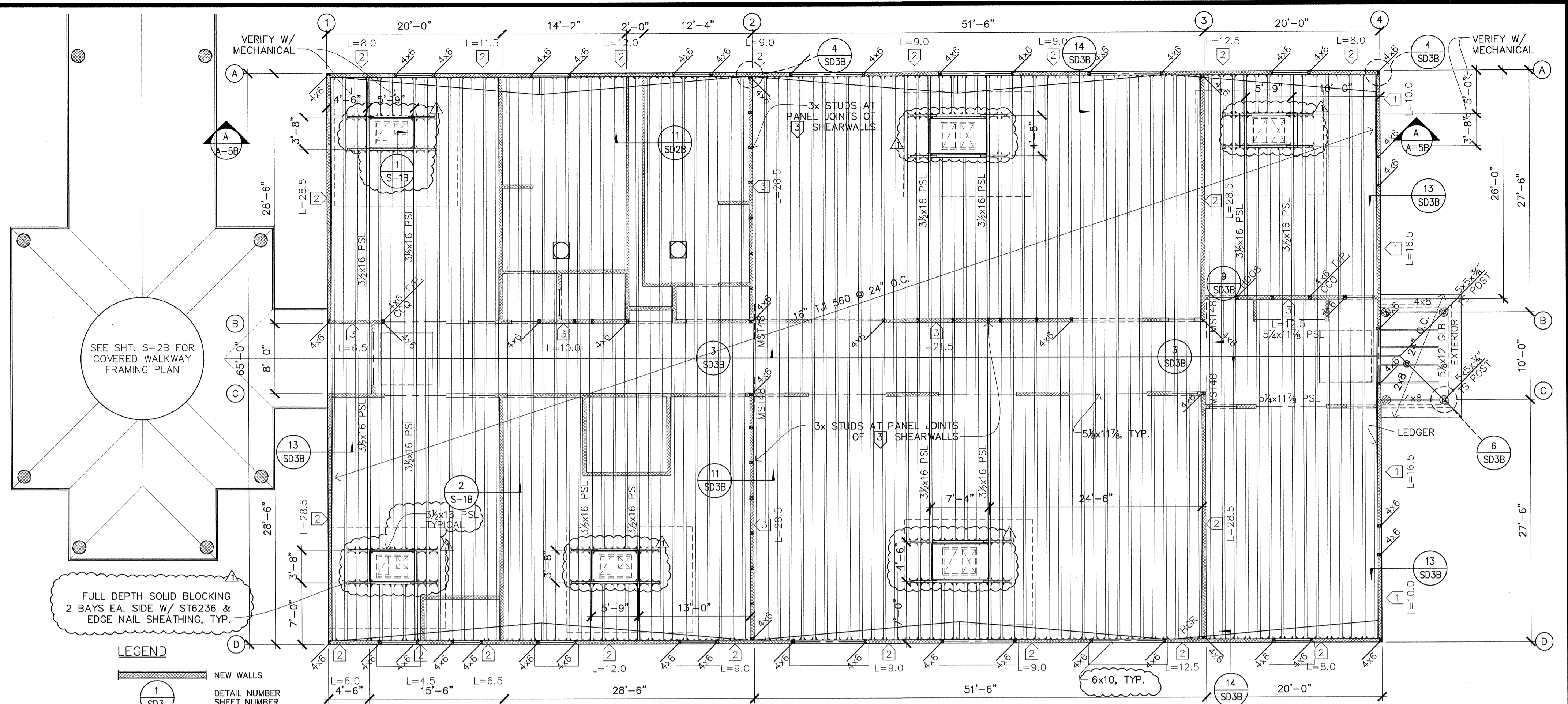


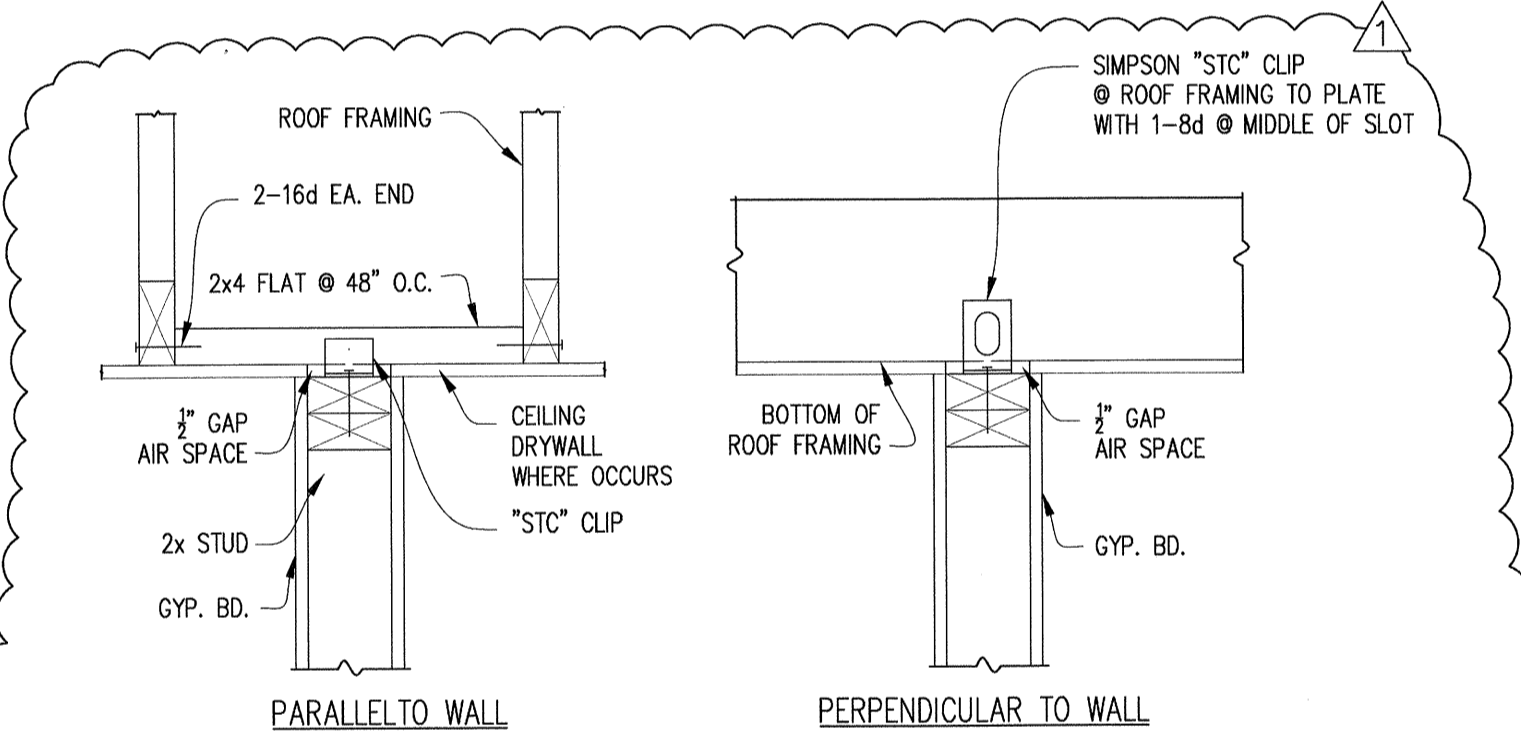
1 HVAC CURB AT ROOF DETAIL SCALE: 3/4" = 1'-0"

ROOF FRAMING NOTES:

1. Please refer to notes and details on sheets SD-1B to SD-3B.
2. Use 16" TJI 560 or equal roof rafters at 24" o.c. U.O.N.
3. Use 5/8" CDX (32/16) sheathing with 10d @ 4" edge & 8" field.
4. Solid block at 8" o.c. max. at top chord of joists.
5. Provide MST48 at top chord splices unless noted otherwise.
6. Top plates and sole plates to be 3x6 min. Where nailing exceeds 4" o.c. panel joints must have 3x6 studs.
7. Exterior (parapet) walls are to be balloon framed 2x6 studs at 16" o.c. unless noted otherwise.
8. Provide double roof joists with curb as required at all skylights or mechanical units.
9. Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.
10. If discrepancies found in plans, notify engineer of record immediately.



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



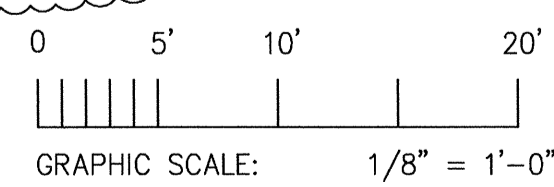
2 INTERIOR NON-BEARING WALL/ CEILING DETAILS SCALE: 3/4" = 1'-0"

FOUNDATION NOTES:

1. Please refer to notes and details on sheets SD-1B to SD-3B.
2. All footings to be 12" wide with 3-#5 rebar top & 3-#5 rebar at bottom.
3. Design drawings S-1 take precedent over SD-1 to SD-3.
4. Concrete shall not have less than six sacks of cement per cubic yard of concrete & a slump not to exceed 4" when placed.
5. Soils report No. H-140-01 by Henry Justiniano & Associates, dated August 10, 2009.
6. Soils engineer to be on site during excavations and grading.
7. Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.
8. Use the following holdown anchors:
SSTB24 - for HDU5
SSTB28 - for HDQ8
9. If discrepancies found in plans, notify engineer of record immediately.
10. Where top or sole plate are cut for pipes, a metal tie minimum 0.05 inches thick and 1 1/2 inches wide shall be fastened across the opening with 6 - 16d nails minimum each side. CBC Section 2320.11.7.
11. Prior to requesting a Building Department foundation inspection, the soils engineer shall inspect and approve the foundation excavations.
12. Prior to calling for foundation inspection, final grading and compaction reports shall be submitted to and approved by the Building Department and any revisions from the original soils report incorporated into the plans and specifications.
13. Hold down hardware must be secured in place prior to foundation inspection.

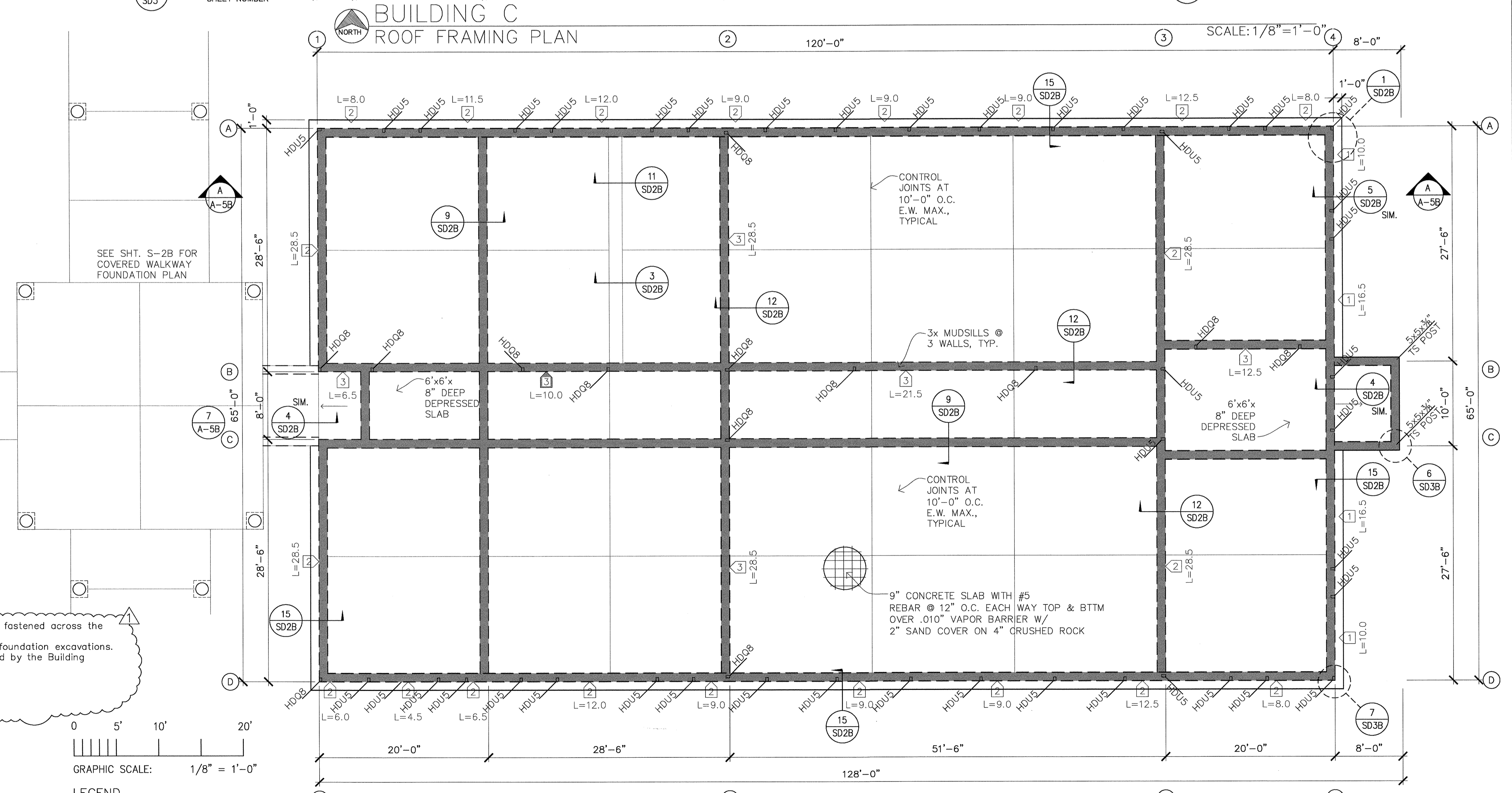
MINIMUM DESIGN LOADS

- A) Wind Load = 85mph, exposure C
- B) Seismic Design Category per 2007 CBC Site Class D
Fa=1.0, Fv=1.5, Sds=1.2, Sdi=0.67
- C) Climate Zone=12
- D) Soil Bearing Pressure = 1500 psf



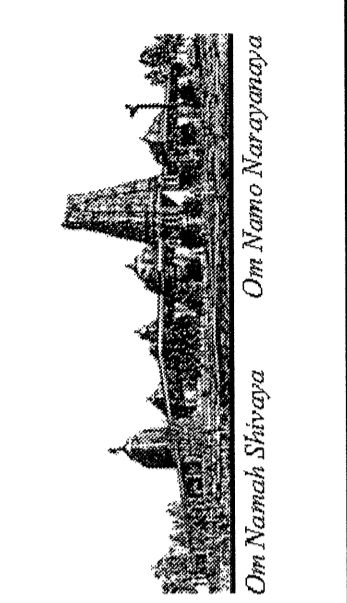
LEGEND

- EDGE OF SLAB
- THICKENED FOOTING
- HOLD DOWN



BUILDING C FOUNDATION PLAN SCALE: 1/8" = 1'-0"

REVISIONS	BY
05-24-10	HCCC
07-30-10	HCCC

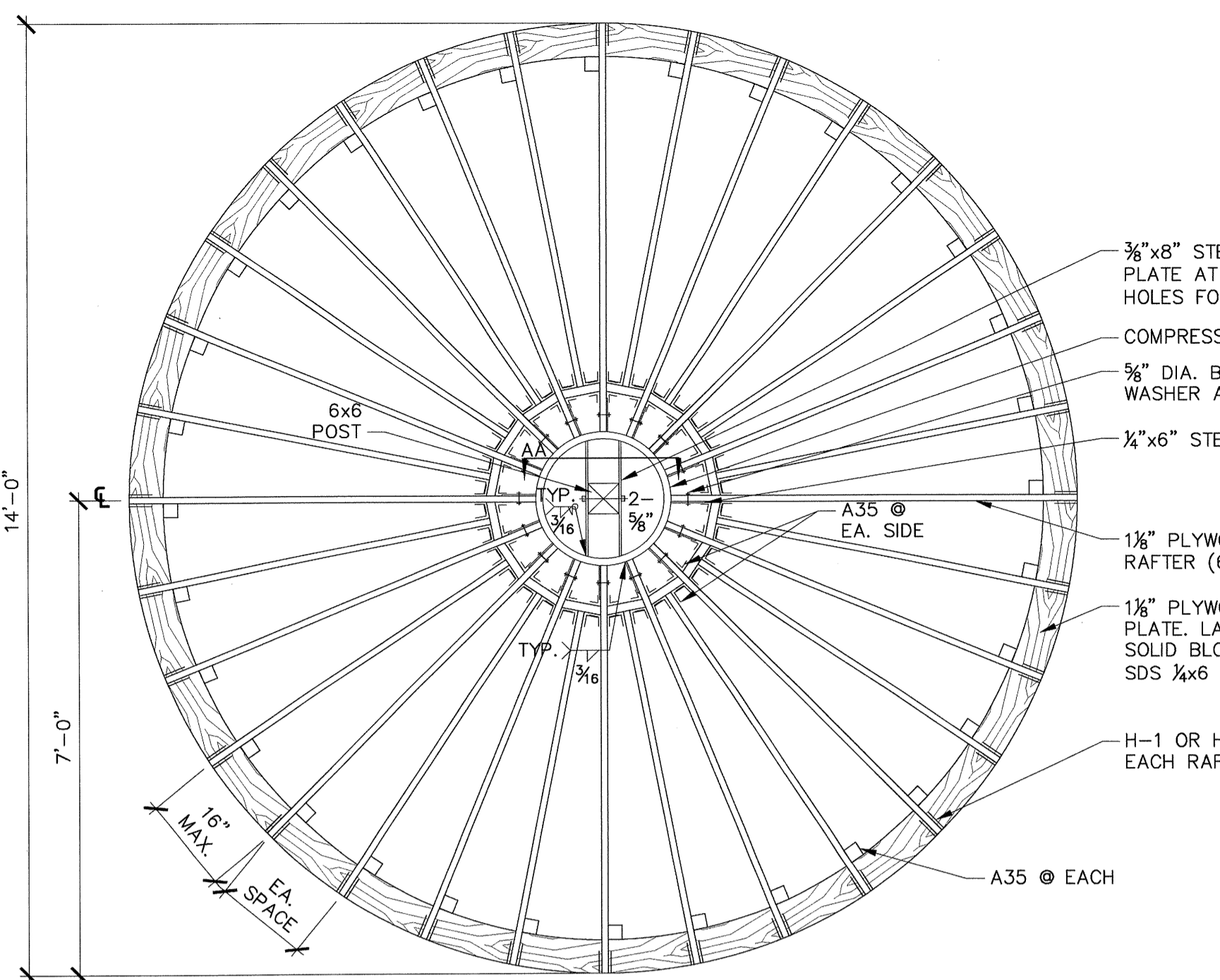


HINDU COMMUNITY and CULTURAL CENTER
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

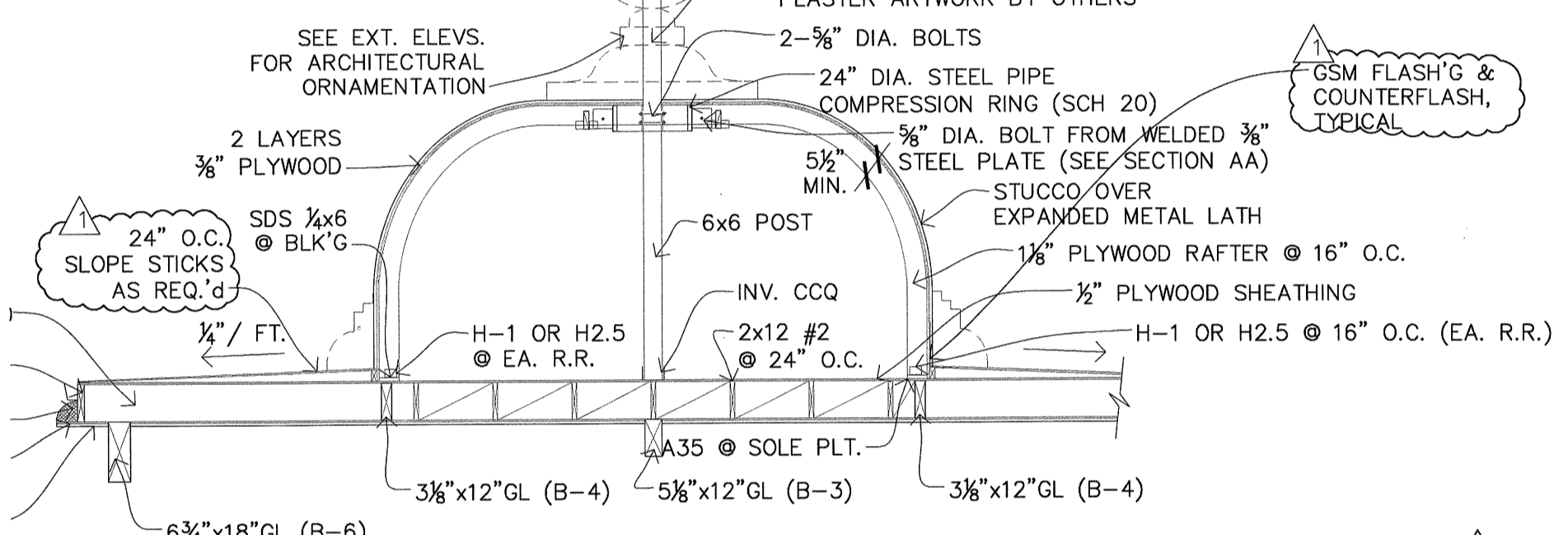
FOUNDATION & ROOF FRAMING PLAN

DATE: 03/12/10
SCALE: 1/8" = 1'-0"
DRAWN BY: BRG
PROJECT: ARROWHEAD

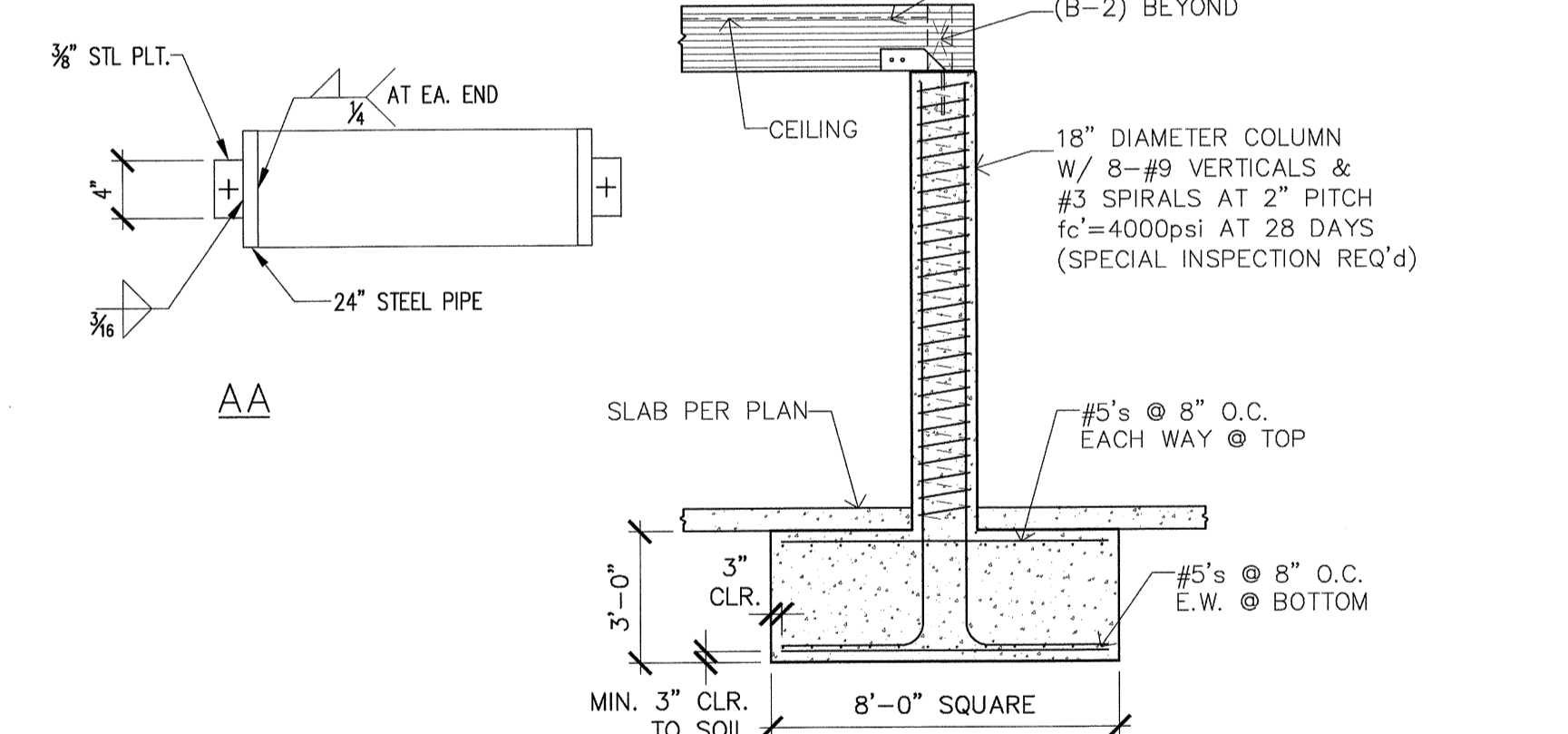
S-1B



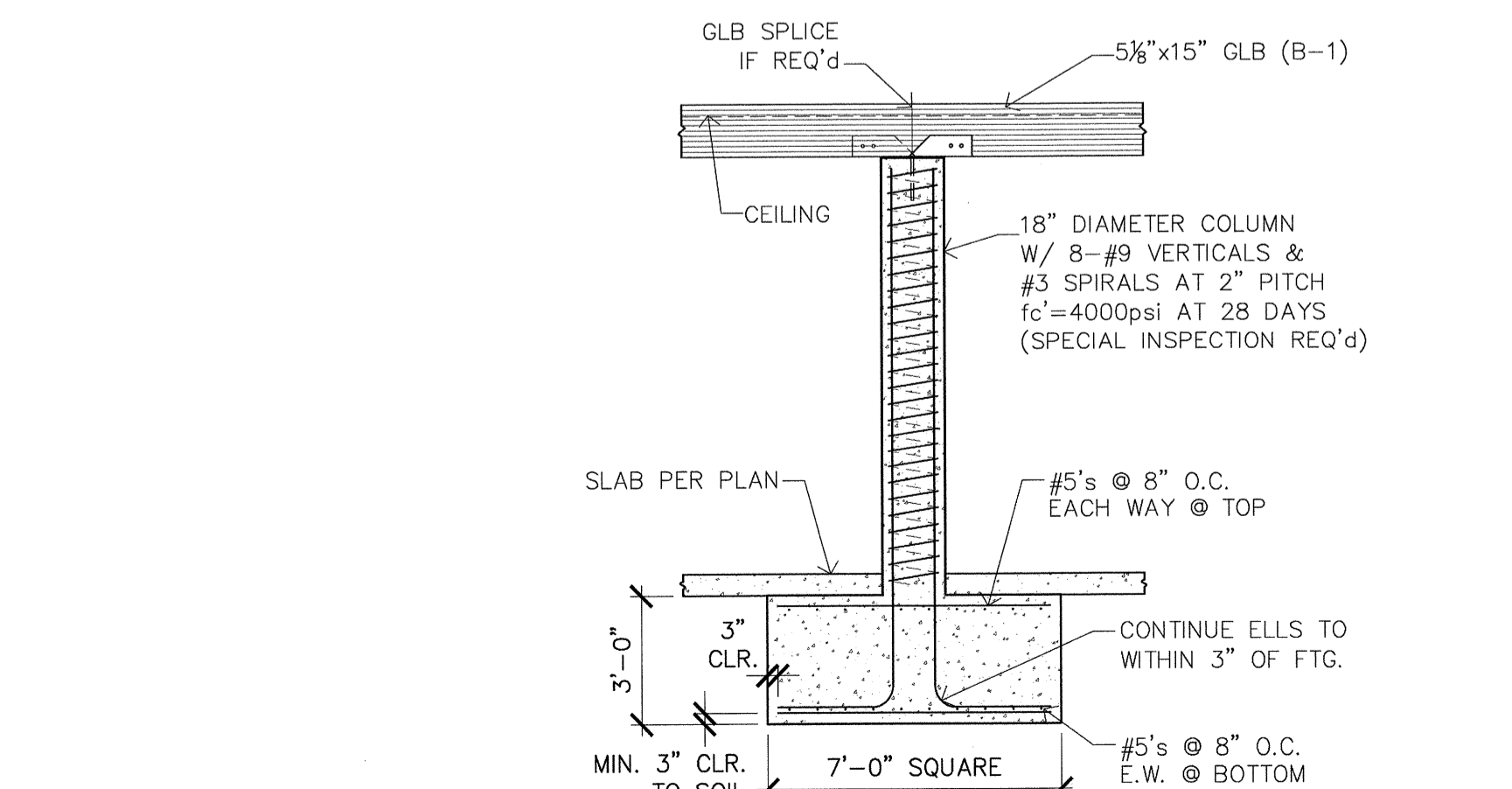
DOME FRAMING DETAIL



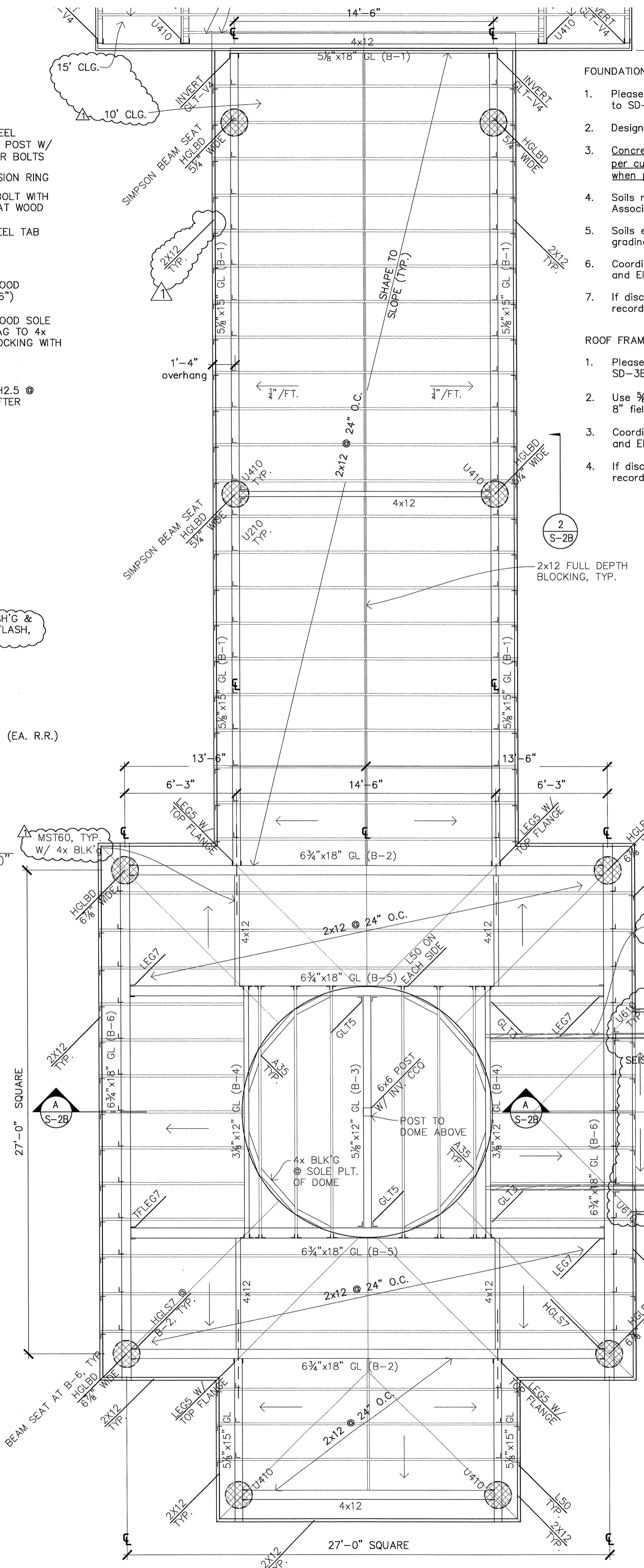
SECTION AT DOME DETAIL



COLUMN AT DOME DETAIL



COL. AT WALKWAY DETAIL



COVERED WALKWAY ROOF FRAMING PLAN

FOUNDATION NOTES:

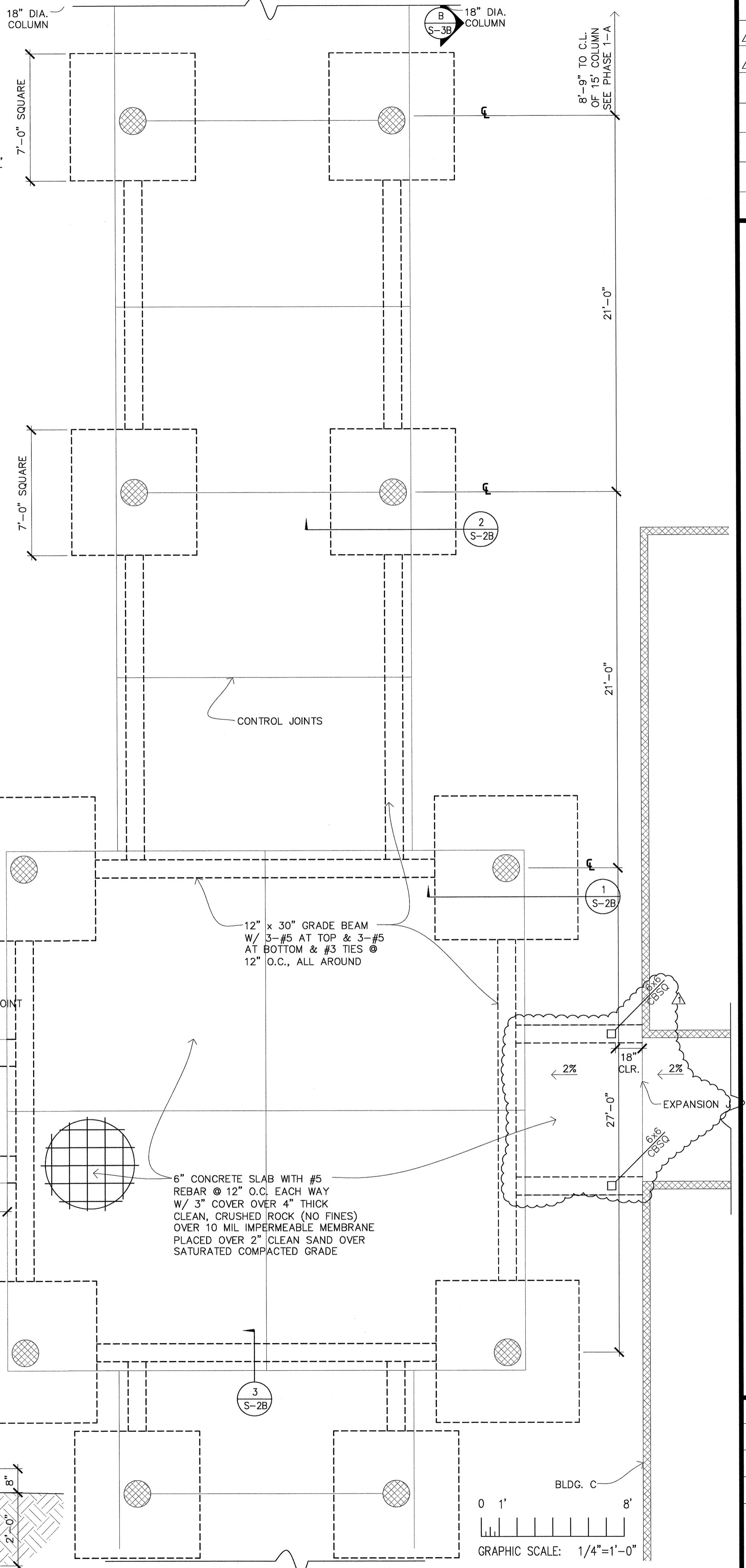
- Please refer to notes and details on sheets SD-1B to SD-3B.
- Design drawings take precedent over SD-1B to SD-3B.
- Concrete shall not have less than six sacks of cement per cubic yard of concrete & a slump not to exceed 4" when placed.
- Soils report No. H-140-01 by Henry Justiniano & Associates, dated August 10, 2009.
- Soils engineer to be on site during excavations and grading.
- Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.
- If discrepancies found in plans, notify engineer of record immediately.

ROOF FRAMING NOTES:

- Please refer to notes and details on sheets SD-1B to SD-3B.
- Use 5/8" CDX (32/16) sheathing with 10 @ 4" edge & 8" field.
- Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.
- If discrepancies found in plans, notify engineer of record immediately.

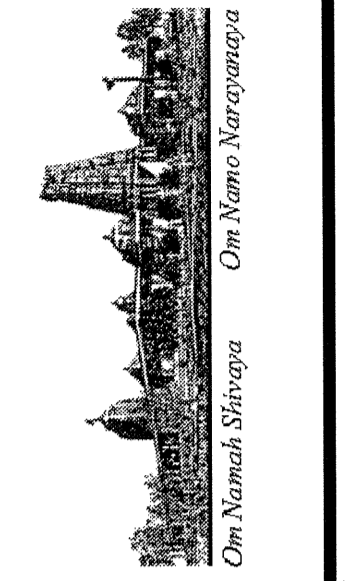
CONC. DETAIL

COVERED WALKWAY FOUNDATION PLAN



COVERED WALKWAY FOUNDATION PLAN

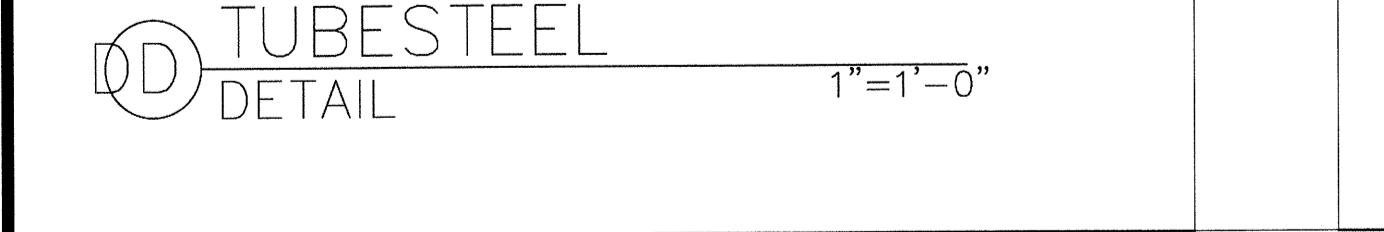
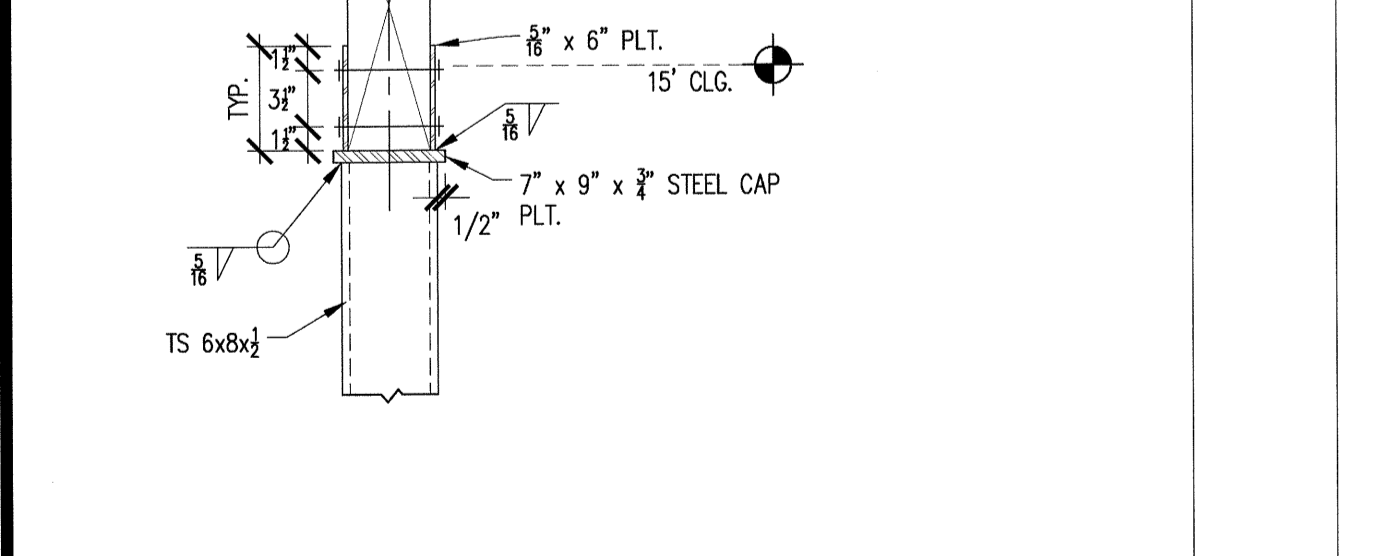
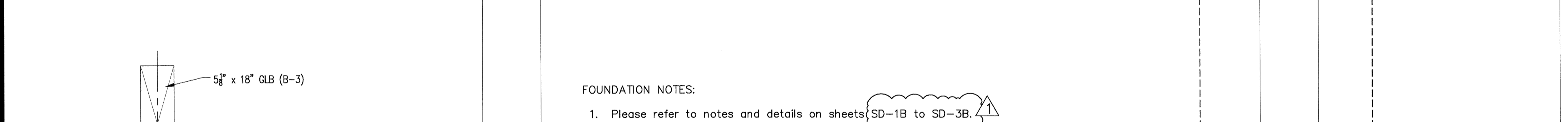
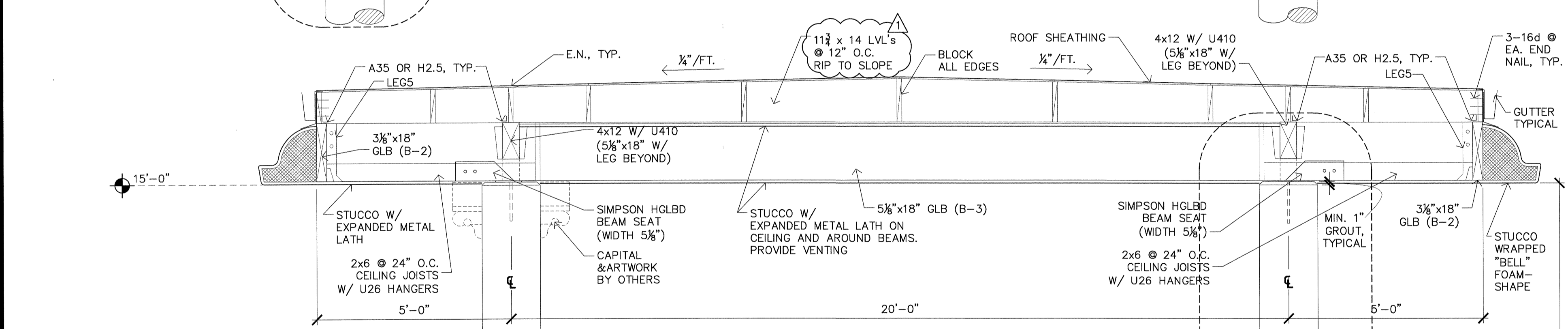
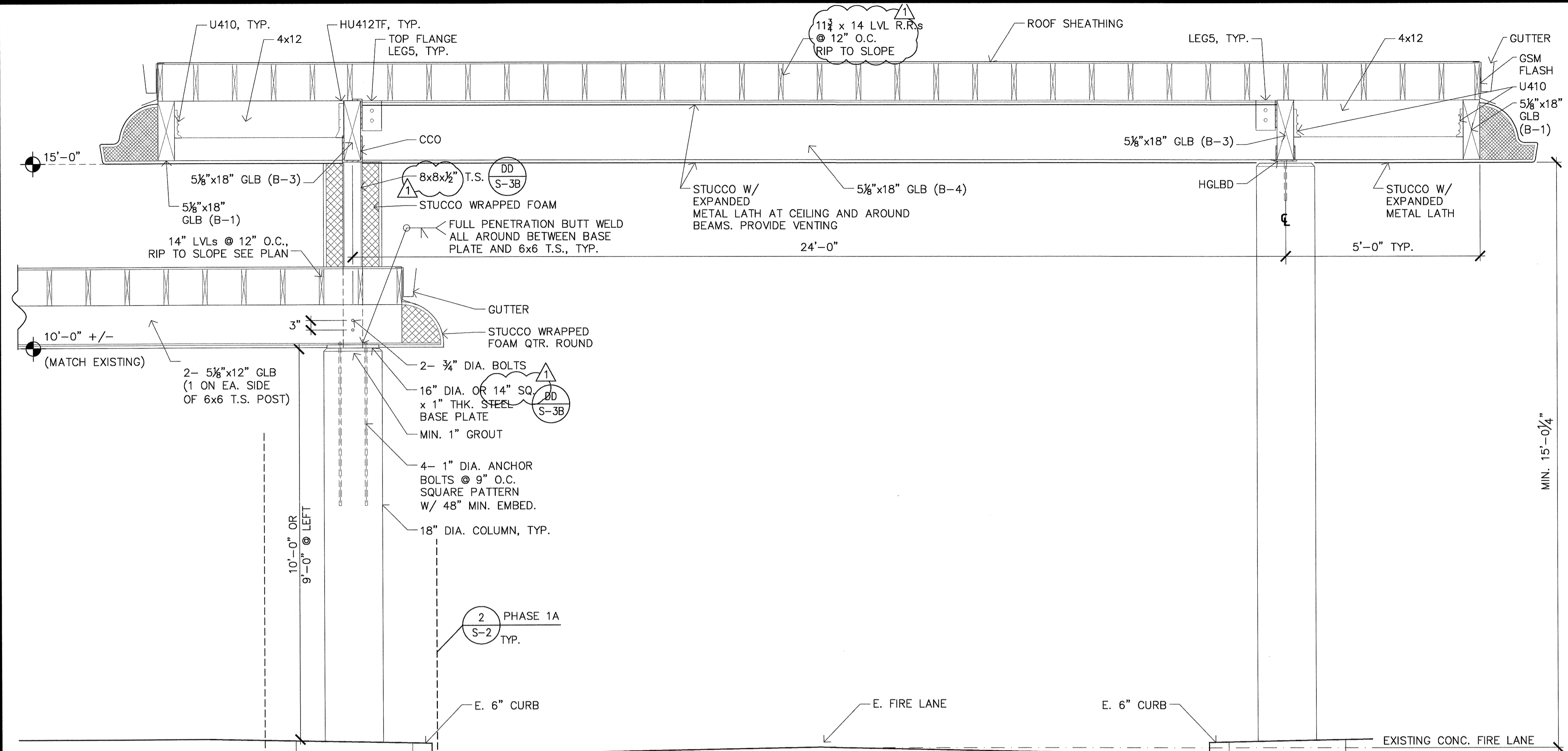
REVISIONS	BY
05-24-10	HCCC
07-30-10	PC Response
	HCCC



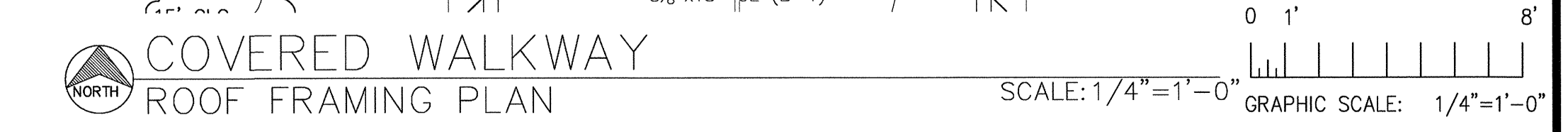
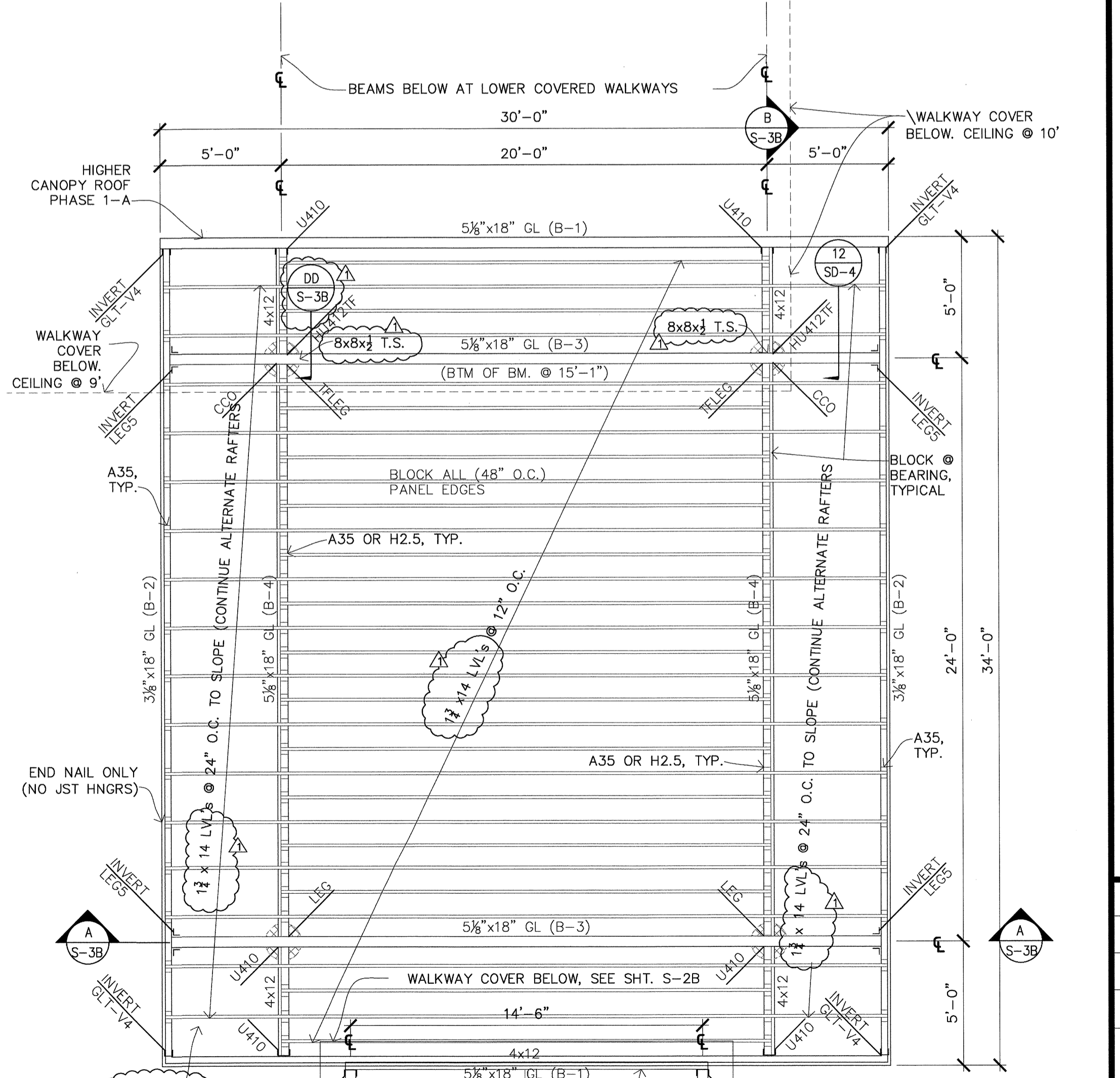
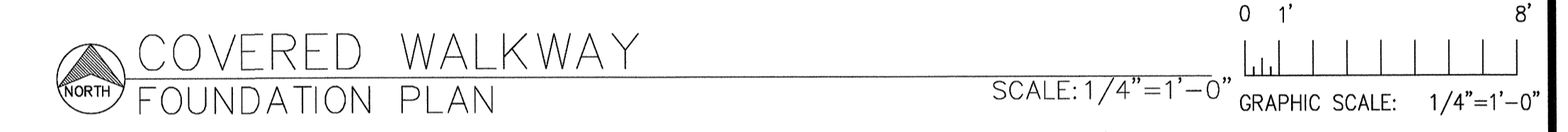
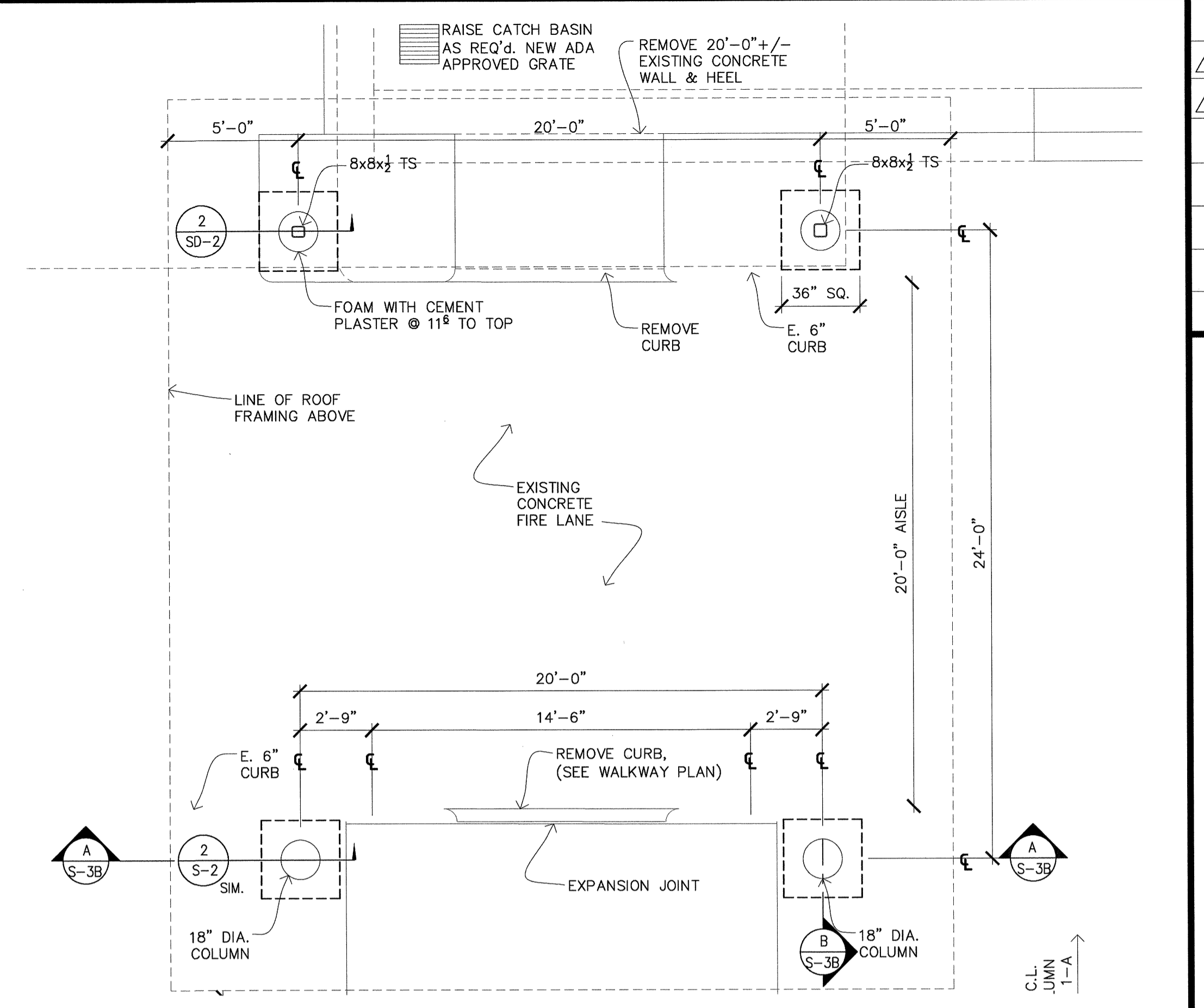
HINDU COMMUNITY and CULTURAL CENTER
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

DATE	03/12/10
SCALE:	1/8"=1'-0"
DRAWN BY:	BRG
PROJECT:	ARROWHEAD

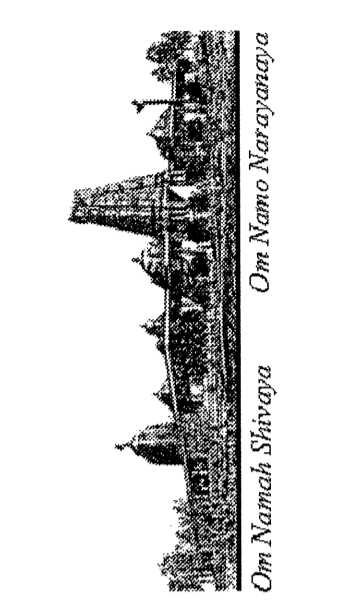
S-2B



- FOUNDATION NOTES:**
- Please refer to notes and details on sheets SD-1B to SD-3B.
 - All piers at covered walkway are 18" diameter x 25'-0" deep with 8 - #9 vertical rebars full depth with #3 hoops at 12" o.c., extend four (4) to conc. cap at top, bend two each way alternate directions.
 - Design drawings S-1 to S-4 take precedent over SD-1B to SD-3B.
 - Concrete shall not have less than six sacks of cement per cubic yard of concrete & a slump not to exceed 4" when placed.
 - Soils report No. H-140-01 by Henry Justiniano & Associates, dated August 10, 2009.
 - Soils engineer to be on site during pier drilling and is to inspect and approve all pier holes and submit letter to building inspector.
 - Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.



REVISIONS	BY
05-24-10	HCCC
07-30-10	HCCC
PC Response	HCCC



HINDU COMMUNITY and CULTURAL CENTER
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

PHASE 1-B
COVERED WALKWAY
PLANS & SECTIONS

DATE	03/12/10
SCALE:	1/8"=1'-0"
DRAWN BY:	BRG
PROJECT:	ARROWHEAD

S-3B

A. GENERAL

- A1. ALL WORK SHALL CONFORM TO THE PROJECT CONSTRUCTION DOCUMENTS AND THE 2007 EDITION OF THE CALIFORNIA BUILDING CODE (CBC), AND THE APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS, LAWS AND CITY ORDINANCES.

B. FOUNDATIONS

- B1. THE RECOMMENDATIONS OF THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT THAT HAS BEEN PREPARED FOR THIS SITE, SHALL BE CONSIDERED AS A PART OF THE CONSTRUCTION DOCUMENTS:
REPORT BY: HENRY JUSTINIANO & ASSOCIATES
REPORT NO: H-140-01
DATE: AUGUST 10, 2009

Exterior and bearing walls to have 5/8" dia. galv. Anchor bolts at 48" on center with 3"x3"x1/4" washers (u.n.o.)

- B2. THE BOTTOM OF THE FOUNDATION SHALL BE AT UNDISTURBED NATIVE SOIL OR ENGINEERED FILL.
B3. THE SOILS ENGINEER SHALL INSPECT SLAB AND FOUNDATION SUBGRADE PRIOR TO PLACING CONCRETE.
B4. RETAINING WALLS - DO NOT BACKFILL AGAINST CONCRETE OR MASONRY RETAINING WALLS UNTIL THEY HAVE REACHED DESIGN STRENGTH.
IF BACKFILLING IS NECESSARY BEFORE THE RETAINING WALL REACHES DESIGN STRENGTH OR THE ADJACENT STRUCTURE IS COMPLETE, PROVIDE BRACING AS REQUIRED, TO SUPPORT RETAINING WALL UNTIL THE ADJACENT STRUCTURE IS COMPLETE AND/OR THE RETAINING WALL HAS REACHED DESIGN STRENGTH.

C. CONCRETE

- C1. CONCRETE SHALL CONFORM TO THE CURRENT EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
Standards and Reference by the current IBC Code
CONCRETE SHALL BE READY-MIXED TYPE CONFORMING TO SIX (6) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. AT TWENTY-EIGHT (28) DAYS, CONCRETE SHALL DEVELOP COMPRESSIVE STRENGTH (F'c) OF 2,500 PSI. THE SLUMP SHALL NOT EXCEED 4 INCHES WHEN PLACED. THE MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED 3/4 INCH FOR SLAB-ON-GRADE, WALLS AND COLUMNS; AND 1 1/2 INCHES FOR FOOTINGS, PIERS AND GRADE BEAMS.
C2. CONCRETE SHALL BE REGULAR WEIGHT, WITH HARD-ROCK TYPE AGGREGATE (150 LB/CF), AGGREGATE SHALL CONFORM TO AMERICAN SOCIETY FOR MATERIALS AND TESTING (ASTM) C33. CEMENT SHALL CONFORM TO ASTM C150, TYPE 2.
C3. CONCRETE SHALL BE MACHINE MIXED AND DELIVERED TO THE SITE IN ACCORDANCE WITH ASTM C-94.
C4. CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
C5. PROVIDE MINIMUM CLEAR COVER OF CONCRETE OVER REINFORCEMENT AS INDICATED BELOW:
AGAINST EARTH FORM: 3 INCHES
EXPOSED TO EARTH BUT POURED AGAINST FORM WORK & BOTTOM OF SLAB-ON-GRADE: 2 INCHES
ALL OTHER CONCRETE: 1 1/2 INCHES

- C6. EXCEPT 6-INCH OR LESS THICK SLAB-ON-GRADE, ALL CONCRETE SHALL BE MECHANICALLY VIBRATED TO ELIMINATE VOIDS AND COMPLETELY FILL THE FORMS WITHOUT CAUSING UNDESIRABLE SEPARATION.
C7. DOWELS SHALL MATCH MAIN REINFORCEMENT IN SIZE AND SPACING. PROVIDE MINIMUM 4# BAR DIAMETER LAP, UNLESS OTHERWISE NOTED.
C8. SLAB-ON-GRADE - AT LIVING AREAS, PLACE SLAB ON 2 INCHES OF COMPACTED CLEAN SAND OVER 1 MIL. VAPOR BARRIER OVER 1/4 INCHES OF CLEAN, FREE-DRAINING CRUSHED ROCK. JUST PRIOR TO CONCRETE PLACEMENT, DAMPEN SAND WITH WATER.
C9. CURING - WITHIN SEVEN DAYS OF PLACEMENT, CONCRETE SURFACES EXPOSED TO THE ATMOSPHERE SHALL BE PROTECTED AND CURED BY DAMPENING WITH WATER AS NECESSARY, UNTIL THE SPECIFIED DESIGN STRENGTH IS ACHIEVED.
C10. INTERIOR SLABS SHALL HAVE STEEL TROWEL FINISH; EXTERIOR SLABS SHALL HAVE LIGHT BROOM FINISH.
C11. SPECIAL INSPECTION PER CBC SECTION 107 IS NOT REQUIRED.

D. CONCRETE REINFORCEMENT AND ACCESSORIES

- D1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 40 FOR NO. 5 AND SMALLER DIAMETER BARS AND GRADE 60 FOR LARGER THAN NO. 5 BARS. BAR DEFORMATION SHALL BE IN ACCORDANCE WITH ASTM-305.
WELDED WIRE FABRIC (W/WF) SHALL CONFORM TO ASTM A185. PROVIDE A MINIMUM 6 INCHES LAP AT JOINTS.
DO NOT WELD REINFORCEMENT.
D2. REINFORCING BARS SHALL BE LAPPED AS INDICATED. PROVIDE MINIMUM LAP EQUAL TO 4# TIMES THE DIAMETER OF REINFORCING BARS AT SPLICES, AND STAGGER SPLICES.
D3. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS NOTED OTHERWISE. ALL COLUMN, BEAM AND PILASTER TIES SHALL HAVE A 135° MINIMUM TURN PLUS 4 INCH EXTENSION TO THE FREE END.
D4. PROVIDE REINFORCING BARS AT MID HEIGHT IN SLABS-ON-GRADE AND AS SHOWN ON THE DRAWINGS.
D5. ANCHOR BOLTS SHALL BE MACHINE BOLTS A 307 WITH AMERICAN STANDARD REGULAR, SEMI-FINISHED, SQUARE OR HEXAGON HEADS. NUTS SHALL BE AMERICAN STANDARD HEAVY, SEMI-FINISHED, HEXAGON-TAPPED, UNC THREADED, CLASS B.
UNLESS OTHERWISE NOTED ON SHEAR WALL SCHEDULE, SILL PLATE BOLTS SHALL BE 5/8 INCH DIAMETER BY 10 INCHES LONG WITH A 2-INCH HOOK AND SPACED 4 FEET ON CENTERS. PROVIDE SILL BOLTS AT A DISTANCE OF 6 INCHES FROM EACH END OF THE SHEAR WALL CORNER AND SPLICE. PROVIDE A MINIMUM OF 2 BOLTS PER SILL PLATE.

D6. CONCRETE ACCESSORIES - ADHESIVE ANCHORS (RE 500 - SD, ESR-2322), EXPANSION BOLTS (HLTI KB-TSR, ESR-1917) AND POWDER-DRIVEN FASTENERS (HLTI X-U ESR-2289) SHALL BE AS MANUFACTURED BY HLTI INC., TULSA, OK OR APPROVED EQUIVALENT. THESE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

E. CONCRETE UNIT MASONRY

- E1. CONCRETE MASONRY UNITS (CMU) SHALL BE HOLLOW CLOSED, SINGLE OR DOUBLE OPEN END TYPE. ALL CMU SHALL CONFORM TO ASTM C-90, GRADE N, TYPE I, AND HAVE AN ULTIMATE COMPRESSIVE STRENGTH (F'm) = 1,500 PSI. WHEN PLACED, THE CMU SHALL HAVE CURED FOR NOT LESS THAN 28 DAYS. DO NOT USE CHIPPED OR CRACKED CMU. PROMPTLY REMOVE ANY CHIPPED OR CRACKED CMU IF DISCOVERED IN A FINISHED WALL, AND REPLACE THEM WITH NEW CMU TO THE SATISFACTION OF THE STRUCTURAL ENGINEER.
E2. CMU SHALL BE LAID IN RUNNING BOND. PROVIDE FULL INTERSECTING BOND AT CORNERS AND AT WALL INTERSECTIONS. PROVIDE SPECIAL PILASTER UNITS AT PILASTERS, OR BUILD PILASTERS USING FACE SHELLS ONLY; BRACE AS NECESSARY DURING GROUT PLACEMENT.
E3. MORTAR SHALL BE TYPE S, THAT WILL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI IN 28 DAYS.
E4. GROUT SHALL BE PEA GRAVEL MIX, 8 INCHES TO 10 INCHES SLUMP, AND DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS. IF TRANSIT-MIX GROUT IS NOT PLACED IN THE FINAL POSITION WITHIN 1 1/2 HOURS AFTER WATER IS FIRST ADDED TO THE BATCH, IT SHALL BE REJECTED.
GROUT SOLID ALL CELLS CONTAINING REINFORCEMENT, ANCHOR BOLTS OR OTHER EMBEDDED ITEMS.
E5. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE I OR TYPE II AND SHALL BE ENTIRELY OF ONE MANUFACTURER.
E6. WATER USED FOR GROUT AND MORTAR SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNTS OF ACIDS, SALTS, ALKALIES AND ORGANIC MATERIAL.
E7. SAND FOR MORTAR SHALL CONFORM TO ASTM C-404, TABLE 1, COARSE AGGREGATE.
E8. QUICKLIME SHALL CONFORM TO ASTM C-5.
E9. WHERE GROUT POUR EXCEEDS 4 FEET IN HEIGHT, CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS CONTAINING VERTICAL REINFORCEMENT.
E10. ALL HORIZONTAL REINFORCING SHALL BE IN BOND BEAM UNITS AND AGAINST VERTICAL BARS.
E11. VERTICAL BARS SHALL BE ACCURATELY AND POSITIVELY HELD IN PLACE BEFORE SETTING BLOCKS. BARS MAY BE DOWELLED AT THE TOP OF FOOTING ONLY, UNLESS OTHERWISE NOTED.
VERTICAL BARS AT CORNERS AND JAMBS AT OPENINGS, ETC., SHALL BE ONE CONTINUOUS LENGTH WITHOUT SPLICE. PROPER VERTICAL ALIGNMENT OF REINFORCING STEEL AND CMU BLOCKS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE NOTED.
E12. REINFORCING SHALL BE FULLY EMBEDDED IN THE GROUT. VERTICAL REINFORCING STEEL BARS SHALL IN PLACE PRIOR TO LAYING THE CMU WALL.
E13. WHEN GROUTING IS TO BE STOPPED FOR A PERIOD OF ONE (1) HOUR OR LONGER, CREATE A HORIZONTAL CONSTRUCTION JOINT BY STOPPING THE GROUT POUR ONE AND A HALF (1 1/2) INCHES BELOW THE UPPERMOST CMU COURSE.
E14. ALL MASONRY SHALL BE LAID TO MAINTAIN AN UNINTERRUPTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED WITH GROUT. THE VERTICAL ALIGNMENT SHALL MAINTAIN A CLEAR, UNOBSTRUCTED VERTICAL FLUE MEASURING NOT LESS THAN 3 INCHES BY 3 INCHES.
E15. EXCEPT AS SHOWN ON THE DRAWINGS, NO PLUMBING PIPE OR CHASE SHALL BE EMBEDDED IN CMU WALLS OR PARTITIONS.
E16. CMU WALLS SHALL BE CURED BY DAMPING FOR FIVE (5) DAYS

E17. CMU REINFORCING LAPS SHALL BE AS INDICATED IN THE TABLE BELOW:

Table with 3 columns: BAR SIZE, CORNER & END WALLS, OTHER PLACES. Rows include NO. 4, 5, 6, 7, 8 with corresponding dimensions in inches.

F. STRUCTURAL STEEL

- F1. MATERIAL FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE THE AMERICAN SOCIETY FOR MATERIALS AND TESTING (ASTM) SPECIFICATIONS AS LISTED BELOW:
WIDE FLANGE COLUMNS: ASTM A572, Fy = 50 KSI
OTHER STRUCTURAL STEEL: ASTM A36, Fy = 36 KSI
STEEL TUBING: ASTM A500, GRADE B, Fy = 48 KSI
PIPE: ASTM A53, GRADE B, Fy = 35 KSI
HIGH STRENGTH BOLTS: ASTM A325
OTHER BOLTS: ASTM A307
ANCHOR BOLTS: ASTM A307
F2. FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE CURRENT EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
F3. WELDING SHALL BE BY CERTIFIED WELDERS IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE - STEEL (ANSI/AWS D1.1-89)" AND AWS "STANDARD QUALIFICATIONS PROCEDURE".
F4. ARC WELDING ELECTRODES SHALL BE E70 SERIES FOR MANUAL WELDING, AND GRADE SA-1 OR SA-2 FOR SUBMERGED ARC WELDING. ALL FIELD WELDING SHALL HAVE SPECIAL INSPECTION.
F5. TEN PERCENT (10%) OF ALL FULL PENETRATION WELDS SHALL BE TESTED WITH X-RAY OR ULTRASONICALLY UNDER THE SUPERVISION OF AN INSPECTOR APPROVED BY THE OWNER.
G. WOOD FRAMING
G1. GENERAL - WOOD FRAMING SHALL BE IN ACCORDANCE WITH 2007 EDITION OF THE CBC, AND THE STANDARD PRACTICES RECOMMENDED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) AND WEST COAST LUMBER ASSOCIATION (WCLA) GRADING.
G2. WORKMANSHIP - ALL ROUGH CARPENTRY SHALL PRODUCE JOINTS TRUE AND TIGHT AND WELL NAILED WITH MEMBERS ASSEMBLED IN ACCORDANCE WITH THE DRAWINGS AND WITH ALL APPLICABLE BUILDING CODES. SHIMMING OF SILLS, JOISTS, SHORT STUDS, TRIMMERS, HEADERS, OR OTHER FRAMING MEMBERS SHALL NOT BE PERMITTED. ALL WALLS AND PARTITIONS SHALL BE STRAIGHT, PLUMB AND ACCURATELY LOCATED. CAREFULLY SELECT ALL STRUCTURAL MEMBERS. INDIVIDUAL MEMBERS SHALL BE SELECTED SO THAT KNOTS AND VISIBLE MINOR DEFECTS WILL NOT INTERFERE WITH THE INSTALLATION OF BOLTS, OR PROPER NAILING OR THE MAKING OF SOUND CONNECTIONS. LUMBER MAY BE REJECTED BY THE STRUCTURAL ENGINEER FOR EXCESSIVE WARP, TWIST, BOW, OR FOR MILDEW, FUNGUS OR MOLD, AS WELL AS, FOR IMPROPER GRADE MARKING. DEFECTS WHICH RENDER A PIECE INCAPABLE OF SERVING ITS INTENDED FUNCTION SHALL BE DISCARDED.
G3. THE MAXIMUM MOISTURE CONTENT OF STRUCTURAL WOOD FRAMING MEMBERS SHALL NOT EXCEED NINETEEN PERCENT (19%).
G4. WOOD IN CONTACT WITH MASONRY OR CONCRETE OR PERMANENTLY EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED AND MARKED WITH THE AMERICAN WOOD PRODUCERS BUREAU (AWPB) MARK OR SHALL BE FOUNDATION GRADE REDWOOD.
KEEP ALL UNTREATED WOOD MINIMUM HALF AN INCH (1/2") AWAY FROM CONCRETE OR MASONRY.
G5. SIZING AND SURFACING - EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, ALL LUMBER SHALL BE MILL SIZED AND SURFACED ON ALL FOUR SIDES. LUMBER SHALL BE SINGLE LENGTH PIECES FROM STRAIGHT STOCK FREE FROM WARP AND CUP. SPLICING SHALL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.
G6. UNLESS OTHERWISE NOTED ON THE DRAWINGS, FRAMING MEMBERS 3 X AND SMALLER, AND 4 X POSTS SHALL BE DOUGLAS FIR, GRADE NO. 2. FRAMING MEMBERS 4 X AND LARGER SHALL BE DOUGLAS FIR, GRADE NO. 1. EXCEPTION 4 X HEADERS MAY BE DOUGLAS FIR GRADE NO. 2.
G7. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
G8. INTERIOR STUDS THAT ARE 14 FEET OR LESS IN HEIGHT SHALL BE DOUGLAS FIR CONSTRUCTION GRADE AND BETTER. INTERIOR STUDS THAT ARE MORE THAN 14 FEET IN HEIGHT SHALL BE DOUGLAS FIR GRADE NO. 2. STUD SPACING SHALL BE 16 INCHES ON CENTERS, UNLESS OTHERWISE NOTED.
G9. AT WALLS SUPPORTING TRUSSES, PROVIDE A STUD DIRECTLY BELOW EACH TRUSS; PROVIDE ADDITIONAL STUD AS NECESSARY.
PROVIDE STUDS OR POSTS SUPPORTING THE FULL WIDTH OF BEAMS ENTERING WALLS; PROVIDE SOLID POSTS AND BLOCKING DOWN TO THE FOUNDATION.
PROVIDE DOUBLE JOIST OR TRUSS UNDER PARTITIONS PARALLEL TO THE JOISTS.
PROVIDE HALF-INCH (1/2") GAP BETWEEN THE TOP OF NON-BEARING PARTITIONS, AND THE BOTTOM OF TRUSSES; PROVIDE A CONNECTION TO BRACE THE PARTITION WHICH WILL ALLOW HALF INCH (1/2") VERTICAL MOVEMENT BOTH UPWARD AND DOWNWARD.
PROVIDE SOLID BLOCKING BETWEEN JOISTS AT PARTITIONS, GIRDERS, BEARING WALLS, AND ANY OTHER SUPPORT.
G10. SHEAR WALLS - BLOCK AT PLYWOOD JOINTS WITH BLOCKING OF SAME SIZE AS STUDS. EDGE-NAIL SHEATHING TO STUDS AT HOLD-DOWNS.
EXTEND SHEAR WALLS THROUGH FLOOR AND ROOF SYSTEMS WITH BLOCKING THAT IS STRUCTURALLY EQUIVALENT TO SHEAR WALL SHEATHING
G11. ALL SHEATHING FOR ROOF, FLOOR AND WALLS, SHALL BE AMERICAN PLYWOOD ASSOCIATION (APA) RATED SHEATHING, EXPOSURE 1, AND SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE APA. SHEATHING SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION OF U.S. PRODUCT STANDARD PS 1, OR ONE OF THE APA PERFORMANCE STANDARDS. SHEATHING AT LOCATIONS PERMANENTLY EXPOSED TO WEATHER SHALL BE EXTERIOR CLASS.
G12. FLOOR AND ROOF SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PERPENDICULAR TO THE SUPPORTS, AND THE LONG DIMENSION OF THE PANEL CONTINUOUS OVER TWO (2) OR MORE SPANS. STAGGER PANELS 4 FEET LENGTHWISE, UNLESS OTHERWISE NOTED. ALLOW 1/8 INCH SPACING AT PANEL ENDS AND 1/4 INCH AT PANEL EDGES. FLOOR SHEATHING SHALL BE 3/4 INCH MINIMUM PLYWOOD, APA RATED STUD-JOIST-FLOOR WITH A SPAN RATING OF 24; ROOF-SHEATHING SHALL BE 1/2 INCH MINIMUM PLYWOOD WITH A MINIMUM PANEL SPAN RATING OF 32/12.

MINIMUM NAILING SHALL CONFORM TO PLYWOOD DIAPHRAGM SCHEDULE.

- G13. GLUE PLYWOOD TO ALL SUPPORTS, INCLUDING BLOCKING, WITH 1/4 INCH MINIMUM BEADS OF APPROVED ADHESIVE MEETING APA SPECIFICATION AFG-01 AND APPLIED PER NER-108.
G14. ALL FRAMING HARDWARE SHALL BE "STRONG-TIE" AS MANUFACTURED BY SIMPSON COMPANY, OR AN APPROVED EQUAL AT LOCATIONS EXPOSED TO WEATHER, PROVIDE CORROSION-RESISTANT HARDWARE.
WOOD FRAMING MEMBERS NOT RESTING ON, OR FRAMED OVER THEIR SUPPORTS SHALL BE SUPPORTED BY "SIMPSON STRONG-TIE" JOIST HANGERS.
G15. BOLTS IN WOOD FRAMING SHALL BE STANDARD MACHINE BOLTS CONFORMING TO ASTM 307. PROVIDE MALLEABLE IRON WASHERS UNDER HEAD AND NUT OF BOLTS AND LAG SCREWS BEARING ON WOOD, UNLESS OTHERWISE NOTED, BOLT HOLES SHALL BE NOMINAL DIAMETER OF THE BOLT PLUS 1/16 INCH. RETIGHTEN ALL BOLTS BEFORE CLOSING IN.
FASTENERS FOR PRESSURE TREATED WOOD SHALL BE HOT-DIPPED ZINC COATED, GALVANIZED, STAINLESS STEEL, SILICON BRONZE OR COPPER

H. PREFABRICATED TRUSSES

- H1. THE FABRICATOR OF THE PREFABRICATED TRUSSES SHALL SUBMIT TRUSS DESIGN CALCULATIONS AND SHOP DRAWINGS FOR ALL TRUSSES, THAT ARE STAMPED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER, TO THE BUILDING DEPARTMENT FOR APPROVAL. CALCULATIONS SHALL INCLUDE ALL STRESSES AND DEFLECTIONS DUE TO DEAD AND LIVE LOADS. SHOP DRAWINGS SHALL INCLUDE THE LAYOUT OF THE TRUSSES, SIZE OF MEMBERS AND CONNECTION DETAILS.
H2. THE MAXIMUM DEFLECTION OF ROOF TRUSSES DUE TO DEAD AND LIVE LOADS SHALL NOT EXCEED L/240, AND THE MAXIMUM DEFLECTION FOR FLOOR TRUSSES DUE TO LIVE LOAD SHALL NOT EXCEED L/360.
H3. THE DISTRIBUTED LOADS SHALL BE:
MEMBER ROOF TRUSS FLOOR TRUSS
TOP CHORD D.L. 6.0 PSF* 10.5 PSF
LL 16.0 PSF 40.0 PSF
100.0 PSF CORRIDOR
BOTTOM CHORD D.L. 7.2 PSF 5.0 PSF
LL 10.0 PSF 10.0 PSF
* USE 16.0 PSF FOR CONCRETE TILE ROOFING
TOP AND BOTTOM CHORD LIVE LOADS MAY NOT BE APPLIED SIMULTANEOUSLY. ONE POINT LOAD OF 250 LBS SHALL BE APPLIED TO EACH TRUSS.

I. GLU-LAMINATED LUMBER

- I1. GLU-LAMINATED (GLU-LAM) LUMBER SHALL BE Fb = 2,400 PSI, Fv = 165 PSI AND E = 1,800,000 PSI. ADHESIVE SHALL BE SUITABLE FOR WET AREAS. LAMINATIONS SHALL BE COMBINATION FABRICATED IN ACCORDANCE WITH AITC PS 56.73. FOR SINGLE SPAN MEMBERS USE 24F-V4 DF/DF; FOR CONTINUOUS OR CANTILEVERED OVER SUPPORTS USE 24F-V8 DF/DF. USE PRESSURE TREATED LUMBER FOR GLU-LAM MEMBERS CONTINUOUSLY EXPOSED TO WEATHER.
I2. FABRICATION SHALL BE BY A LICENSED FABRICATOR. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND AITC CERTIFICATION SHALL BE REQUIRED FOR ALL GLU-LAM MEMBERS.
I3. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLIANCE FOR ALL GLU-LAM BEAMS TO THE BUILDING DEPARTMENT AND THE STRUCTURAL ENGINEER FOR APPROVAL.
I4. GLU-LAM BEAMS SHALL NOT BE NOTCHED DRILLED, TAPERED, DAPPED OR CUT IN ANYWAY EXCEPT AS SHOWN ON THE DRAWINGS.

J. SHOP DRAWINGS

- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE SHOP DRAWINGS AND CONSTRUCTION IS IN CONFORMANCE WITH THE LATEST STRUCTURAL DRAWINGS.
THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW TO DETERMINE GENERAL COMPLIANCE WITH THE APPROVED CONSTRUCTION DRAWINGS. THIS REVIEW DOES NOT CERTIFY THAT THE SHOP DRAWINGS ARE IN COMPLIANCE WITH THE LATEST ARCHITECTURAL AND ENGINEERING DRAWINGS.
SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW OF THE FOLLOWING STRUCTURAL WORK ITEMS:
REINFORCING STEEL
GLU-LAM BEAMS AND OTHER MEMBERS
STRUCTURAL STEEL WORK
FLOOR AND ROOF TRUSSES
PRE-FABRICATED STAIRS
FABRICATION SHALL NOT PROCEED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED BY THE BUILDING DEPARTMENT AND THE STRUCTURAL ENGINEER.

K. CONSTRUCTION INSPECTION

- 1. GRADING, DRAINAGE, PAD PREPARATION
a. Henry Justiniano & Associates (Soils Eng.)
2. DRILLED PIERS
a. Henry Justiniano & Associates (Soils Eng.)
3. STRUCTURAL REINFORCING STEEL
a. B.R. Govindarao (Engineer of Record)
4. STRUCTURAL COLUMNS, INCLUDING REINFORCING STEEL
a. B.R. Govindarao (Engineer of Record)
5. EPOXY INSTALLED ANCHOR AND HOLD DOWN BOLTS
a. B.R. Govindarao (Engineer of Record)
6. STRUCTURAL WELDING
a. Fabricator's shop welding inspector
7. MANUFACTURED TRUSSES
a. B.R. Govindarao (Engineer of Record)
Observed deficiencies shall be reported to the Owner, the Special Inspector, the Contractor and the Building Official.
Prior to final inspection, the structural observer shall submit to the Building Official a written statement that site visits have been made and identify any reported deficiencies that have not been resolved.
Contractor in responsible charge to submit a written statement of responsibility to the Owner and Building Official (City of Livermore Permit Center) for:
1. Acknowledgement of awareness of the special requirement contained in the statement of special inspection.
2. Acknowledgement that control will be exercised to obtain conformance with the construction documents approved by the Building Official.
3. Procedures for exercising control within the Contractor's organization, the method of, and frequency of reporting and the distribution of the reports; and
4. Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.
Automatic Sprinkler Systems as specified by Livermore Municipal Ordinance
Plans and Specifications shall be submitted to the City of Livermore Permit Center for Review and Approval prior to installation.
Deferred Submittal: 1. Fire Sprinklers
2. Alarm system
3. Manufactured roof trusses

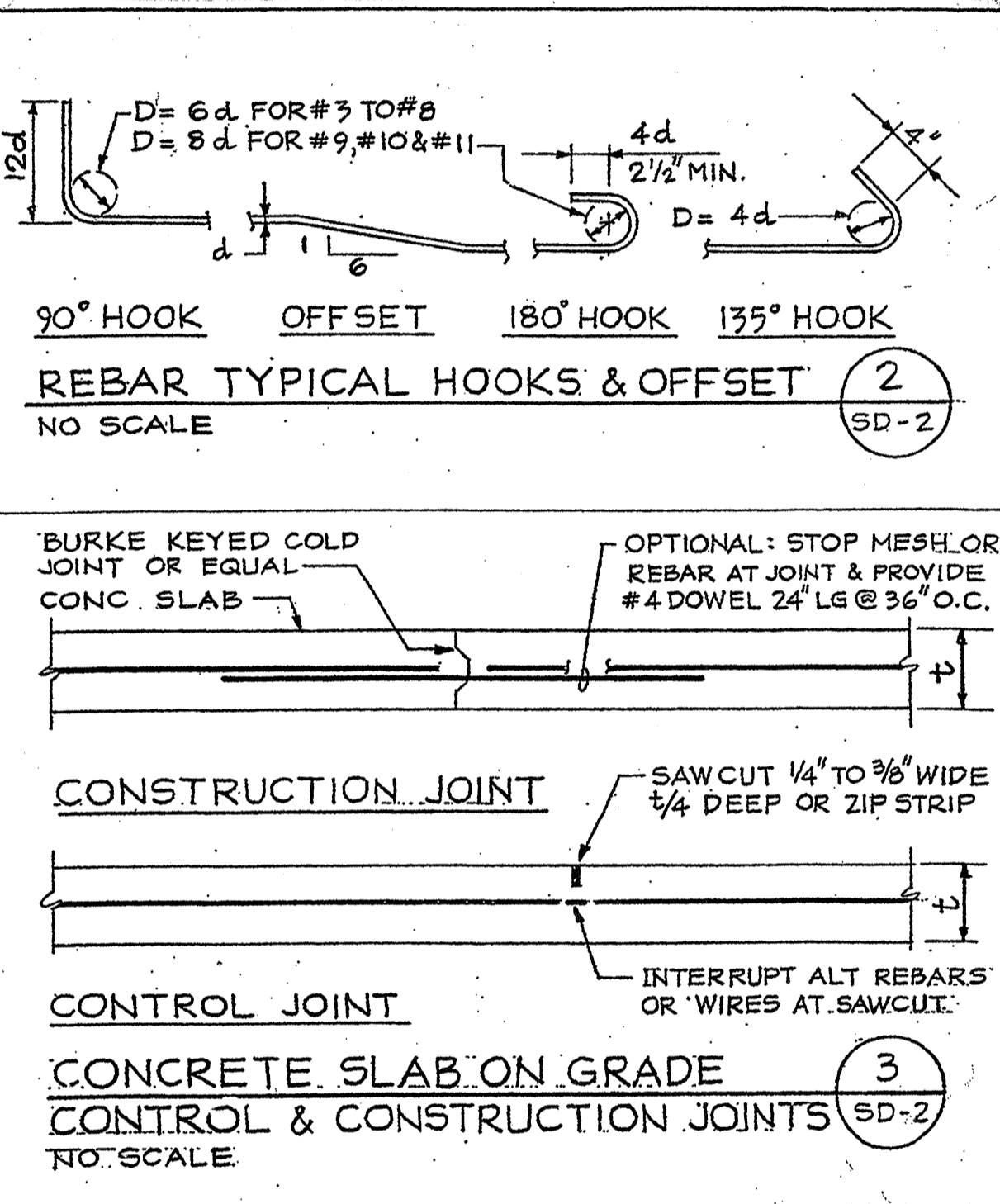
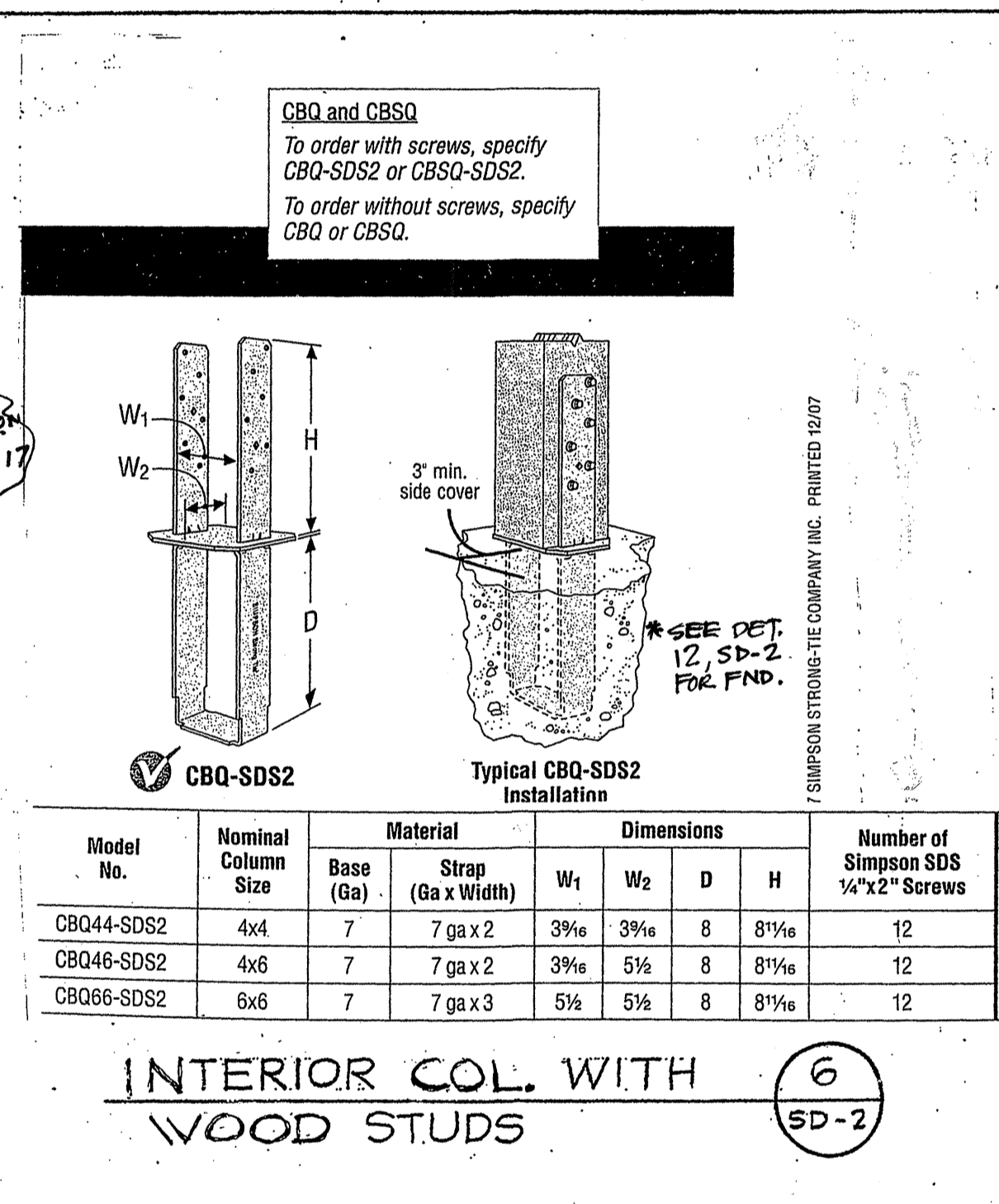
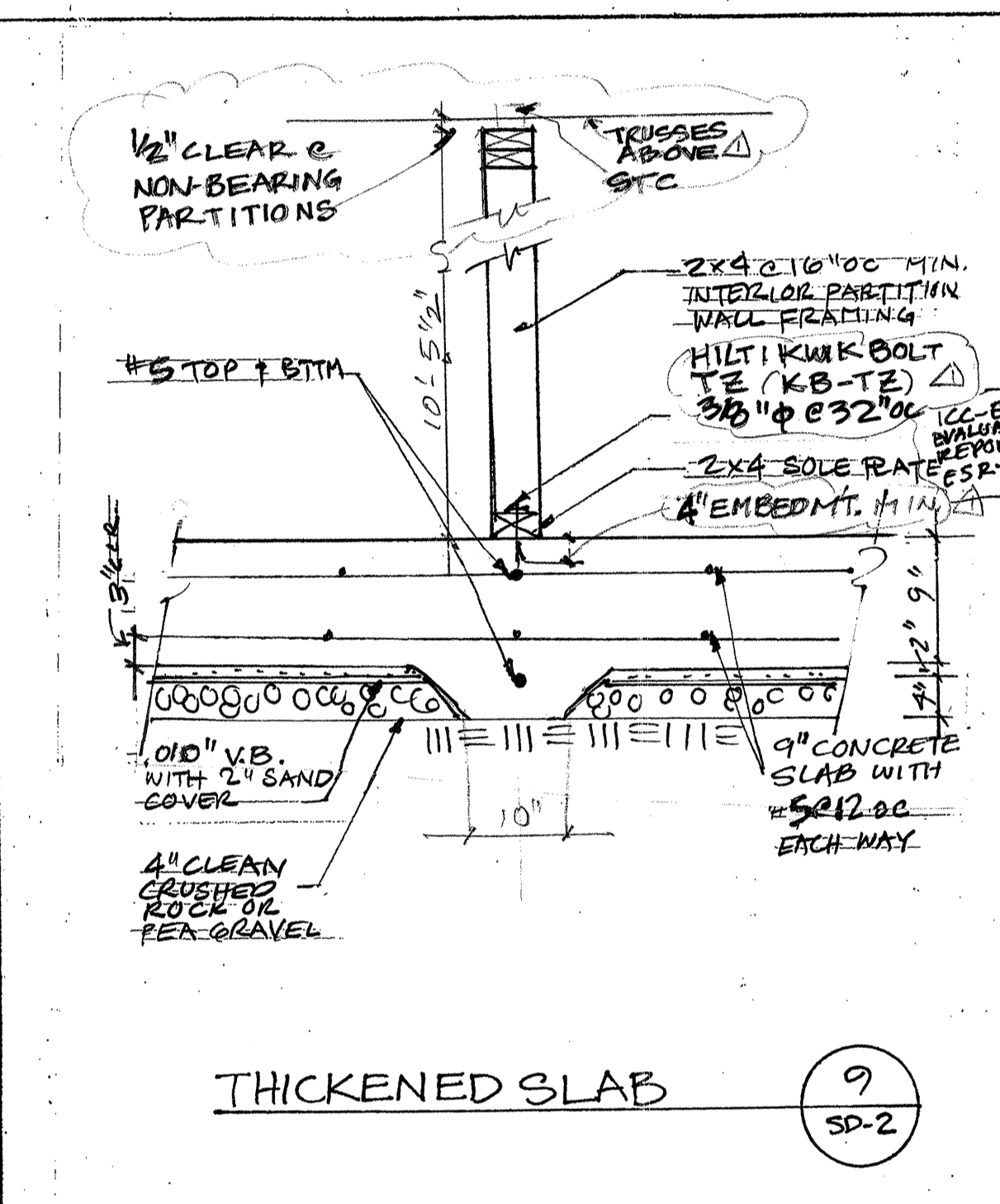
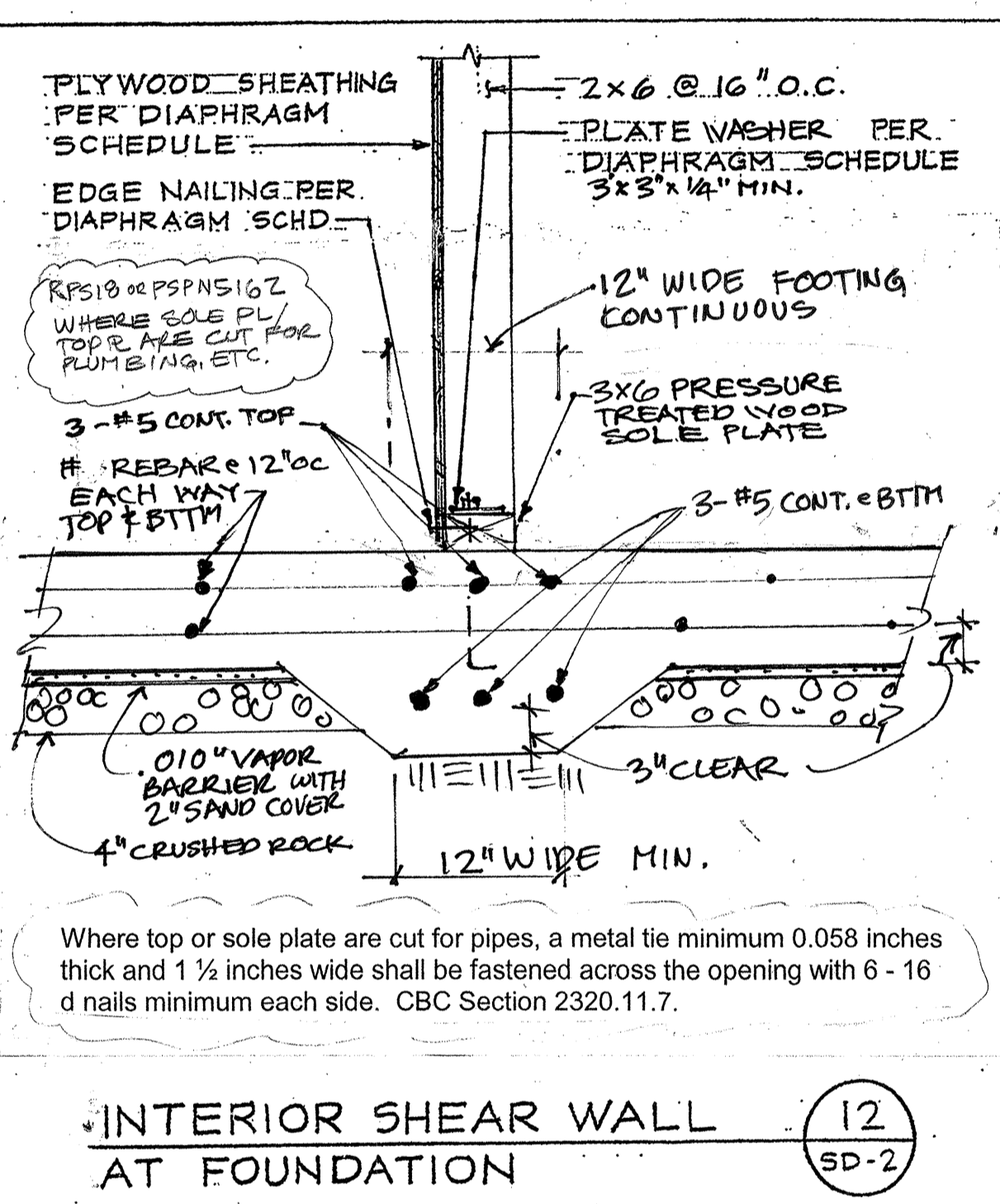
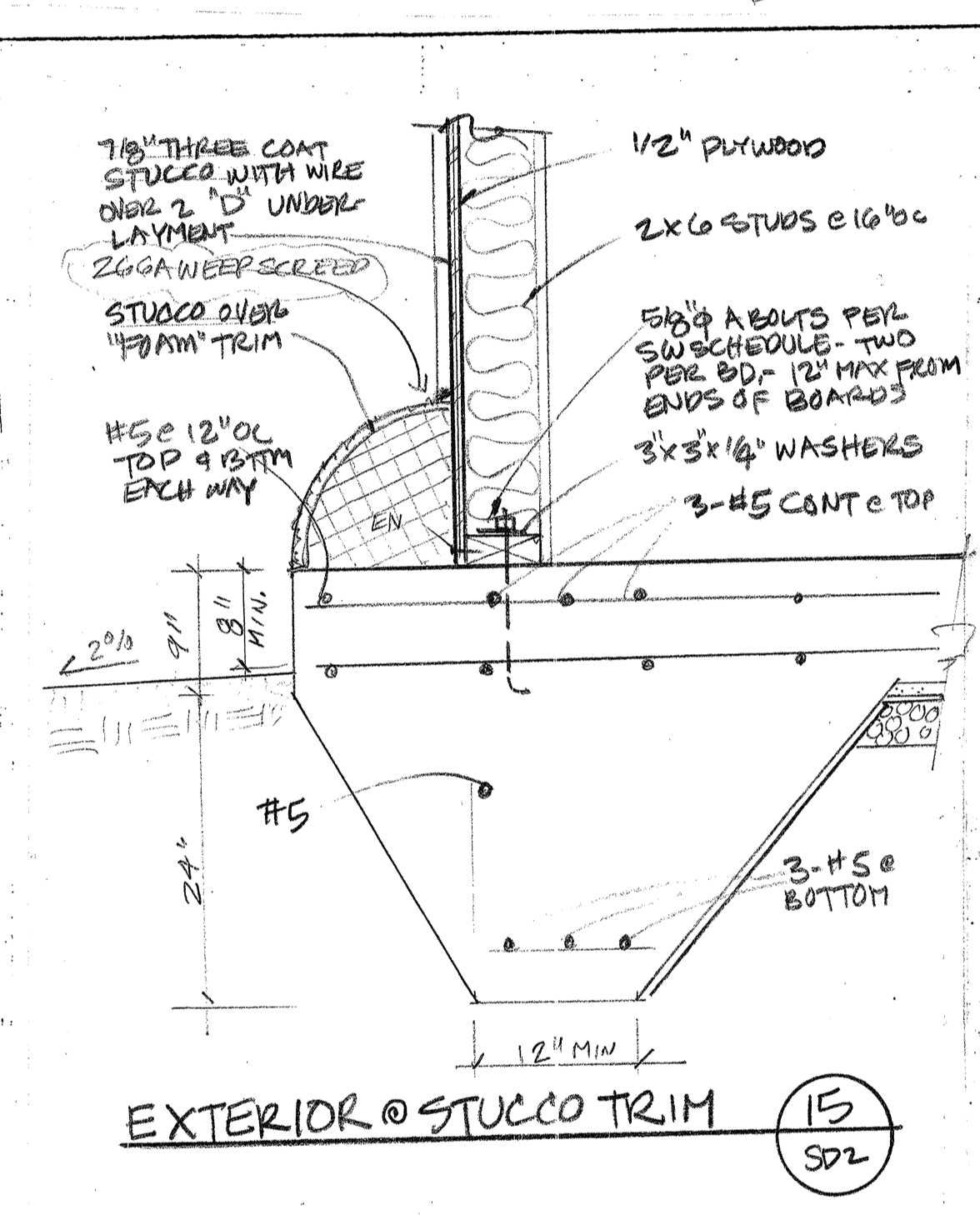
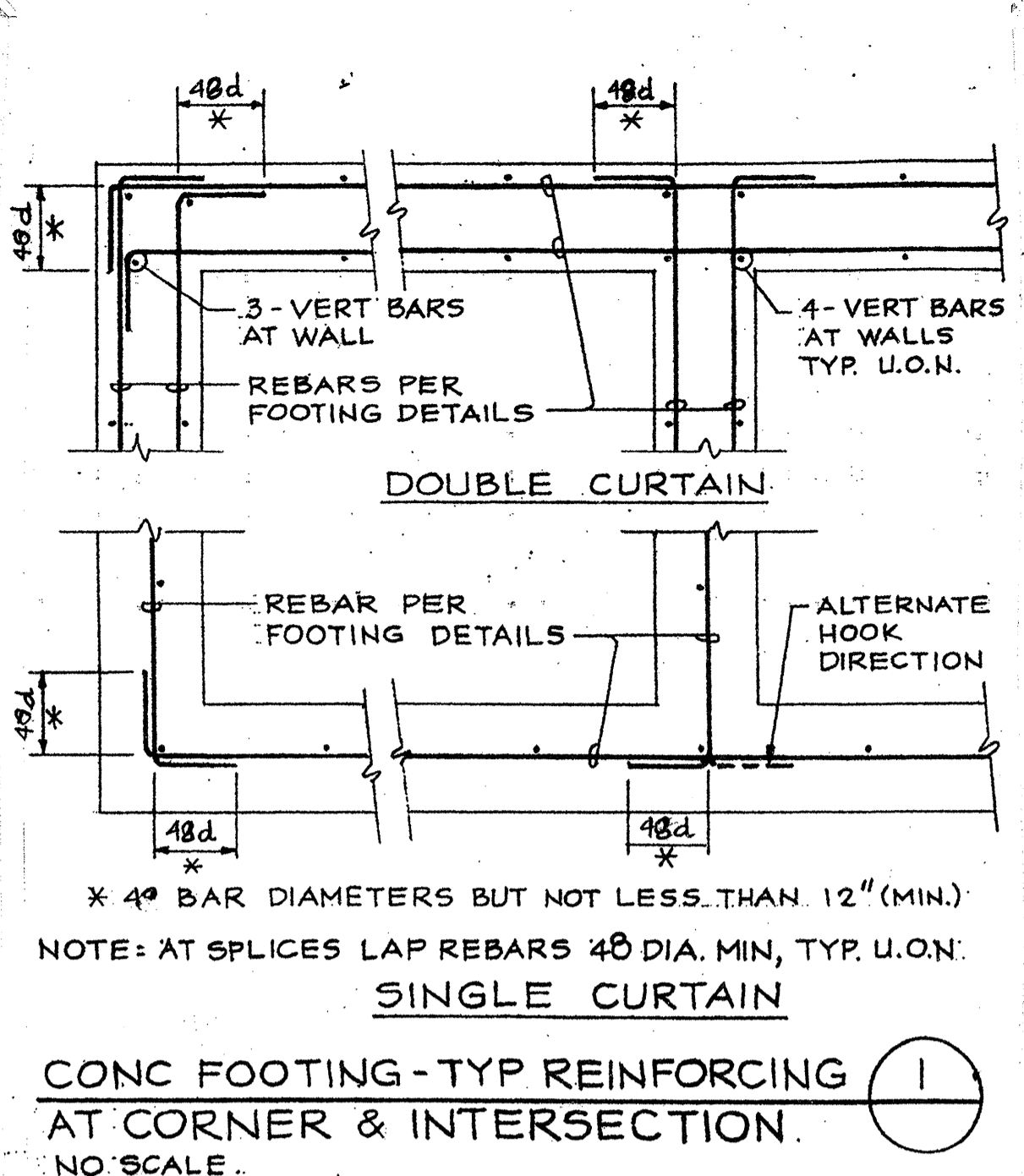
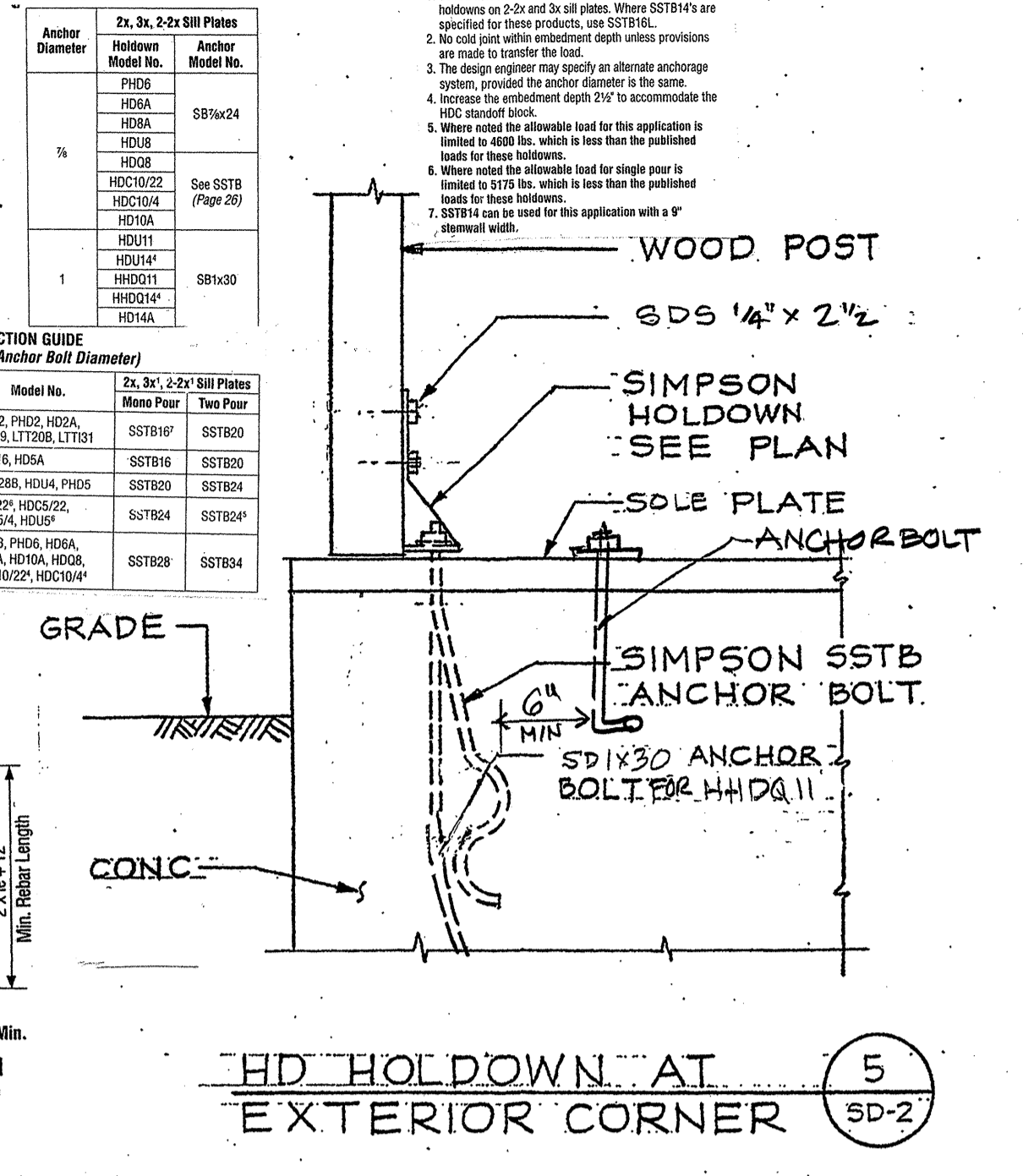
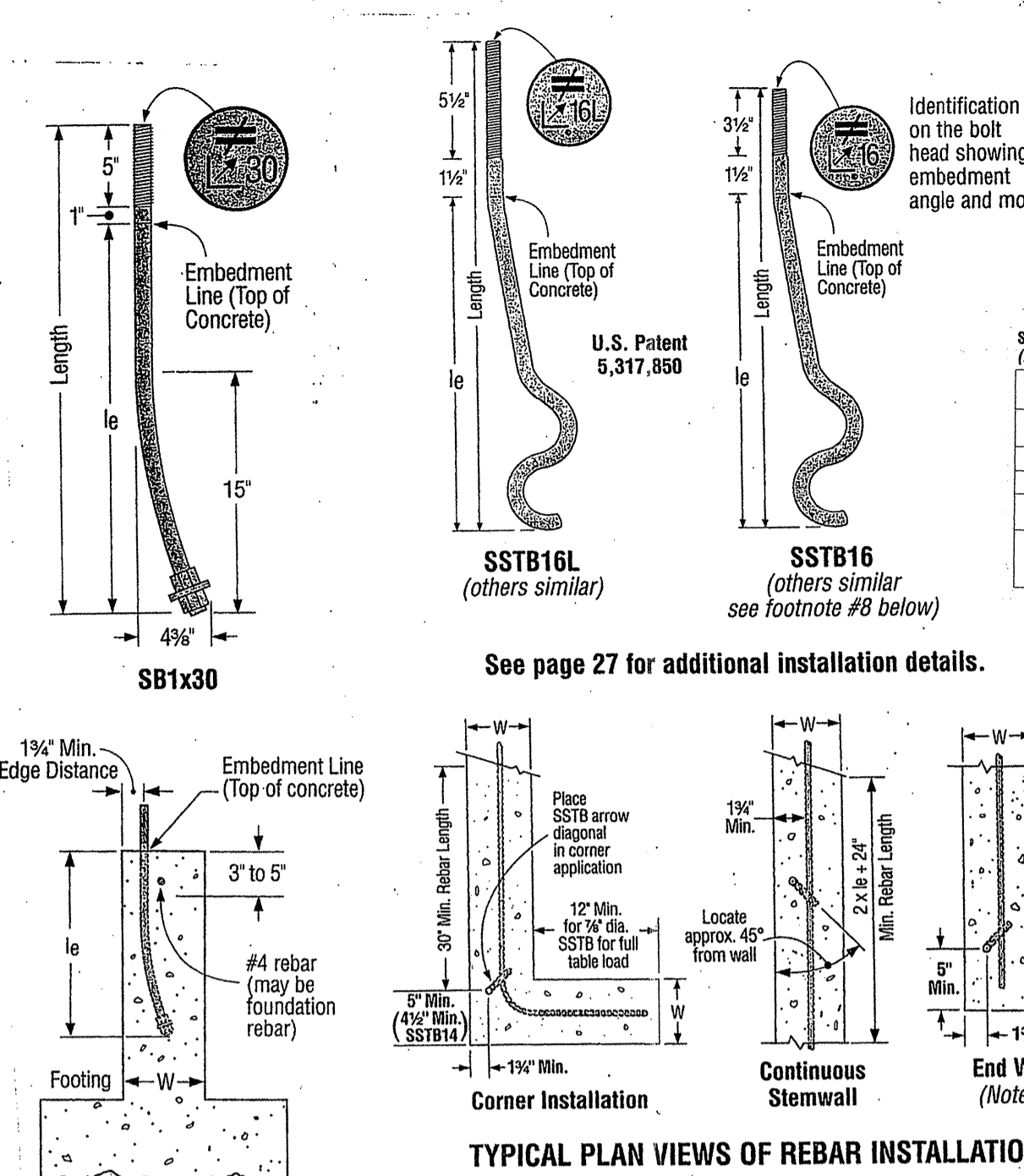
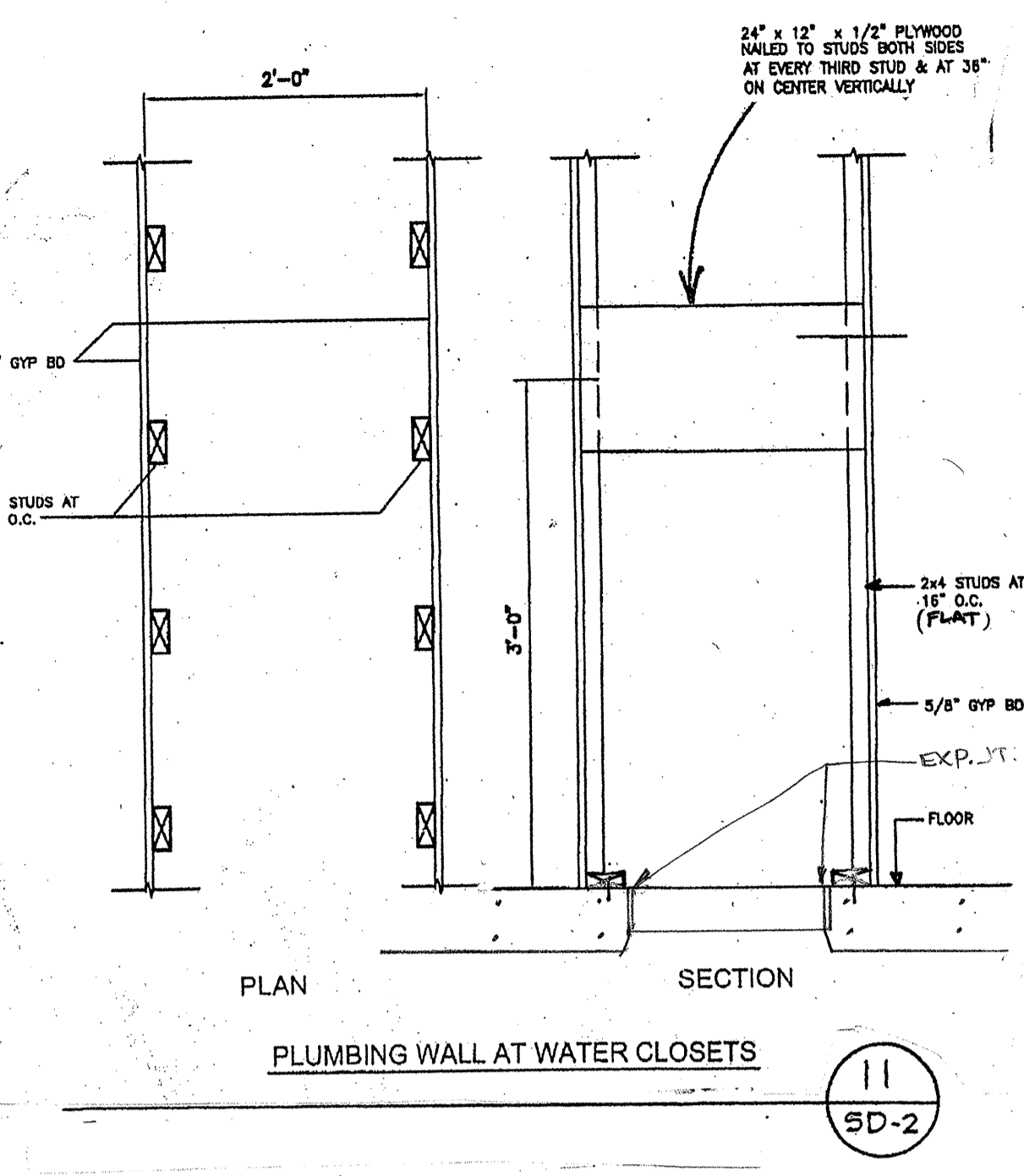
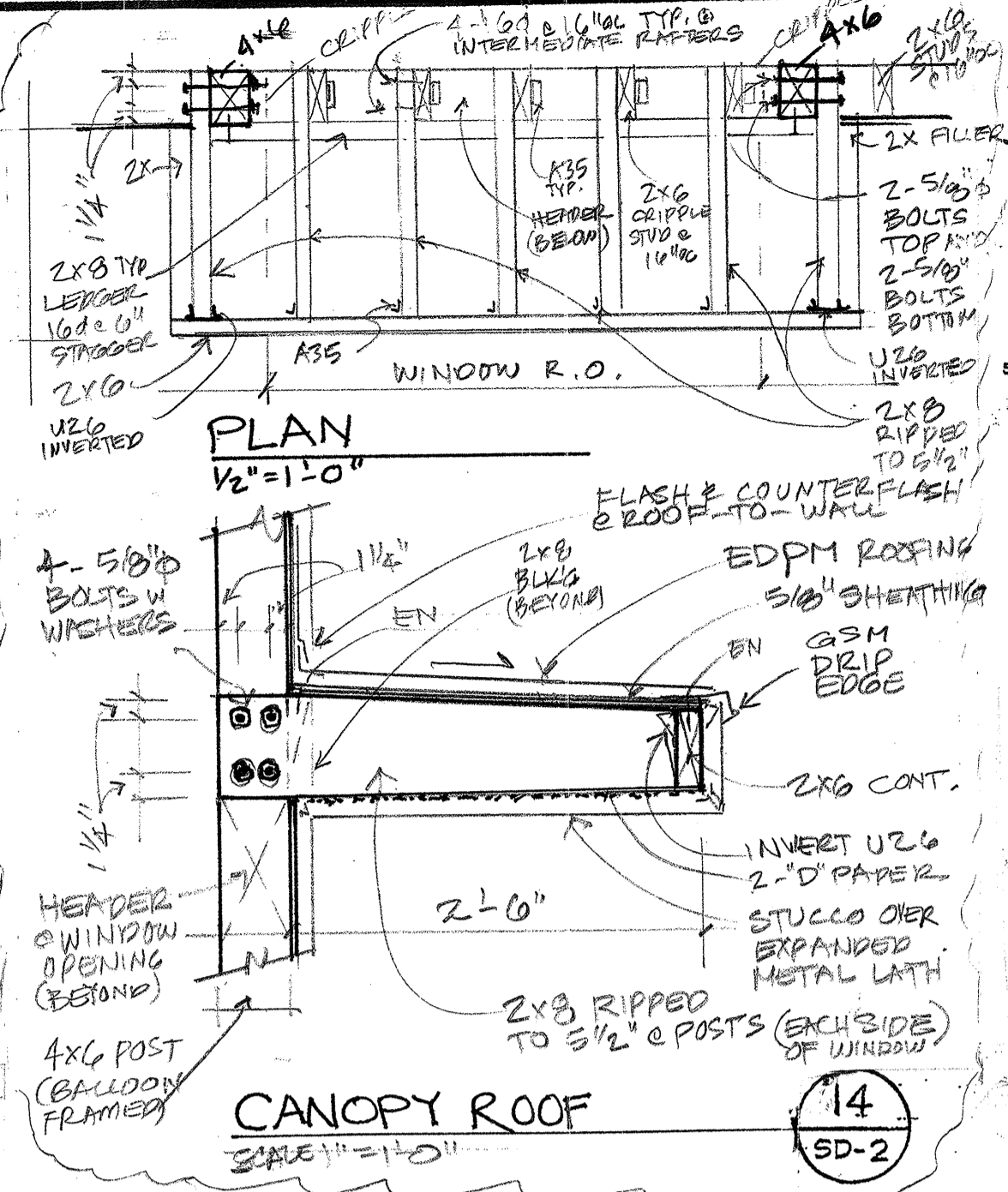
REVISIONS table with columns for revision number, description, and date.

NEW BUILDING "C" - PHASE 1B
HINDU COMMUNITY and CULTURAL CENTER
1299 ARROWHEAD AVE. LIVERMORE, CA 94551

STRUCTURAL GENERAL NOTES
GOVINDARAO



REVISIONS	BY
PLAN CHECK	RL
8-9-10	



CONNECTION	FASTENING ^{a,b}	LOC.
1. Joist to sill or girder	3- 8d common (2 1/2" x 0.131") 3- 3" x 0.131" nails 3- 3" 14 gage staples	toenail
2. Bridging to joist	2- 8d common (2 1/2" x 0.131") 2- 3" x 0.131" nails 2- 3" 14 gage staples	toenail each end
3. 1" x 6" subfloor or less to each joist	2- 8d common (2 1/2" x 0.131")	face nail
4. Wider than 1" x 6" subfloor to each joist	3- 8d common (2 1/2" x 0.131")	face nail
5. 2" subfloor to joist or girder	2- 16d common (3 1/2" x 0.162")	blind and face nail
6. Sole plate to joist or blocking	16d (3 1/2" x 0.135") at 16" o.c. 3" x 0.131" nails at 8" o.c. 3" 14 gage staples at 12" o.c.	typical face nail
Sole plate to joist or blocking at braced wall panel	3- 16d (3 1/2" x 0.135") at 16" 4- 3" x 0.131" nails at 16" 4- 3" 14 gage staples per 16"	braced wall panels
7. Top plate to stud	2- 16d common (3 1/2" x 0.162") 3- 3" x 0.131" nails 3- 3" 14 gage staples	end nail
8. Stud to sole plate	4- 8d common (2 1/2" x 0.131") 4- 3" x 0.131" nails 3- 3" 14 gage staples	toenail
9. Double studs	2- 16d common (3 1/2" x 0.162") 3- 3" x 0.131" nails 3- 3" 14 gage staples	end nail
10. Double top plates	16d (3 1/2" x 0.135") at 16" o.c. 3" x 0.131" nail at 12" o.c. 3" 14 gage staple at 12" o.c.	typical face nail
Double top plates	8-16d common (3 1/2" x 0.162") 12-3" x 0.131" nails 12-3" 14 gage staples	lap splice
11. Blocking between joists or rafters to top plate	3- 8d common (2 1/2" x 0.131") 3- 3" x 0.131" nails 3- 3" 14 gage staples	toenail
12. Rim joist to top plate	8d (2 1/2" x 0.131") at 6" o.c. 3" x 0.131" nail at 6" o.c. 3" 14 gage staple at 6" o.c.	toenail
13. Top plates, laps and intersections	2- 16d common (3 1/2" x 0.162") 3- 3" x 0.131" nails 3- 3" 14 gage staples	face nail

14. Continuous header, two pieces	16d common (3 1/2" x 0.162")	16" o.c. along edge
15. Ceiling joists to plate	3- 8d common (2 1/2" x 0.131") 5- 3" x 0.131" nails 5- 3" 14 gage staples	toenail
16. Continuous header to stud	4- 8d common (2 1/2" x 0.131")	toenail
17. Ceiling joists, laps over partitions (see Section 2308.10.4.1, Table 2308.10.4.1)	3- 16d common (3 1/2" x 0.162") minimum, Table 2308.10.4.1 4- 3" x 0.131" nails 4- 3" 14 gage staples	face nail
18. Ceiling joists to parallel rafters (see Section 2308.10.4.1, Table 2308.10.4.1)	3- 16d common (3 1/2" x 0.162") minimum, Table 2308.10.4.1 4- 3" x 0.131" nails 4- 3" 14 gage staples	face nail
19. Rafter to plate (see Section 2308.10.1, Table 2308.10.1)	4- 8d common (2 1/2" x 0.131") 3- 3" x 0.131" nails 3- 3" 14 gage staples	toenail
20. 1" diagonal brace to each stud and plate	2- 8d common (2 1/2" x 0.131") 2- 3" x 0.131" nails 3- 3" 14 gage staples	face nail
21. 1" x 8" sheathing to each bearing	3- 8d common (2 1/2" x 0.131")	face nail
22. Wider than 1" x 8" sheathing to each bearing	3- 8d common (2 1/2" x 0.131")	face nail
23. Built-up corner studs	16d common (3 1/2" x 0.162") 3" x 0.131" nails at 24" o.c. 3" 14 gage staples at 24" o.c.	face nail at top and bottom staggered on opposite sides
24. Built-up girder and beams	20d common (4" x 0.192") 32" o.c. 3" x 0.131" nail at 24" o.c. 3" 14 gage staple at 24" o.c.	face nail at ends and at each splice
25. 2" planks	16d common (3 1/2" x 0.162")	at each bearing
26. Collar tie to rafter	3- 10d common (3" x 0.148") 4- 3" x 0.131" nails 4- 3" 14 gage staples	face nail
27. Jack rafter to hip	3- 10d common (3" x 0.148") 4- 3" x 0.131" nails 4- 3" 14 gage staples	toenail
28. Roof rafter to 2-by ridge beam	2- 16d common (3 1/2" x 0.162") 3- 3" x 0.131" nails 3- 3" 14 gage staples	face nail

29. Joist to band joist	3- 16d common (3 1/2" x 0.162") 4- 3" x 0.131" nails 4- 3" 14 gage staples	face nail
30. Ledger strip	3- 16d common (3 1/2" x 0.162") 4- 3" x 0.131" nails 4- 3" 14 gage staples	face nail
31. Wood structural panels and particleboard ^c Subfloor, roof and wall sheathing (to framing)	1/2" and less 6d ^d 2 1/2" x 0.113" nail ^e 1 1/4" 16 gage staple ^f 8d ^g or 6d ^h 2 1/2" x 0.113" nail ^e 2" 16 gage ⁱ 3/4" to 1" 8d ^d 1 1/2" to 1 1/4" 10d ^g or 8d ^h 3/4" and less 6d ^d 7/8" to 1" 10d ^g or 8d ^h 1 1/2" to 1 1/4" 10d ^g or 8d ^h	face nail
Single Floor (combination subfloor-underlayment to framing)	1/2" or less 6d ^d 8d ^d	face nail
32. Panel siding (to framing)	1/2" or less 6d ^d 8d ^d	face nail
33. Fiberboard sheathing ⁱ	1/2" No. 11 gage roofing nail ^j 6d common nail (2" x 0.113") No. 16 gage staple ^k No. 11 gage roofing nail ^j 8d common nail (2 1/2" x 0.131") No. 16 gage staple ^k	face nail
34. Interior paneling	1/4" 4d ^l 3/4" 6d ^d	face nail

Exception: Comply with Standard Metal Stud and Ceiling Joist Table (no submittal required)

Size (in.)	Gauge	Stud Spacing (in.)				Ceiling Joist Spacing (in.)			
		12	16	24	12	16	24		
3-5/8	25	15-10	13-8	11-2	12	16	24		
	20	20-11	19-0	16-7	>9"	>6"			
6	20	31-8	28-10	23-10					

No punctures or holes drilled within 12" of stud ends. Track gauge same as stud with 1" track leg height.

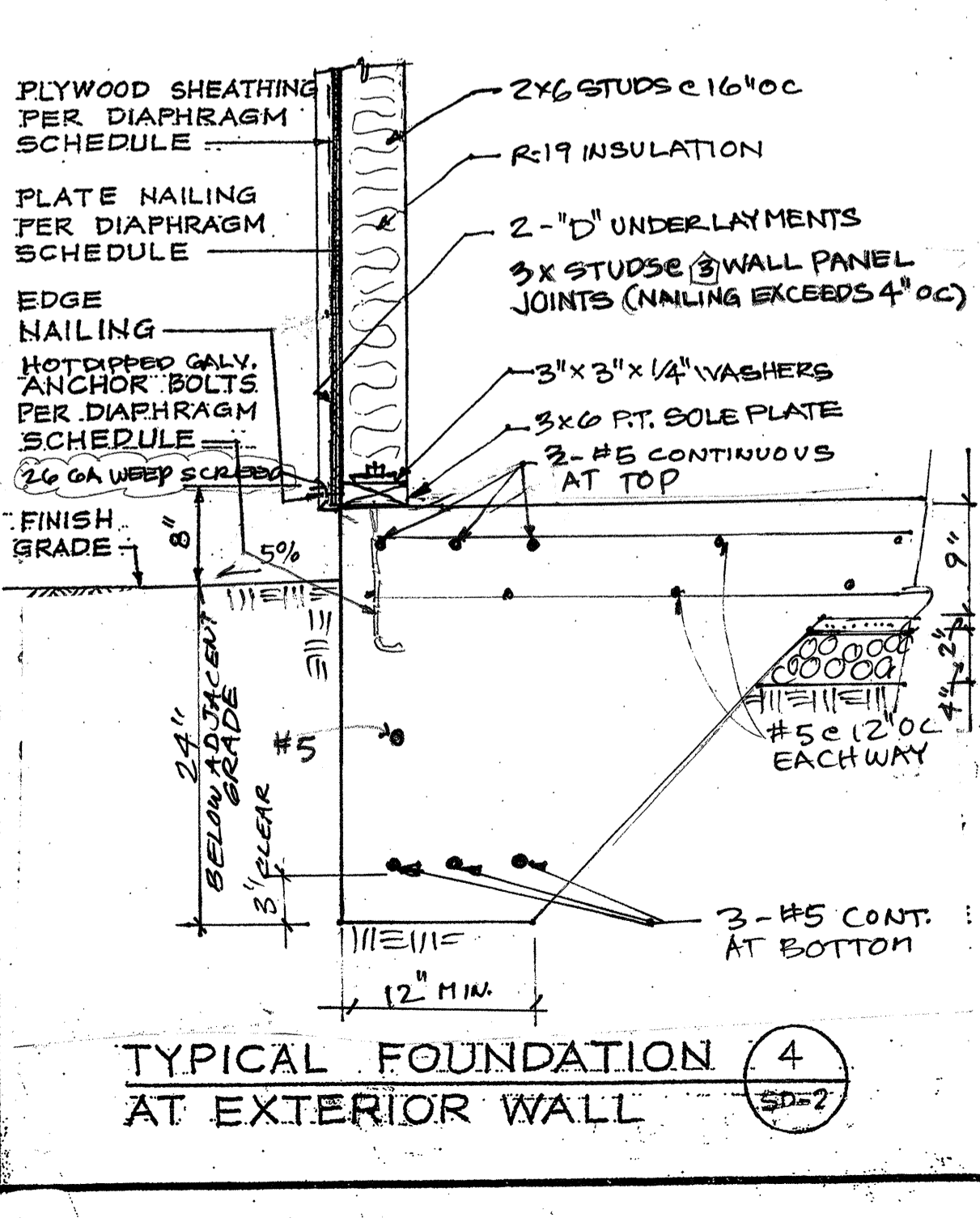
Ceiling Joist - Top Plange Braced 48" O.C.

Size (in.)	Gauge	Stud Spacing (in.)			
		12	16	24	
3-5/8	20	10-8	9-8	8-0	
	6	20	15-10	13-10	

FOR ALL INSTALLATIONS THAT DO NOT COMPLY WITH THE STANDARD METAL STUD TABLE, SUBMIT TO THE BUILDING DIVISION FOR APPROVAL, TWO (2) COPIES OF THE FOLLOWING INFORMATION PRIOR TO INSTALLATION:

- Cover sheet with the following information:
 - Job site address, contact person, telephone number
 - Manufacturer's name
 - Listing agency and report numbers
 - Provide the following for each stud or joist:
 - Size
 - Type
 - Gauge
 - Spacing
 - Actual height or span of stud or joist
 - Web crippling calculation and indicate if web stiffening is required
 - Tract size, type, and gauge
- Copy of the listing agency report, (i.e., ICBO, ES, UL, etc.)
- Provide installation instructions and details for any special conditions such as:
 - Web stiffeners
 - Wall intersections

Metal Stud Submittal Requirements



STRUCTURAL DETAILS - SHEET 1
GOVINDARAO CONSULTING ENGINEER

NEW BUILDING 'C' - PHASE IB
HINDU COMMUNITY and CULTURAL CTR
1260 ARROWHEAD AVE. LIVERMORE, CA
Date: 8-24-10
Scale:
Drawn:
Job: ARROWHEAD
Sheet: SD-2B
Of: Sheets

HOLE CHART

INSTRUCTIONS:

- Determine the joint depth and desired hole size and find the hole factor or hole location in Table 1. If the table reports a hole factor, proceed to step 2.
- In Table 2, locate the cell where the joint span and hole factor intersect. The dimension shown is the required distance from nearest edge of hole to inside face of support.

Example:

1" TJI joist with Performance Plus web, 8" diameter round hole, 21" O.C. joist span (center-to-center of support).

1. From Table 1, the hole factor is 1.0.

2. From Table 2, the nearest edge of the hole must be at least 4" from inside face of support.

TABLE 1 - HOLE FACTORS AND LOCATIONS

Hole Size	JOIST SPAN					
	2'	4'	6'	12'	14'	18'
1/2"	A	B	C	D	E	F
3/4"	A	B	C	D	E	F
1"	A	B	C	D	E	F
1 1/4"	A	B	C	D	E	F
1 1/2"	A	B	C	D	E	F
2"	A	B	C	D	E	F
2 1/2"	A	B	C	D	E	F
3"	A	B	C	D	E	F
3 1/2"	A	B	C	D	E	F
4"	A	B	C	D	E	F

TABLE 2 - HOLE LOCATIONS

JOIST SPAN	HOLE FACTOR					
	A	B	C	D	E	F
10'	11"	23"	33"	41"	47"	52"
12'	11"	23"	33"	41"	47"	52"
14'	11"	23"	33"	41"	47"	52"
16'	11"	23"	33"	41"	47"	52"
18'	11"	23"	33"	41"	47"	52"
20'	11"	23"	33"	41"	47"	52"
22'	11"	23"	33"	41"	47"	52"
24'	11"	23"	33"	41"	47"	52"
26'	11"	23"	33"	41"	47"	52"
28'	11"	23"	33"	41"	47"	52"
30'	11"	23"	33"	41"	47"	52"
32'	11"	23"	33"	41"	47"	52"
34'	11"	23"	33"	41"	47"	52"
36'	11"	23"	33"	41"	47"	52"
38'	11"	23"	33"	41"	47"	52"
40'	11"	23"	33"	41"	47"	52"
42'	11"	23"	33"	41"	47"	52"
44'	11"	23"	33"	41"	47"	52"
46'	11"	23"	33"	41"	47"	52"
48'	11"	23"	33"	41"	47"	52"
50'	11"	23"	33"	41"	47"	52"

ASSUMPTIONS:

Tables are based on uniformly loaded applications or building code provisions for concentrated loads (2000 lbs over 2 1/2 feet spaced with 25 psf dead and 25 psf partition loading). Joists supporting concentrated loads or other conditions of possible occurrence, contact your local representative.

Tables are based on simple span applications. For uniformly loaded cantilever and continuous span applications, the holes must be located one inch further from the support for each foot of joint span than the values indicated in the tables. Do not cut holes in cantilever area without consulting your True Joist representative.

TJI® BLOCKING PANELS / TimberStrand® LSL RIM BOARD

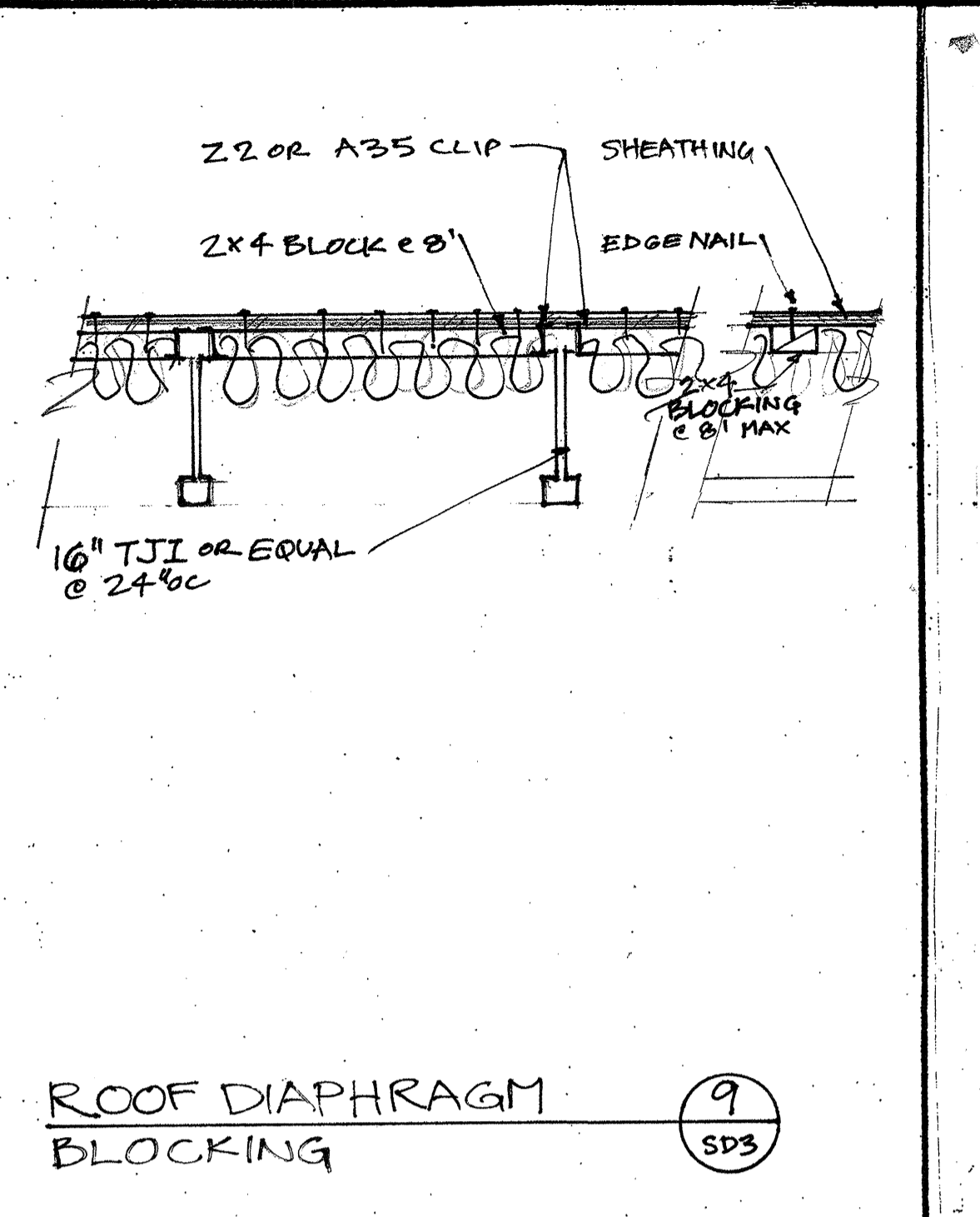
Minimum TJI® Blocking panel attachment: Use 10d (D) box nails at 8" o.c. Use 10d (D) box nails at 4" o.c. with TJI® blocking panels. When used for shear transfer, nail to bearing plate with connections equivalent to decking nail schedule.

ALLOWABLE UNIFORM LOAD (PLF)

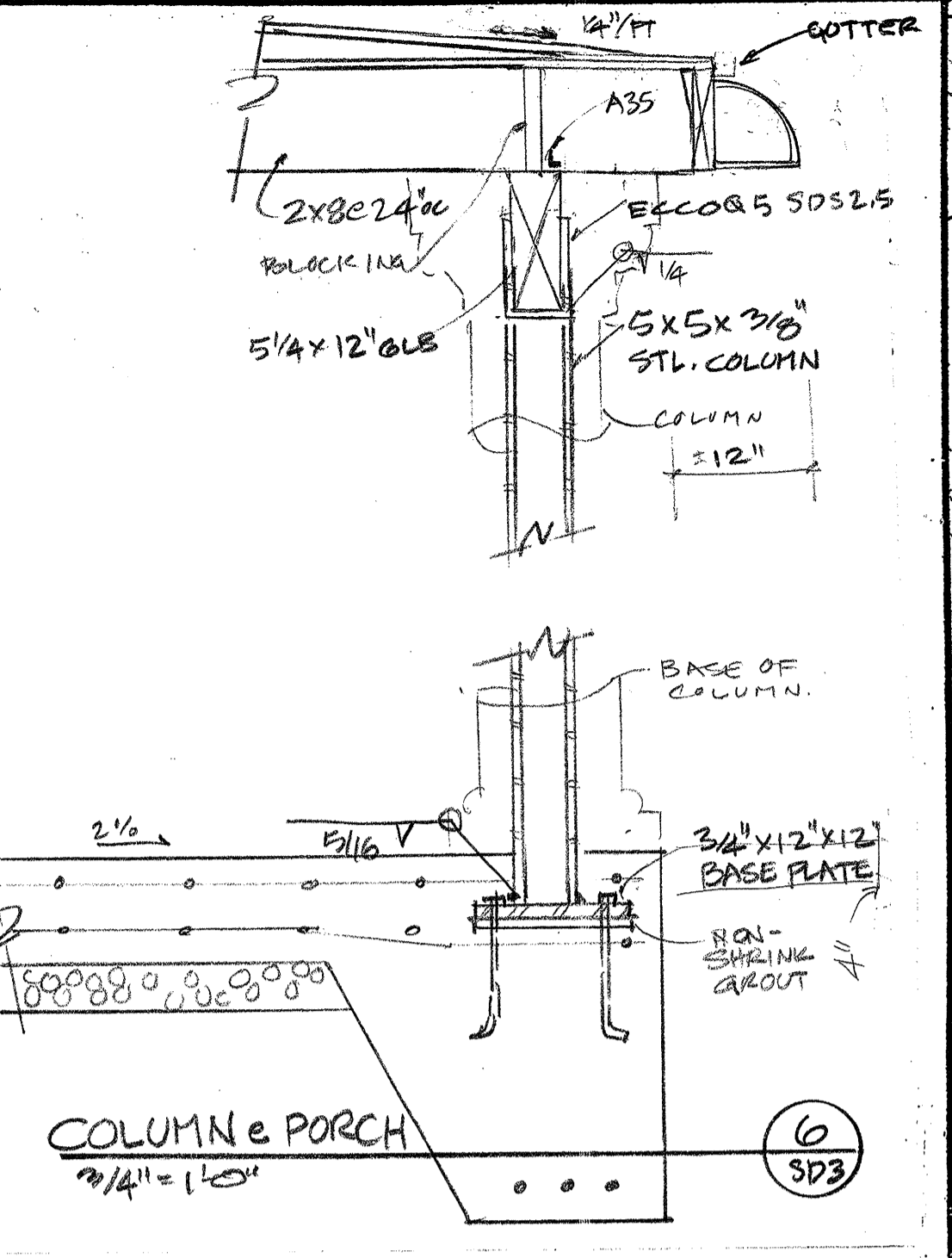
TYPICAL TIMBERSTRAND® LSL	RIM BOARD ALLOWABLE UNIFORM LOADS					
	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
10'x14'	2700	2300	2400	2100	1700	1400
12'x16'	2700	2300	2400	2100	1700	1400
14'x18'	4140	4140	4140	4140	3600	3150
16'x20'	4140	4140	4140	4140	3600	3150

GENERAL NOTES:

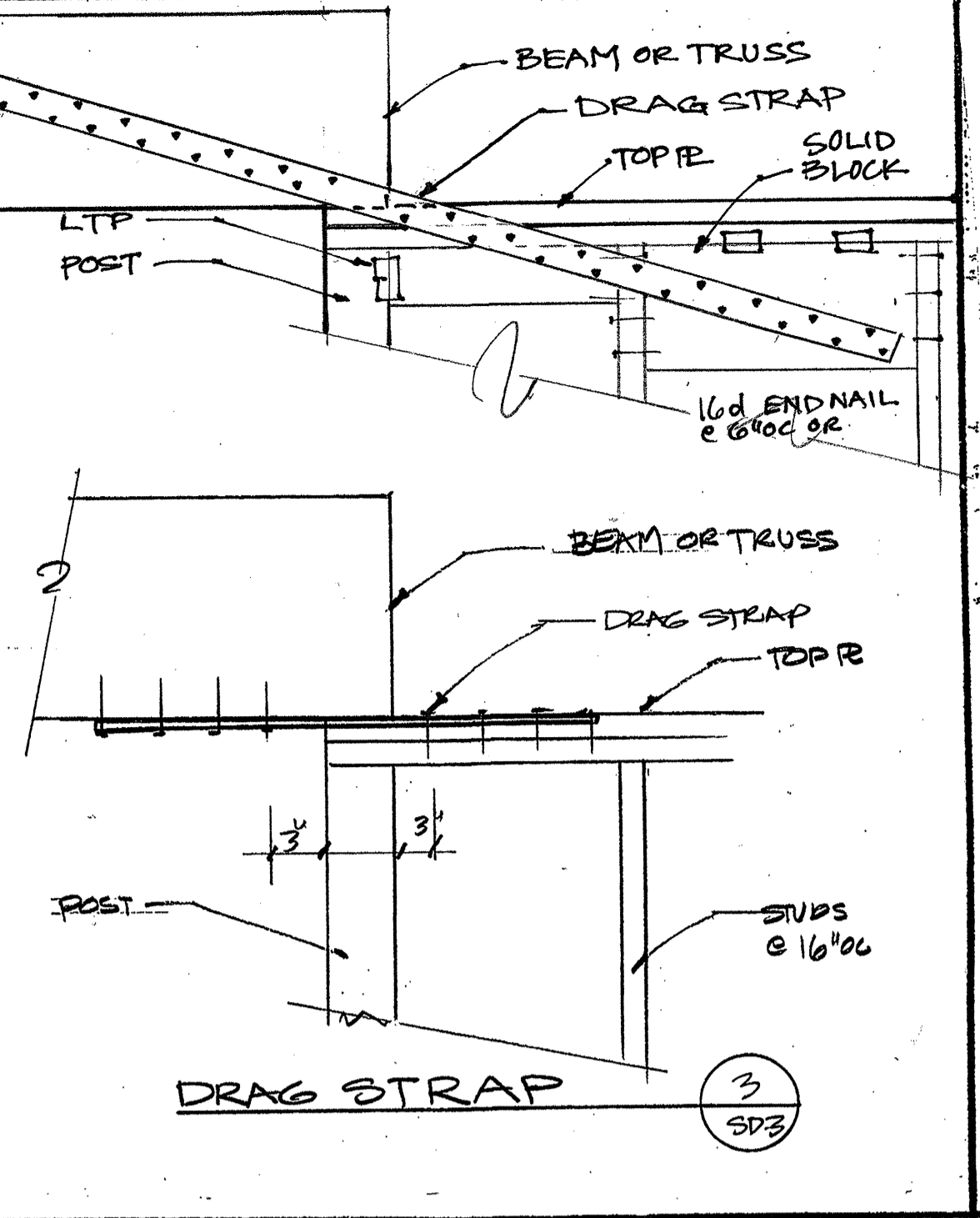
- Shear transfer nailing must be established by design. TJI® blocking panel design limits are to be based upon web material for specific series used. For capacity, use all shear values for an 1 1/2" deep joist of the series used.
- TJI® blocking panels and TimberStrand® LSL rim board may be used for vertical load carrying panels.
- General notes:
 - Holding prevent rot during installation of joists.
 - TJI® blocking panels and TimberStrand® LSL rim board are available from True Joist.
 - When used for vertical load transfer, the values provided may be used in pounds per linear foot or TJI® blocking panels or TimberStrand® LSL rim board.



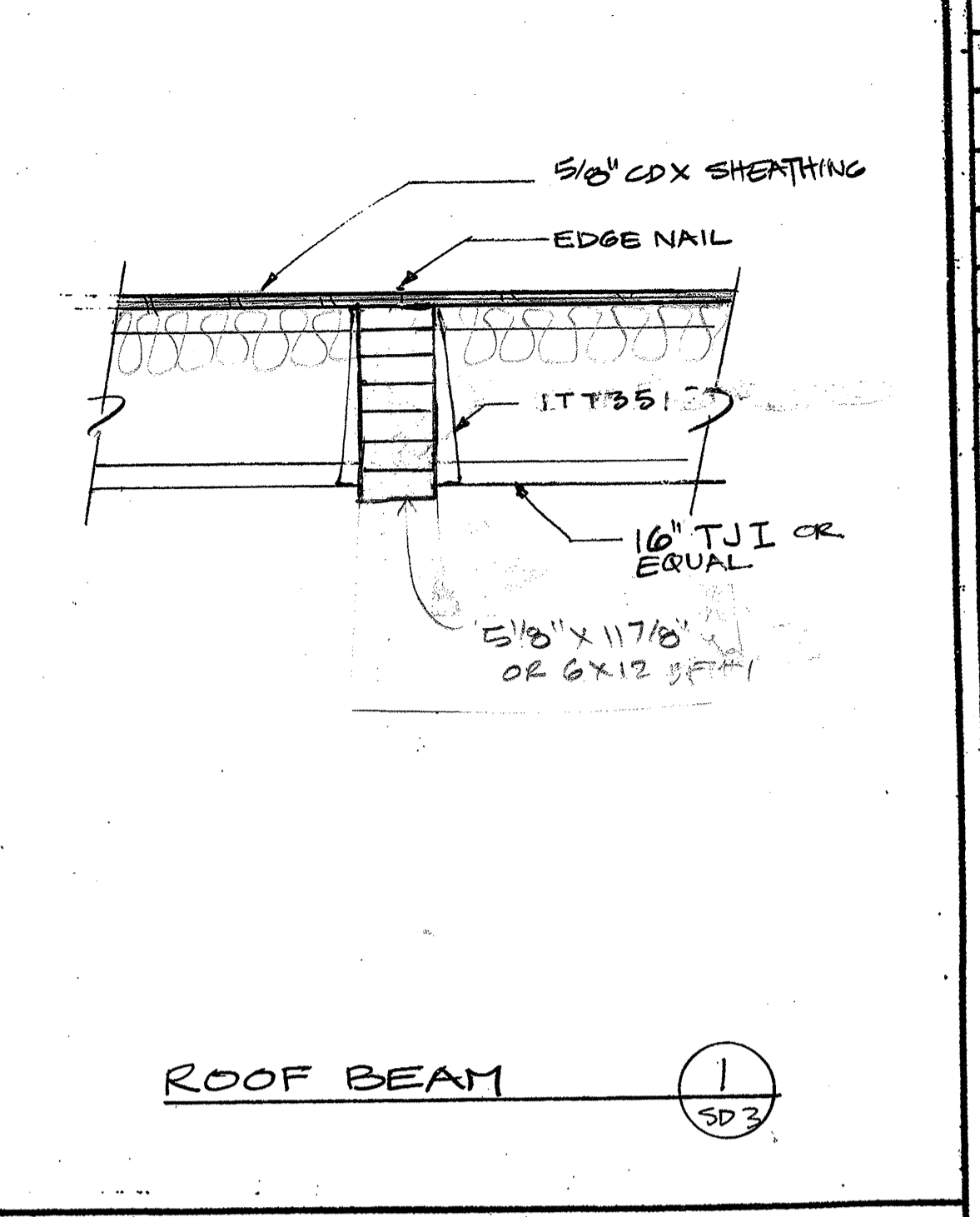
ROOF DIAPHRAGM BLOCKING (9) SD-3



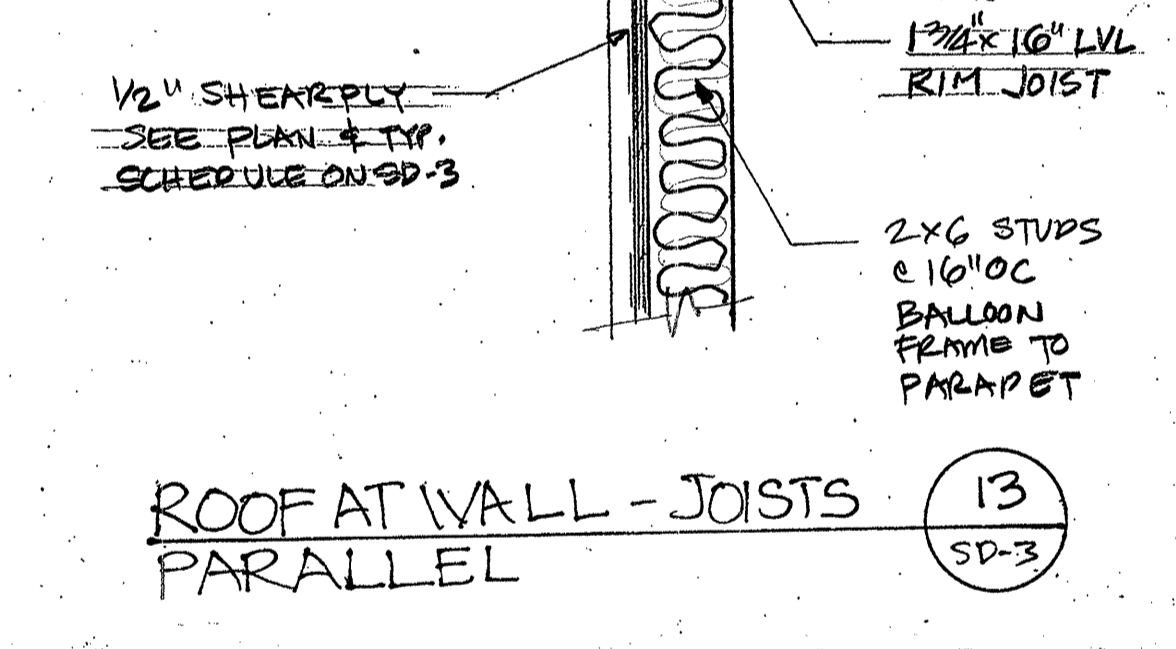
COLUMN & PORCH (6) SD-3



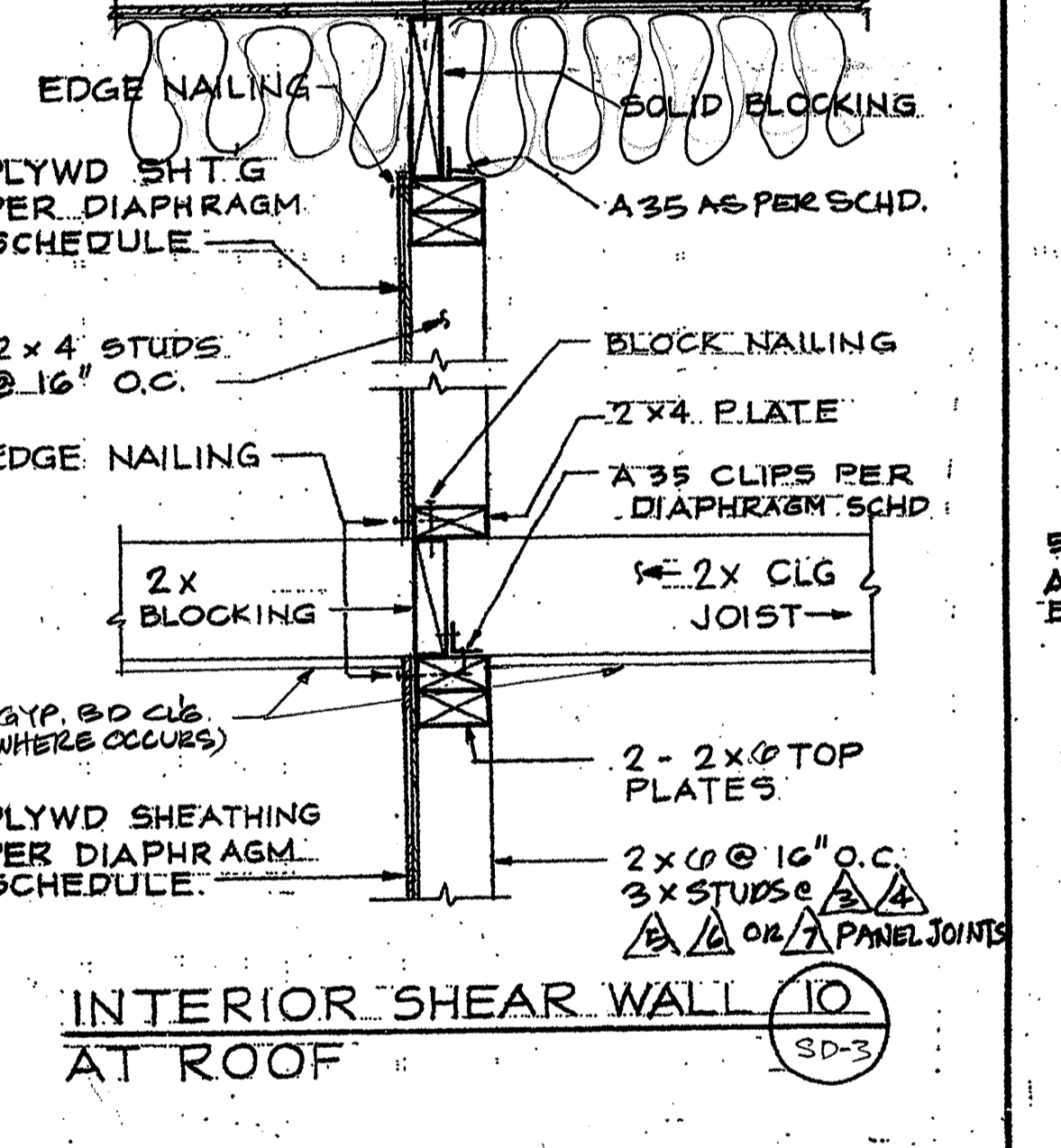
DRAG STRAP (3) SD-3



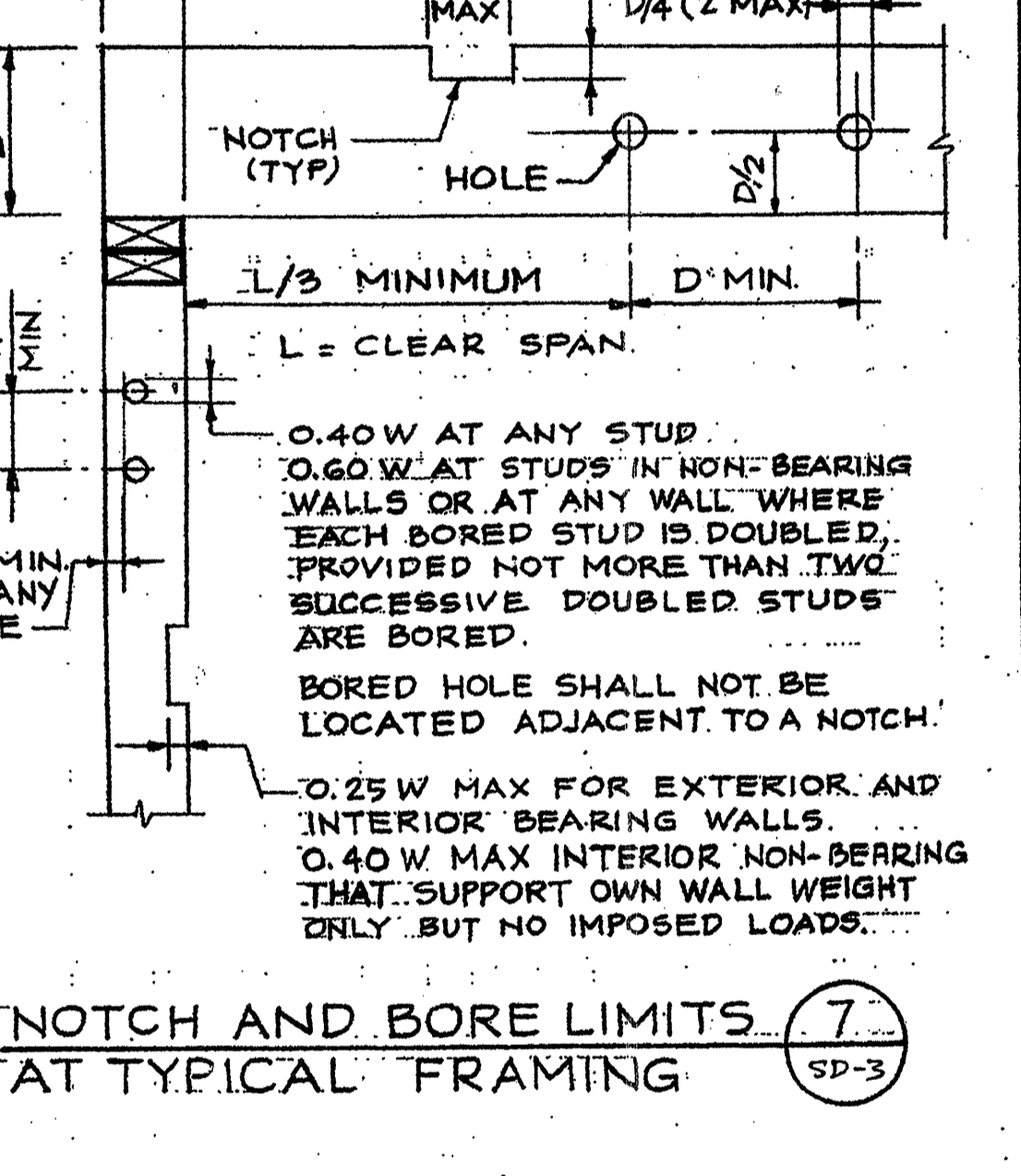
ROOF BEAM (1) SD-3



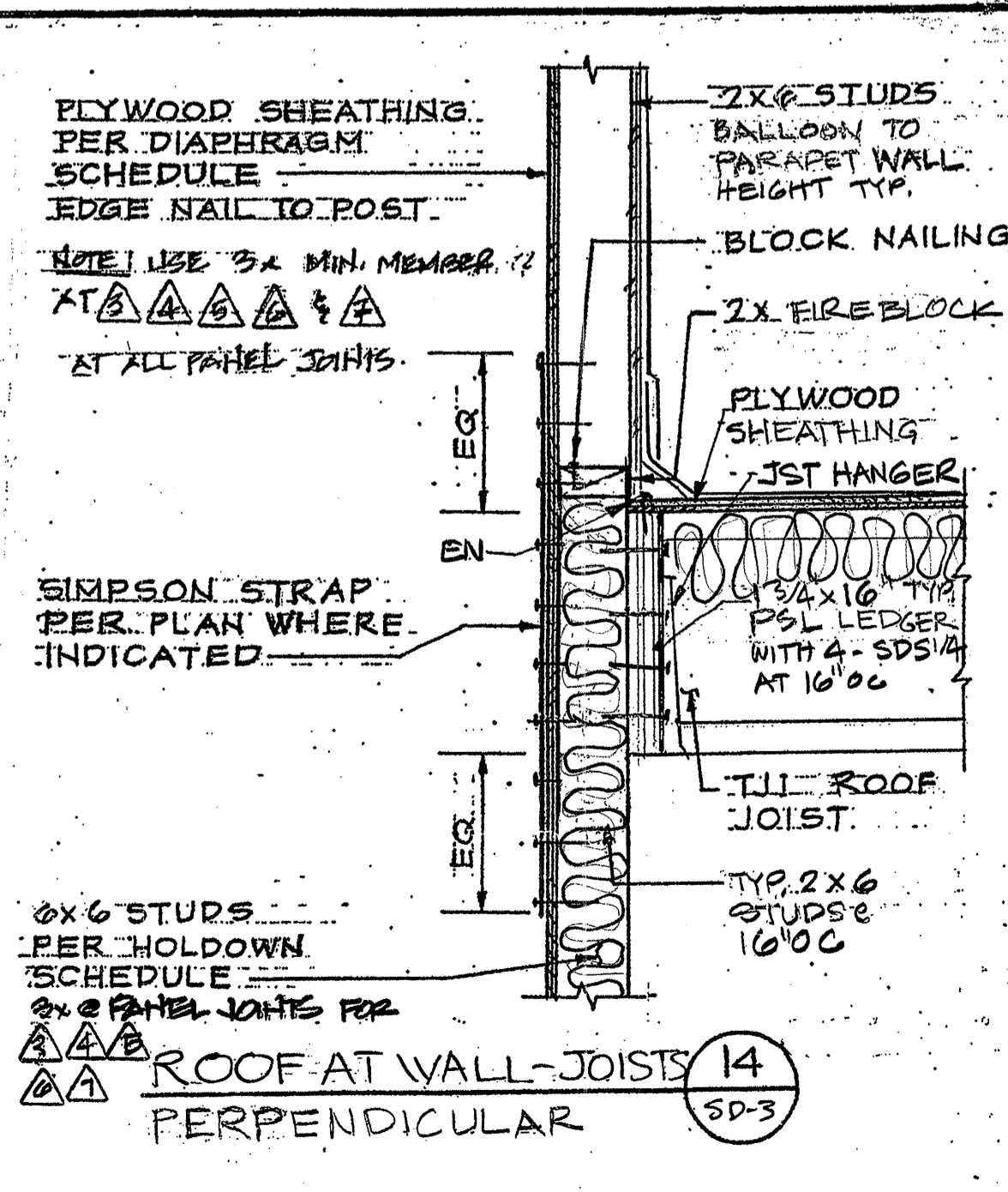
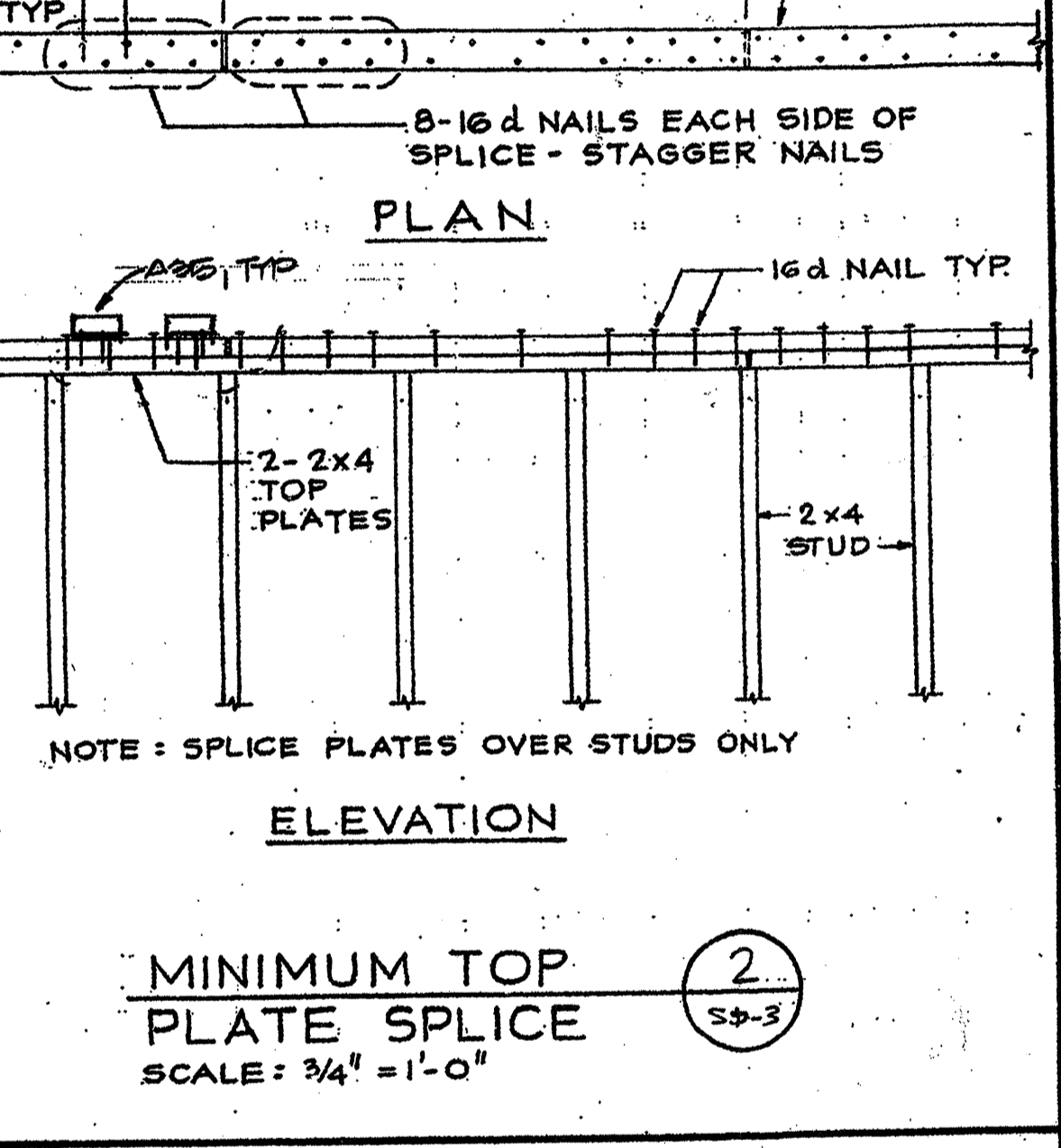
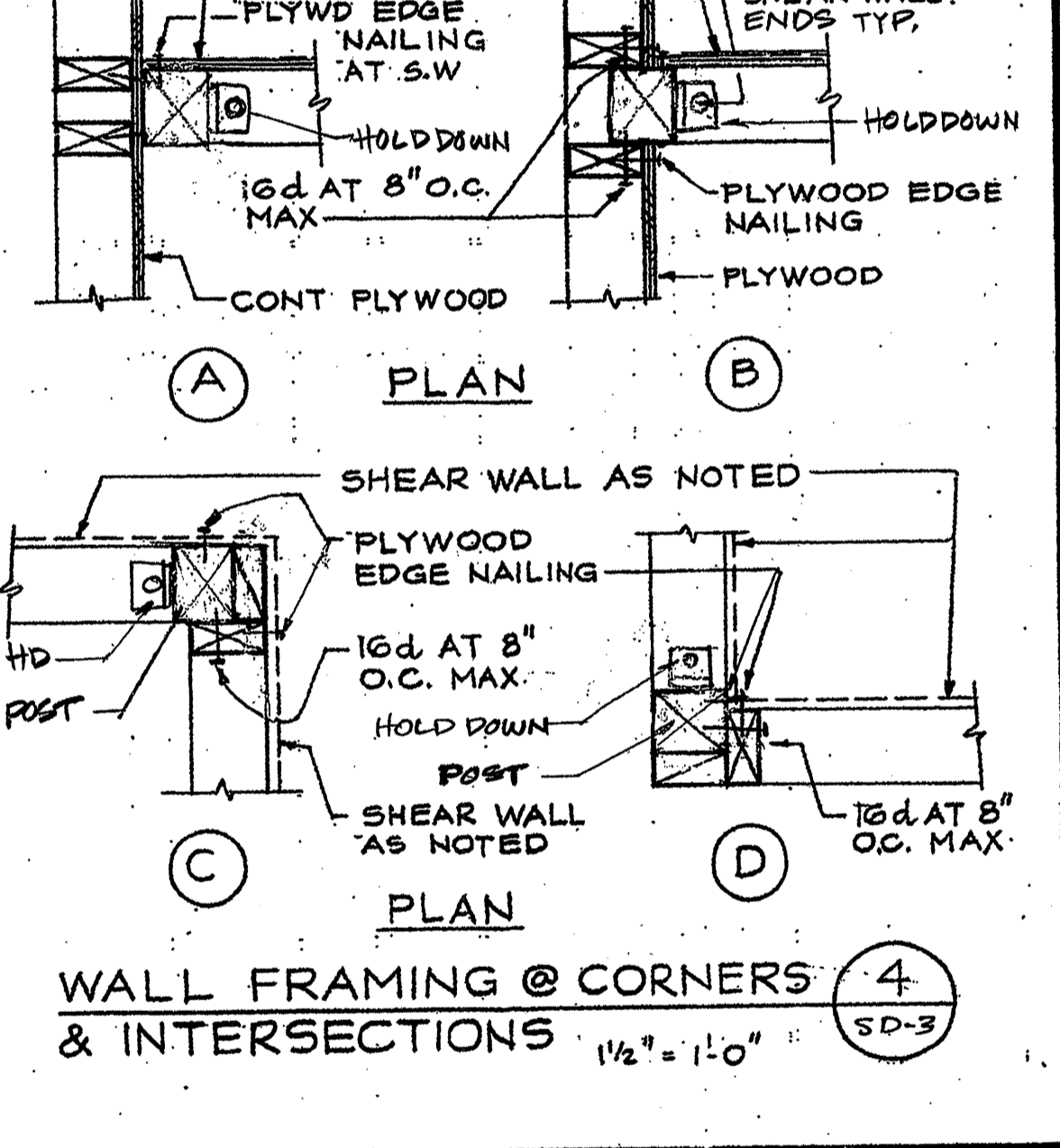
ROOF AT WALL - JOISTS PARALLEL (13) SD-3



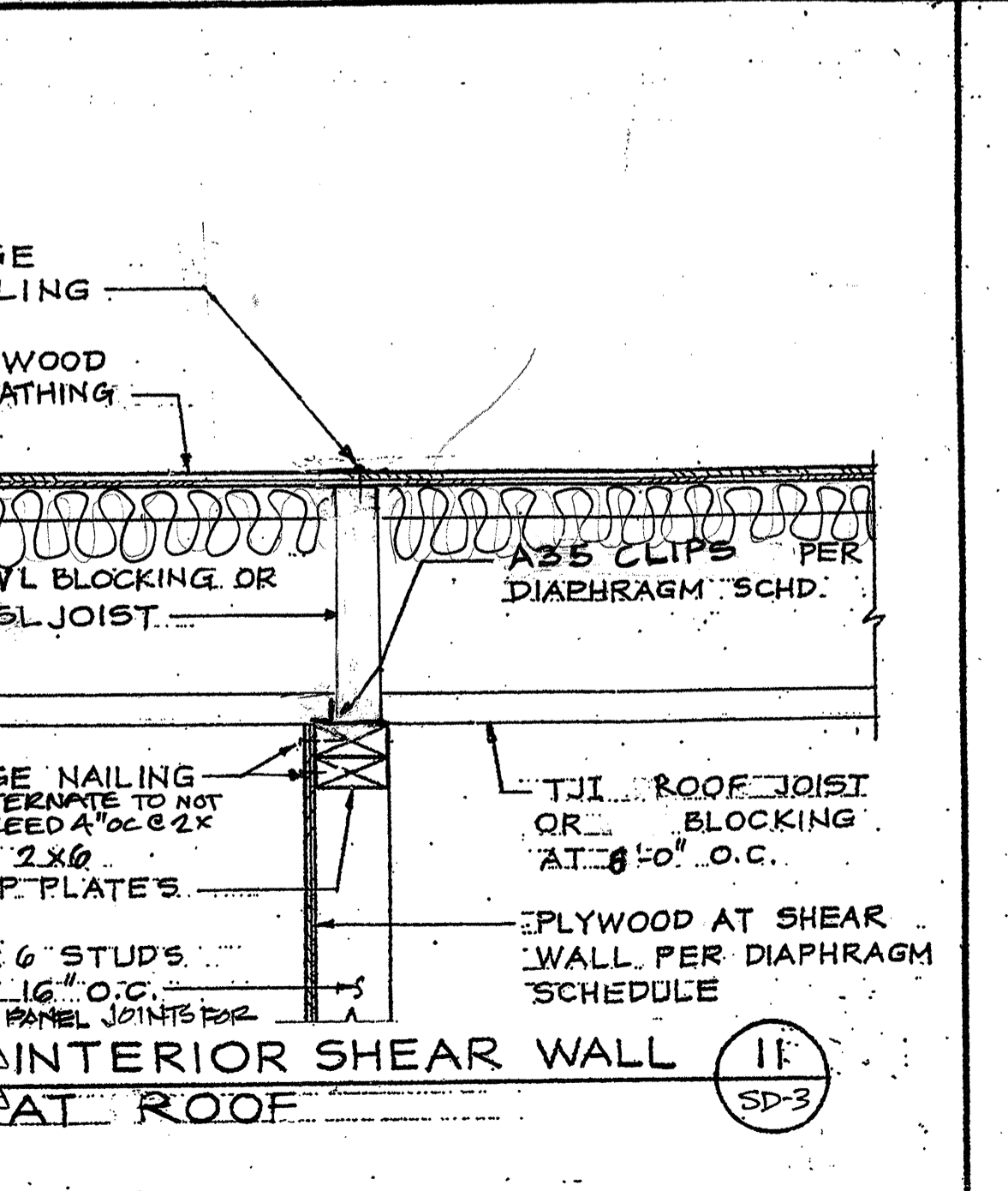
INTERIOR SHEAR WALL AT ROOF (10) SD-3



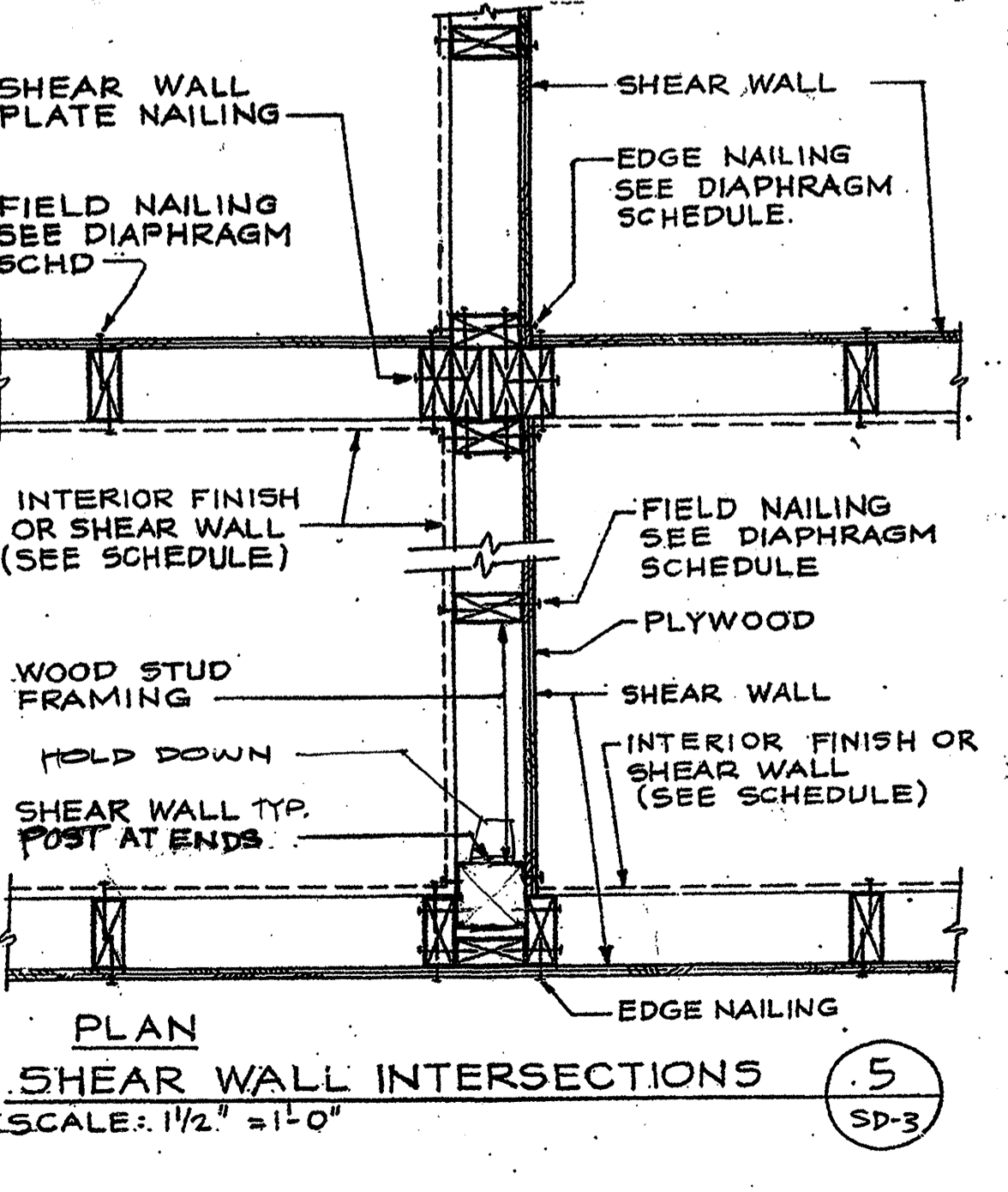
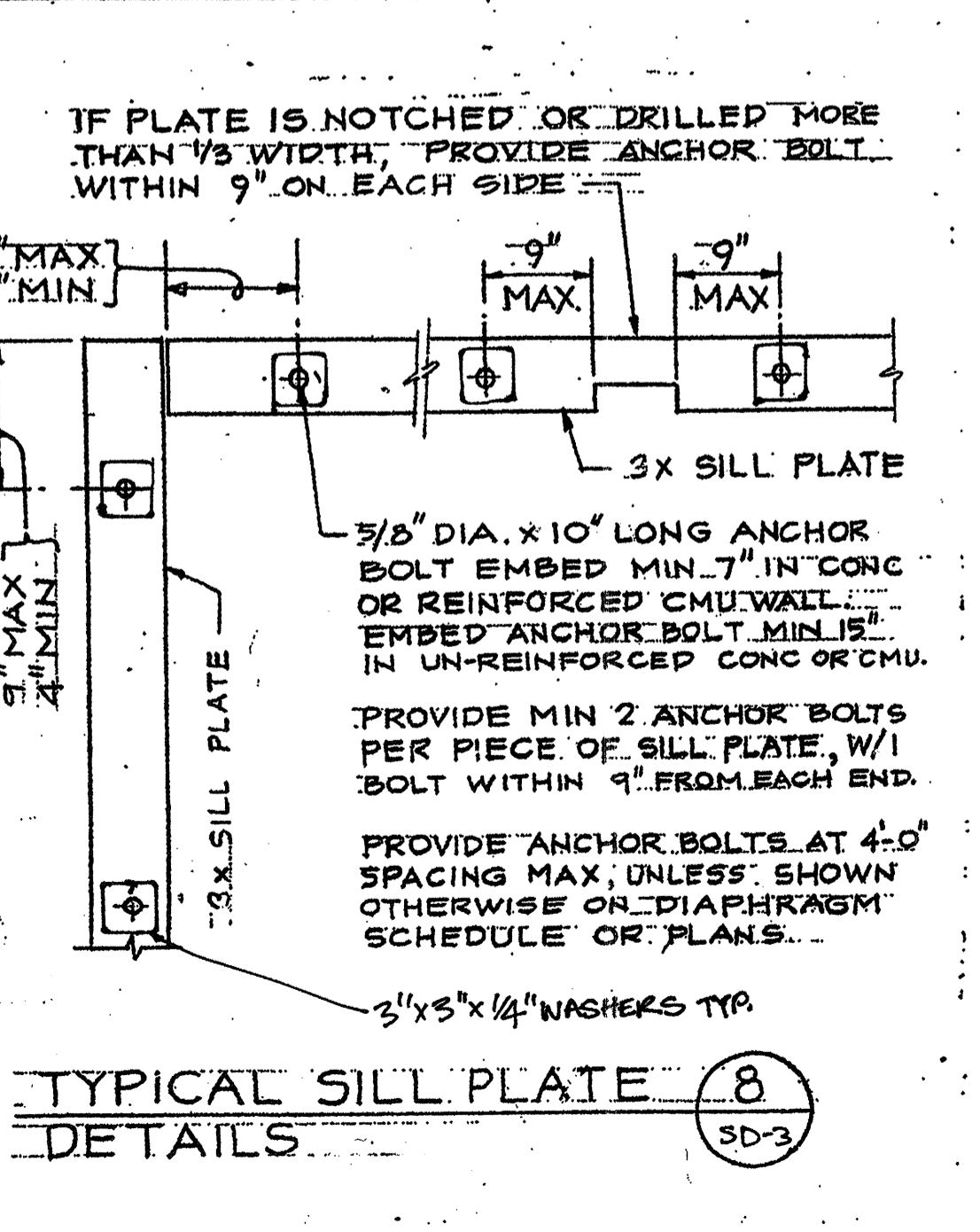
NOTCH AND BORE LIMITS AT TYPICAL FRAMING (7) SD-3



ROOF AT WALL - JOISTS PERPENDICULAR (14) SD-3



INTERIOR SHEAR WALL AT ROOF (11) SD-3



PLYWOOD DIAPHRAGM SCHEDULE

MARK	PLYWOOD	NAILING, CLIP OR A.S. SPACING - INCHES ON CENTER					
		EDGE NAILS	FIELD NAILS	SILL NAILS	A-35 CLIPS	5/8" A.S.	
ROOF TYP	1/2" CDX	10d @ 8	10d @ 12	N/A	24	N/A	
FLOOR TYP	3/4" T&G	10d @ 8	10d @ 10	N/A	16	N/A	
SHEAR WALLS	1	3/8" CDX	8d @ 8	8d @ 12	16d @ 6	24	48
	2	1/2" CDX	10d @ 4	10d @ 10	SDS 1/4" @ 8	18	32
	3	1/2" CDX	10d @ 5	8d @ 8	SDS 1/4" @ 8	12	16

* AT SILL PLATE & PLYWOOD PANEL JOINTS, PROVIDE 3x MEMBER MIN.

Exterior and bearing walls to have 5/8" dia. galv. Anchor bolts at 48" on center with 3"x3"x1/4" washers (u.n.o.)

NOTE: PROVIDE 5/8 INCH DIAMETER ANCHOR BOLTS (A.S.), 1/2 INCHES LONG WITH 7 INCHES MINIMUM EMBEDMENT, UNLESS NOTED OTHERWISE ON FOUNDATION PLAN. PROVIDE SPACING PER ABOVE SCHEDULE. USE PLATE W/ASER 3"x3"x1/4" AT ALL ANCHOR BOLTS (GALV).

REVISIONS

NO.	DATE	BY

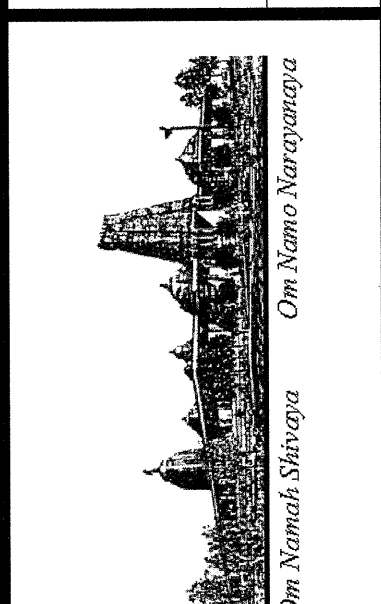
NEW BUILDING "C" - PHASE 1B
HINDU COMMUNITY and CULTURAL CENTER
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

STRUCTURAL FRAMING DETAILS

GOVINDARAO

Date: 5-24-10
Scale: 1/2" = 1'-0", UN
Drawn:
Job: ARROWHEAD
Sheet: **SD-3B**
Of: Sheets

REVISIONS	BY
05-24-10	HCCC
07-30-10	HCCC
12-01-10	HCCC



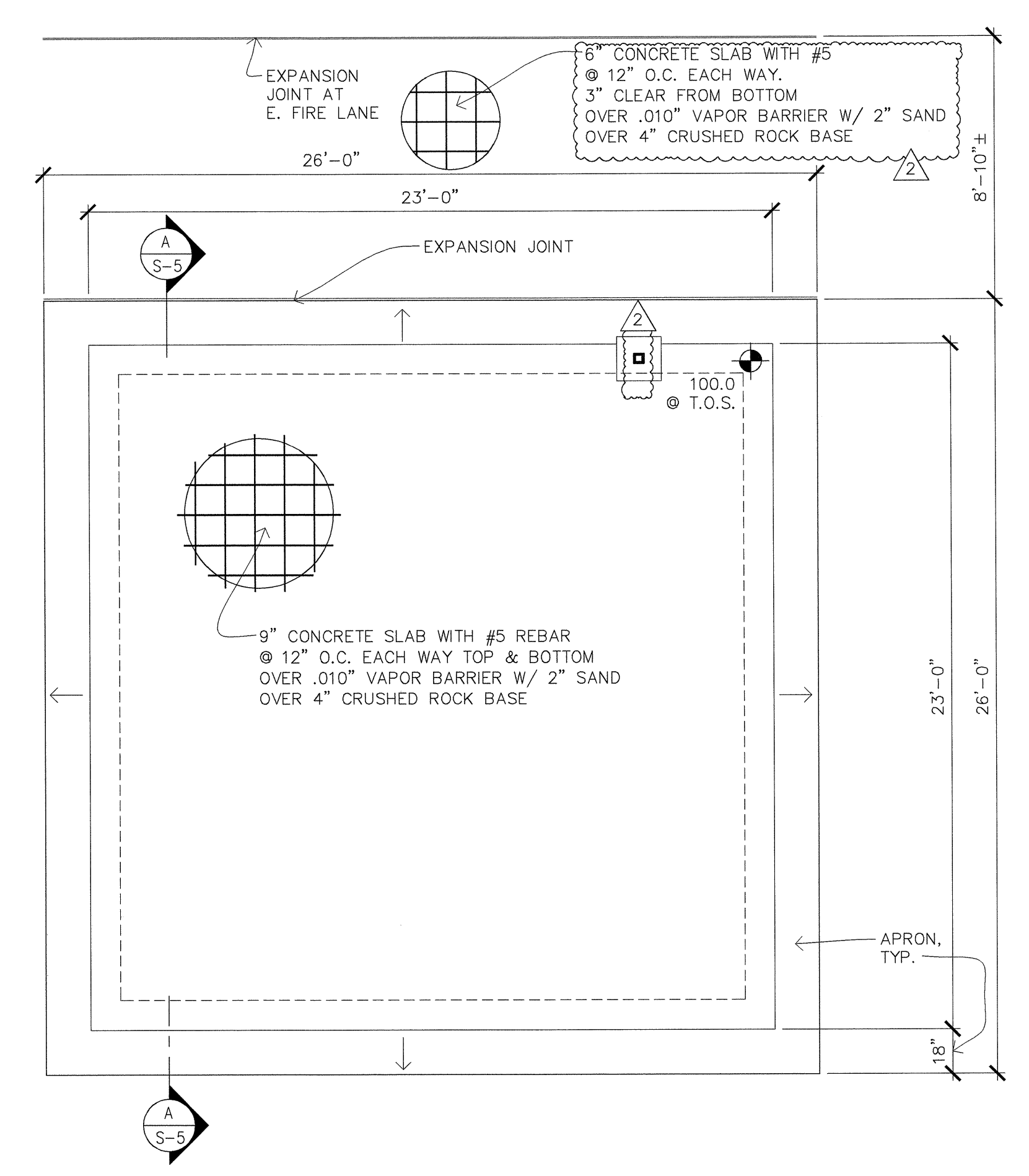
HINDU COMMUNITY and CULTURAL CENTER
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

PHASE 1-B
TRASH ENCLOSURE
PLANS, SECTION & ELEVATIONS

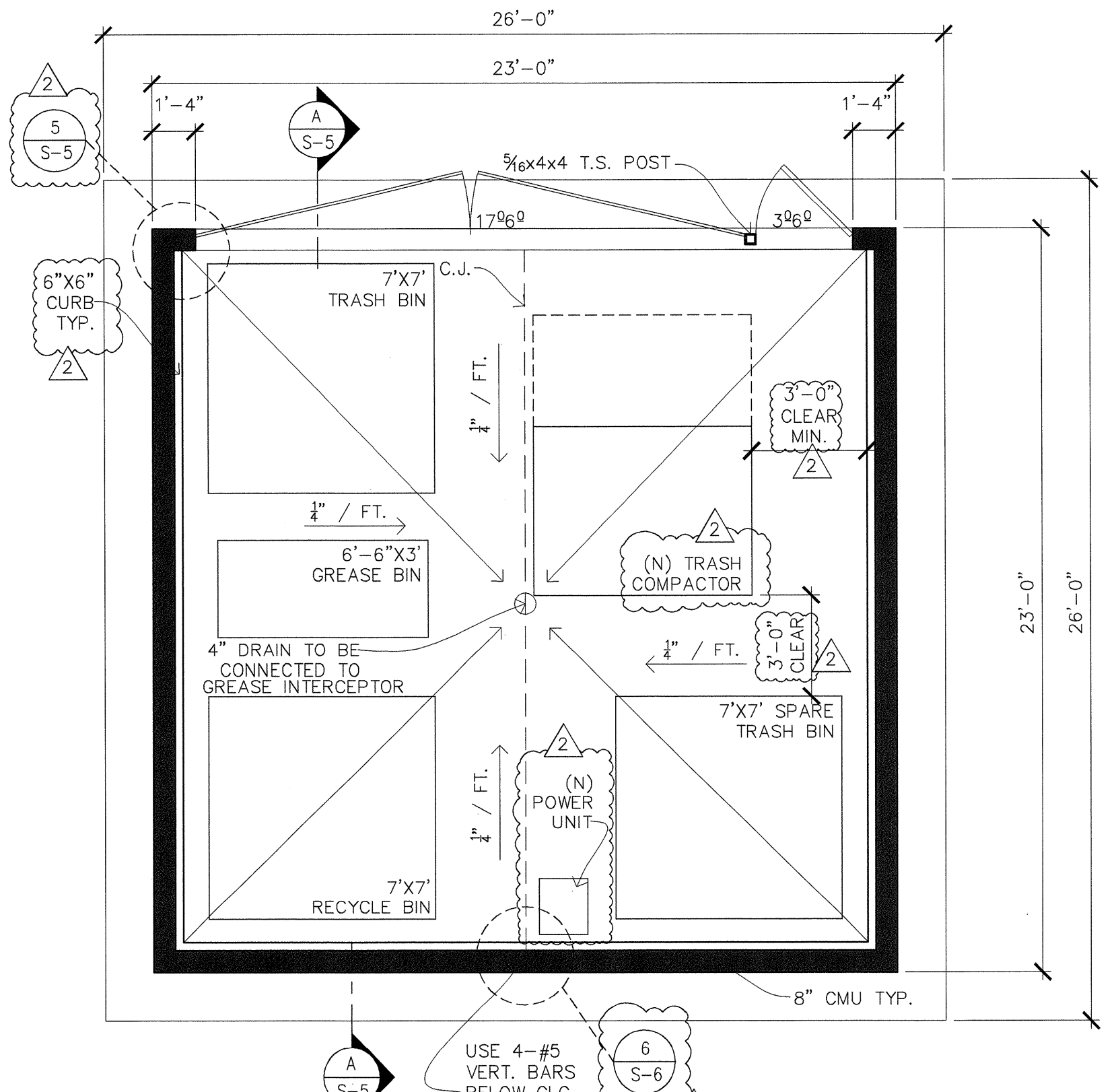
DATE: 03/12/10
SCALE: 1/8"=1'-0"
DRAWN BY: BRG
PROJECT: ARROWHEAD

S-5

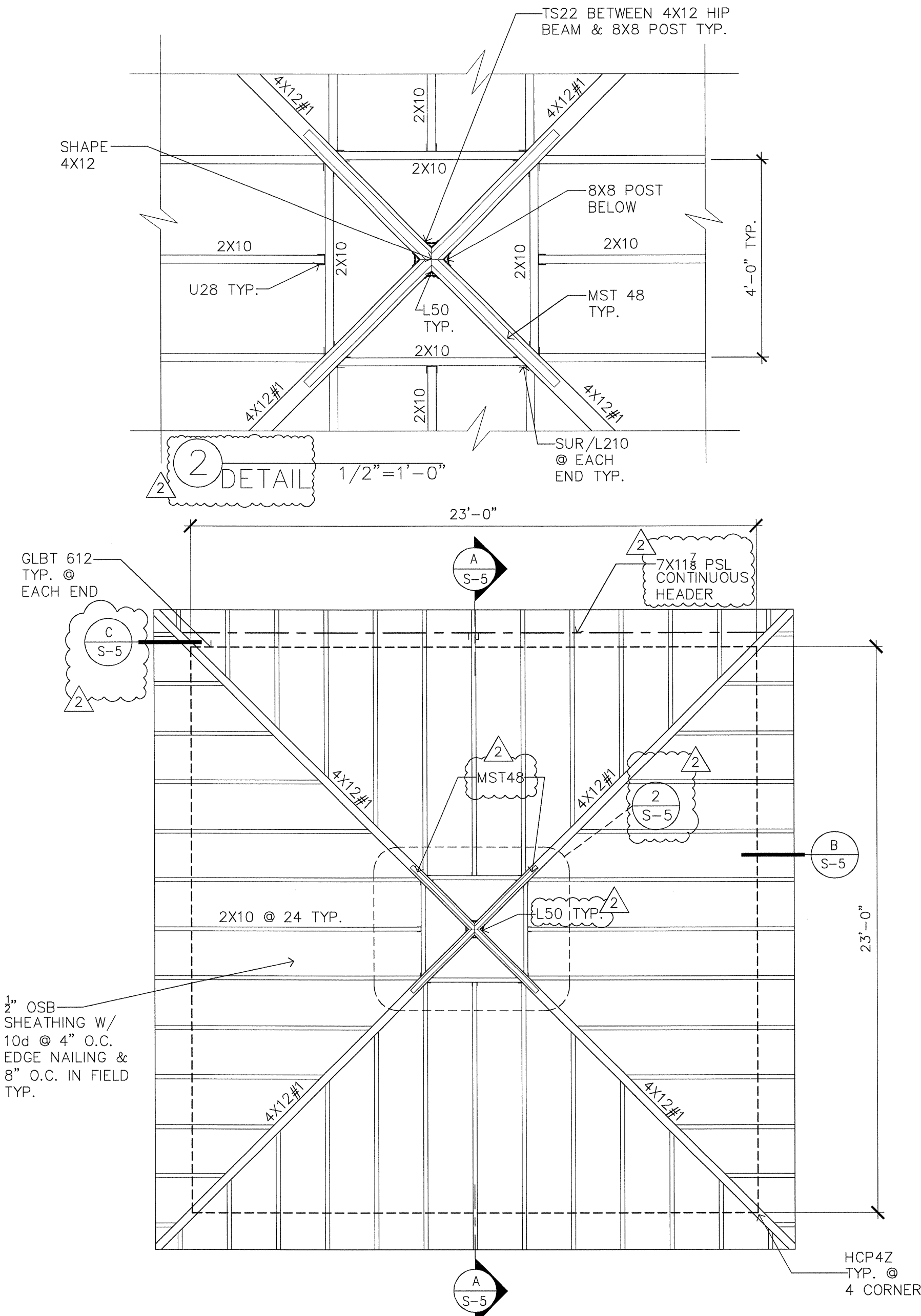
- NOTES:**
- SEE SHEET S-6 FOR TRASH ENCLOSURE CEILING FRAMING PLAN.
 - FLOOR DRAIN TO BE CONNECTED TO THE GREASE INTERCEPTOR PRIOR TO CONNECTING TO THE SITE SANITARY SEWER SYSTEM. REFER TO SHEET P10.1B & P12.0B.



TRASH ENCLOSURE FOUNDATION PLAN
SCALE: 1/4"=1'-0"

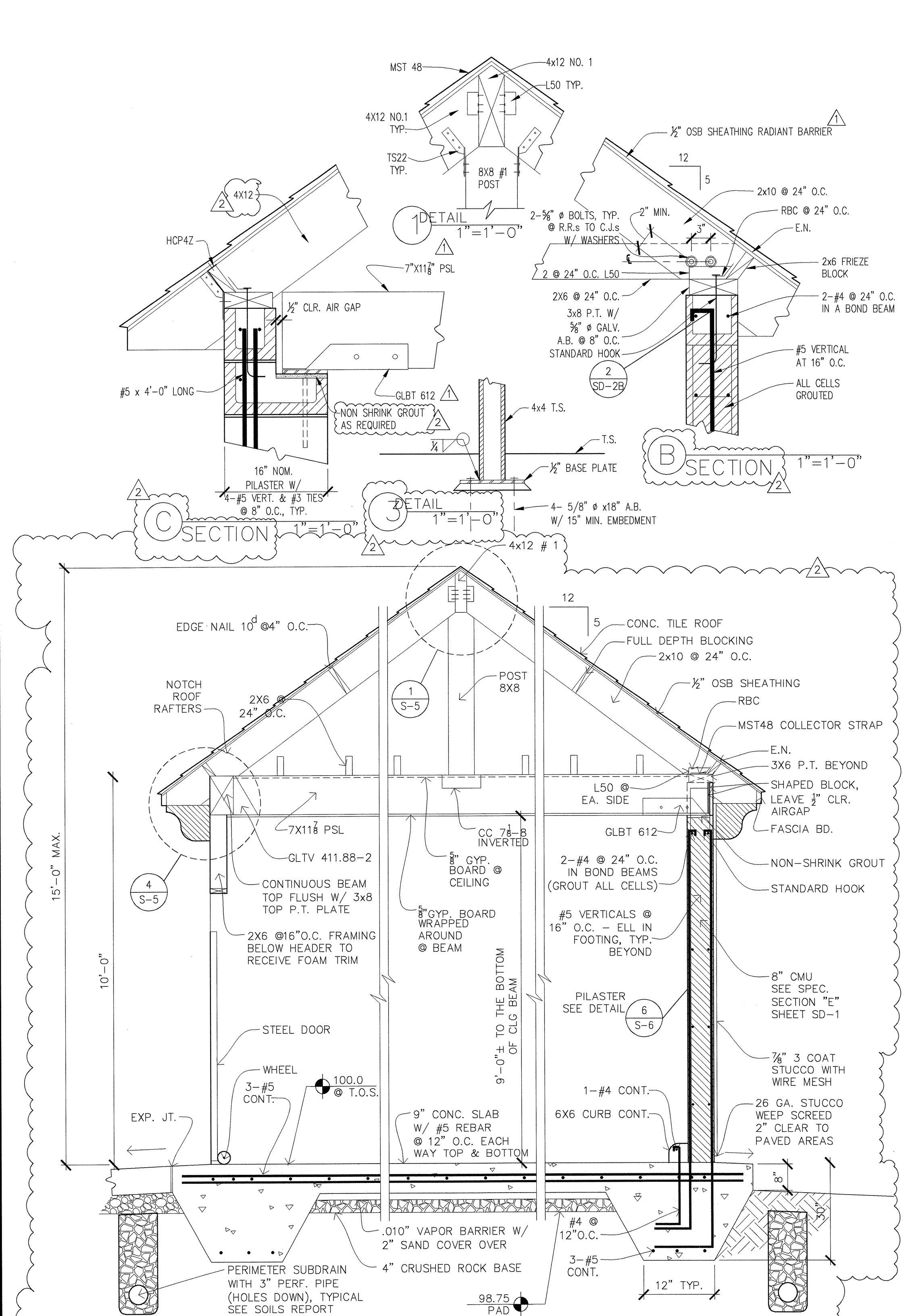


TRASH ENCLOSURE PLAN
SCALE: 1/4"=1'-0"

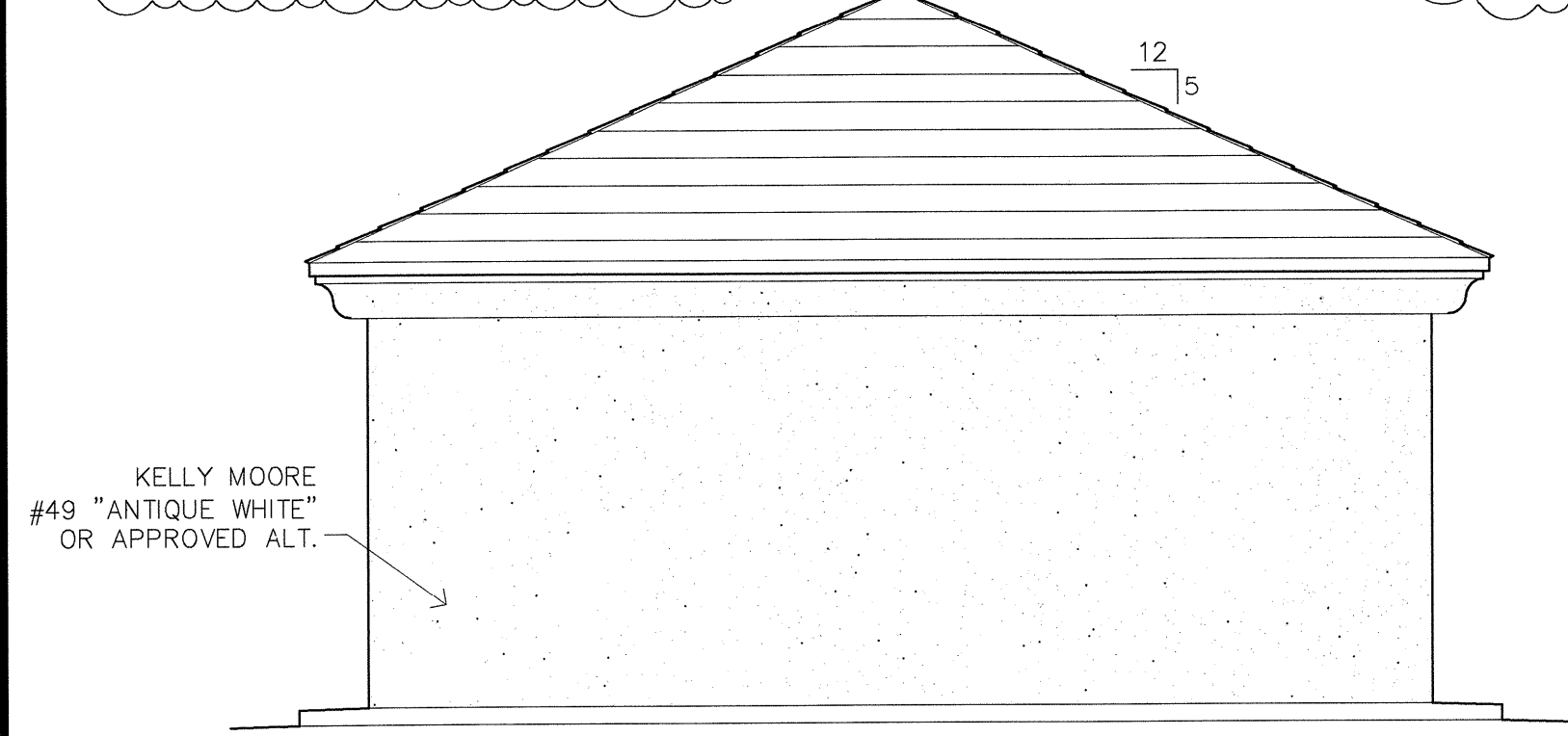


TRASH ENCLOSURE ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

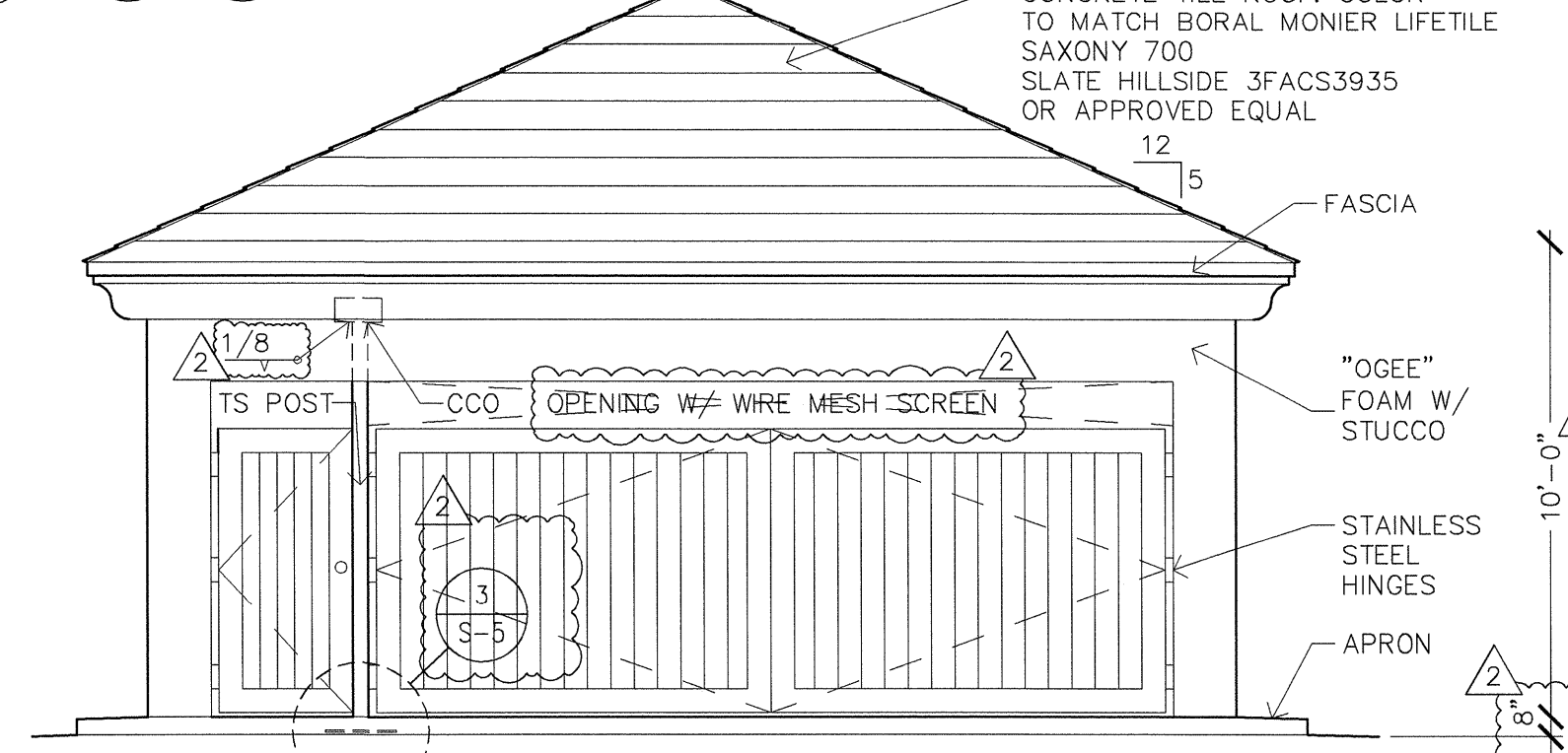
- NOTES:**
- Please refer to notes and details on sheets SD-1A to SD-3A.
 - Concrete shall not have less than six sacks of cement per cubic yard of concrete & a slump not to exceed 4" when placed.
 - Soils report No. H-140-01 by Henry Justiniano & Associates, dated August 10, 2009.
 - Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.
 - Exterior building stucco color to match (E) buildings.
 - FINISHES: Floor-Quarry Tiles, Walls-Ceramic Tiles upto ceiling height, Ceiling-Cyp. Board painted w/ washable oil paint.
 - Interior walls shall be durable, sealed w/ waterproof finish.
 - Provide Hot & Cold water connection w/ hose bib.



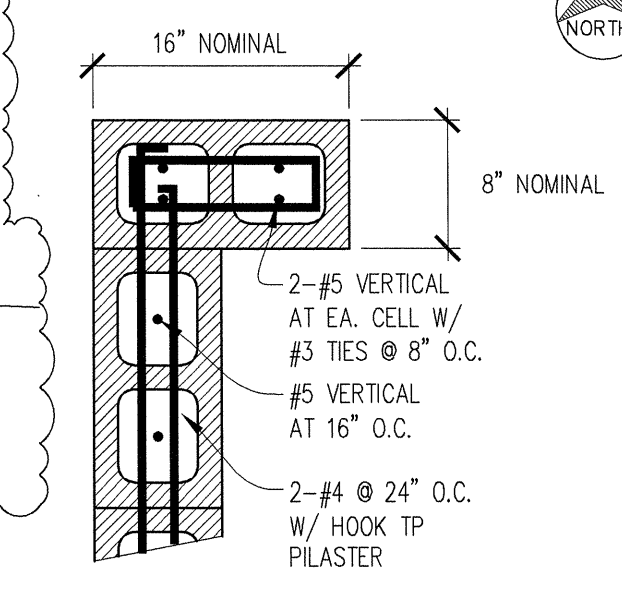
TRASH ENCLOSURE SECTION A
SCALE: 1/4"=1'-0"



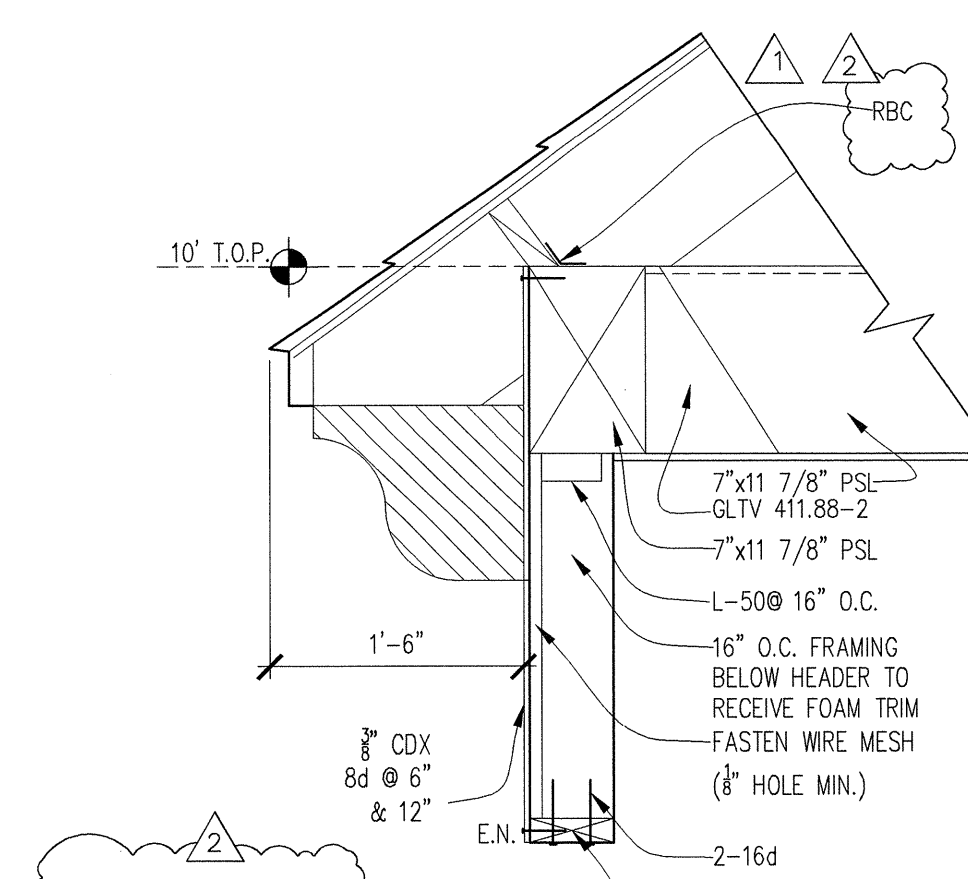
TRASH ENCLOSURE TYPICAL ELEVATION
SCALE: 1/4"=1'-0"



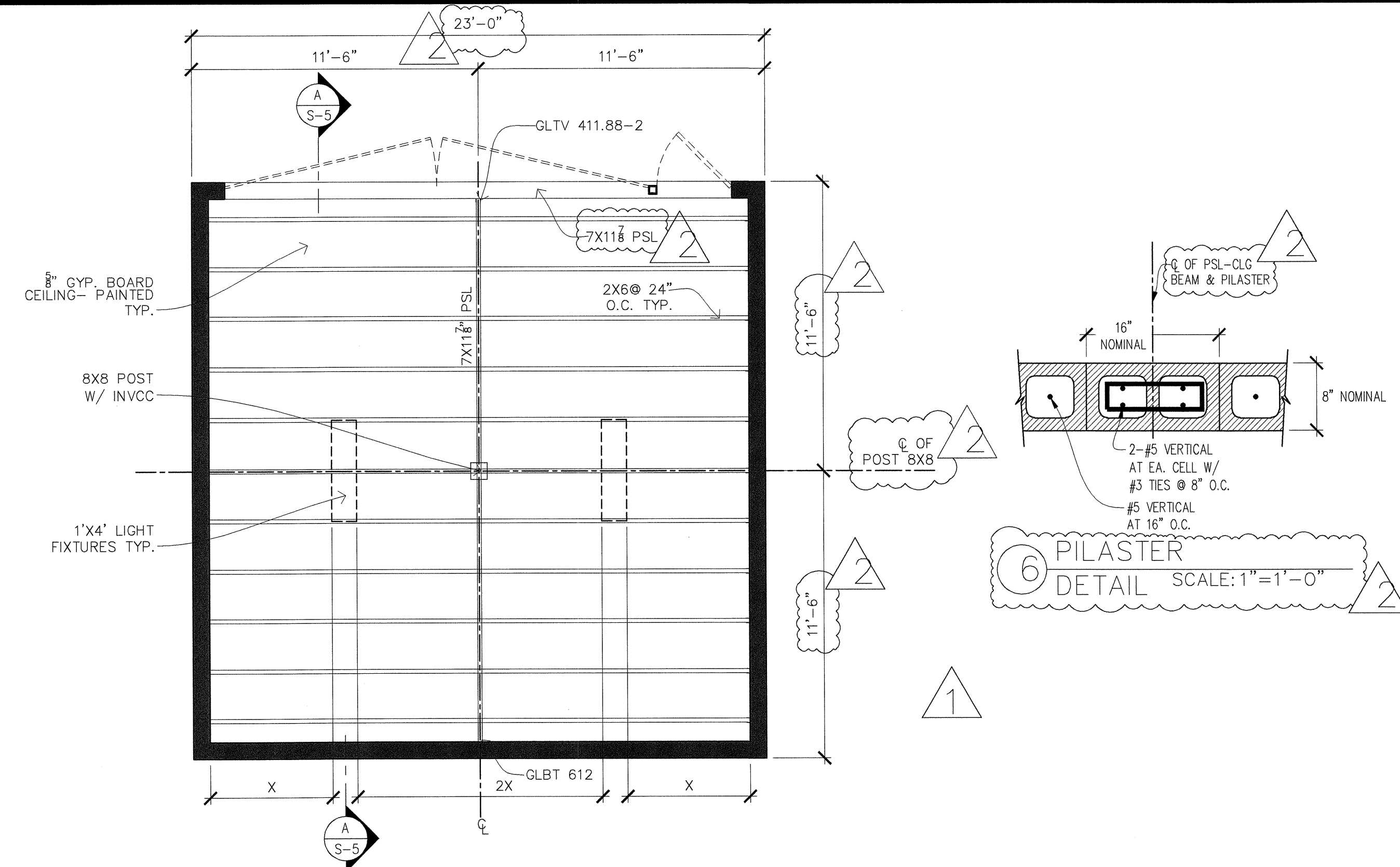
TRASH ENCLOSURE NORTH ELEVATION
SCALE: 1/4"=1'-0"



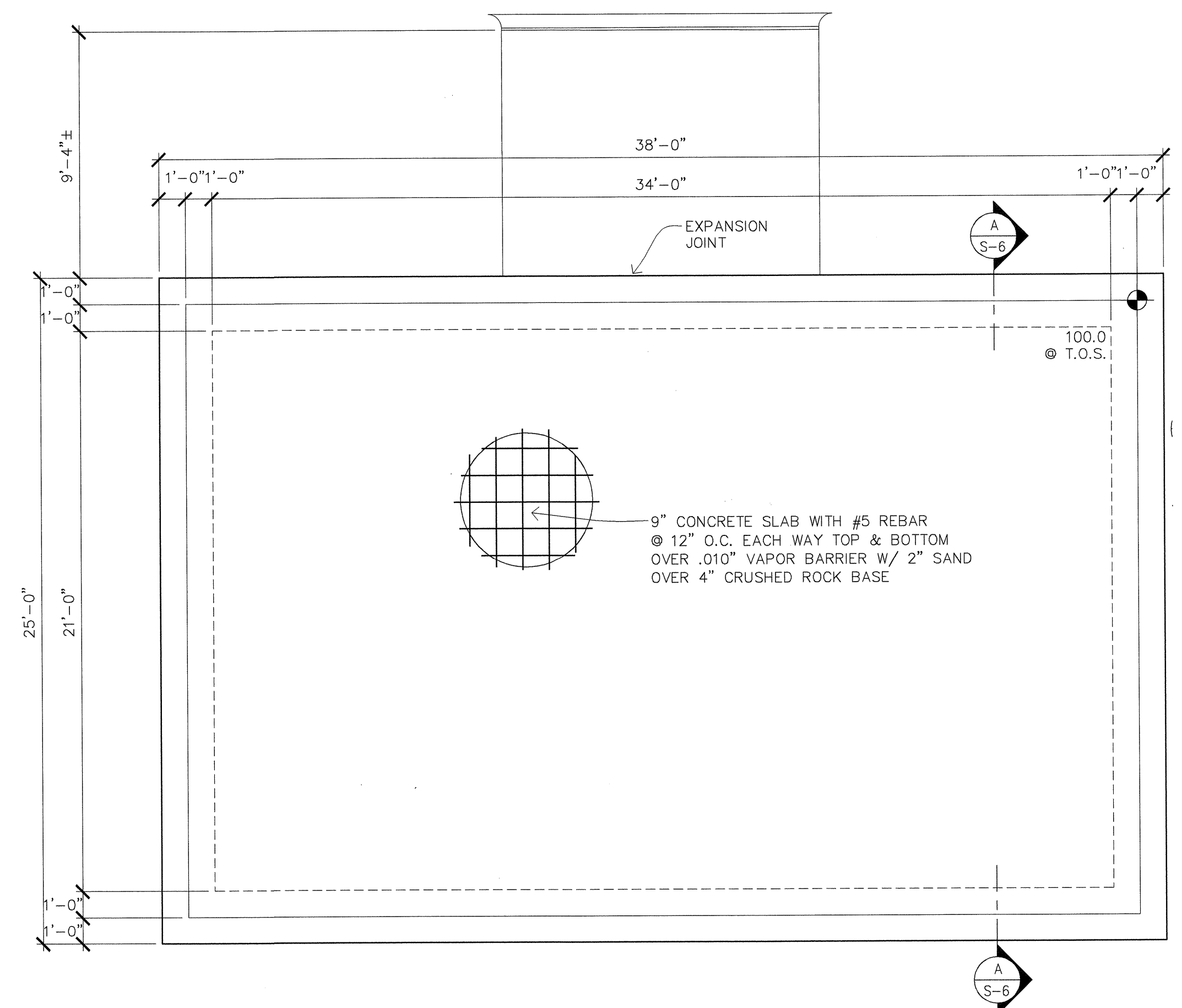
5 DETAIL
SCALE: 1"=1'-0"



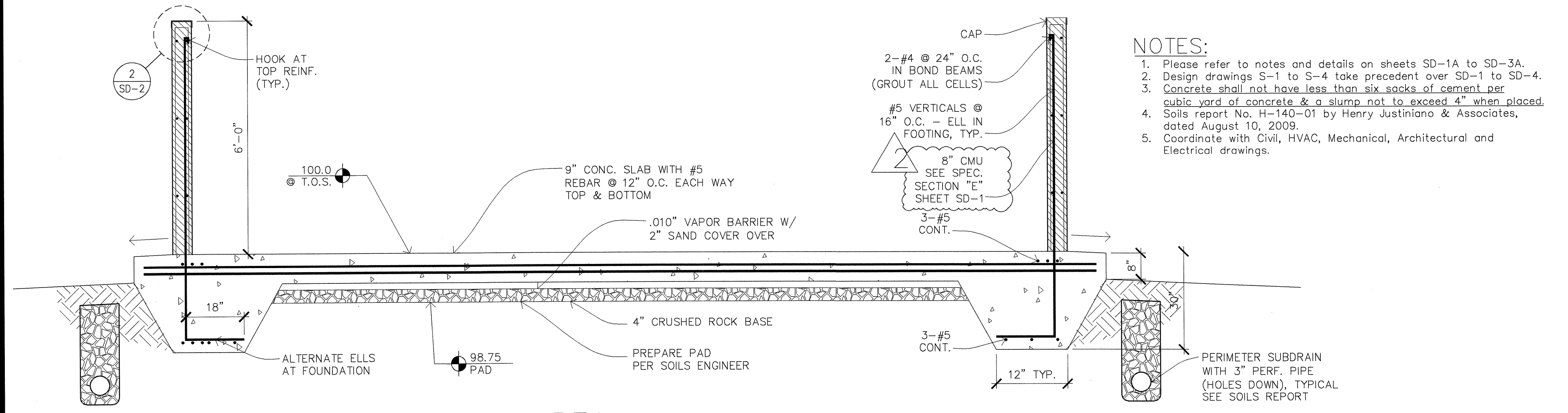
4 DETAIL
SCALE: 1"=1'-0"



TRASH ENCLOSURE CEILING FRAMING PLAN
 SCALE: 1/4"=1'-0"
 NOTE: SEE SHEET S-5 FOR TRASH ENCLOSURE DETAILS.

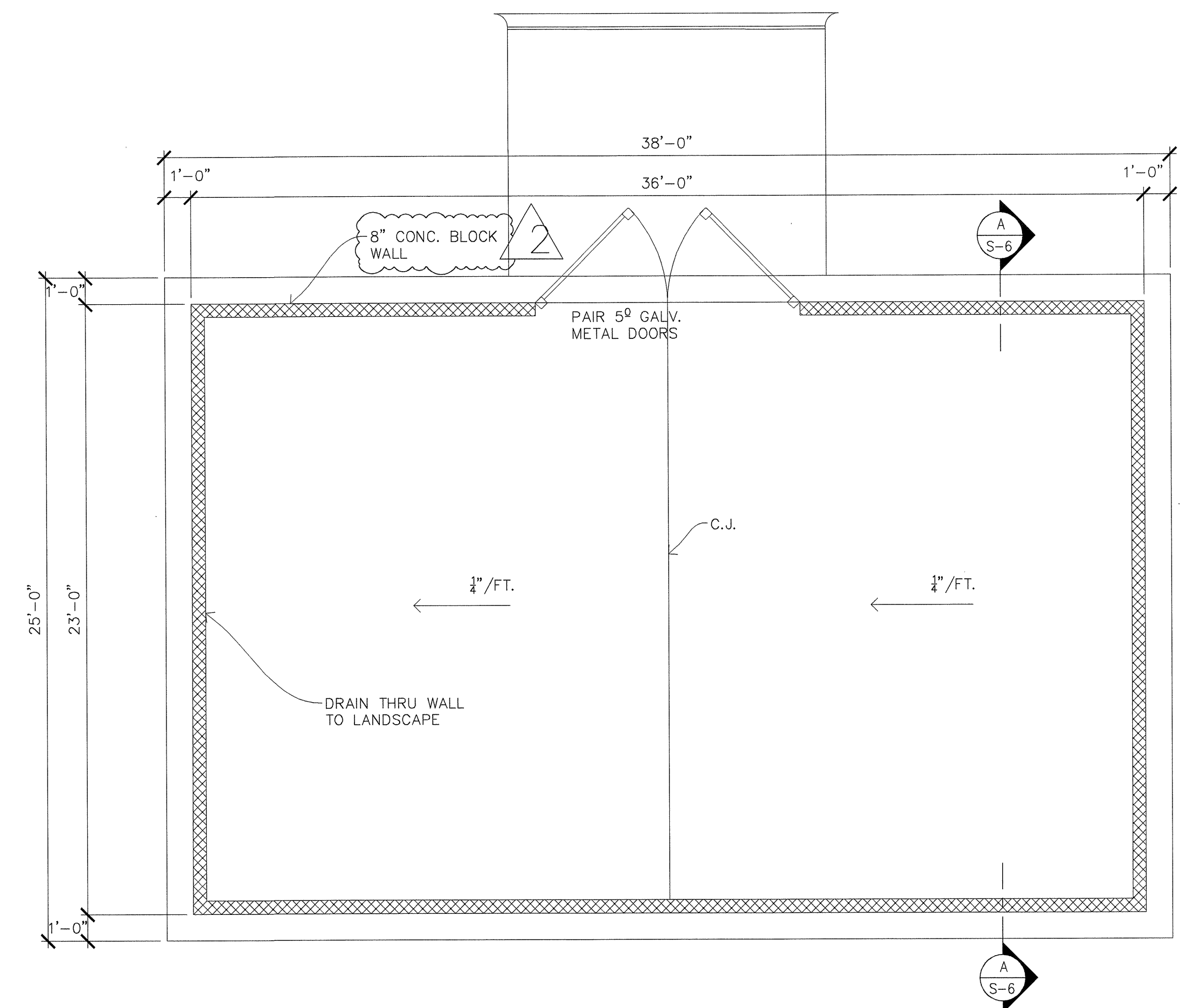
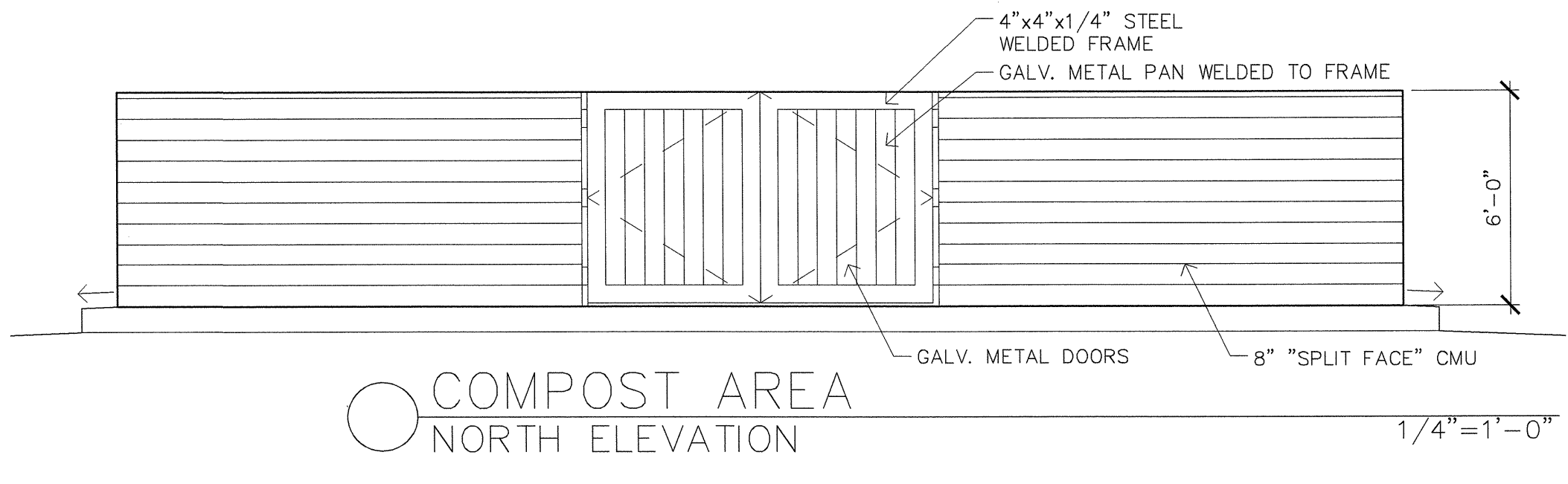
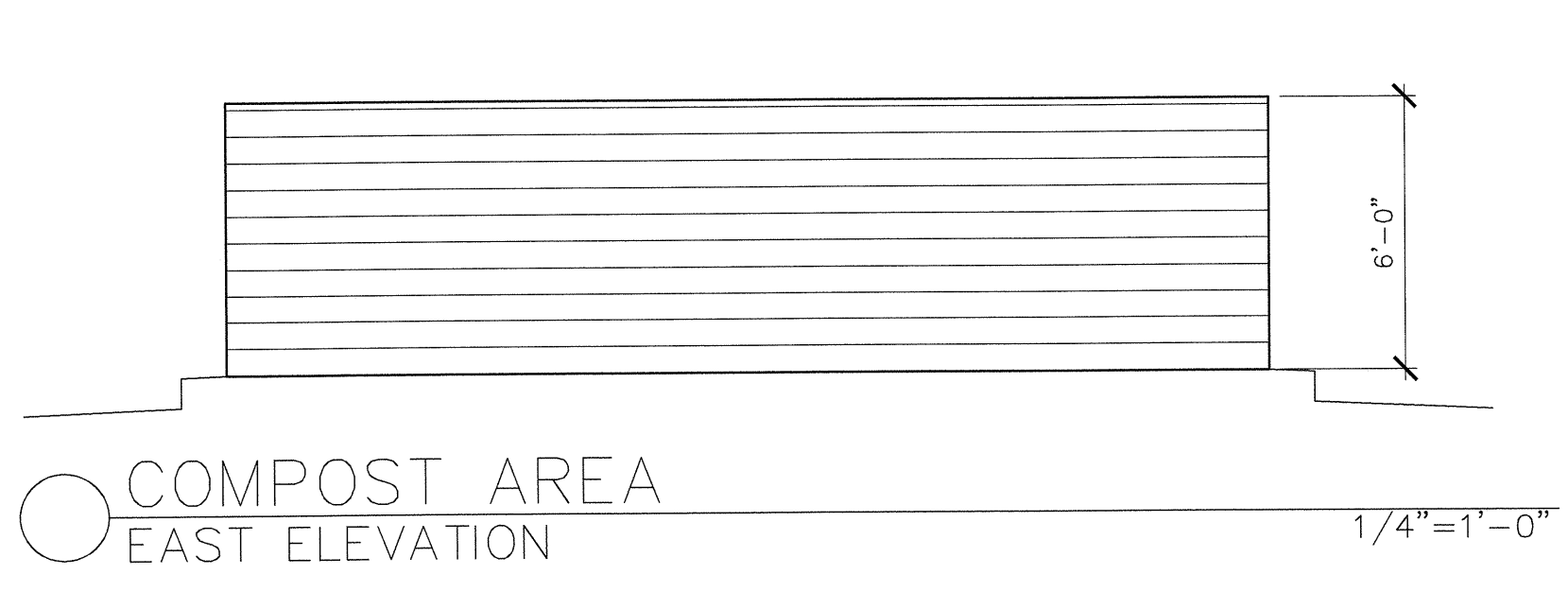
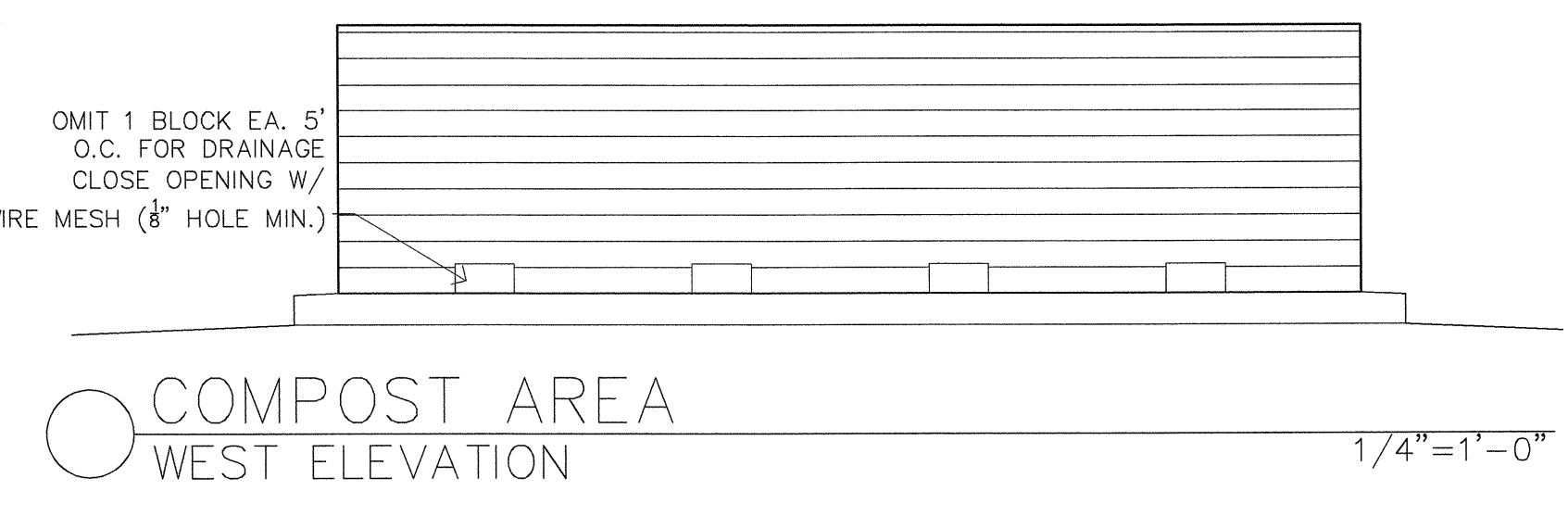
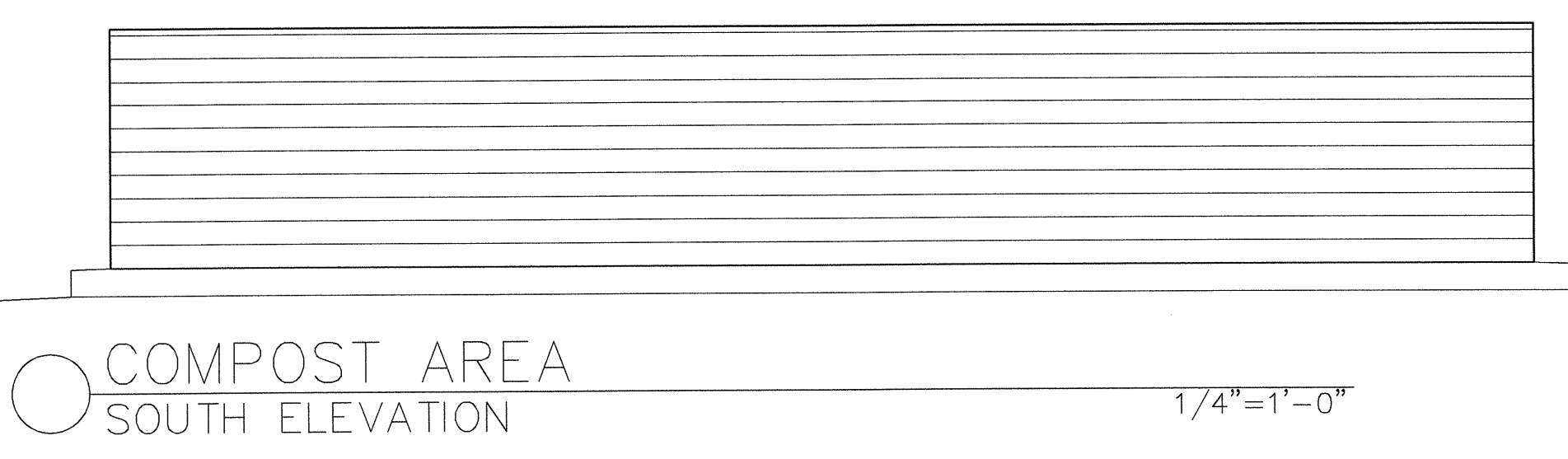


COMPOST AREA FOUNDATION PLAN
 SCALE: 1/4"=1'-0"



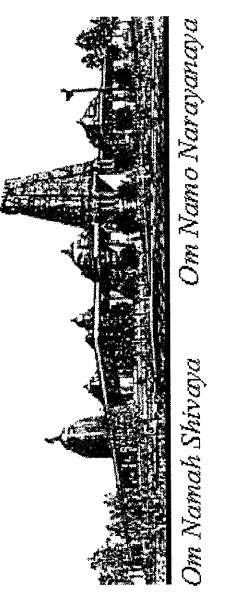
- NOTES:
- Please refer to notes and details on sheets SD-1A to SD-3A.
 - Design drawings S-1 to S-4 take precedent over SD-1 to SD-4.
 - Concrete shall not have less than six sacks of cement per cubic yard of concrete & a slump not to exceed 4" when placed.
 - Soils report No. H-140-01 by Henry Justiniano & Associates, dated August 10, 2009.
 - Coordinate with Civil, HVAC, Mechanical, Architectural and Electrical drawings.

SECTION A AT COMPOST AREA
 1/2"=1'-0"
 (100.0 CORRESPONDS W/ 520.0 ON CIVIL DRAWINGS)



COMPOST AREA PLAN
 SCALE: 1/4"=1'-0"
 GRAPHIC SCALE: 1/4"=1'-0"

REVISIONS	BY
05-24-10	HCCC
07-30-10	HCCC
12-01-10	HCCC



HINDU COMMUNITY and CULTURAL CENTER
 1200 ARROWHEAD AVE. LIVERMORE, CA 94551

PHASE 1-B
 COMPOST AREA
 SECTION & ELEVATIONS
 & TRASH ENCLOSURE
 CEILING FRAMING PLAN

DATE: 03/12/10
 SCALE: 1/8"=1'-0"
 DRAWN BY: BRG
 PROJECT: ARROWHEAD

S-6