

**GENERAL STRUCTURAL NOTES**

THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE SHOWN OR SPECIFIED.

VERIFY EXISTING CONDITIONS AND PROPOSED DIMENSIONS AT JOB SITE AND COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BEFORE SUBMITTING BID OR COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND UNTIL THEY ARE RESOLVED, DO NOT PROCEED WITH AFFECTED WORK. DO NOT SCALE DRAWINGS. IF CERTAIN DETAILS ARE NOT FULLY SHOWN OR DETAILED ON DRAWINGS OR CALLED FOR IN SPECIFICATIONS, CONSTRUCT TO SAME SIZE AND CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN, DETAILED OR SPECIFIED.

**DESIGN BASIS**

INTERNATIONAL BUILDING CODE, 2006 EDITION, CALIFORNIA BUILDING CODE, 2007 EDITION, SANTA MONICA BUILDING CODE, 2008 EDITION & AMENDMENTS  
 LOADS: STUDIO CEILING LIVE LOAD = 10 PSF  
 OFFICE CEILING LIVE LOAD = 40 PSF  
 STUDIO CEILING DEAD LOAD = 17 PSF  
 OFFICE CEILING DEAD LOAD = 13 PSF  
 MAXIMUM SERVER LOAD (TOTAL WEIGHT OVER AREA SPECIFIED ON PLAN) = 5200#  
 LATERAL LOADS = (AS DEFINED IN THE CODE)  
 WIND:  $P = Q_h[(GCP_f) - (GCP_s)] (18psf @ TRASH ENCLOSURE; 21PSF @ MECHANICAL SCREEN)$   
 SEISMIC: SITE CLASS = D, SEISMIC DESIGN CATEGORY = D,  
 $S_s = 1.82, S_1 = 0.61, S_{0s} = 1.215, S_{01} = 0.61, I = 1, R = 6.5,$   
 $\rho = 1.3, C_s = 0.187, W = 21 KIP, V = C_s W = 3.9 KIP,$   
 $F_p \text{ FOR C.B. RETROFIT} = 0.972W_p, W_p = 924 PLF$

CONSTRUCT IN CONFORMANCE WITH THE BUILDING CODE, ALL APPLICABLE ORDINANCES AND REQUIREMENTS, THE CONSTRUCTION DOCUMENTS AND THESE NOTES.

**EARTH WORK AND FOUNDATION**

PRIOR TO COMMENCING EXCAVATION, TAKE SUCH STEPS AS ARE NECESSARY TO SHORE AND BRACE ADEQUATELY AND SAFELY ALL ADJACENT SOILS OR STREETS SO AS NOT TO UNDERMINE THEM OR REMOVE THEIR LATERAL SUPPORT. PROVIDE FULL LATERAL SUPPORT TO ADJACENT SOILS DURING EXCAVATION AND UNTIL SUCH TIME AS NEW FOOTINGS ARE CAST. LEAVE SHORING AND BRACING IN PLACE UNTIL THE NEW CONSTRUCTION CAN PROVIDE ADEQUATE AND SAFE SUPPORT BOTH VERTICALLY AND LATERALLY. ADEQUATE AND PROPER SHORING BRACING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CAST FOOTINGS DIRECTLY AGAINST NEATLY TRENCHED EXCAVATIONS AND UPON UNDISTURBED NATURAL SOIL. IF TRENCHES CANNOT STAND, FULLY FORM SIDES OF FOOTINGS TO DIMENSIONS SHOWN. DO NOT ALLOW WATER TO STAND IN TRENCHES. PUMP OUT ANY STANDING WATER. PLACE NO CONCRETE UNTIL EXCAVATIONS ARE DEWATERED, INSPECTED AND APPROVED AND UNTIL ALL REINFORCING STEEL AND OTHER INSERTS ARE SECURELY INSTALLED.

ALLOWABLE SOIL BRG. PRESSURE = 1,500 PSF (PER CODE)

**CONCRETE**

ACCURATELY INSTALL ALL INSERTS, BOLTS, ANCHORS, AND REINFORCING AND SECURELY TIE IN PLACE PRIOR TO PLACING CONCRETE. LOCATE CONSTRUCTION JOINTS SO AS TO MINIMIZE AND TO IMPAIR LEAST THE STRENGTH OF THE STRUCTURE. ROUGHEN HORIZONTAL AND VERTICAL CONSTRUCTION JOINT SURFACES WHILE STILL GREEN, CLEANING THEM OF LAITANCE, LOOSE AGGREGATE AND DEBRIS BEFORE PROCEEDING WITH NEXT POUR. ALL CONCRETE AND GROUT TO DEVELOP 2,500 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, EXCEPT C.I.P. PILES AND GRADE BMS, WHERE NOTED ON PLANS WHICH ARE TO DEVELOP 3,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, U.O.N. CONTINUOUS INSPECTION REQUIRED.

**REINFORCED CONCRETE BLOCK**

REINFORCE ALL WALLS WITH HORIZONTAL AND VERTICAL REINFORCING AT CENTER OF WALL, UNLESS OTHERWISE SHOWN. GROUT ALL WALLS CONTINUOUSLY FULL HEIGHT AND LENGTH, UNLESS OTHERWISE SHOWN. SANDBLAST SURFACES ON WHICH BLOCKS ARE TO BE LAID. CONCRETE MASONRY UNITS TO CONFORM TO ASTM C90, LIGHTWEIGHT BLOCK, WITH TYPE S MORTAR,  $f_m = 1,500 \text{ PSI}$ .

**REINFORCING STEEL**

REINFORCE ALL CONCRETE AND CONCRETE BLOCK. ALL REINFORCING STEEL TO BE NEW DEFORMED BARS ASTM A-615, GRADE 60, IN AS LONG LENGTHS AS PRACTICABLE OR AS DETAILED. LAP REINFORCING NOT LESS THAN 48 BAR DIAMETERS (1'-6" MINIMUM) AT SPLICES AND CORNERS, UNLESS OTHERWISE SHOWN, MAINTAIN COVERAGE TO FACE OF BAR AS FOLLOWS:

- 3 INCHES WHERE CONCRETE IS DEPOSITED AGAINST EARTH,
- 2 INCHES WHERE CONCRETE IS EXPOSED TO EARTH OR WEATHER, BUT FORMED AT MID-DEPTH OF SLABS ON GRADE.

CONFORM WITH "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" ACI-315 LATEST EDITION UNLESS OTHERWISE SHOWN. DOWEL VERTICAL REINFORCING IN WALLS TO FOOTINGS WITH BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

**WELDING OF REINFORCING STEEL**

FIELD WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY WELDERS SPECIFICALLY CERTIFIED FOR REINFORCING STEEL. PRIOR TO WELDING, THE "CARBON EQUIVALENT" (CE) OF STEEL SHALL BE DETERMINED. REINFORCING STEEL WHOSE "CE" CANNOT BE IDENTIFIED OR WHOSE "CE" EXCEEDS 0.75% SHALL NOT BE WELDED. EXCEPT FOR REINFORCING STEEL CONFORMING TO ASTM A-706, REINFORCING STEEL SHALL BE PREHEATED AS SHOWN IN TABLE 1, RGA 3-77. IN ADDITION, STEEL WHICH "CE" IS BETWEEN 0.66% AND 0.75% SHALL BE WELDED ONLY WHEN PRIOR QUALIFICATION TESTS VERIFY ACCEPTABLE WELDABILITY. SPECIAL INSPECTION REQUIRED.

**MISCELLANEOUS STRUCTURAL STEEL**

SHAPES, PLATES, & BARS: ASTM A-36  
 W-SHAPES: ASTM A-992  
 PIPE: ASTM A-53 GRADE B  
 TUBES: ASTM A-500 GRADE B OR C  
 MACHINE BOLTS: ASTM A-307

DETAILS OF WORKMANSHIP TO CONFORM TO AISC SPECIFICATIONS. ALL WELDING TO CONFORM TO AWS SPECIFICATIONS. ALL BUTT WELDS TO BE FULL PENETRATION WITH BACK-UP PLATES OR BACK-UP WELDS. SUBMIT STEEL DETAILS TO ARCHITECT PRIOR TO FABRICATION. SHOP PAINT AND FIELD TOUCH-UP PAINT PER FEDERAL SPECIFICATION TT-P-86 TYPE II OR TNEMEC #99.

**MINIMUM SIZE OF FILLET WELDS**

Material Thickness of Thicker Part Joined (in.)	Minimum Size of Fillet Weld <sup>a</sup> (in.)
To 1/4 inclusive	1/8
Over 1/4 to 1/2	3/16
Over 1/2 to 3/4	1/4
Over 3/4	5/16

<sup>a</sup>Leg dimension of fillet welds. Single-pass welds must be used.

**LIGHT GAUGE STEEL FRAMING**

LIGHT GAUGE STEEL FRAMING BY DIETRICH PER ICC-ES LEGACY REPORT ER-4784P; LARR 25132

SLOTTED TRACK TO COMPLY w/ ICC-ES REPORT ESR 1042; LARR 25344

STEEL JOISTS OF 16 GA. OR GREATER THICKNESS TO HAVE A YIELD STRENGTH OF 50 KSI

**ROUGH CARPENTRY**

PRESSURE TREAT DOUGLAS FIR SILLS, PLATES AND LEDGERS WHICH ARE AGAINST BLOCK OR CONCRETE WITH AWPA APPROVED PRESERVATIVE. FOR ABOVE GROUND USE A MINIMUM OF 0.25 PRESERVATIVE RETENTION. SET ON A GROUT BED WITH A MINIMUM OF TWO BOLTS PER PIECE. ALL BOLTS TO BE HOT-DIPPED GALVANIZED WITH G-185 RATING. THOROUGHLY GALVANIZE ALL NAILS, BOLTS AND HARDWARE EXPOSED TO WEATHER OR PRESURE TREATED LUMBER. USE UNFINISHED HEXAGONAL HEAD AND NUT MACHINE BOLTS WITH ROUND STEEL WASHERS UNDER HEAD AND NUT WHERE BEARING IS AGAINST WOOD, U.O.N.

TIMBER CONNECTORS INDICATED BY CATALOG NUMBERS ON DRAWING TO BE SIMPSON CO. 'STRONG TIE' GALVANIZED STEEL. NAIL OR BOLT ALL FASTENERS PER MANUFACTURER'S INSTRUCTIONS, WITH ALL NAIL HOLES FILLED.

NAIL ALL FRAMING WITH NEW COMMON WIRE NAILS, WITH MINIMUM NAILING CONFORMING TO BUILDING CODE REQUIREMENTS, UNLESS OTHERWISE SHOWN. IF WOOD TENDS TO SPLIT WITH NAIL SIZE USED, PRE-DRILL HOLES. RETIGHTEN ALL BOLTS PRIOR TO CLOSING JOB. FOR LAG BOLTS, PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIA. AND FULL DIA. FOR SMOOTH SHANK PORTION.

**MINIMUM GRADES FOR SAWN LUMBER AS FOLLOWS:**

- 2x STUDS, D.F. LARCH "STANDARD"
- 4x AND SMALLER, D.F. LARCH "NO. 2", U.O.N. ON DWGS.
- 6x AND LARGER, D.F. LARCH "NO. 1", U.O.N. ON DWGS.

**MINIMUM PW. SHTG. GRADES AS FOLLOWS:**

- ROOF: 1/2" 24/0, APA RATED SHTG., EXP.1
  - FLOOR: 3/4" 40/20, APA RATED SHTG., T. & G., EXP.1
  - 1-1/8" 60/40, APA RATED SHTG., T. & G., EXP.1
  - WALL: 1/2" STRUCT. 1, 32/16, EXP.1
- SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.

**PARALLAM, MICROLAM, & TIMBERSTRAND**

BEAMS INDICATED PSL ARE TO BE PARALLAM, LVL ARE TO BE MICROLAM & LSL ARE TO BE TIMBERSTRAND, ALL MANUFACTURED BY TRUS-JOIST MacMILLAN.

**ABBREVIATION**

A B = ANCHOR BOLT  
 ABT = ABOUT  
 ABV = ABOVE  
 ADD = ADDITIONAL(LY)  
 ADJ = ADJACENT  
 ARCH = ARCHITECTURAL DWGS  
 ALT = ALTERNATE  
 A T R = ALL THREAD ROD

B = BOT = BOTTOM  
 BAL = BALANCE  
 BD = BOARD  
 BLDG = BUILDING  
 BLW = BELOW  
 BM = BEAM  
 B N = BOUNDARY NAILING  
 B O = BOTTOM OF  
 BRG = BEARING  
 BTW = BETWEEN  
 B U = BUILT-UP  
 BTR = BETTER  
 BYD = BEYOND

C = CAMBER  
 C B = CONCRETE BLOCK  
 C C = CENTER TO CENTER  
 C I P = CAST IN PLACE  
 C J = CEILING JOIST  
 CLR = CLEAR  
 CNR = CORNER  
 COL = COLUMN  
 CONC = CONCRETE  
 CONN = CONNECTION  
 CONST = CONSTRUCTION  
 CONT = CONTINUOUS(LY)  
 CT JT = CONTROL JOINT  
 CTR(D) = CENTER(ED)  
 CTSK = COUNTERSINK

D = DIAM = DIAMETER  
 DBL = DOUBLE  
 DET = DETAIL  
 D F = DOUGLAS FIR  
 DIAG = DIAGONAL  
 DIM = DIMENSION  
 DKG = DECKING  
 DO = DITTO  
 DWG = DRAWING  
 DWL = DOWEL

E = EAST  
 (E) = EXIST = EXISTING  
 EA = EACH  
 E D = EDGE DISTANCE  
 E E = EACH END  
 E F = EACH FACE  
 EL = ELEV = ELEVATION  
 ELECT = ELECTRICAL (DWGS)  
 ENGR = ENGINEER  
 EMBD = EMBED(MENT)  
 E N = EDGE NAILING  
 EQ = EQUAL  
 E S = EACH SIDE  
 E W = EACH WAY  
 E-W = EAST WEST  
 EXP = EXPANSION  
 EXT = EXTERIOR

FB = FLAT BLOCKING  
 FDN = FOUNDATION  
 F F = FAR FACE

FIN = FINISH  
 F J = FLOOR JOIST  
 FLG = FLANG  
 FLR = FLOOR  
 F N = FACE NAIL  
 F O = FACE OF  
 F O C = FACE OF CONCRETE  
 F O S = FACE STUD  
 F O W = FACE OF WALL  
 FRMG = FRAMING  
 F S = FAR SIDE  
 FTG = FOOTING  
 F W = FILLET WELD

GA = GAUGE  
 GEN = GENERAL  
 GIR = GIRDER  
 G L = GLUED LAMINATION (BM OR MEMBER)  
 GR = GRADE  
 GRND = GROUND

H = HORIZ = HORIZONTAL(LY)  
 HD = HAND  
 H D G = HOT DIP GALVANIZED  
 HDR = HEADER  
 HGR = HANGER  
 HK = HOOK  
 HT = HEIGHT

I F = INNER FACE  
 INFO = INFORMATION  
 INT = INTERIOR  
 INTSECT = INTERSECT(ION)  
 INV = INVERTED

LAM = LAMINATED(TION)  
 LOC = LOCATION  
 LONGIT = LONGITUDINAL(LY)

MAX = MAXIMUM  
 M B = MACHINE BOLT  
 MECH = MECHANICAL  
 MIN = MINIMUM  
 MULL = MULLION

(N) = NEW  
 N = NORTH  
 NAT MATL = NATURAL MATERIAL  
 N B = NON BEARING  
 N F = NEAR FACE  
 NLG = NAILING  
 NLR = NAILER  
 NTS = NOT TO SCALE

O C = ON CENTER  
 O F = OUTER FACE  
 OPG = OPENING  
 OPP = OPPOSITE

PC = PIECE  
 PEN = PENETRATION  
 PERIM = PERIMETER  
 P L F = POUNDS PER LINEAR FOOT  
 PNT = POINT  
 P S F = POUNDS PER SQUARE FOOT  
 P S I = POUNDS PER SQUARE INCH  
 P T = PRESSURE TREATED  
 PW = PLYWOOD

REF = REFERENCE  
 REINF = REINFORCING(MENT)  
 REQ'D = REQUIRED  
 RET = RETAINING  
 R J = ROOF JOIST  
 RM = ROOM  
 R O = ROUGH OPENING  
 R R = ROOF RAFTER

S = SOUTH  
 S B = SOLID BLOCK  
 SECT = SECTION(S)  
 SHPD = SHAPED  
 SHT = SHEET(S)  
 SHTG = SHEATING  
 S I = SPECIAL INSPECTION  
 SIM = SIMILAR  
 S O G = SLAB ON GRADE  
 SPC(G) = SPACE(ING)  
 SPEC = SPECIFICATIONS  
 SQ = SQUARE  
 S S = SELECT STRUCT.  
 ST STL = STAINLESS STEEL  
 STAGG = STAGGER(ED)  
 STD = STANDARD  
 STIFF = STIFFENER  
 STL = STEEL  
 STRUCT = STRUCTURE(LY)  
 SW = SHEAR WALL  
 SYMM = SYMMETRICAL(Y)

T = TOP  
 T & G = TONGUE & GROOVE  
 TH = THICKNESS  
 TJ = TRUSJOIST  
 TN = TOENAIL  
 TO = TOP OF  
 T O C = TOP OF CONCRETE  
 T O S = TOP OF STEEL  
 TOT = TOTAL  
 T O W = TOP OF WALL  
 TR = THE ROD  
 TRANS = TRANSVERSE  
 TS = TUBULAR STEEL  
 TYP = TYPICAL(LY)

U O N = UNLESS OTHERWISE NOTED  
 UNP = UNDERPIN

V = VERT = VERTICAL(LY)  
 VIF = VERIFY IN FIELD

W = WEST  
 WD = WOOD  
 W O = WHERE OCCURS  
 WPF(G) = WATERPROOF  
 W S B = WELDED STUD BOLT

X - B = CROSS BRACING  
 X - S = EXTRA STRONG

Ç = CENTERLINE  
 P = PLATE  
 Ø = ROUND OR DIAMETER  
 L = ANGLE  
 || = PARALLEL  
 ⊥ = PERPENDICULAR  
 # = NUMBER

**DEPT. OF BUILDING AND SAFETY NOTES**

1. SHOP WELDING SHALL BE PERFORMED IN THE SHOP OF A LICENSED FABRICATOR APPROVED BY THE BUILDING DEPARTMENT. FIELD WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS APPROVED BY THE BUILDING DEPARTMENT. CONTINUOUS INSPECTION OF WELDING SHALL BE REQUIRED UNLESS NOTED OTHERWISE ON THE PLANS.
2. ALL STRUCTURAL STEEL SHALL BE FABRICATED IN THE SHOP OF A DEPARTMENT APPROVED FABRICATOR.
3. LAG BOLTS: PROVIDE LEAD HOLE 40%-70% OF THREADED SHANK DIA. & FULL DIA. FOR SMOOTH SHANK PORTION.
4. WOOD BEARING WALL STUDS CANNOT BE NOTCHED MORE THAN 25% OF WIDTH. BORED HOLES CANNOT HAVE A DIAMETER GREATER THAN 40% OF STUD WIDTH.
5. PARALLAM, MICROLAM & LSL TO COMPLY WITH ER #4979; LARR 25202
6. SIMPSON TITEN HD BOLTS TO COMPLY WITH ICC-ES REPORT ESR 2713; LARR 25741
7. SIMPSON PDP SHOTPINS TO COMPLY WITH ICC-ES REPORT ESR 2138; LARR 25469
8. SIMPSON SET EPOXY FOR USE AT C.B. TO COMPLY w/ ICC-ES REPORT ESR-1772; LARR 25279
9. SIMPSON LUMBER CONNECTORS TO COMPLY WITH THE FOLLOWING REPORTS: LTP4 (ICC-ES ESR-2606; LARR 25716); A34 & A35 (IAPMO ES ER-112; LARR 25716); LUS SERIES HANGERS (ICC-ES ESR-2549; LARR 25076 & LARR 24949); HU HANGERS (ICC-ES ESR-2549); BC4 (ICC-ES ESR-2604; LARR 25714); HS24 (ICC-ES ESR-2613); SDS SCREWS (ICC-ES ESR-2236; LARR 25711); STRAPS (ICC-ES ESR-2105; LARR 25713); HD SERIES HOLDDOWNS (ICC-ES ES 0143); PC (ICC-ES ESR2604; LARR 25715); AB SERIES BASE CONNECTORS (ICC-ES ESR-1622; LARR 25712)

**CITY OF SANTA MONICA DEPARTMENT OF BUILDING & SAFETY**

**GENERAL NOTES FOR STRUCTURAL OBSERVATION**

1. STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEM IN ACCORDANCE WITH SECT. 8.16.020 OF THE S.M. MUNICIPAL CODE. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATION. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
2. THE OWNER SHALL EMPLOY A CIVIL OR STRUCTURAL ENGINEER OR ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE ENGINEER OR ARCHITECT SHALL BE REGISTERED OR LICENSED IN THE STATE OF CALIFORNIA. THE DEPARTMENT OF BUILDING AND SAFETY RECOMMENDS THE USE OF THE ENGINEER OR ARCHITECT RESONSIBLE FOR THE STRUCTURAL DESIGN WHEN THEY ARE INDEPENDENT OF THE CONTRACTOR.
3. THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT BY THE OWNER. THE OWNER OR STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT OF THE STRUCTURAL OBSERVER TO THE BLDG. & SAFETY DIVISION AT THE TIME OF THE 1st OBSERVATION REPORT. THE STRUCTURAL OBSERVER SHALL ALSO INFORM THE OWNER OF THE REQUIREMENTS FOR A PRECONSTRUCTION MEETING AND SHALL PRESIDE OVER THE MEETING.
4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEM OF THE STRUCTURAL AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATION. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT SUBMITTED TO THE BUILDING INSPECTOR.
5. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER:

CONSTRUCTION STAGES                      ELEMENTS/CONNECTIONS TO BE OBSERVED

- a) PRIOR TO CONC. POUR                      / REINF.
- b) PRIOR TO WRAP                              / PLYWOOD WALLS & CONNECTORS
- c) DIAPHRAGM                                    / SHEATHING & NAILING
- d)    /
- e)    /

6. THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT ON STRUCTURAL OBSERVATION REPORT FORM B & S 100 FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE OBSERVATION REPORT SHALL BE SENT TO BUILDING INSPECTOR OFFICE AND SHALL BE SIGNED AND SEALED (WET STAMP) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. THE COPY ATTACHED TO THE PLANS NEED NOT BE SEALED BUT SHALL BE SIGNED BY THE RESPONSIBLE STRUCTURAL OBSERVER OR THEIR DESIGNER. COPIES OF THE REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR, AND DEPUTY INSPECTOR.

7. A FINAL OBSERVATION REPORT MUST BE SUBMITTED WHICH STATES THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND THE STRUCTURAL SYSTEM GENERALLY CONFORM WITH THE APPROVED PLANS AND SPECIFICATION. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT THE STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THE CORRECTION OF SPECIFIC DEFICIENCIES NOTED DURNING NORMAL BUILDING AND DEPUTY INSPECTION.

8. THE STRUCTURAL OBSERVER SHALL SEND THE ORIGINAL OBSERVATION REPORT TO THE FOLLOWING INSPECTION OFFICE:

BLDG. & SAFETY DIVISION  
 INSPECTION SECTION  
 1685 MAIN ST.  
 SANTA MONICA, CA 90407

9. WHEN THE OWNER ELECTS TO CHANGE THE STRUCTURAL OBSERVER OF THE RECORD, THE OWNER SHALL:

- a) NOTIFY THE BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION.
- b) CALL AN ADDITIONAL PRECONSTRUCTION MEETING, AND,
- c) FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF ALL PREVIOUS OBSERVATION REPORT.

10. THE REPLACEMENT STRUCTURAL OBSERVER SHALL APPROVE THE CORRECTION OF THE ORIGINAL OBSERVED DEFICIENCIES UNLESS OTHERWISE APPROVED BY PLAN CHECK SUPERVISION. THE POLICY OF THE DEPARTMENT SHALL BE TO CORRECT ANY PROPERLY NOTED DEFICIENCIES WITHOUT CONSIDERATION OF THEIR SOURCE.

10. THE ENGINEER OR ARCHITECT OF RECORD SHALL DEVELOP ALL CHANGES RELATING TO THE STRUCTURAL SYSTEM. THE BUILDING DEPARTMENT SHALL REVIEW AND APPROVE ALL CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS.

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NO	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
5	PLAN CHECK		06.04.09		Re-submit 04		07.20.10
6	Re-submit		08.31.09	11	Bid Set 02		09.07.10
8	Re-submit		10.08.09	11a	PC Corrections		05.19.11
--	Re-submit 03		06.03.10				

**KEYPLAN**

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**SANTA MONICA CITY TV**                      CITY OF SANTA MONICA  
 1654 19TH STREET, SANTA MONICA, CA 90404                      PROJECT NO. 6619

**PROJECT**

**GENERAL NOTES AND ABBREVIATIONS**

**DRAWING**

	05.19.11	12-805 (GLP 09014)
DATE		PROJECT NO.
DRAWN	-	
REVIEWED	-	
N.T.S.		
SCALE		DRAWING NO.



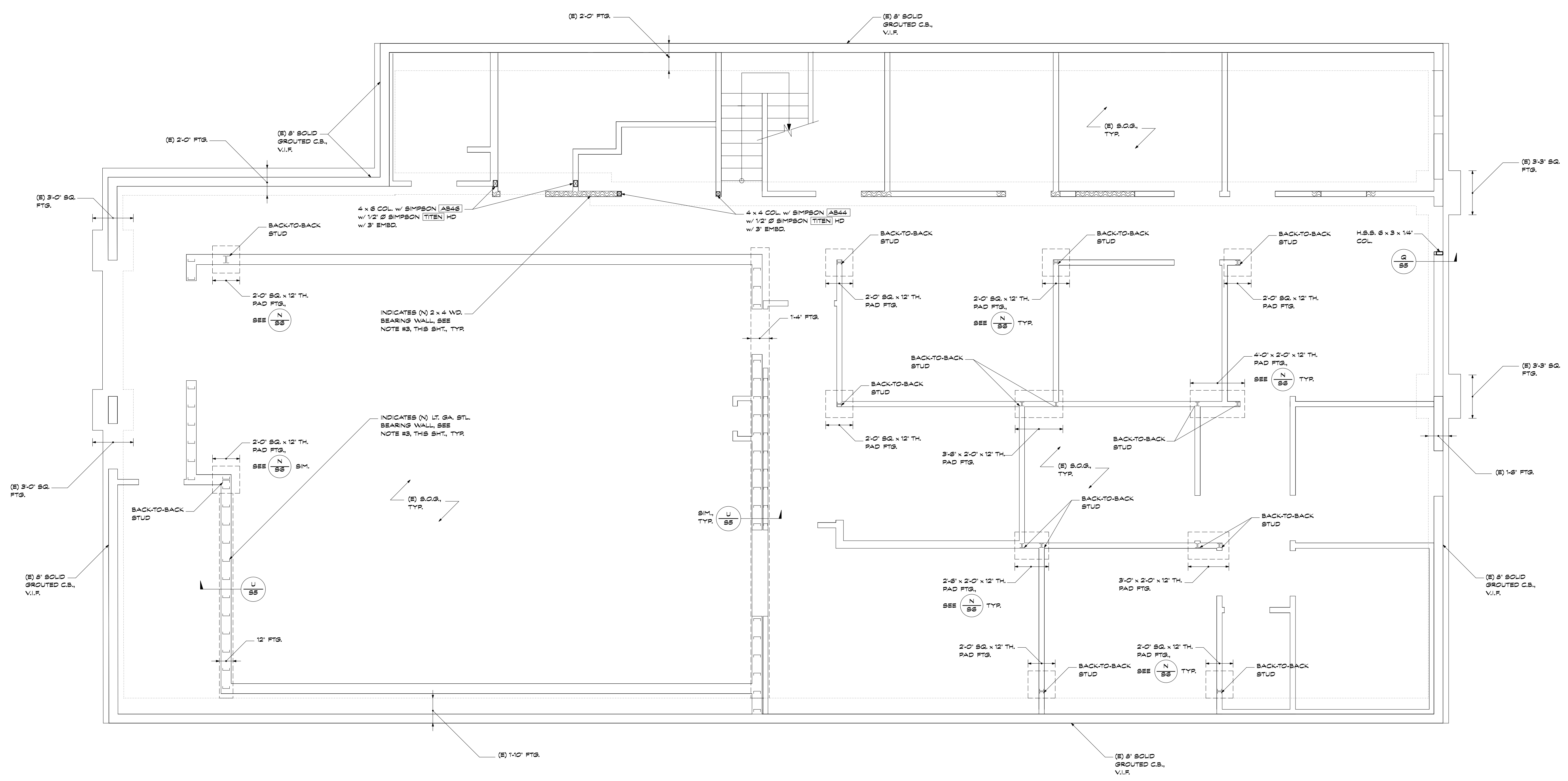
**S 1**

**STAMP**

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1654 19TH STREET, SANTA MONICA, CA 90404 PROJECT NO. 6619

1ST FLR. FRMG. & FDN. PLAN

	05.19.11	<b>12-805 (GLP 09014)</b> PROJECT NO.
	DATE	
	-	
	DRAWN	
-	<b>S2</b>	
REVIEWED		
1/4" = 1'-0"	SCALE	
STAMP	DRAWING NO.	

**1ST FLR. FRMG. & FDN. PLAN**  
SCALE: 1/4" = 1'-0"

ADDITIONAL FRAMING NOTES:

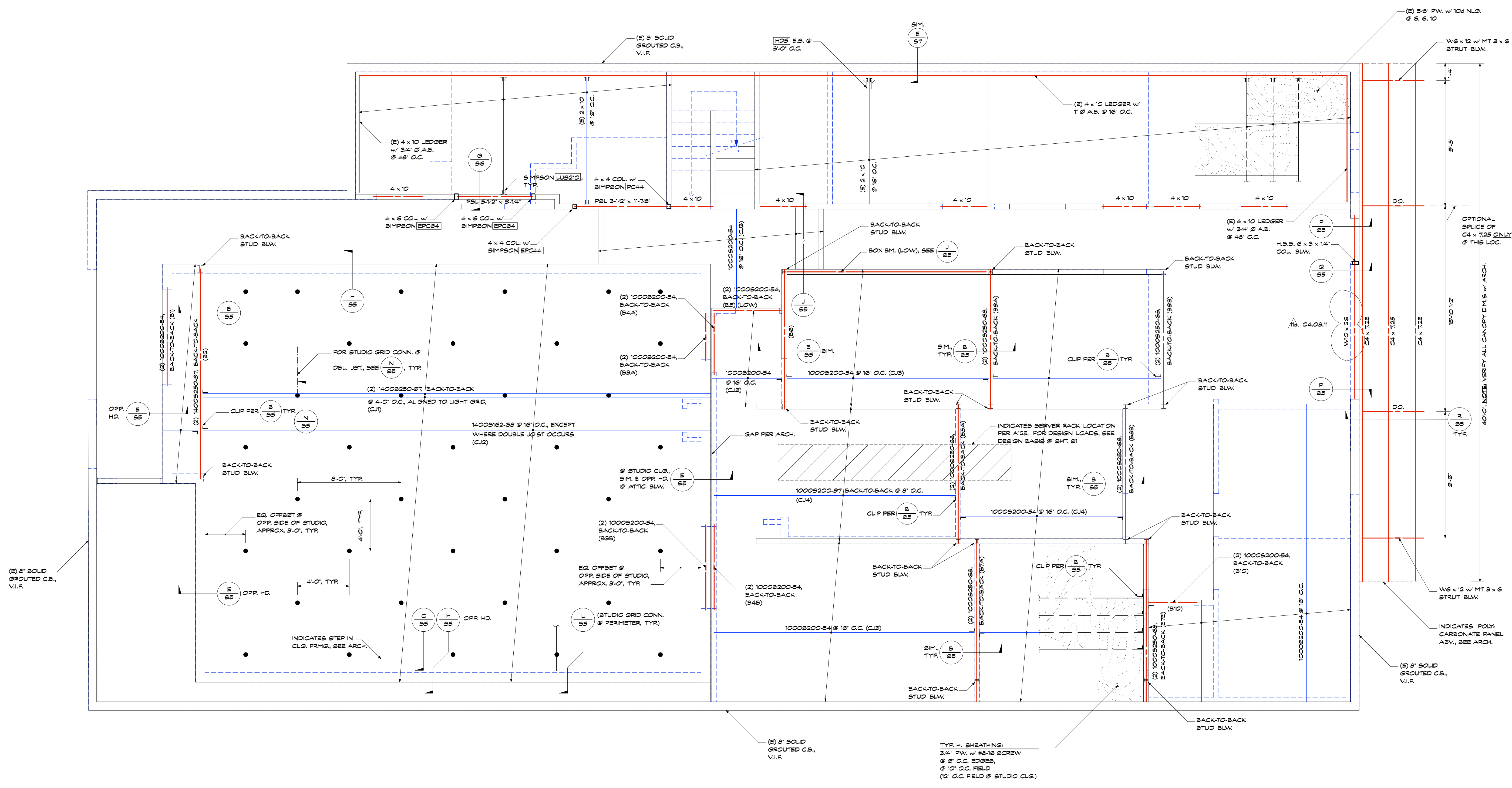
- STEEL STUD AND JOIST DESIGNATION BY SSMA NUMBER. SEE DET. (F/S6).
- BACK-TO-BACK HEADERS & JST'S. PER DET. (F6/A505). USE UNPUNCHED MEMBERS ONLY (WITHOUT KNOCKOUTS).
- WALL FRAMING @ 16" O.C., FULL HEIGHT BETWEEN T. & B. TRACKS (OR SOLE PLATE & DOUBLE TOP PLATES @ WD. WALLS). ADDITIONALLY NOTE:
  - A) WALL TYPES PER A114 & A124 & PER STRUCT. DET.'S
  - B) 6" STEEL STUDS TO BE 600S162-54
  - C) 3-5/8" STEEL STUDS TO BE 362S162-33
  - D) 3-1/2" STEEL STUDS TO BE 350S162-33
  - E) WOOD STUDS TO BE 2x4
- PROVIDE SOLID BLOCKING ALL AROUND AT NEW FLR. & RF. OPENINGS & EDGE NAIL ALL SIDES w/ 10d @ 4" O.C.
- VERIFY ALL PW. EDGES BELOW MECH. UNITS ARE BLOCKED SOLID & EDGE NAILED w/ 10d @ 4" O.C.
- FOR ATTACHMENT OF ATTIC STUDWALLS AT (E) TJI FRMG., SEE DET. (A/S6).
- FOR TYP. STL. STUD FRMG. DET.'S, SEE A505 & A506.
- AT STL. JST. FRMG. WHERE NO SHEATHING OCCURS ON B. FACE, PROIDE BRIDGING OR CONT. BLOCKING @ MID-SPAN.

LEGEND:  
 INDICATES SIMPSON CO. 'STRONG-TIE' CONNECTORS

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5	PLAN CHECK		06.04.09		Re-submit 04		07.20.10
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8	Re-submit		10.08.09	11a	PC Corrections		05.19.11
--	Re-submit 03		06.03.10				

KEYPLAN

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**STUDIO CEILING/ATTIC & MECHANICAL AREA FRMG. PLAN**  
SCALE: 1/4" = 1'-0"

**SEISMIC RETROFIT NOTE(S):**

- 1) VERIFY IN FIELD THAT (E) C.B. WALLS ARE SOLID GROUTED. IF UNGROUTED CELLS ARE FOUND, CONTACT ENGINEER. ALT. ANCHORAGE DET. @ SEISMIC TIES MAY BE REQ'D.

**LEGEND:**

Ⓢ(IMP) INDICATES SIMPSON CO. 'STRONG-TIE' CONNECTORS

**ADDITIONAL FRAMING NOTES:**

1. STEEL STUD AND JOIST DESIGNATION BY SSMA NUMBER. SEE DET. (F/56).
2. BACK-TO-BACK HEADERS & JST'S. PER DET. (F6/A505). USE UNPUNCHED MEMBERS ONLY (WITHOUT KNOCKOUTS).
3. WALL FRAMING @ 16" O.C., FULL HEIGHT BETWEEN T. & B. TRACKS (OR SOLE PLATE & DOUBLE TOP PLATES @ WD. WALLS). ADDITIONALLY NOTE:  
A) WALL TYPES PER A114 & A124 & PER STRUCT. DET.'S  
B) 6" STEEL STUDS TO BE 600S162-54  
C) 3-5/8" STEEL STUDS TO BE 362S162-33  
D) 3-1/2" STEEL STUDS TO BE 350S162-33  
E) WOOD STUDS TO BE 2x4
4. PROVIDE SOLID BLOCKING ALL AROUND AT NEW FLR. & RF. OPENINGS & EDGE NAIL ALL SIDES w/ 10d @ 4" O.C.
5. VERIFY ALL PW. EDGES BELOW MECH. UNITS ARE BLOCKED SOLID & EDGE NAILED w/ 10d @ 4" O.C.
6. FOR ATTACHMENT OF ATTIC STUDWALLS AT (E) TJI FRMG., SEE DET. (A/S6).
7. FOR TYP. STL. STUD FRMG. DET.'S, SEE A505 & A506.
8. AT STL. JST. FRMG. WHERE NO SHEATHING OCCURS ON B. FACE, PROVIDE BRIDGING OR CONT. BLOCKING @ MID-SPAN.

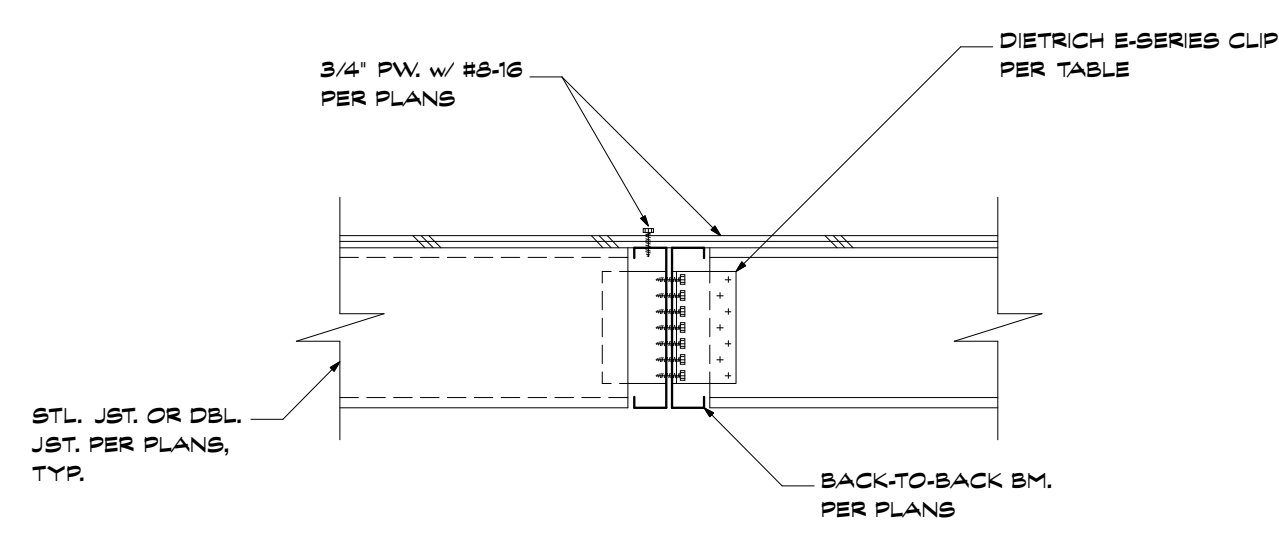
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1654 19TH STREET, SANTA MONICA, CA 90404 PROJECT NO. 6619

**STUDIO CLG. & ATTIC FRMG. PLAN**

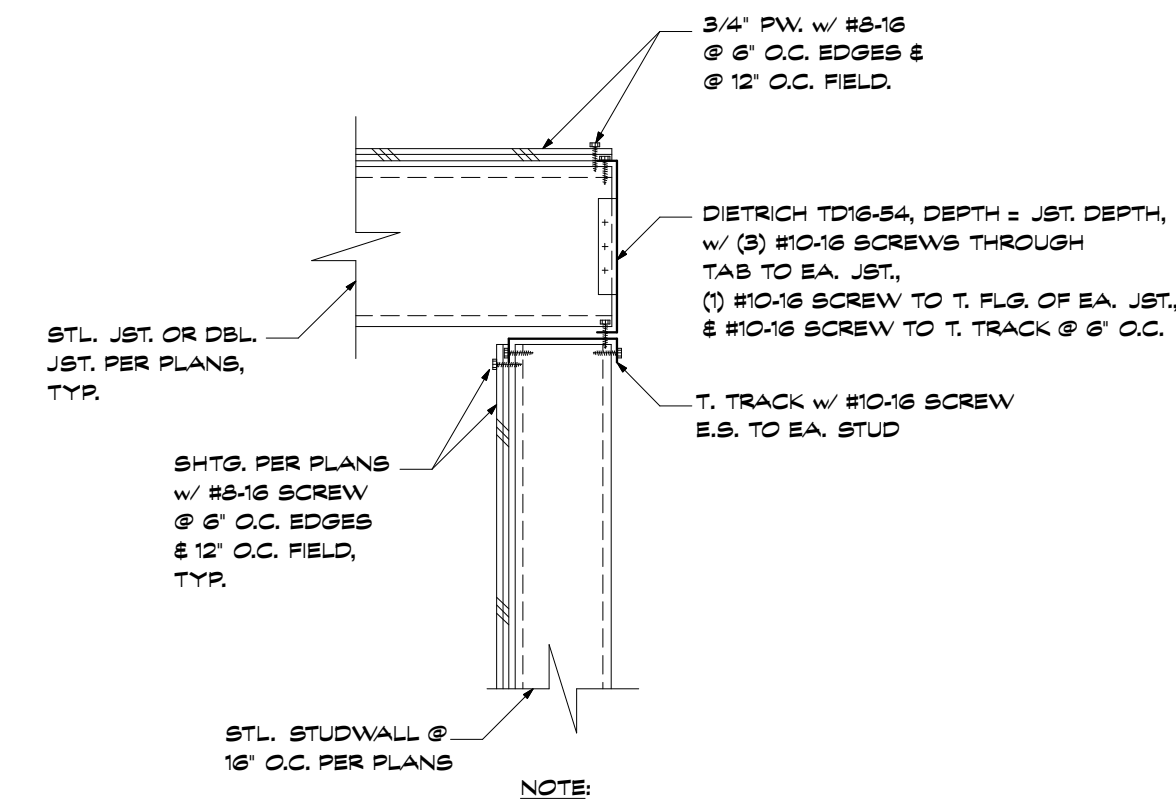
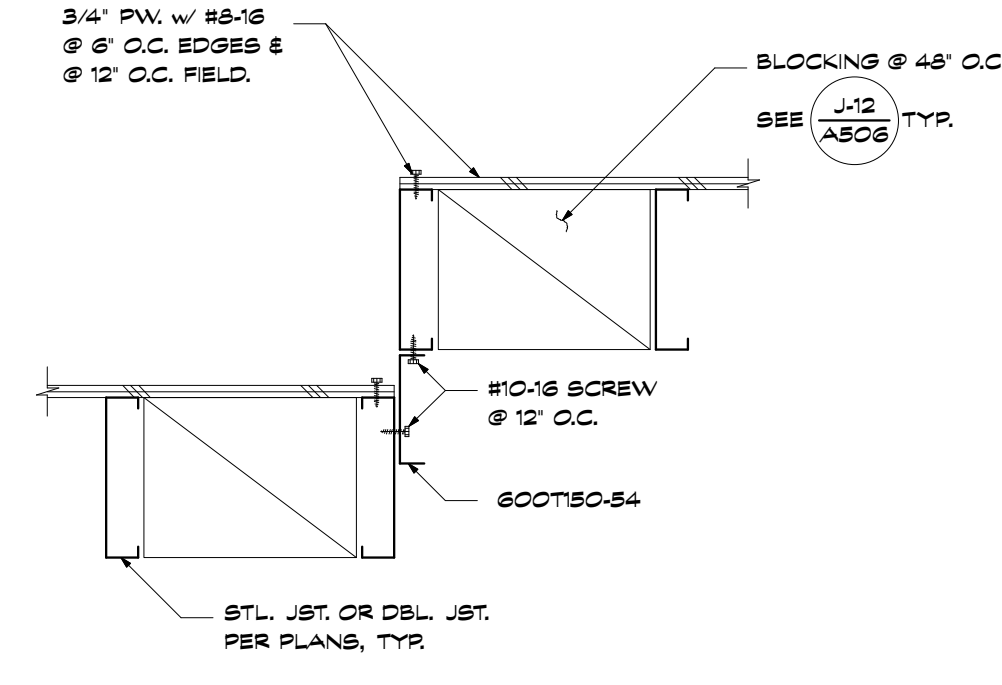
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DRAWN	-	PROJECT NO.
REVIEWED	-	<b>S3</b>
SCALE	1/4" = 1'-0"	
STAMP		DRAWING NO.







JST. DEPTH	FRMG. COND.	CLIP	QTY. #10-18 SCREWS @ EA. LEG.
10'	SFG. @ 18' O.C.	ES47	(4)
	SFG. @ 8' O.C.		(7)
14'	SINGLE PLY	ES48	(4)
	DOUBLE JST.		(8)



A  
S5

B  
S5

C  
S5

D  
S5

E  
S5

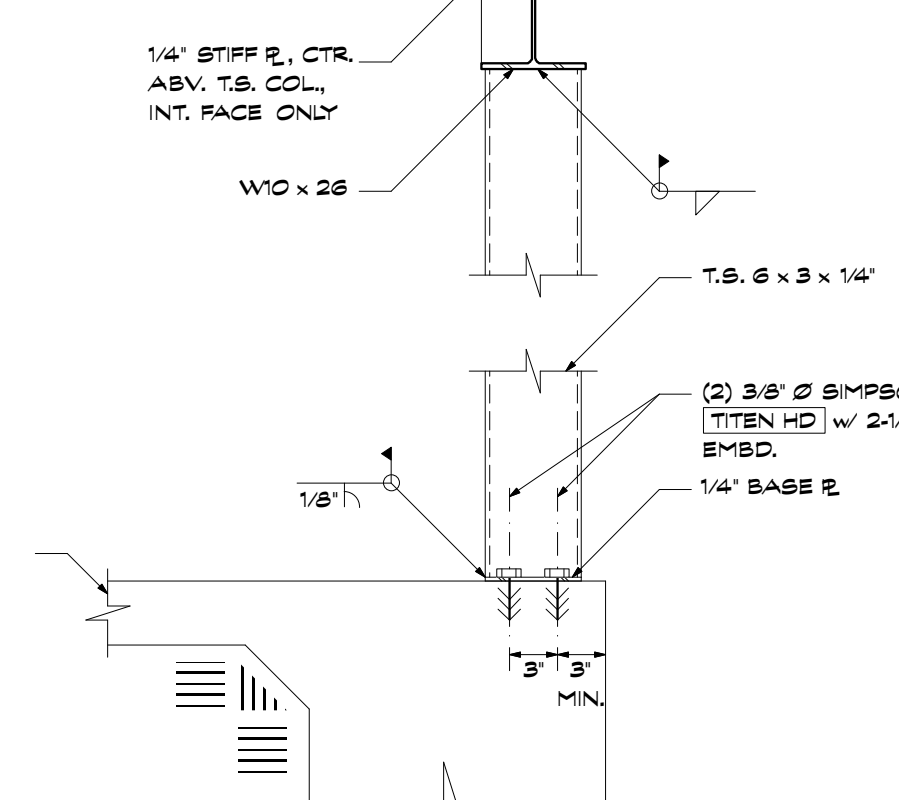
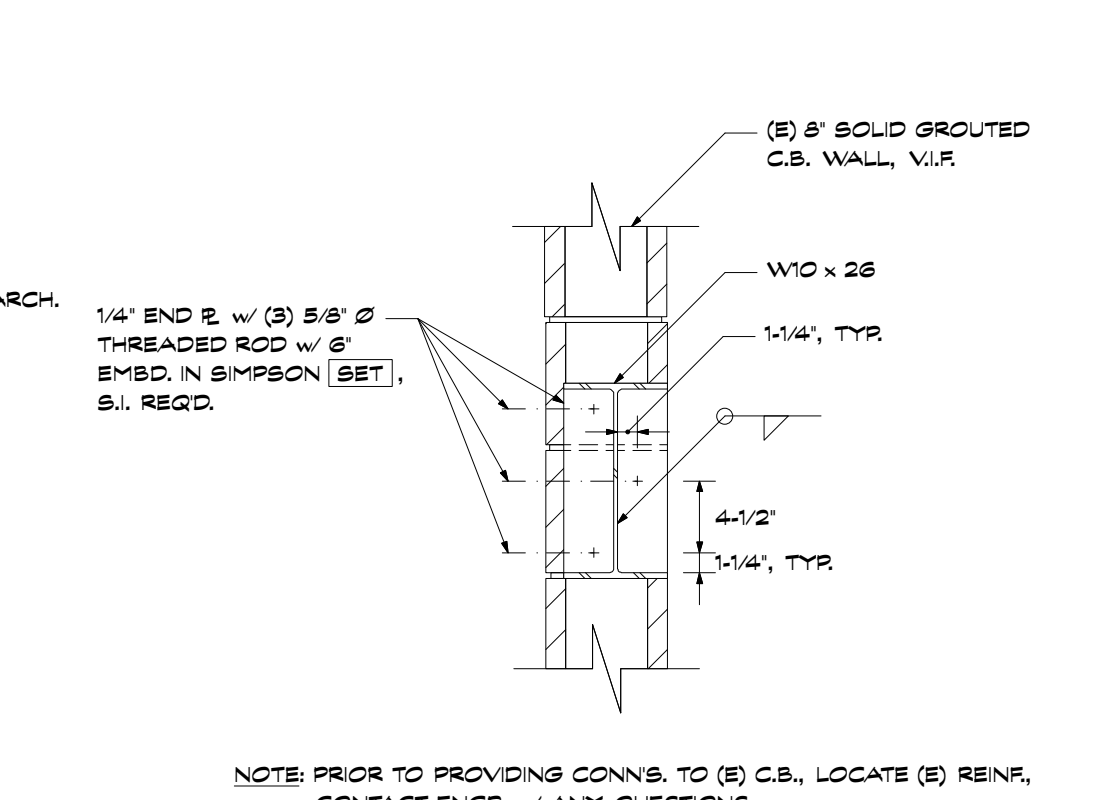
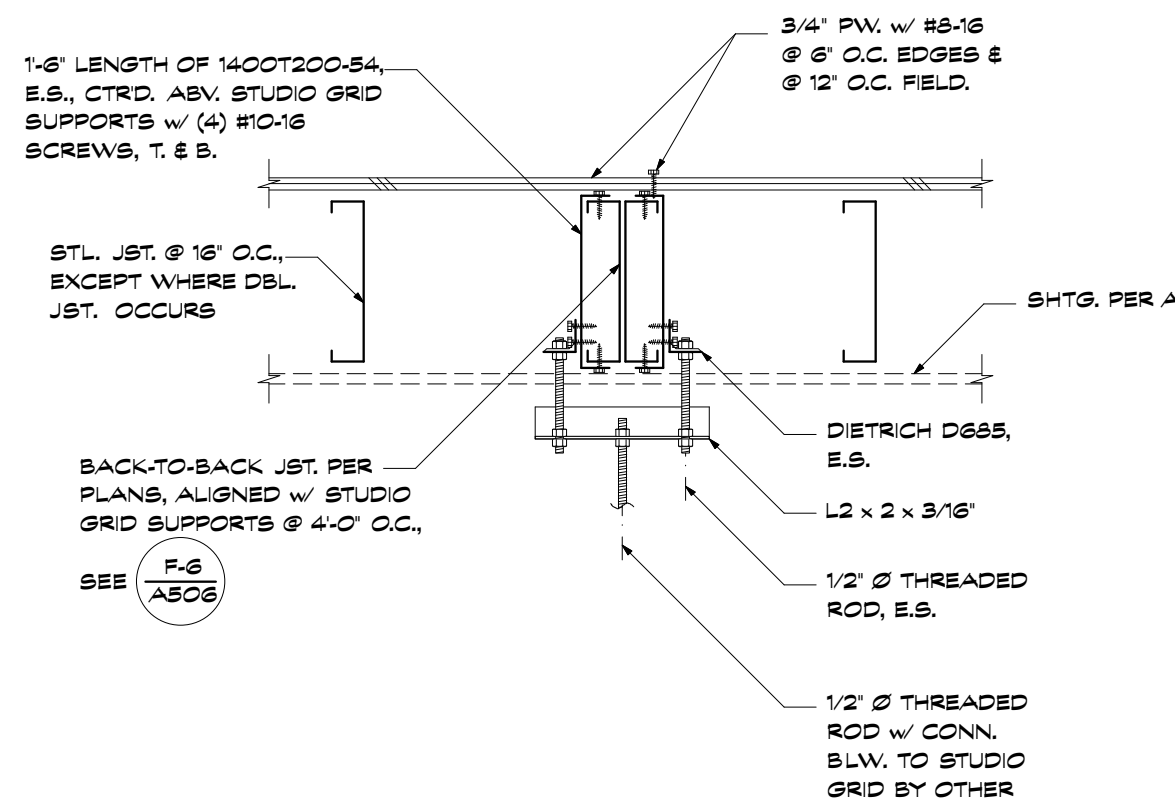
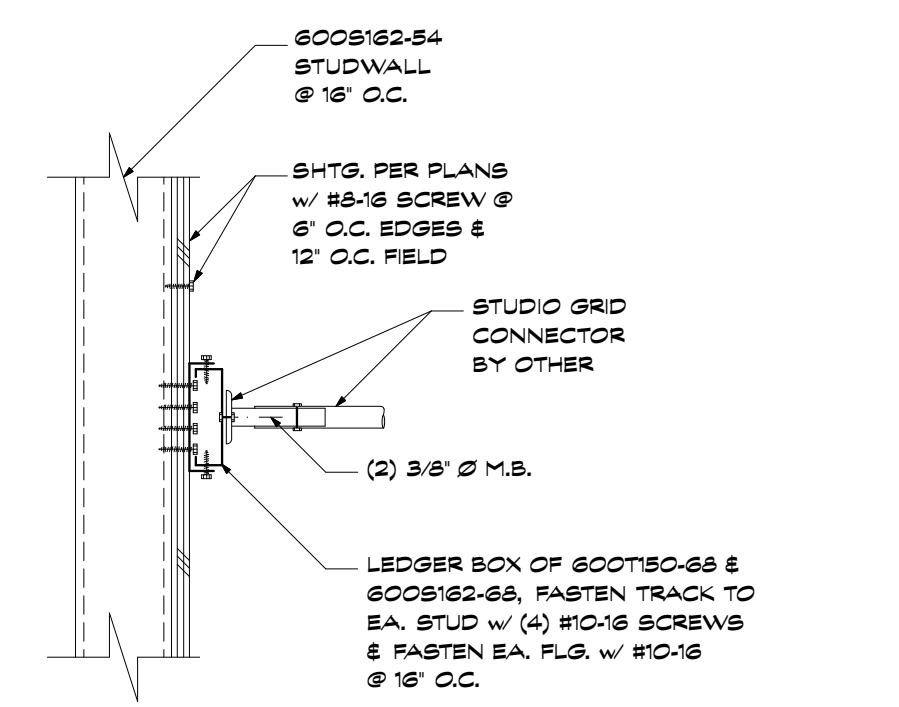
F  
S5

G  
S5

H  
S5

J  
S5

K  
S5



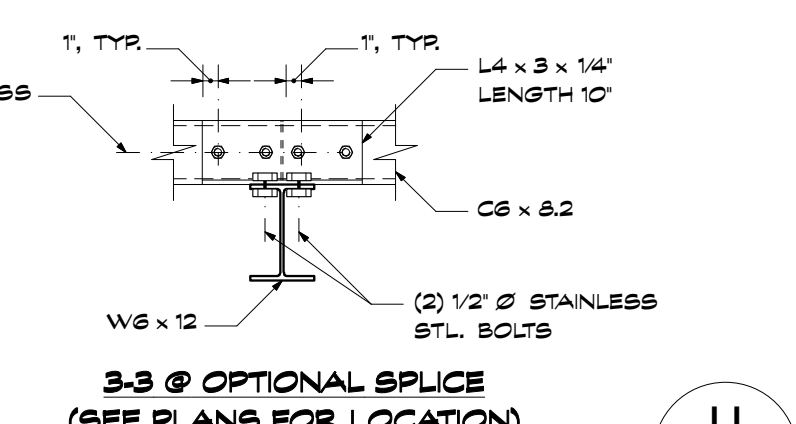
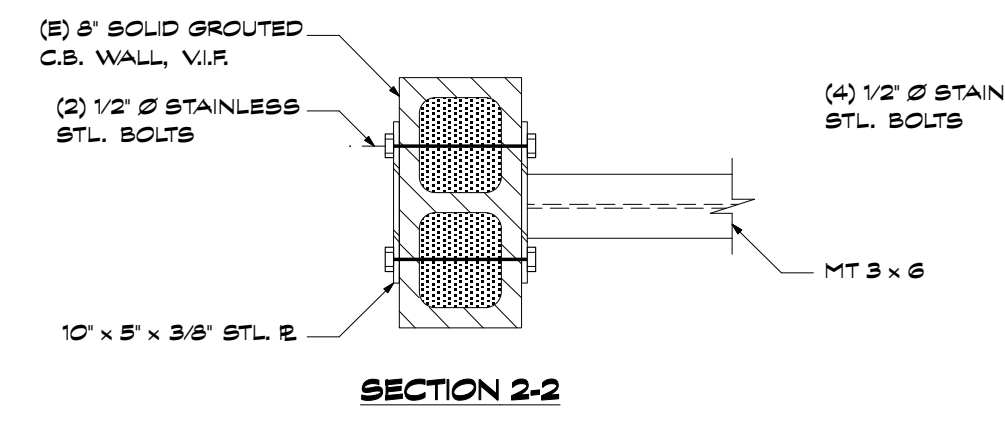
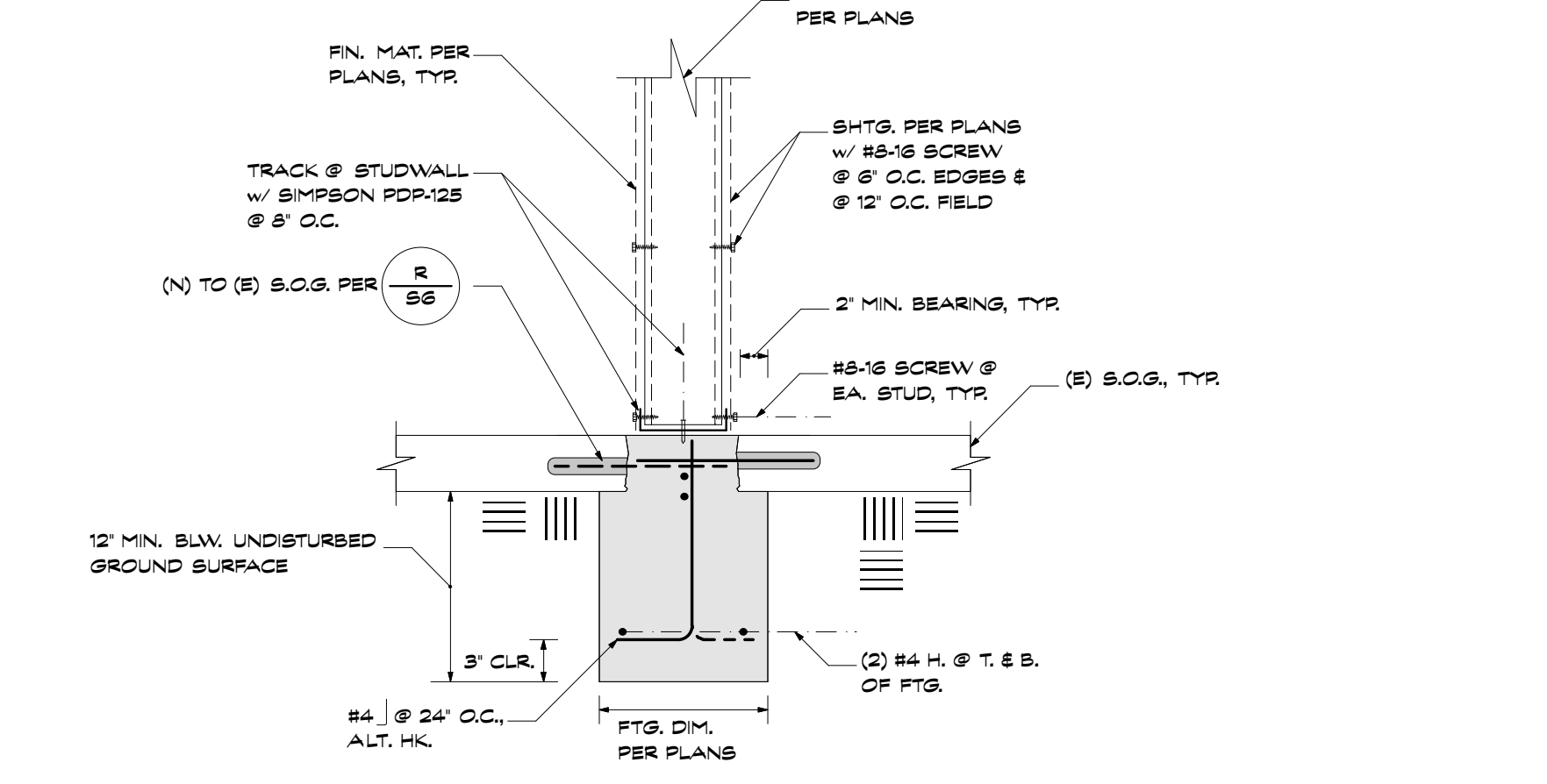
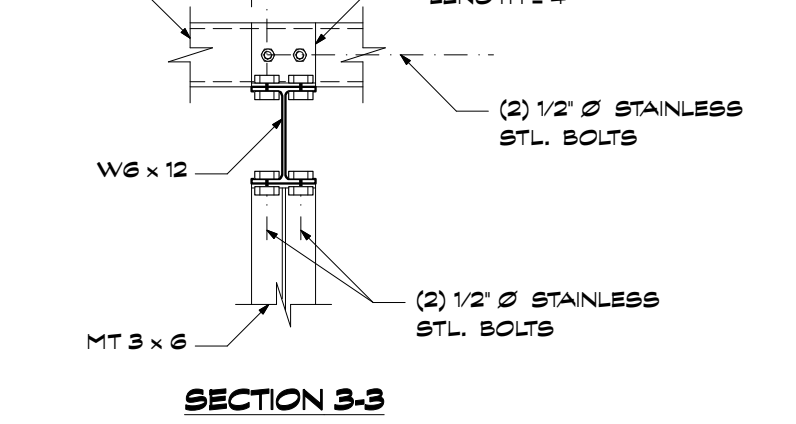
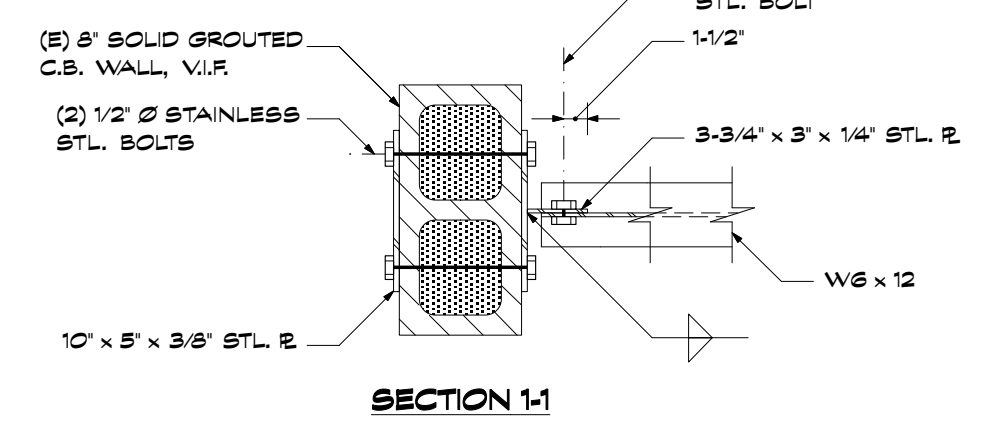
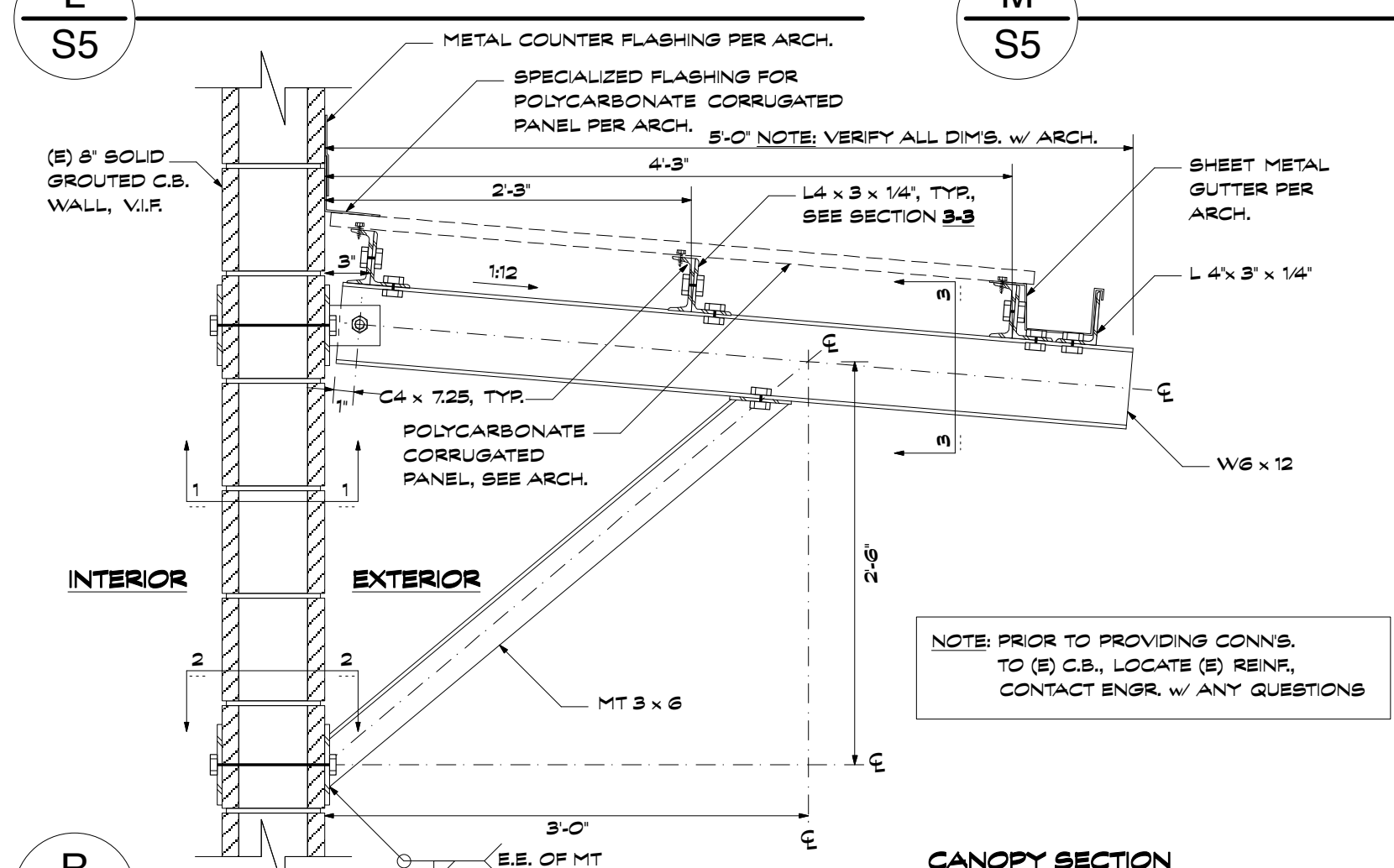
L  
S5

M  
S5

N  
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P  
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Q  
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R  
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S5

NO	DESCRIPTION	BY	DATE	NO.	DESCRIPTION	BY	DATE
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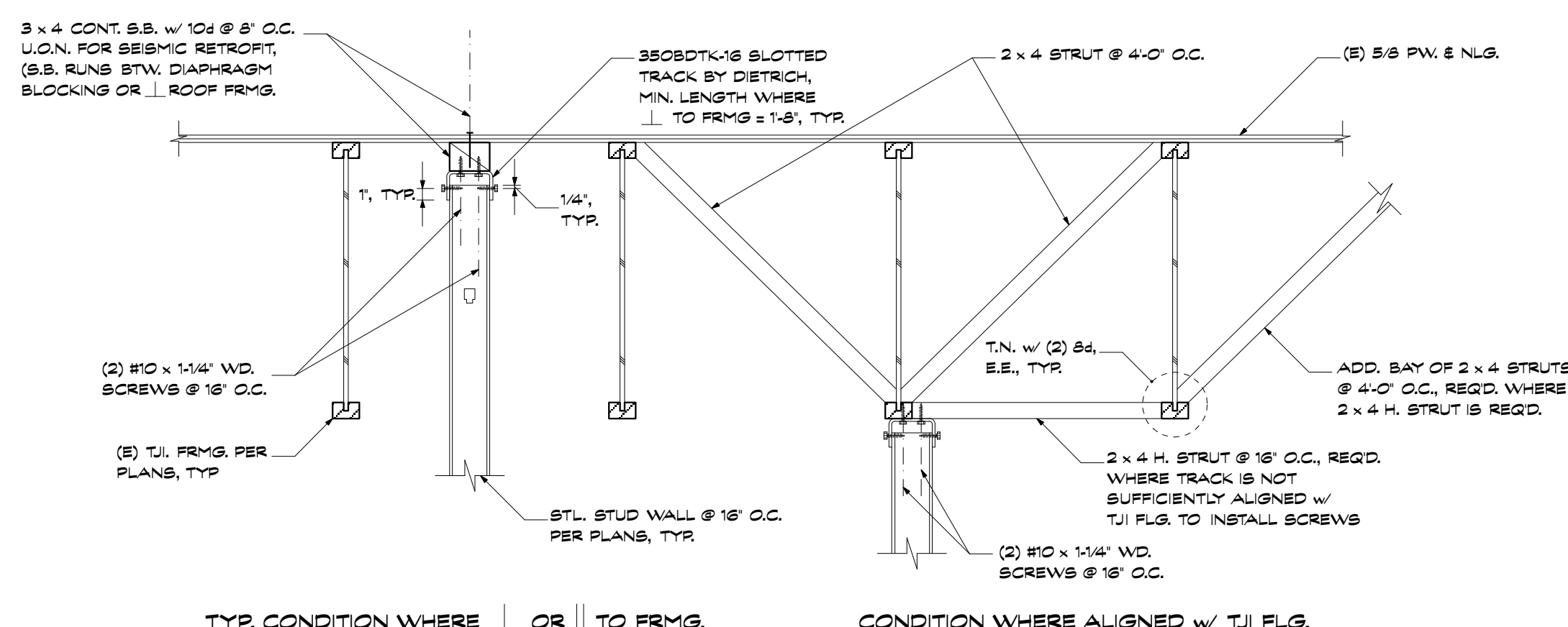
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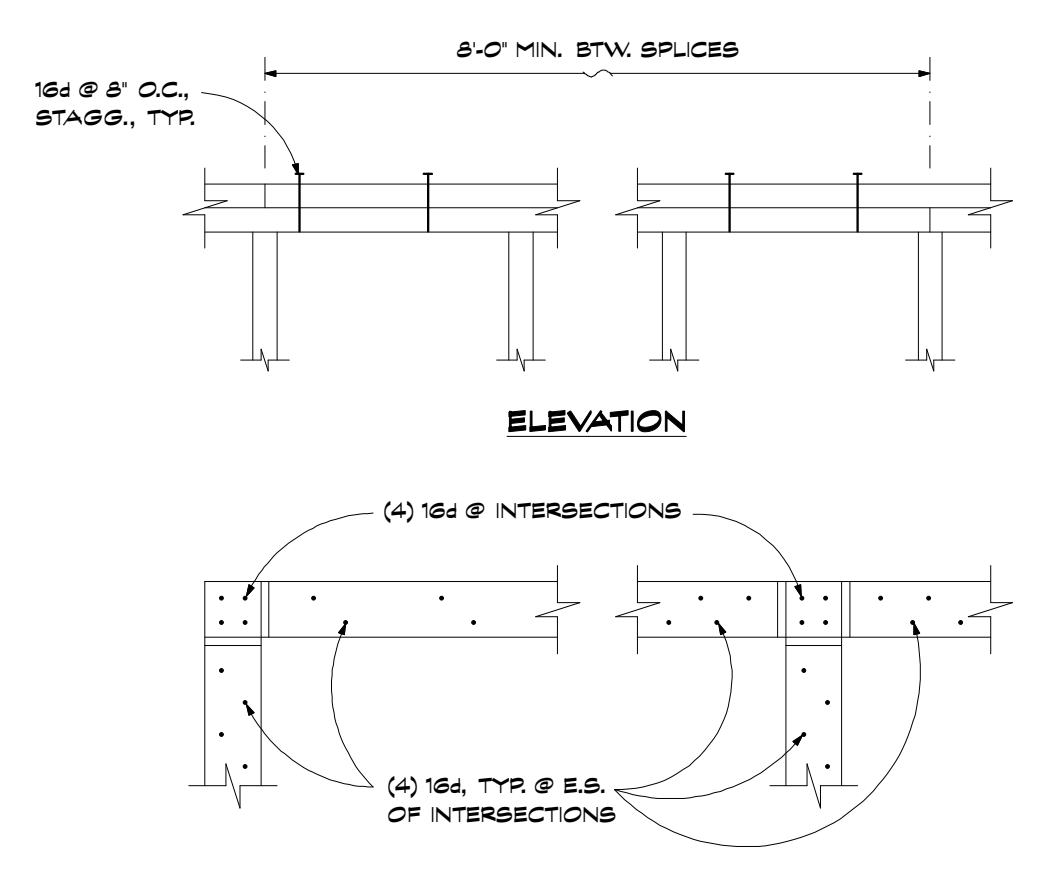
STRUCTURAL DETAILS

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PROJECT NO.		
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REVIEWED		
SCALE	1" = 1'-0" U.O.N.	
DRAWING NO.		

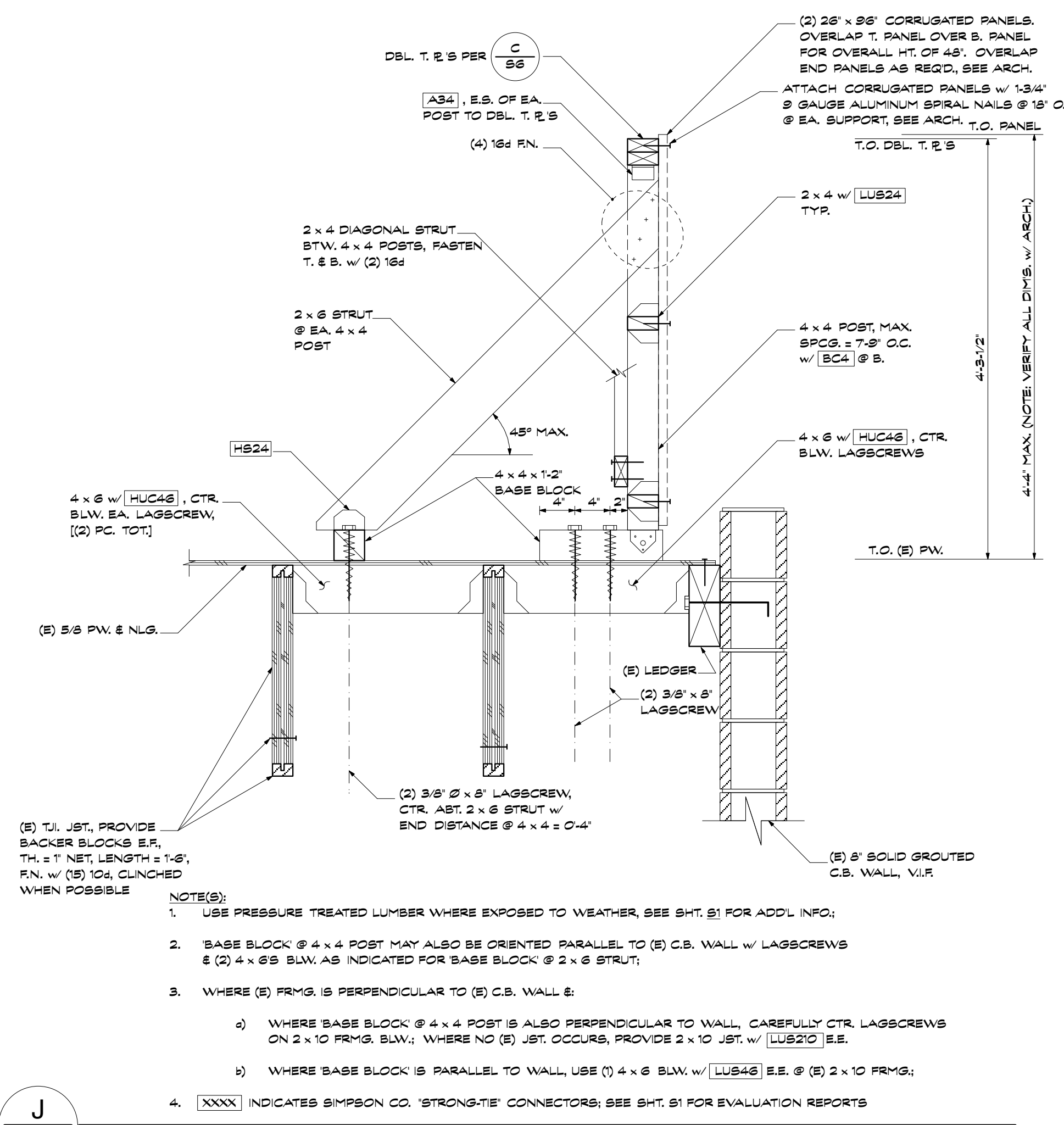




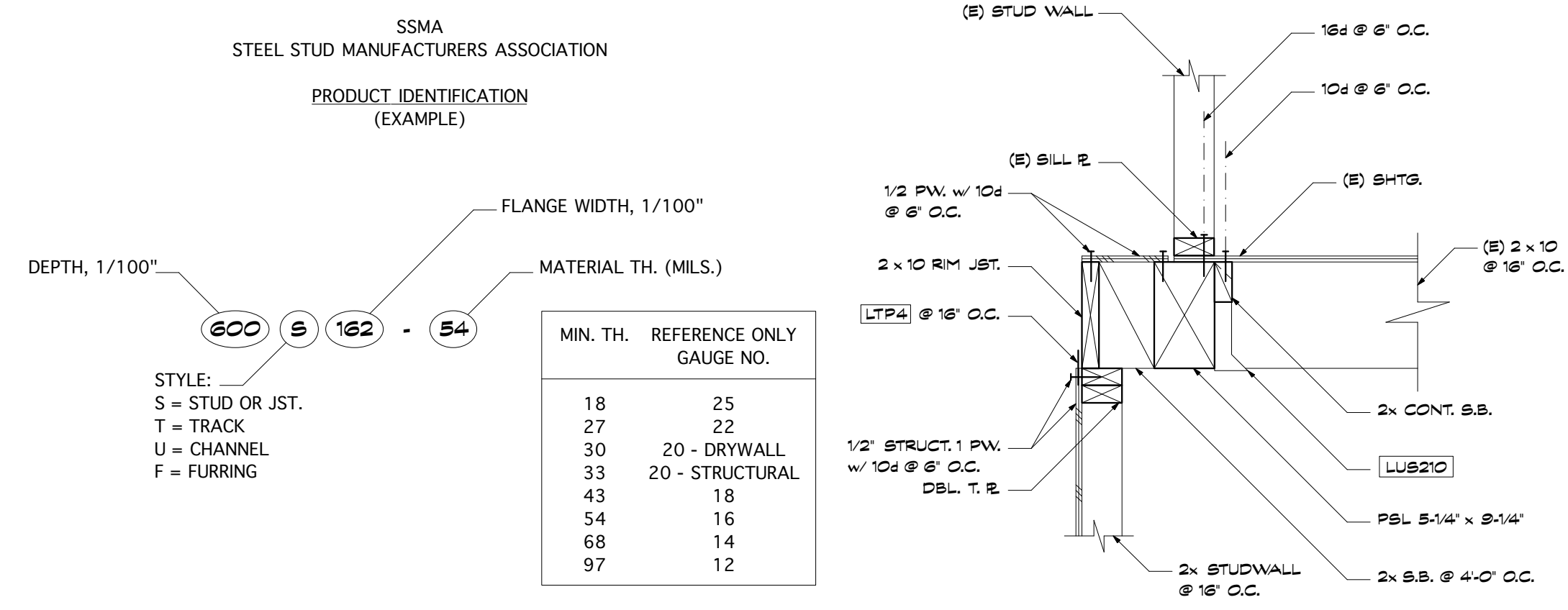
**A** *Typ. Partition Wall Conn. @ (E) TJI Frmg.*  
S6



**C** *Conn. Dbl. T. R @ Intersections*  
S6  
1" = 1'-0"



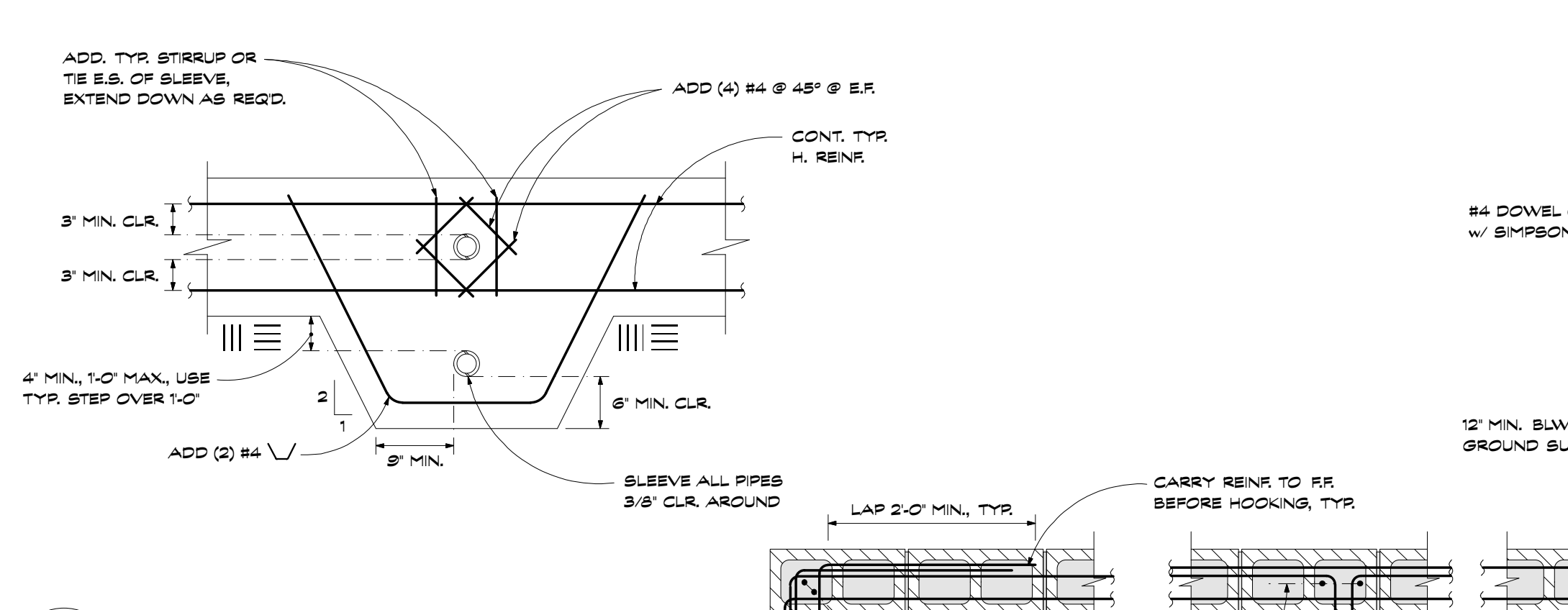
**J** *Conn. Dbl. T. R @ Intersections*  
S6



**F** *Typ. Pipe Sleeve Thru Ftg.*  
S6  
3/4" = 1'-0"

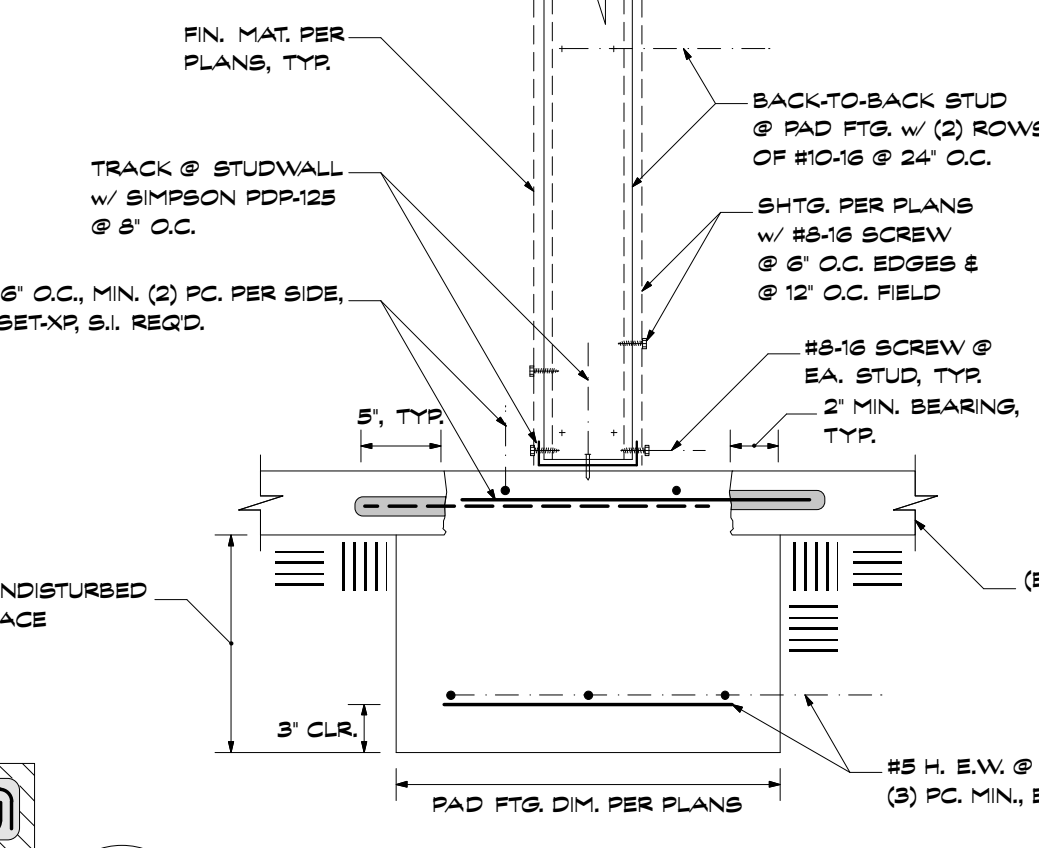
**G** *Typ. Pipe Sleeve Thru Ftg.*  
S6

**H** *Typ. Pipe Sleeve Thru Ftg.*  
S6

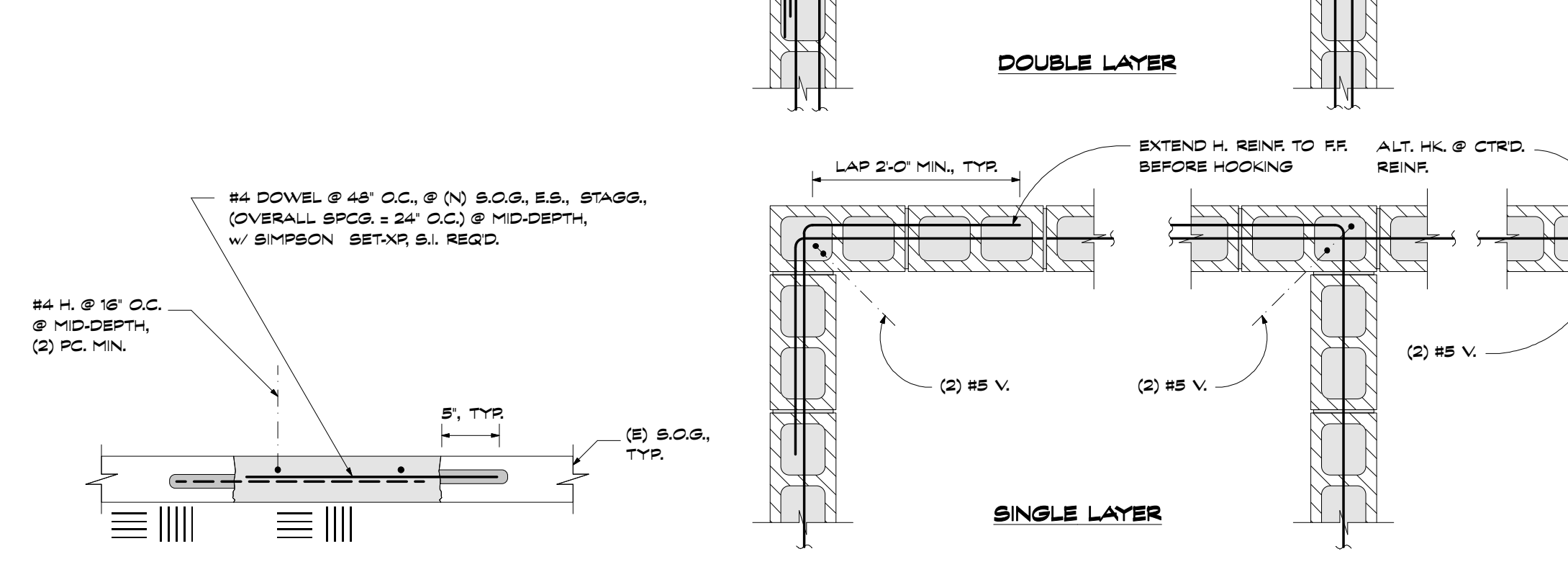


**L** *Typ. Pipe Sleeve Thru Ftg.*  
S6  
3/4" = 1'-0"

**N** *Typ. Pipe Sleeve Thru Ftg.*  
S6

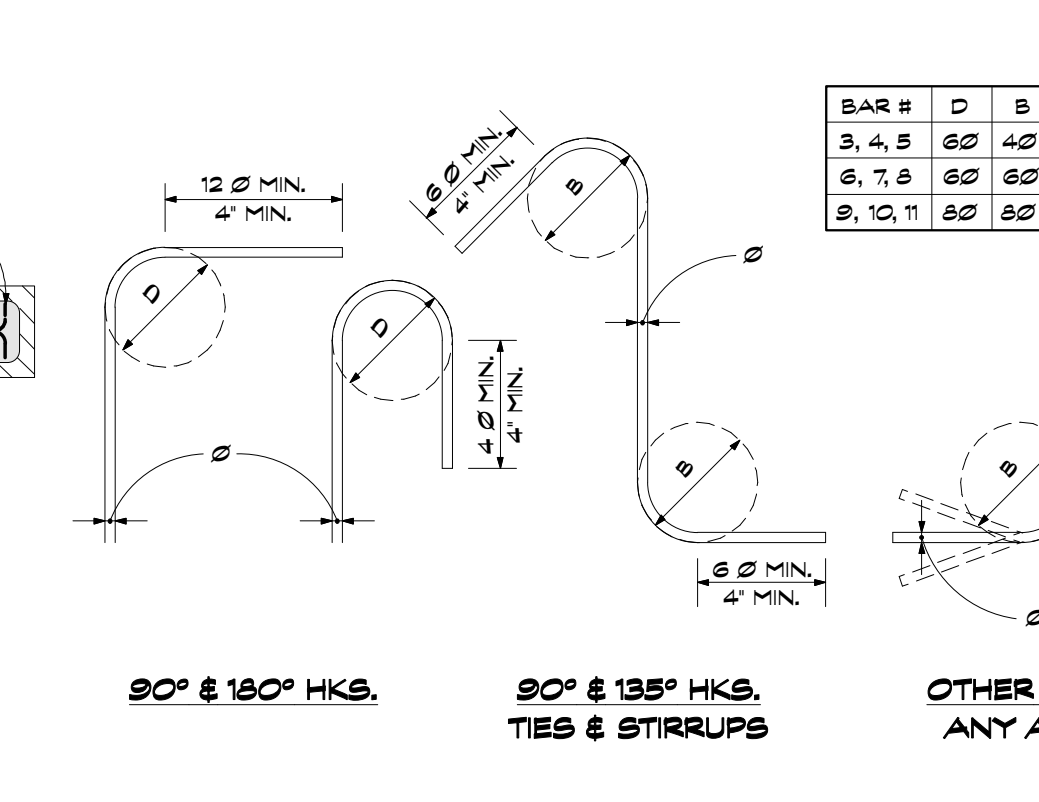


**N** *Typ. C.B. Reinf. @ Corners (plan)*  
S6

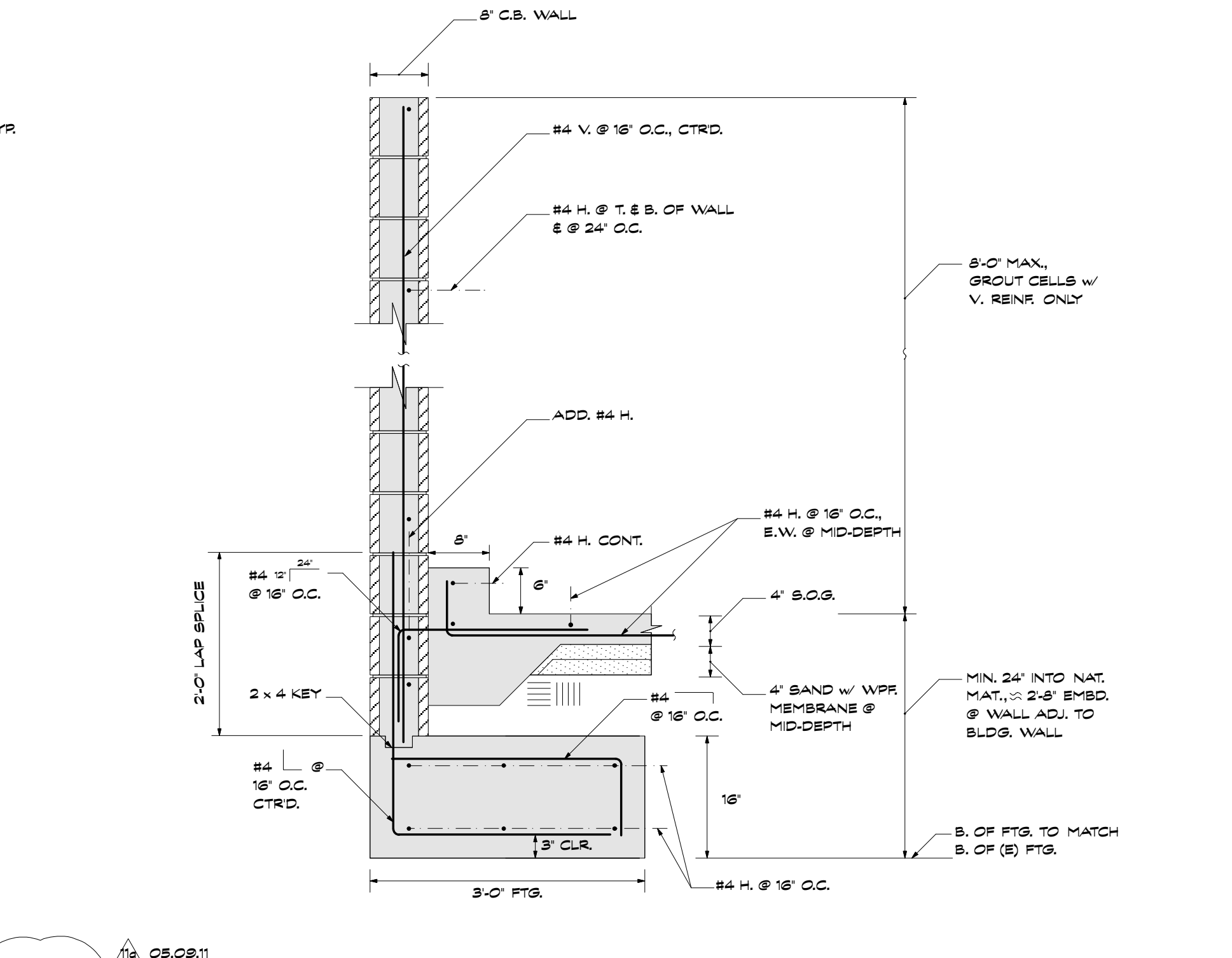


**R** *Typ. Dowels @ (N) to (E) S.O.G.*  
S6

**S** *Typ. C.B. Reinf. @ Corners (plan)*  
S6  
3/4" = 1'-0"



**T** *Typ. Reinf. Bar Bends*  
S6



**U** *C.B. Wall @ Trash Enclosure*  
S6  
SCALE: 3/4" = 1'-0"

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**STRUCTURAL DETAILS**

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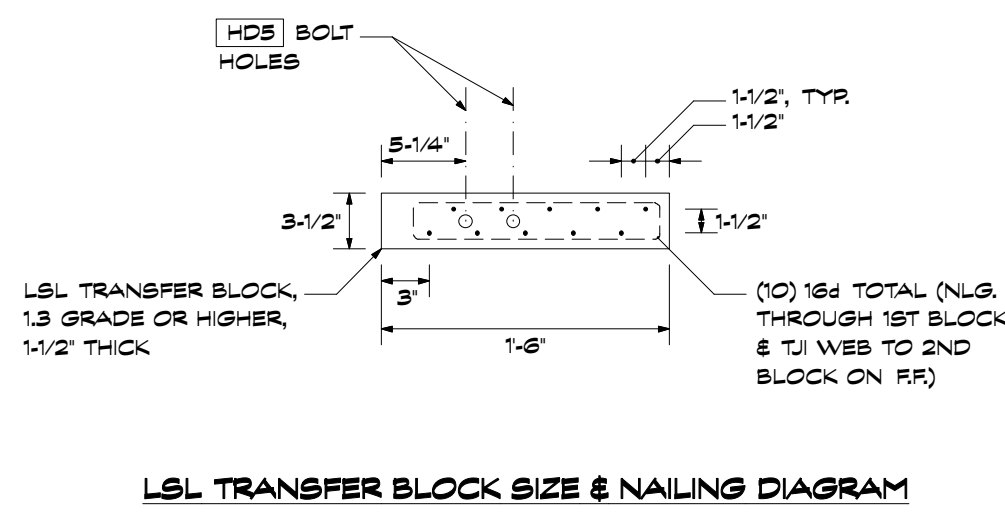
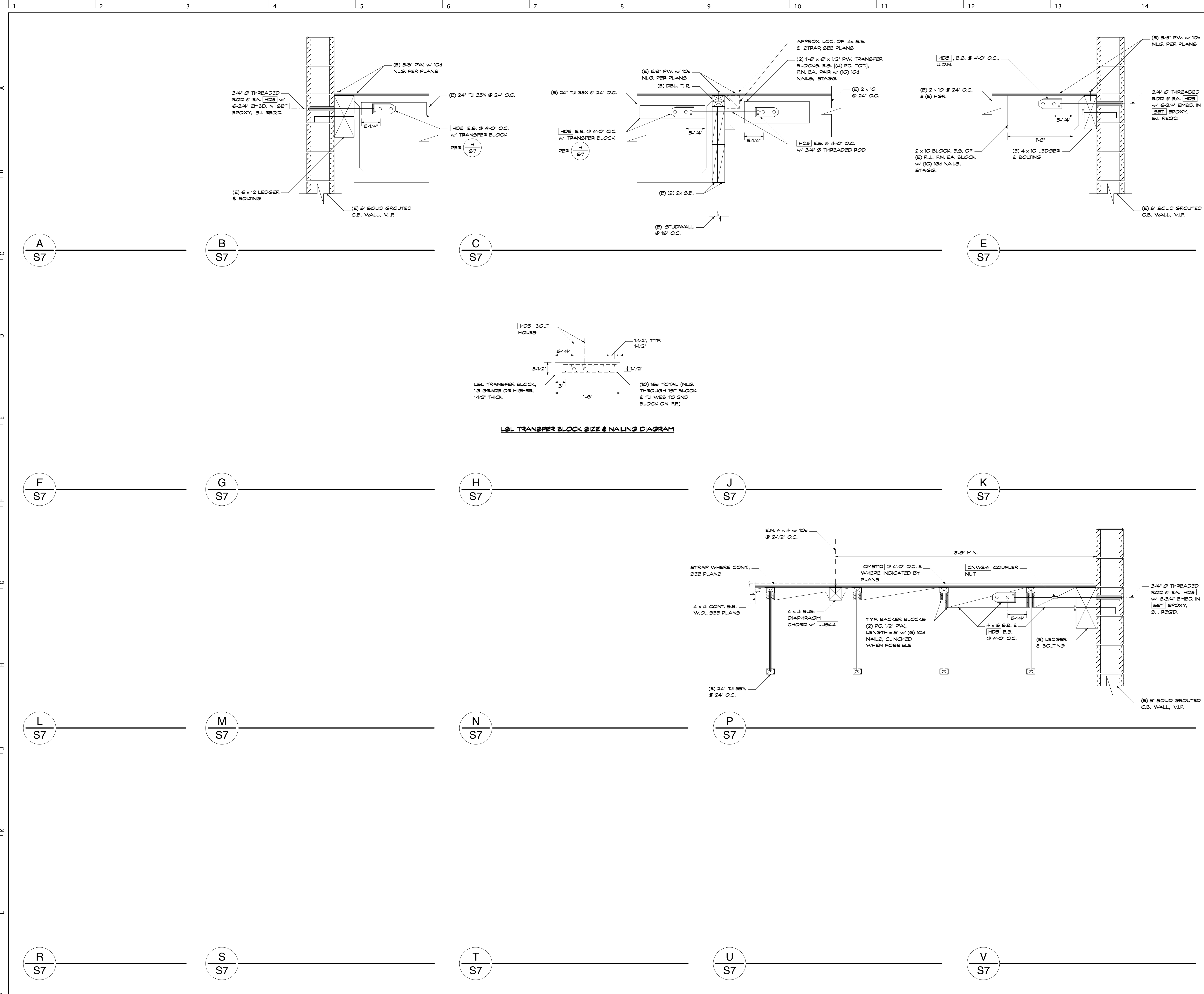
05.19.11  
DATE  
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PROJECT NO.

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REVIEWED

1" = 1'-0"  
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**S6**





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**STRUCTURAL DETAILS**

	05.19.11	12-805 (GLP 09014)
	DATE	PROJECT NO.
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	REVIEWED	
STAMP	1" = 1'-0" U.O.N. SCALE	DRAWING NO.