

				WOOD:	
				1. ALL LUMBER USED FOR STRUCTURAL PURPOSES SHALL BE "DOUGLAS FIR LARCH". ALL MEMBERS, 2" TO LESS THAN 3" THICK SHALL BE "NO. 2" GRADE OR BETTER. ALL MEMBERS 3 1/2" OR GREATER SHALL BE NO. 1 GRADE STRUCTURAL. STUD FRAMING SHALL BE "NO. 2" GRADE OR BETTER.	
				2. ALL PLYWOOD USED FOR STRUCTURAL PURPOSES SHALL CONFORM TO PRODUCT STANDARD PS 1-95 "SHEATHING & SINGLE FLOOR," EXPOSURE I. PLYWOOD MAY BE SUBSTITUTED WITH OSB OF SAME OR GREATER GRADE.	
				3. ALL RAFTERS GREATER THAN 8" IN DEPTH SHALL HAVE 2x3 CROSSBRIDGING, 2x SOLID BLOCKING, OR EQUIVALENT METAL CROSSBRIDGING PLACED BETWEEN THEM IN A CONTINUOUS LINE. THE DISTANCE BETWEEN LINES OF BRIDGING OR BETWEEN BRIDGING AND END BEARING SHALL NOT EXCEED 10'-0".	
				4. BOLT HOLES IN WOOD SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL BOLT SIZE. MEMBERS REQUIRING LAG BOLTS SHALL BE PREDRILLED WITH HOLES EQUAL TO APPROXIMATELY 70% OF THE BOLT SHANK DIAMETER. REFER TO DETAIL 10/S-1.0 FOR LAG BOLT INSTALLATION.	
				5. CUT WASHERS SHALL BE USED UNDER THE HEADS OF ALL BOLTS AND WASHERS BEARING ON WOOD.	
				6. INDIVIDUAL PLYWOOD SHEETS SHALL NOT BE LESS THAN 2'-0" IN THE LEAST DIMENSION NOR LESS THAN 8 SQUARE FEET IN AREA. USE FULL SHEETS WHEREVER POSSIBLE.	
				7. HORIZONTAL FRAMING MEMBERS SHALL NOT BE NOTCHED OR DIPPED IN ANY MANNER UNLESS SPECIFICALLY DETAILED, OR AS APPROVED BY THE ARCHITECT/ ENGINEER.	
				8. ALL WOOD FRAMING CONNECTORS SHALL BE "STRONG-TIE" SERIES AS MANUFACTURED BY THE SIMPSON CO. OR EQUAL. MANUFACTURERS BROCHURES OR CATALOGS, INDICATING EACH TYPE OF CONNECTOR AND ITS ALLOWABLE WORKING LOAD VALUE SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO INSTALLATION. EACH TYPE OF CONNECTOR AND ITS LOAD VALUE SHALL HAVE AN APPROVAL BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. (CITY OF LOS ANGELES RR#: 25711, 25712, 25713, 25714, 25716, 25718, 25719, 25720, 25725, 25726, 25800, 25801, 25802, 25803, 25804, 25806, 25807, 25814, 25818, 25827, 25828, 25851).	
				9. ALL NAILS SHALL BE COMMON WIRE NAILS, UNLESS NOTED OTHERWISE. FOR MINIMUM NAILING, SEE SCHEDULE 6/S-1.2, AND TABLE 23-II-B-1 OF THE UNIFORM BUILDING CODE.	
				10. PRE-BORE HOLES FOR NAILS WHERE MEMBERS TEND TO SPLIT.	
				11. REFER DETAIL 15/S-4.1 NOTE 6 FOR MACHINE APPLIED NAILING REQUIREMENTS.	
				12. RETIGHTEN SILL BOLT NUTS BEFORE CLOSING IN STUD WALLS.	
				13. WHEREVER BOLTS ARE SPECIFIED, THERE SHALL BE A MINIMUM OF TWO (2) BOLTS EACH PIECE WITH ONE (1) BOLT LOCATED WITHIN 12" OF END OF EACH PIECE.	
				14. SILLS RESTING ON CONCRETE WHICH ARE 1'-6" OR LESS ABOVE THE GROUND SHALL BE PRESSURE TREATED DOUGLAS FIR, OR FOUNDATION GRADE REDWOOD.	
				15. REFER TO DETAIL 8/S-4.1 FOR TYPICAL SHEAR WALL CONSTRUCTION.	
				16. ALL STUDS AND HEADERS SHALL BE GRADE MARKED.	
				17. ALL EXPOSED BOLTS, PROTRUDING THROUGH THE NUT OVER 1/4" SHALL BE CUT BACK TO FACE OF NUT AND GROUND OR FILED SMOOTH.	
				18. EXPOSED WOOD SCREWS SHALL BE FLAT HEAD AND COUNTERSUNK.	
				19. PLACE SOLID BLOCKING BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS. BLOCKING TO BE IN ONE PIECE AND SAME SIZE AS JOIST OR RAFTERS, UNLESS NOTED OTHERWISE ON THESE DRAWINGS.	
				20. STEEL MEMBERS HAVING MORE THAN ONE BOLT INTO A WOOD MEMBER SHALL BE DRILLED AS FOLLOWS: HOLES IN WOOD SHALL BE DRILLED USING STEEL PLATES AS TEMPLATES. WHERE THICKNESS OF WOOD MEMBERS EXCEEDS 5-1/2" AND STEEL PLATES ARE USED ON BOTH SIDES OF WOOD MEMBER, FIELD DRILL ONE SIDE PLATE USING THE OTHER PLATE AND WOOD MEMBERS AS TEMPLATE.	
				21. ALL PARTITION WALLS PARALLEL TO JOISTS SHALL BE SUPPORTED BY DOUBLE FLOOR JOIST. ALL PARTITION WALL PERPENDICULAR TO FLOOR JOISTS SHALL BE SUPPORTED OVER 4x4 BLOCKING WITH "Z" CLIP EACH END.	
				22. ALL PARALLEL STRAND LUMBER (PSL) SHALL BE 2.0E, 2900Fb BY TRUS JOIST MACMILLAN (ICC# 1387, LARR #25202). ALL MICROLAM LAMINATED VENEER LUMBER (LVL) SHALL BE 1.9E, 2600Fb BY TRUS JOIST MACMILLAN. (ICC #1384, COLA RR #25202). ALL TJI FLOOR JOISTS SHALL BE BY TRUS JOIST MACMILLAN (ICC #1153, COLA RR #25538).	
				23. PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, (AT 10' INTERVALS BOTH VERTICAL AND HORIZONTAL), AND IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, BETWEEN ATTIC AND CHIMNEY CHASE.	
				24. BEARING WALLS STUDS CANNOT BE NOTCHED MORE THAN 25% OF THEIR WIDTH. BORED HOLES CANNOT HAVE A DIAMETER GREATER THAN 40% OF THE STUD WIDTH.	
				25. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.	
				26. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS WITH FULL HEADS.	
				27. ALL BOLTS HOLES SHALL BE DRILLED 1/32" TO 1/16" OVERSIZED.	
				28. GLUE LAM BEAMS MUST BE FABRICATED IN A LADBS LICENSED SHOP, AND SHALL BE OF D/F No.1 LAMINATION AND GRADE PER PLAN. ALL GLUE LAM BEAMS SHALL BE 24F-V8.	
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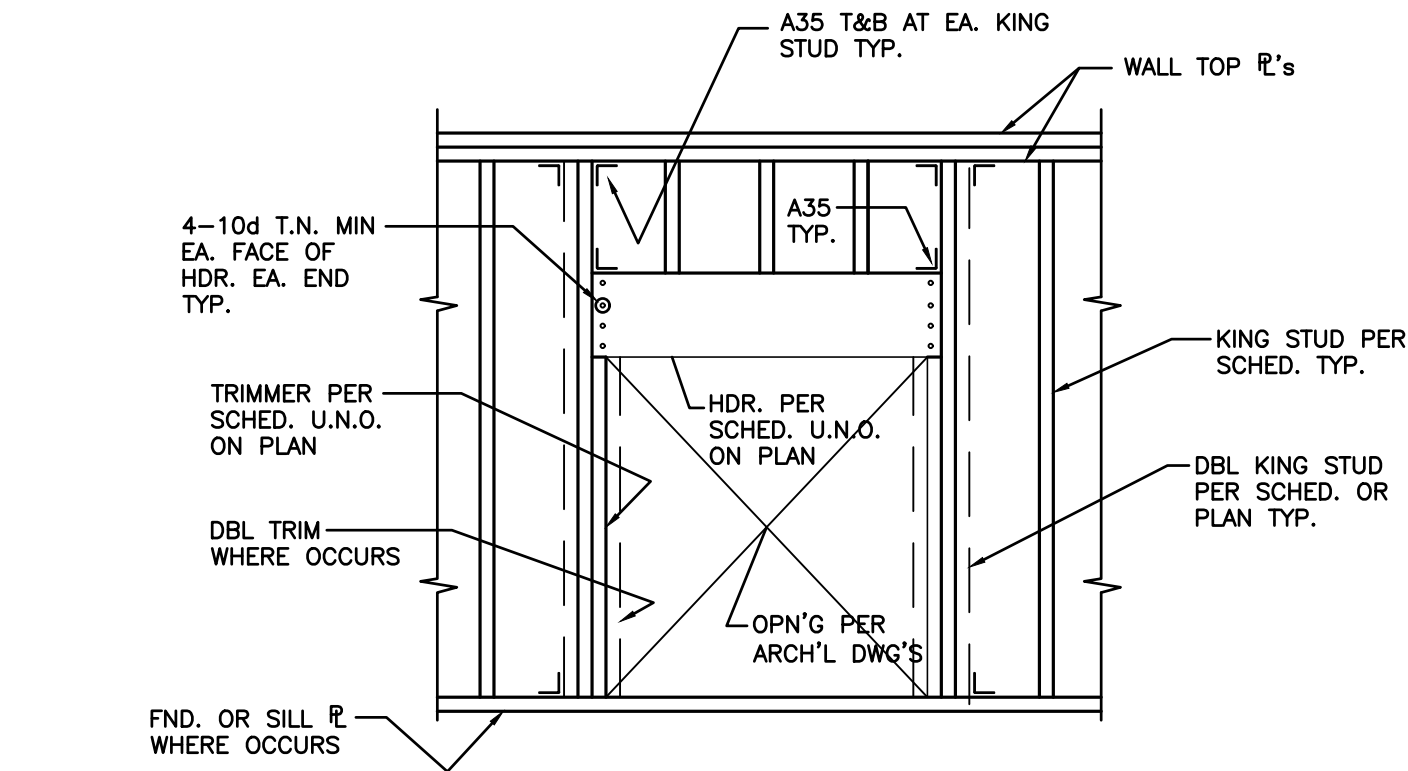
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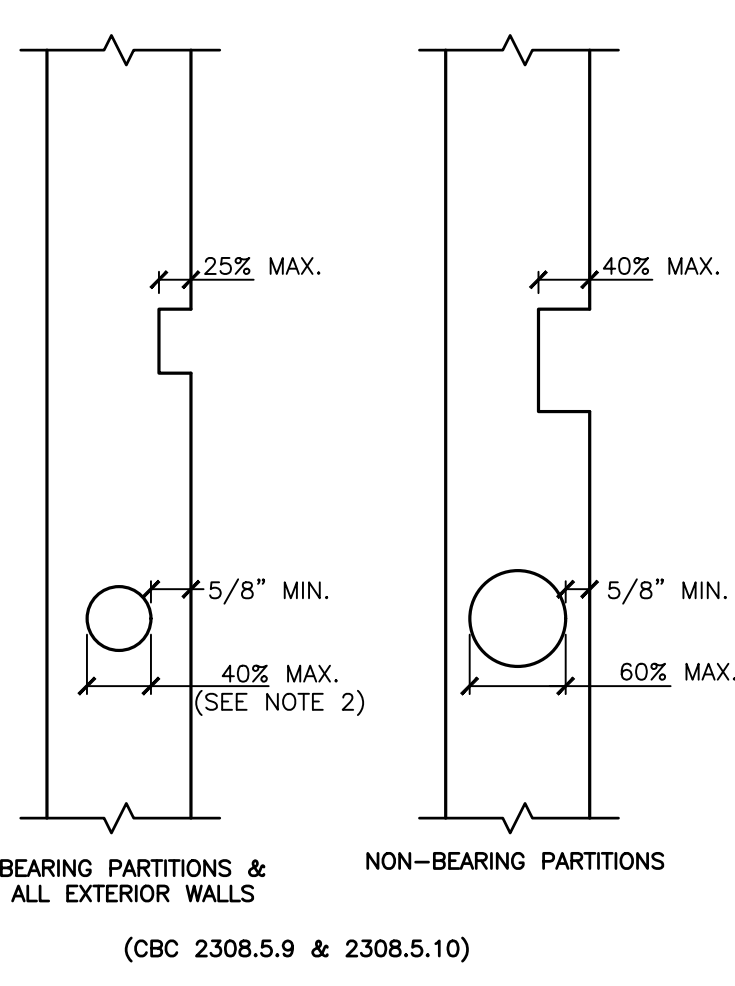
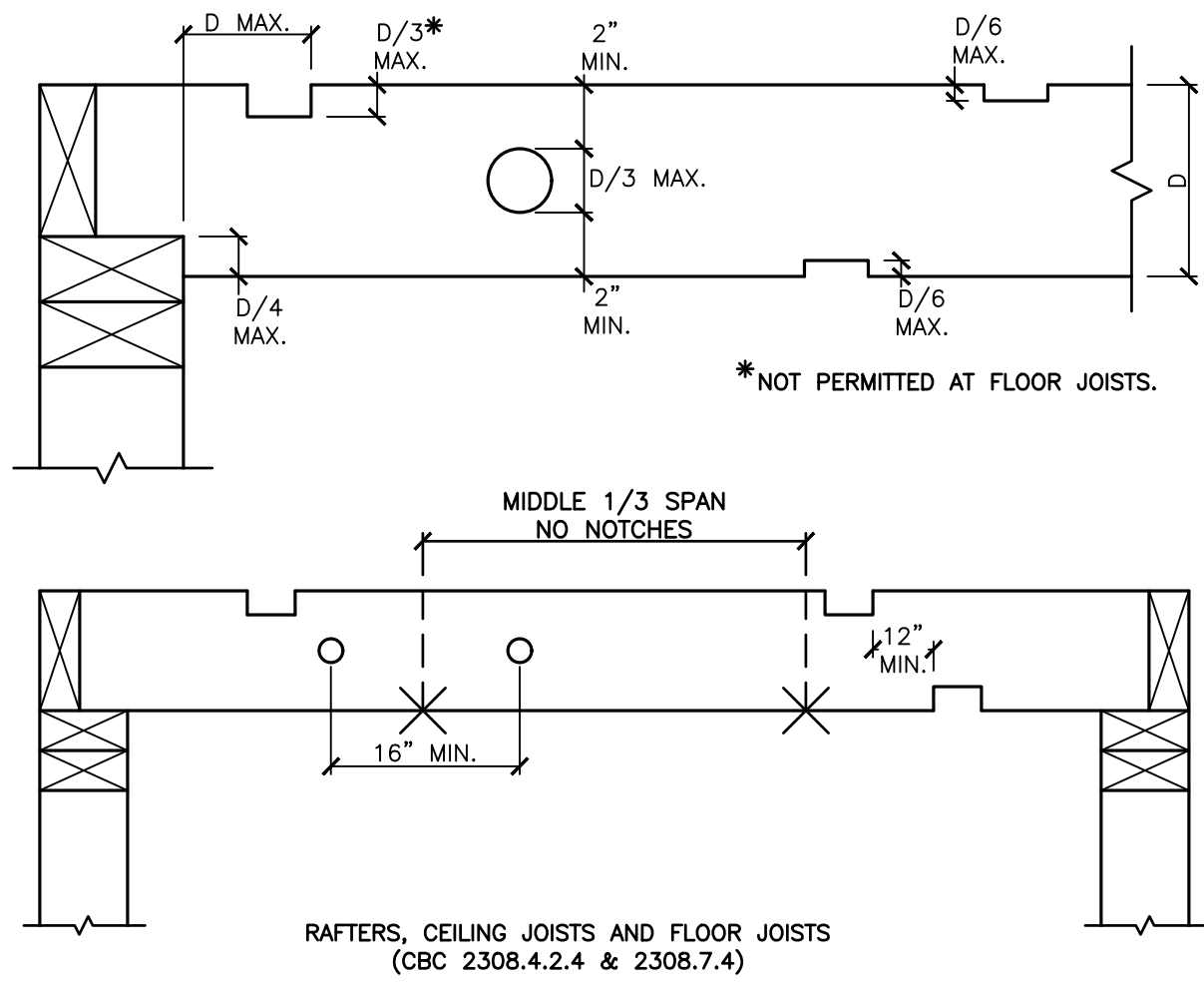
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MINIMUM NAILING REQUIREMENTS		
CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	3-8d COMMON	TOENAIL
2. BRIDGING TO JOIST	2-8d COMMON	TOENAIL EA. END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EA. JOIST	3-8d COMMON	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d @16" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	16d @16"	BRACED WALL PANELS
7. TOP PLATE TO STUD	2-16d COMMON	END NAIL
8. STUD TO SOLE PLATE	4-8d COMMON	TOENAIL
	2-8d COMMON	END NAIL
9. DOUBLE STUDS	16d @24" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d @16" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8-16d COMMON	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d COMMON	TOENAIL
12. RIM JOIST TO TOP PLATE	8d @6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTION	2-16d COMMON	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON	16" O.C. ALONG EDGE
15. CEILING JOISTS TO PLATE	3-8d COMMON	TOENAIL
16. CONTINUOUS HEADER TO STUD	4-8d COMMON	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS	3-16d COMMON	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS	3-16d COMMON	FACE NAIL
19. RAFTER TO PLATE	3-8d COMMON	TOENAIL
20. 1" DIAGONAL BRACE TO EACH STUD AN PLATE	2-8d COMMON	FACE NAIL
21. 1"x8" SHEATING TO EACH BEARING	3-8d COMMON	FACE NAIL
22. WIDER THAN 1"x8" SHEATING TO EACH BEARING	3-8d COMMON	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON	24" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2-20d COMMON	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3-10d COMMON	FACE NAIL
27. JACK RAFTER TO HIP	3-10d COMMON	TOENAIL
	2-16d COMMON	FACE NAIL
28. ROOF RAFTER TO 2-BY RIDGE BEAM	2-16d COMMON	TOENAIL
	2-16d COMMON	FACE NAIL
29. JOIST TO BAND JOIST	3-16d COMMON	FACE NAIL



STUD WALL OPENING HEADER DETAIL & SCHEDULE

4



NOTES:

(1) BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION AS A CUT OR NOTCH.

(2) BORED HOLES IN BEARING STUDS MAY BE INCREASED TO 60% IF STUDS ARE DOUBLED; NO MORE THAN TWO SUCCESSIVE DOUBLED STUDS MAY BE BORED.

SIZE	MAX. BORING
2 x 6	1-3/4"
2 x 8	2-3/8"
2 x 10	3"
2 x 12	3-3/4"
2 x 14	4-3/8"

NOTCH/BORE % OF STUD	2x4	2x6
25%	7/8"	1 3/8"
40%	1 3/8"	2 1/8"
60%	2"	3 1/4"

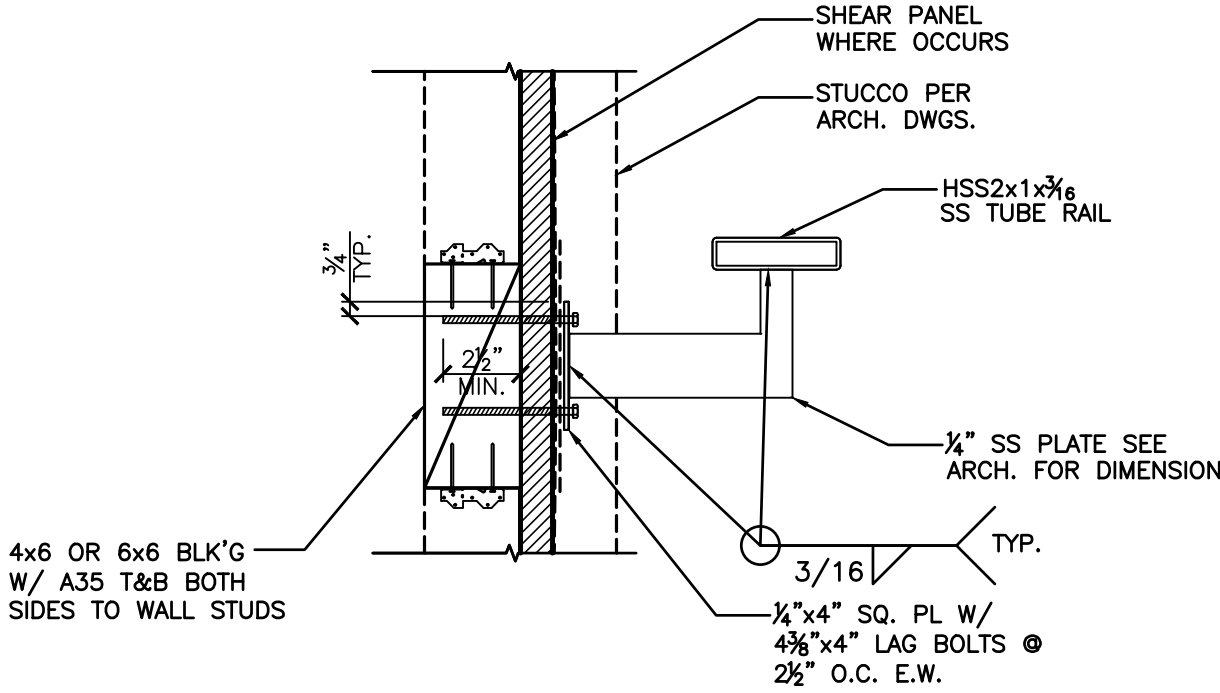
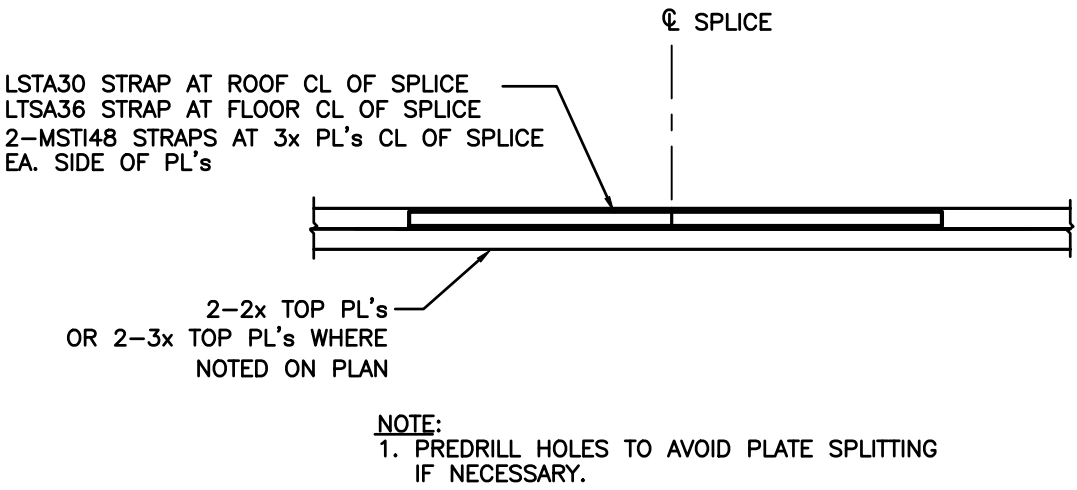
TYPICAL FRAMING NOTCH AND BORING REQUIREMENTS

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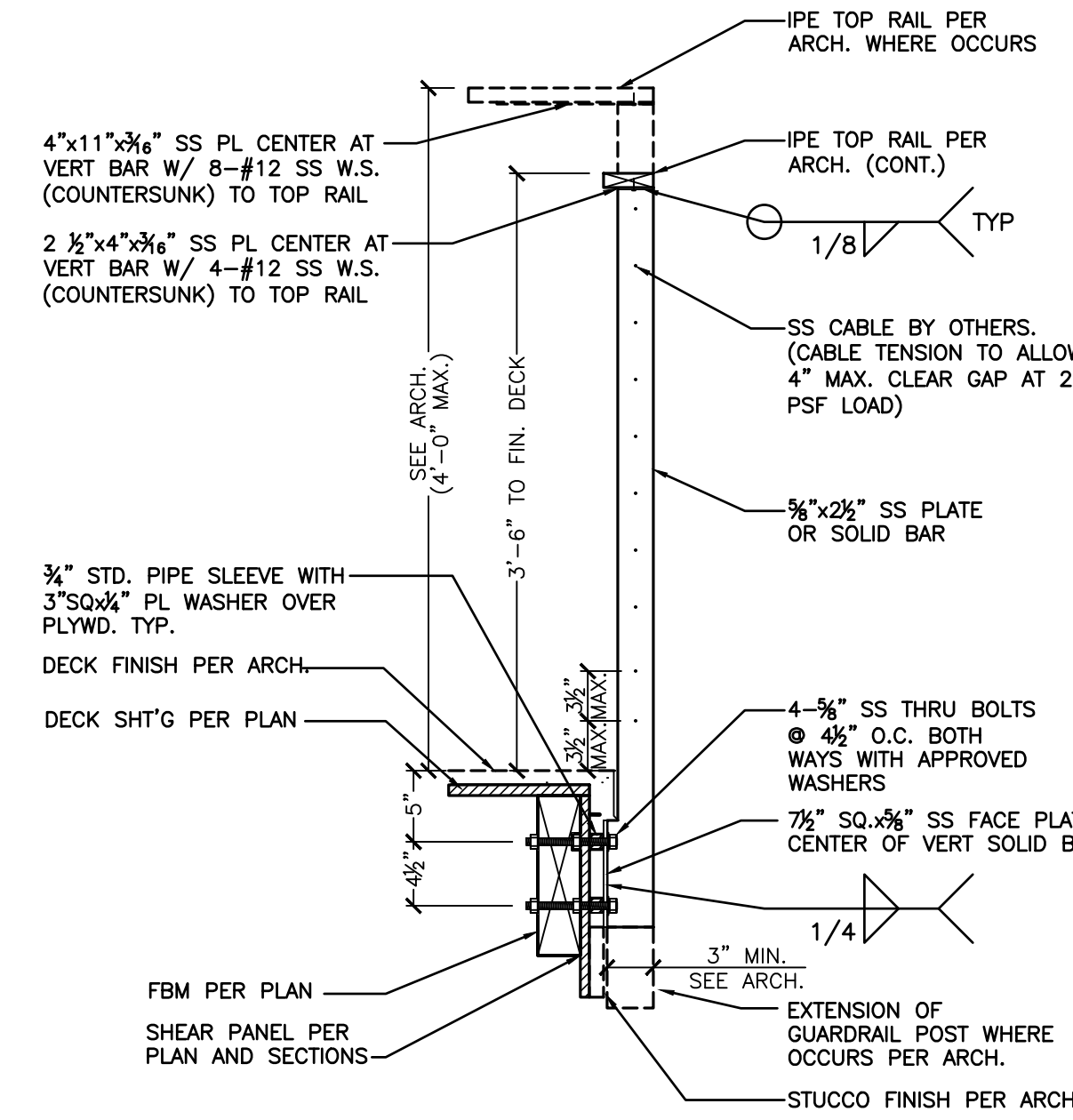
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TOP PLATE SPLICE

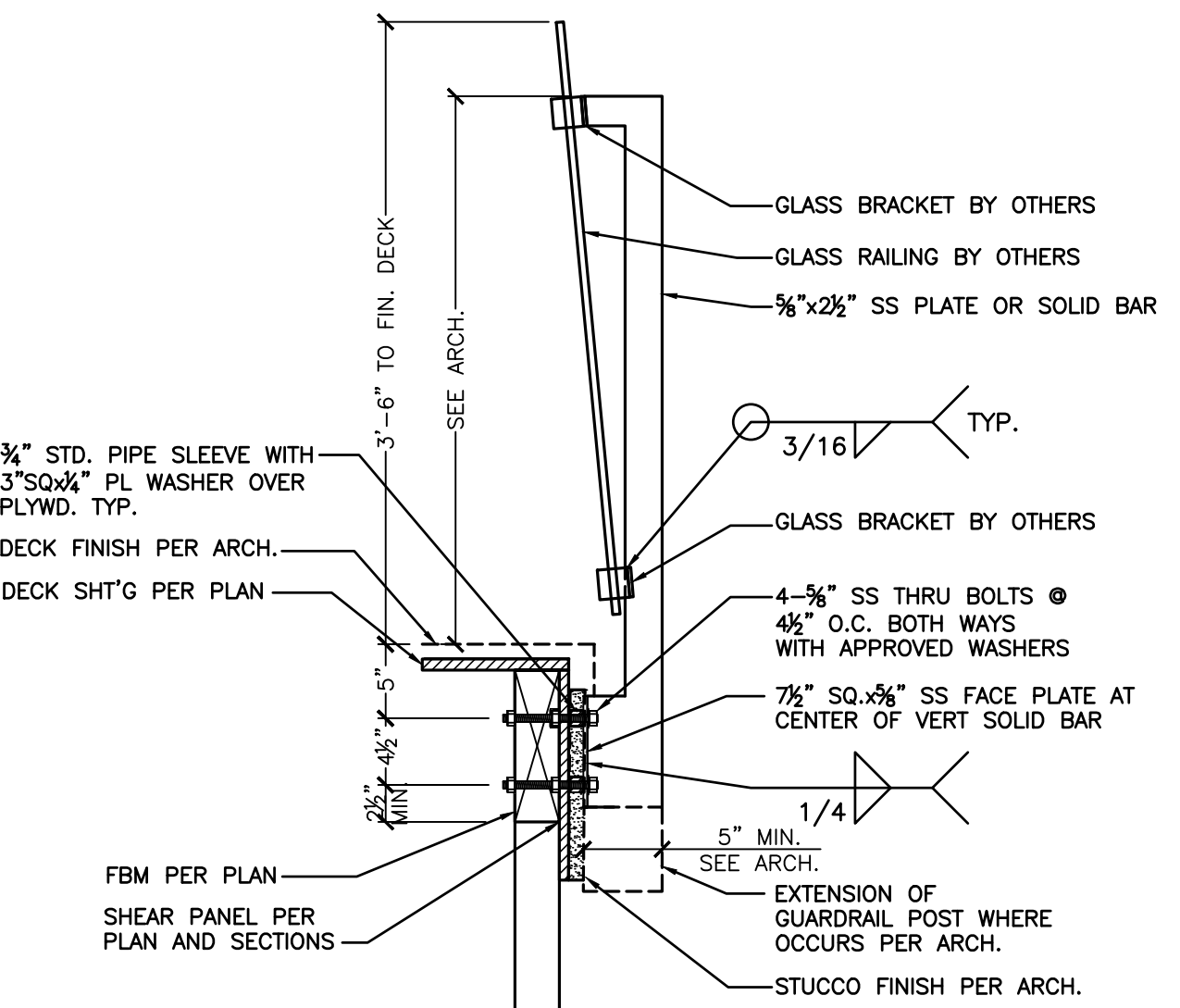
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WALL MOUNT DETAIL



CABLE RAILING DETAIL



GLASS RAILING DETAIL

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NOT USED

13

MINIMUM NAILING REQUIREMENTS

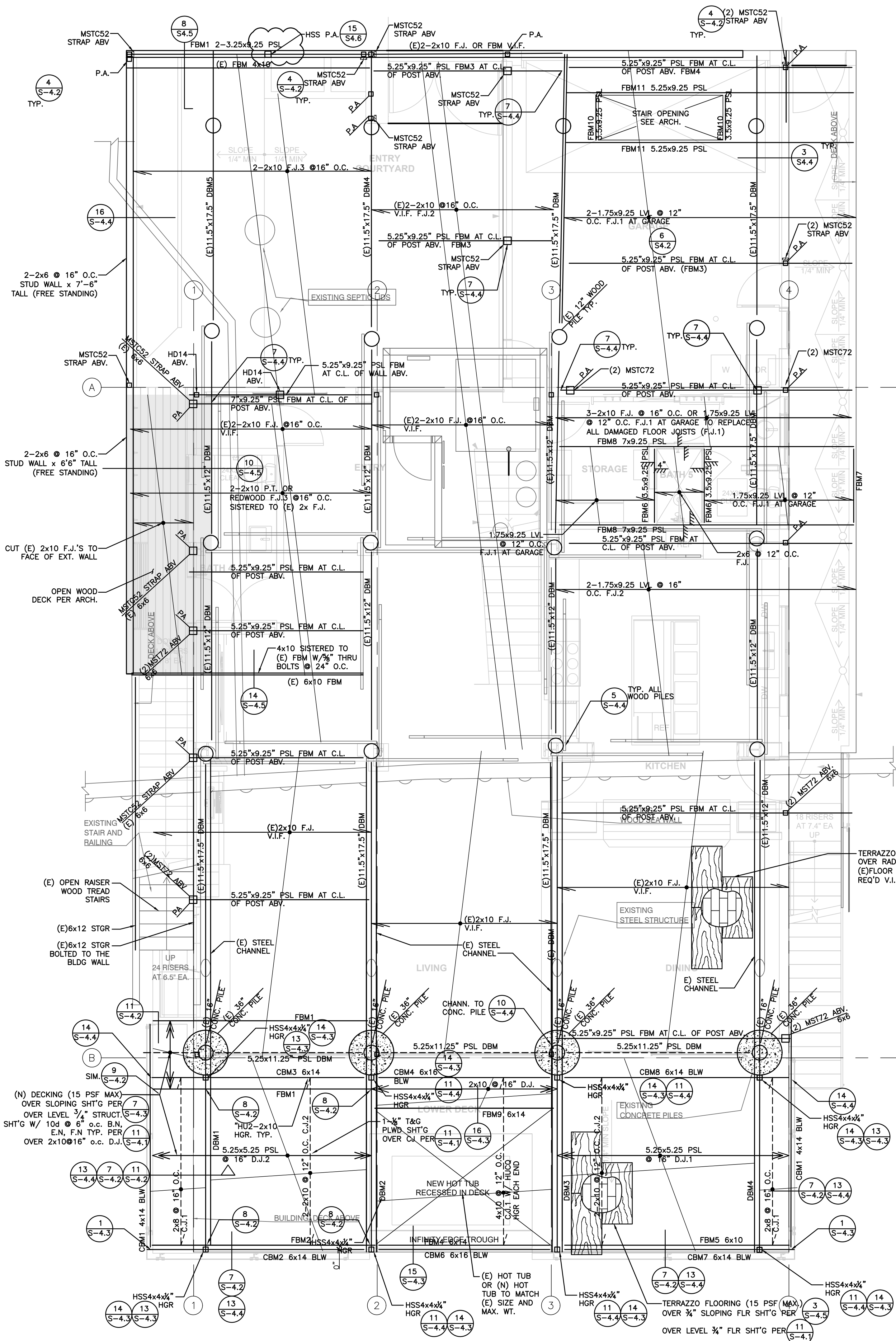
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TYPICAL FRAMING NOTCH AND BORING REQUIREMENTS

8

TYP. GLASS GUARDRAIL DETAILS

16



BEAM SCHEDULE (U.N.O.)			
BEAM TYPE	SIZE	POST SUPPORT	REMARKS
FBM1	6x10	-	-
FBM2	6x10	-	-

NOTE:
WHERE POST SIZES CARRYING MULTIPLE BEAMS CONFLICT,
USE LARGER SIZE PER TABLE.

CEILING JOIST SCHEDULE	
MAXIMUM SPAN	MIN. JOIST SIZE
9.5 FEET	2x4 AT 16" O.C.
13 FEET	2x6 AT 24" O.C.
14.5 FEET	2x6 AT 16" O.C.
19 FEET	2x8 AT 16" O.C.
22 FEET	2x10 AT 16" O.C.

ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

EARTHQUAKE DESIGN DATA:

a) SEISMIC IMPORTANCE FACTOR=1.0
OCCUPANCY CATEGORY= II
b) $S_s = 2.369$ $S_1 = 0.843$
c) SITE CLASS= D
d) $SDS = 1.759$ $SD1 = 0.843$
e) SEISMIC DESIGN CATEGORY= E
f) BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)= WOOD STRUCTURAL SHEAR PANELS HARDY PANELS
g) DESIGN BASE SHEAR= 36.8K
TOTAL WEIGHT OF BUILDING= 116.4K
h) SEISMIC RESPONSE COEFFICIENT(S), $C_s = 0.316$
i) RESPONSE MODIFICATION FACTOR(S), $R = 6.5$
j) ANALYSIS PROCEDURE USED= EQUIVALENT LATERAL LOAD
k) REDUNDANCY FACTOR USED= 1.0

HEADER SCHEDULE 2x4 WALL U.N.O.	
$L = 4'-0"$	4x6
$4'-0"$ to $< 6'-0"$	4x8
$6'-0"$ to $< 8'-0"$	4x10
$8'-0"$ to $< 10'-0"$	4x12
$10'-0"$ to $< 12'-0"$	4x14

HEADER SCHEDULE 2x6 WALL U.N.O.	
$L = 4'-0"$	6x6
$4'-0"$ to $< 6'-0"$	6x8
$6'-0"$ to $< 8'-0"$	6x10
$8'-0"$ to $< 10'-0"$	6x12
$10'-0"$ to $< 12'-0"$	6x14

FRAMING SCHEDULE (U.N.O.)	
	F.J.
	DECK JOISTS

FRAMING NOTES:

1. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.

2. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.

3. SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.

LEGEND	
	DENOTES SW PER PLAN SCHED. ON PLAN SEE DETAIL 8/S-4.1 FOR CONSTR.
	DENOTES SHEAR LINE
	DENOTES POST ABOVE TO BEAM
	DENOTES POST FROM ABOVE TO CONTINUE TO FOUNDATION (SEE S2.3 FOR SIZES)
	INDICATES STEEL TUBE OR PIPE COLUMN
HDU DENOTES SIMPSON HOLDOWN W/ 1/4x2.5 SCREWS PER MANUF. SPECS. (ICC ESR-2330, LARR #25720)	
HDR DENOTES HEADER	
RBM: ROOF BEAM	
HBM: HIP BEAM	
VBM: VALLEY BEAM	
DBM: DROPPED BEAM	
FBM: FLUSH BEAM	
LBM: DENOTES LANDING BEAM	
STGR: DENOTES STRINGER	
DFJ: DOUBLE FLOOR JOIST UNDER WALL ABOVE	
LJ: LANDING JOIST	
TJ: TRELLIS JOIST	

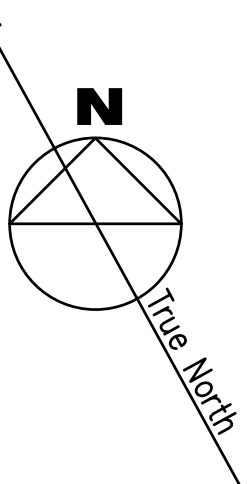
SHEAR WALL SCHEDULE												
DESCRIPTION					NAILING (5)(7)				SHEAR TRANSFER			VALUE (STGR)
									Bottom Sill	Top Plate	Mud Sill	
NO.	MATERIAL	2-SIDES (9)	BLOCKED	3x Frmg	Size	Edge	Field (1)	SDS/4x6 LAGS	LTP4 (3)	5/8" A.B.		
▽	3/8" Struct. No. 1 (3-Ply)	No	Yes	No	8d	6"	12"	16"	24"	24" (8)	368#/'	
▽	15/32" Struct. No. 1 Ply	No	Yes	No	10d	6"	12"	12"	24"	24" (8)	544#/'	
▽	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	4"	12"	12"	16"	16" (8)	816#/'	
▽	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	3"	12"	9"	12"	16" (8)	1064#/'	
▽	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	2"	12"	7"	9"	16" (8)	1392#/'	
▽	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	4"	12"	6"	7"(1-side) 15"(2-sides)	3/4" Ⓞ 16" o.c.	1632#/'	
▽	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	3"	12"	4" (6)	6"(1-side) 12"(2-sides)	3/4" Ⓞ 12" o.c.	2128#/'	
▽	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	2"	12"	3" (6)	4"(1-side) 9"(2-sides)	3/4" Ⓞ 12" o.c.	2784#/'	

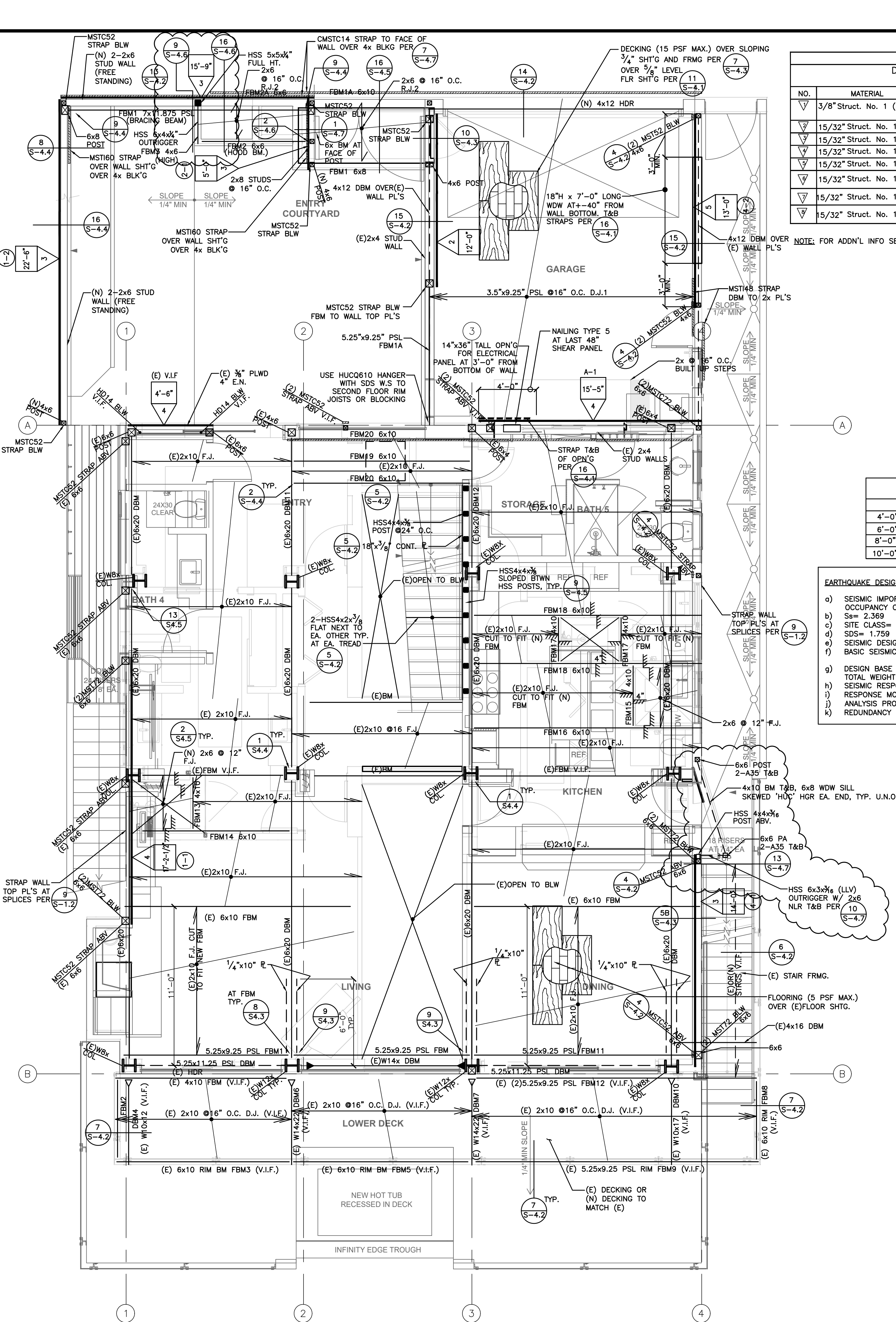
NOTE: FOR ADDN'L INFO SEE (2/S-4.1)

SHEARWALL NOTE:
AT SHEARWALL NUMBERS 3/10/8/
FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE NOT LESS THAN A SINGLE 3x NOMINAL OR LARGER MEMBER.

SPECIAL INSPECTION: (PER IACBC CHAPTER 17, SECTION 1701.5)
SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR THE FOLLOWING ITEMS:

- FIELD WELDING
- STRUCTURAL CONCRETE WITH $f'c$ GREATER THAN 2500 PSI
- EXPANSION/EPOXY ANCHORS & OTHER HIGH STRENGTH BOLTING
- SPRAYED ON FIREPROOFING
- HIGH STRENGTH MASONRY
- HIGH-LIFT GROUTING
- PRE-STRESSED CONCRETE
- LATERAL FORCE RESISTING FRAMES
- PILING, DRILLED PIERS, CAISSONS AND CONNECTING GRADE BEAMS
- PREFAB SHEAR WALL ANCHOR BOLT
- SHEAR WALL TYPES 3 THRU 6





SHEAR WALL SCHEDULE												
DESCRIPTION		NAILING (5)(7)		SHEAR TRANSFER				VALUE (STGR)				
				Bottom Sill	Top Plate	Mud Sill				plf		
NO.	MATERIAL	2-SIDES (9)	BLOCKED	3x Frmg	Size	Edge	Field (1)	SDS 1/4x6 LAGS	LTP4 (3)	5/8" A.B.		
1	3/8" Struct. No. 1 (3-Ply)	No	Yes	No	8d	6"	12"	16"	24"	24" (8)	368#/'	
2	15/32" Struct. No. 1 Ply	No	Yes	No	10d	6"	12"	12"	24"	24" (8)	544#/'	
3	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	4"	12"	12"	16"	16" (8)	816#/'	
4	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	3"	12"	9"	12"	16" (8)	1064#/'	
5	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	2"	12"	7"	9"	16" (8)	1392#/'	
6	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	4"	12"	6"	7"(1-side) 15"(2-sides)	3/4" o.c. 16" o.c.	1632#/'	
7	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	3"	12"	4" (6)	8"(1-side) 12"(2-sides)	3/4" o.c. 12" o.c.	2128#/'	
8	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	2"	12"	3" (6)	4"(1-side) 9"(2-sides)	3/4" o.c. 12" o.c.	2784#/'	

NOTE: FOR ADD'L INFO SEE (2) S4.1

FRAMING SCHEDULE (U.N.O.)

F.J.

FRAMING NOTES:

- FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.
- SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.

HEADER SCHEDULE 2x4 WALL U.N.O.

L=4'-0"	4x6
4'-0" to < 6'-0"	4x8
6'-0" to < 8'-0"	4x10
8'-0" to < 10'-0"	4x12
10'-0" to < 12'-0"	4x14

HEADER SCHEDULE 2x6 WALL U.N.O.

L=4'-0"	6x6
4'-0" to < 6'-0"	6x8
6'-0" to < 8'-0"	6x10
8'-0" to < 10'-0"	6x12
10'-0" to < 12'-0"	6x14

EARTHQUAKE DESIGN DATA:

- SEISMIC IMPORTANCE FACTOR=1.0
- OCCUPANCY CATEGORY= II
- S_s= 2.369 S₁= 0.843
- SITE CLASS= D
- SDS= 1.759 SD₁= 0.843
- SEISMIC DESIGN CATEGORY= E
- BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)= WOOD STRUCTURAL SHEAR PANELS HARDY PANELS
- DESIGN BASE SHEAR= 36.8K
- TOTAL WEIGHT OF BUILDING= 116.4K
- SEISMIC RESPONSE COEFFICIENT(S), C_s= 0.316
- RESPONSE MODIFICATION FACTOR(S), R=6.5
- ANALYSIS PROCEDURE USED= EQUIVALENT LATERAL LOAD
- REDUNDANCY FACTOR USED= 1.0

SHEARWALL NOTE:

AT SHEARWALL NUMBERS 3/7/8, FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ADJUTING PANELS SHALL BE NOT LESS THAN A SINGLE 3x NOMINAL OR LARGER MEMBER.

ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

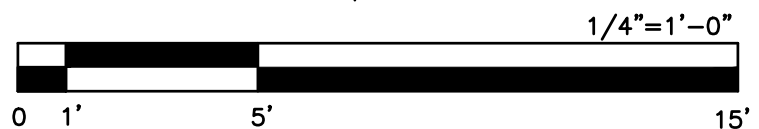
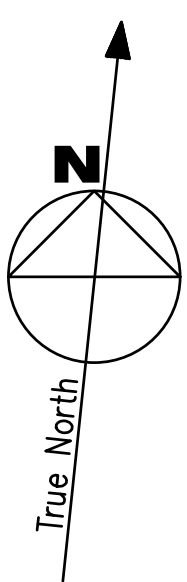
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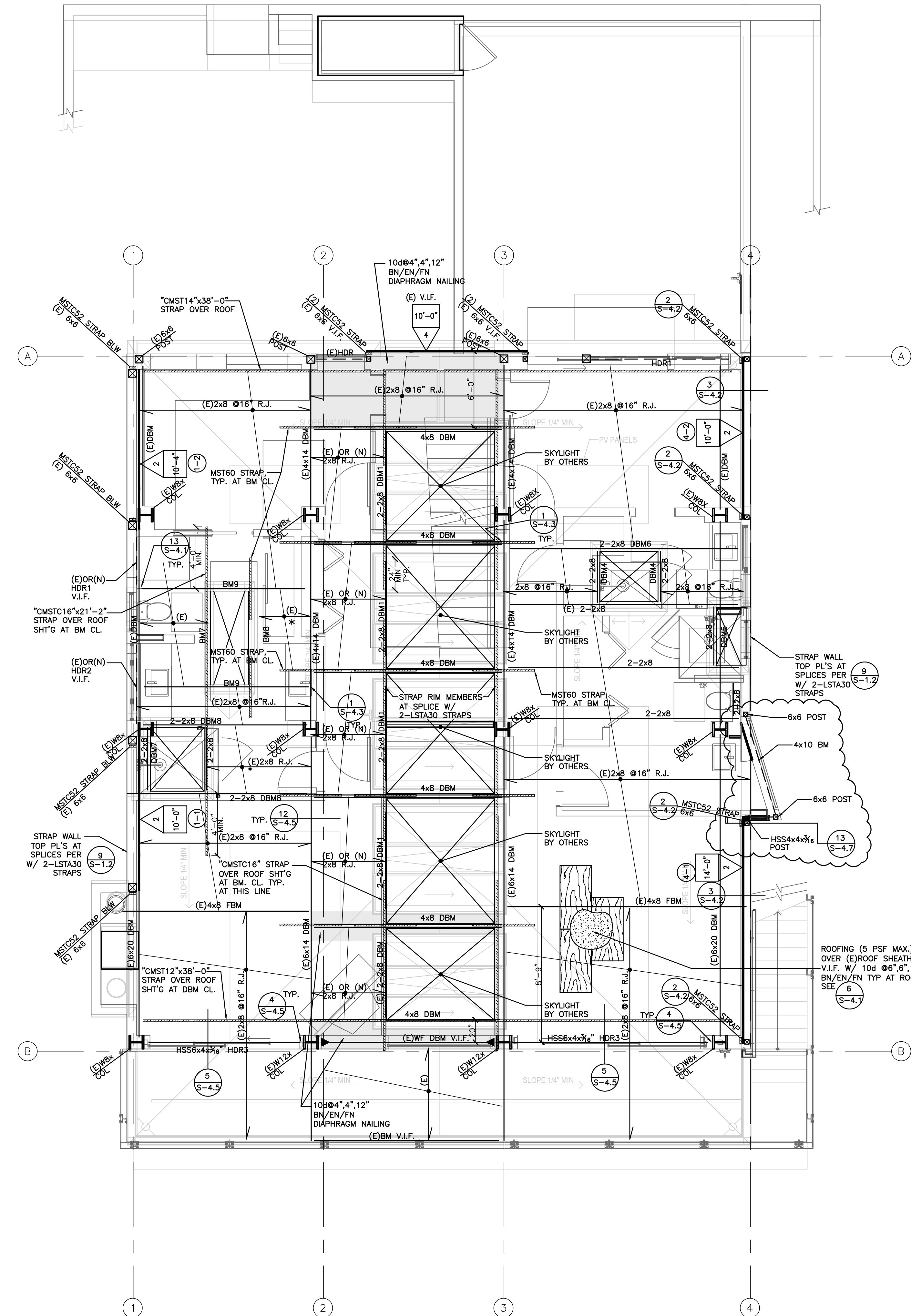
- SEE ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION, DIMENSIONS AND OTHER INFORMATION NOT SHOWN.
- INDICATES WALL SHEAR PANEL
- INDICATES TYPE OF WALL SHEAR PANEL PER PLAN SCHED.
- INDICATES LENGTH OF WALL SHEAR PANEL.
- INDICATES FLOOR WALL PER PLAN
- INDICATES MIN. WALLS OR ROOF LINE ABOVE FLOOR FRAMING
- HOLDOWN BOLTS SHALL BE RE-TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING.
- INDICATES SIMPSON STRAP OVER FLOOR SHEATHING AT BEAM OR 4x4 BLOCKING BELOW
- FOR TYPICAL WOOD FRAMING DETAILS SEE S4 SHEETS
- FOR WALL TOP PLATES SPLICE DETAIL SEE (2) S4.1
- PROVIDE DOUBLE FLOOR JOIST UNDER BEARING PARTITION WALLS PARALLEL TO JOIST & BLW BATHROOM TUB. PROVIDE 4x4 BLKG. W/"Z"-CLIP UNDER PARTITION WALLS PERPENDICULAR TO FLOOR JOIST
- ALL 2x FLOOR JOISTS SHALL BE CONNECTED TO BMS. WITH SIMPSON "LB" OR "LUS" HANGERS. ALL RAFTER SHALL BE CONNECTED TO RIDGE BEAMS WITH SIMPSON "LB" OR "LUS" HANGERS, AND TO VALLEY/HIP BEAMS WITH SIMPSON "LSU" HANGERS. U.N.O. ON PLAN OR SECTIONS.
- INDICATES DIRECTION OF SPAN OF JOISTS PER PLAN.
- FOR BM./GIRDER TO POST CONN. DETAIL SEE (2) S4.3
- FOR BM. TO GIRDER CONN. DETAIL SEE (1) S4.3 U.N.O. TYP
- ALL INTERIOR WALLS SHALL BE 2x4 MIN. @16" O.C. MAX. STUD WALLS U.N.O. ON PLAN. ALL EXTERIOR WALLS SHALL BE 2x4 MIN. @16" O.C. MAX. STUD WALL. 12'-0" OR HIGHER WALLS SHALL BE OF 2x6 MIN. @16" EXTERIOR FRAMING. SEE ARCH. DWG'S FOR WALL DIMENSIONS. ALL PLUMBING WALLS SHALL BE 2x6 MIN. @16" O.C. STUD WALLS.
- USE DOUBLE JOISTS & DOUBLE BLOCKING AT F.A.U. AND ATTIC ACCESS LOCATIONS.
- ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.
- FOR HEADER TYPE INFORMATION SEE PLAN NOTES.
- ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.
- ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
- HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE WITH TABLE 2305.5 OF THE LA BUILDING CODE.
- SHORE EXISTING FLOOR/ROOF FRAMING AS REQUIRED DURING CONSTRUCTION OF NEW FRAMING.
- ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX. ALL DIAPHRAGM
- POST GRAPHIC ON PLAN MAY NOT SHOW ACTUAL SIZE. SEE BEAM SCHEDULE OR PLAN CALL-OUT FOR POSTS SIZE.
- A COPY OF THE LOS ANGELES RESEARCH REPORT(S) AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE

SPECIAL INSPECTION: (PER LACBC CHAPTER 17, SECTION 1701.5)

SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR THE FOLLOWING ITEMS:

- FIELD WELDING
- STRUCTURAL CONCRETE WITH f'_c GREATER THAN 2500 PSI.
- EXPANSION/EPOXY ANCHORS & OTHER HIGH STRENGTH BOLTING
- SPRAYED ON FIREPROOFING
- HIGH STRENGTH MASONRY
- HIGH-LIFT GROUTING
- PRE-STRESSED CONCRETE
- LATERAL FORCE RESISTING FRAMES
- PILLING, DRILLED PIERS, CAISSONS AND CONNECTING GRADE BEAMS
- PREFAB SHEAR WALL ANCHOR BOLT
- SHEAR WALL TYPES A THRU B





FRAMING NOTES:

1. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL.
2. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.
3. SOLID BLOCKING SHALL BE PROVIDED AT ALL HORIZONTAL JOINTS OCCURRING IN BRACED WALL PANELS.

EARTHQUAKE DESIGN DATA:

- a) SEISMIC IMPORTANCE FACTOR=1.0
- b) OCCUPANCY CATEGORY= II
- c) $S_s = 2.369$ $S_1 = 0.843$
- d) SITE CLASS= D
- e) $SDS = 1.759$ $SD1 = 0.843$
- f) SEISMIC DESIGN CATEGORY= E
- g) BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)= WOOD STRUCTURAL SHEAR PANELS HARDY PANELS
- h) DESIGN BASE SHEAR= 36.8K
- i) TOTAL WEIGHT OF BUILDING= 116.4K
- j) SEISMIC RESPONSE COEFFICIENT(S), $C_s = 0.316$
- k) RESPONSE MODIFICATION FACTOR(S), $R = 6.5$
- l) ANALYSIS PROCEDURE USED= EQUIVALENT LATERAL LOAD
- m) REDUNDANCY FACTOR USED= 1.0

FRAMING SCHEDULE (U.N.O.)

(E)2x8 ROOF JOISTS	

HEADER SCHEDULE 2x4 WALL U.N.O.	
L=4'-0"	4x6
4'-0" to < 6'-0"	4x8
6'-0" to < 8'-0"	4x10
8'-0" to < 10'-0"	4x12
10'-0" to < 12'-0"	4x14

HEADER SCHEDULE 2x6 WALL U.N.O.	
L=4'-0"	6x6
4'-0" to < 6'-0"	6x8
6'-0" to < 8'-0"	6x10
8'-0" to < 10'-0"	6x12
10'-0" to < 12'-0"	6x14

CEILING JOIST SCHEDULE

MAXIMUM SPAN	MIN. JOIST SIZE
9.5 FEET	2x4 AT 16" O.C.
13 FEET	2x6 AT 24" O.C.
14.5 FEET	2x6 AT 16" O.C.
19 FEET	2x8 AT 16" O.C.
22 FEET	2x10 AT 16" O.C.

ARCHITECTURAL PLAN INFORMATION AND DIMENSIONS WHICH APPEAR AS HALF-TONE BACKGROUND ON STRUCTURAL DRAWINGS ARE ONLY FOR GENERAL REFERENCE. ALL SUCH BACKGROUND DATA MUST BE VERIFIED OR CONFIRMED WITH PERTINENT HARD-LINE ARCHITECTURAL PLANS BOUND IN THIS SET, AND MAY NOT BE USED DIRECTLY FOR BIDDING, CONSTRUCTION, OR LAYOUT PURPOSES.

NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR FINISH FLOOR ELEVATION, DIMENSIONS AND OTHER INFORMATION NOT SHOWN.
2. INDICATES WALL SHEAR PANEL
 INDICATES TYPE OF WALL SHEAR PANEL PER PLAN SCHED.
 INDICATES MIN. LENGTH OF WALL SHEAR PANEL.
3. INDICATES WALL, PER PLAN
 INDICATES ROOF LINE ABOVE FLOOR FRAMING
4. HOLDOWN BOLTS SHALL BE RE-TIGHTENED JUST PRIOR TO COVERING THE WALL FRAMING.
5. INDICATES SIMPSON STRAP OVER ROOF SHEATHING AT BEAM OR 4x4 BLOCKING BELOW
6. FOR TYPICAL WOOD FRAMING DETAILS SEE S4 SHEETS
7. FOR WALL TOP PLATES SPLICE DETAIL SEE
8. PROVIDE DOUBLE FLOOR JOIST UNDER BEARING PARTITION WALLS PARALLEL TO JOIST & BLW BATHROOM TUB. PROVIDE 4x4 BLKG. W/"Z"-CLIP UNDER PARTITION WALLS PERPENDICULAR TO FLOOR JOIST
9. ALL 2x FLOOR JOISTS SHALL BE CONNECTED TO BMS. WITH SIMPSON "LB" OR "LUS" HANGERS. ALL RAFTER SHALL BE CONNECTED TO RIDGE BEAMS WITH SIMPSON "LB" OR "LUS" HANGERS, AND TO VALLEY/HIP BEAMS WITH SIMPSON "LSU" HANGERS. U.N.O. ON PLAN OR SECTIONS.
10. INDICATES DIRECTION OF SPAN OF JOISTS PER PLAN.
11. FOR BM./GIRDER TO POST CONN. DETAIL SEE
12. FOR BM. TO GIRDER CONN. DETAIL SEE U.N.O. TYP
13. ALL INTERIOR WALLS SHALL BE 2x4 MIN. @ 16" O.C. MAX. STUD WALLS U.N.O. ON PLAN. ALL EXTERIOR WALLS SHALL BE 2x4 MIN. @ 16" O.C. MAX. STUD WALL. 12'-0" OR HIGHER WALLS SHALL BE OF 2x6 MIN. @ 16" EXTERIOR FRAMING. SEE ARCH. DWG'S FOR WALL DIMENSIONS. ALL PLUMBING WALLS SHALL BE 2x6 MIN. @ 16" O.C. STUD WALLS.
14. USE DOUBLE JOISTS & DOUBLE BLOCKING AT F.A.U. AND ATTIC ACCESS LOCATIONS.
15. ALL FIELD CONDITIONS SHALL BE VERIFIED IN FIELD BY GENERAL CONTRACTOR BEFORE WORK BEGINS. ANY DEVIATION FROM THESE DRAWINGS SHALL BE NOTIFIED TO ARCHITECT/ENGINEER IN A TIMELY MANNER FOR REVISIONS OF CONSTRUCTION DOCUMENTS.
16. FOR HEADER TYPE INFORMATION SEE PLAN NOTES.
17. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING. FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR SHALL HAVE TONGUE AND GROOVE OR BLOCKED PANEL EDGES. PLYWOOD SPANS SHALL CONFORM WITH TABLE 2304.7.
18. ALL BOLT HOLES SHALL BE DRILLED 1/32 TO 1/16" OVERSIZED.
19. HOLDOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS; AND HOLD-DOWNS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR COVERING THE WALL FRAMING. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE WITH TABLE 2305.5 OF THE LA BUILDING CODE.
20. SHORE EXISTING FLOOR/ROOF FRAMING AS REQUIRED DURING CONSTRUCTION OF NEW FRAMING.
21. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR GALVANIZED BOX. ALL
22. POST GRAPHIC ON PLAN MAY NOT SHOW ACTUAL SIZE. SEE BEAM SCHEDULE OR PLAN CALL-OUT FOR POSTS SIZE.
23. A COPY OF THE LOS ANGELES RESEARCH REPORT(S) AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE

LEGEND

- DENOTES SW PER PLAN SCHED. SEE DETAIL 8/S-4.1 FOR CONSTR.
- DENOTES SHEAR LINE
- DENOTES HOLDOWN ABOVE TO BEAM
- DENOTES POST ABOVE TO BEAM
- DENOTES WOOD POST
- INDICATES STEEL TUBE OR PIPE COLUMN
- HDU DENOTES SIMPSON HOLDOWN W/ 1/4x2.5 SCREWS PER MANUF. SPECS. (ICC ESR-2330, LARR #25720)
- DBM: DENOTES DROPPED BEAM BELOW FLOOR/ROOF JOISTS.
- HDR: DENOTES HEADER
- RBM: RIDGE BEAM
- HBM: HIP BEAM
- VBM: VALLEY BEAM
- FBM: FLUSH BEAM
- LBM: DENOTES LANDING BEAM
- TBM: TRELLIS BEAM

SPECIAL INSPECTION: (PER LACBC CHAPTER 17, SECTION 1701.5)

SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED FOR THE FOLLOWING ITEMS:

- ☒ FIELD WELDING
- ☒ STRUCTURAL CONCRETE WITH f'_c GREATER THAN 2500 PSI.
- ☒ EXPANSION/EPOXY ANCHORS & OTHER HIGH STRENGTH BOLTING
- ☐ SPRAYED ON FIREPROOFING
- ☐ HIGH STRENGTH MASONRY
- ☐ HIGH-LIFT GROUTING
- ☐ PRE-STRESSED CONCRETE
- ☐ LATERAL FORCE RESISTING FRAMES
- ☐ PILING, DRILLED PIERS, CAISSONS AND CONNECTING GRADE BEAMS
- ☒ PREFAB SHEAR WALL ANCHOR BOLT
- ☒ SHEAR WALL TYPES THRU

SHEAR WALL SCHEDULE										
DESCRIPTION				NAILING (5)(7)			SHEAR TRANSFER			VALUE (STGR)
NO.	MATERIAL	2-SIDES (9)	BLOCKED	3x Frmg	Size	Edge Field (1)	Bottom Sill	Top Plate	Mud Sill	plf
	3/8" Struct. No. 1 (3-Ply)	No	Yes	No	8d	6" 12"	16"	24"	24" (8)	368#/'
	15/32" Struct. No. 1 Ply	No	Yes	No	10d	6" 12"	12"	24"	24" (8)	544#/'
	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	4" 12"	12"	16"	16" (8)	816#/'
	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	3" 12"	9"	12"	16" (8)	1064#/'
	15/32" Struct. No. 1 Ply	No	Yes	Yes (4)	10d	2" 12"	7"	9"	16" (8)	1392#/'
	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	4" 12"	6"	7"(1-side) 15"(2-sides)	3/4" @ 16" o.c.	1632#/'
	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	3" 12"	4" (6)	6"(1-side) 12"(2-sides)	3/4" @ 12" o.c.	2128#/'
	15/32" Struct. No. 1 Ply	Yes (9)	Yes	Yes (4)	10d	2" 12"	3" (6)	4"(1-side) 9"(2-sides)	3/4" @ 12" o.c.	2784#/'

NOTE: FOR ADD'N INFO SEE

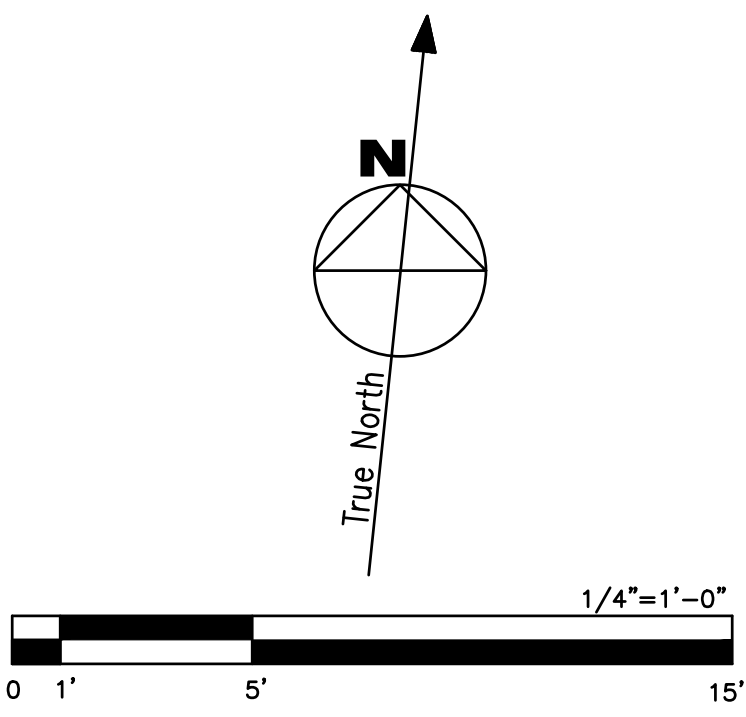
SHEARWALL NOTE:

AT SHEARWALL NUMBERS TO , FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL BE NOT LESS THAN A SINGLE 3x NOMINAL OR LARGER MEMBER.

BEAM SCHEDULE (U.N.O.)

BEAM TYPE	SIZE	POST SUPPORT	REMARKS
BM7	4x12	-	-
BM8	4x12	-	-
BM9	4x12	-	-
HDR1	6x6	-	-
HDR2	4x6	-	-

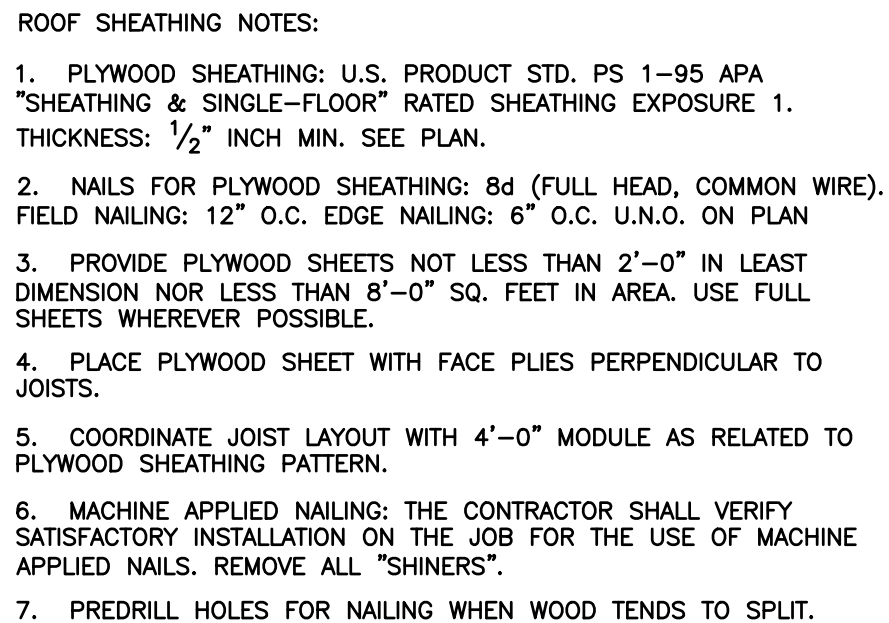
NOTE: WHERE POST SIZES CARRYING MULTIPLE BEAMS CONFLICT, USE LARGER SIZE PER TABLE.



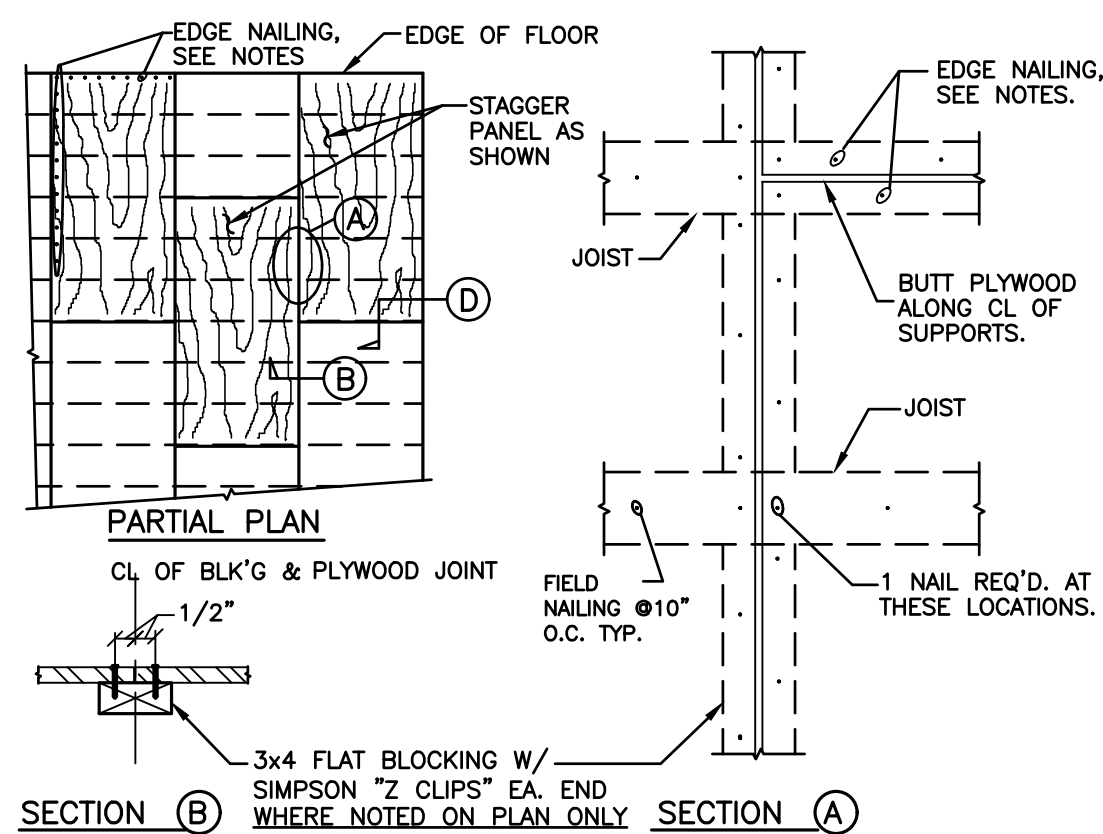
SHEAR WALL NOTES:

- (1) Nailing to studs per plan at 16" o.c.
All nails to be common nails.
- (2) 16d common nail transfer thru bottom sill or $\frac{3}{8}$ " dia. lags, see note (6).
- (3) "Simpson" LTP4 flat framing anchor.
- (4) 3x framing required at all panel edges, and bottom sill plate, except double top-plates. Nails to be staggered. Minimum $\frac{1}{2}$ " edge nailing distance at panel ends and edges, $\frac{1}{4}$ " edge distance requirements also apply to all plates, posts, and studs.
- (5) Nails shall be staggered in two lines along parallel edges when spacing is 2" on center, or when 10d common nails spaced 3" o.c. penetrate framing more than 1- $\frac{3}{4}$ ".
- (6) At bottom sill plate transfer provide $\frac{3}{8}$ " dia. lag bolts 3" into blocking below. Pre-drill for all lags.
- (7) The use of nail guns for shearwall nailing is subject to a satisfactory jobsite demonstration and approval by the structural engineer of record prior to framing. The approval is subject to continued satisfactory performance. If the nail heads penetrate the outer ply more than would be normal for a hand held hammer, or if the minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory and will not be approved. Clipped head nails are not permitted.
- (8) Approved plate washers, 3"x30 x.0299" R are to be used in lieu of cut washers.
- (9) Where panels are applied on both sides of a wall & nail spacing is less than 6" o.c., panel joints shall be offset to fall on different studs. Studs supporting panel edges to be 3x min. Nails on each side of wall shall be staggered to prevent 'stud blow-out'.

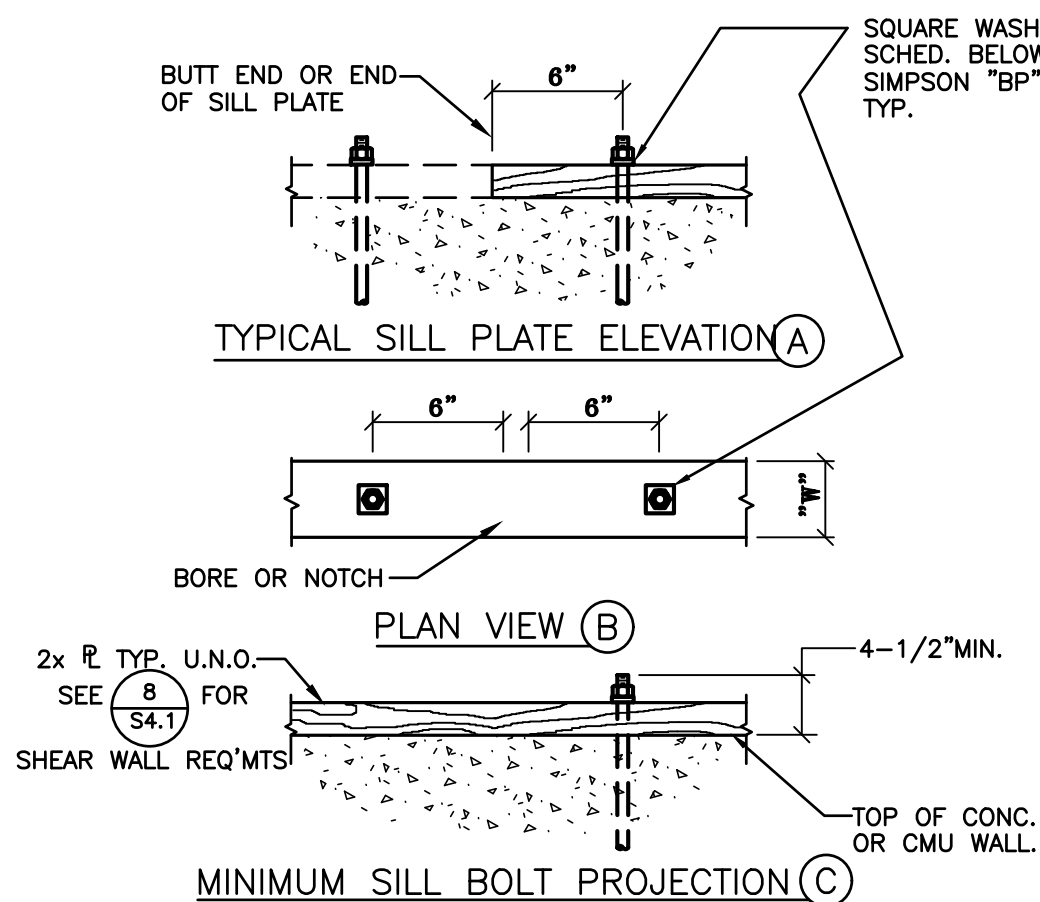
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6

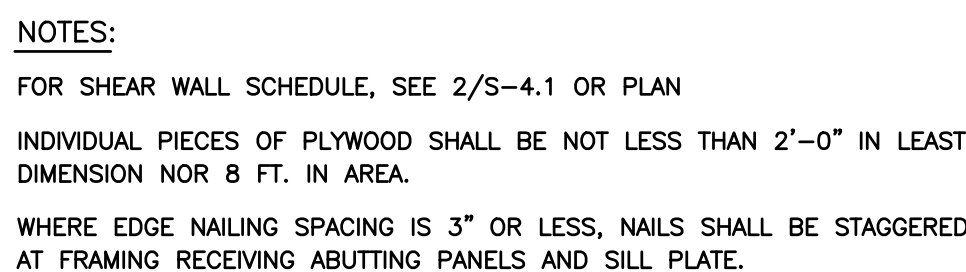


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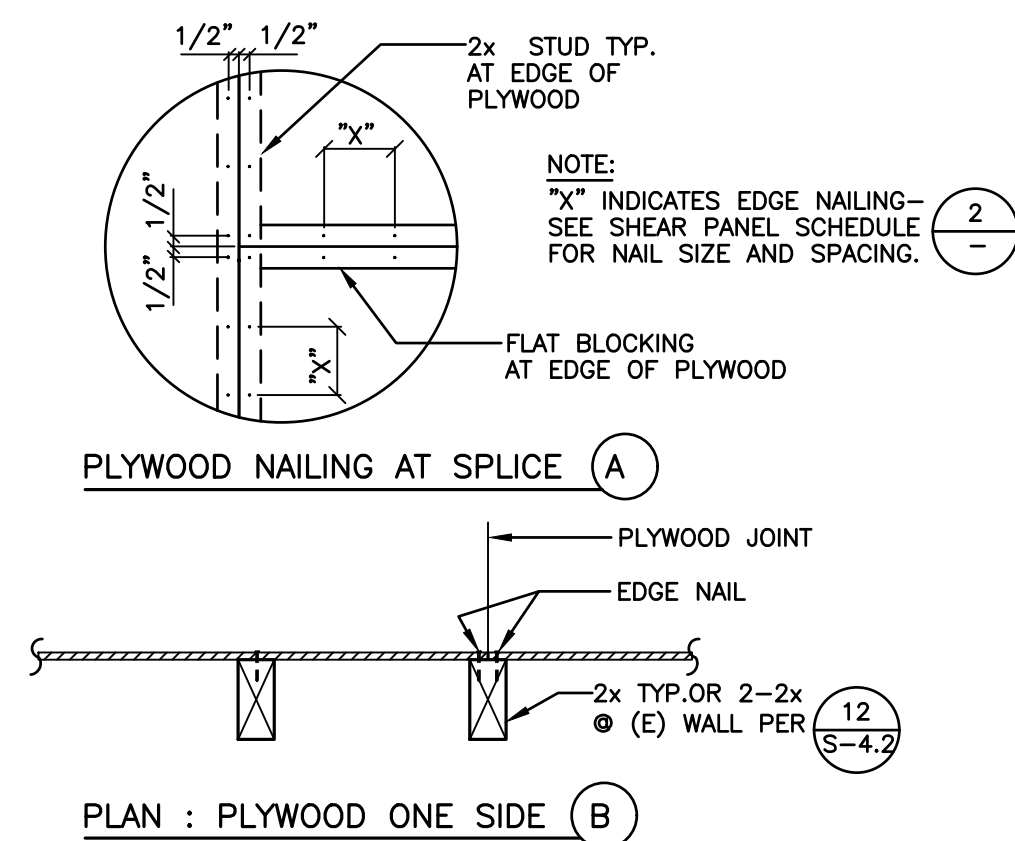
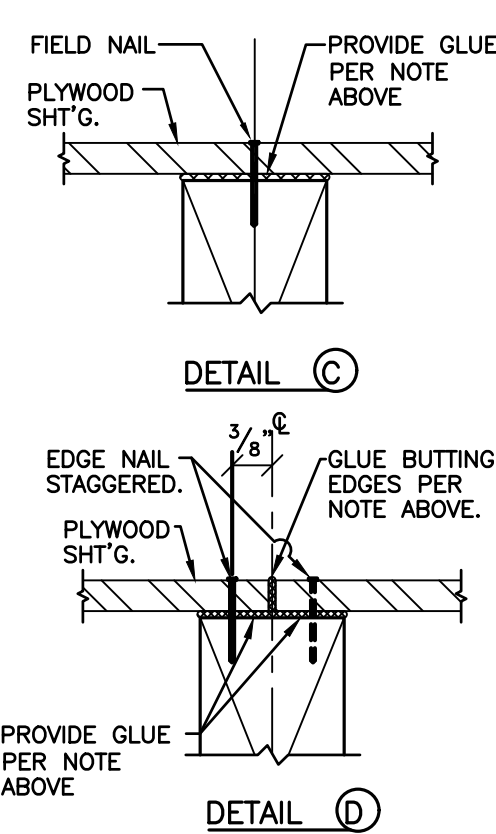


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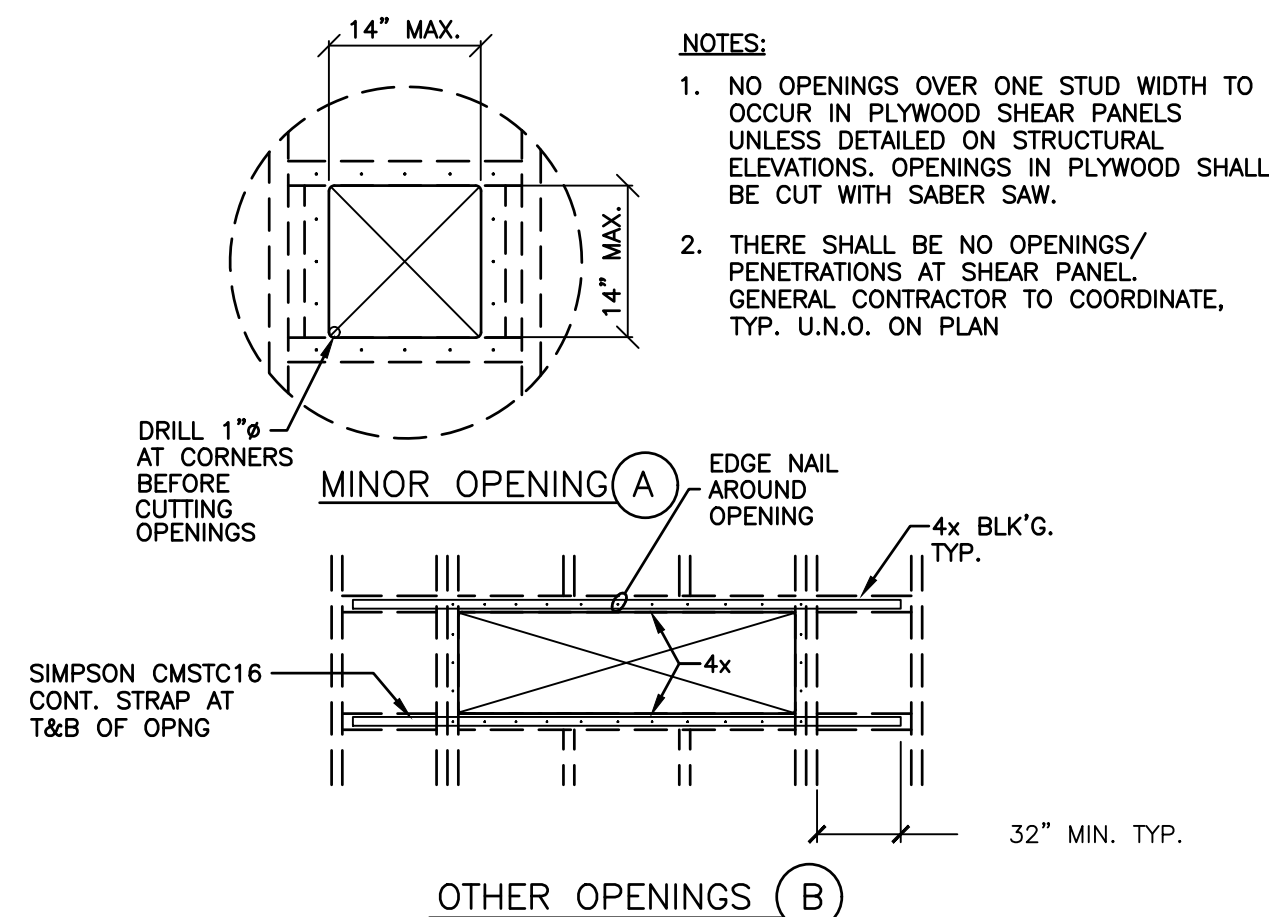
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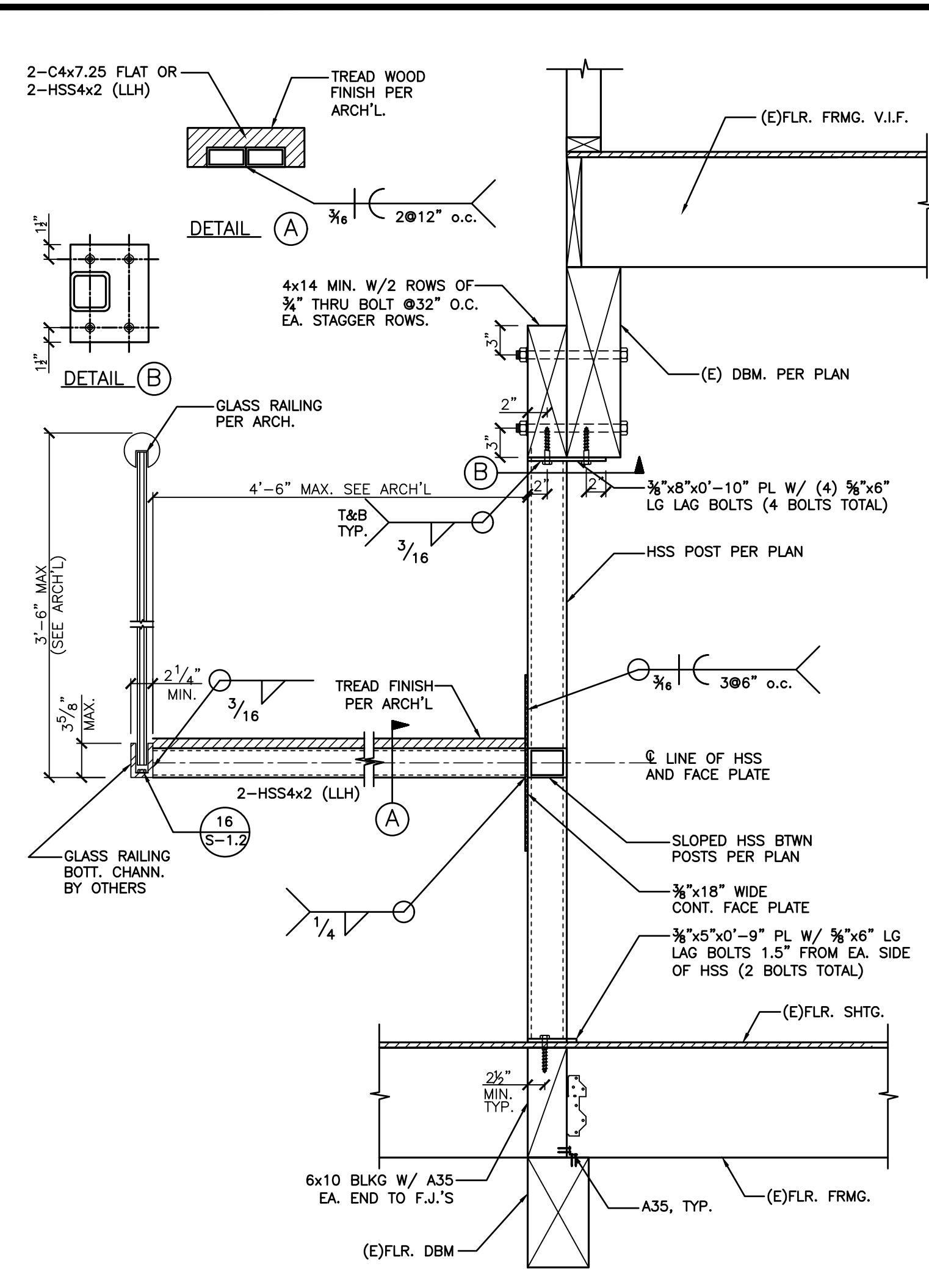
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12

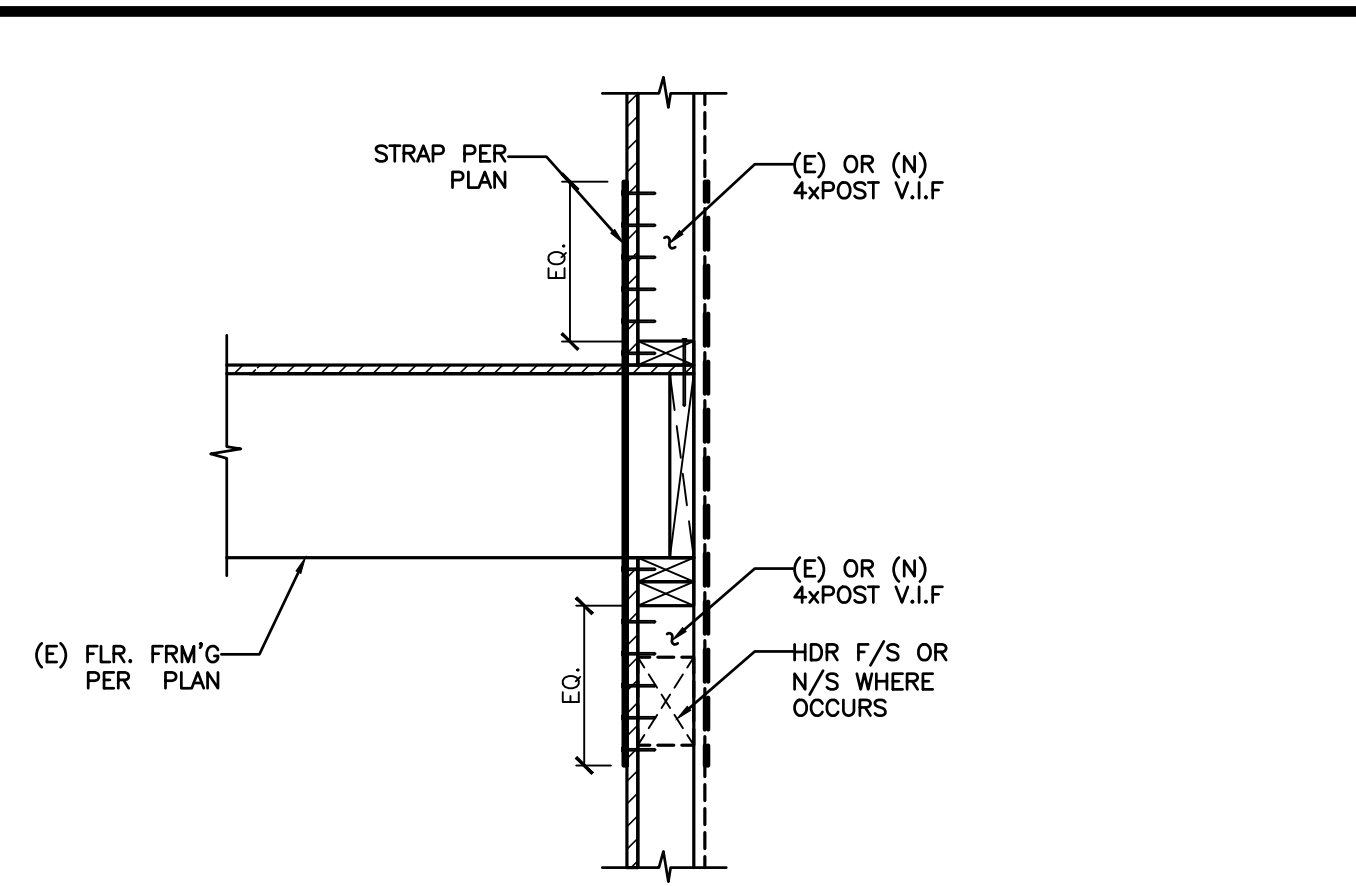


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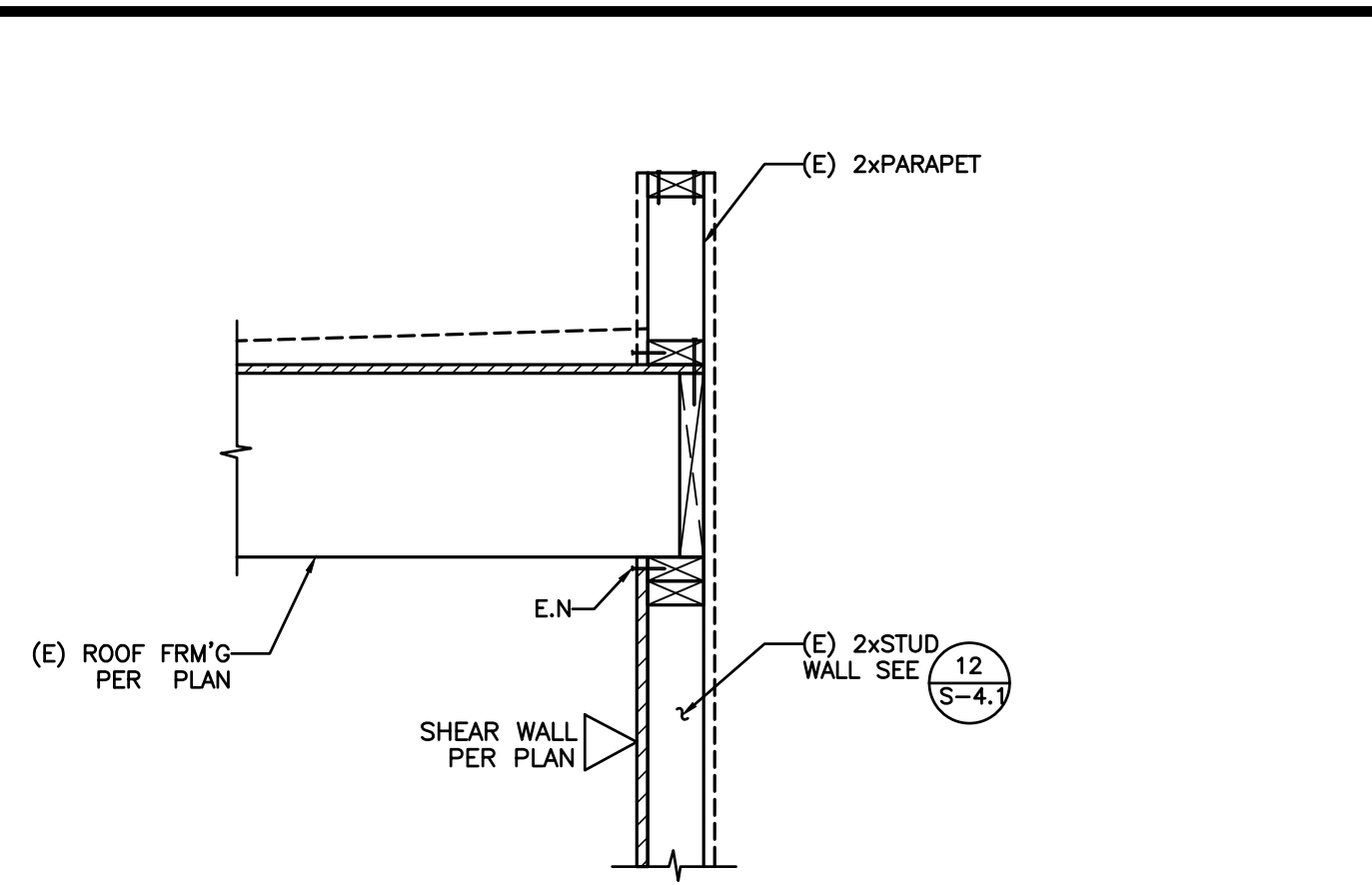
FLOATING STAIR FRAMING DETAIL

5



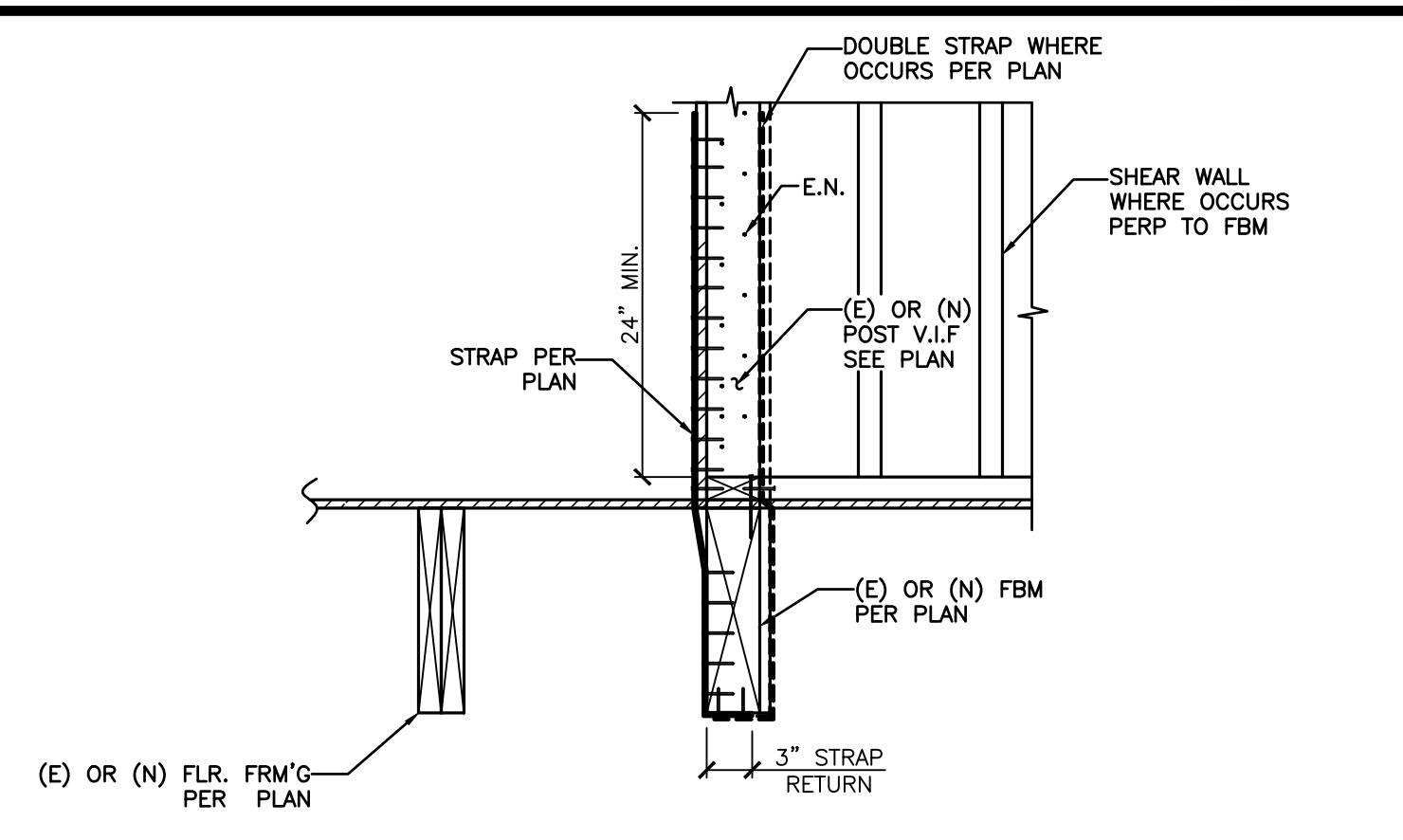
SHEARWALL STRAP DETAIL

2



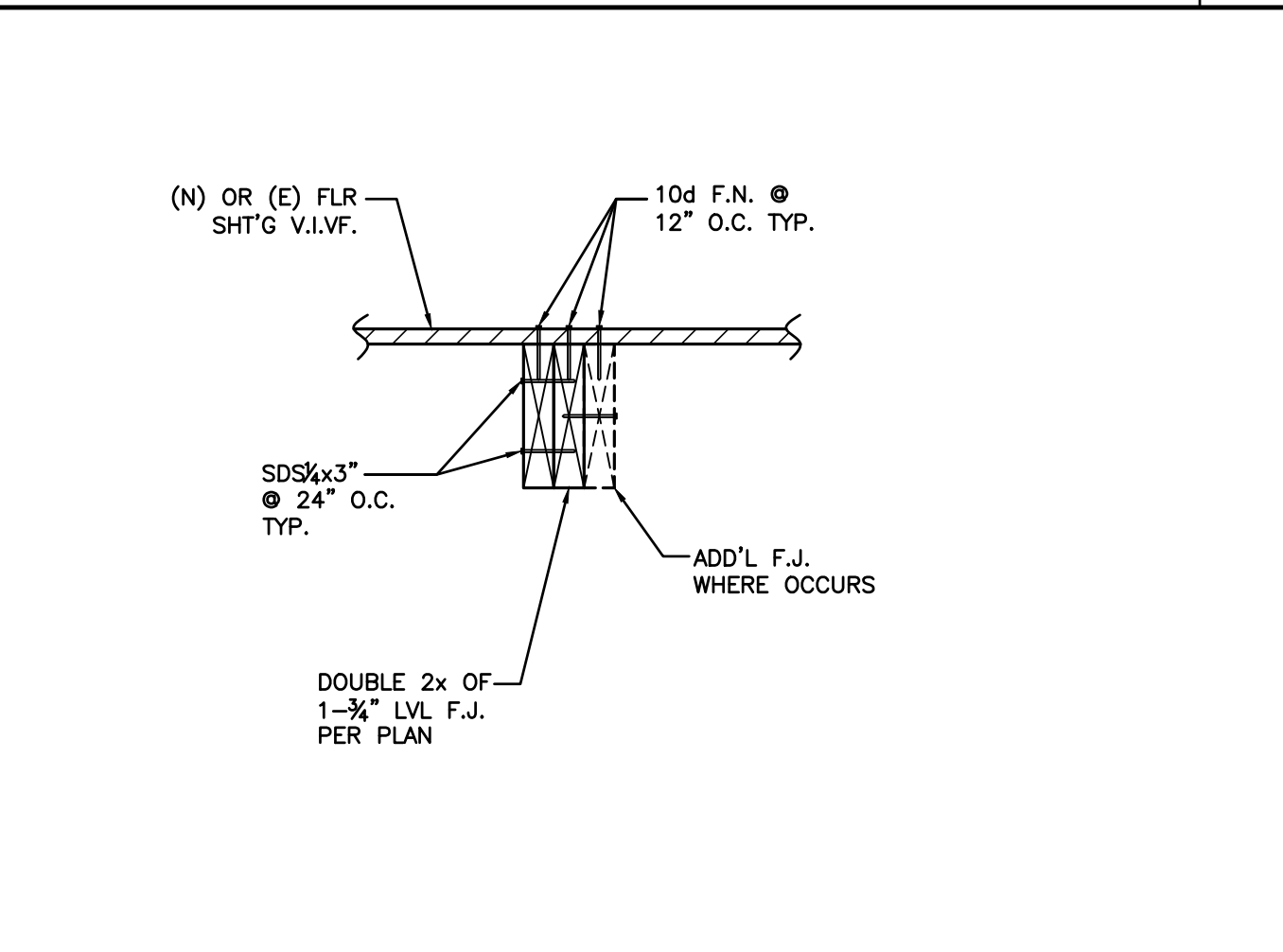
S.W CONNECTION AT ROOF

3



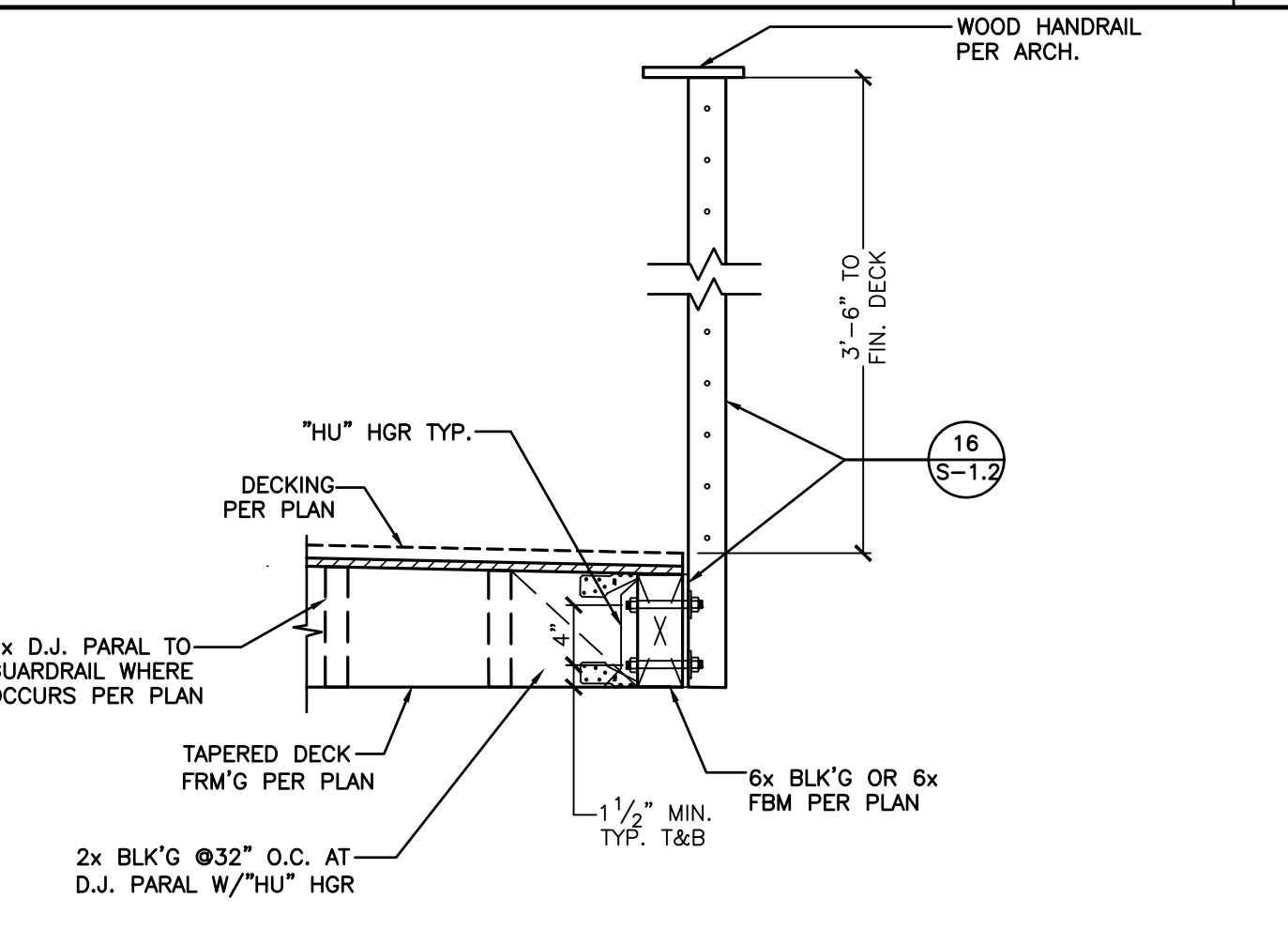
SHEARWALL STRAP DETAIL

4



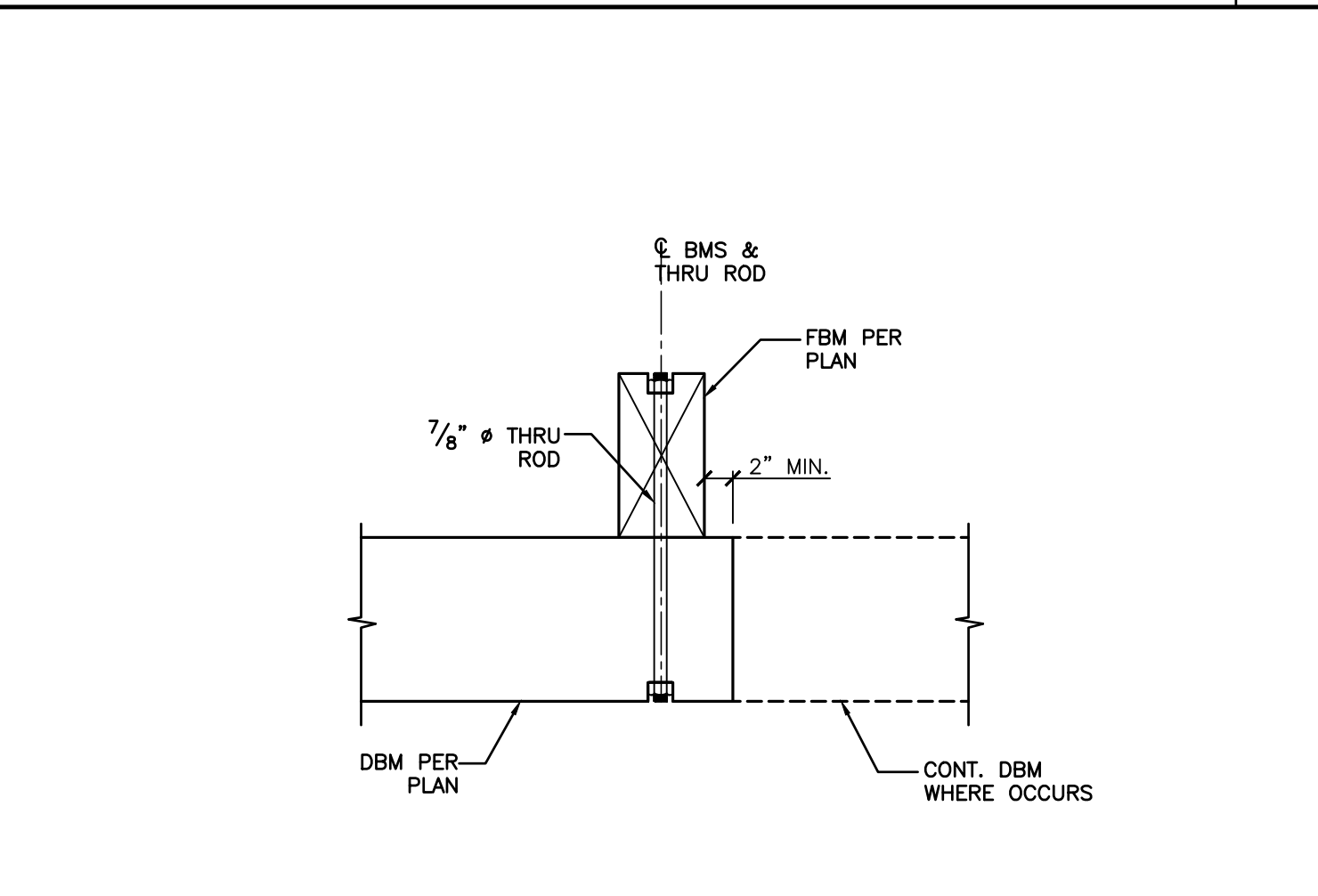
DOUBLE/TRIPLE JOIST SISTERING DETAIL

6



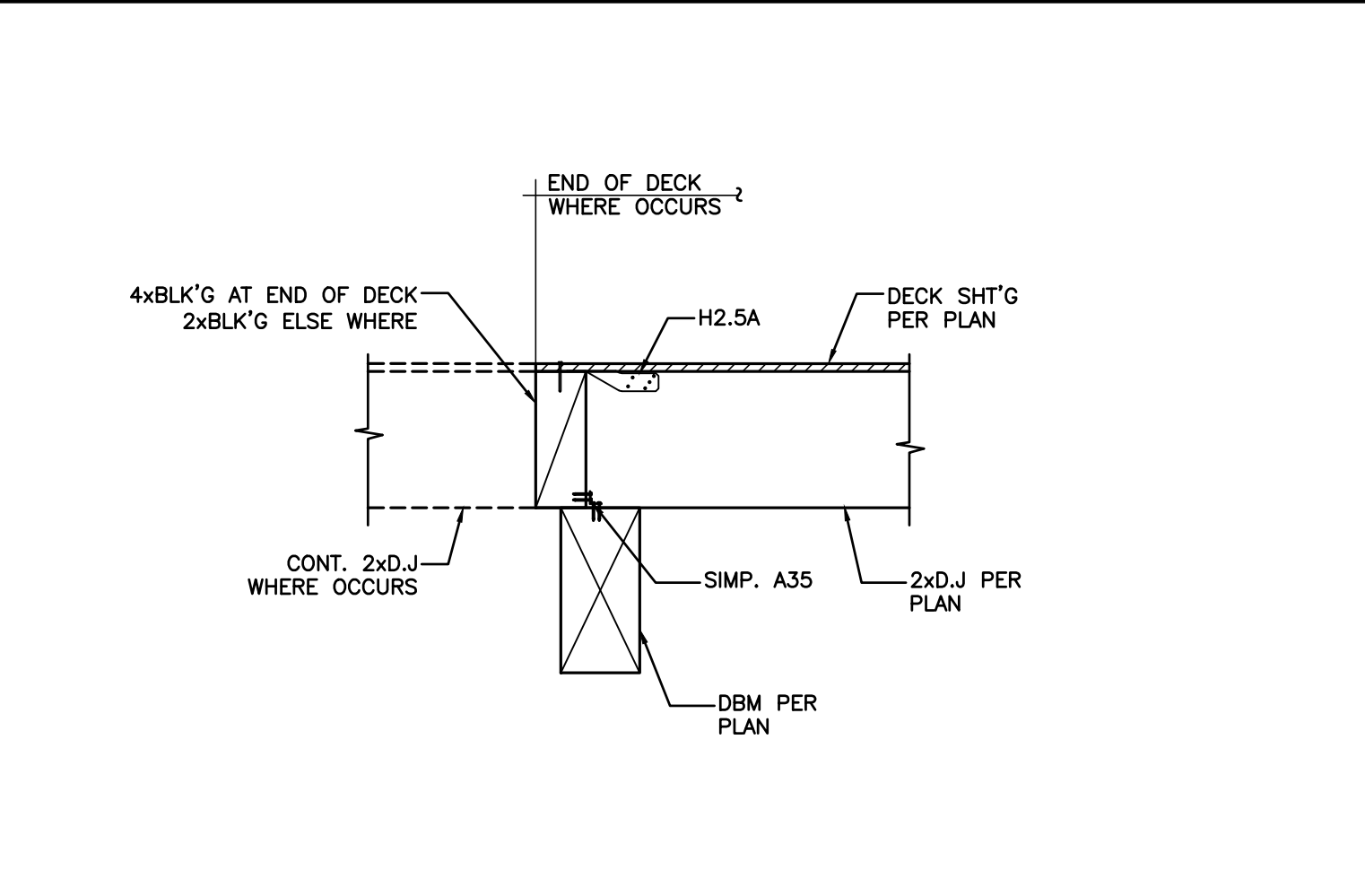
DECK GUARDRAIL DETAIL

7



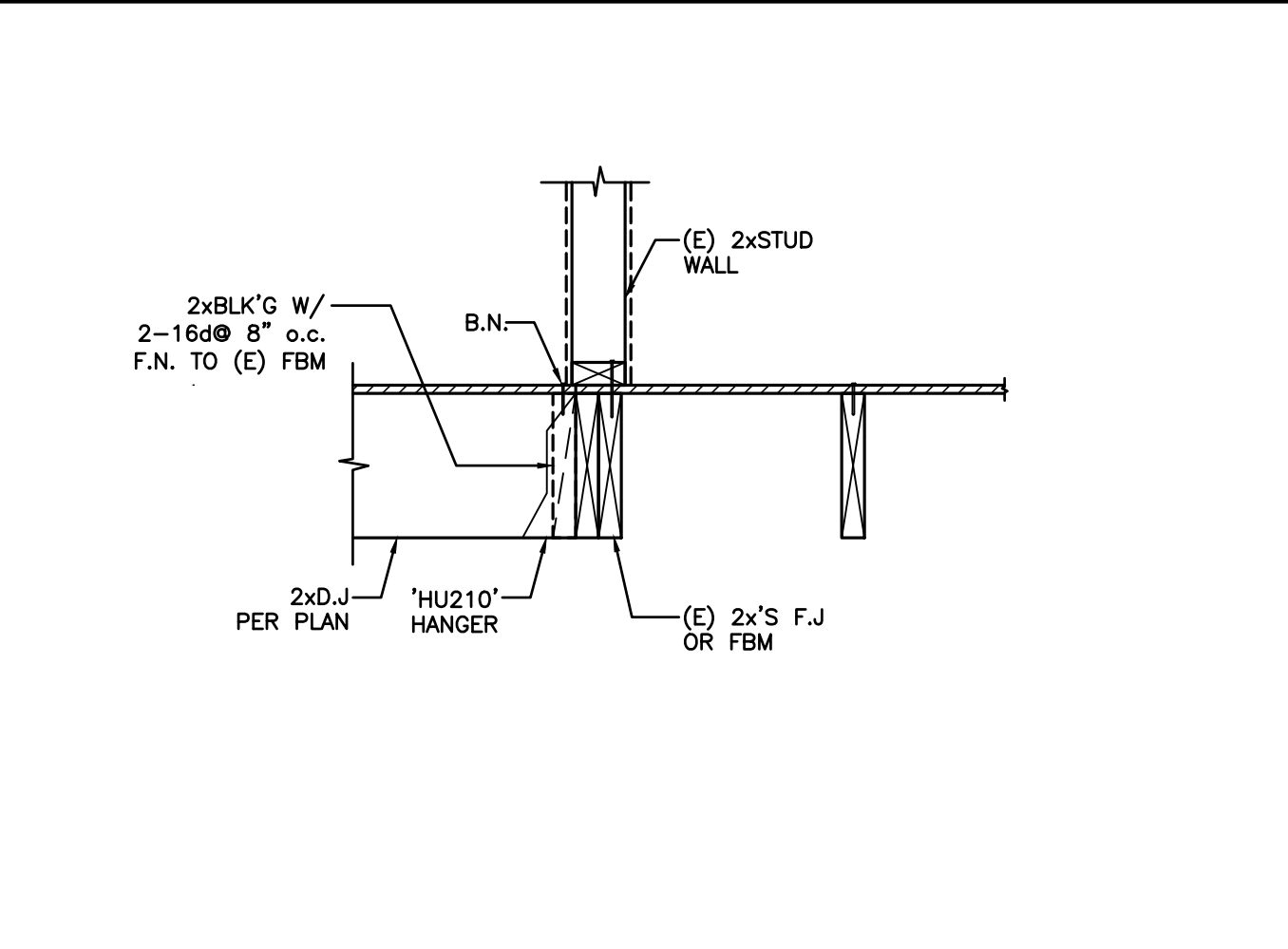
FBM AT DBM

8



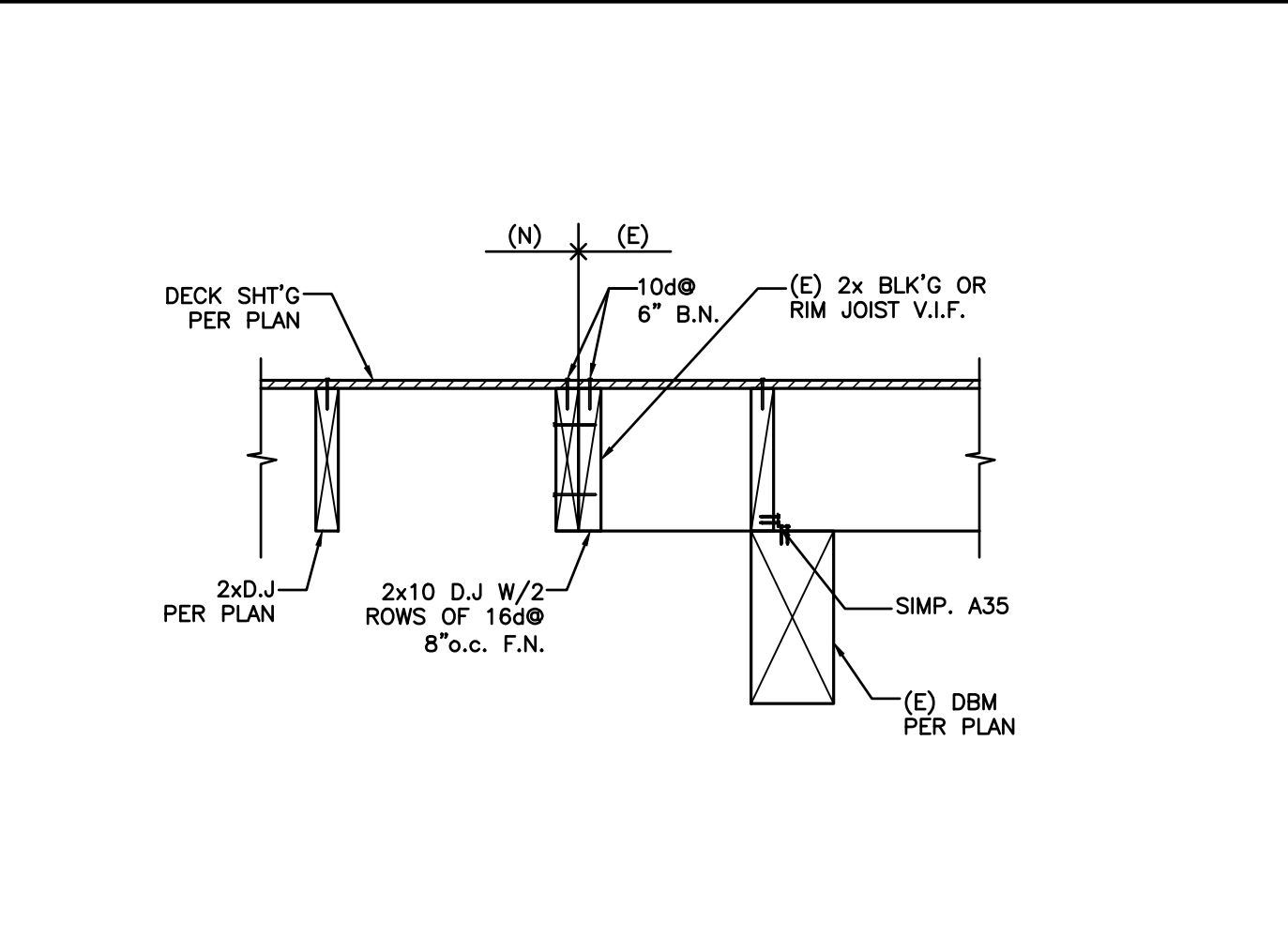
SECTION

9



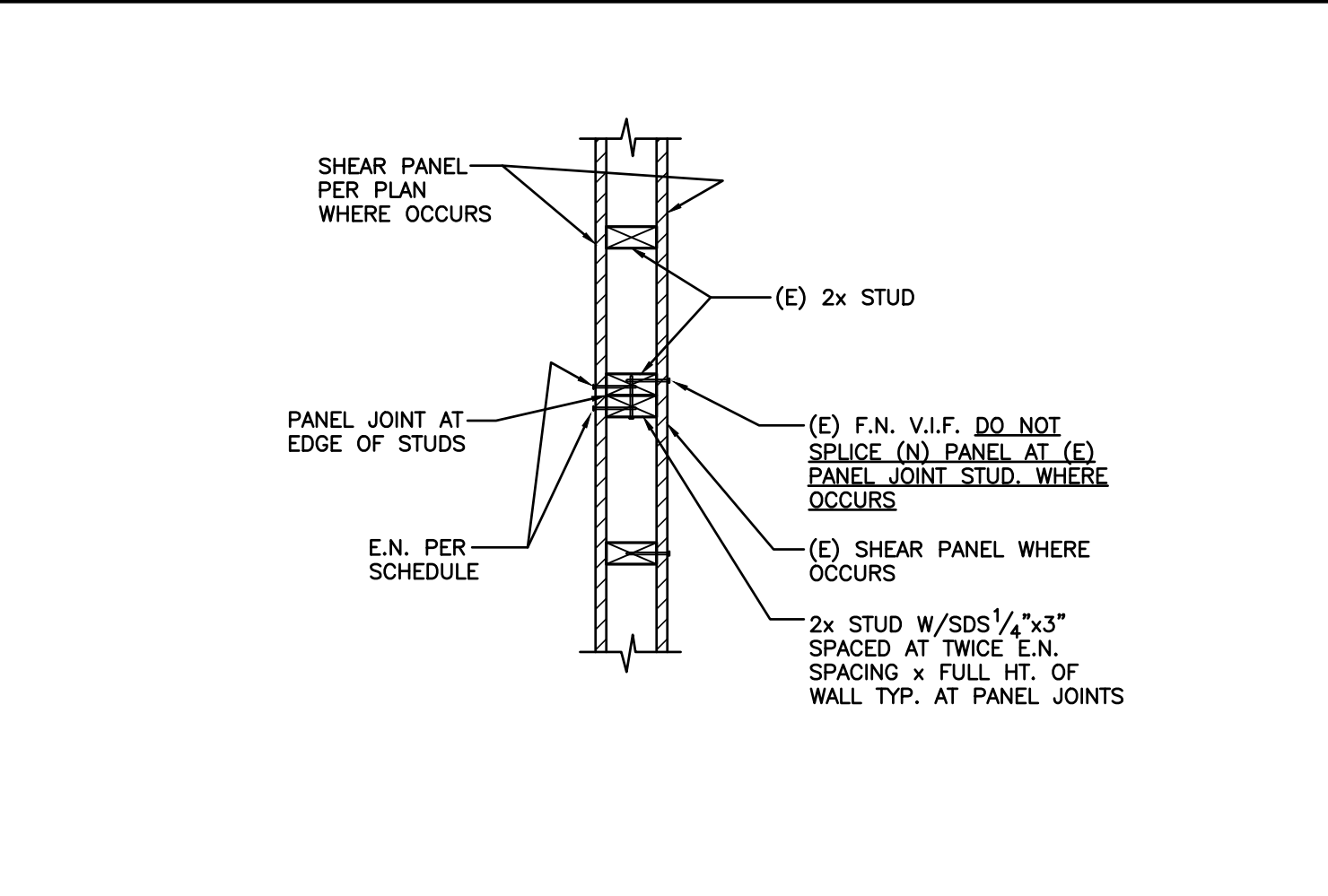
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10



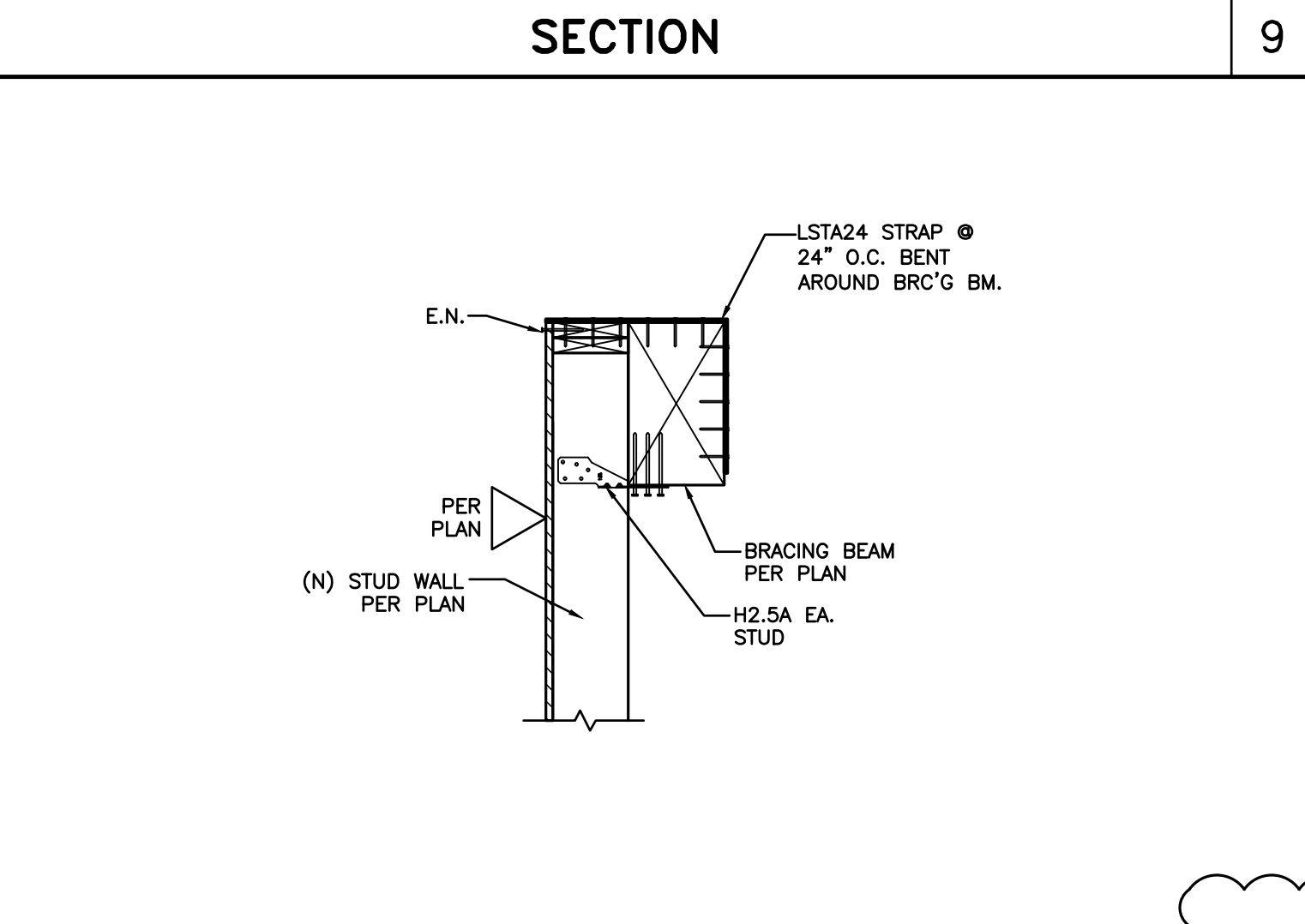
SECTION

11



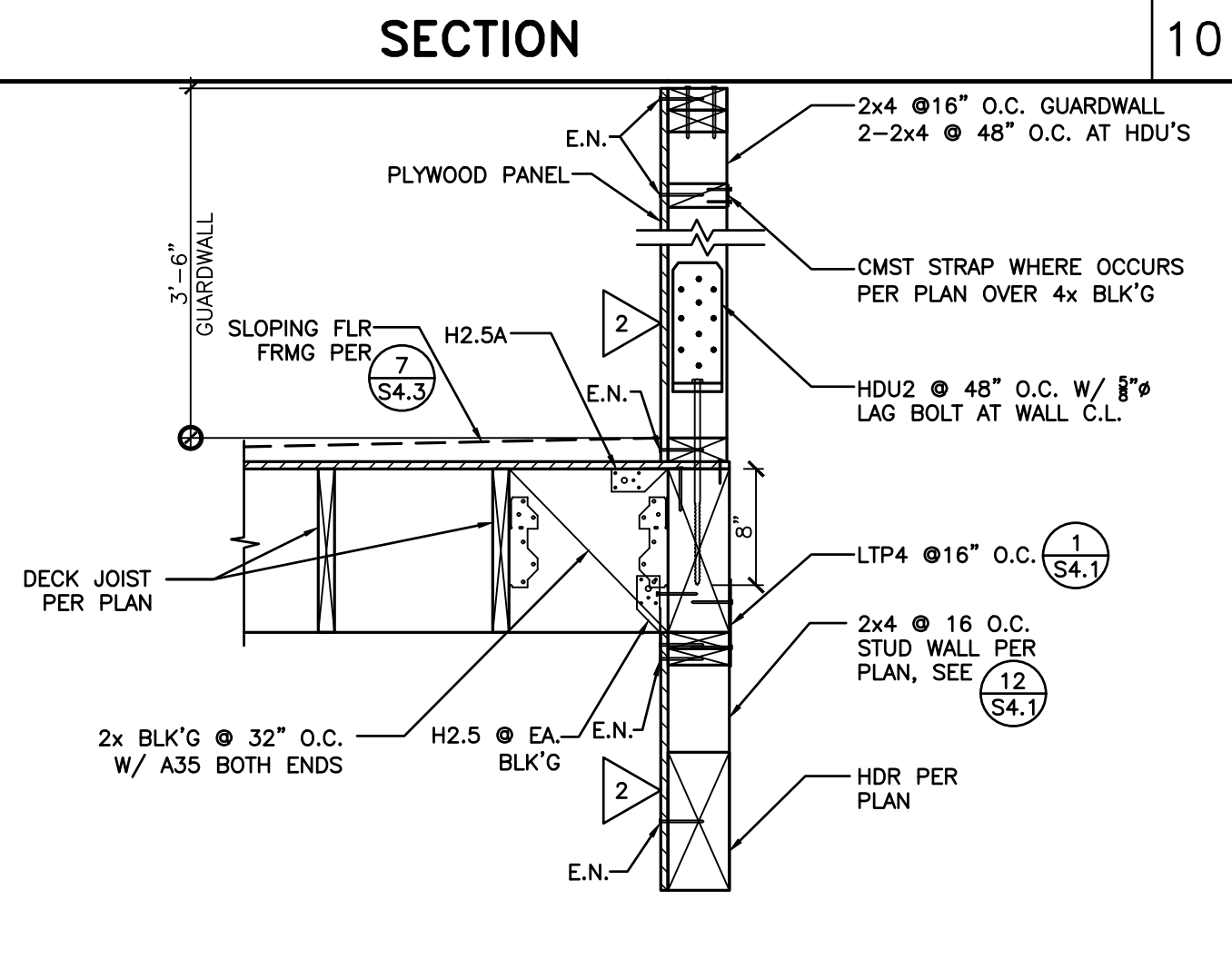
SHEAR WALL DET.AT (E) PANEL JOINTS

12



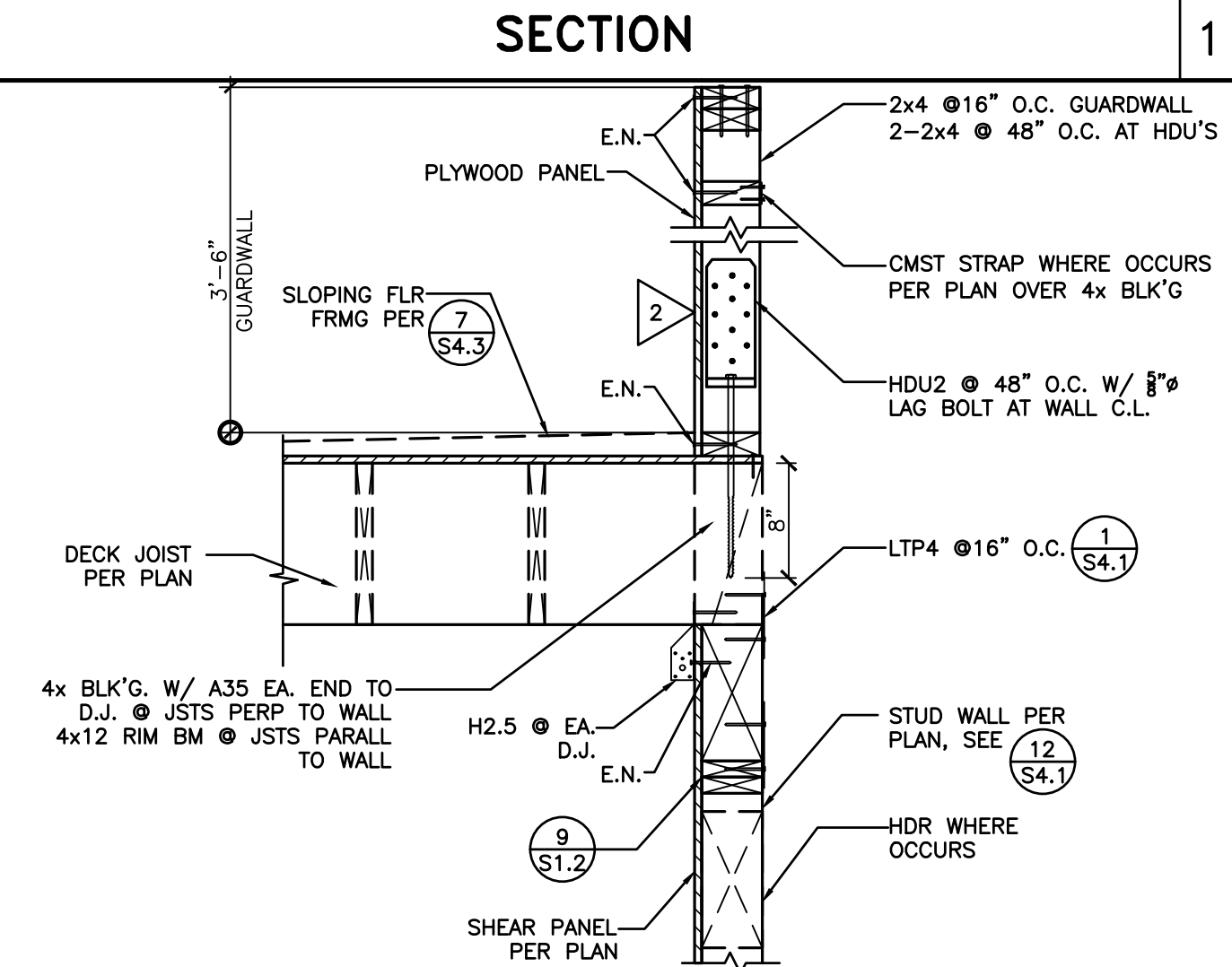
DETAIL

13



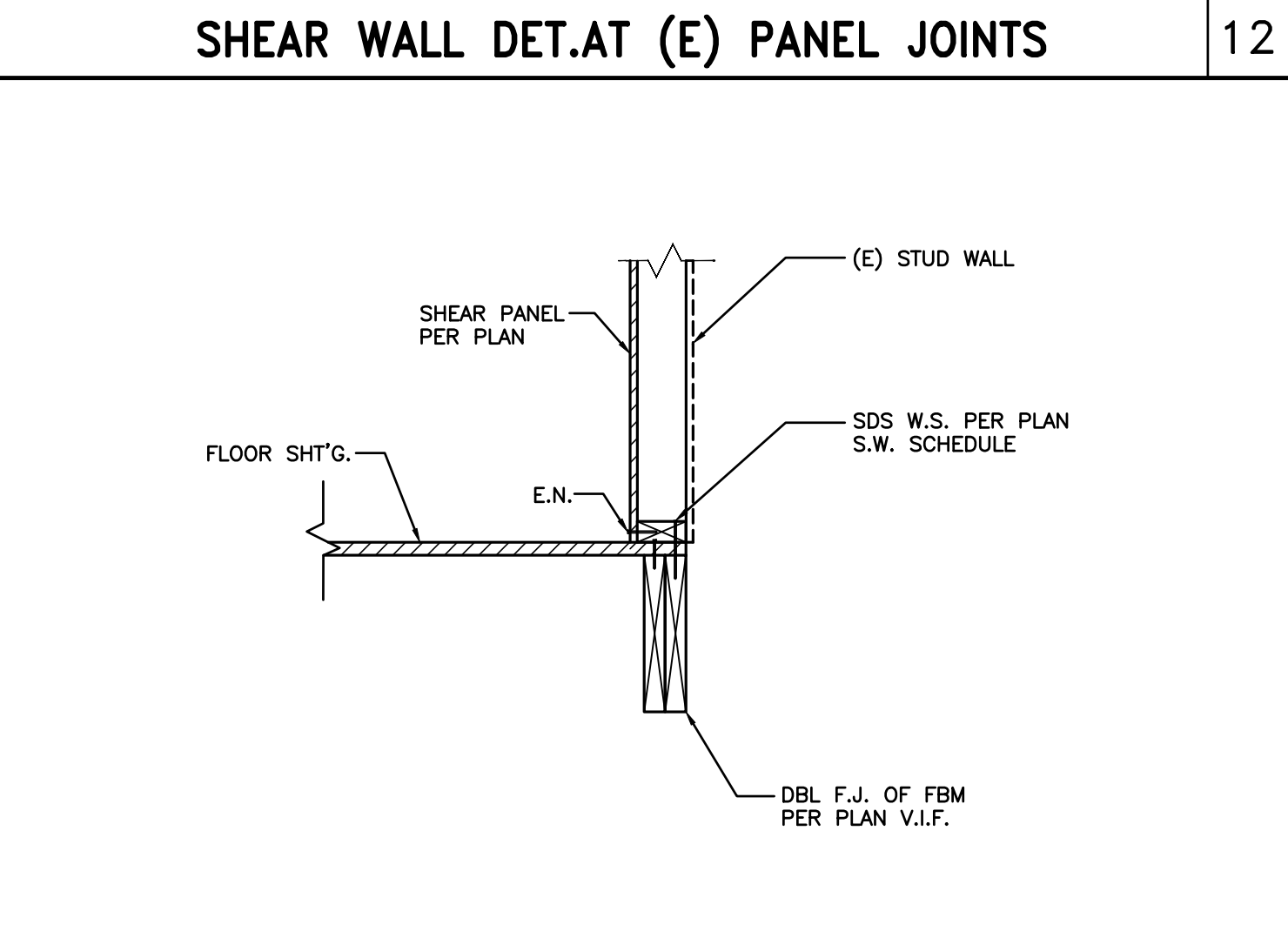
DECK JOIST-WALL CONN DETAIL

14



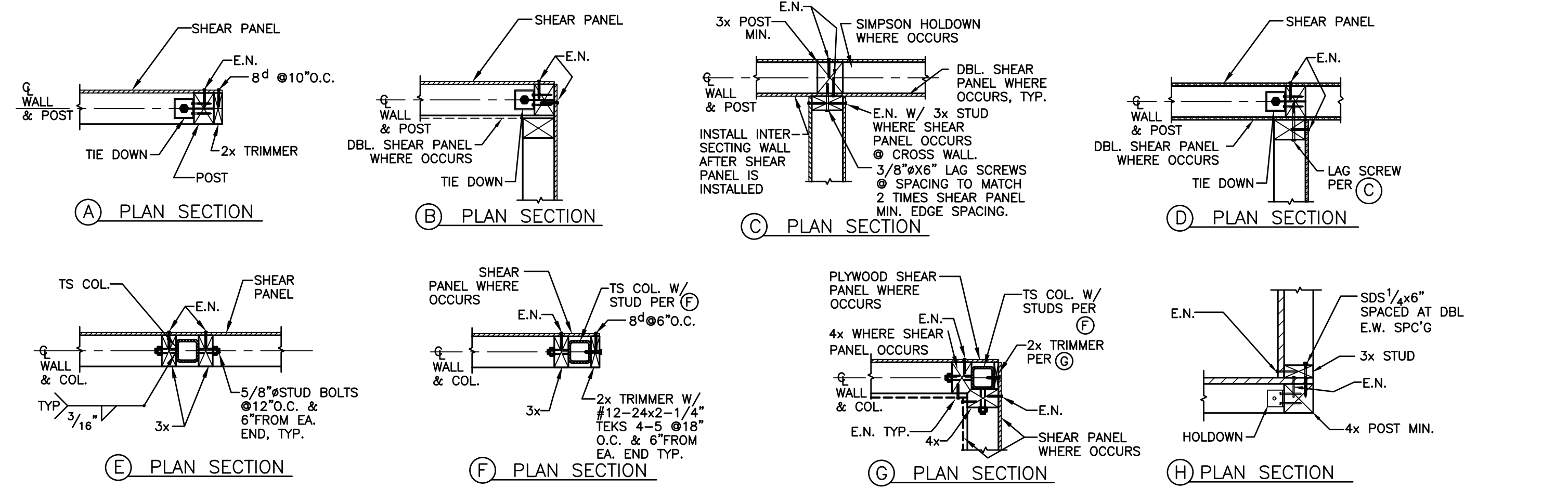
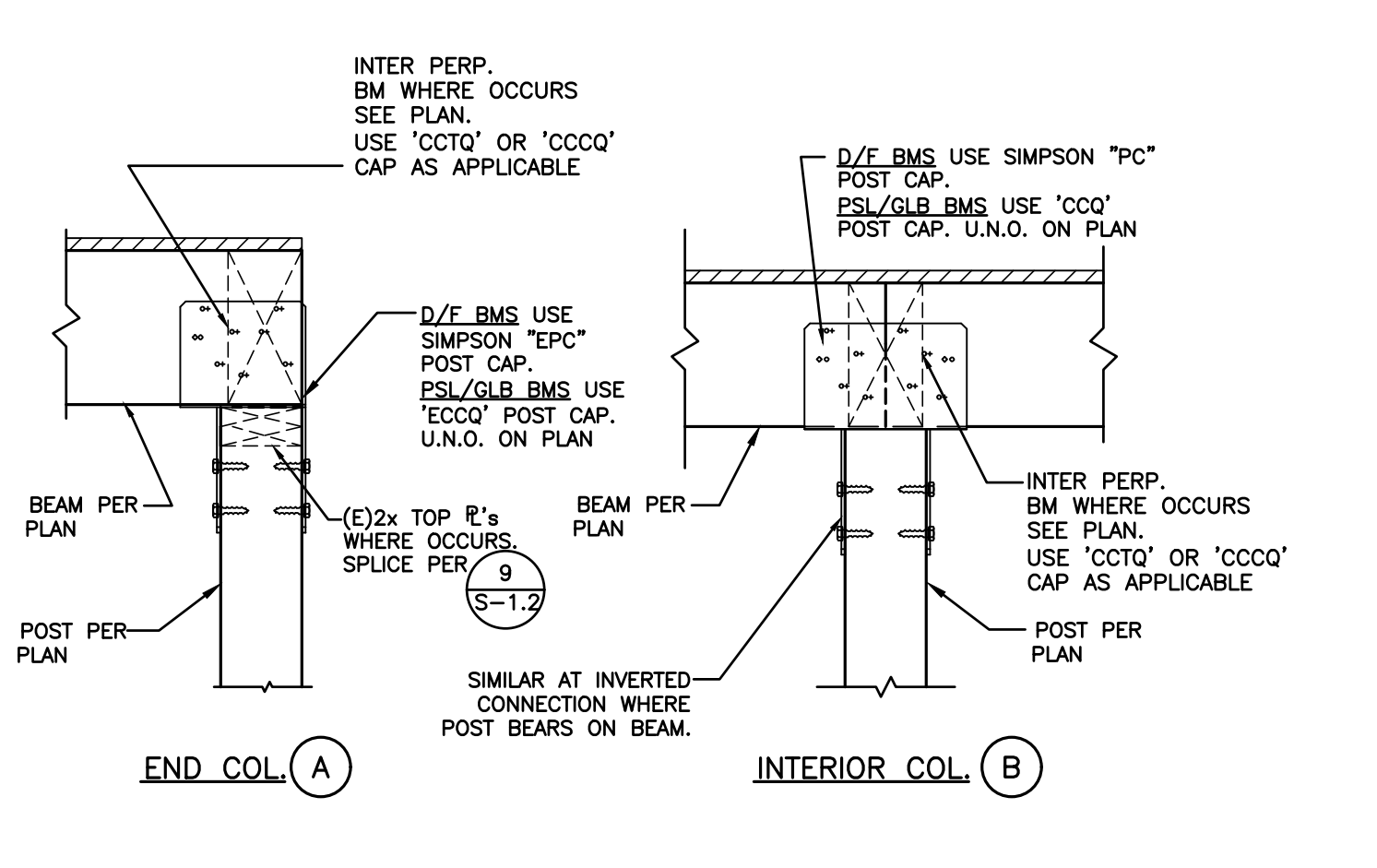
DECK JOIST-WALL CONN DETAIL

15

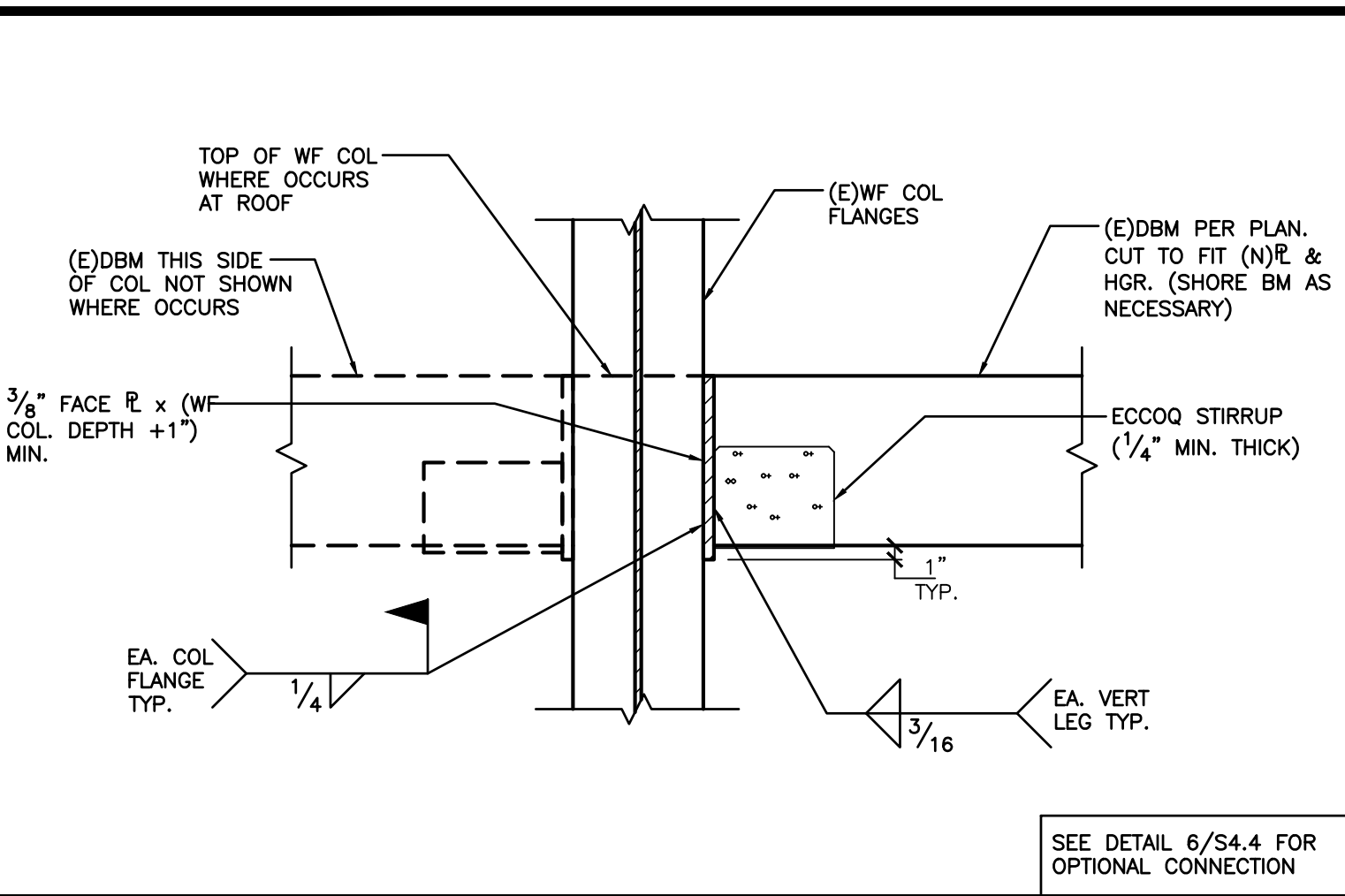


SHEAR WALL - FLR FRMG CONN DETAIL

16

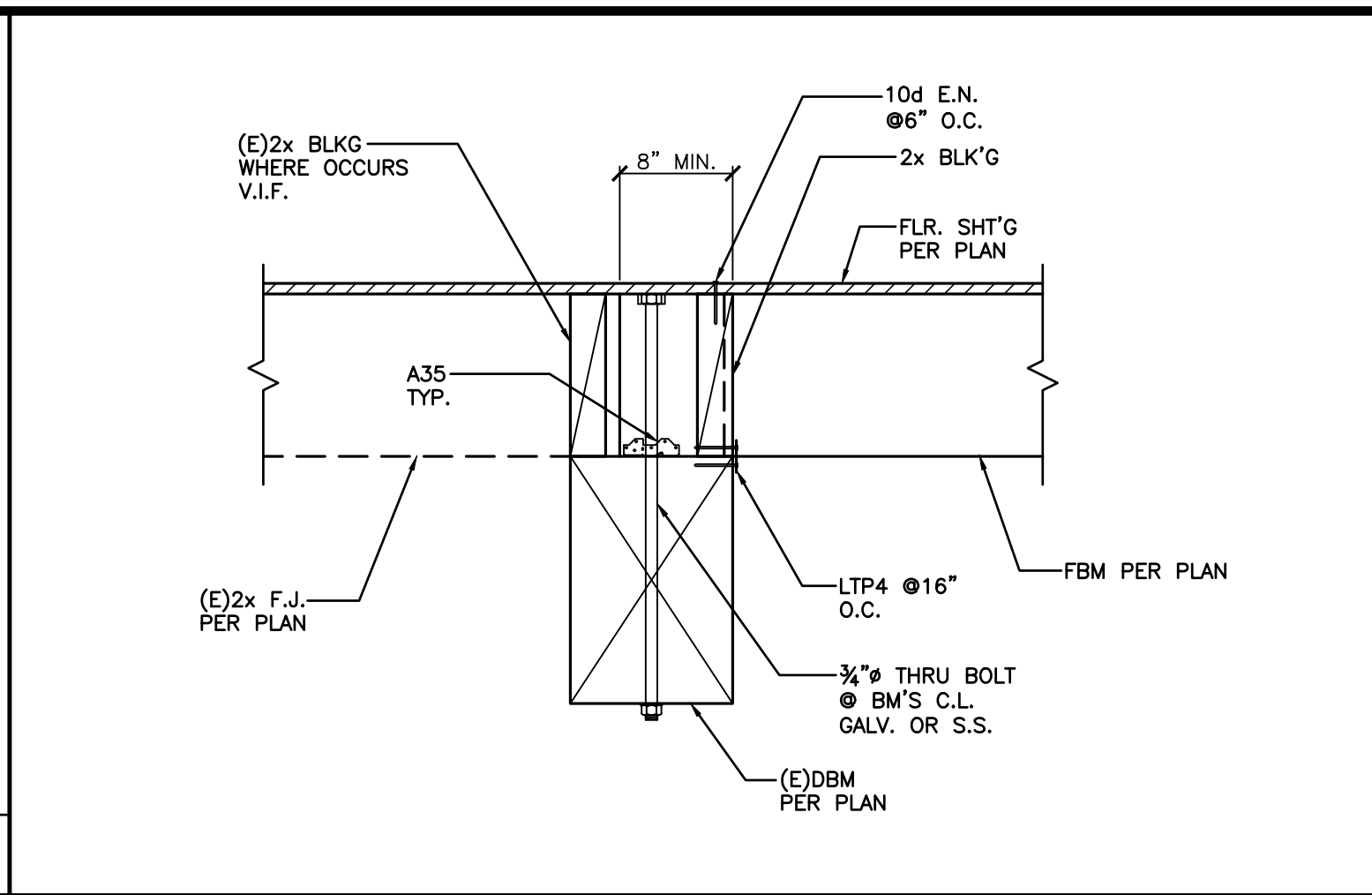


SECTION



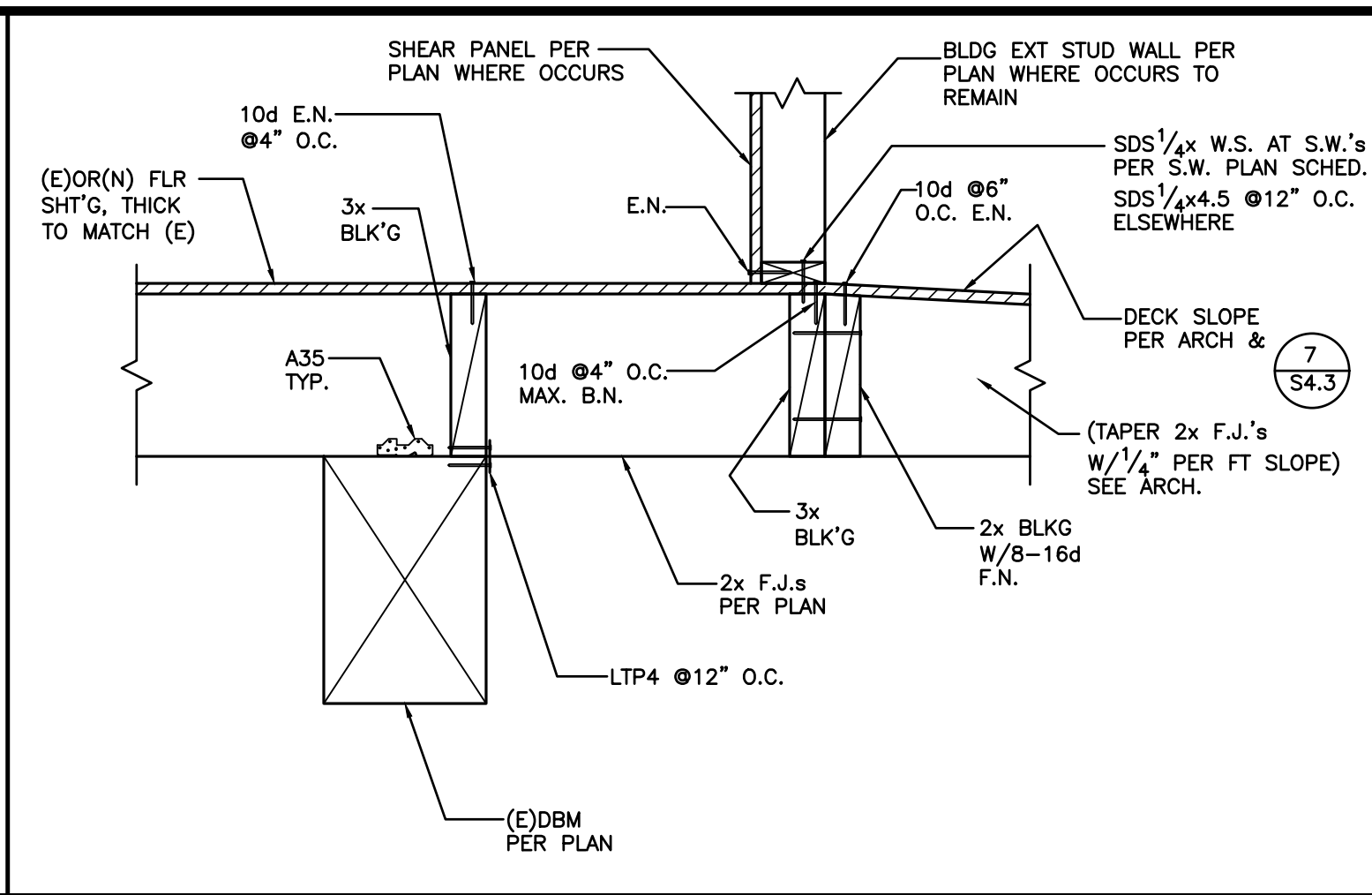
(E) BM TO (E) WF COL. CONN. DETAIL

1



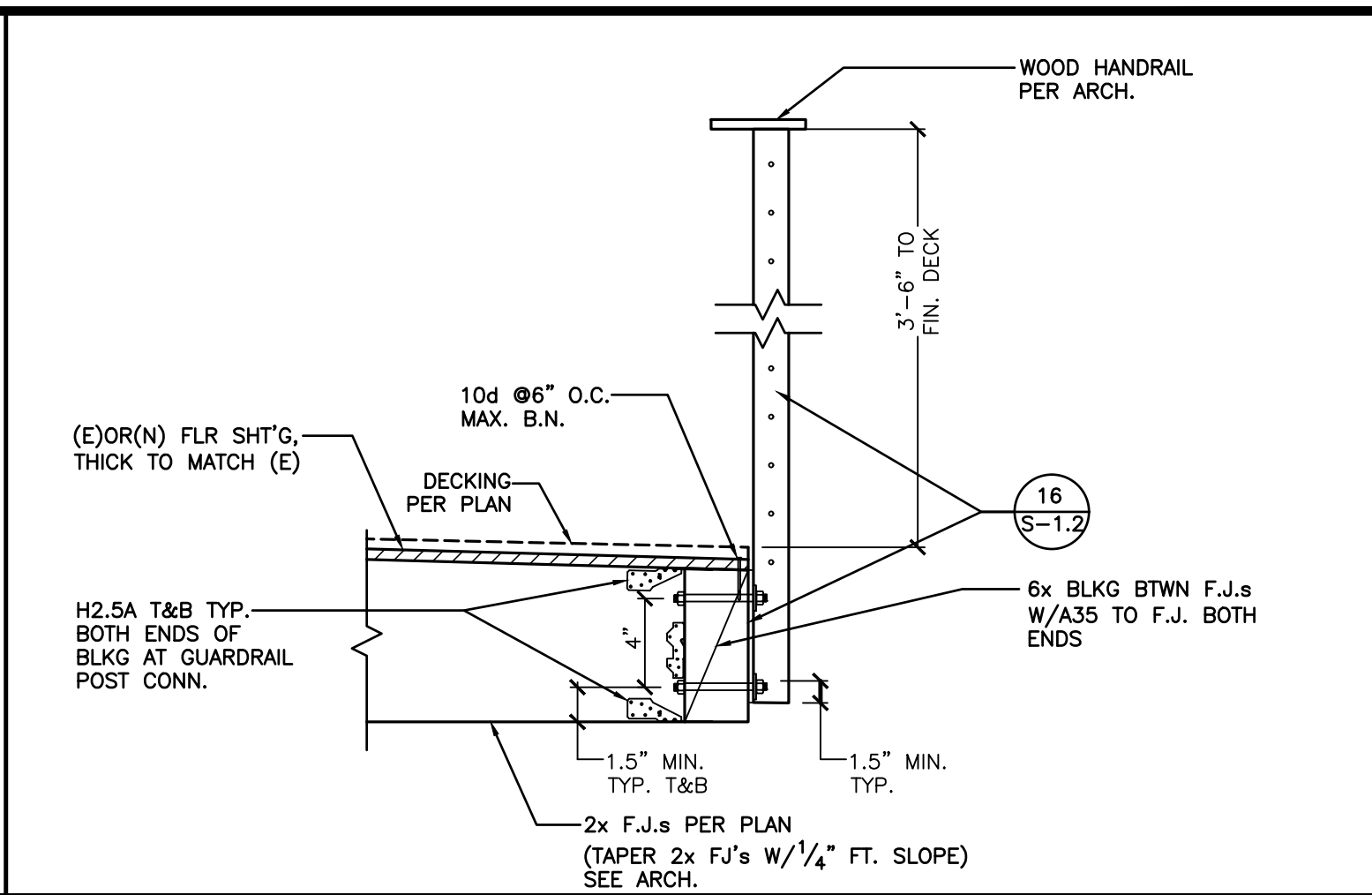
(E)F.J. TO (E) DBM CONN. DETAIL

2



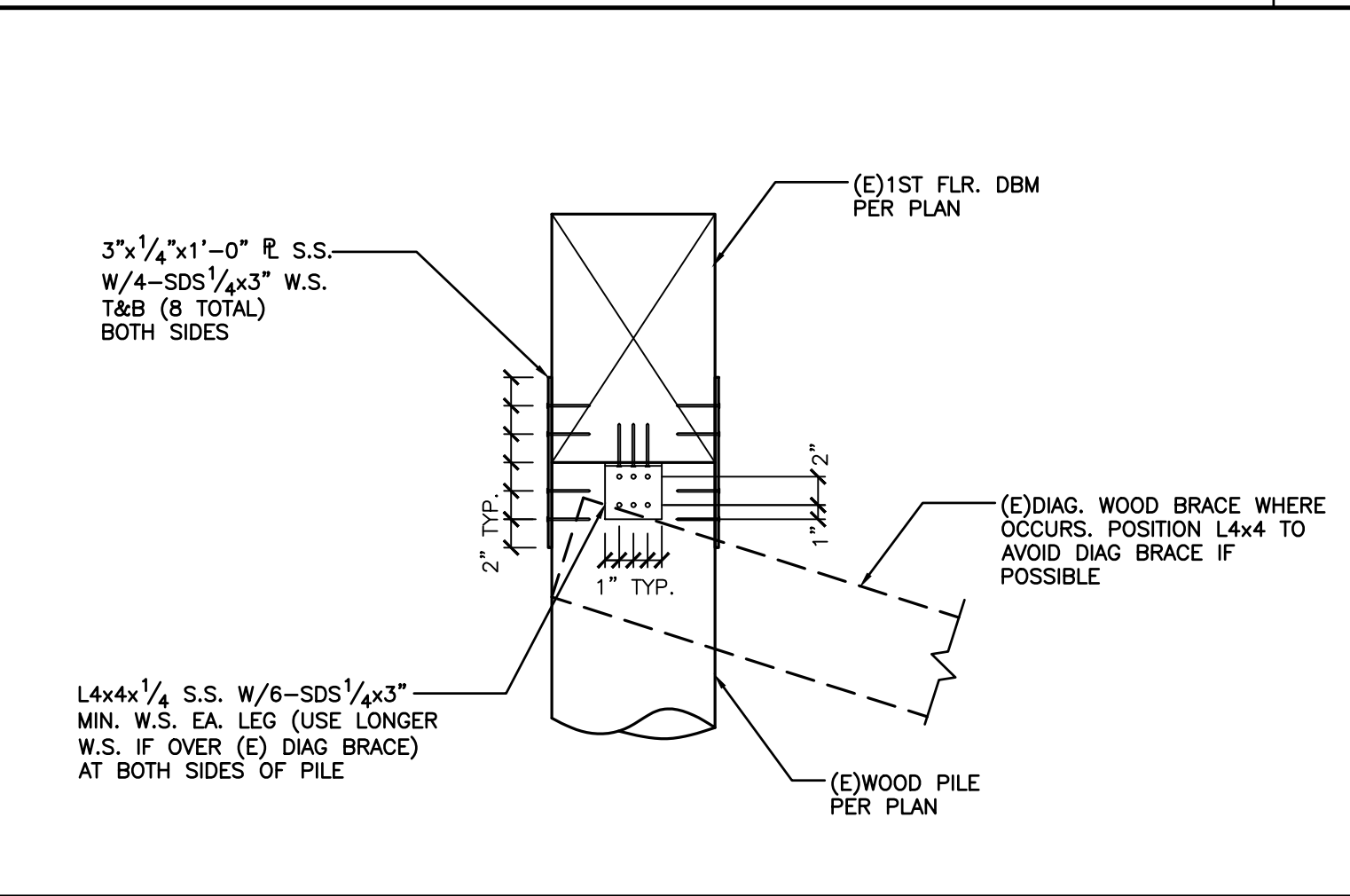
(E)F.J. TO (E) DBM CONN. DETAIL

3



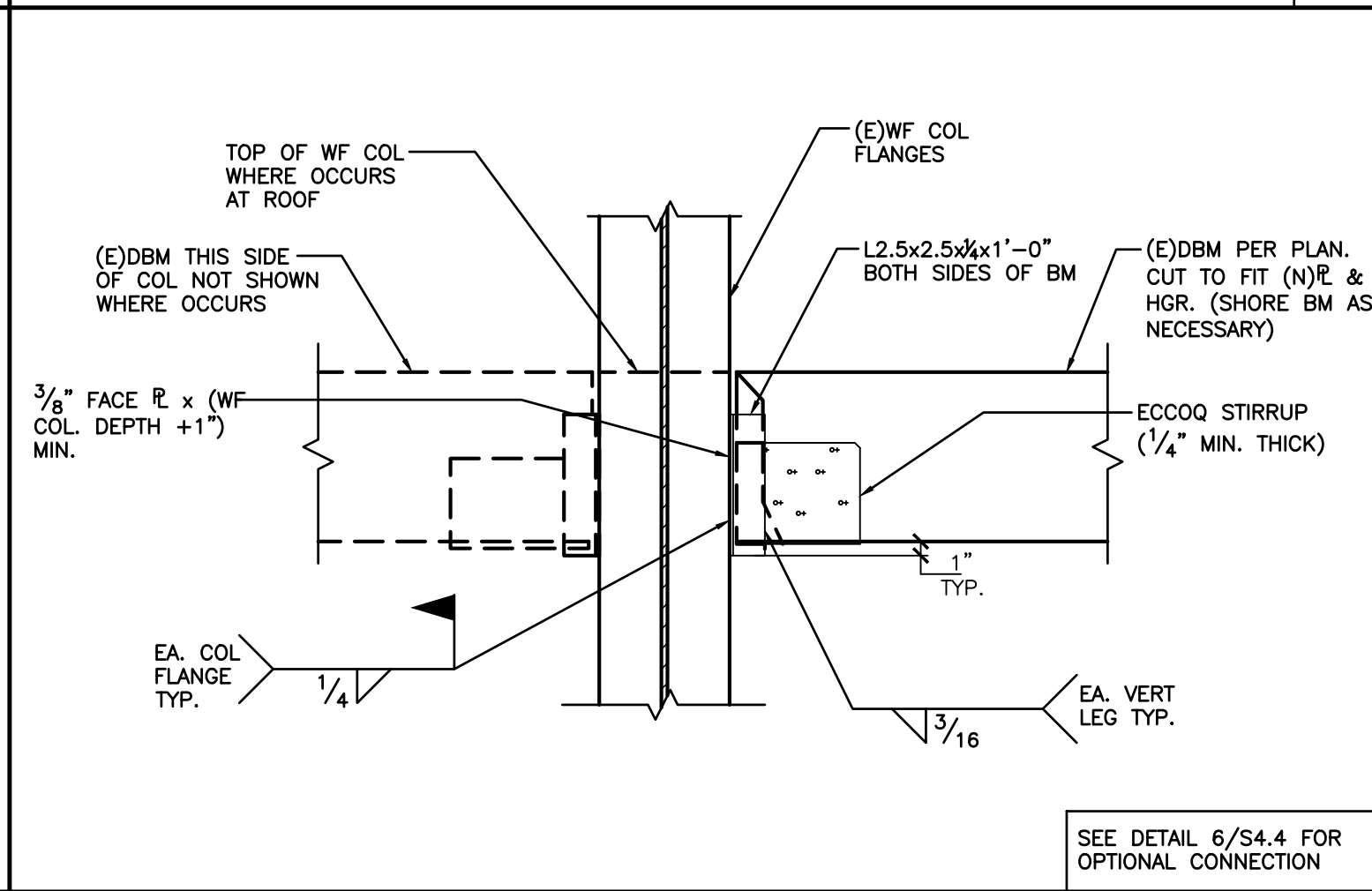
GUARDWALL DETAIL

4



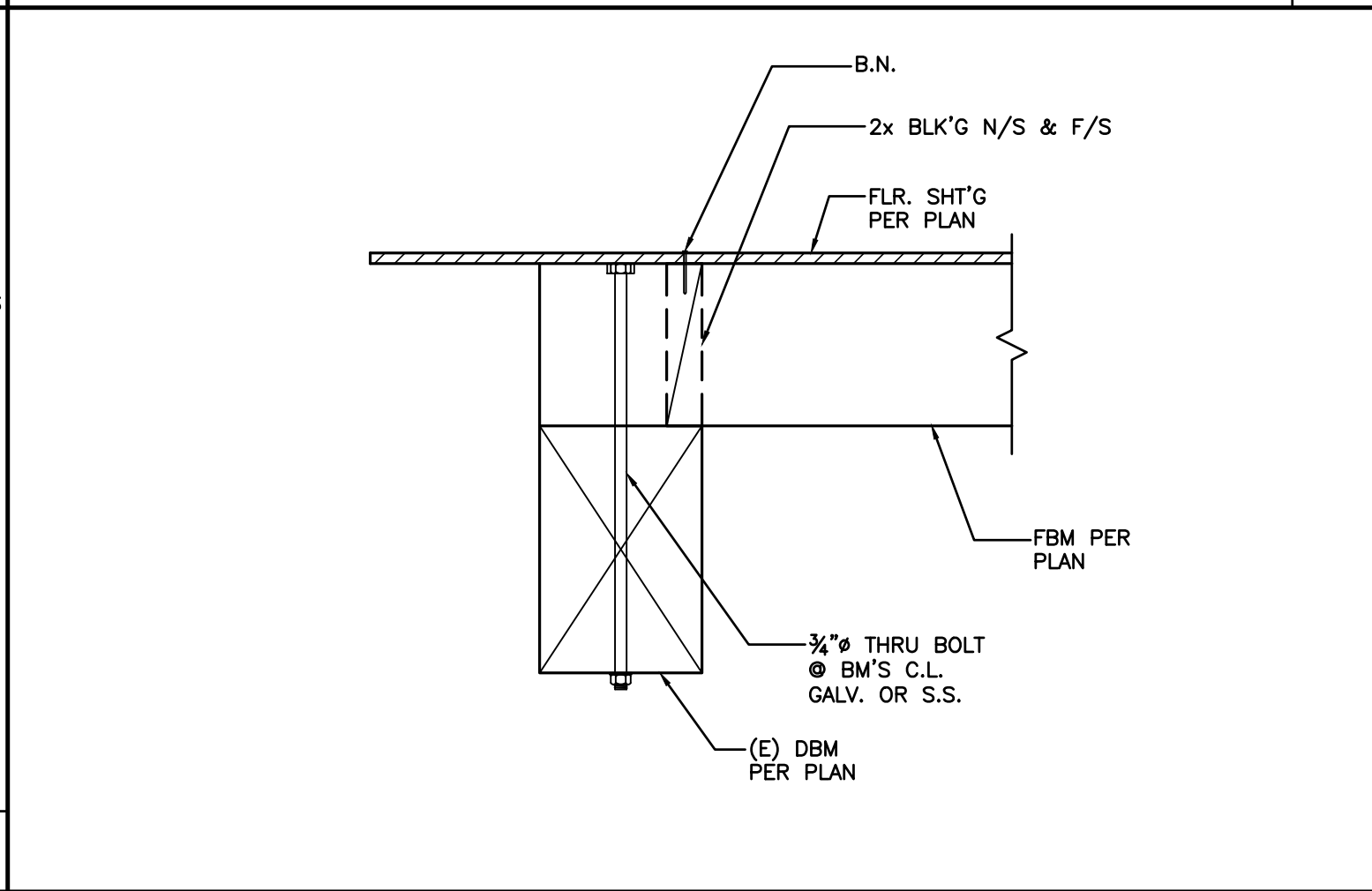
(E)1ST FLOOR DBM - WOOD PILE CONN. DETAIL

5



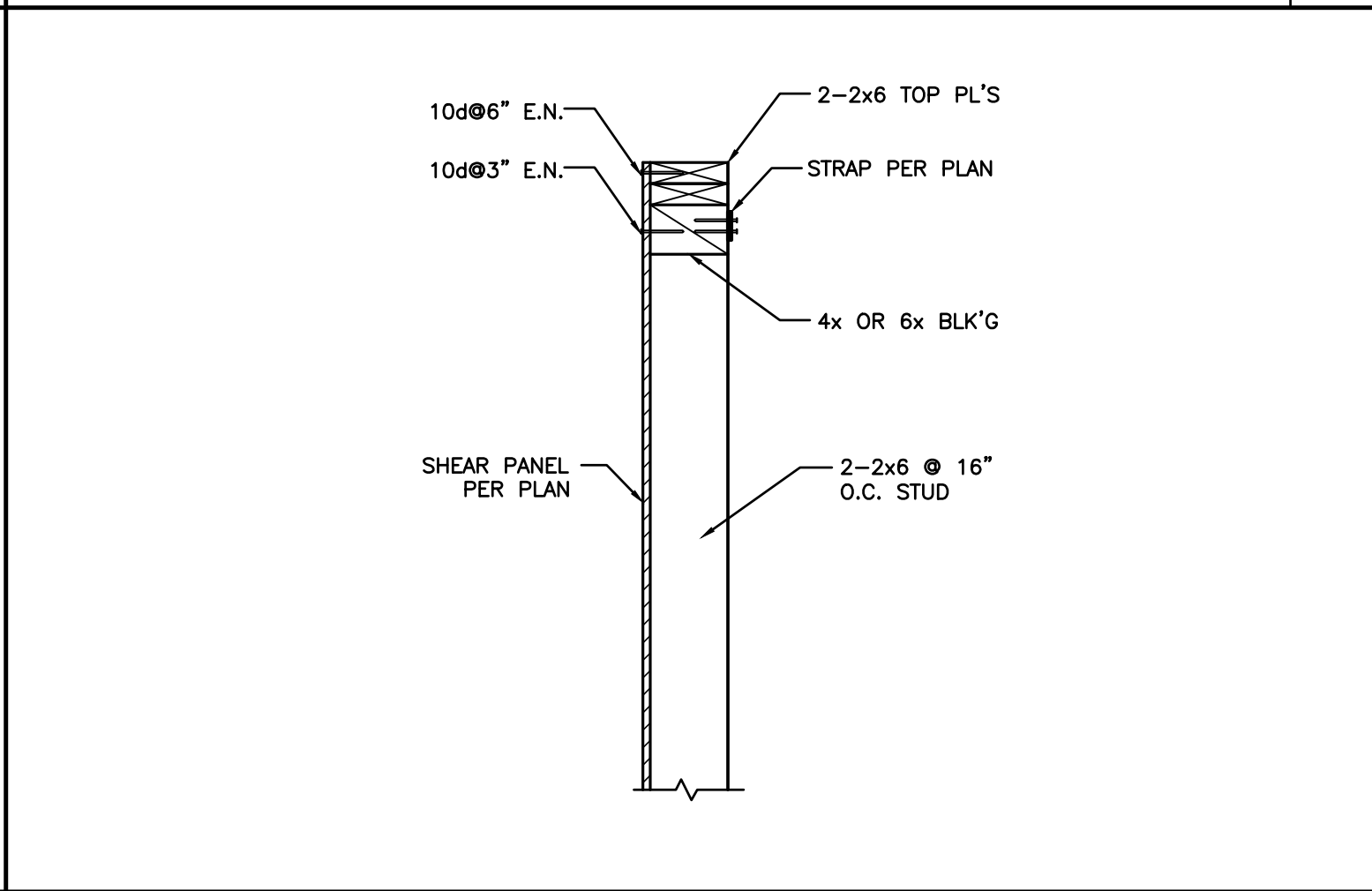
OPTIONAL (E) BM TO (E) WF COL. CONN. DETAIL

6



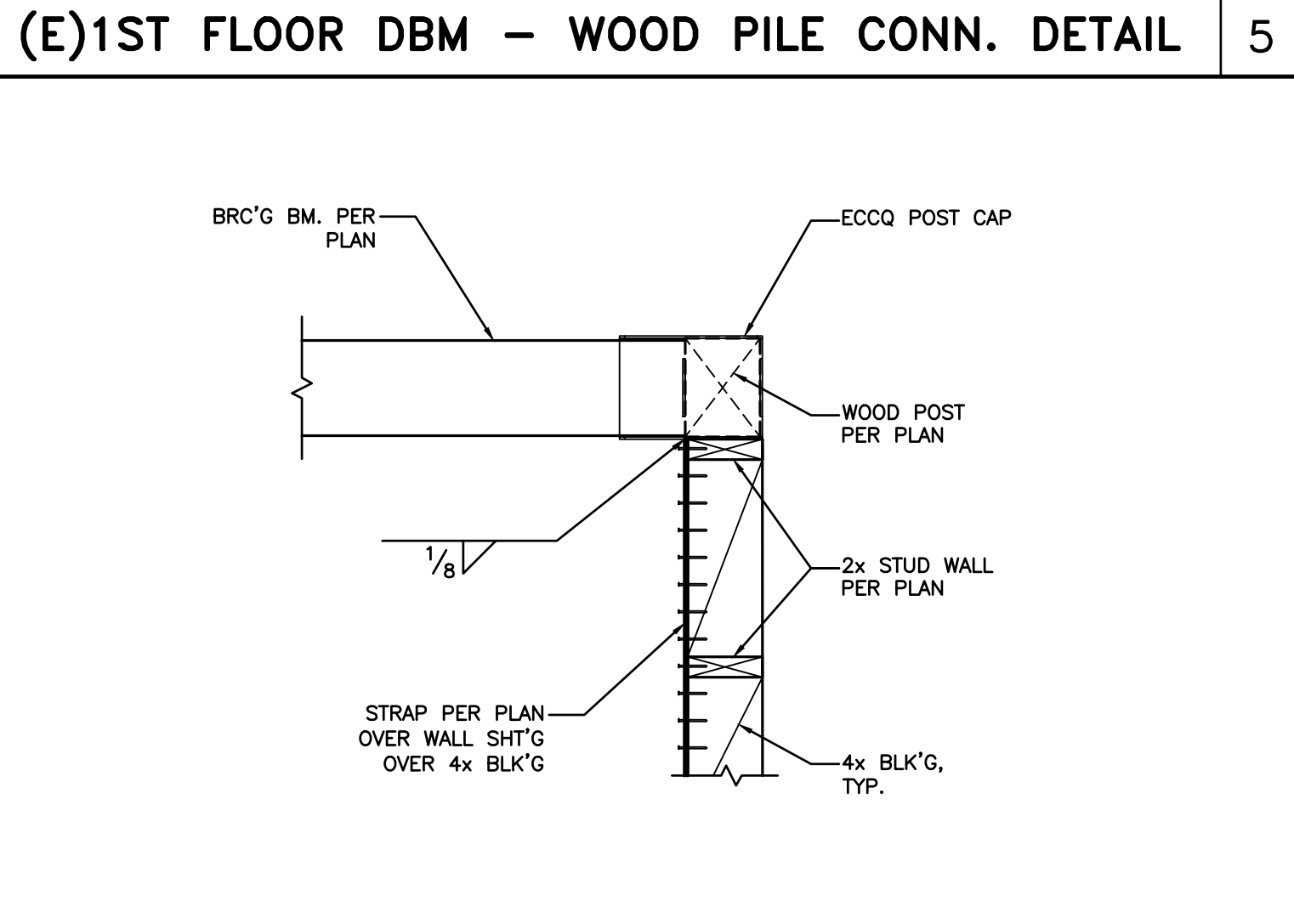
FBM TO (E) DBM CONN DETAIL

7



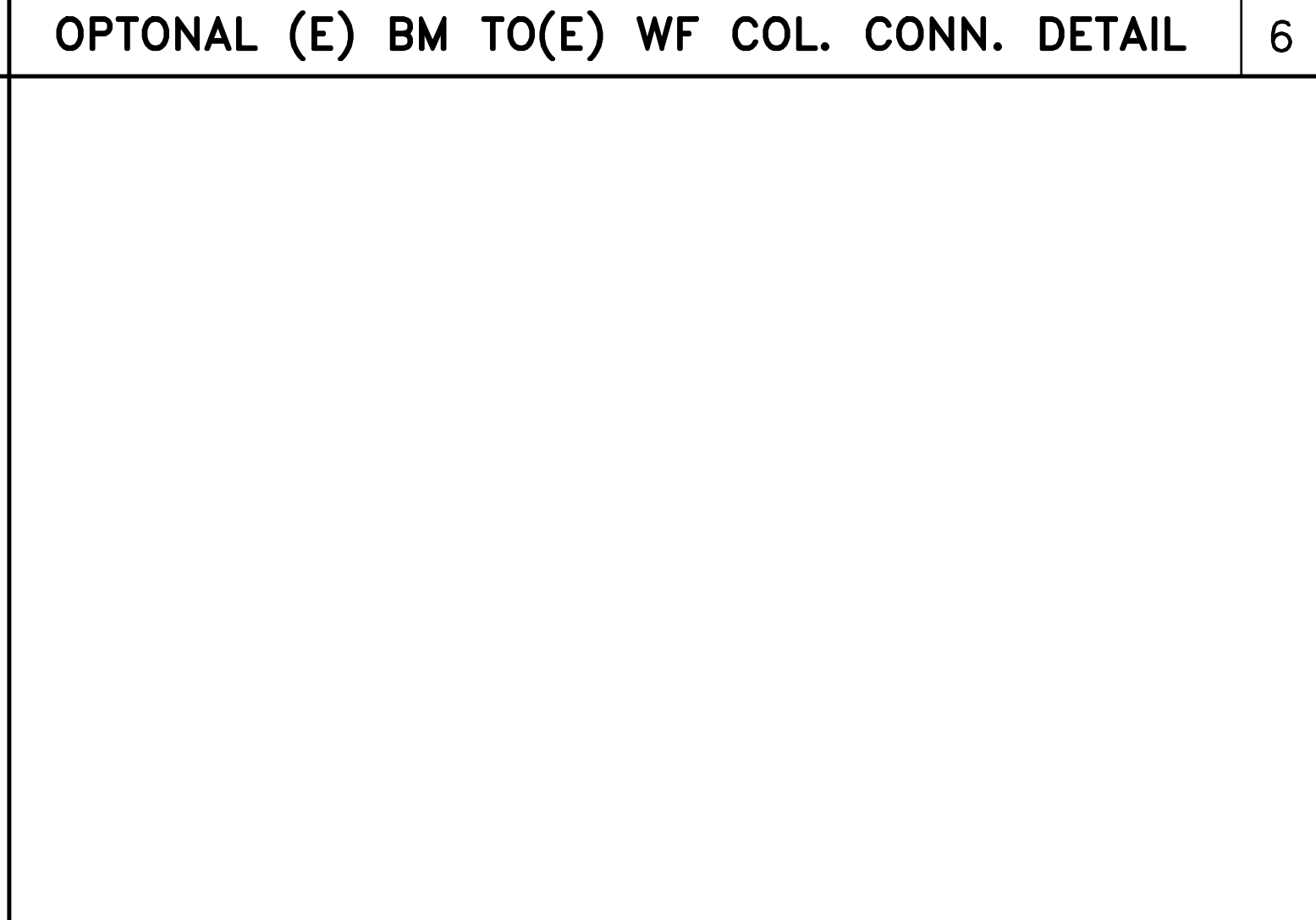
SECTION

8



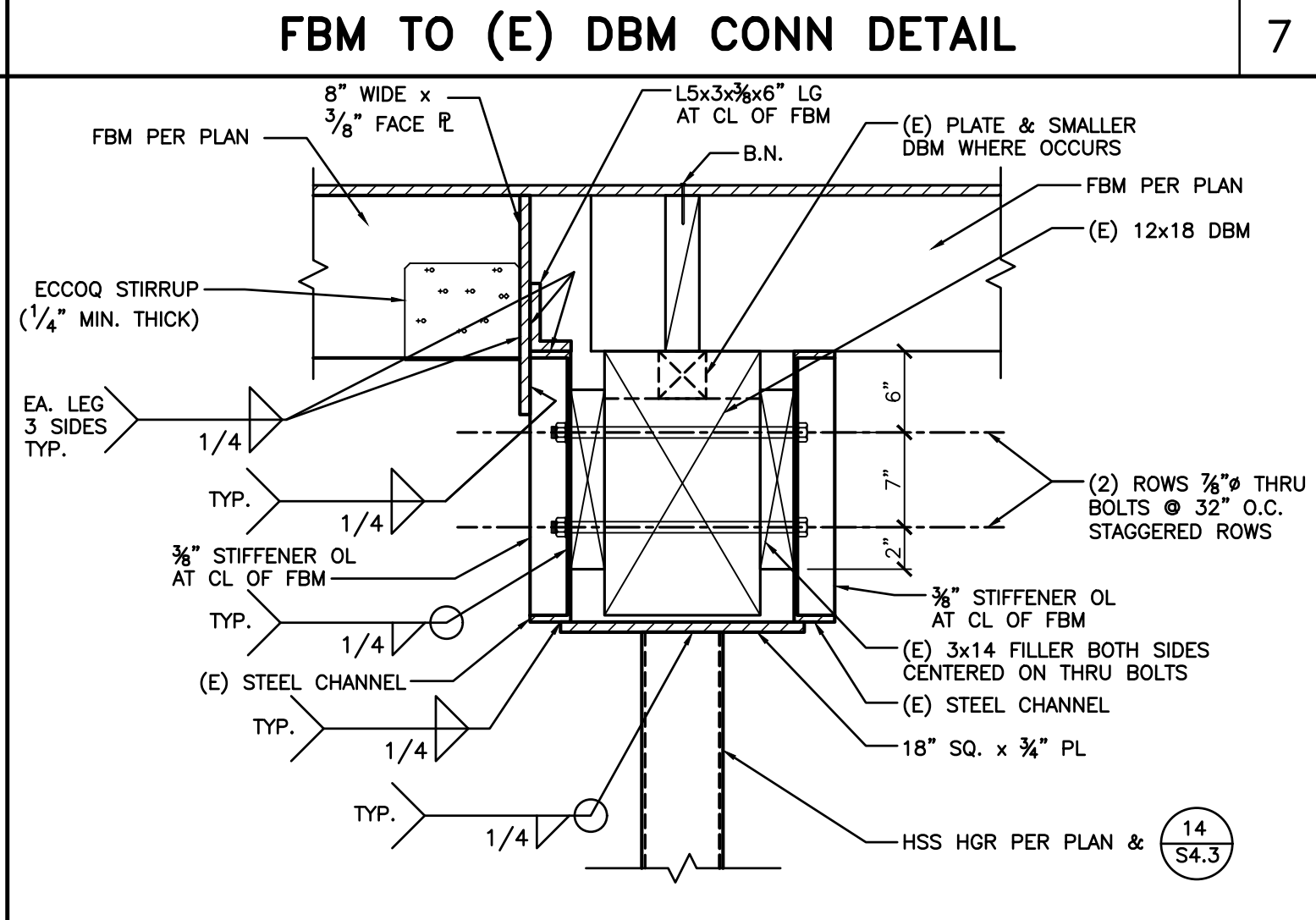
PLAN SECTION

9



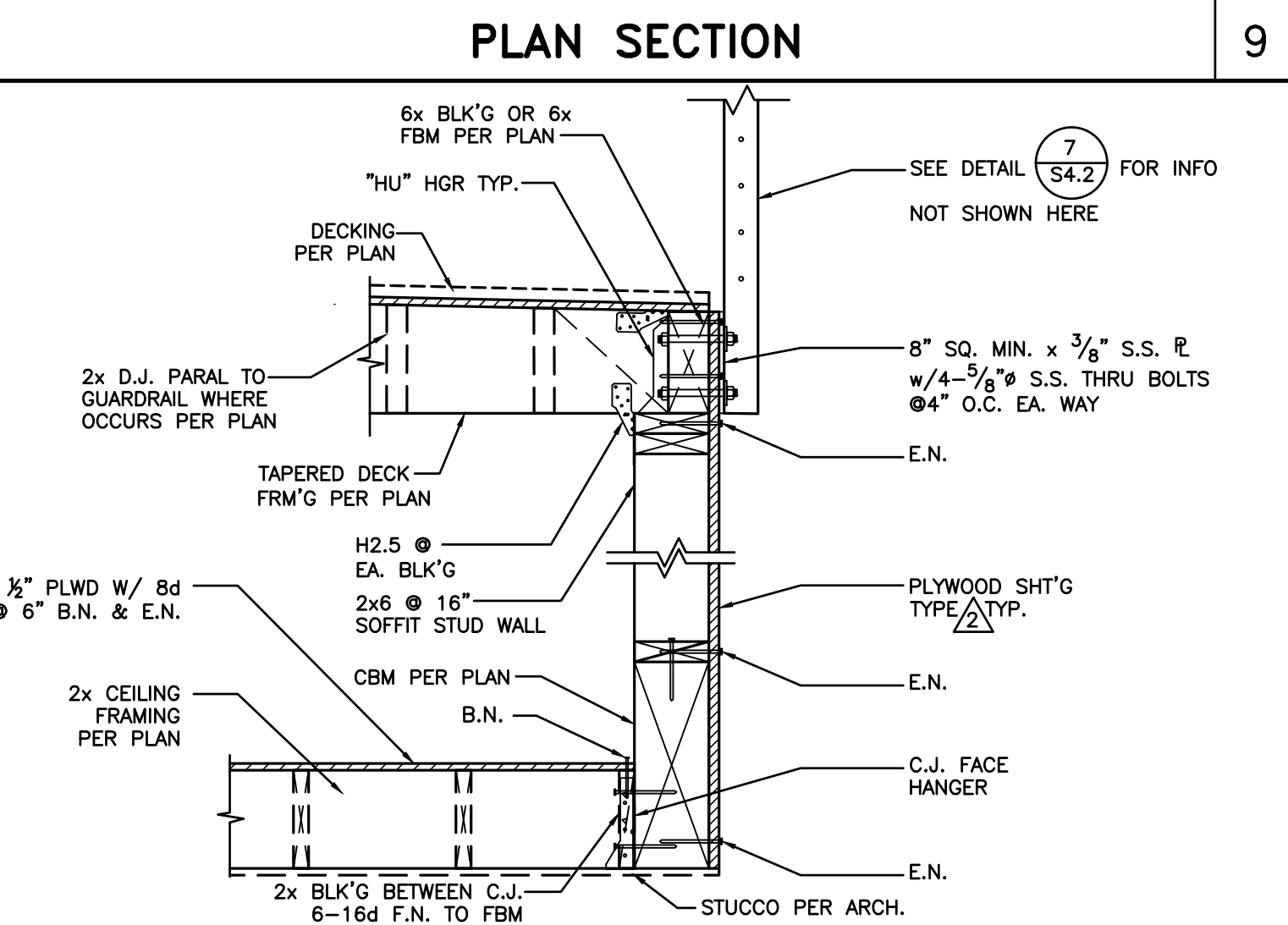
NOT USED

10



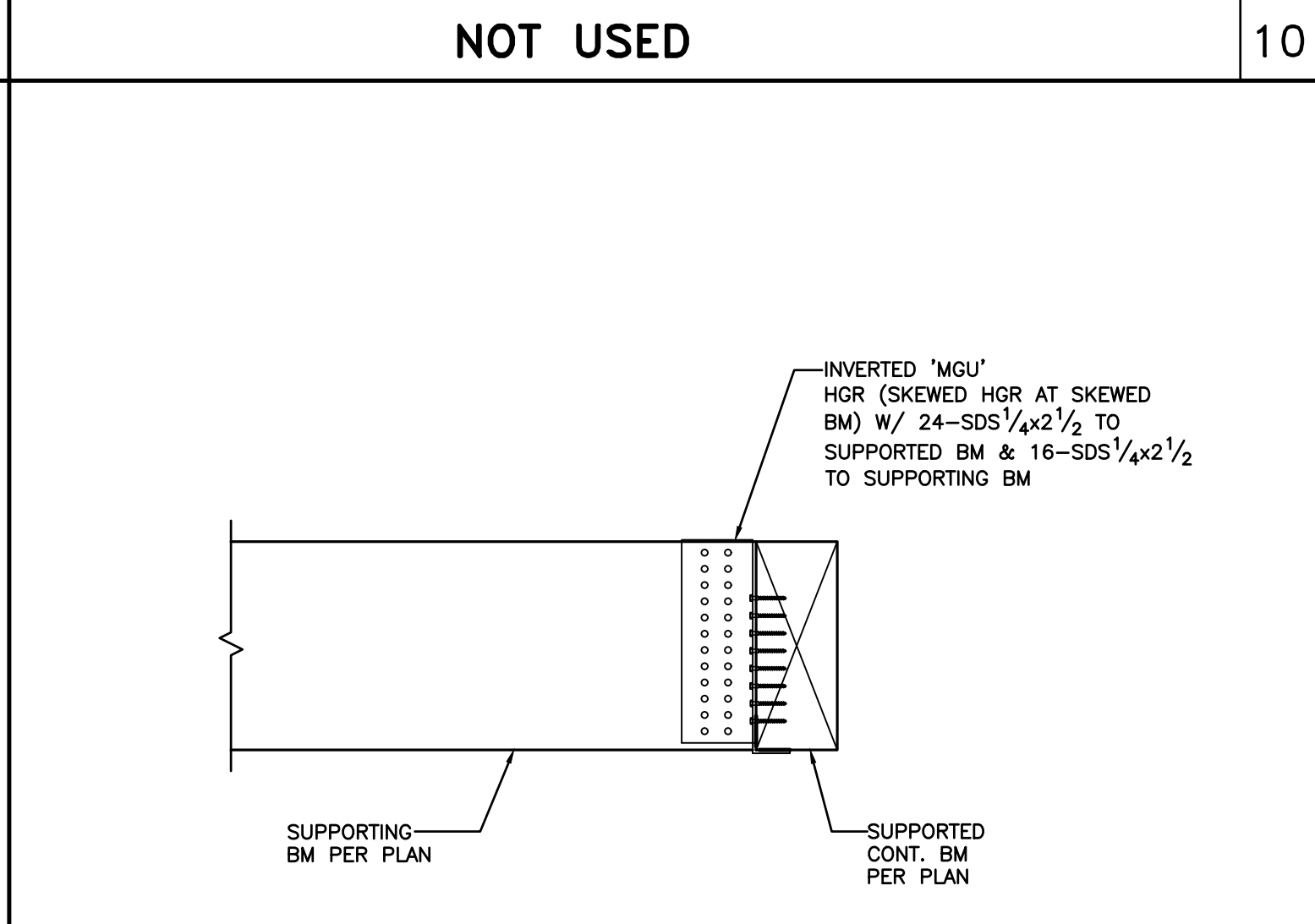
DETAIL

11



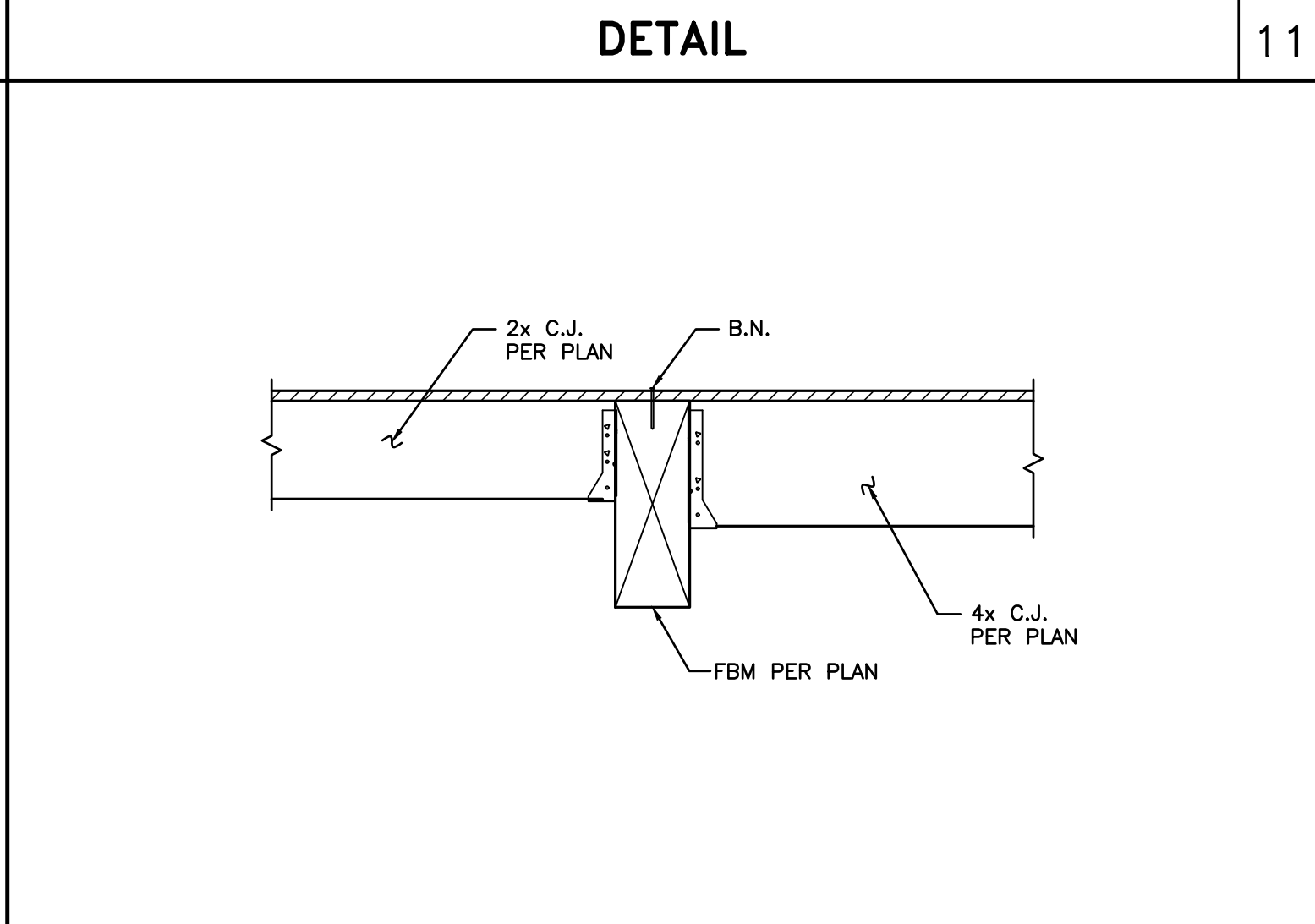
DETAIL

13



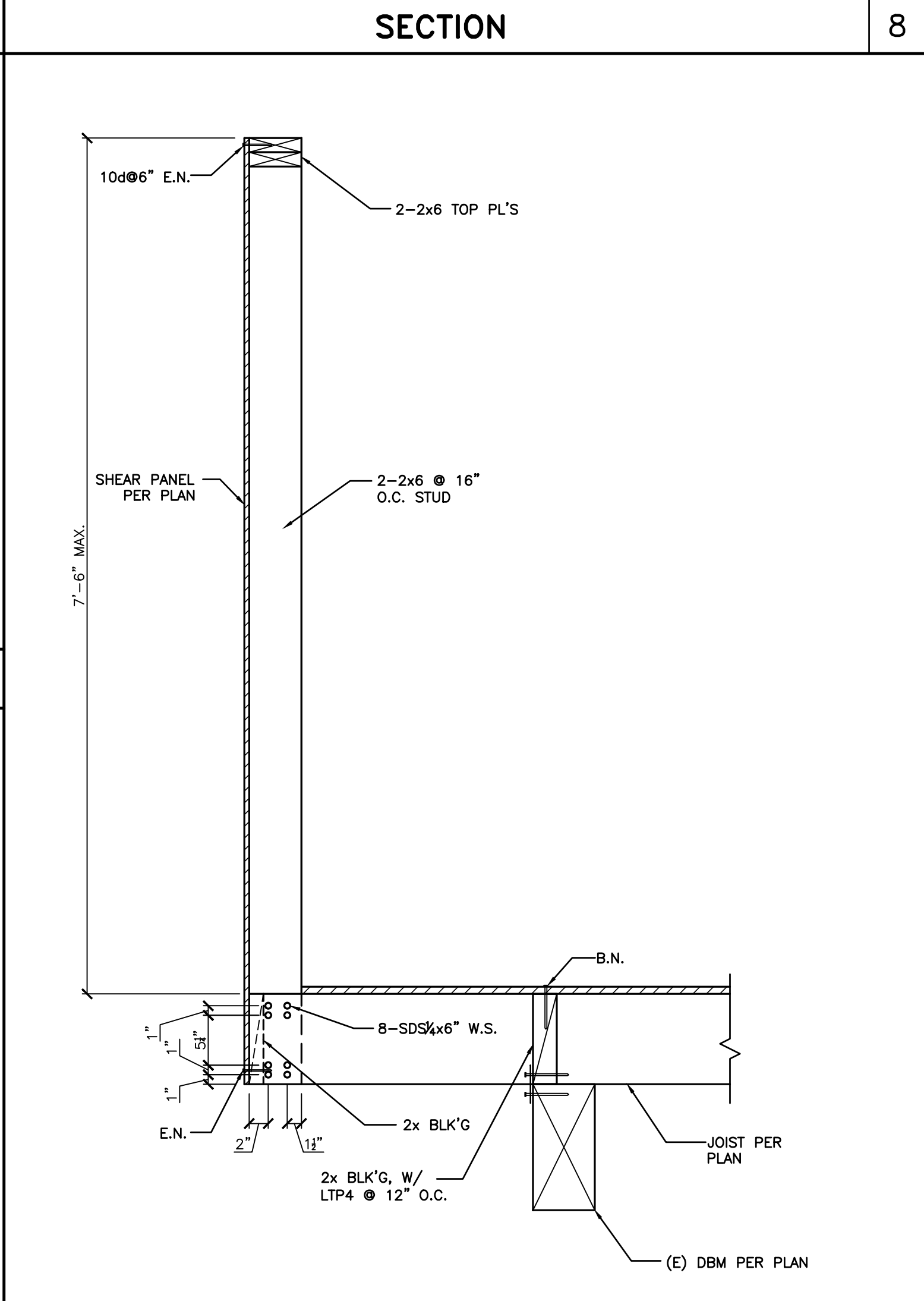
PERIMETER BM CONNECTION DETAIL

14



SECTION

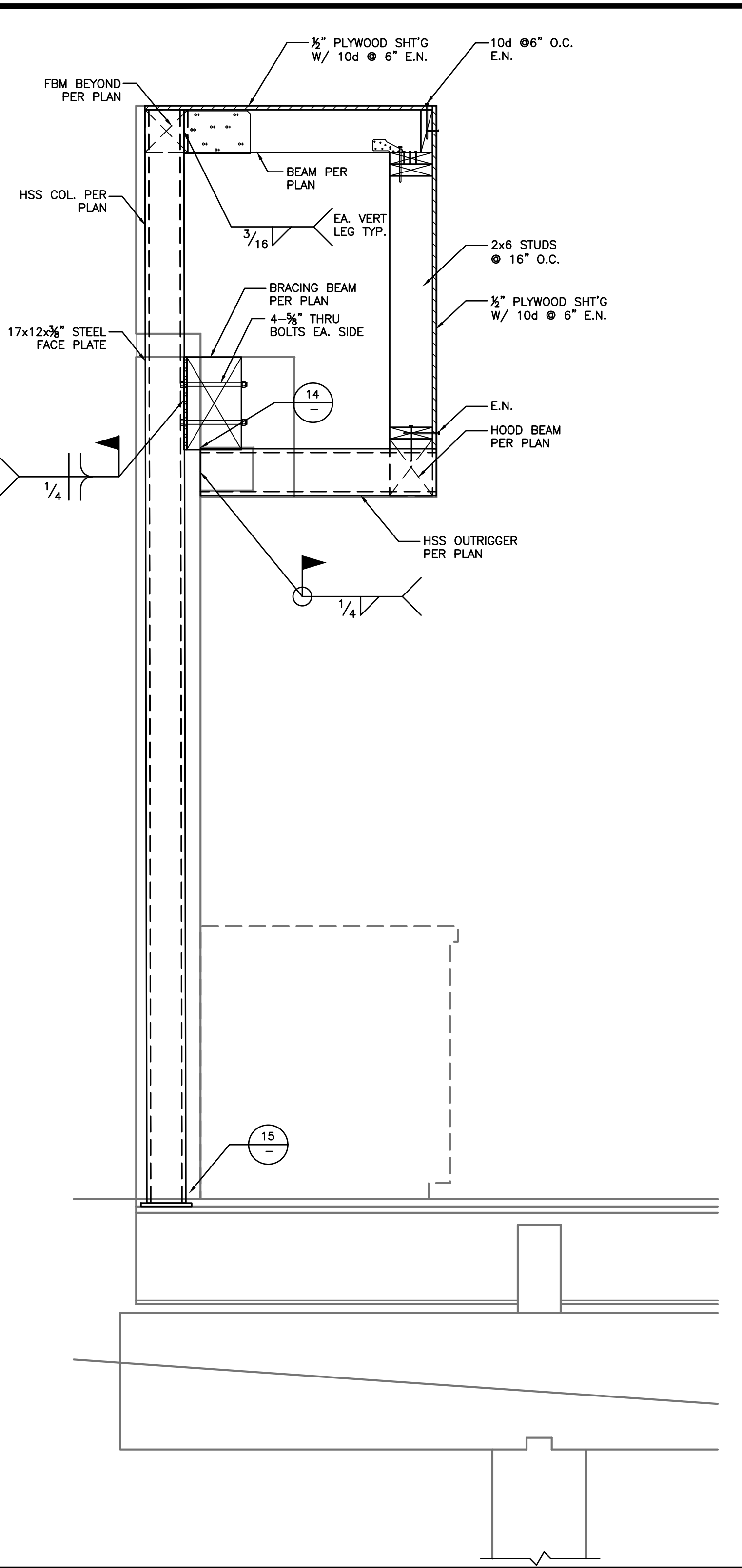
15



DETAIL

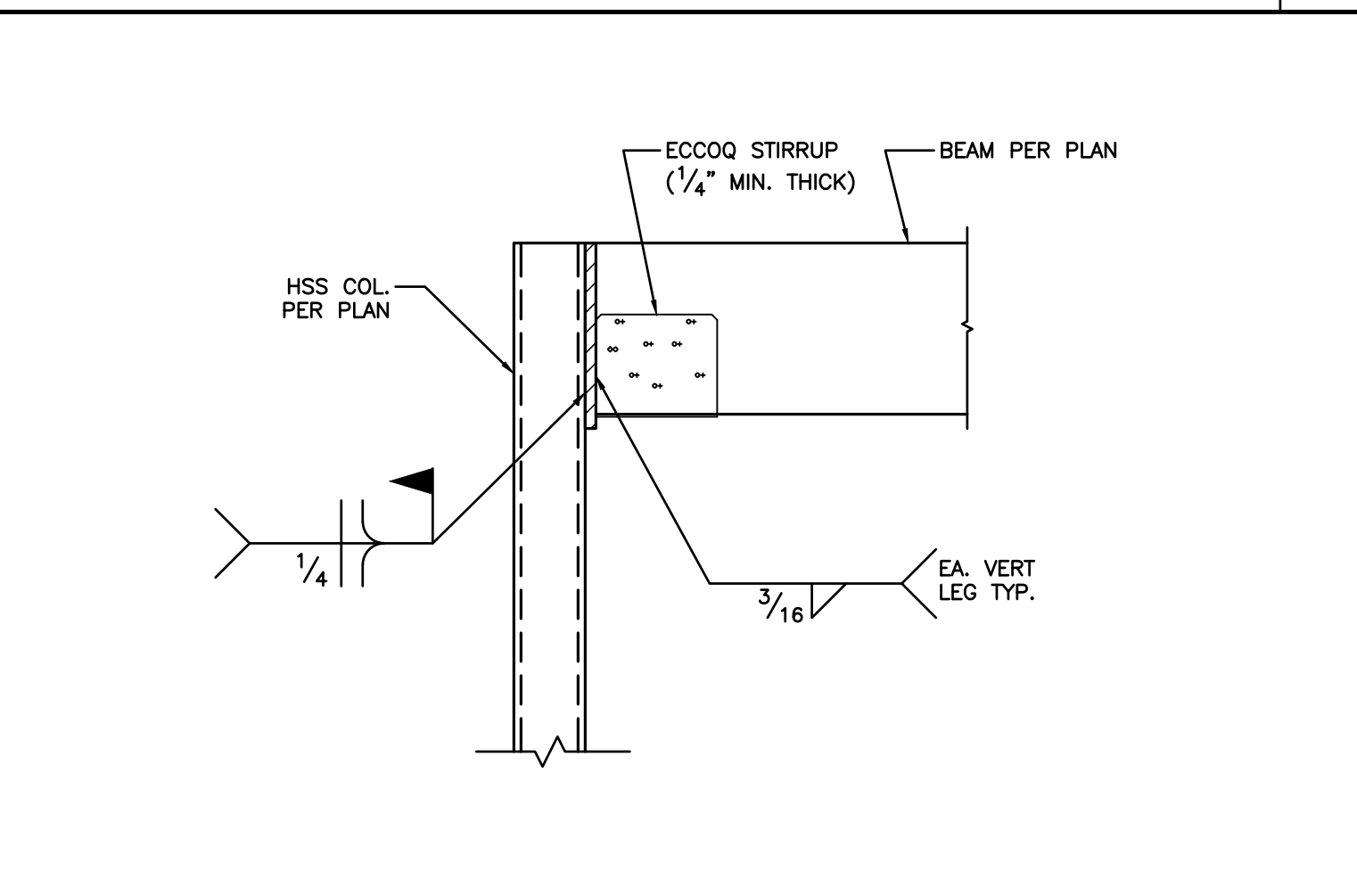
16

FLR DEPRESSION AT BATHROOM DETAILS		2	SLOPING ROOF/DECK BUILT-UP DETAIL		3	DETAIL		4			
SECTION		5	WF COLUMN EXTENSION DETAIL		7	DETAIL		8			
SECTION		9	SECTION		10	SECTION		12			
PLAN SECTION		13	SECTION		14	SECTION		15	SECTION		16



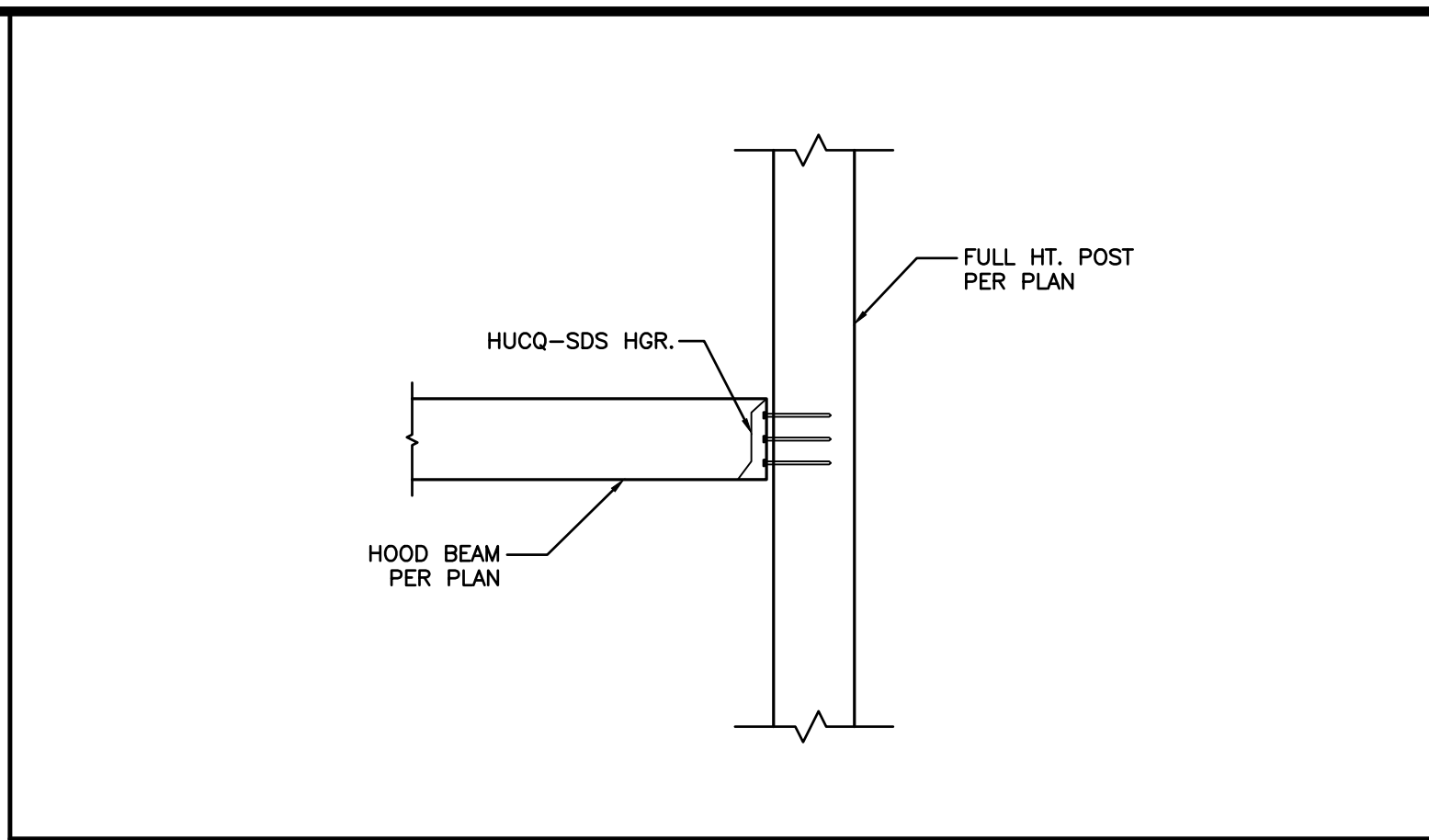
SECTION

9



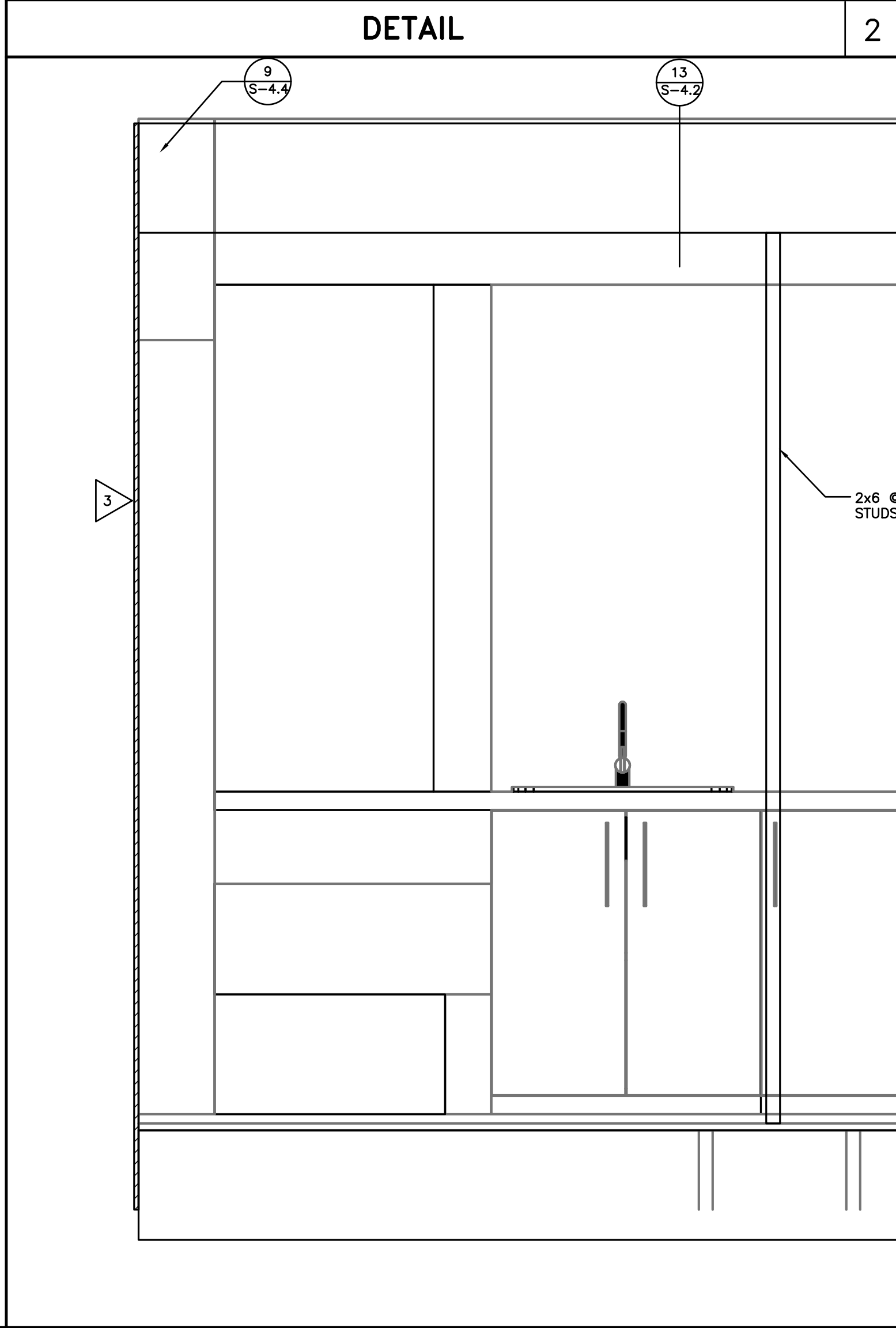
DETAIL

13



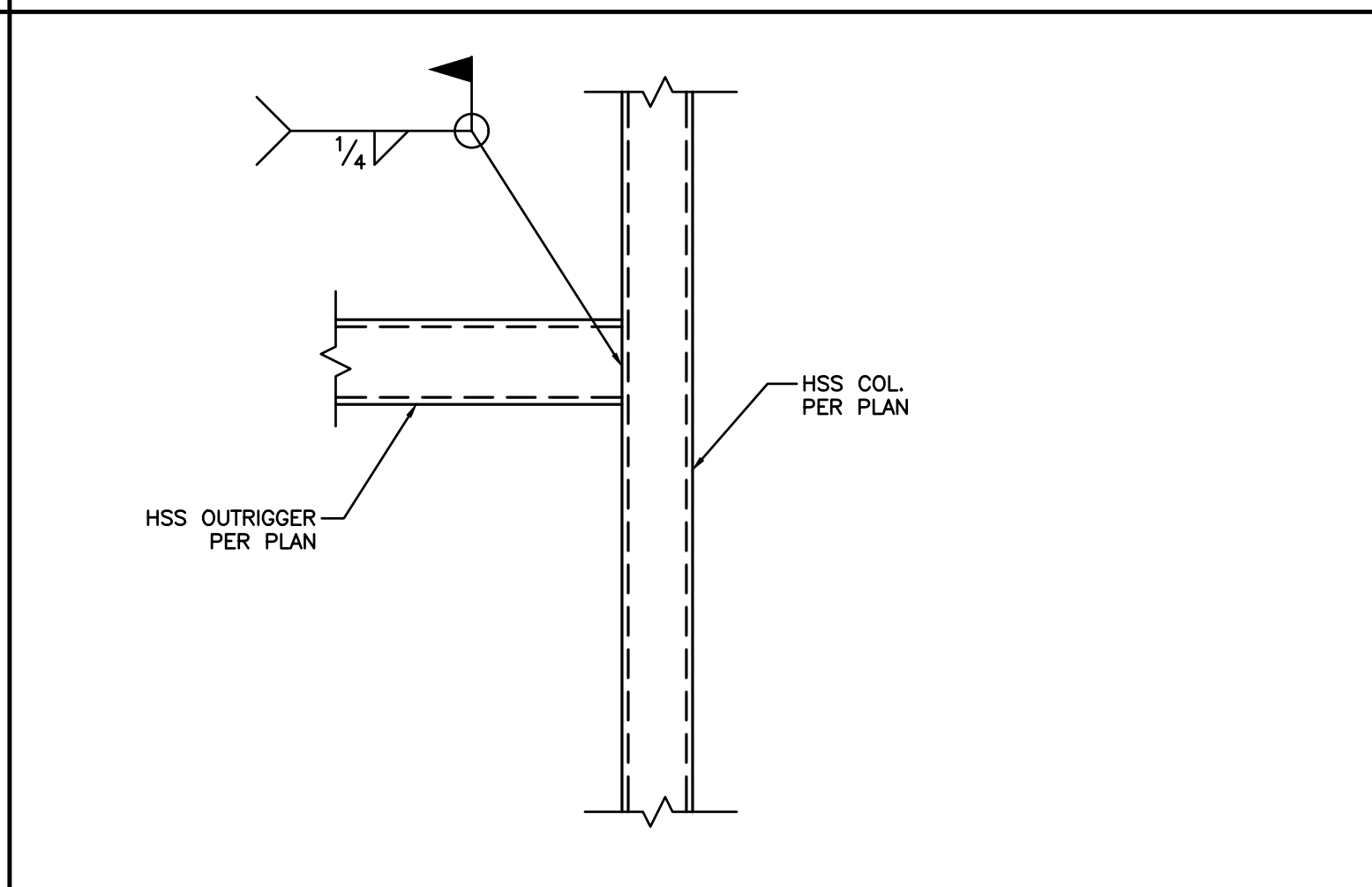
DETAIL

2



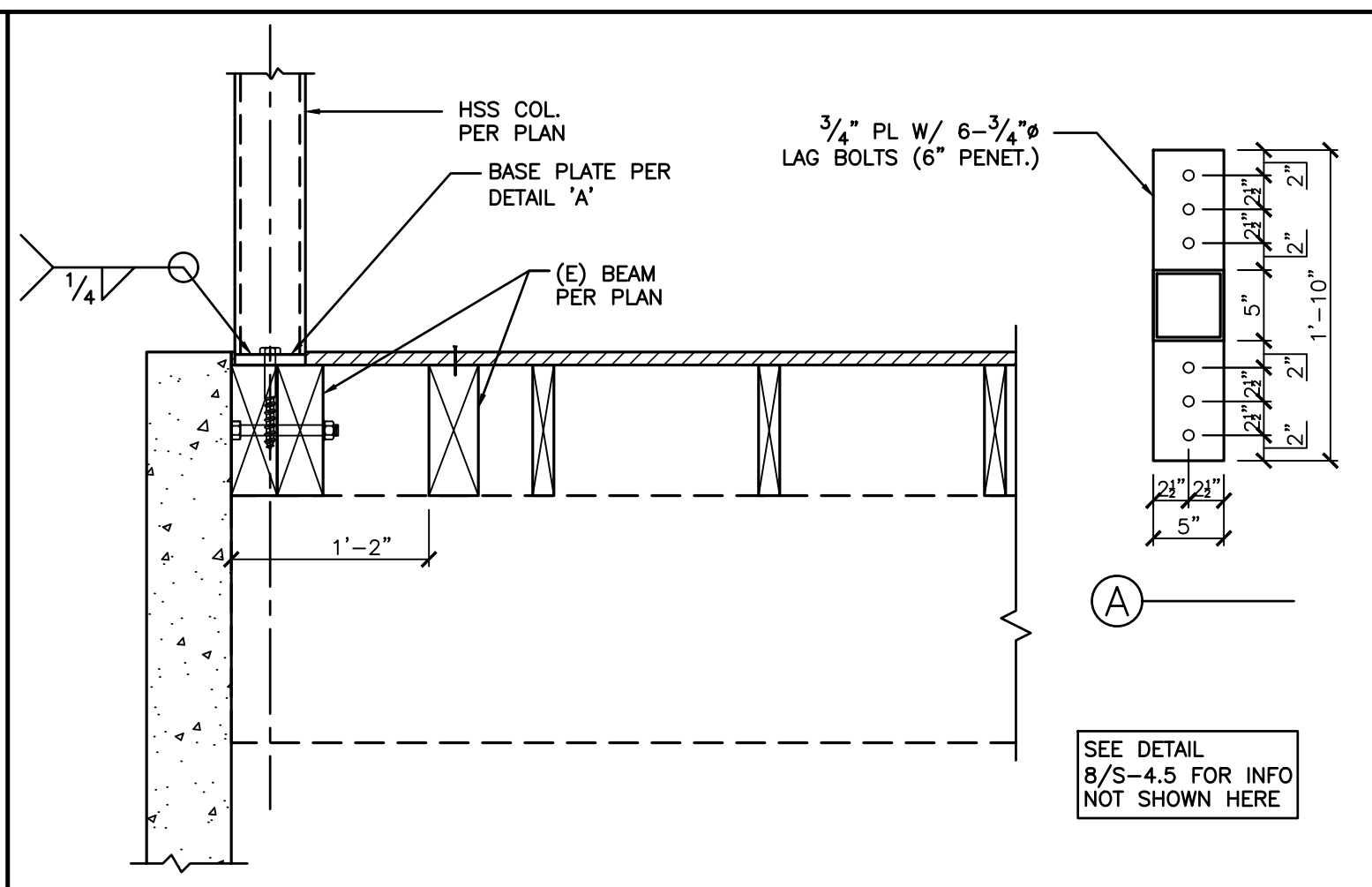
SECTIONAL ELEVATION

12



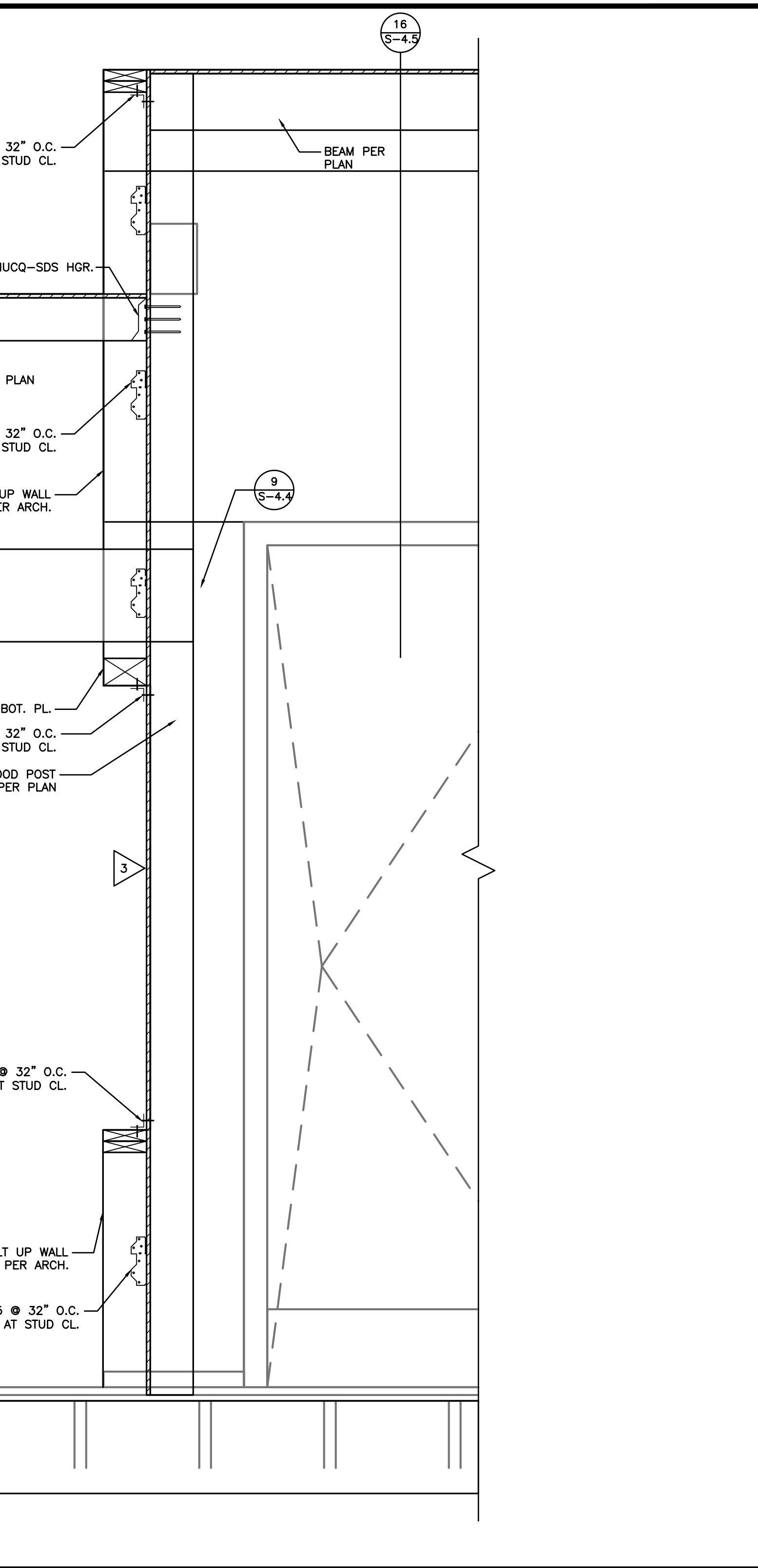
DETAIL

14



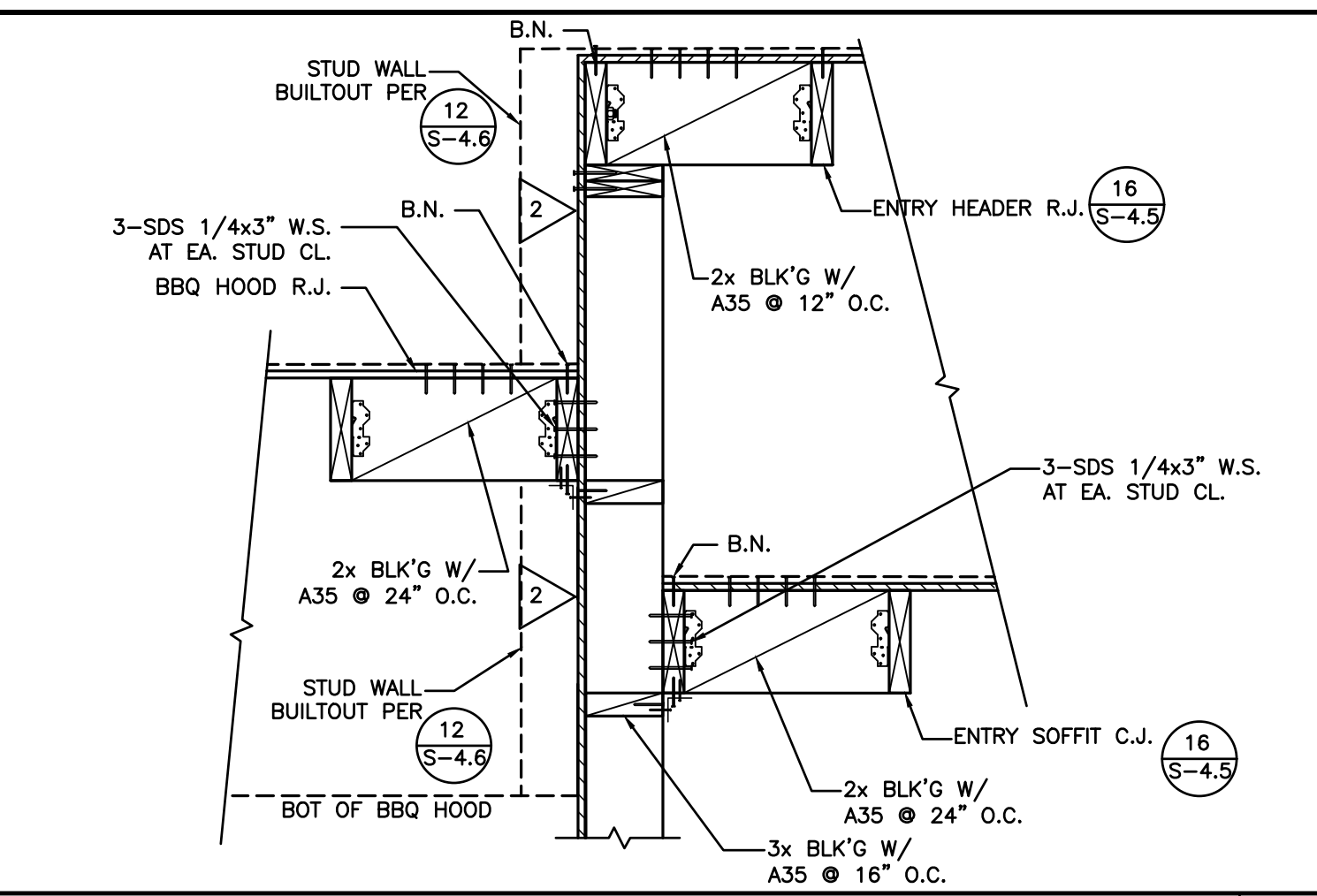
DETAIL

15



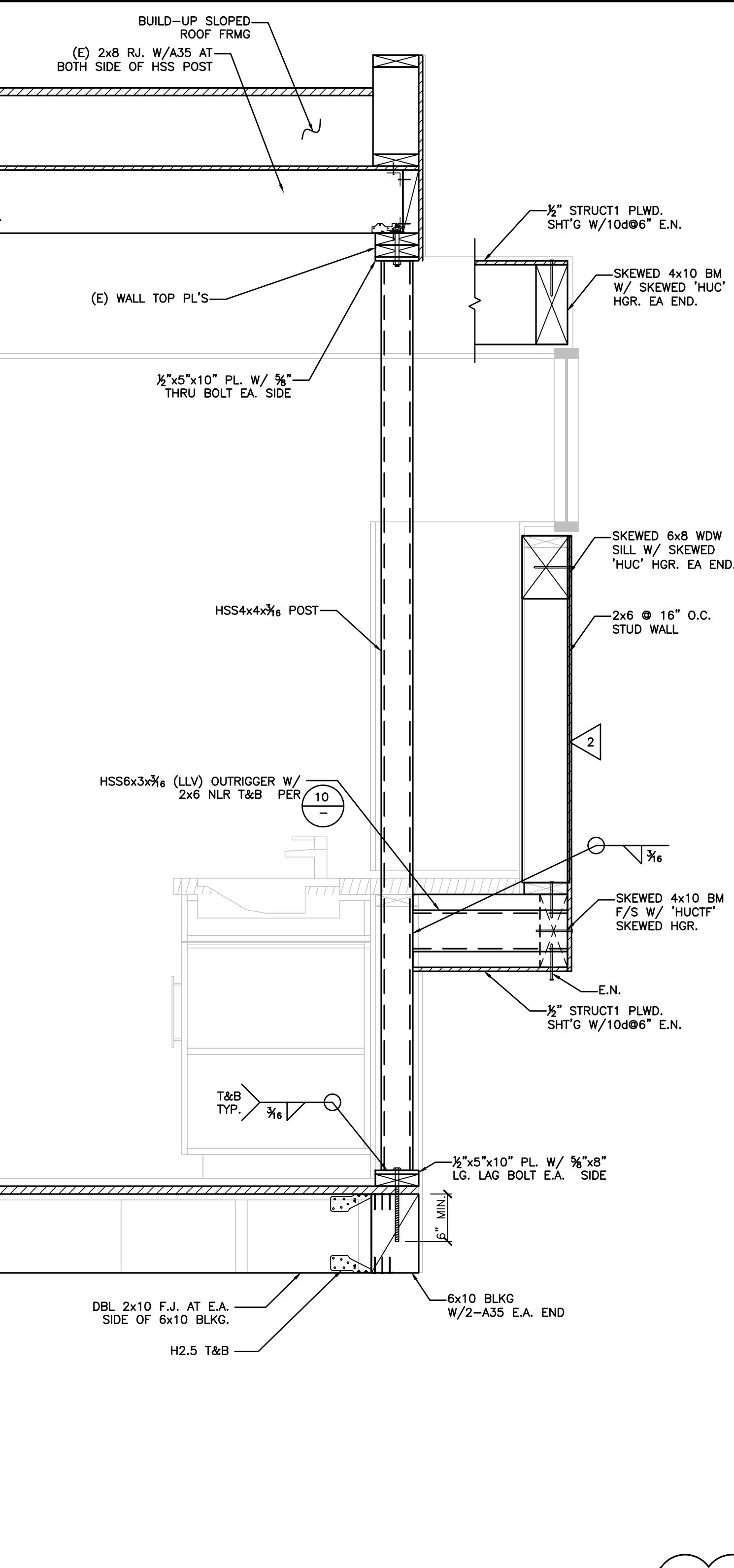
DETAIL

16



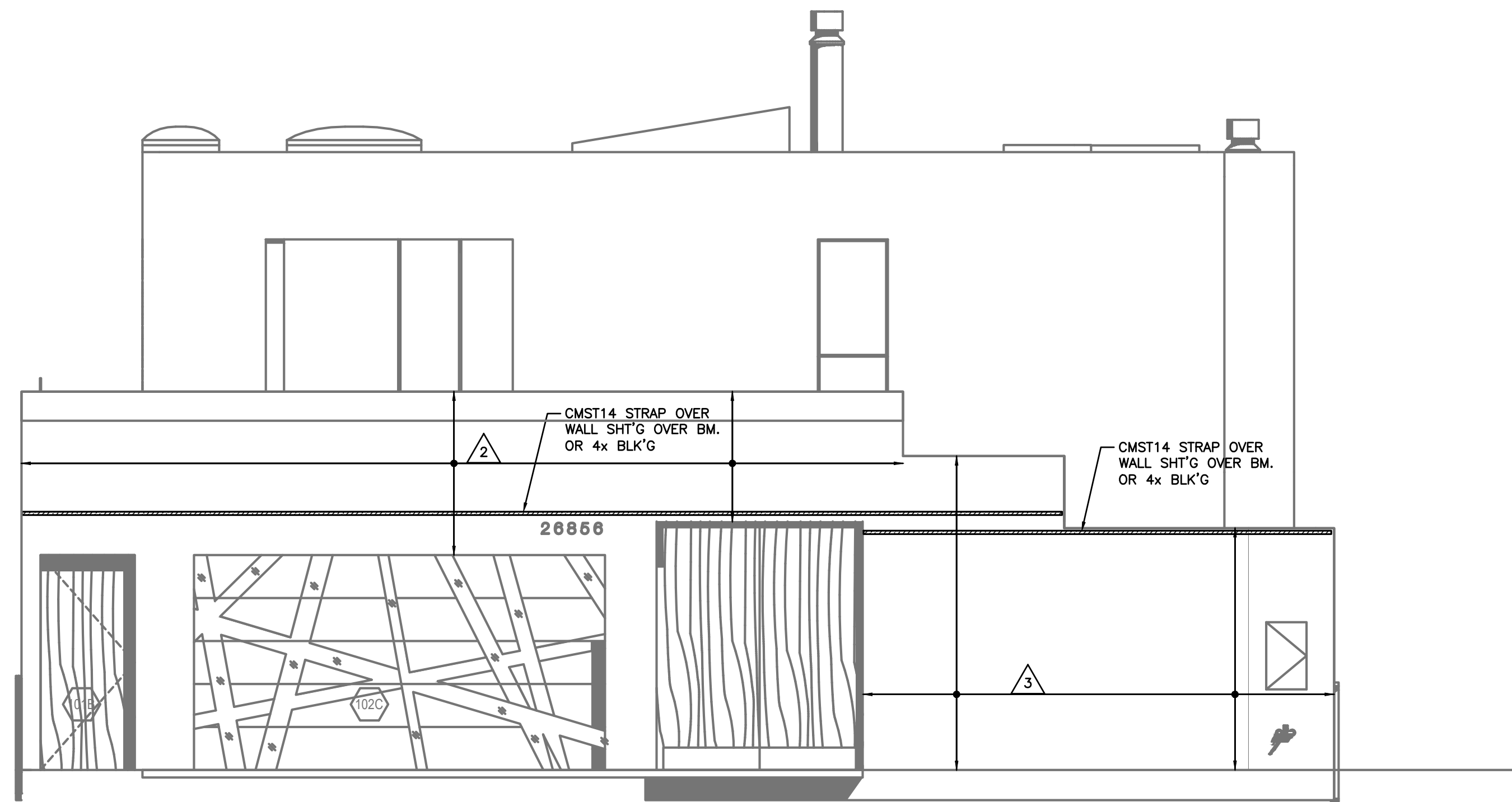
DETAIL

1



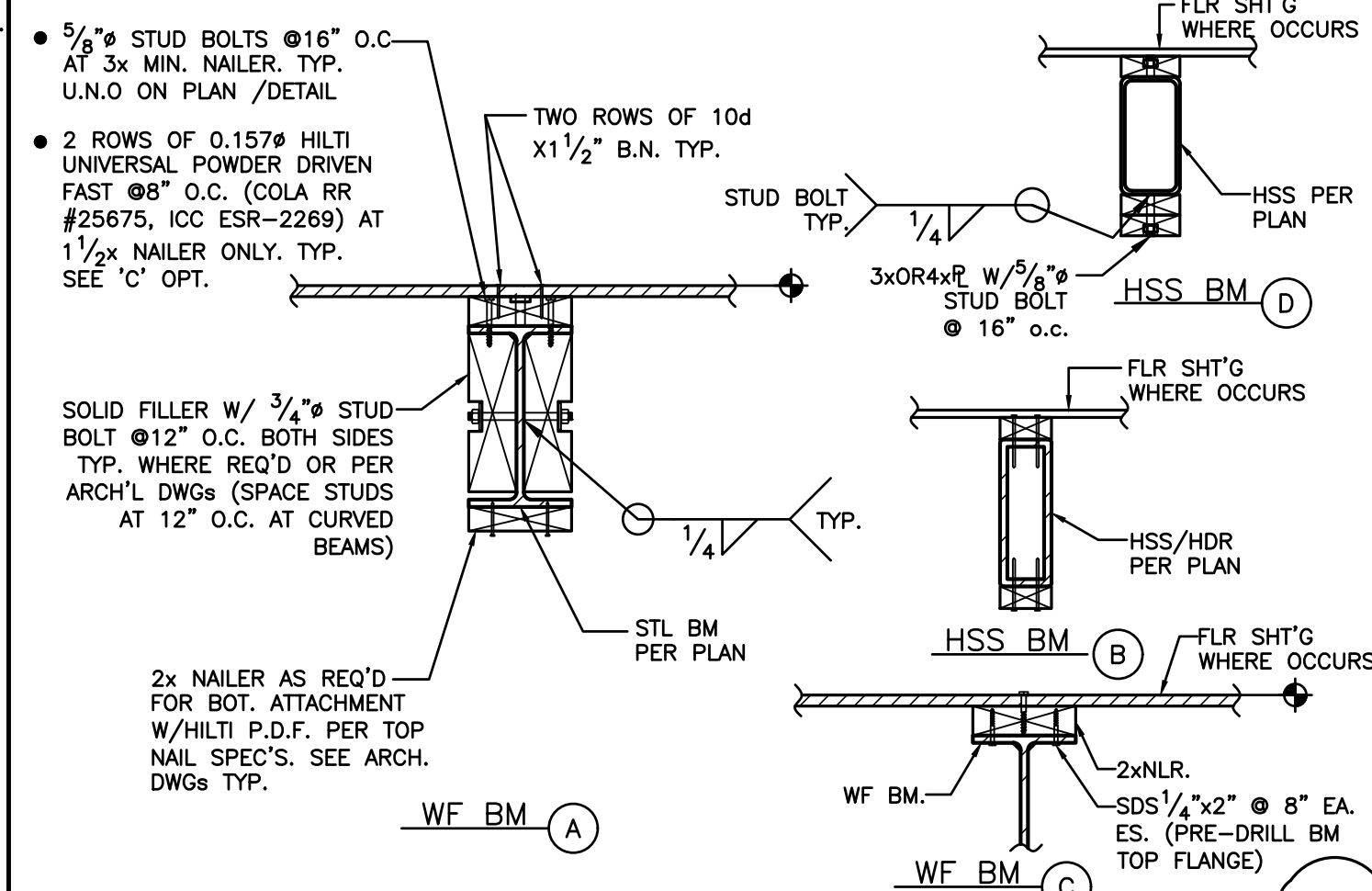
DETAIL

13



SECTIONAL ELEVATION

7



TYP. STL. BM. NAILER DETAIL

10

NOT USED

14

NOT USED

11

NOT USED

15

NOT USED

4

NOT USED

8

NOT USED

12

NOT USED

16