



**FOUNDATION NOTES:**

- ALL DIMENSIONS SHALL BE VERIFIED WITH THE ARCHITECTS DRAWINGS ANY DISCREPANCIES SHALL BE RESOLVED PRIOR TO COMMENCING OF WORK.
- D.F.P.T. PLATE TO BE SECURED WITH 1/2" DIA. BY 10" LONG ANCHOR BOLTS WITH A STANDARD CUT WASHER EMBEDDED AT LEAST 7" INTO CONCRETE WITH A MAXIMUM SPACING OF 72" O.C. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PIECE OF FOUNDATION PLATE WITH ONE BOLT LOCATED WITHIN 12" MAX. & 4-1/2" MIN. OF EA. END OF EA. PIECE. **AT SHEAR WALLS** A PROPERLY SIZED NUT AND 3"x3"x.229" THICK WASHER SHALL BE TIGHTENED ON EA. BOLT TO THE PLATE. HOLE IN PLATE WASHER CAN BE DIAGONALLY SLOTTED W/ A WIDTH OF UP TO 3/16" LARGER THAN BOLT DIAMETER & A SLOT LENGTH NOT TO EXCEED 1 3/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER & THE NUT. U.N.O. BY SUB LETTER 'C' WHEN A CUT WASHER IS OKAY.
  - ALL INTERIOR NON-SHEAR WALLS ARE TO BE SECURED WITH SHOT PINS INSTALLED PER MANUFACTURERS RECOMMENDATIONS, U.N.O. STRUCTURAL ENGINEERS CALCULATIONS GOVERN IN ALL CASES.
  - INSTALL ALL SIMPSON (OR APPROVED EQUAL) FOUNDATION HARDWARE PER MANUFACTURERS RECOMMENDATIONS. DEEPEN FOOTING WHERE NECESSARY TO PROVIDE ANCHOR EMBEDMENT AT HOLDOWN LOCATIONS.

**NOTE:**

WHEN REQUIRED BY LOCAL BUILDING DEPARTMENT ALL ANCHOR BOLTS AND HOLDOWN BOLTS TO BE SET IN PLACE PRIOR TO CITY FOUNDATION INSPECTION

**FOUNDATION INFORMATION:**

- FOUNDATION SIZES, DEPTHS, AND REINFORCEMENT ARE AS RECOMMENDED WITHIN THE OWNER/DEVELOPER'S SOILS ENGINEERS REPORT. SOILS ENGINEER TO PROVIDE FOUNDATION INSPECTION AS OUTLINED IN LATEST SOIL REPORT.
- OWNER/DEVELOPER AND SUBCONTRACTORS ARE TO REVIEW THE SOILS REPORT PRIOR TO COMMENCING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE OWNER, DEVELOPER AND SUBCONTRACTOR TO VERIFY THAT THE REPORT IS CURRENT AND PLAN REQUIREMENTS ARE CONSISTENT WITH ANY UPDATED SOIL REPORTS. ES/FME IS TO BE SUPPLIED WITH ALL UPDATED REPORTS.

**ANCHOR BOLT LEGEND:**

- \* AB32 : 1/2" DIA. X 10" ANCHOR BOLTS AT 32" O.C.
- AB24 : 1/2" DIA. X 10" ANCHOR BOLTS AT 24" O.C.
- AB# : 1/2" DIA. X 10" ANCHOR BOLTS AT #" O.C.
- 2AB : (2) 1/2" DIA X 10" ANCHOR BOLTS.
- 3AB : (3) 1/2" DIA X 10" ANCHOR BOLTS.
- #AB : (#) 1/2" DIA X 10" ANCHOR BOLTS.
- #ABc : c DENOTES STANDARD CUT WASHERS OKAY IN LIEU OF 3" SQ. ONLY REQUIRED.
- 2-#4 : PROVIDE A TOTAL OF 2 #4 AT TOP AND 2 #4 AT BOTTOM OF FOOTING, 4" PAST POSTS.
- 3-#4 : PROVIDE A TOTAL OF 3 #4 AT TOP AND 3 #4 AT BOTTOM OF FOOTING, 4" PAST POSTS.
- 2-#5 : PROVIDE A TOTAL OF 2-#5 AT TOP AND 2-#5 AT BOTTOM OF FOOTING, 6" PAST POSTS.
- HDU2 : (1) SIMPSON HDU2 PER POST.
- HDU# : (1) SIMPSON HDU# PER POST.
- HTT4 : (1) SIMPSON HTT4 PER POST.
- HTT5 : (1) SIMPSON HTT5 PER POST.
- PHD6 : (1) SIMPSON PHD6 PER POST.
- HD8A : (1) SIMPSON HD8A PER POST.
- HD10A : (1) SIMPSON HD10A PER POST.
- HD14A : (1) SIMPSON HD14A PER POST.
- HDQ8 : (1) SIMPSON HDQ8-SDS3 PER POST.
- HHQ11 : (1) SIMPSON HHQ11-SDS2.5 PER POST.
- HHQ14 : (1) SIMPSON HHQ14-SDS2.5 PER POST.

REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS

\* ALT. TO 1/2" ANCHOR BOLTS SIMPSON MASA AT A 1-1 RATIO  
ALL GRADE BEAMS 8"x22 1/2" THICK W/ 2-#5 TOP & BOTTOM, U.N.O.  
W/ #3 TIES @ 12" O.C., U.N.O.

ALL PIERS TYPE [A] UNLESS NOTED OTHERWISE (U.N.O.)

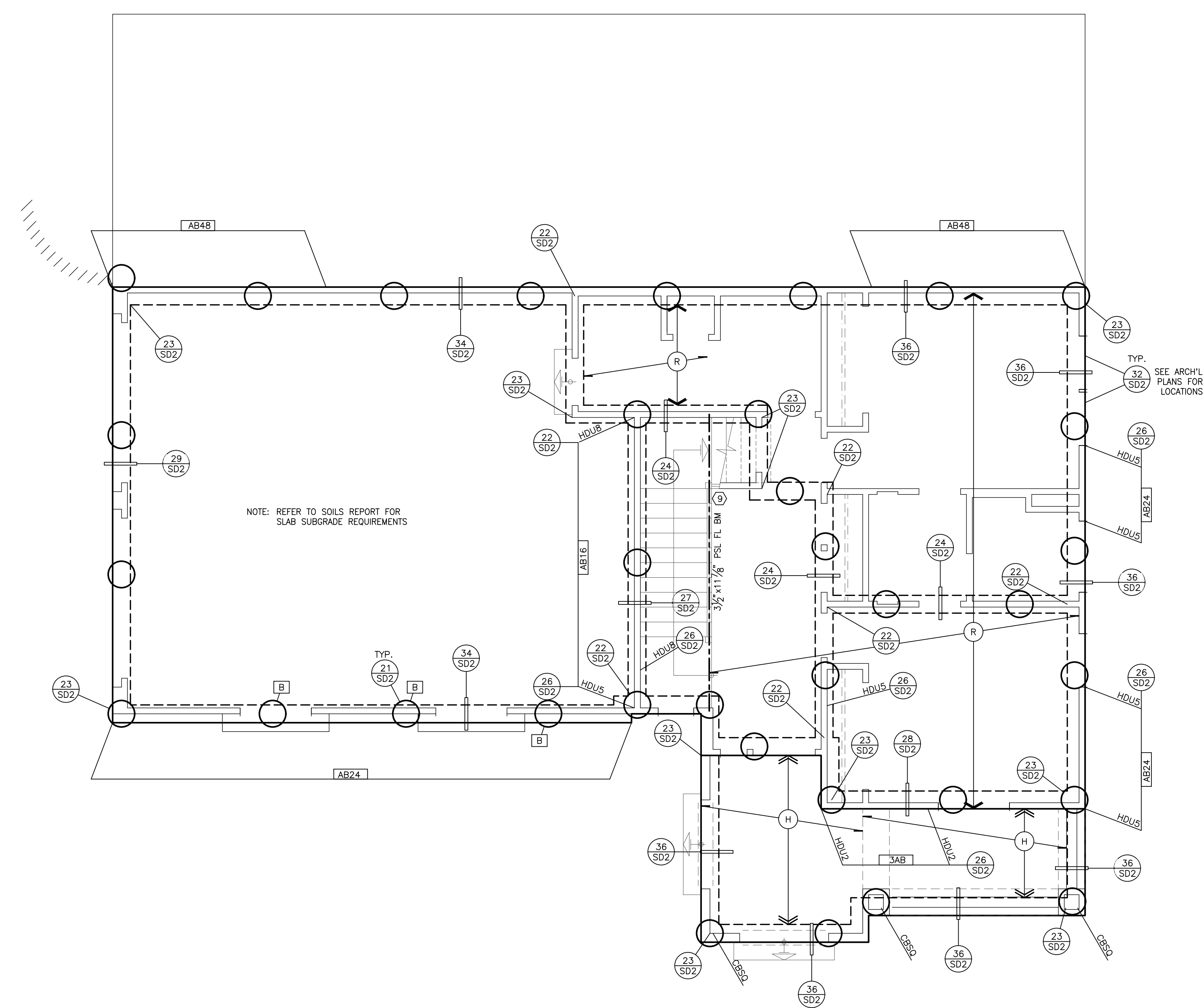
PIER SCHEDULE			SEE (31) FOR TYP. CON.
TYPE	DEPTH INTO BEDROCK	CAPACITY	VERT. REINF.
A	1'-0"	11,175 *	(5) #6
B	10'-0"	18,840 *	(10) #6
C	20'-0"	43,000 *	-

Diagram showing a pier cross-section with depth into bedrock and reinforcement details. The pier has a diameter of 1'-0" and is shown with reinforcement bars. The diagram indicates a minimum depth into bedrock of 5" and a maximum depth of 1'-0" for pier type A. The reinforcement consists of 5 #6 bars for type A, 10 #6 bars for type B, and no reinforcement for type C.

- ALL PIERS TO BE INTERCONNECTED WITH GRADE BEAMS

PIERS: #6 # PIER W/ #3 TIES AT 12" o/c PIERS SHALL PENETRATE AT LEAST 5'-0" INTO BEDROCK & A MIN. OF 10' BELOW THE LOWEST ADJACENT GRADE AS IDENTIFIED BY THE SOILS ENGINEER DURING CONSTRUCTION (SEE SOILS REPORT FOR MORE RECOMMENDATIONS.)

THE EXCAVATION OF ALL DRILLED SHAFTS SHOULD BE OBSERVED BY A CORNERSTONE REPRESENTATIVE TO CONFIRM THE SOIL PROFILE, VERIFY THAT THE PIERS EXTEND THE MINIMUM DEPTH INTO SUITABLE MATERIALS AND THAT THE PIERS ARE CONSTRUCTED IN ACCORDANCE WITH OUR RECOMMENDATIONS AND PROJECT REQUIREMENTS. THE DRILLED SHAFTS SHOULD BE STRAIGHT, DRY AND RELATIVELY FREE OF LOOSE MATERIAL BEFORE REINFORCING STEEL IS INSTALLED AND CONCRETE IS PLACED. IF GROUND WATER CANNOT BE REMOVED FROM THE EXCAVATIONS PRIOR TO CONCRETE PLACEMENT, DRILLING SLURRY OR CASING MAY BE REQUIRED TO STABILIZE THE SHAFT AND THE CONCRETE SHOULD BE PLACED USING A TREMIE PIPE, KEEPING THE TREMIE PIPE BELOW THE SURFACE OF THE CONCRETE TO AVOID ENTRAPMENT OF WATER OR DRILLING SLURRY IN THE CONCRETE.



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STRUCTURAL ENGINEERS  
1800 E. 16TH ST. STE. B  
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PHONE: 714-895-2800  
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IN-ET76 05/23/2017

**FOUNDATION PLAN**

HIGHLAND ESTATES  
LOT 6: 2135 TICONDEROGA DR.  
SAN MATEO, CA  
THE CHAMERLAIN GROUP



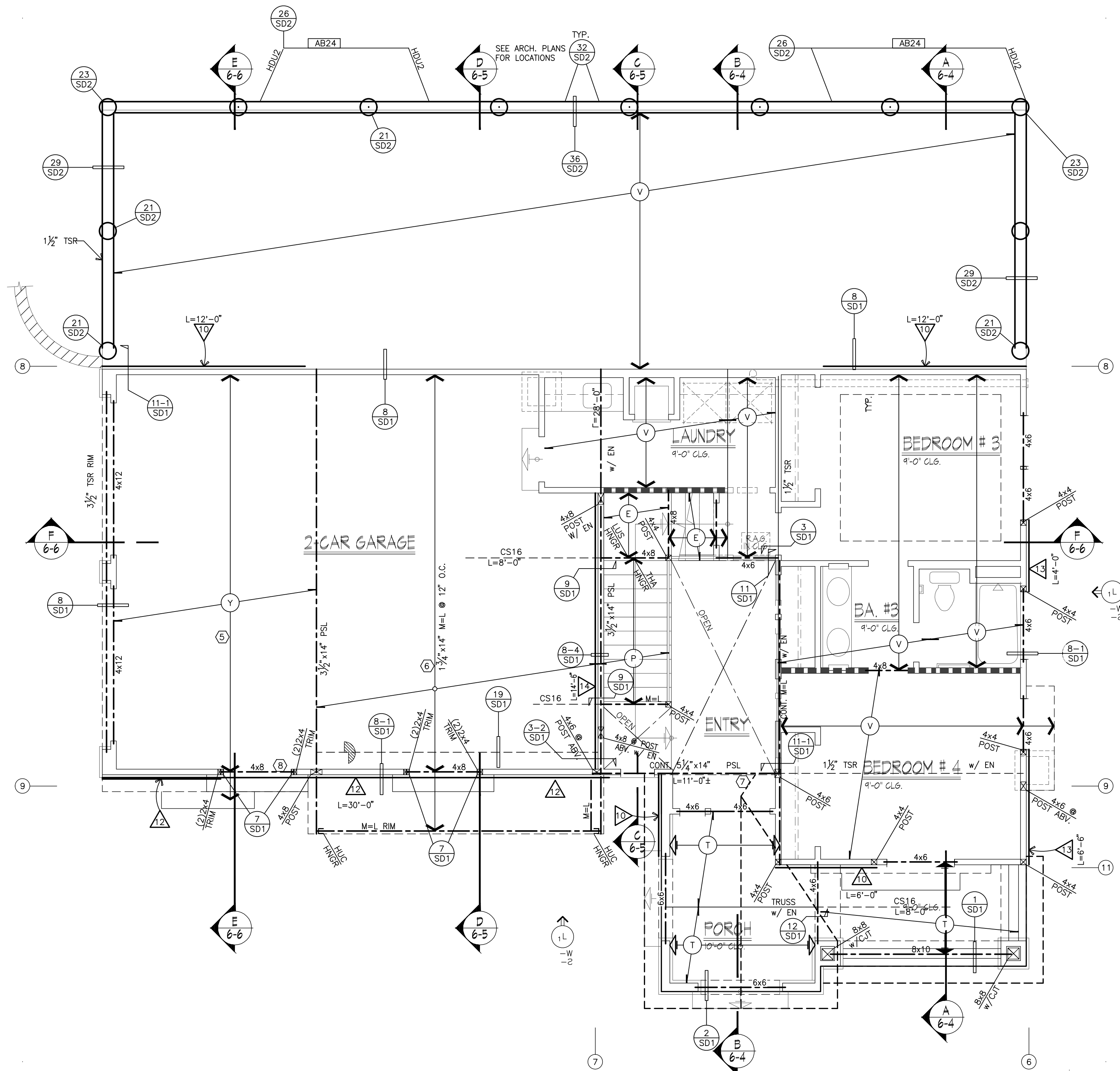
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PLOT DATE  
05/23/2017  
JOB NO.  
E776  
SHEET

**S6-1**

SHEET: 2 OF: 6

**FOUNDATION PLAN 6A**

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



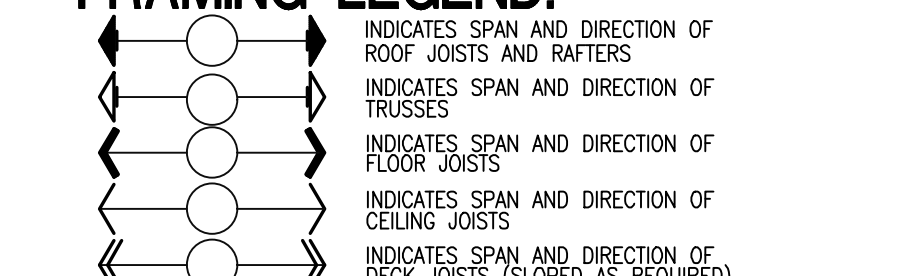
### LATERAL SHEAR NOTES:

- ( 2013 CBC, SDPWS-2008 ; SEISMIC DESIGN CATEGORY D & E ) FRAMING MEMBERS DOUGLAS FIR-LARCH AT 16' O.C.
10. 3/8" WOOD STRUCTURAL PANEL WITH 8d COMMON NAILS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 260 PLF
11. 3/8" WOOD STRUCTURAL PANEL WITH 8d COMMON NAILS AT 4" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 350 PLF
12. 3/8" WOOD STRUCTURAL PANEL WITH 8d COMMON NAILS AT 3" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 490 PLF
13. 3/8" WOOD STRUCTURAL PANEL WITH 8d COMMON NAILS AT 2" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 640 PLF
14. 1/2" (OR 15/32) WOOD STRUCTURAL PANEL WITH 10d COMMON NAILS AT 2" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 770 PLF
15. 1/2" (OR 15/32) STRUCT. 1 WOOD PANEL WITH 10d COMMON NAILS AT 2" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 870 PLF
20. BLOCKED PLYWOOD DIAPHRAGM WITH 3/8" WOOD STRUCTURAL PANEL AND 8d COMMON NAILS AT 6" O.C. AT BOUNDARIES, 6" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 240 PLF
21. BLOCKED PLYWOOD DIAPHRAGM WITH 3/8" WOOD STRUCTURAL PANEL AND 8d COMMON NAILS AT 4" O.C. AT BOUNDARIES, 6" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 320 PLF
22. BLOCKED PLYWOOD DIAPHRAGM WITH 3/8" WOOD STRUCTURAL PANEL AND 8d COMMON NAILS AT 2.5" O.C. STAGG. AT BOUNDARIES, 4" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 480 PLF
23. BLOCKED PLYWOOD DIAPHRAGM WITH 3/8" WOOD STRUCTURAL PANEL AND 8d COMMON NAILS AT 2" O.C. STAGG. AT BOUNDARIES, 3" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 545 PLF
24. HORIZONTAL: 19/32" WOOD STRUCTURAL PANEL WITH 19/32" WOOD STRUCTURAL PANEL AND 10d COMMON NAILS AT 6" O.C. AT BOUNDARIES, 6" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 320 PLF
25. BLOCKED PLYWOOD DIAPHRAGM WITH 19/32" WOOD STRUCTURAL PANEL AND 10d COMMON NAILS AT 4" O.C. AT BOUNDARIES, 6" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 425 PLF
26. BLOCKED PLYWOOD DIAPHRAGM WITH 19/32" WOOD STRUCTURAL PANEL AND 10d COMMON NAILS AT 2.5" O.C. STAGG. AT BOUNDARIES, 4" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 640 PLF
27. BLOCKED PLYWOOD DIAPHRAGM WITH 19/32" WOOD STRUCTURAL PANEL AND 10d COMMON NAILS AT 2" O.C. STAGG. AT BOUNDARIES, 3" O.C. AT EDGES AND 10" O.C. AT FIELD ..... 730 PLF

- NOTES:
- A. WOOD STRUCTURAL PANEL: MATERIAL APPROVED BY APA, PFS/TECO OR PITTSBURGH TESTING LABORATORIES THESE VALUES ARE FOR DOUG-FIR LARCH OR SOUTHERN PINE. OTHER LUMBER SPECIES MAY DIFFER IN SHEAR CAPACITIES.
- B. PROVIDE 2X BLOCKING AT HORIZONTAL WOOD STRUCTURAL PANEL JOINTS. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3X WHEN NAILING IS 2.5" O.C. OR LESS.
- C. WHERE WOOD STRUCTURAL PANEL IS APPLIED ON BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" O.C., PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3X OR WIDER AND NAILS STAGGERED ON EACH SIDE. FOR SHEAR WALLS USE THE FOLLOWING:

- 1) USE 3x MEMBER @ PANEL JOINTS & HORIZONTAL BLOCKING
  - 2) EDGE NAILING SHALL BE STAGGERED
  - 3) 10d SHORT BOX NAILS MAY BE USED IN LIEU OF 8d COMMON NAILS @ SHEAR WALLS ONLY.
  - 4) REQUIRED PLATE WASHERS AT SHEAR WALLS TO BE: 3" x 3" x .229" STEEL PLATE U.N.O. WITH SUB SCRIPT c WHERE STANDARD CUT WASHERS ARE OKAY (SDPWS SECT. 4.3.6.4.3) WASHER MAY BE SLOT CUT PROVIDED A STANDARD CUT WASHER IS PROVIDED BETWEEN THE WASHER AND NUT. WASHER TO BE INSTALLED WITHIN 1/2" OF SHEATHED SIDE OF PLATE.
  - 5) A STANDARD CUT WASHER MAY BE USED AT ALL NON-SHEAR WALL LOCATIONS WITH ANCHOR BOLTS.
- HORIZONTAL: ALL ROOF AND FLOOR SHEATHING TO BE EXPOSURE 1 OR EXTERIOR (TABLE 2306.2.1)
- ROOF: JUST SPACING EQUAL TO OR LESS THAN 24" O.C. 15/32" WOOD STRUCTURAL PANEL PII 32/16, WITH 8d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. HORIZONTAL DIAPHRAGM VALUES FOR 3/8" WOOD STRUCTURAL PANELS MAY BE USED FOR 15/32" WOOD STRUCTURAL PANELS. U.N.O.
- FLOOR: JUST SPACING EQUAL TO OR LESS THAN 16" O.C. 19/32" WOOD STRUCTURAL PANEL T&G SHTG, PII 32/16, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. JUST SPACING EQUAL TO OR LESS THAN 20" O.C. 19/32" WOOD STRUCTURAL PANEL T&G SHTG, PII 40/20, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. JUST SPACING EQUAL TO OR LESS THAN 24" O.C. 23/32" WOOD STRUCTURAL PANEL T&G SHTG, PII 46/24, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD.
- \* PANEL EDGES SHALL HAVE APPROVED TAG JOINTS OR SHALL BE SUPPORTED WITH BLOCKING NOT REQUIRED WHEN LIGHTWEIGHT CONCRETE IS PLACED OVER SUBFLOOR.

### FRAMING LEGEND:



MARK	SPACING	SIZE & MANUFACTURER OPTIONS
D	12" O.C.	1 1/2" x 8" TJI / 230
R	16" O.C.	1 1/2" x 8" TJI / 230
S	19.2" O.C.	1 1/2" x 8" TJI / 230
U	12" O.C.	1 1/2" x 8" TJI / 230
V	16" O.C.	1 1/2" x 8" TJI / 230
W	19.2" O.C.	1 1/2" x 8" TJI / 230
X	12" O.C.	1 1/2" x 8" TJI / 230
Y	16" O.C.	1 1/2" x 8" TJI / 230
Z	19.2" O.C.	1 1/2" x 8" TJI / 230

MARK	DESCRIPTION	CEILING JOIST SCHEDULE
SPN12	16d SOLE PLATE NAILING @ 12" O.C.	2x4 12" O.C. 9'-1"
SPN18	16d SOLE PLATE NAILING @ 18" O.C.	16" O.C. 8'-4"
SPN24	16d SOLE PLATE NAILING @ 24" O.C.	24" O.C. 7'-2"
SPN36	16d SOLE PLATE NAILING @ 36" O.C.	12" O.C. 14'-6"
SPN48	16d SOLE PLATE NAILING @ 48" O.C.	16" O.C. 13'-4"
SPN60	16d SOLE PLATE NAILING @ 60" O.C.	24" O.C. 11'-6"
SPN72	16d SOLE PLATE NAILING @ 72" O.C.	12" O.C. 20'-4"
SPN84	16d SOLE PLATE NAILING @ 84" O.C.	16" O.C. 18'-3"
SPN96	16d SOLE PLATE NAILING @ 96" O.C.	24" O.C. 16'-1"

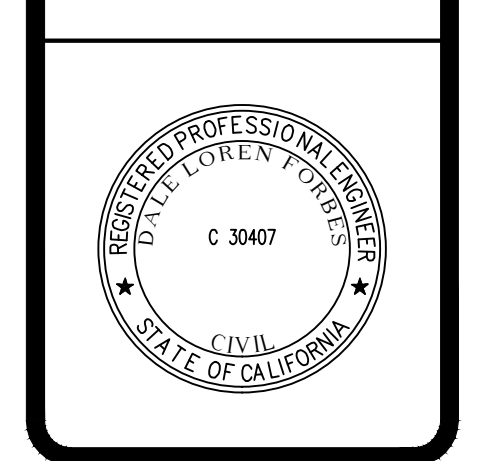
1. AT GABLE END WALLS IF PLY SHEAR IS RUN UP TO AND NAILED TO BOT. CHORD OF TRUSS -OK TO OMIT A35'S AND PLATE SPICE NAILING
2. AT EXT WALLS IF PLY SHEAR IS RUN UP TO AND NAILED TO T.S.R. -OK TO OMIT A35'S AND PLATE SPICE NAILING AND 2ND FLOOR SPECIAL SILL PLATE NAILING, BUT ADD ST6224 AT EACH RIM SPLICE.

REVISIONS
6-2-17 BDC

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REG. NO. 05-232017

## FLOOR FRAMING PLAN

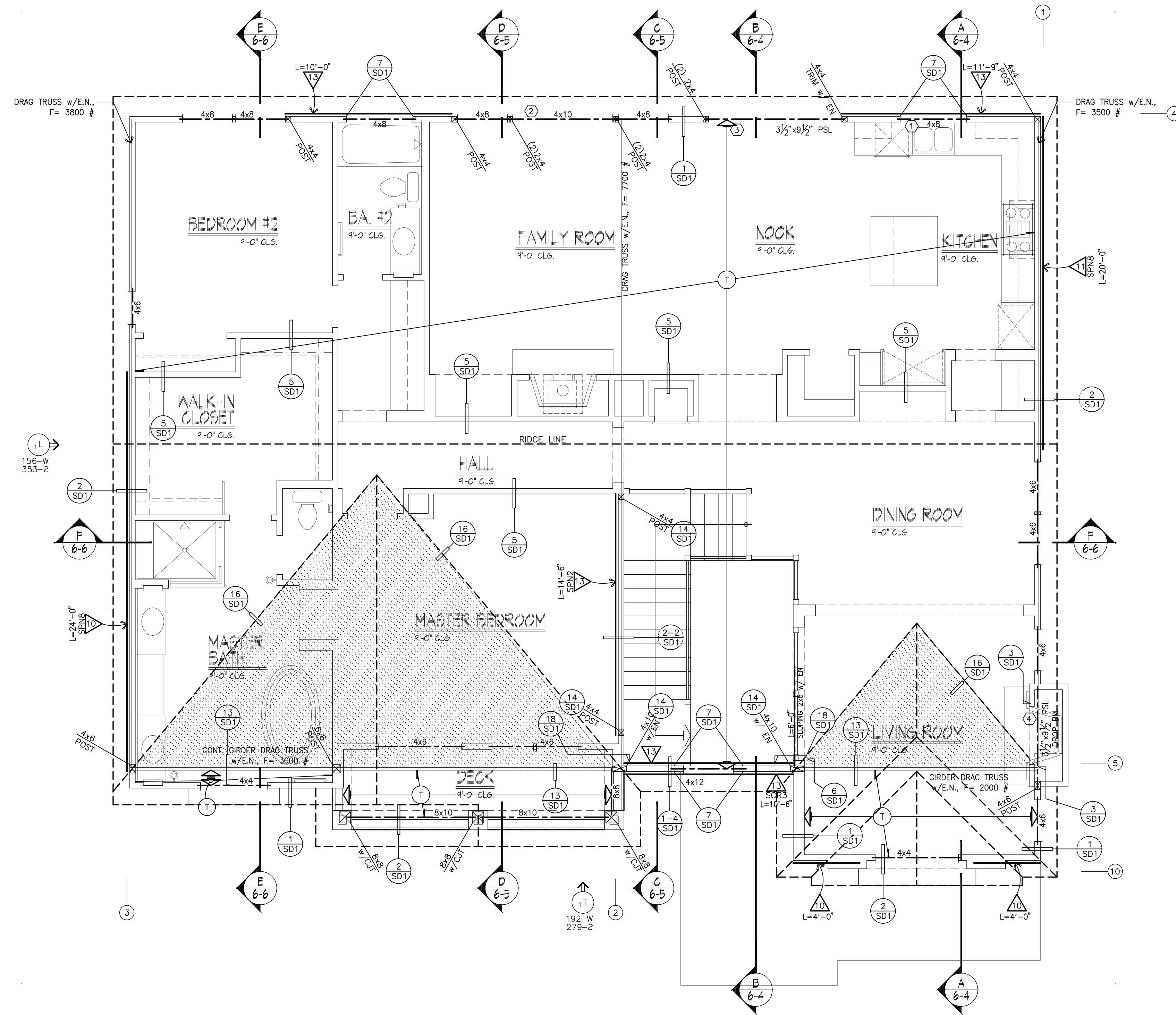
HIGHLAND ESTATES  
LOT 6: 2135 TICONDEROGA DR.  
SAN MATEO, CA  
THE CHAMERLAIN GROUP



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CHECKED
PLOT DATE 05/23/2017
JOB NO. E776
SHEET
<b>S6-2</b>
SHEET: 3 OF: 6

## FLOOR FRAMING PLAN 6A

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

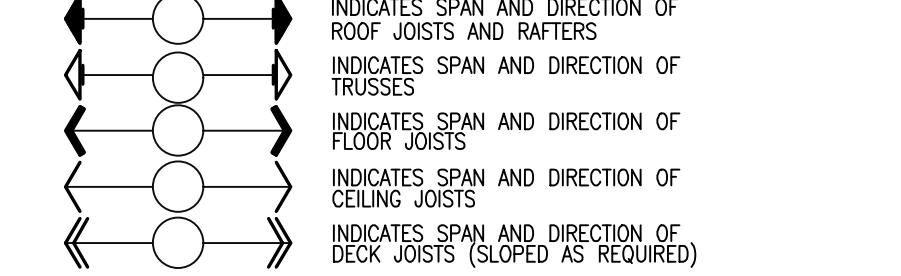


### LATERAL SHEAR NOTES:

- ( 2013 CBC, SDPWS-2008 ; SEISMIC DESIGN CATEGORY D & E ) FRAMING MEMBERS DOUGLAS FIR-LARCH AT 16' O.C.
- TABLE 4.3A, AFPA SDPWS-2008 }
- 3/8" WOOD STRUCTURAL PANEL WITH 8d COMMON NAILS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 260 PLF
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  - 1/2" (OR 15/32) STRUCT. 1 WOOD PANEL WITH 10d COMMON NAILS AT 2" O.C. AT EDGES AND 12" O.C. AT FIELD ..... 870 PLF
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- ROOF: JUST SPACING EQUAL TO OR LESS THAN 24" O.C. 15/32" WOOD STRUCTURAL PANEL PII 32/16, WITH 8d'S AT 6" O.C. EDGES AND BOUNDARIES, 12" O.C. FIELD. HORIZONTAL DIAPHRAGM VALUES FOR 3/8" WOOD STRUCTURAL PANELS MAY BE USED FOR 15/32" WOOD STRUCTURAL PANELS. U.N.O.
- FLOOR: \* JUST SPACING EQUAL TO OR LESS THAN 16" O.C. 19/32" WOOD STRUCTURAL PANEL T&G SHG, PII 32/16, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. JUST SPACING EQUAL TO OR LESS THAN 20" O.C. 19/32" WOOD STRUCTURAL PANEL T&G SHG, PII 40/20, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. JUST SPACING EQUAL TO OR LESS THAN 24" O.C. 23/32" WOOD STRUCTURAL PANEL T&G SHG, PII 46/24, w/10d'S AT 6" O.C. AT EDGES AND BOUNDARIES, 12" O.C. FIELD. \* PANEL EDGES SHALL HAVE APPROVED JOINTS OR SHALL BE SUPPORTED WITH BLOCKING NOT REQUIRED WHEN LIGHTWEIGHT CONCRETE IS PLACED OVER SUBFLOOR.

### FRAMING LEGEND:



MARK	SPACING	SIZE & MANUFACTURER OPTIONS
Q	I-JOIST @ 12" O.C.	1 1/8" TJI / 230
R	I-JOIST @ 16" O.C.	1 1/2" TJI / 230
S	I-JOIST @ 19.2" O.C.	1 3/4" TJI / 230
U	I-JOIST @ 12" O.C.	1 1/8" TJI / 230
V	I-JOIST @ 16" O.C.	1 1/2" TJI / 230
W	I-JOIST @ 19.2" O.C.	1 3/4" TJI / 230
X	I-JOIST @ 12" O.C.	1 1/8" TJI / 360
Y	I-JOIST @ 16" O.C.	1 1/2" TJI / 360
Z	I-JOIST @ 19.2" O.C.	1 3/4" TJI / 360

- M=L INDICATES (1) 1 3/4" x DEPTH OF JOIST MICROLAM LVL 1.9 E  
 PSL INDICATES PARALLAM PSL 2.0 E  
 TSR INDICATES 1 1/2" BY DEPTH OF JOIST TIMBERSTRAND RIM  
 E.N. INDICATES EDGE NAILING @ 6" O.C.  
 G.T. GIRDER TRUSS  
 C-TM INDICATES CONNECTION BY TRUSS MANUFACTURER  
 H HEADERS AND BEAMS, REFER TO ENGINEERING CALCS.  
 I INDICATES INTERIOR BEARING WALL  
 NOTE: APPLY SHEAR PRIOR TO FRAMING OF PERPENDICULAR WALL AND/OR BOX-OUTS. (WHERE APPLICABLE)

MARK	DESCRIPTION	CEILING JOIST SCHEDULE		
MARK	DESCRIPTION	SIZE	SPACING	SPAN GRADE NO 2
SPN12	16d SOLE PLATE NAILING @ 12" O.C.	2x4	12" O.C.	9'-1"
SPN16	16d SOLE PLATE NAILING @ 16" O.C.	2x4	16" O.C.	8'-4"
SPN8	16d SOLE PLATE NAILING @ 8" O.C.	2x4	12" O.C.	7'-2"
SPN4	16d SOLE PLATE NAILING @ 4" O.C.	2x4	12" O.C.	14'-6"
SPN3	16d SOLE PLATE NAILING @ 3" O.C.	2x4	12" O.C.	11'-6"
SPN2	16d SOLE PLATE NAILING @ 2" O.C.	2x4	12" O.C.	20'-4"
SCR1	1/4" x 4 1/2" SDS SCREWS @ 3" O.C.	2x4	12" O.C.	18'-3"
				16'-1"

- AT GABLE END WALLS IF PLY SHEAR IS RUN UP TO AND NAILED TO BOT. CHORD OF TRUSS -OK TO OMIT A35'S AND PLATE SPICE NAILING
- AT EXT WALLS IF PLY SHEAR IS RUN UP TO AND NAILED TO T.S.R. -OK TO OMIT A35'S AND PLATE SPICE NAILING AND 2ND FLOOR SPECIAL SILL PLATE NAILING, BUT ADD ST6224 AT EACH RIM SPLICE.

REVISIONS
6-2-17 BDC

ESIFME INC.  
 STRUCTURAL ENGINEERS  
 1800 E. 16TH ST. STE. B  
 SANTA ANA, CA 92701  
 PHONE: 714-895-2800  
 FAX: 714-895-2819  
 REG. NO. 05-023207

## ROOF FRAMING PLAN

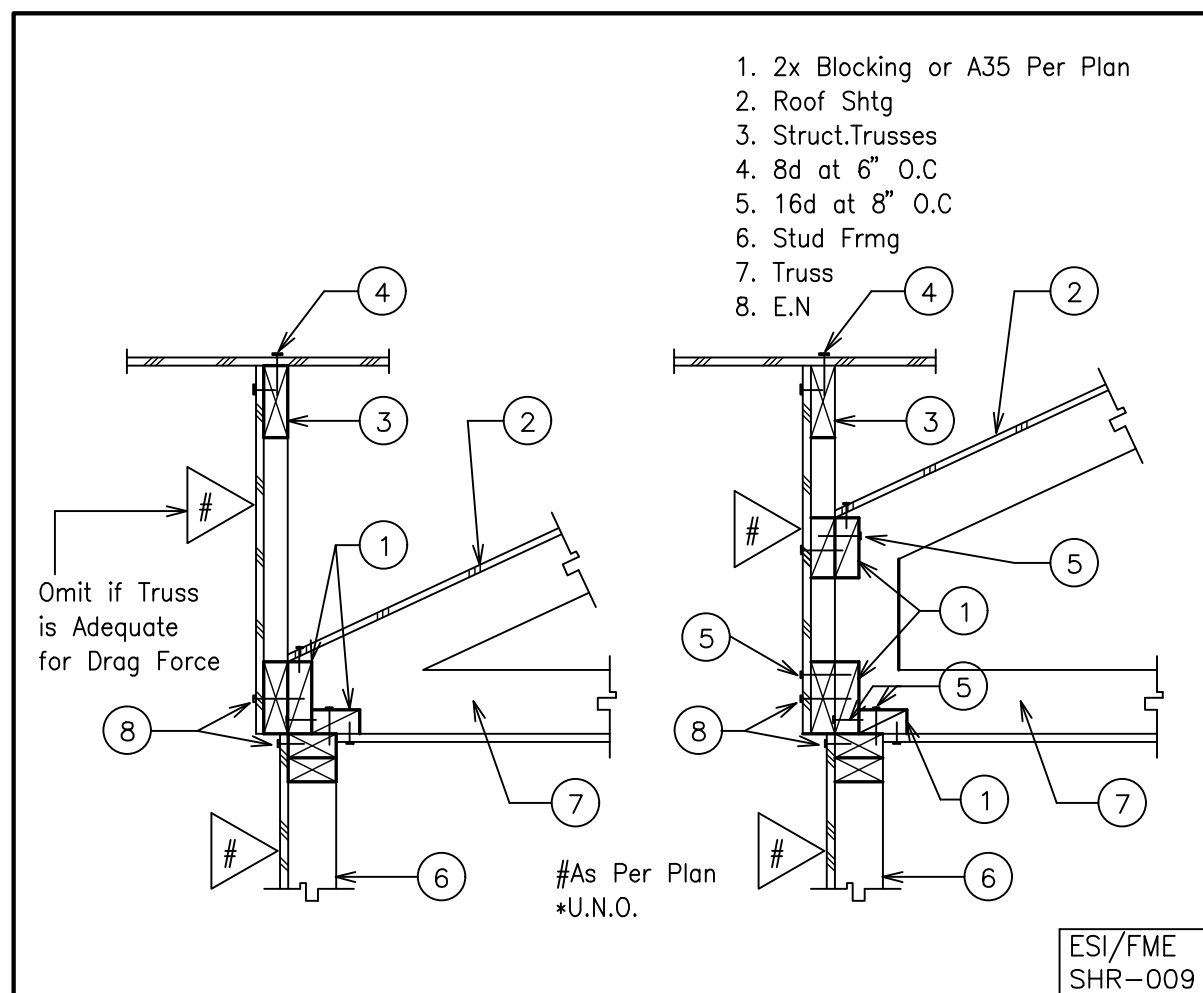
HIGHLAND ESTATES  
 LOT 6: 2135 TICONDEROGA DR.  
 SAN MATEO, CA  
 THE CHAMERLAIN GROUP



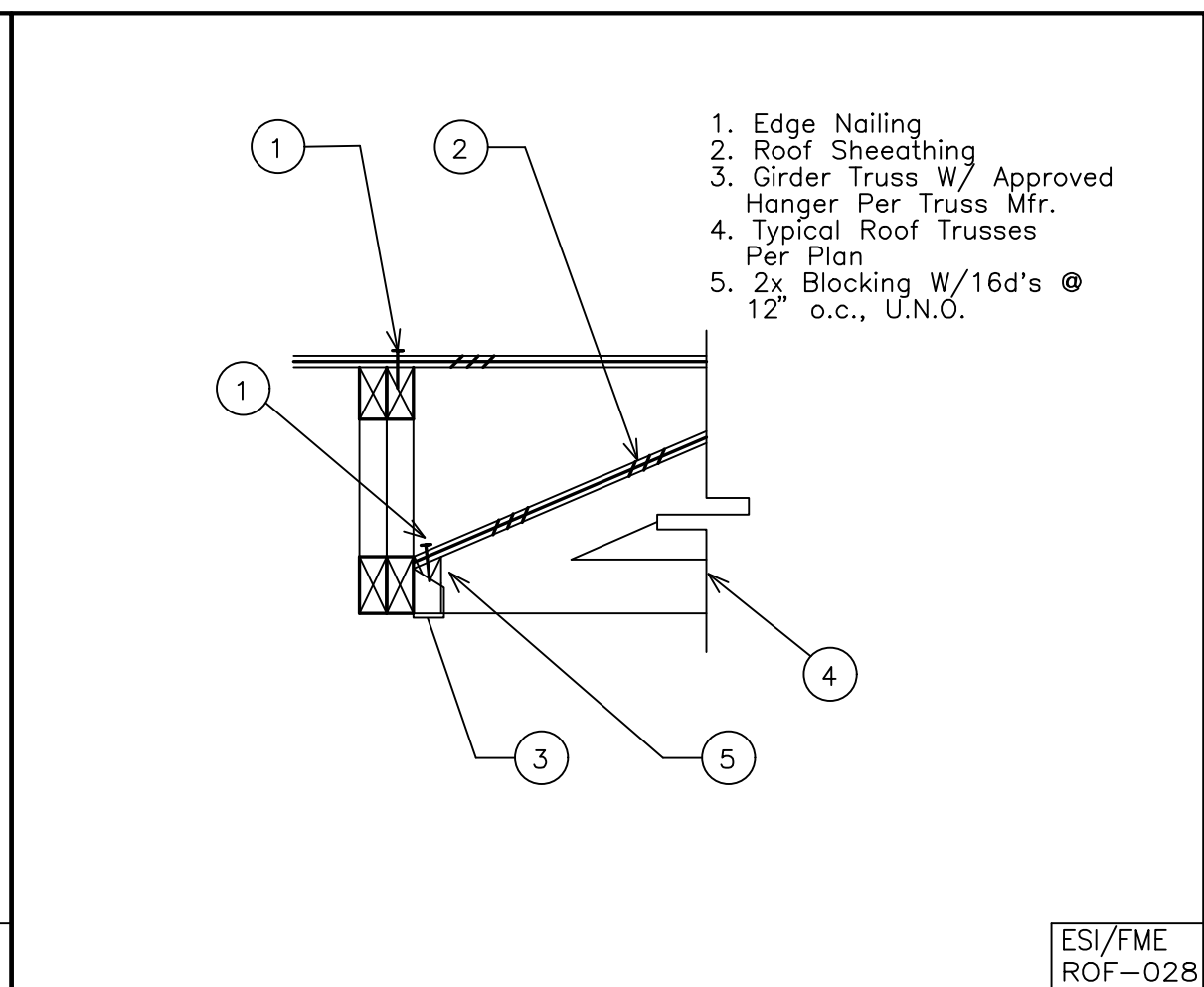
DRAWN
CHECKED
PLOT DATE 05/23/2017
JOB NO. E776
SHEET
<b>S6-3</b>
SHEET: 4 OF: 6

## ROOF FRAMING PLAN 6A

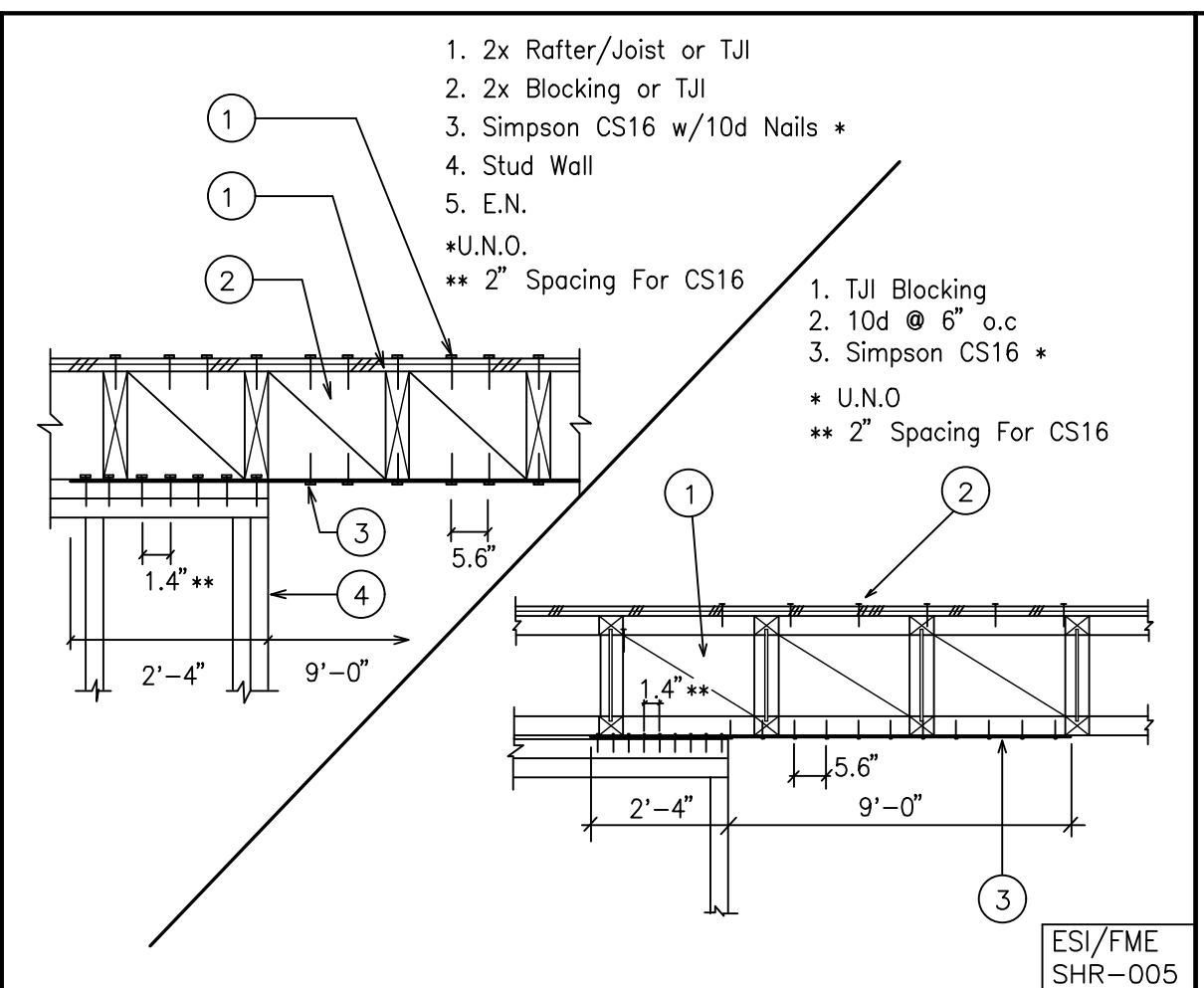
SCALE : 1/4" = 1'-0"



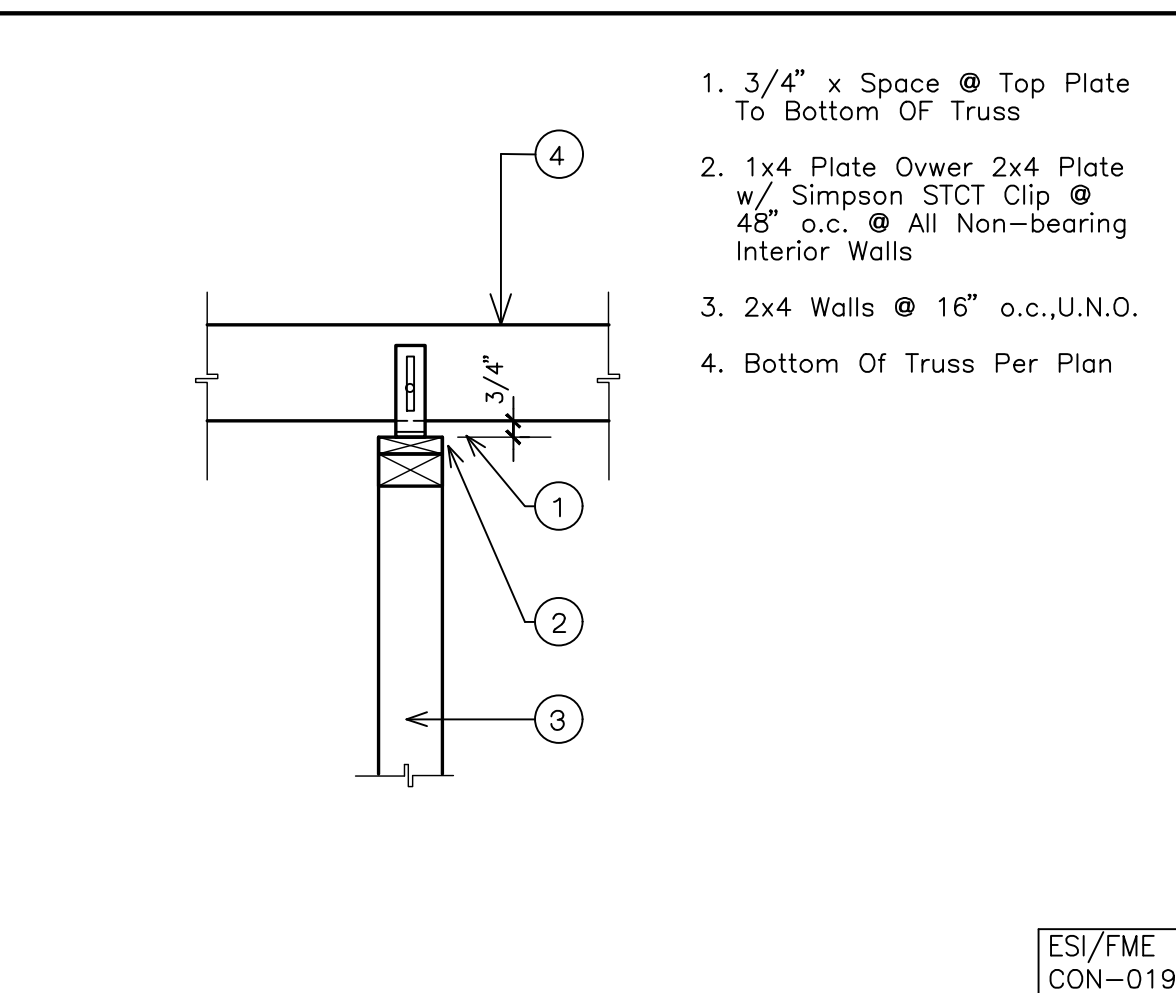
**17 SHEAR TRANSFER**



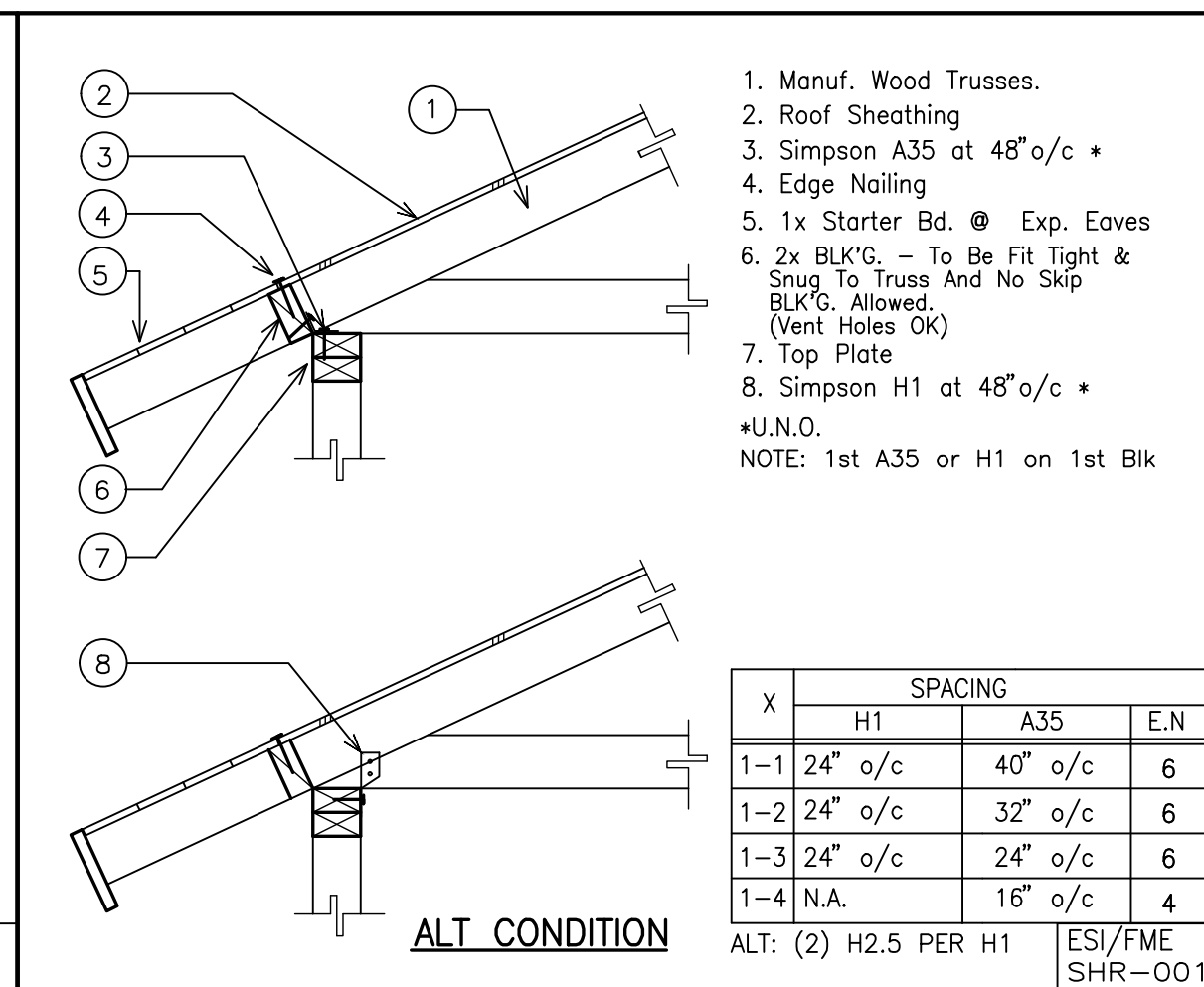
**13 ROOF CONNECTION**



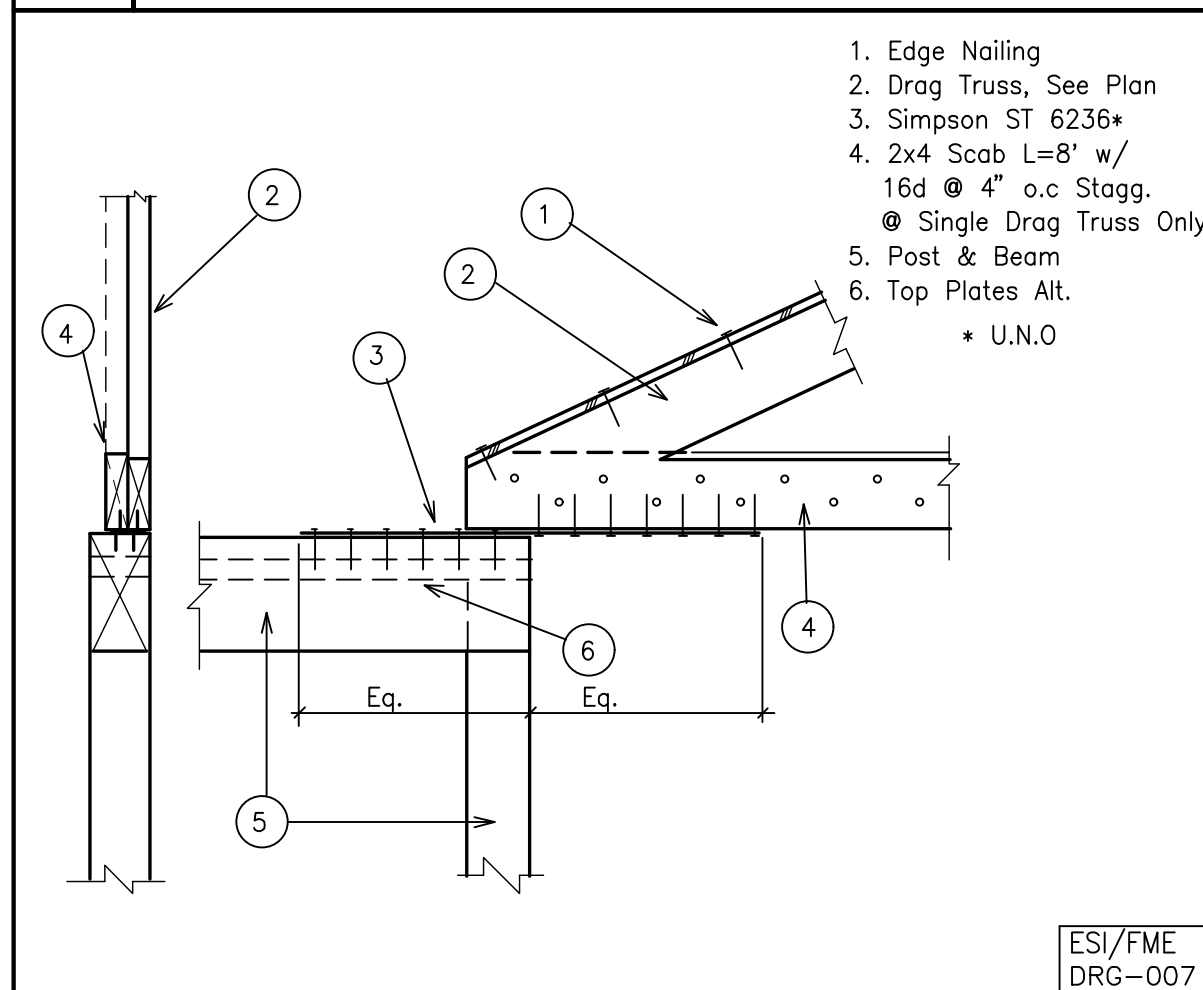
**9 PERPENDICULAR DRAG STRUT**



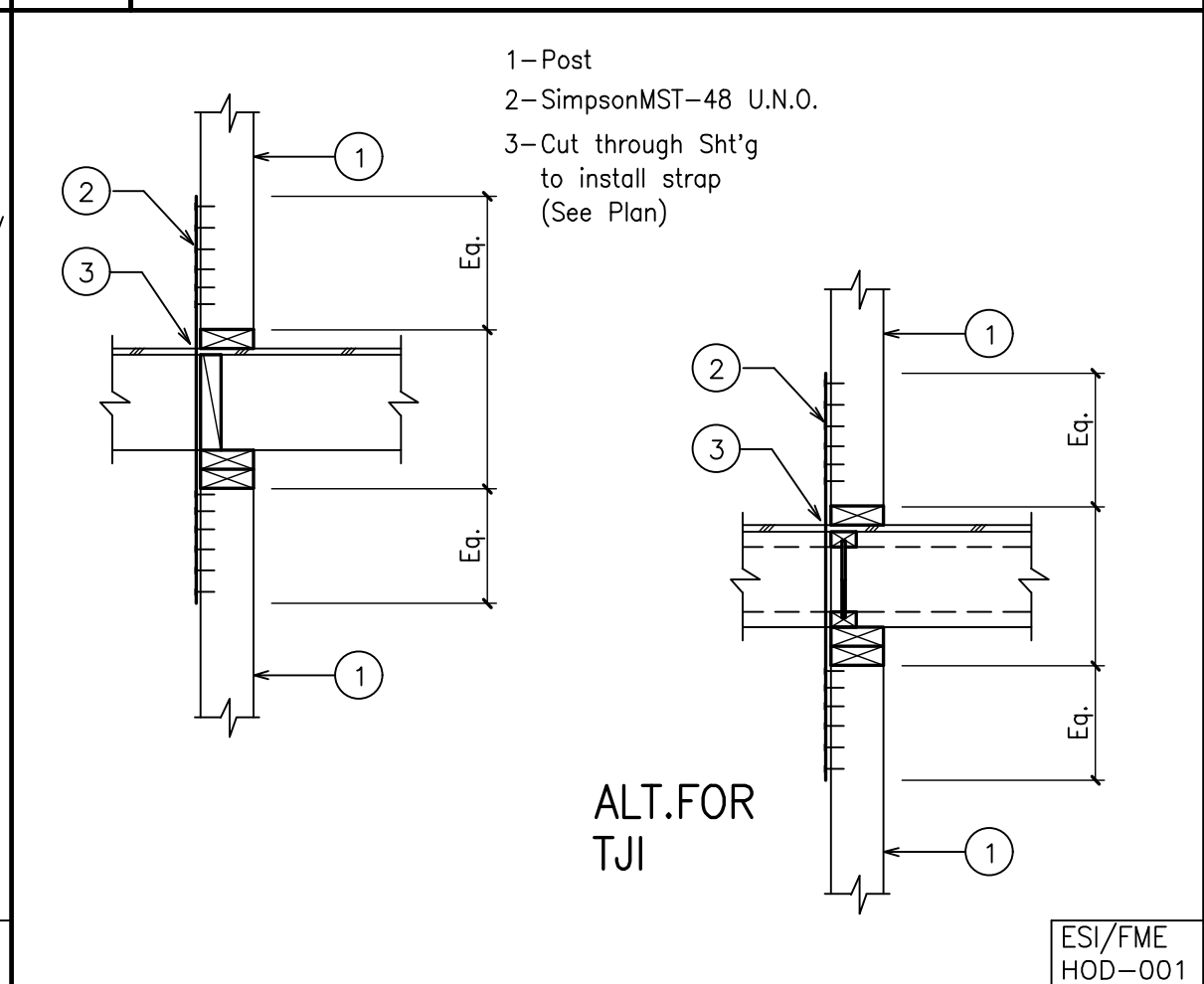
**5 NON-BEARING WALL CONNECTION**



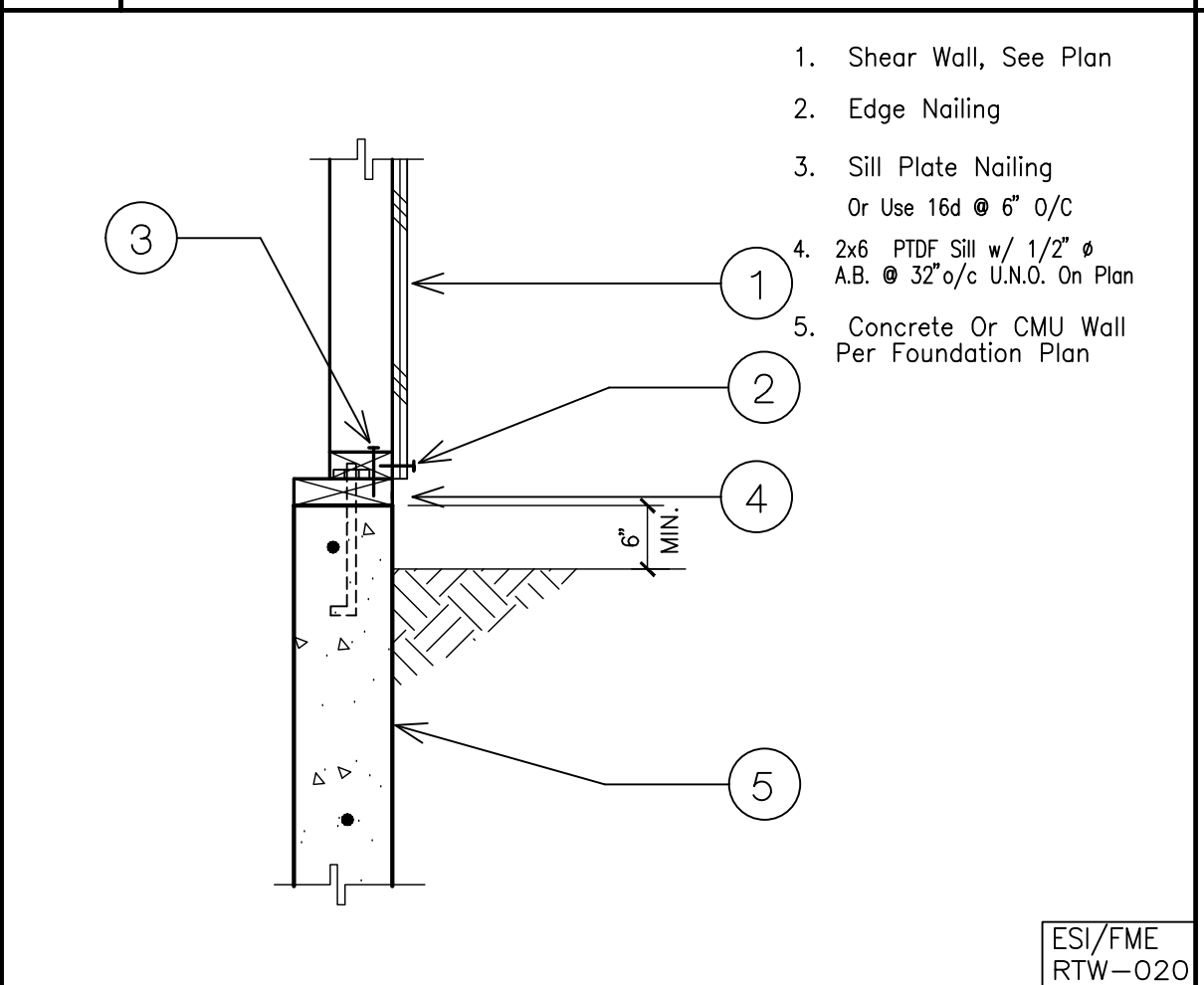
**1 EAVE TRUSS SHEAR CONNECTION**



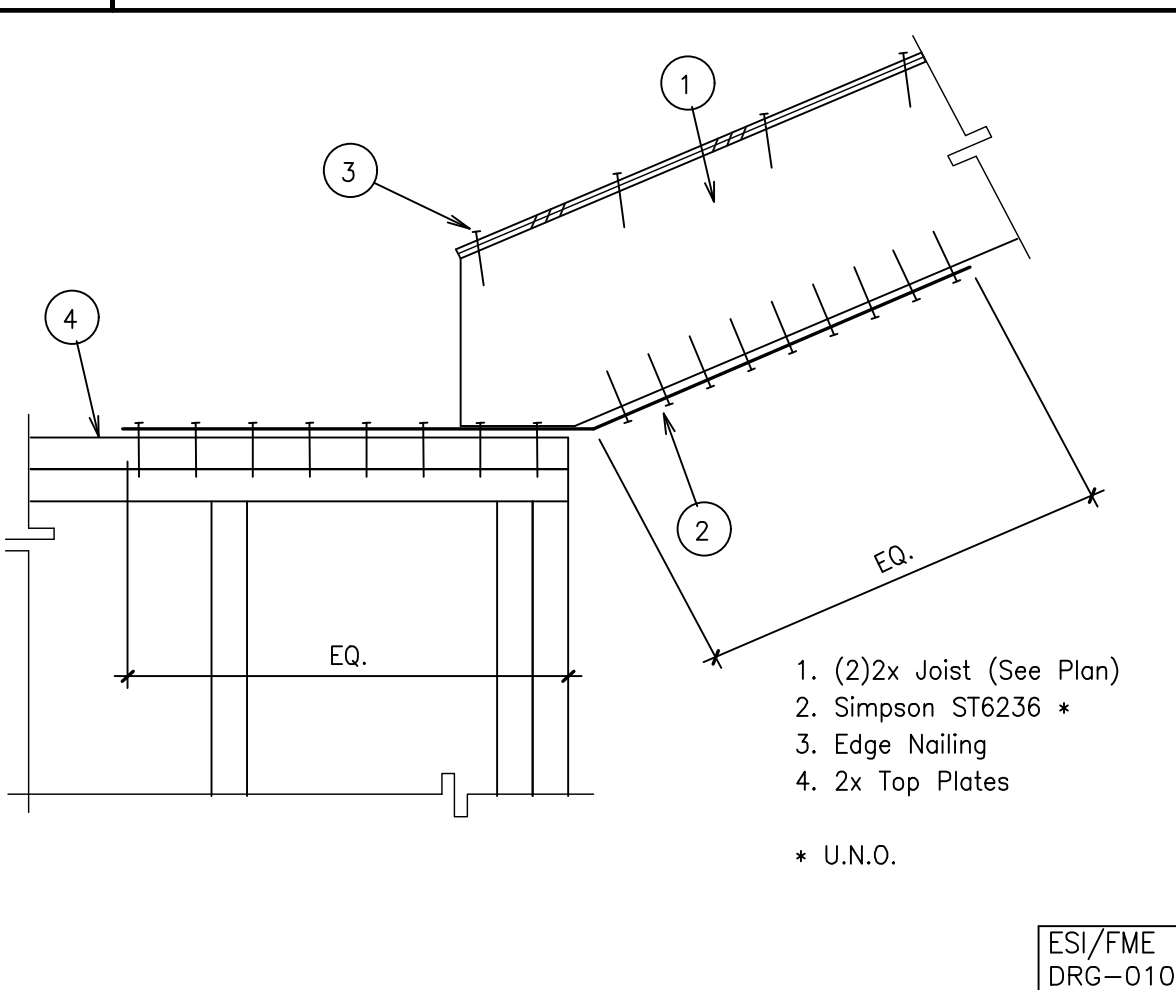
**18 DRAG TIE TO TRUSS**



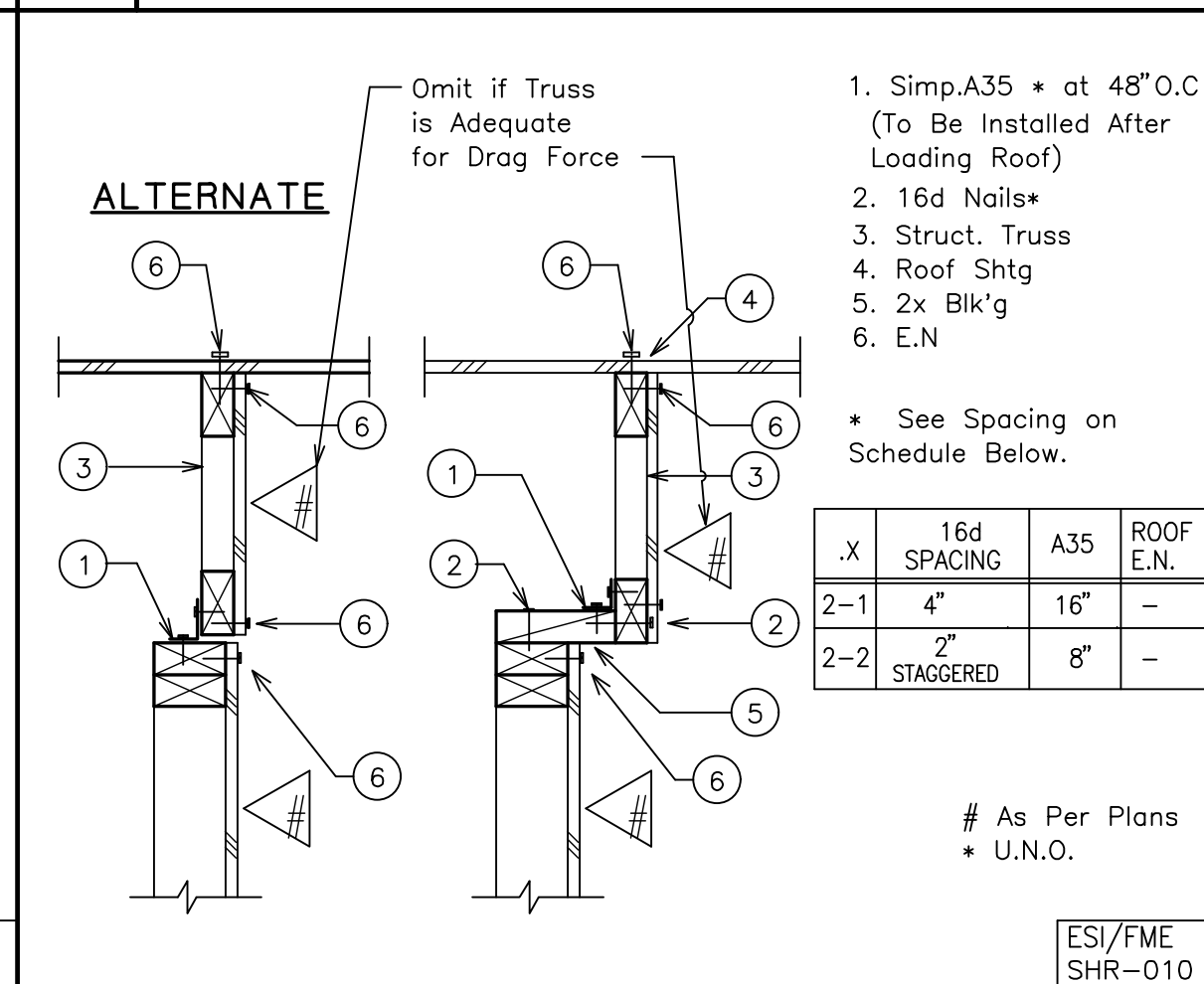
**14 POST TO POST HOLDOWN**



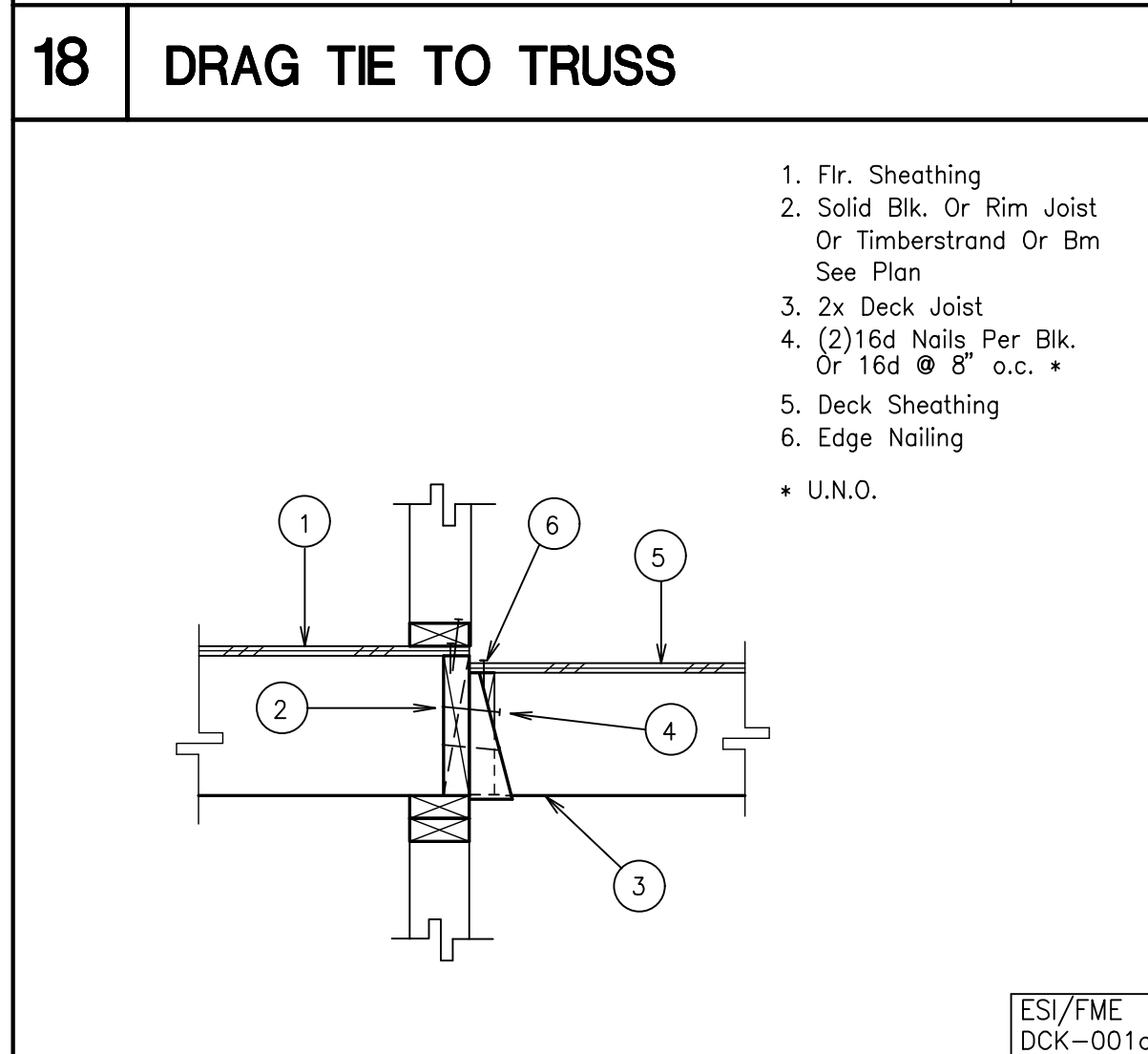
**10 WALL @ CONG OR CMU WALL**



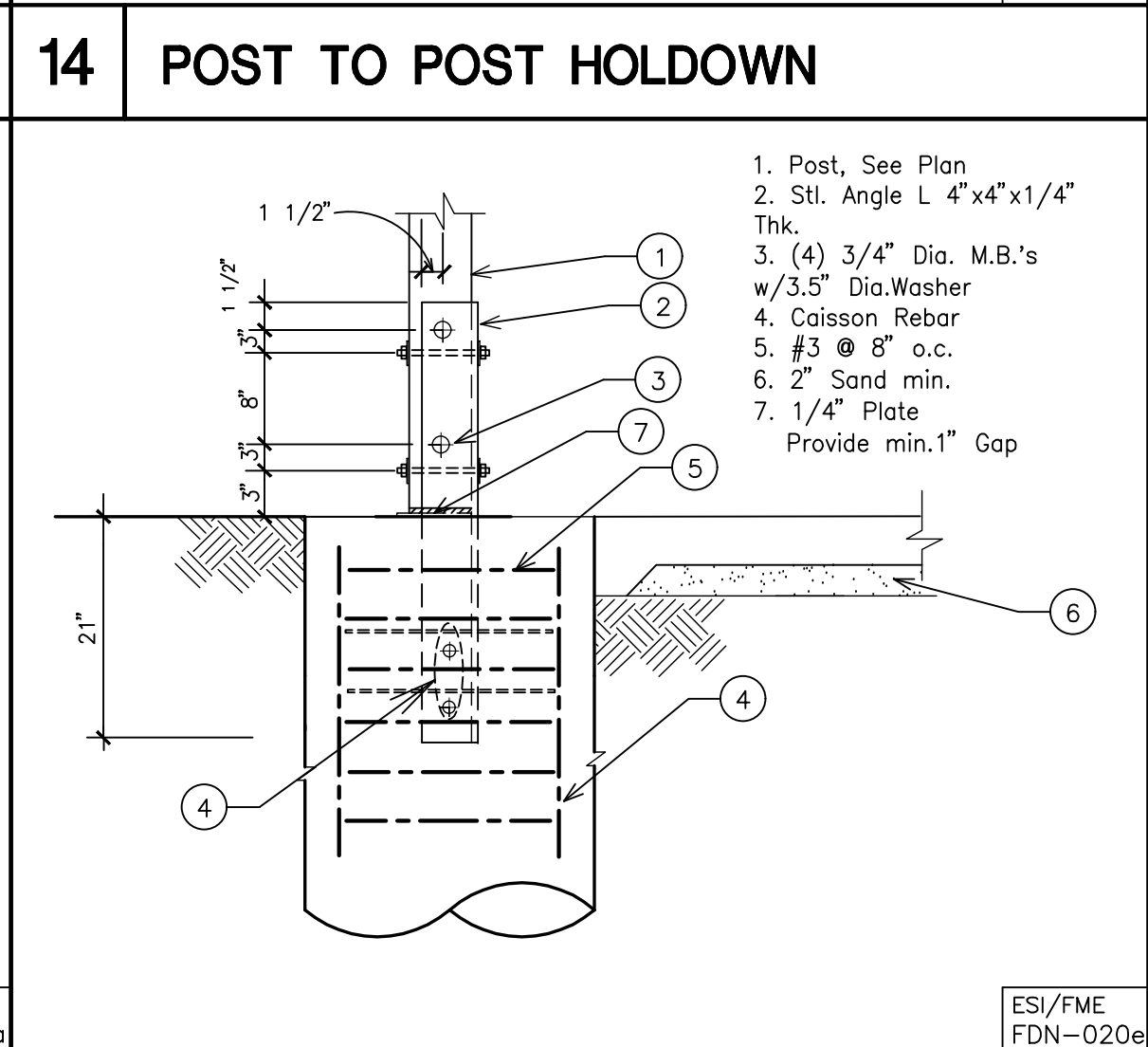
**6 DRAG CONNECTION**



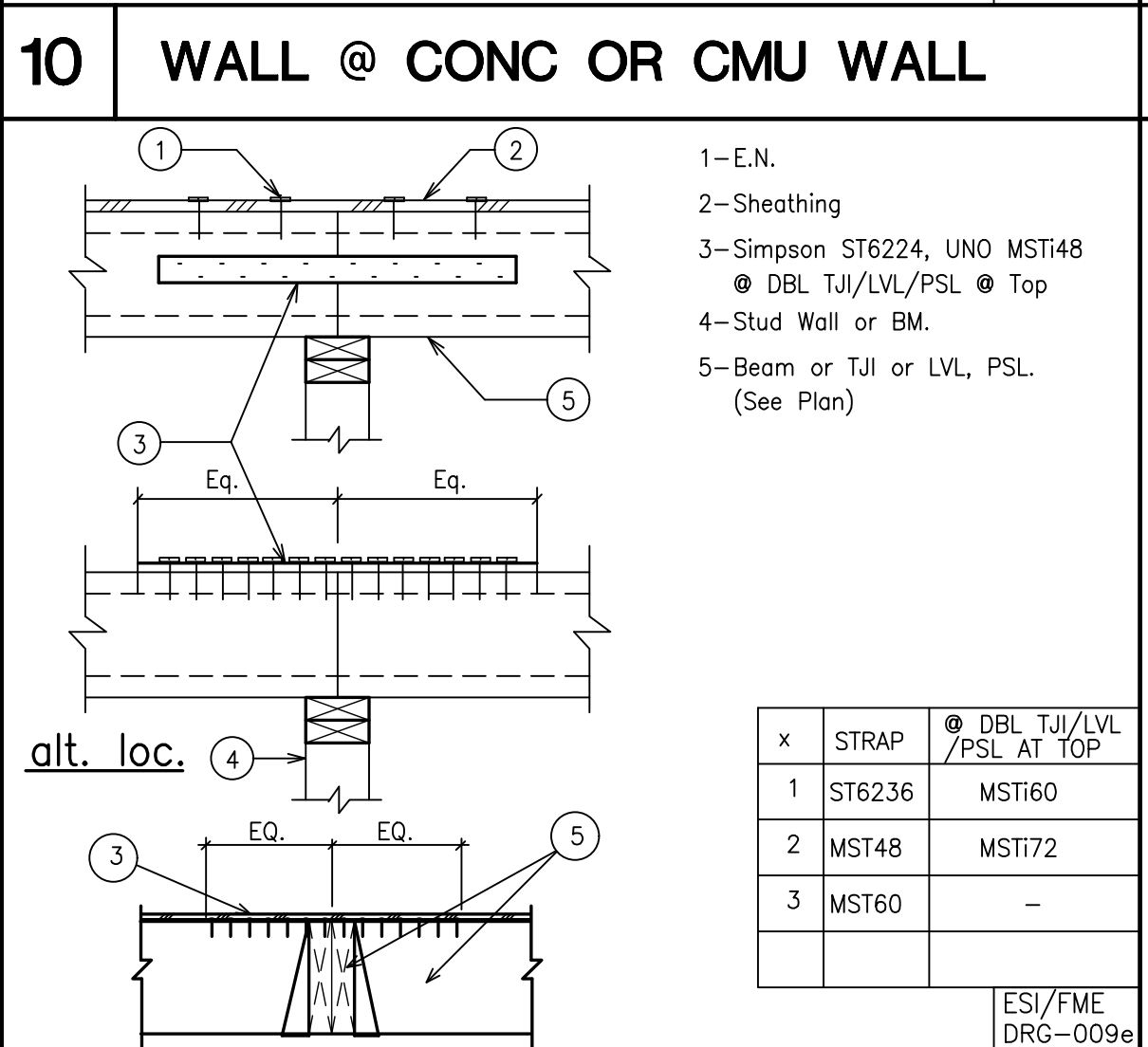
**2 DRAG TRUSS SHEAR TRANSFER**



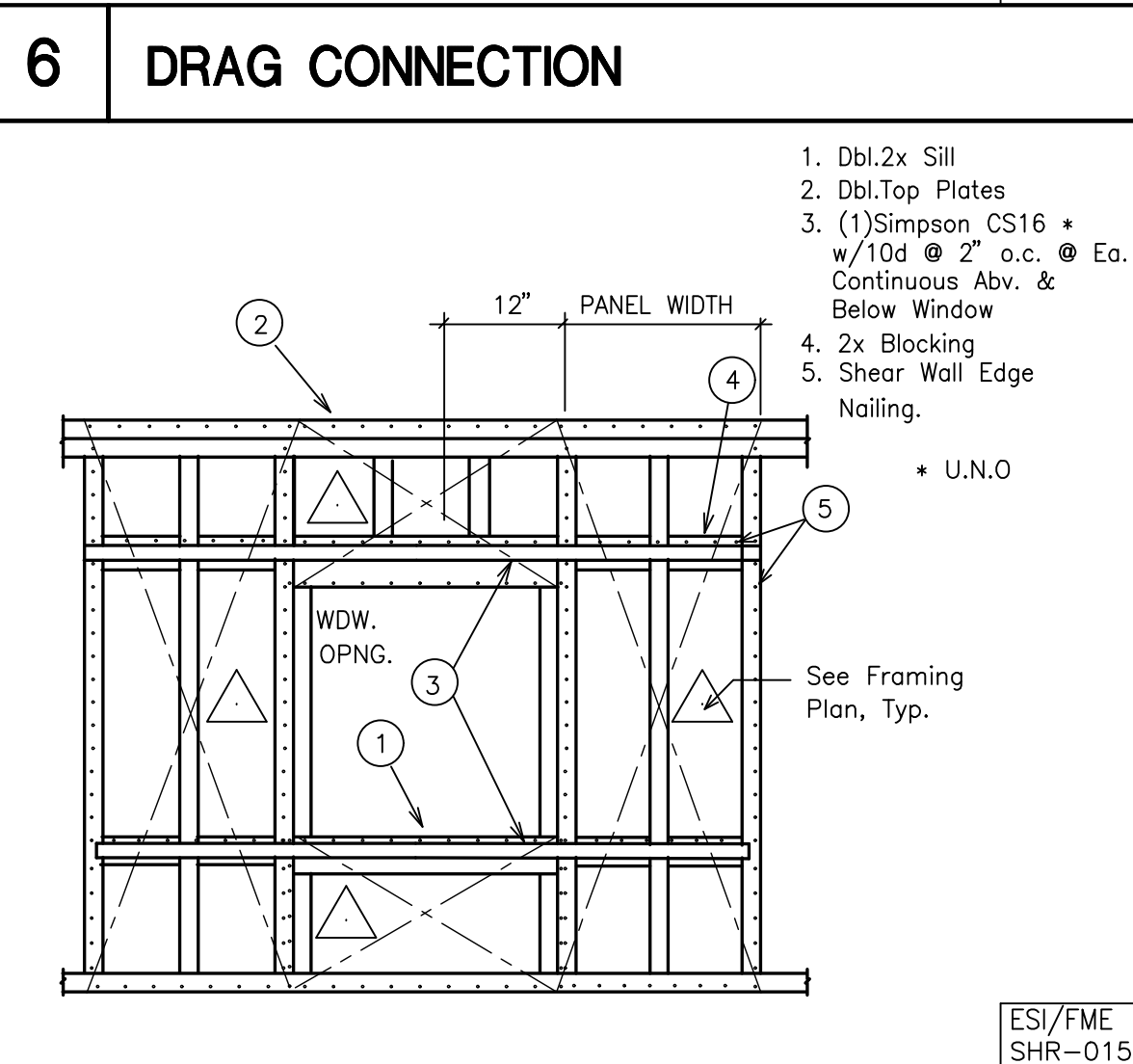
**19 DECK JOIST CONNECTION**



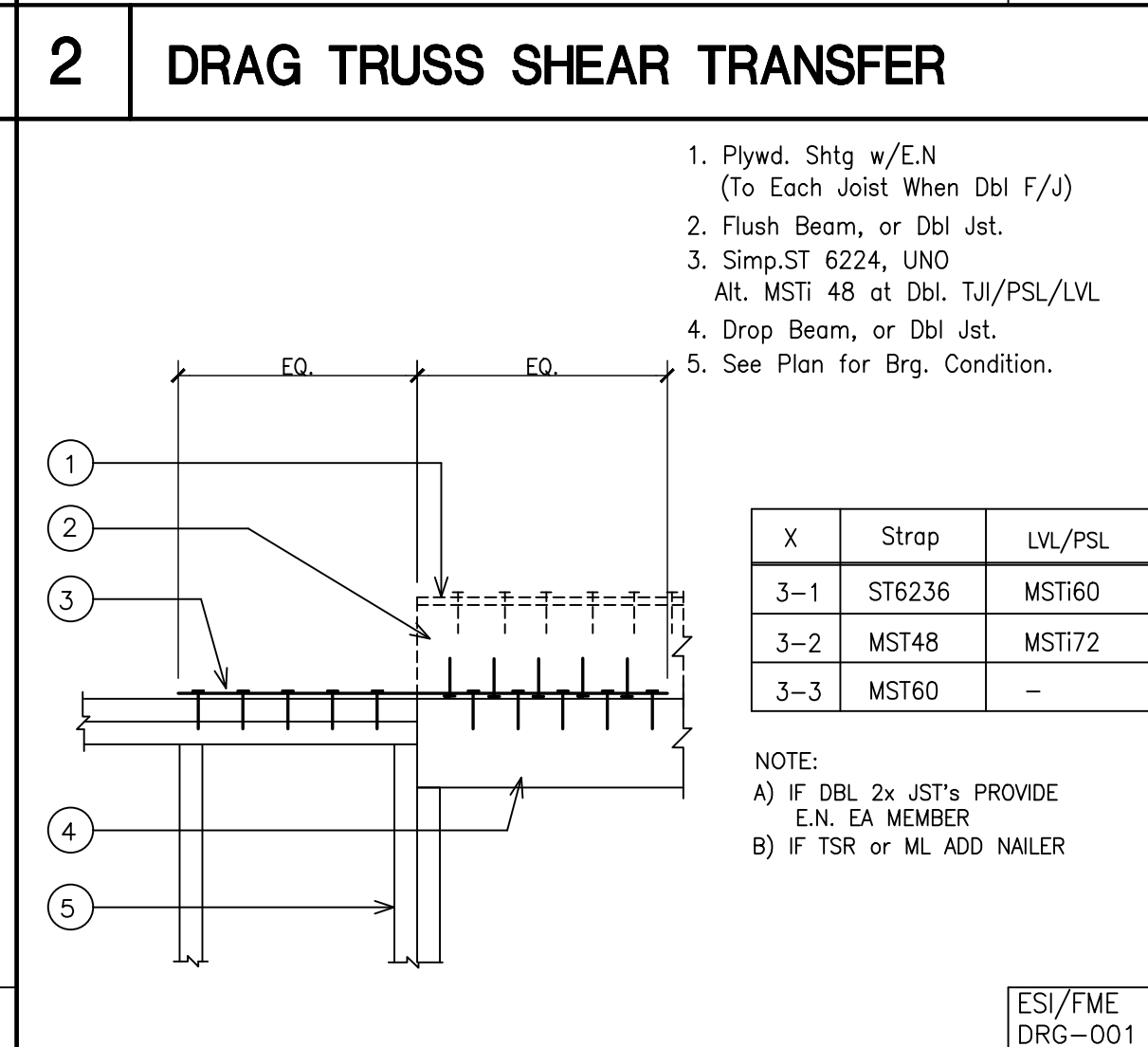
**15 PAD DETAIL**



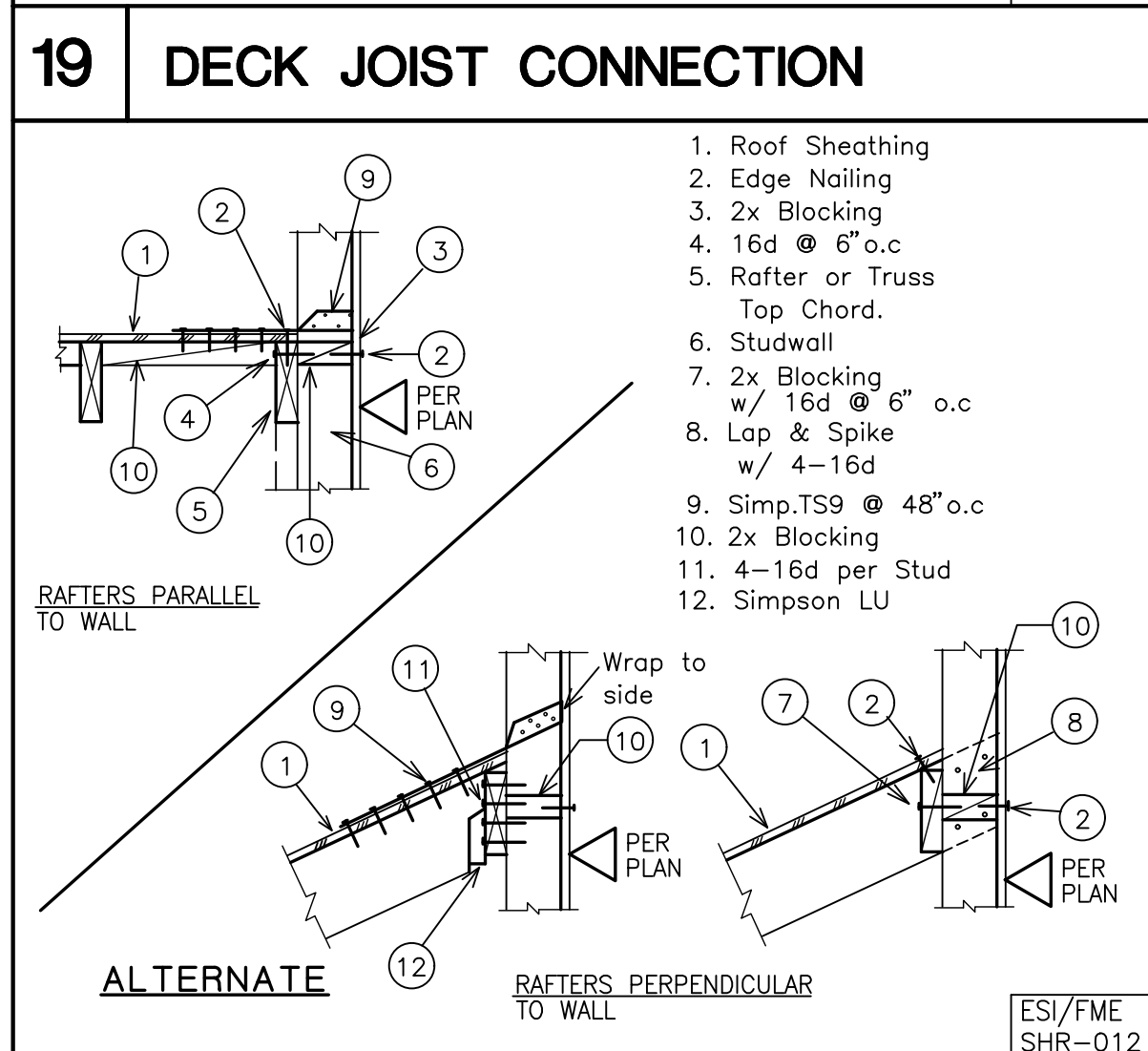
**11 JOIST DRAG STRUT**



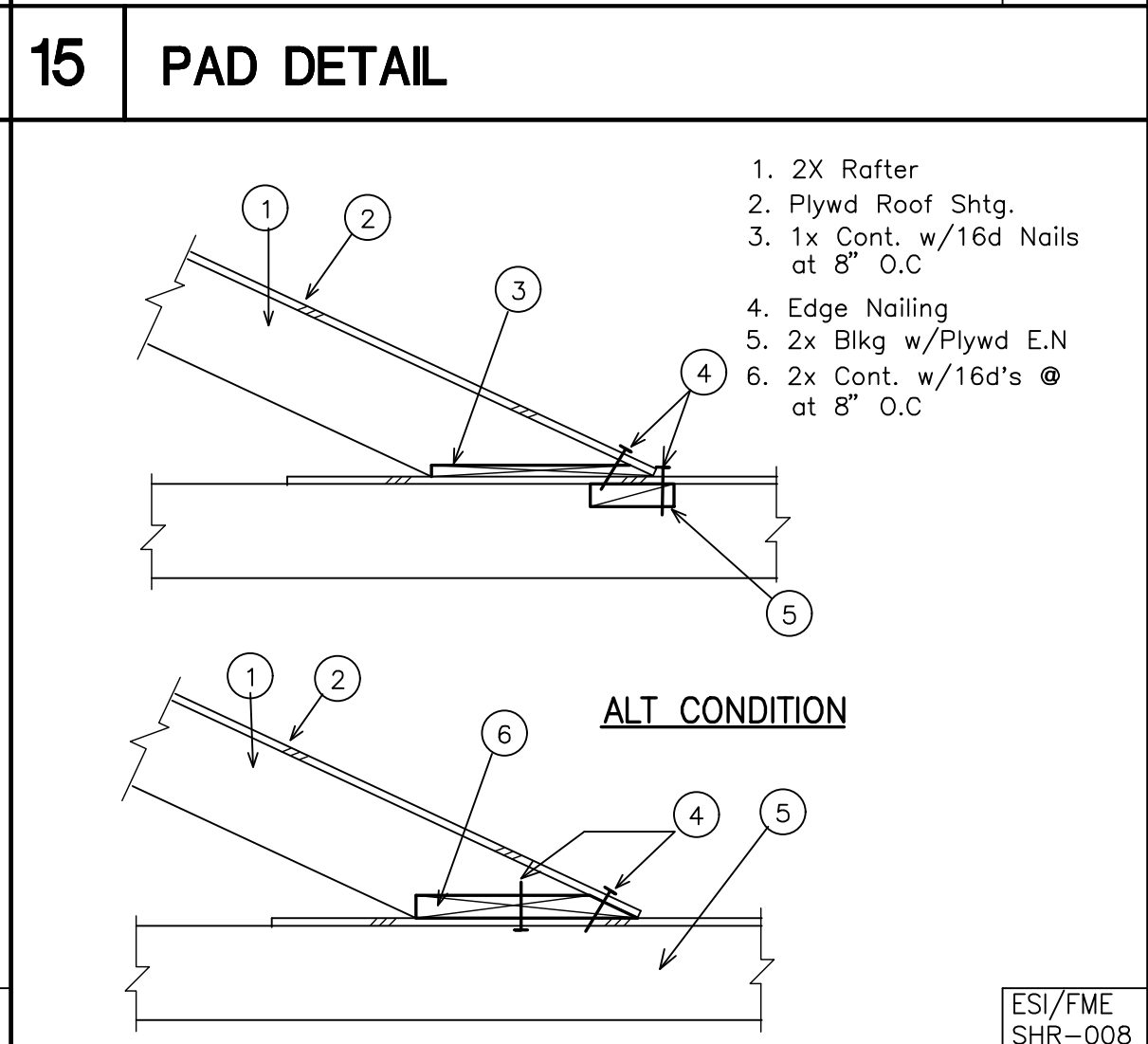
**7 SPECIAL SHEAR AT WINDOW OPENING**



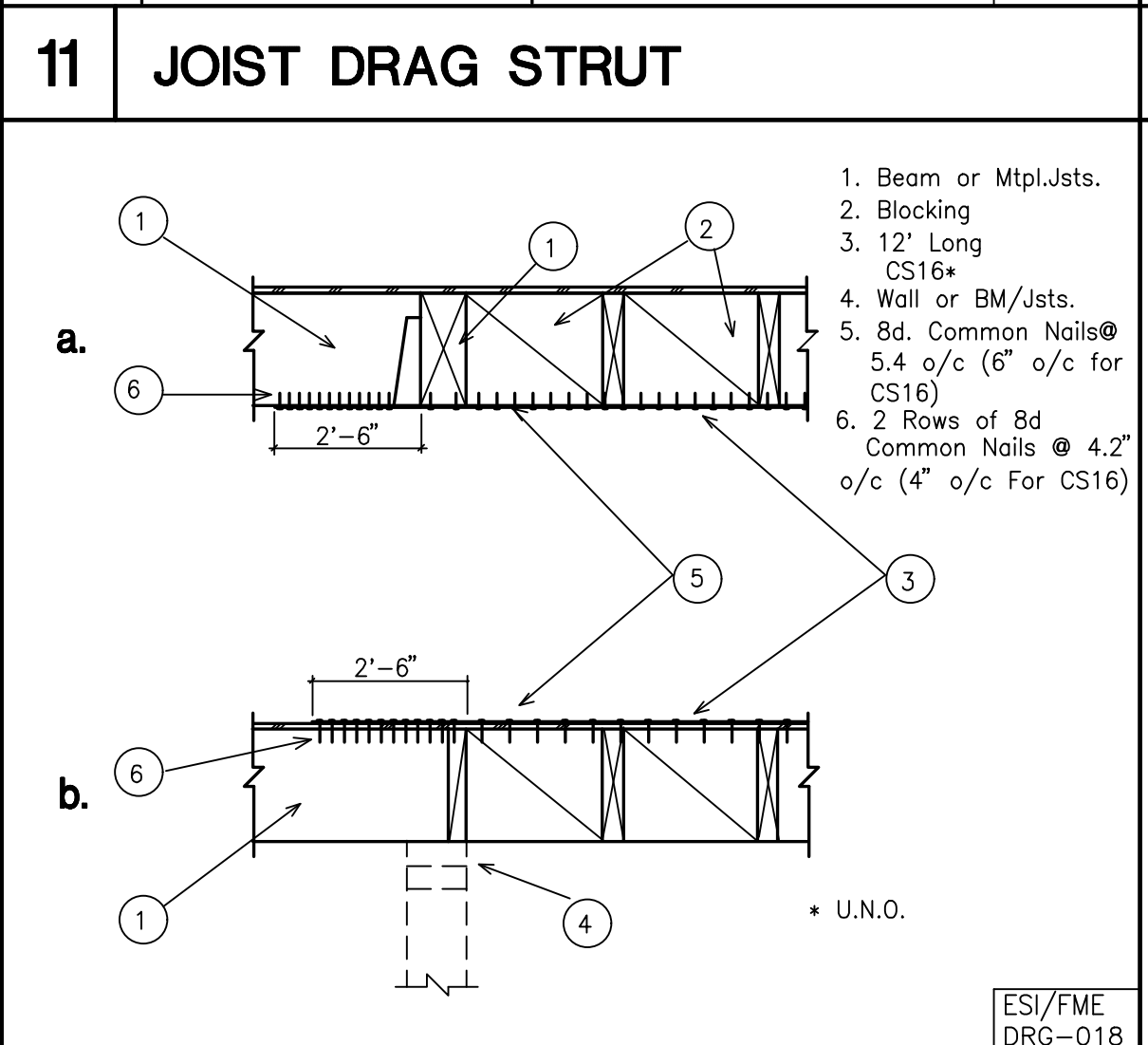
**3 DRAG DETAIL**



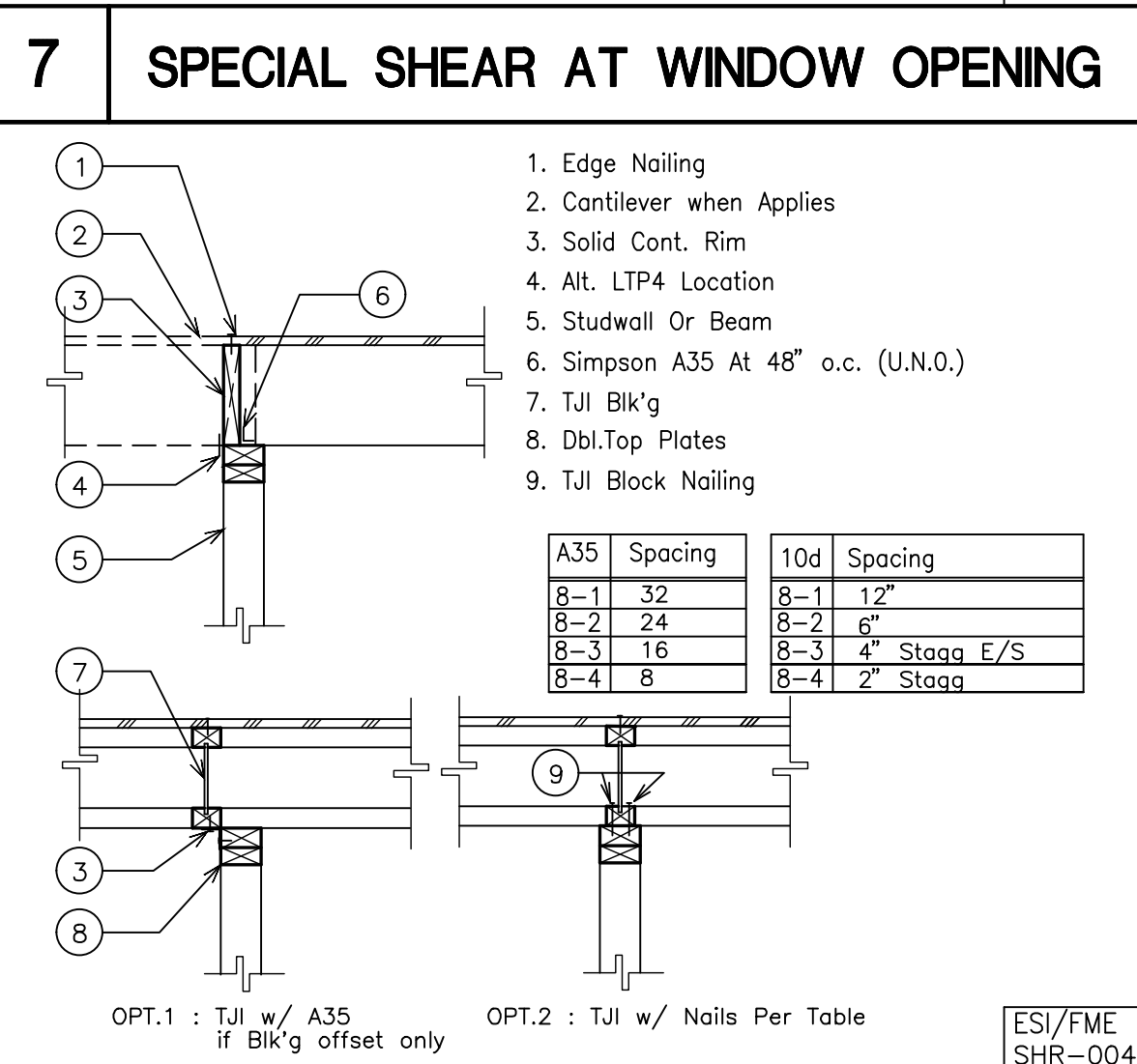
**20 ROOF TO WALL SHEAR TRANSFER**



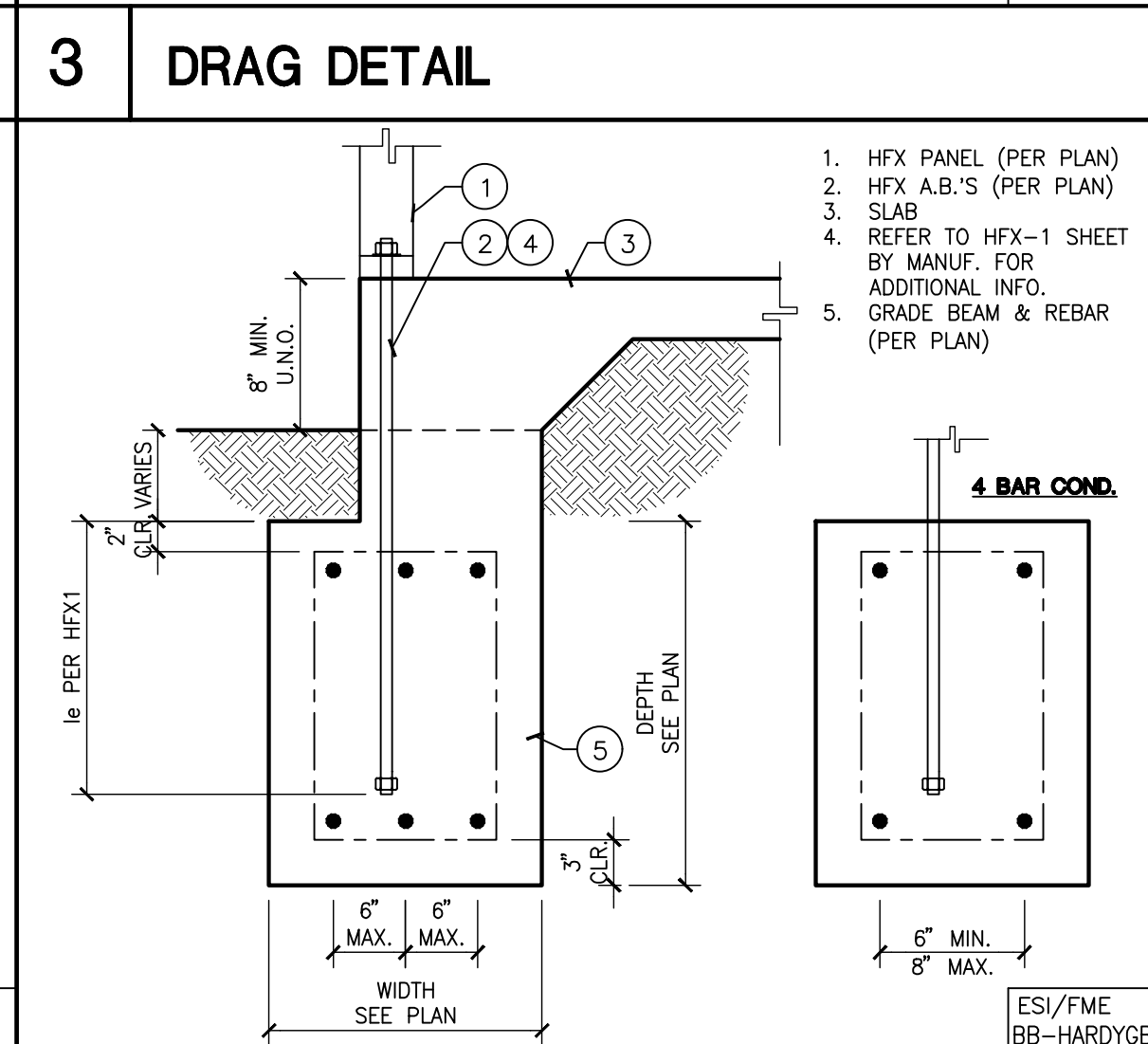
**16 SHEAR TRANSFER**



**12 INTERRUPTED DRAGS**



**8 JOIST SHEAR CONNECTION**



**4 EXTERIOR GRADE BEAM FOR HFX**

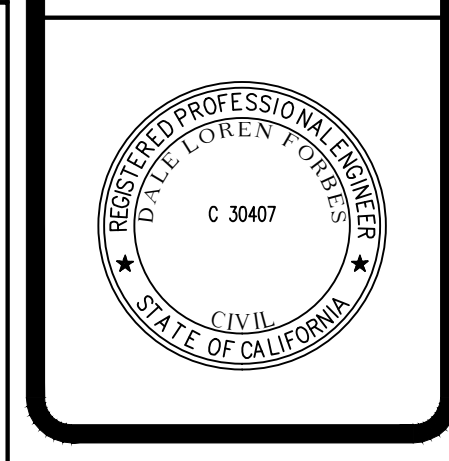
REVISIONS

6-2-17	ES
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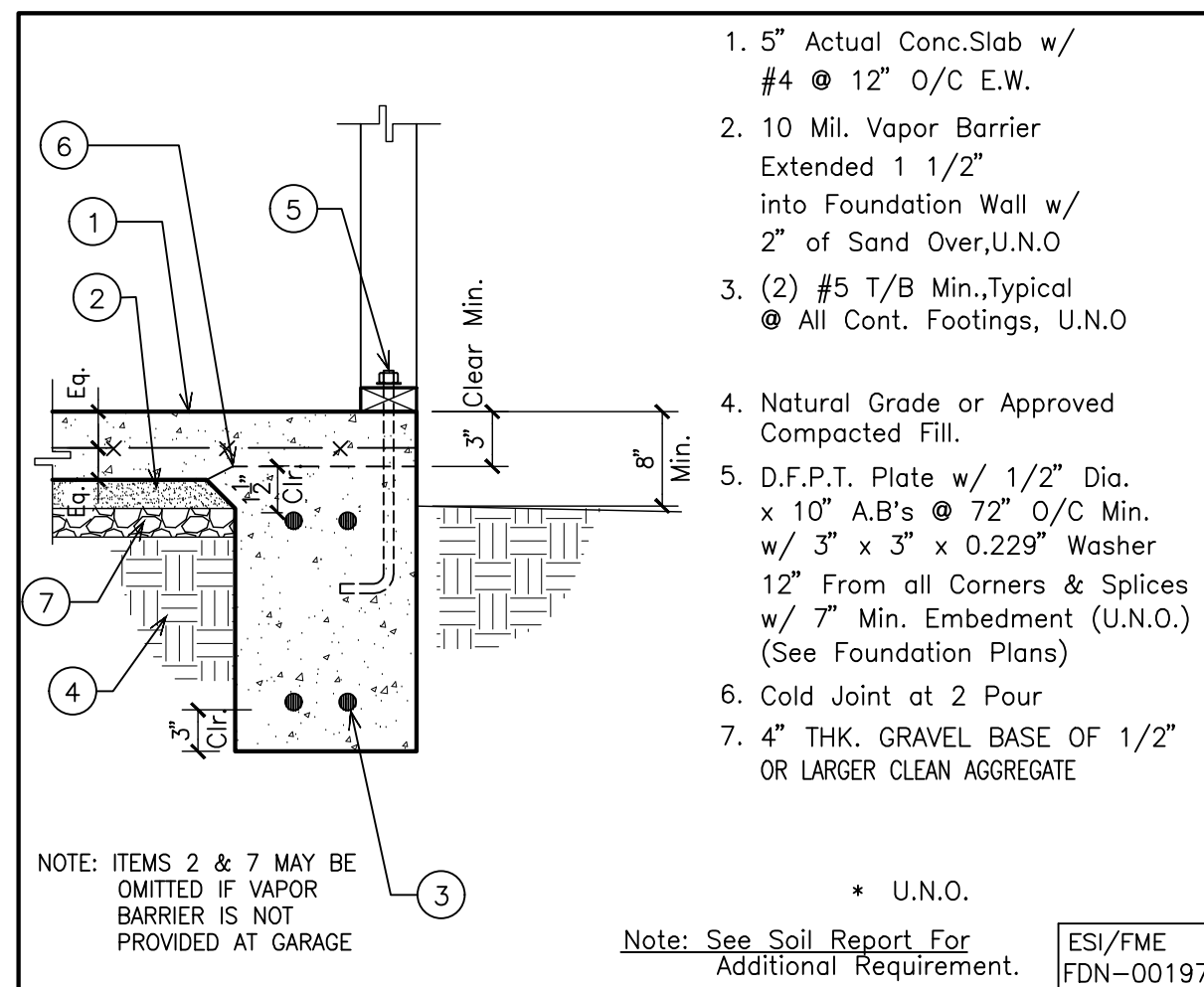
ES/FME INC.  
STRUCTURAL ENGINEERS  
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SANTA ANA, CA 92701  
PHONE: 714-855-2800  
FAX: 714-855-2819  
EX-1276 05/23/2017

**STRUCTURAL  
DETAILS**

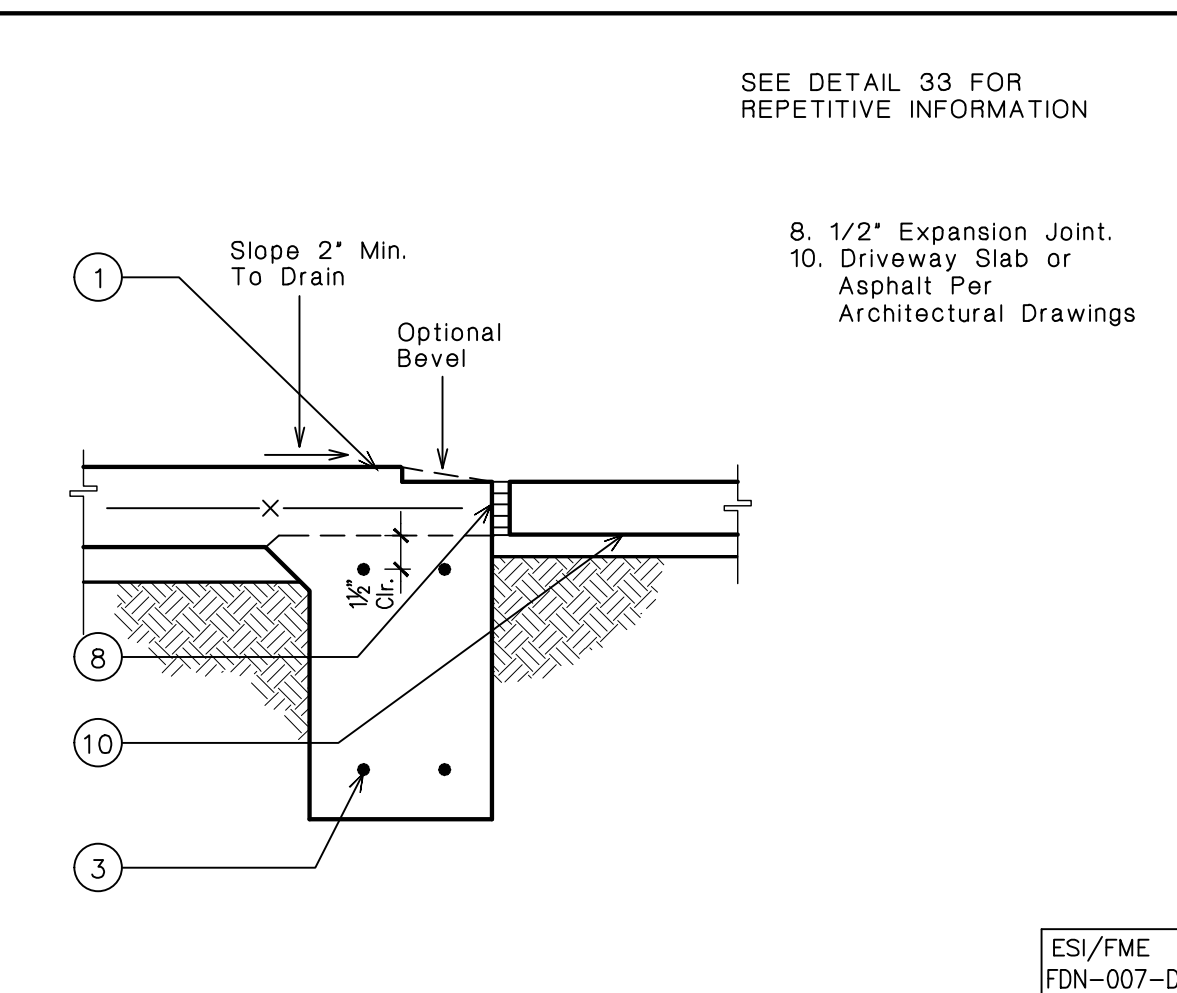
HIGHLAND ESTATES  
LOT 6: 2135 TICONDEROGA DR.  
SAN MATEO, CA  
THE CHAMERLAIN GROUP



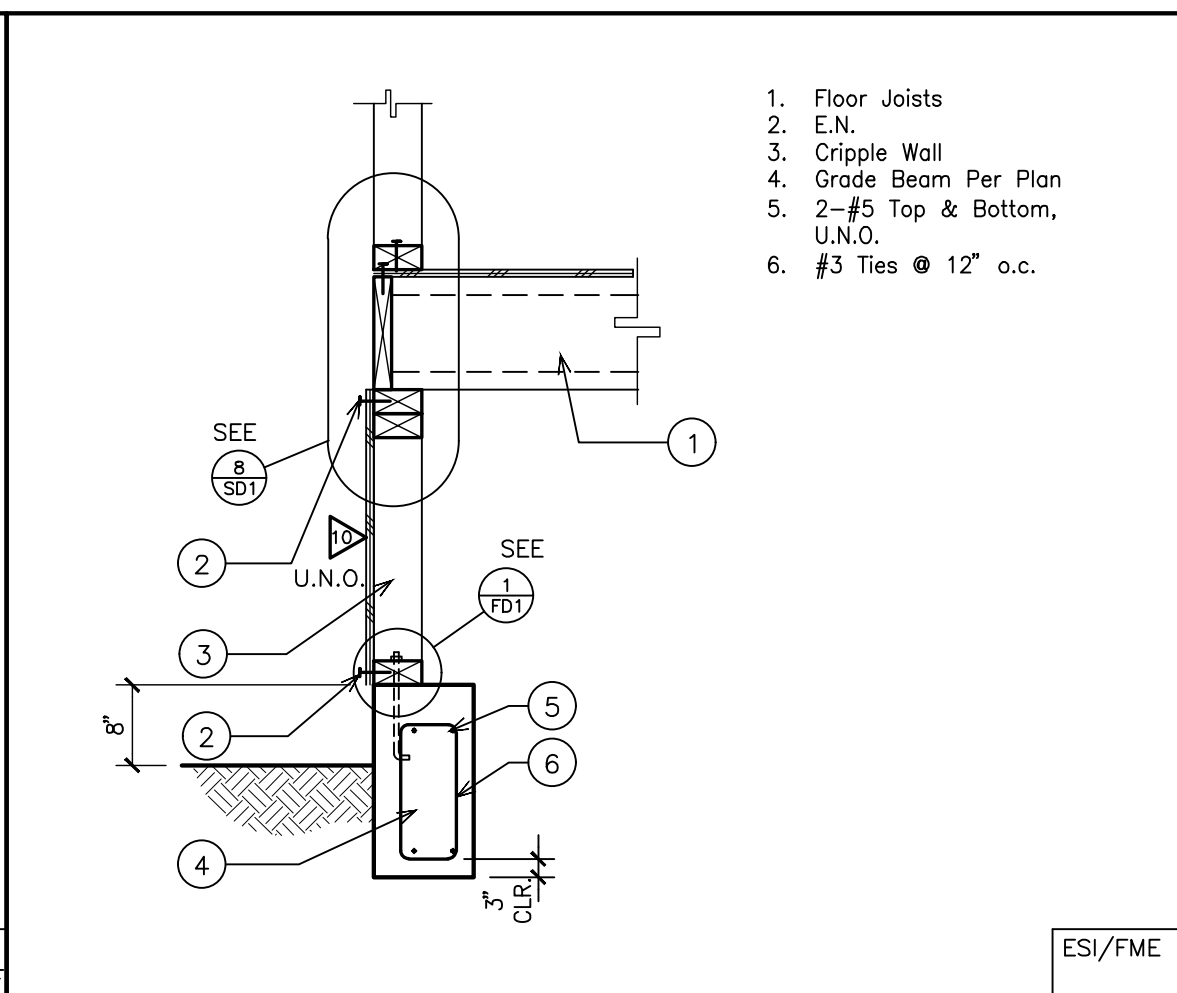
DRAWN -  
CHECKED -  
PLOT DATE  
05/23/2017  
JOB NO.  
E776  
SHEET



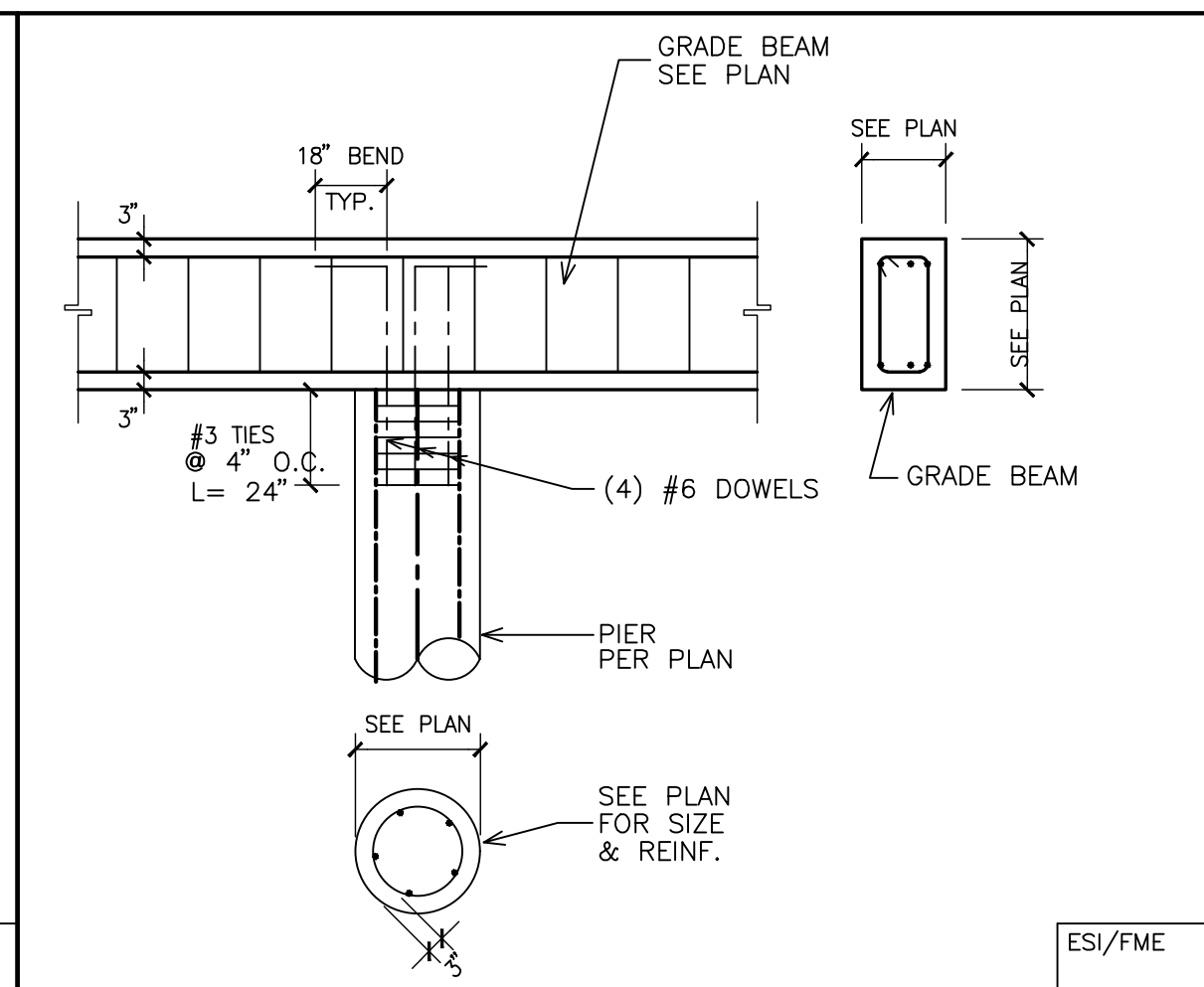
**33 EXTERIOR FOOTING**



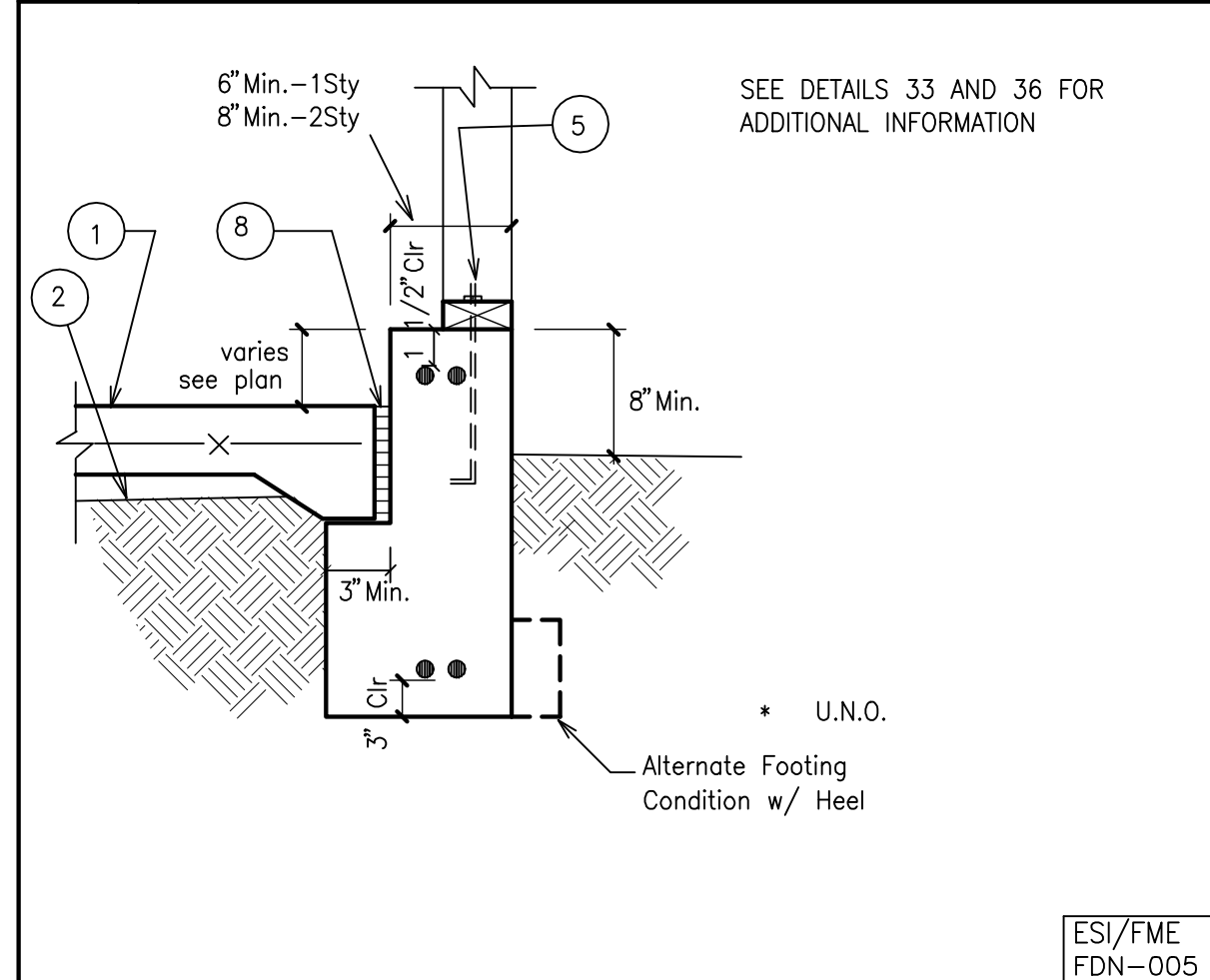
**29 SLAB EDGE AT GARAGE**



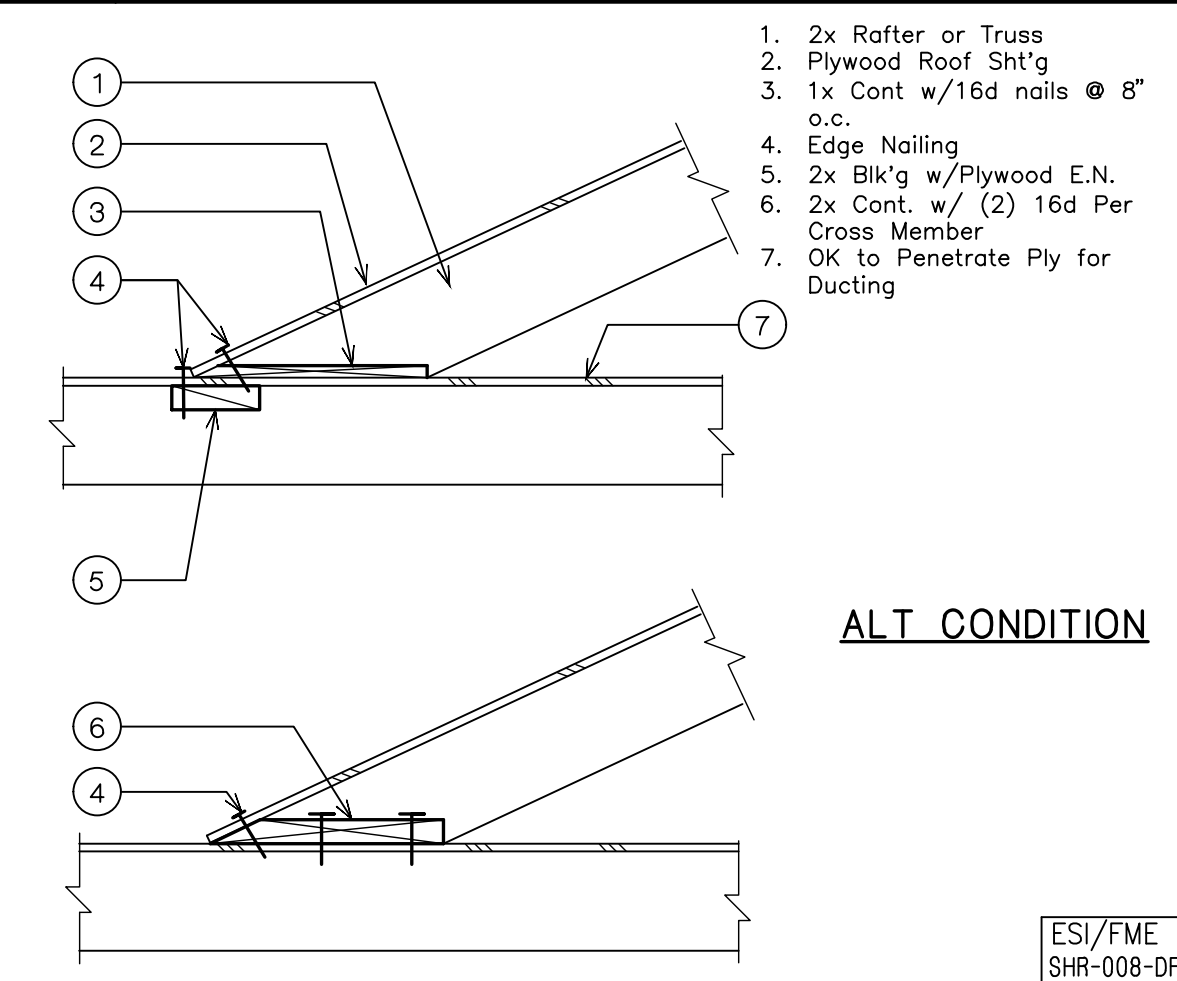
**25 GRADE BEAM**



**21 CAISSON / G.B. CONN.**



**34 EXTERIOR GARAGE FOOTING**

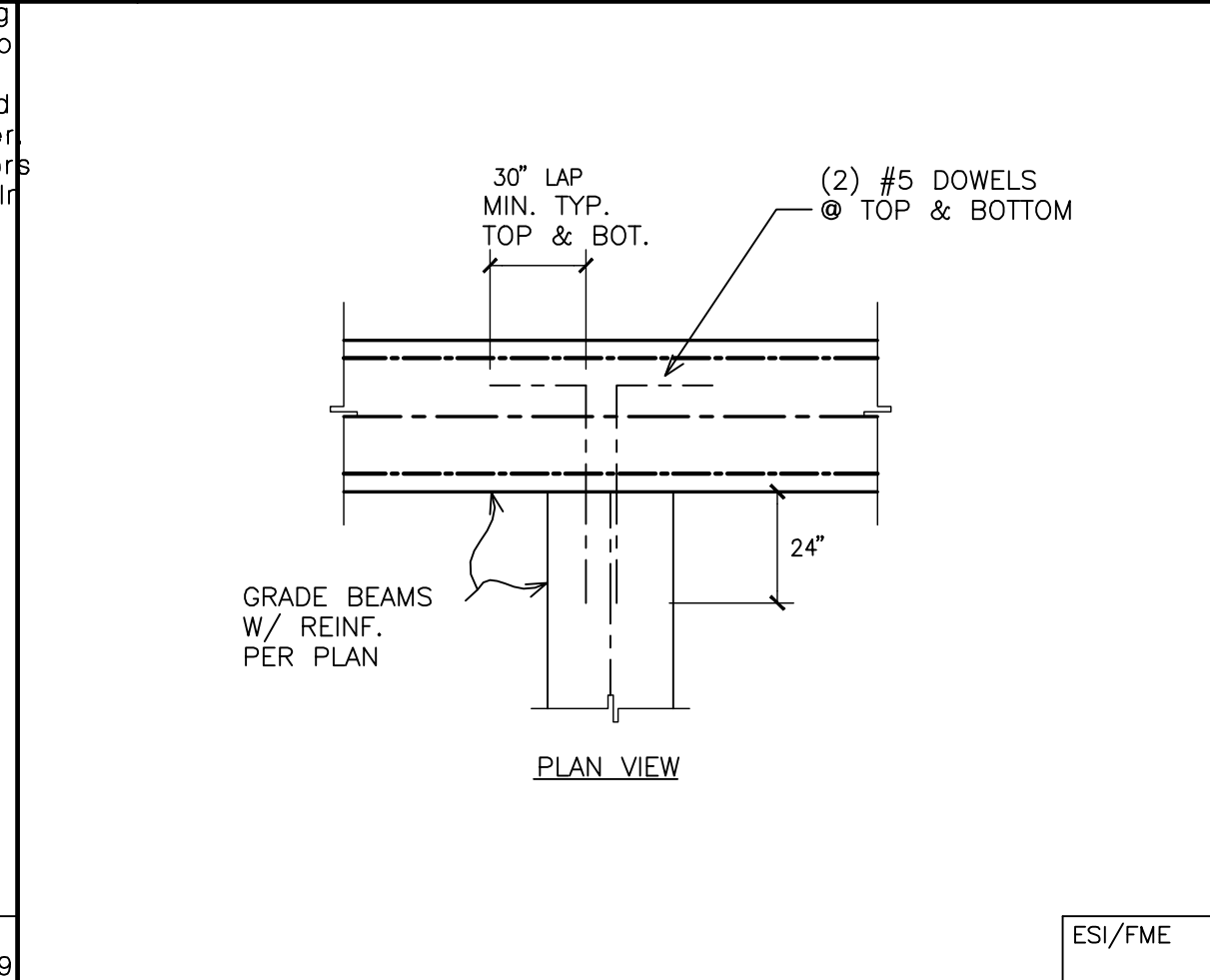


**30 SHEAR TRANSFER @ CALIF FRAMING**

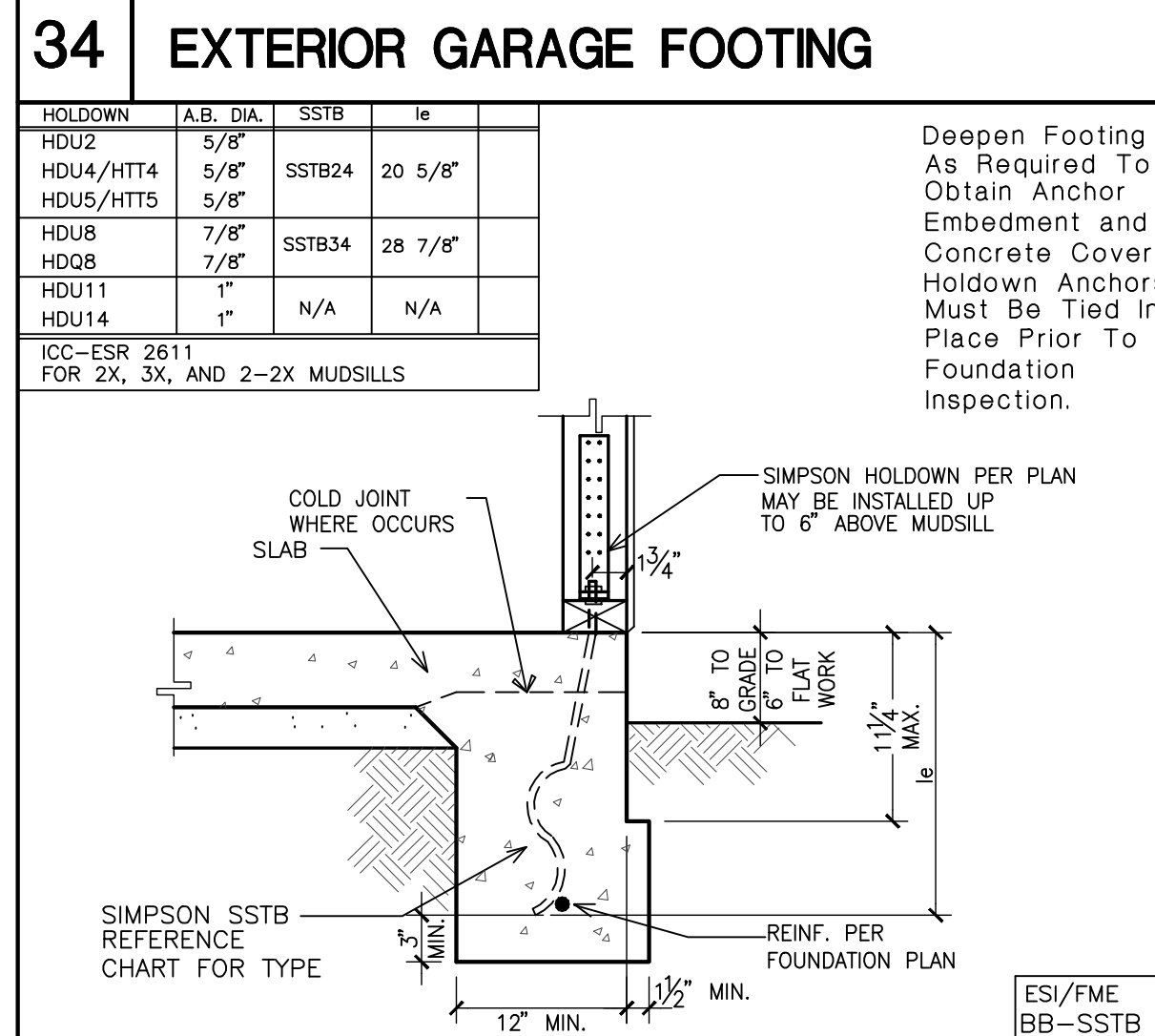
HOLDOWN	A.B. DIA.	CAPACITY	A	B	C	D	Post Req'd
HDU2	5/8"	3075 lbs	19"	6"	9.5"	10.5"	4x4
HDU4/HDU5	5/8"	4400 lbs	19"	6"	9.5"	10.5"	4x4
HTT16/HTT4	5/8"	3610 lbs	19"	6"	9.5"	10.5"	4x4
HTT22/HTT5	5/8"	4165 lbs	19"	6"	9.5"	10.5"	4x4
HDU8	7/8"	6970 lbs	35"	9"	16.5"	16.75"	4x4 (4x4=7807 lbs)
HDG8	7/8"	7630 lbs	35"	9"	16.5"	16.75"	4x4 (4x4=9230 lbs)
HDU11	1"	9535 lbs	35"	10"	16.5"	16.75"	4x4 (4x4=10357 lbs)
HDU14	1"	14121 lbs	30"	10"	15"	13"	4x8

\*\* ALL BOLTS A307  
 Fc min. = 2,500 psi  
 All Values are ASD

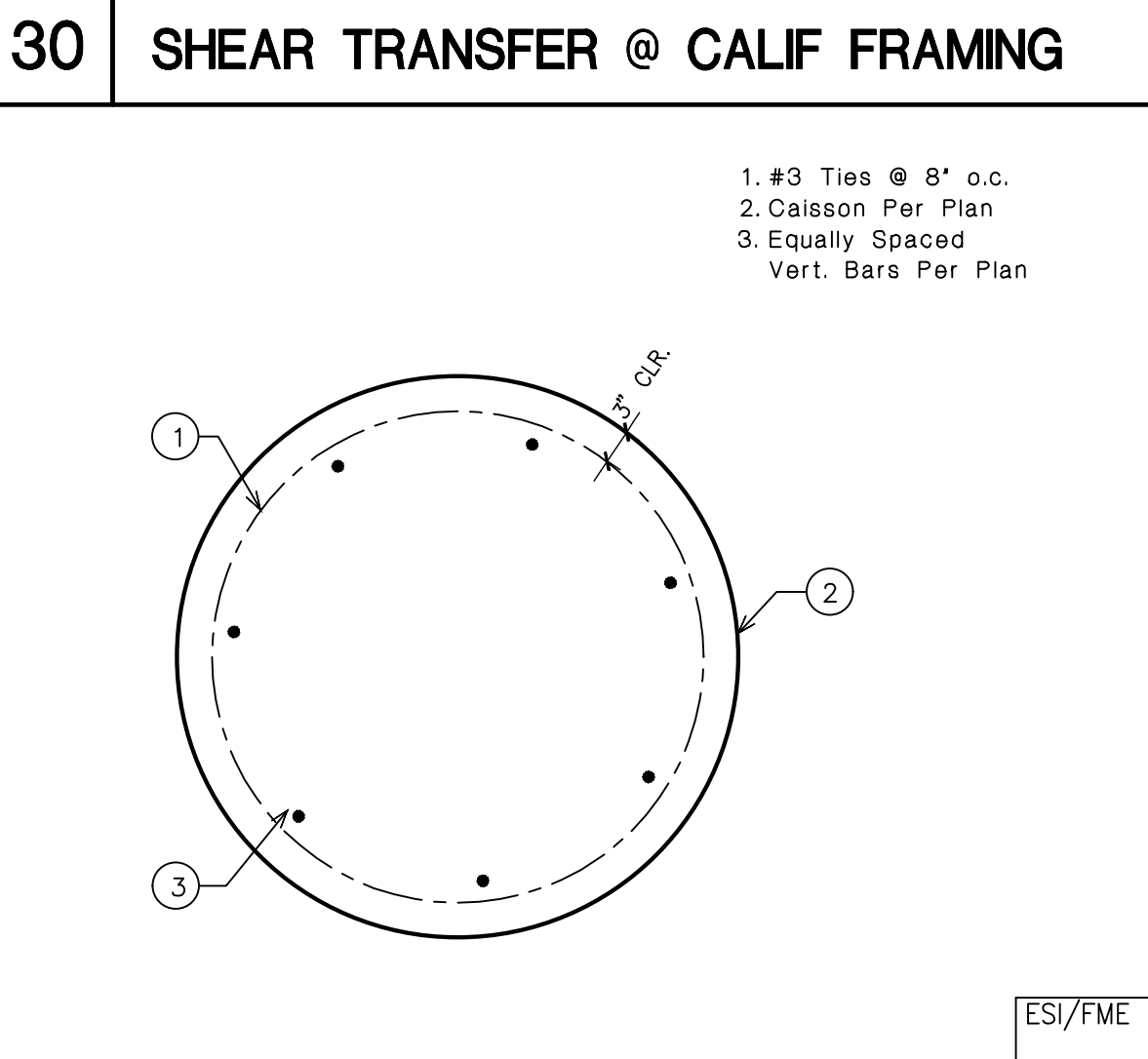
**26 HOLDOWN**



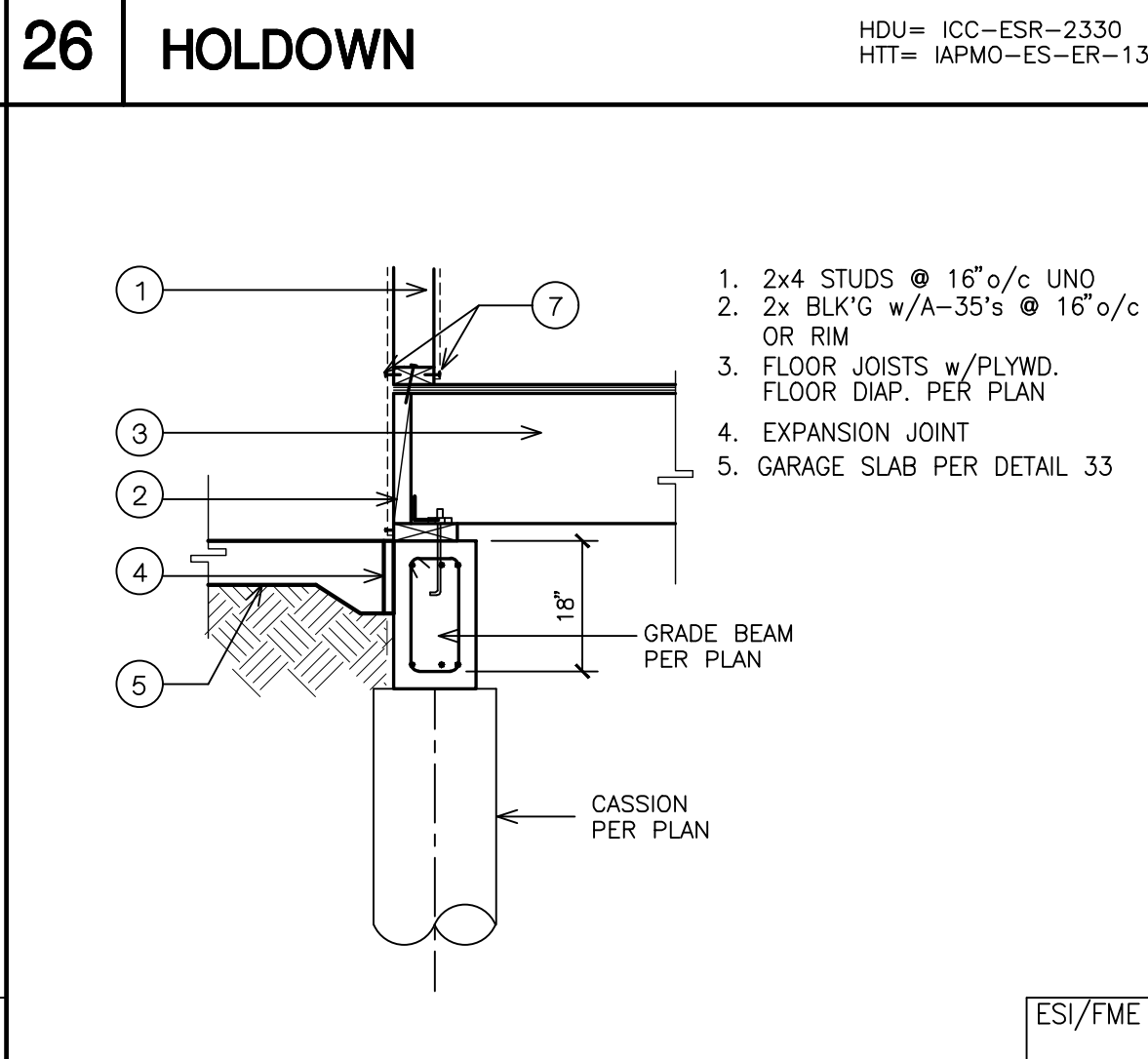
**22 G.B. INTERSECTION**



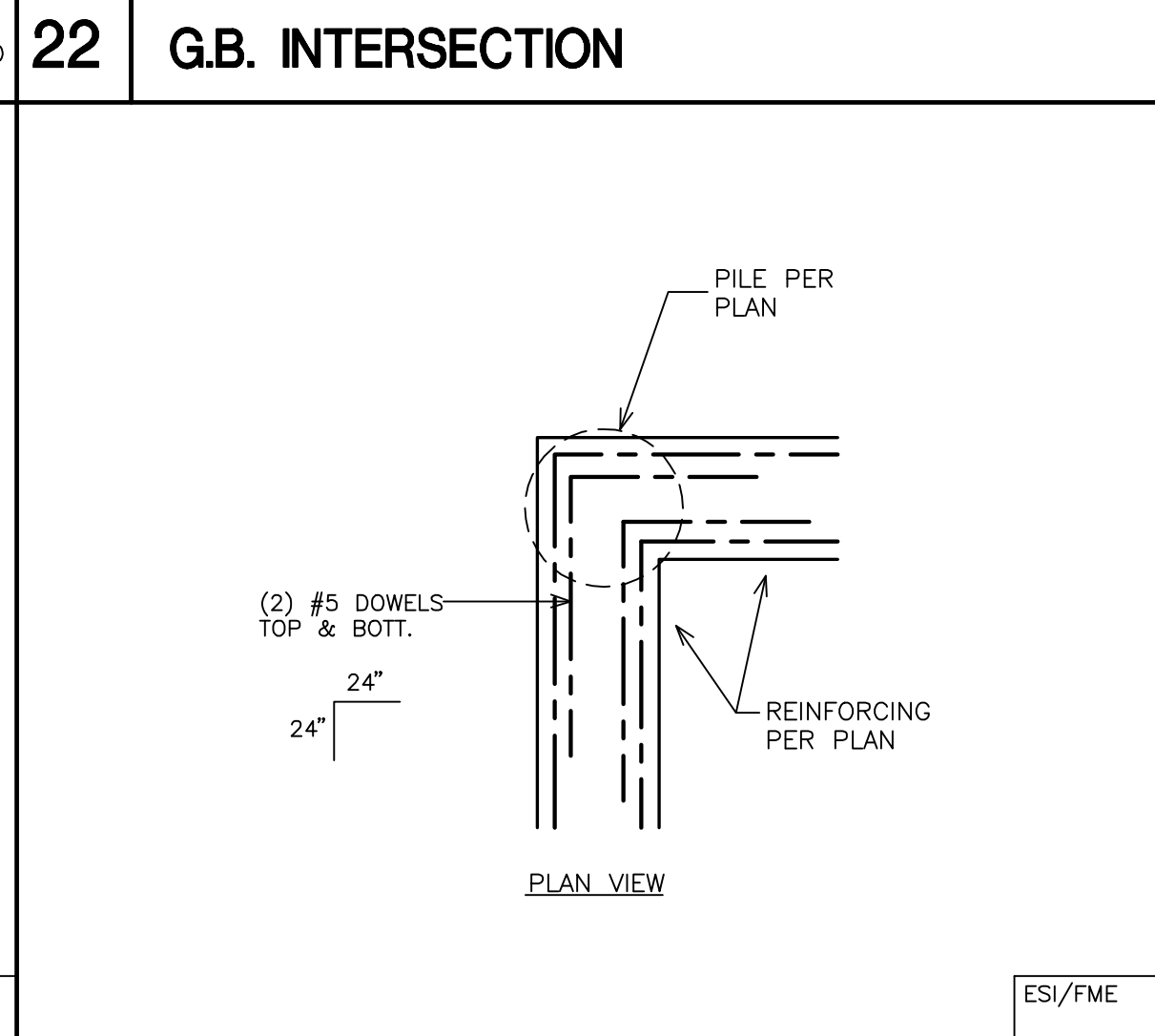
**35 HOLDOWN DETAIL SSTB BOLT**



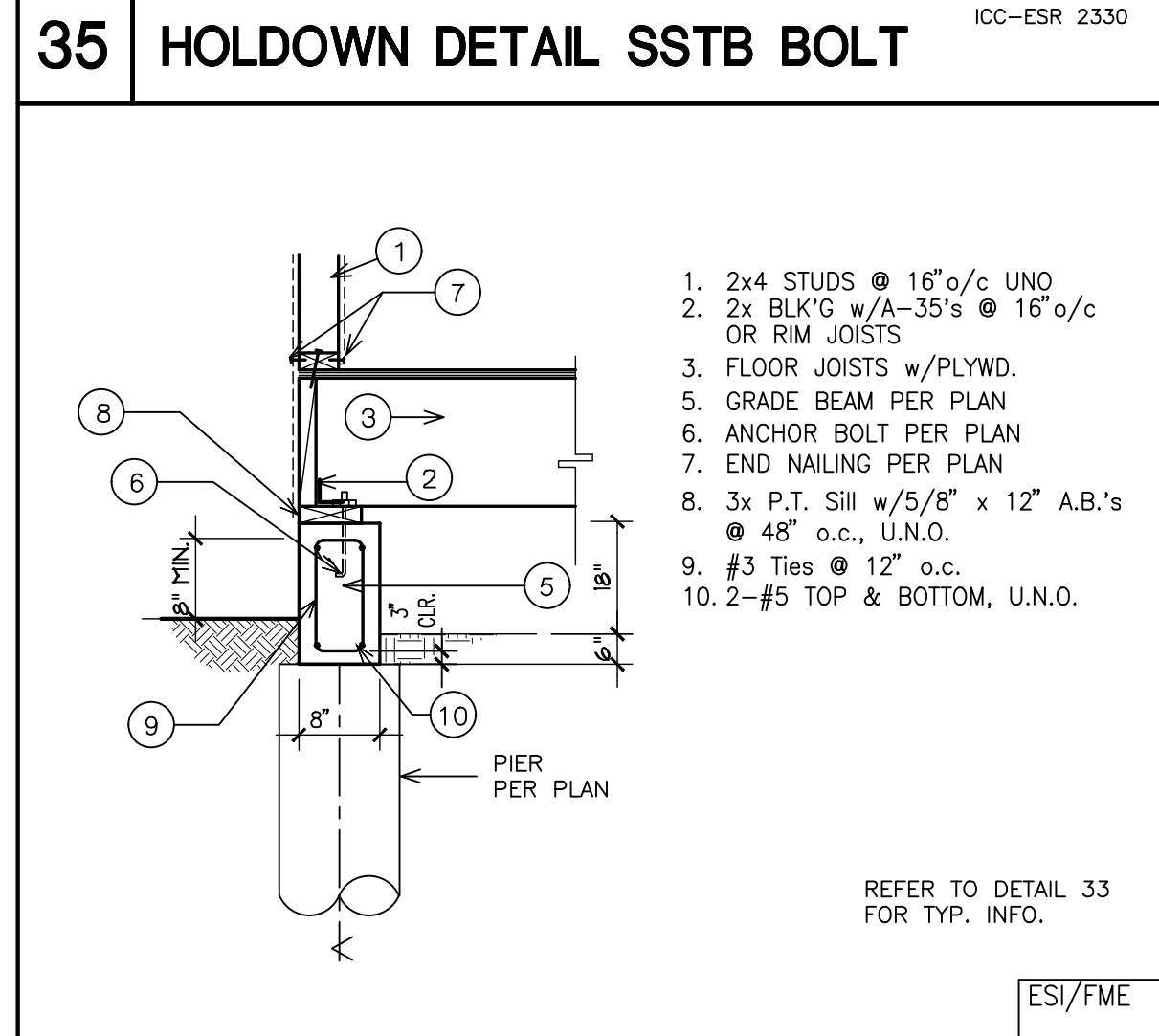
**31 CAISSON SECTION**



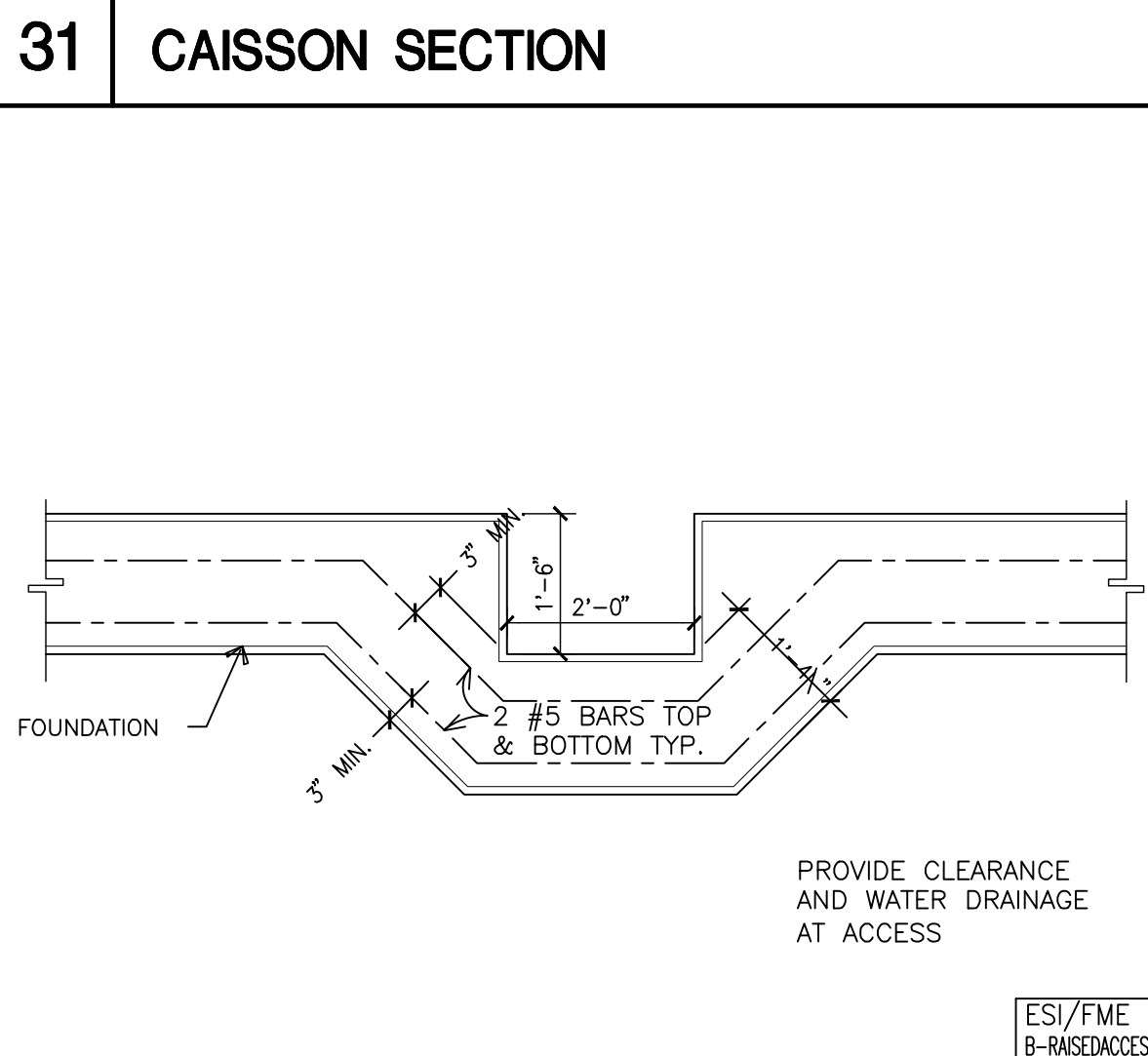
**27 HOUSE TO GARAGE**



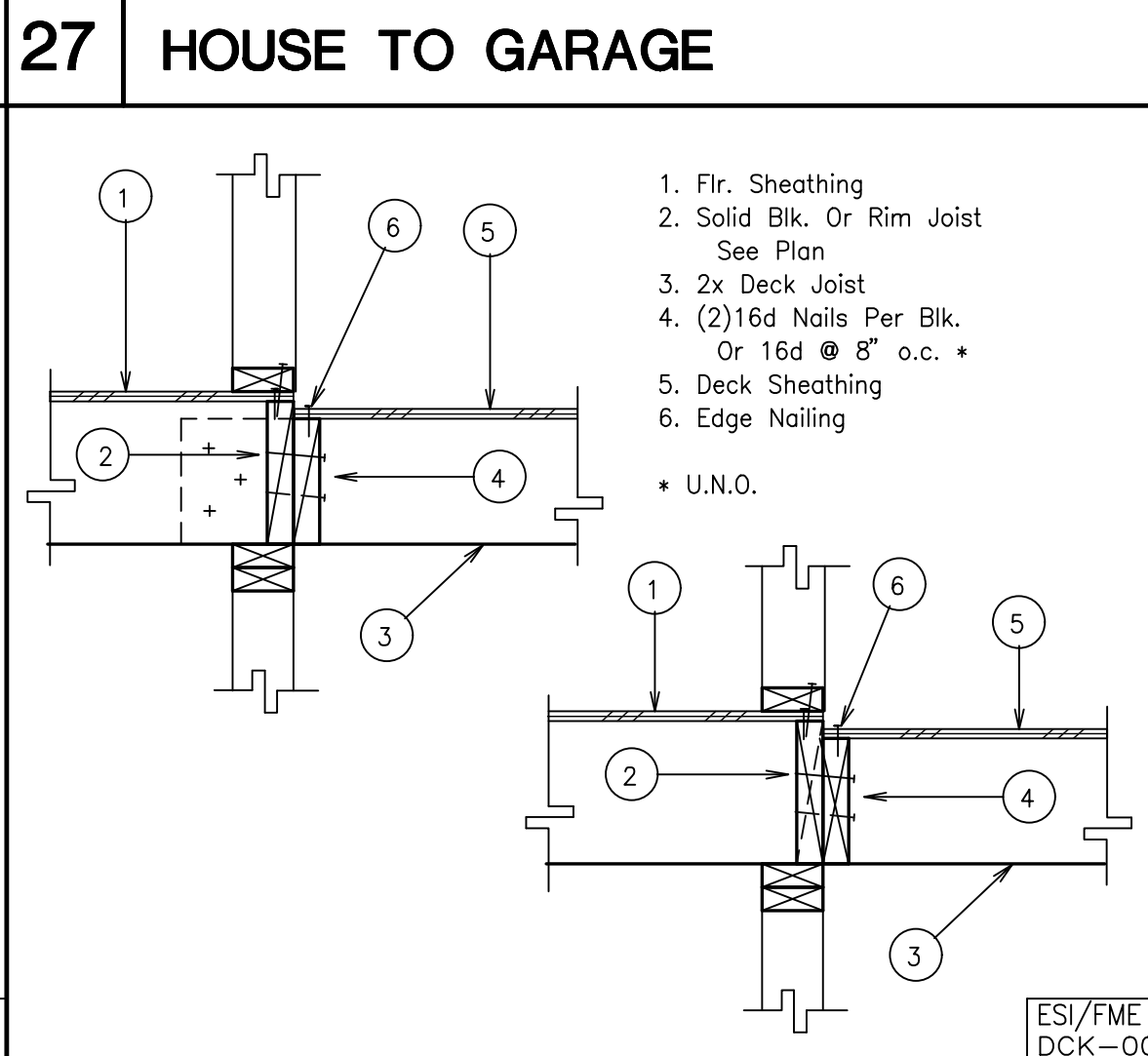
**23 GRADE BM @ CORNER**



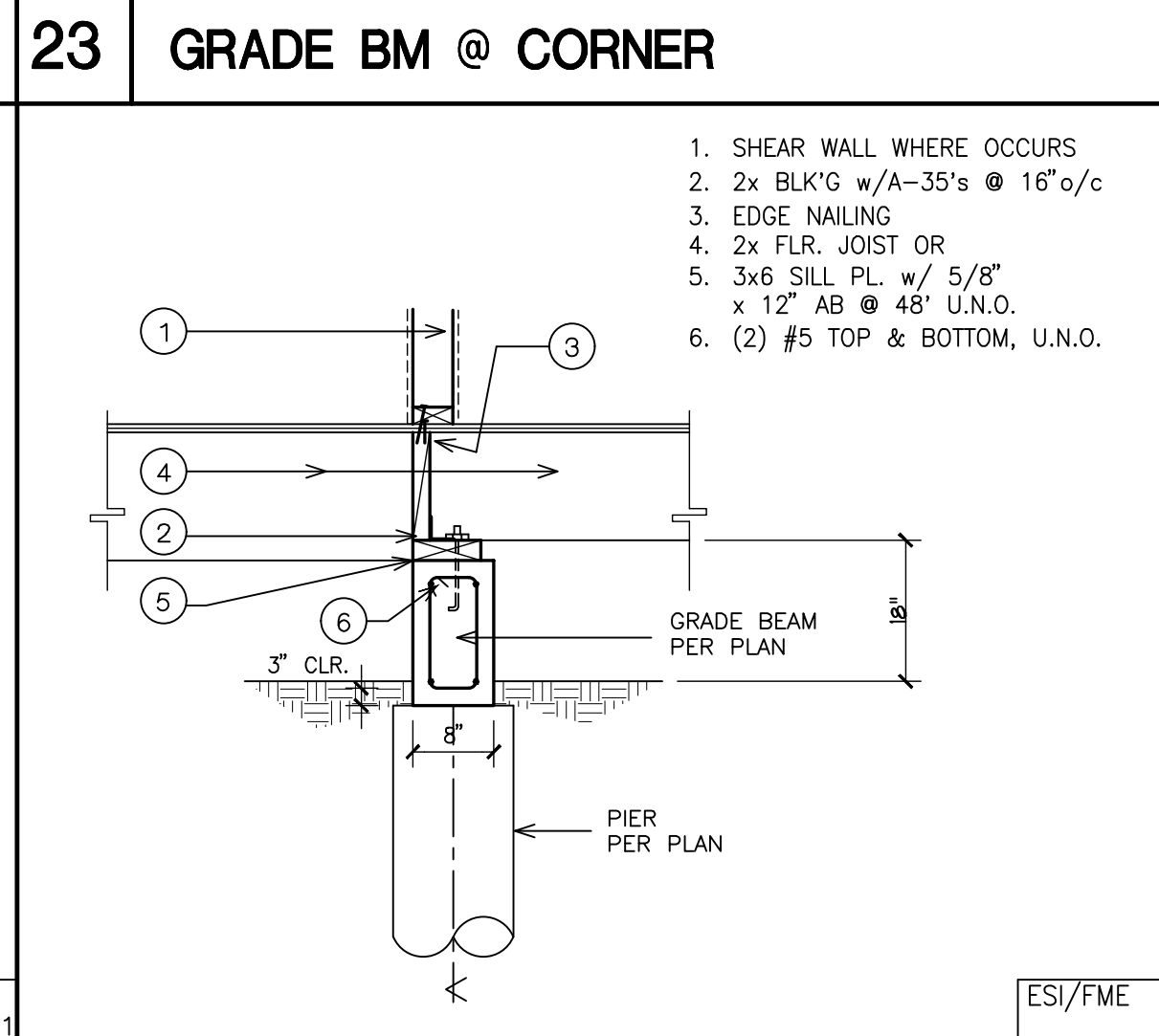
**36 EXTERIOR WALL**



**32 FOUNDATION ACCESS**



**28 DECK DETAIL**



**24 INTERIOR GRADE BM**

REVISIONS
6-2-17 BSC

**ESI/FME INC.**  
 STRUCTURAL ENGINEERS  
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 PHONE: 714-895-2800  
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 JN-E776 05/23/2017

**STRUCTURAL DETAILS**

HIGHLAND ESTATES  
 LOT 6: 2135 TICONDEROGA DR.  
 SAN MATEO, CA  
 THE CHAMERLAIN GROUP



DRAWN	-
CHECKED	-
PLOT DATE	05/23/2017
JOB NO.	E776
SHEET	
<b>SD2</b>	