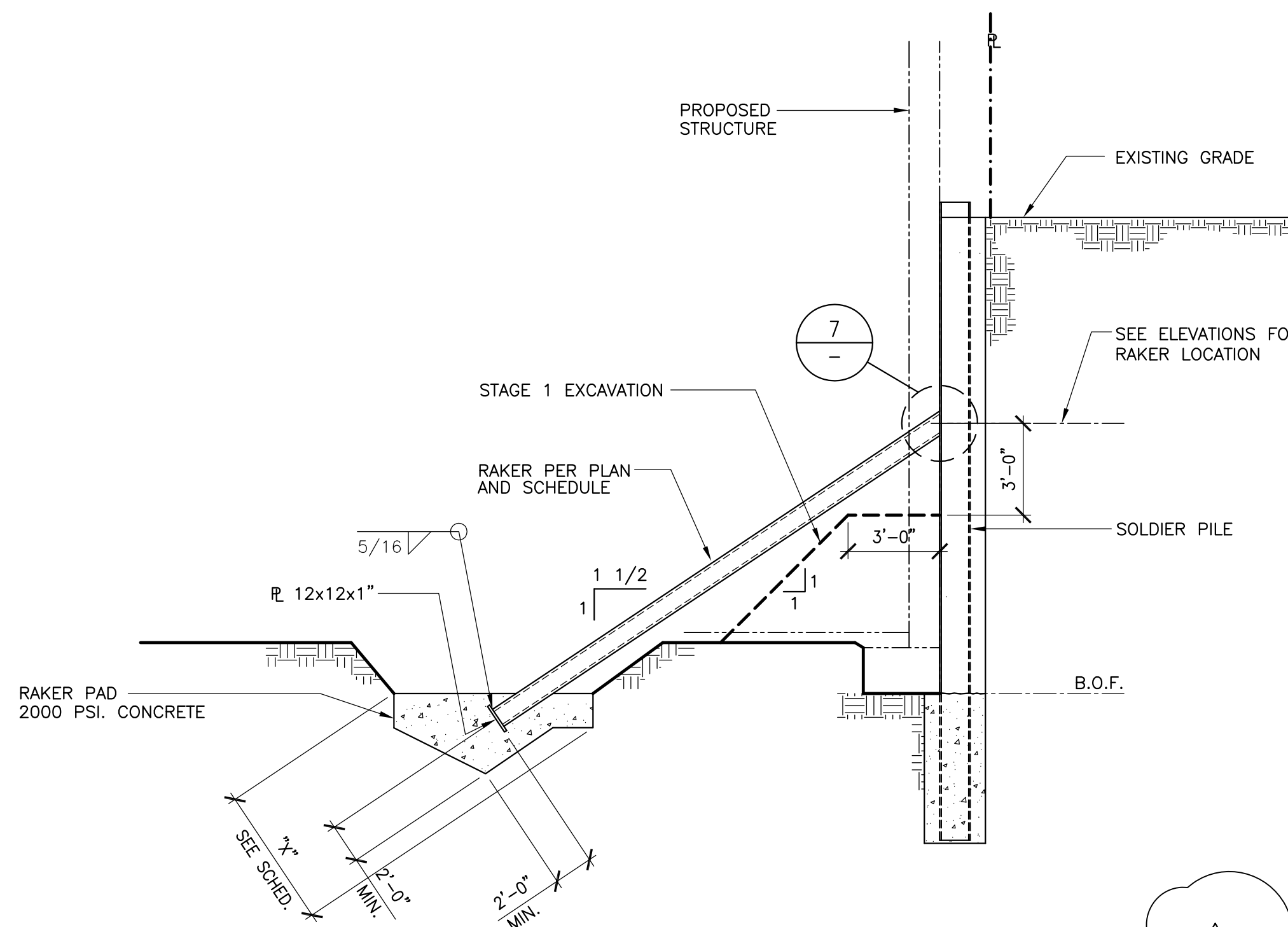
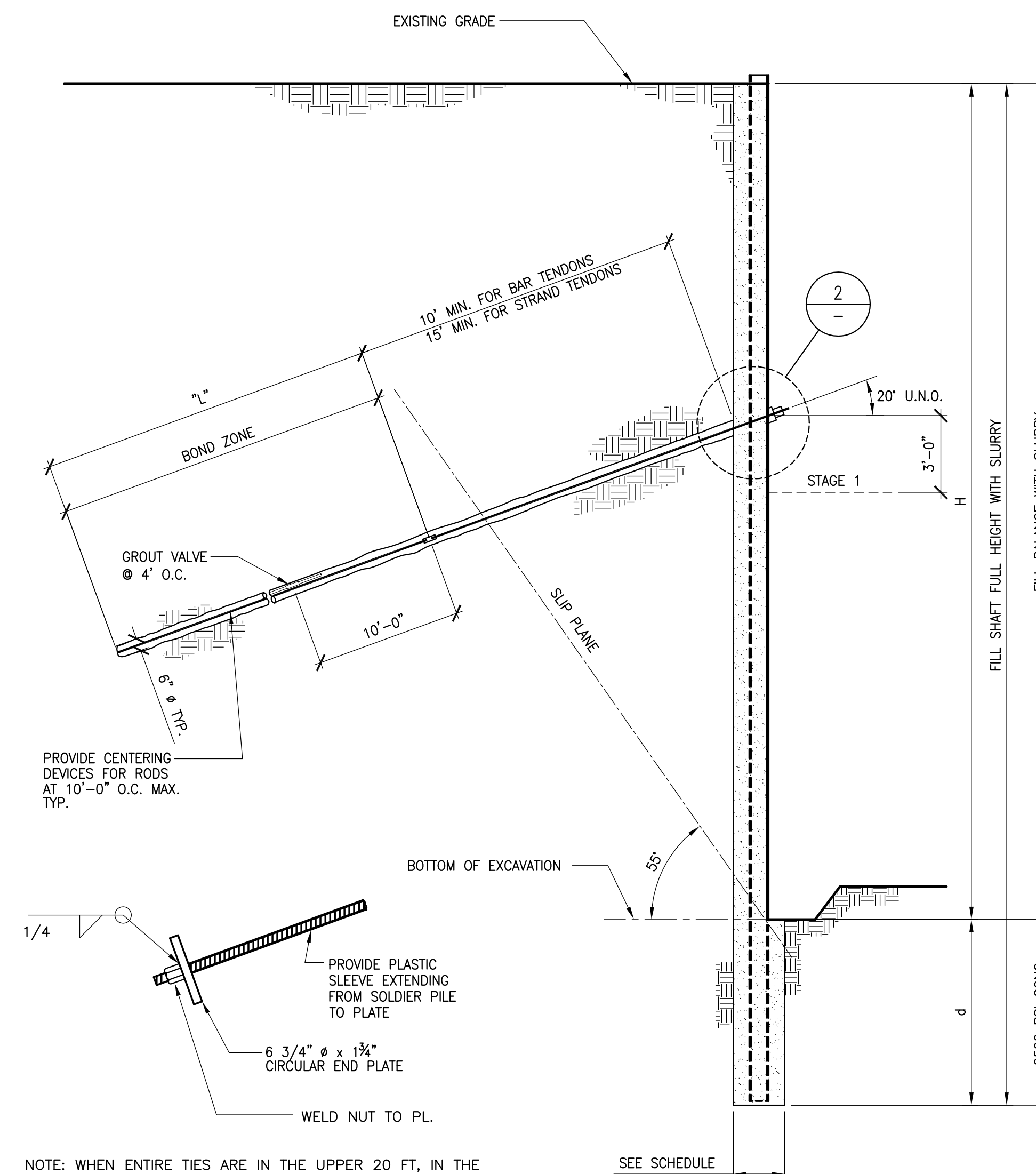


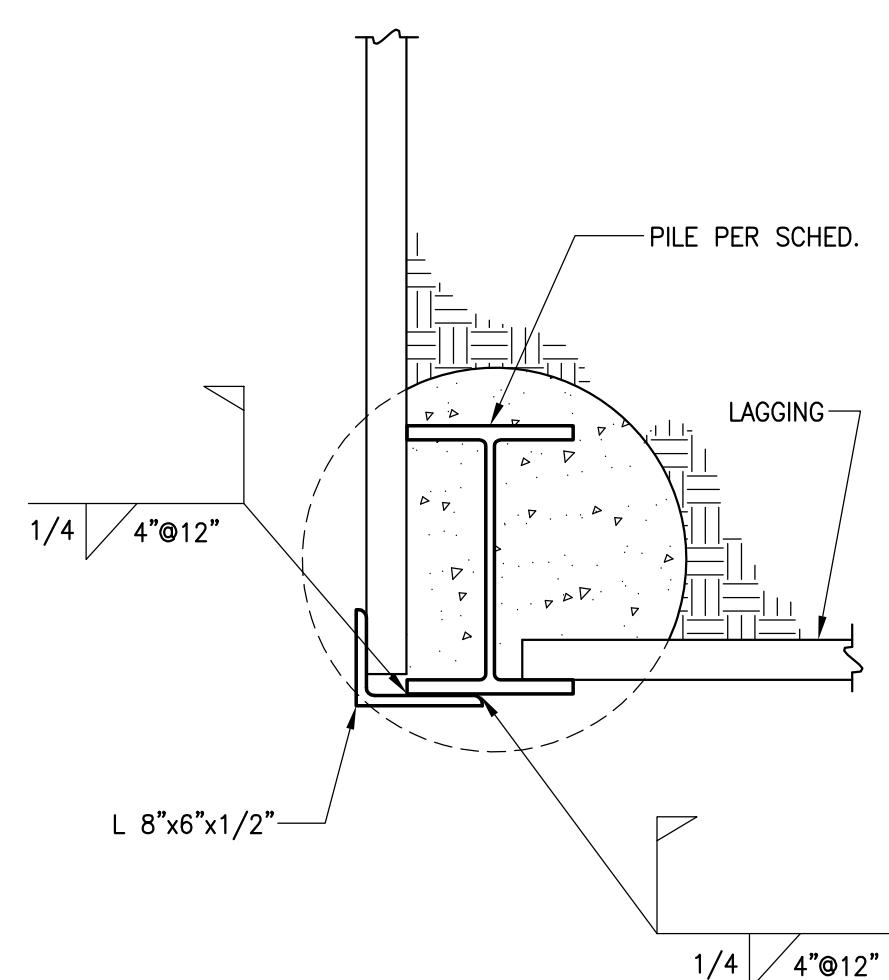
PILE NO.	H (ft.)	BEAM SIZE	d (ft.)	SHAFT	ROD	# OF 6" STRANDS	TIE-BACK ANGLE	DESIGN	TEST	TIE SHAFT	RAKER	RAKER PAD	REMARKS
1 & 2	17'-0"	W12x26	7'-0"	24"	-	-	-	-	-	-	-	-	CORNER BRACE
3	17'-0"	W12x26	13'-0"	24"	-	-	-	-	-	-	8" PIPE	10'-0"	-
4	17'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
5 & 6	17'-0"	W12x26	13'-0"	24"	-	-	-	-	-	-	8" PIPE	10'-0"	-
7 TO 22	16'-0"	W12x26	11'-0"	24"	-	-	-	-	-	-	8" PIPE	9'-0"	-
23	16'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
24	16'-0"	W12x26	11'-0"	24"	-	-	-	-	-	-	6" PIPE	9'-0"	-
25 & 26	16'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	CORNER BRACE
1	16'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
2 & 3	15'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	CORNER BRACE
4 TO 18	15'-0"	W12x26	12'-0"	24"	-	-	-	-	-	-	6" PIPE	9'-3"	-
19 TO 22	14'-0"	W12x26	11'-0"	24"	-	-	-	-	-	-	6" PIPE	8'-0"	-
1	14'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
2	14'-0"	W12x26	6'-0"	24"	1"	-	15'	50.0 K	75.0 K	24'-0"	-	-	-
3 & 4	14'-0"	W12x26	6'-0"	24"	1"	-	25'	50.0 K	75.0 K	24'-0"	-	-	-
5	14'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
6 TO 11	14'-0"	W12x26	6'-0"	24"	1"	-	25'	50.0 K	75.0 K	24'-0"	-	-	-
12 TO 27	15'-0"	W12x26	6'-0"	24"	1"	-	25'	56.0 K	84.0 K	28'-0"	-	-	-
1	15'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK
2 TO 5	15'-0"	W12x26	10'-0"	24"	-	-	-	-	-	-	6" PIPE	8'-0"	-
6 TO 15	16'-0"	W12x26	11'-0"	24"	-	-	-	-	-	-	6" PIPE	9'-0"	-
16 TO 22	17'-0"	W12x26	13'-0"	24"	-	-	-	-	-	-	8" PIPE	10'-0"	-
23 & 24	17'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	CORNER BRACE
25	17'-0"	W12x26	6'-0"	24"	-	-	-	-	-	-	-	-	NO TIEBACK



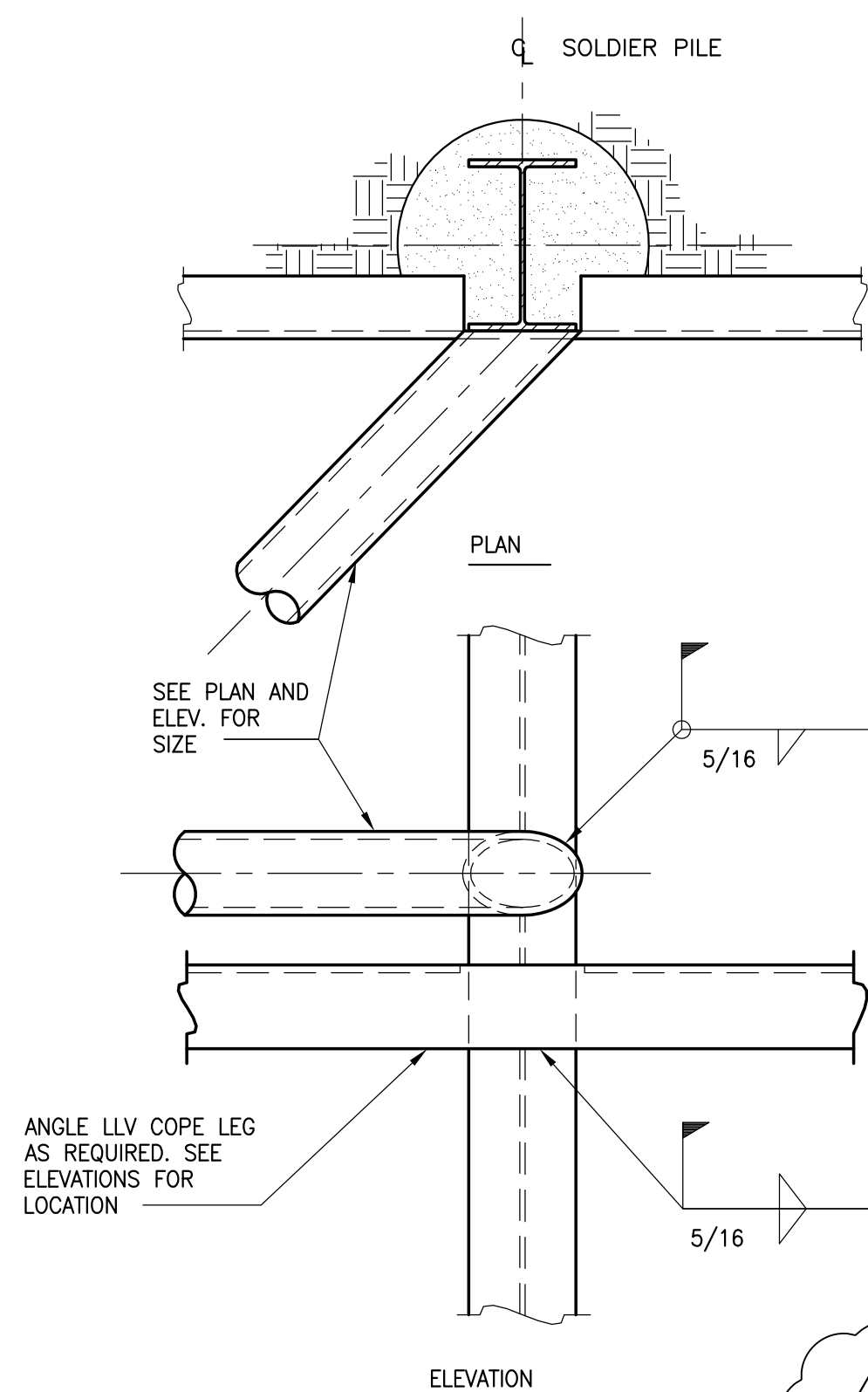
TYPICAL RAKER SECTION
SCALE: 1/4"=1'-0"



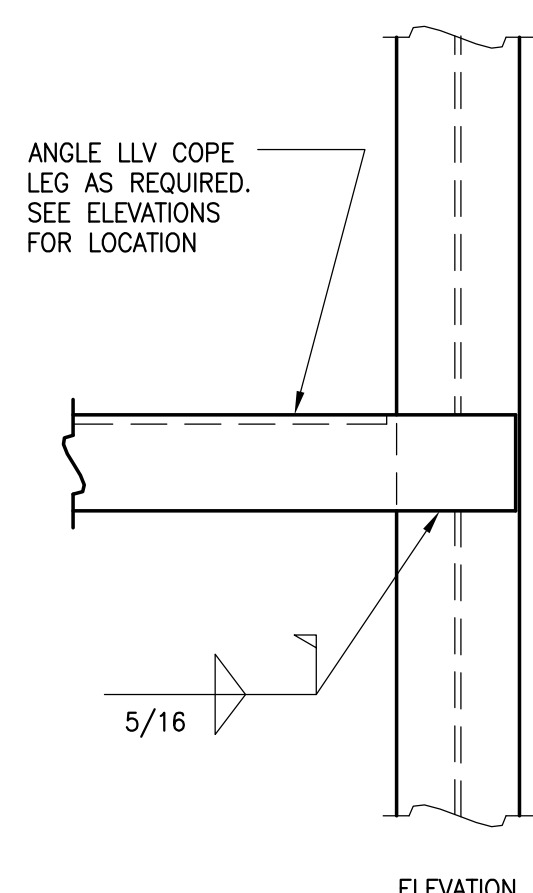
NOTE: WHEN ENTIRE TIES ARE IN THE UPPER 20 FT. IN THE PUBLIC R/W REMOVE TIE PER THIS DETAIL.
TYP. TIE-BACK BULKHEAD SECTION - POST GROUT



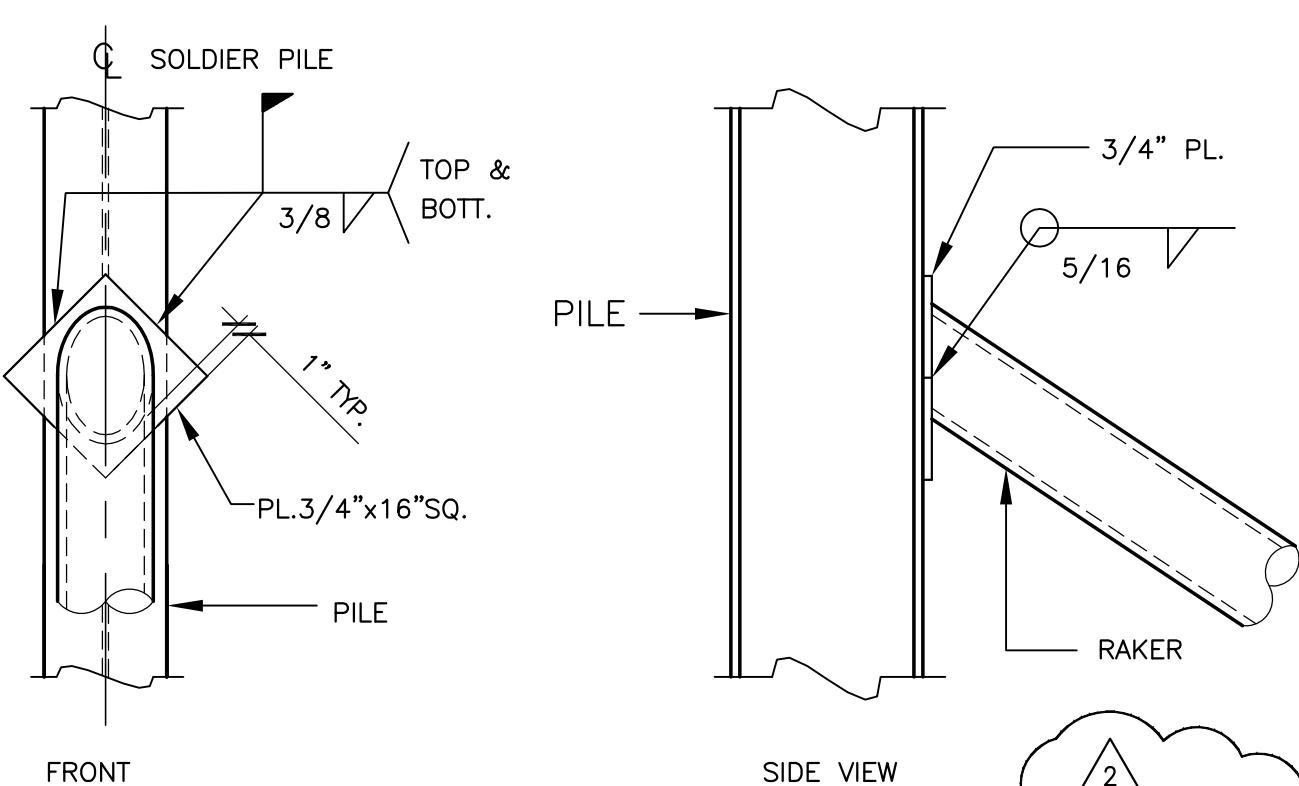
LAGGING DETAIL



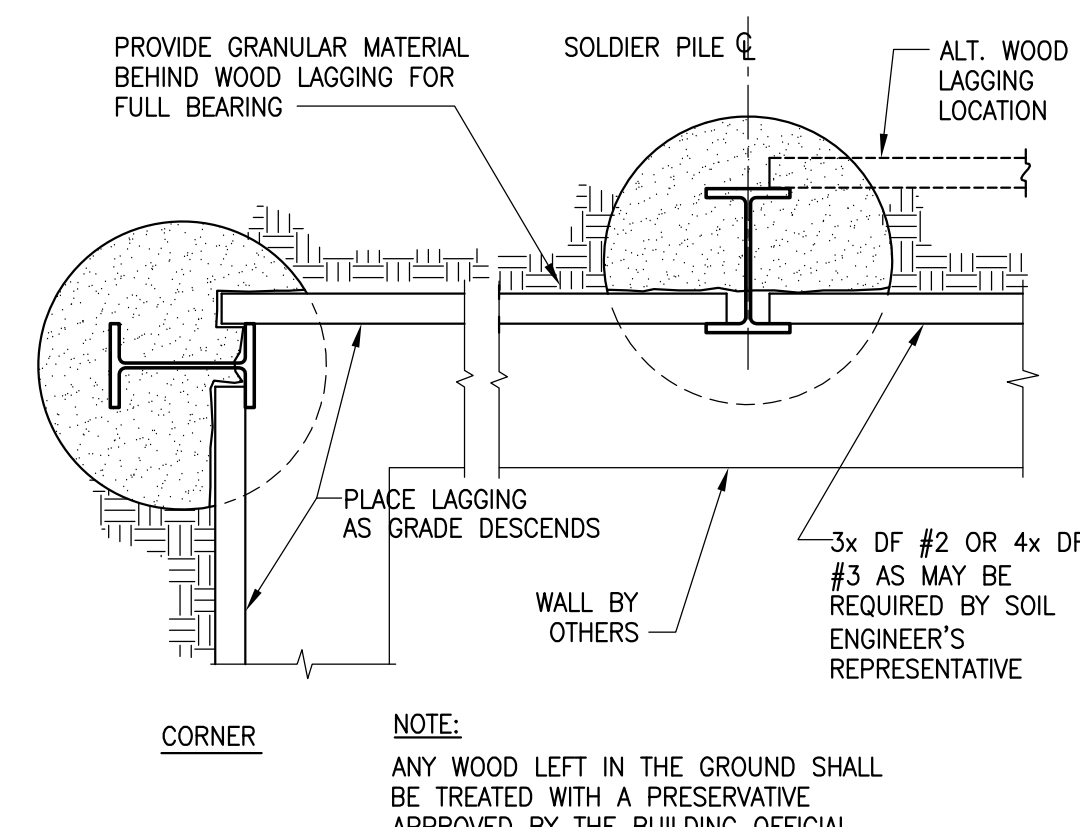
CORNER BRACE DETAIL



ANGLE STRUT



RAKER DETAIL

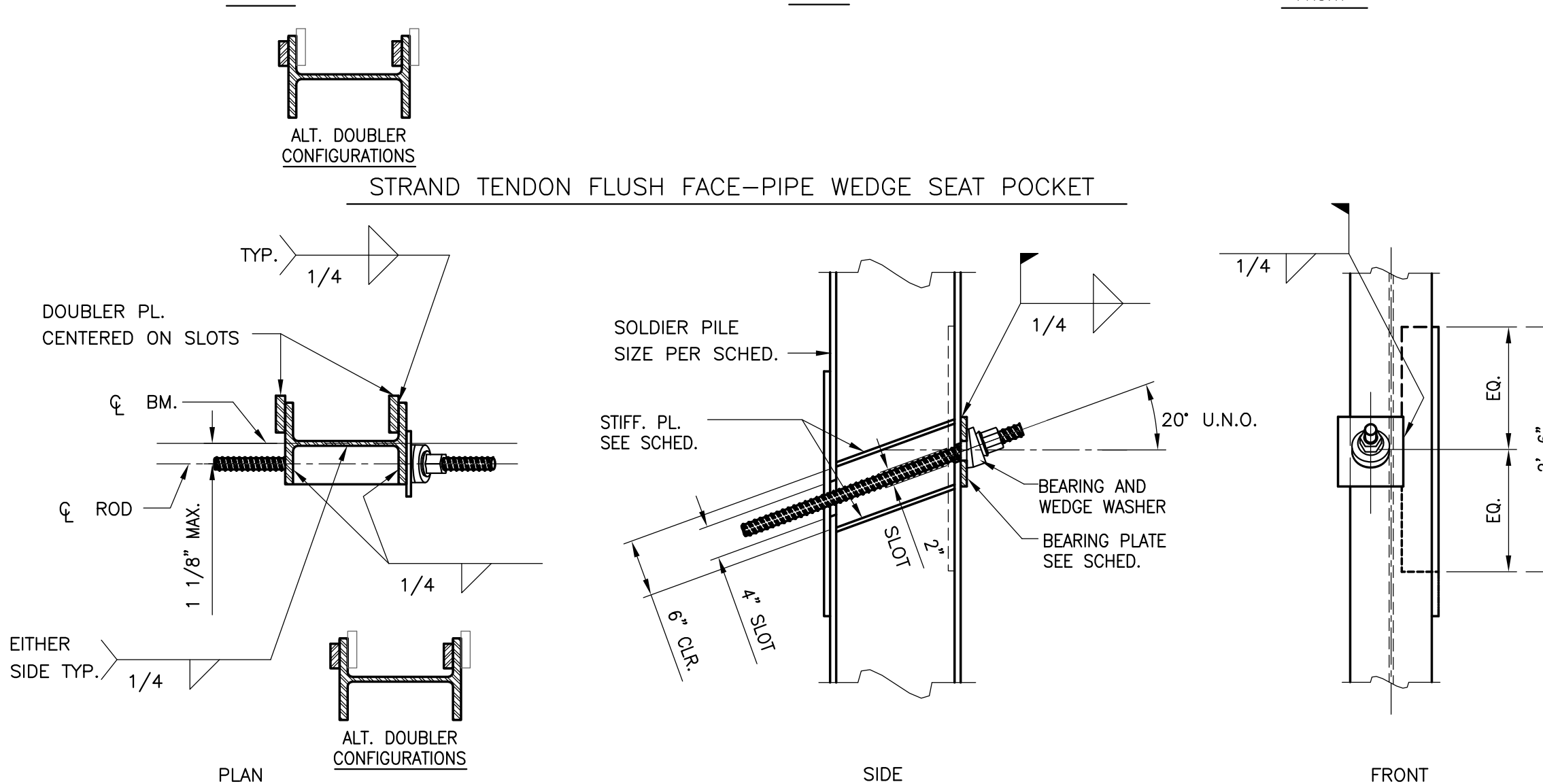
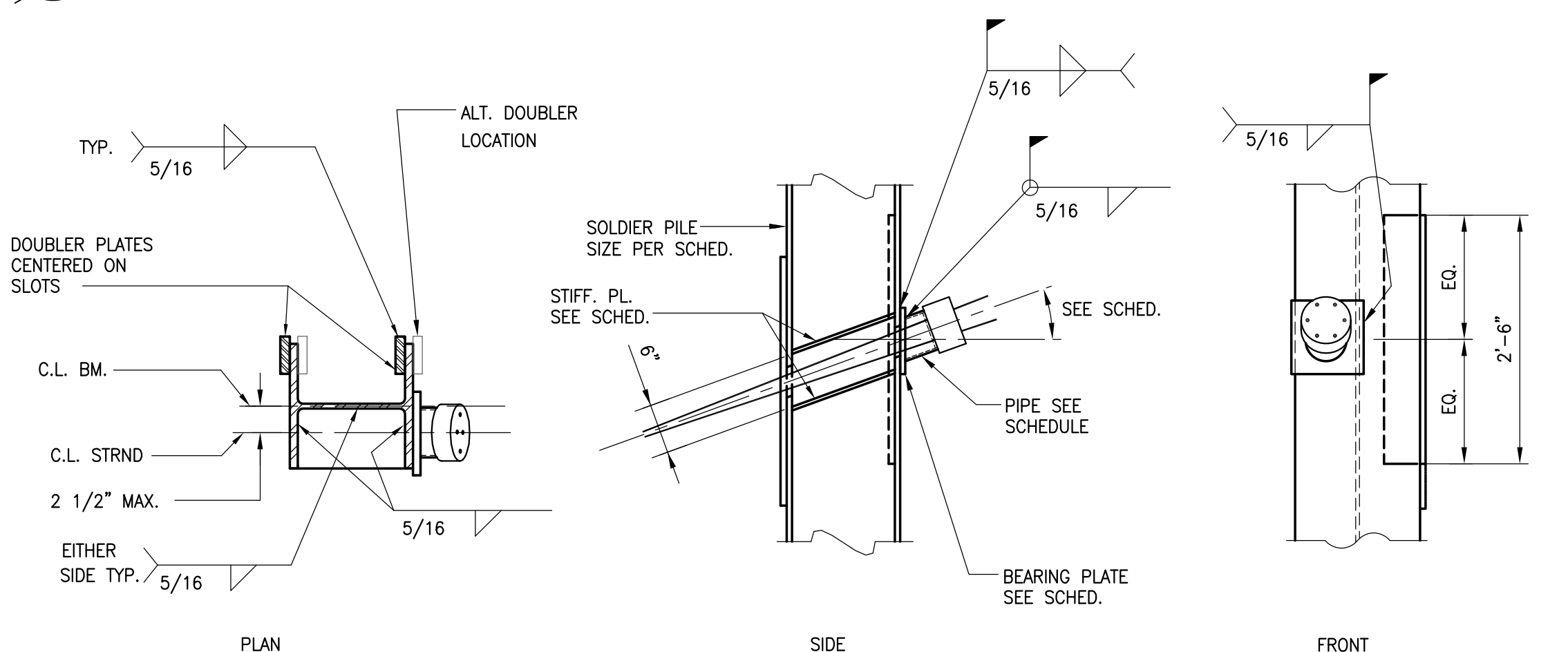


WOOD LAGGING

# OF STRANDS	MAX. TEST LOAD	PIPE SIZE
3	141k	4"Ø x 0.531" WALL
4	188k	4"Ø x 0.531" WALL
5	235k	5"Ø x 5/8" WALL
7	329k	5"Ø x 5/8" WALL

BEAM	DOUBLER PL.
W6x9 - W6x25	2 3/4" x 3/4"
W8x10 - W8x35	
W10x12 - W10x30	
W12x19 - W12x35	
W14x22 - W14x38	
W16x31 - W16x45	
W18x35 - W18x46	
W8x40 - W8x48	3 1/2" x 3/4"
W10x33 - W10x45	
W12x40 - W12x50	
W14x43 - W14x53	
W16x50 - W16x57	
W10x49 - W10x68	4" x 1"
W12x53 - W12x72	
W18x50 - W18x71	
W12x79 - W12x87	5" x 1"
W14x61 - W14x90	
W16x67 - W16x100	
W18x76 - W18x106	

TYPICAL TIE-BACK ANCHOR CONNECTION



BEARING PL.	MAX. TEST LOAD
8" x 8" x 1"	150 K
8" x 8" x 1 1/2"	200
8" x 8" x 2"	250

STIFF. PL. THK.	MAX. TEST LOAD
1/2"	150 K
5/8"	200
3/4"	250

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STRUCTURAL ENGINEER

TILDIN ENGINEERING
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MARK	DATE	DESCRIPTION
1	5-3-06	CITY CORRECTIONS
2	5-17-06	RAKER REVISION
3		
4		
5		
6		
7		
8		

PROJECT TITLE
TEMPORARY SHORING
APARTMENT BUILDING
20223-20237 W. SATICOY
WINNETKA, CA

SHEET TITLE
TYP. SECTIONS
TYP. DETAILS
PILE SCHEDULE

DATE: 03/07/06
SCALE: AS NOTED
DRAWN BY: F.Q.
PROJECT NO. 05-010
DRAWING NO.

SS-2