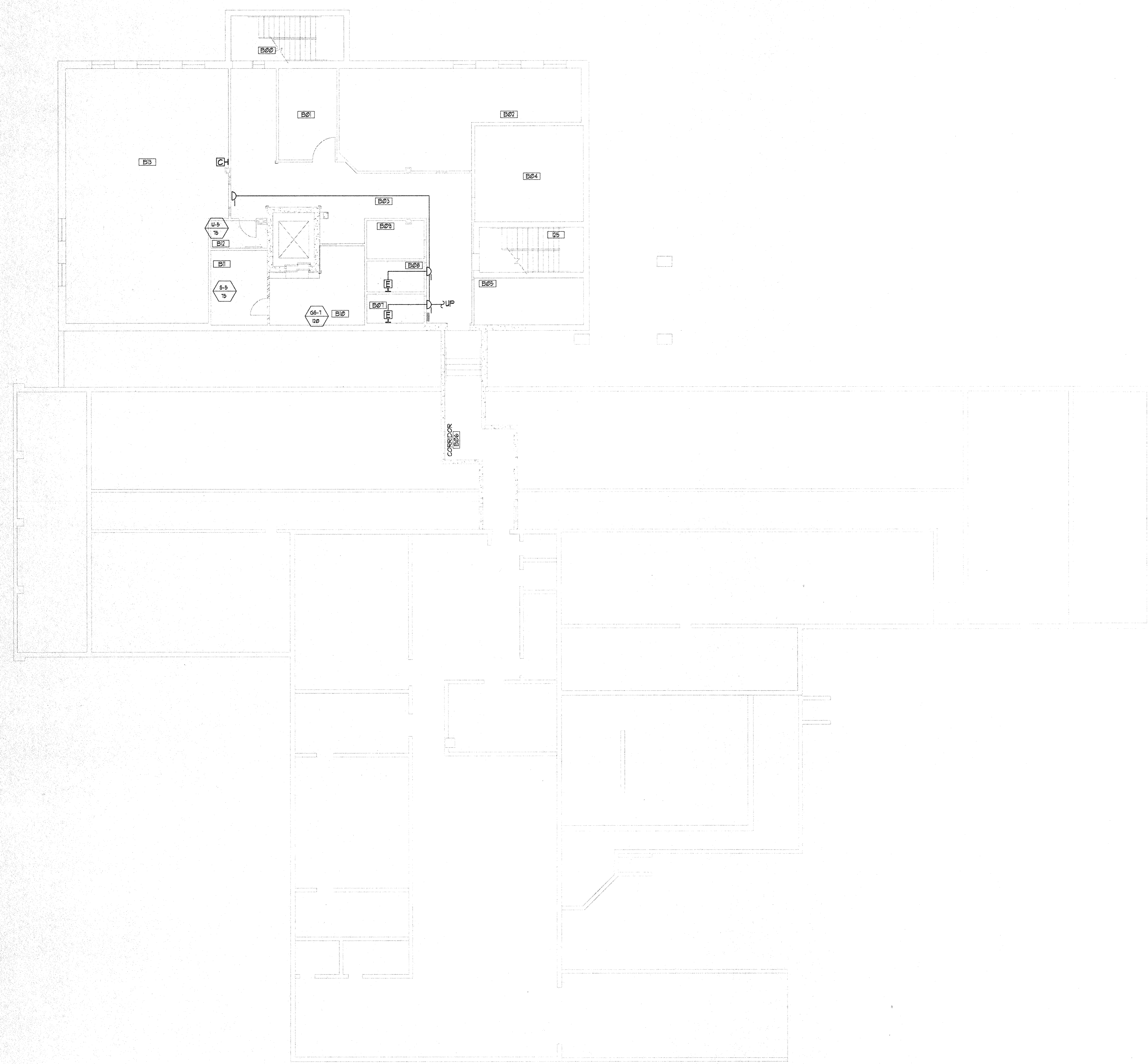
**MAIN FLOOR NURSE'S CALL PLAN**  
 SCALE 1/8" = 1'-0"



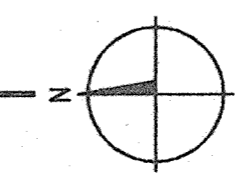


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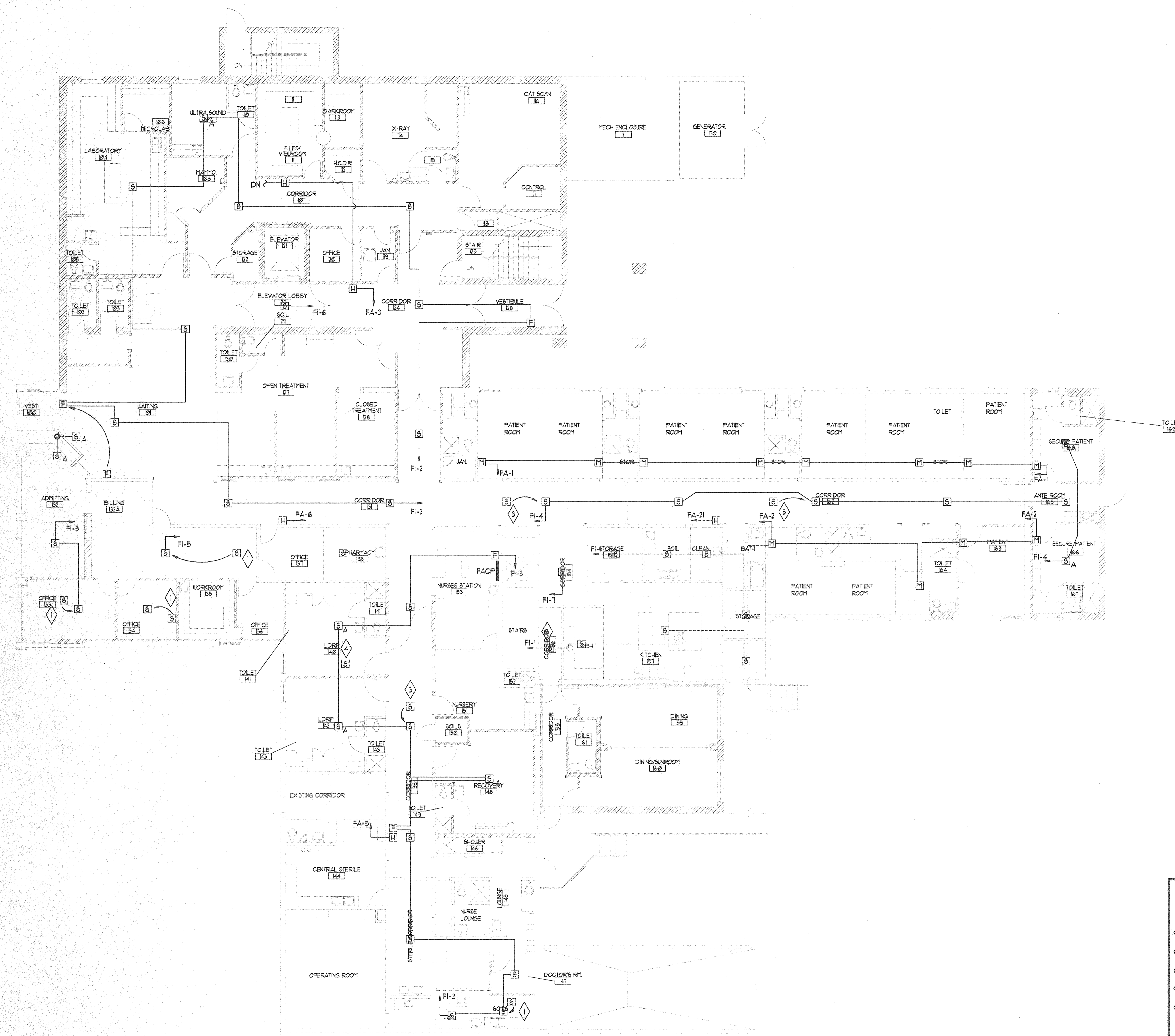
**BASEMENT FLOOR NURSE'S CALL PLAN**  
 SCALE 1/8" = 1'-0"



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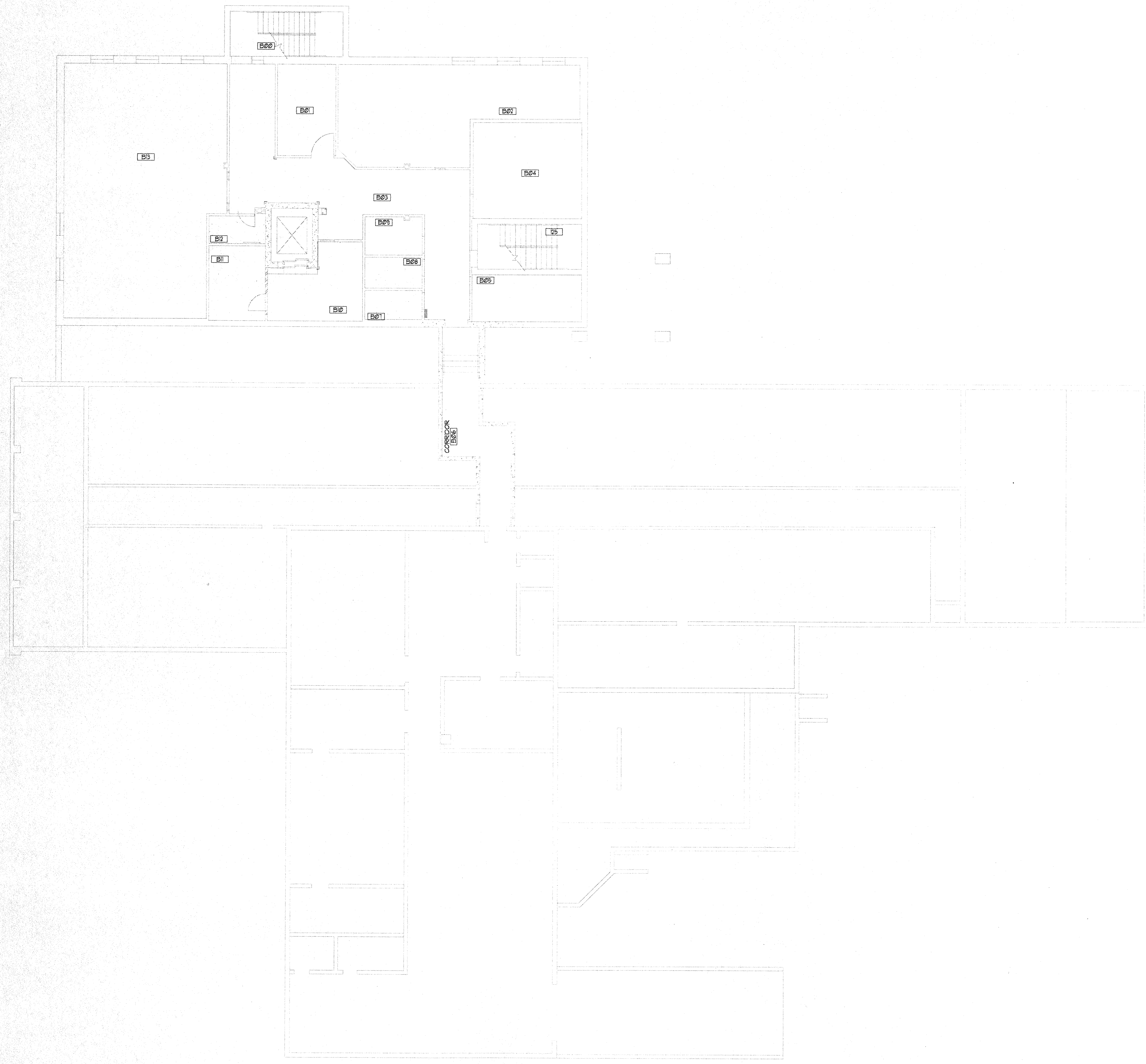
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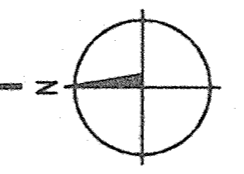
**MAIN FLOOR FIRE ALARM PLAN**  
 SCALE 1/8"=1'-0"

**KEYED NOTES**

- ◆ RELOCATED DETECTOR TO CENTER OF ROOM.
- ◻ RELOCATE MANUAL PULL STATION TO LOCATION ADJACENT TO EXIT DOOR.
- RELOCATE DETECTOR TO POSITION SHOWN.
- ◊ REMOVE EXISTING SMOKE DETECTOR.
- ⊞ PROVIDE NEW WIRING BACK TO PANEL TO FORM CLASS A LOOP.



**BASEMENT FLOOR FIRE ALARM PLAN**  
 SCALE 1/8" = 1'-0"



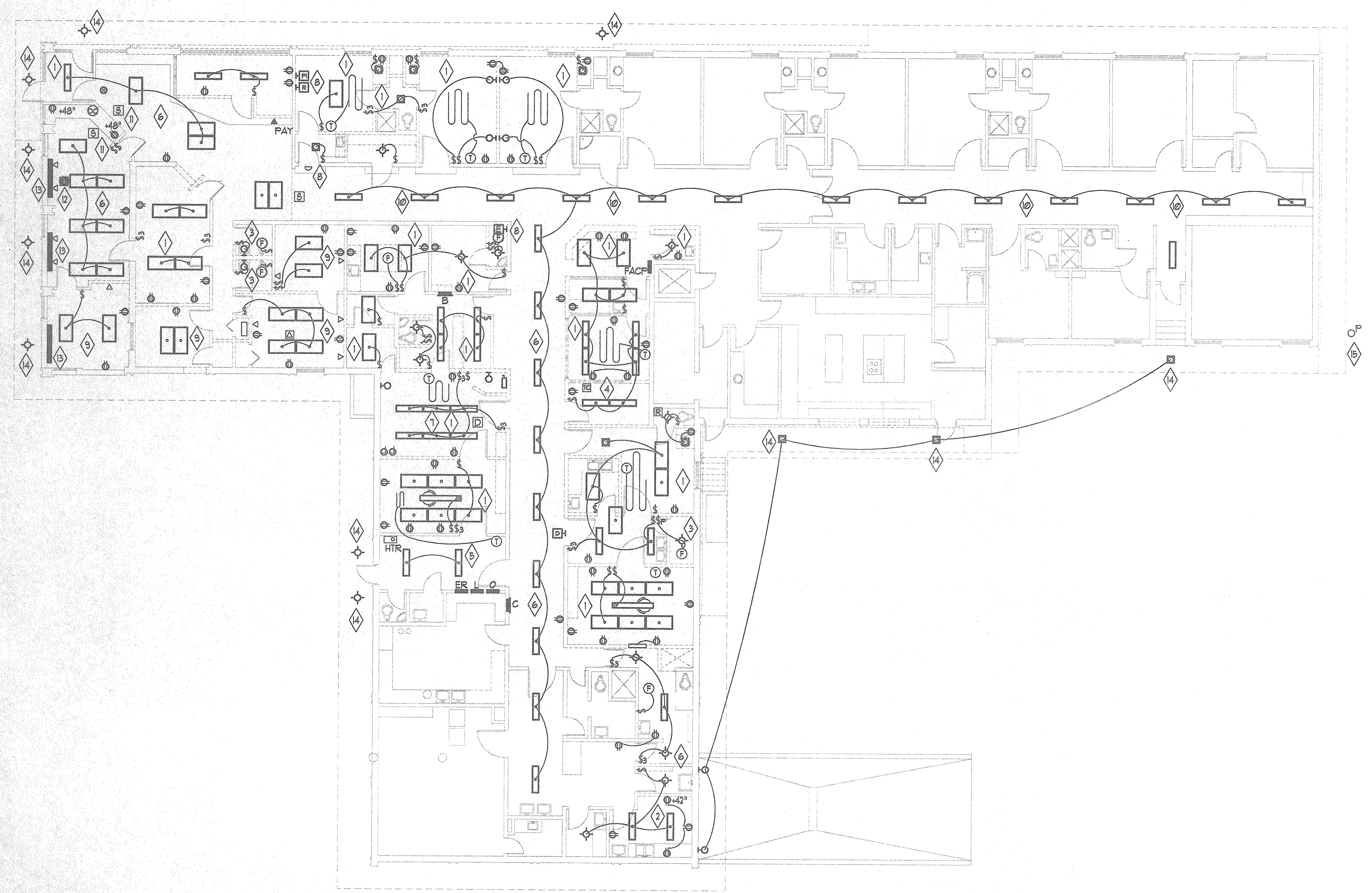
**KEYED NOTES**

- 1 PROVIDE DUAL LEVEL SWITCHING PER DETAIL 1 SHEET 1.
- 2 CONNECT CENTER LAMP TO UNSWITCHED EMERGENCY CIRCUIT.
- 3 SWITCH LAMPS IN 2'x2' FIXTURES WITH OUTBOARD LAMPS OF 2'x4' FIXTURES.
- 4 ROUTE THROUGH CORRIDOR LIGHTING CONTACTOR. CENTER LAMPS SHALL BE ENERGIZED AT ALL TIMES. OUTBOARD LAMPS SHALL BE CONTROLLED BY SWITCH AT NURSES STATION.
- 5 CONNECT CENTER LAMPS OF CORRIDOR FIXTURES TO UNSWITCHED EMERGENCY CIRCUIT.
- 6 SUSPEND FIXTURE BELOW DUCT WORK. EXACT LOCATION TO BE FIELD DETERMINED.

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- GENERAL NOTES**
- WHERE LIGHTING IS INDICATED FOR REMOVAL THE OUTLET SHALL BE RELOCATED FOR USE WITH NEW LIGHTING IF PRACTICAL. WHERE OUTLET CANNOT BE RELOCATED REMOVE OUTLET AND WIRING BACK TO FIRST ACCESSIBLE JUNCTION BOX.
  - WHERE RECEPTACLE IS INDICATED FOR REMOVAL THE OUTLET SHALL BE RELOCATED TO LOCATION SHOWN ON POWER PLANS FOR NEW RECEPTACLE IF PRACTICAL. WHERE OUTLET CANNOT BE RELOCATED REMOVE OUTLET AND WIRING BACK TO FIRST ACCESSIBLE JUNCTION BOX.
  - REMAINING OUTLETS DOWNSTREAM FROM OUTLETS INDICATED FOR REMOVAL SHALL BE KEPT IN SERVICE BY EXTENDING CIRCUIT AROUND REMOVED OUTLET.
  - WHERE FIRE ALARM DEVICE IS INDICATED FOR REMOVAL THE OUTLET SHALL BE RELOCATED TO LOCATION SHOWN ON FIRE ALARM PLANS FOR NEW DEVICE IF PRACTICAL. WHERE OUTLET CANNOT BE RELOCATED REMOVE THE OUTLET AND PROVIDE NEW WIRING BETWEEN UPSTREAM AND DOWNSTREAM DEVICES.
  - WHERE NURSES CALL DEVICE IS INDICATED FOR REMOVAL THE OUTLET SHALL BE RELOCATED TO LOCATION SHOWN ON AUXILIARY SYSTEMS PLANS FOR NEW DEVICE IF PRACTICAL. WHERE OUTLET CANNOT BE RELOCATED REMOVE THE OUTLET AND PROVIDE NEW WIRING WHERE REQUIRED TO MAINTAIN SERVICE AT DOWNSTREAM DEVICES.
  - REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION PERTAINING TO DEMOLITION.
  - DUE TO THE CONCEALED NATURE OF EXISTING WIRING ACTUAL INSTALLATIONS COULD NOT BE VERIFIED. THE CONTRACTOR WILL BE RESPONSIBLE FOR DEMOLISHING ELECTRICAL SYSTEMS TO THE EXTENT INDICATED EVEN WHERE EXISTING INSTALLATIONS DIFFER FROM THOSE INDICATED ON THIS DRAWING.
  - DATA OUTLET WIRING SHALL BE REMOVED BACK TO CONTROLLER.
  - SEE NURSES CALL PLAN FOR DEMOLITION OF EXISTING NURSES CALL DEVICES AND WIRING.
- KEYED NOTES**
- REMOVE LIGHTING, SWITCHES AND RECEPTABLES. SEE GENERAL NOTES.
  - REMOVE RECEPTACLE ON WALL BEING DEMOLISHED. SEE GENERAL NOTES.
  - REMOVE LIGHTING, SWITCHES, RECEPTABLES AND EXHAUST FAN. SEE GENERAL NOTES.
  - REMOVE TIMECLOCK AND WIRING BACK TO PANEL AND EXTERIOR LIGHTING.
  - REMOVE ISOLATION CIRCUITS EXTENDING FROM PANELS ER 4 L. CIRCUITS ORIGINATING IN PANEL O SHALL REMAIN.
  - REMOVE LIGHTING, SWITCHES AND RECEPTABLES LOCATED ON WALLS INDICATED TO BE DEMOLISHED. SEE GENERAL NOTES.
  - REMOVE DISCONNECT SWITCH, JUNCTION BOXES, RACEWAYS AND ALL WIRING ASSOCIATED WITH X-RAY EQUIPMENT IN THIS ROOM.
  - THIS NOTE IS NOT USED.
  - REMOVE LIGHTING, SWITCHES, RECEPTABLES, DATA OUTLETS AND TELEPHONE OUTLETS.
  - REMOVE LIGHTING FIXTURES. RELOCATE EXISTING FIRE ALARM DEVICES TO NEW CEILING.
  - REMOVE FOR CEILING REPLACEMENT. AFTER CEILING IS COMPLETE REMOUNT DEVICE.
  - FLOOR OUTLET TO BE REUSED FOR MODULAR FURNITURE CONNECTION. RELOCATE AS REQUIRED FOR CONNECTION TO MODULAR FURNITURE.
  - REMOVE BASEBOARD HEATER AND WIRING BACK TO PANEL.
  - REMOVE SOFFIT LIGHTING FIXTURE.
  - REMOVE POLE, LIGHT FIXTURE AND WIRING BACK TO FIRST ACCESSIBLE JUNCTION BOX.

**MAIN FLOOR DEMOLITION PLAN**  
 SCALE 1/8"=1'-0"