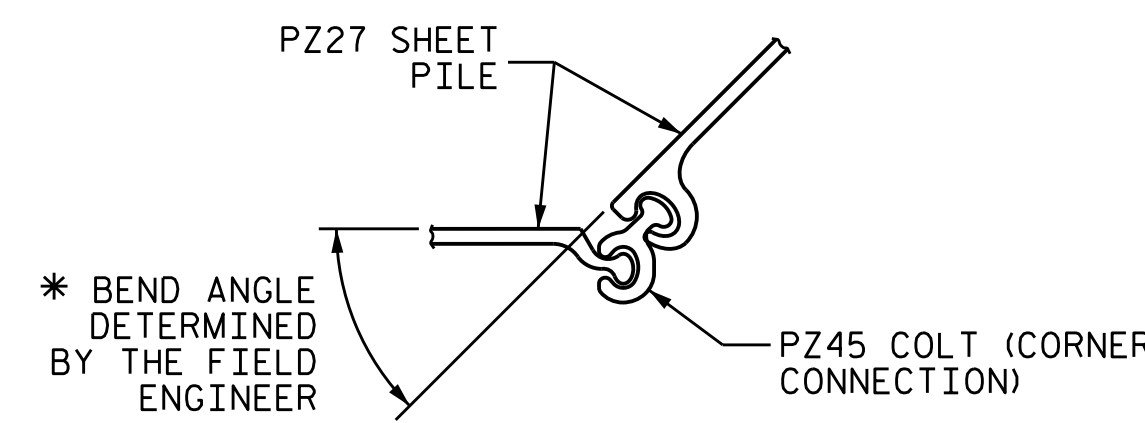
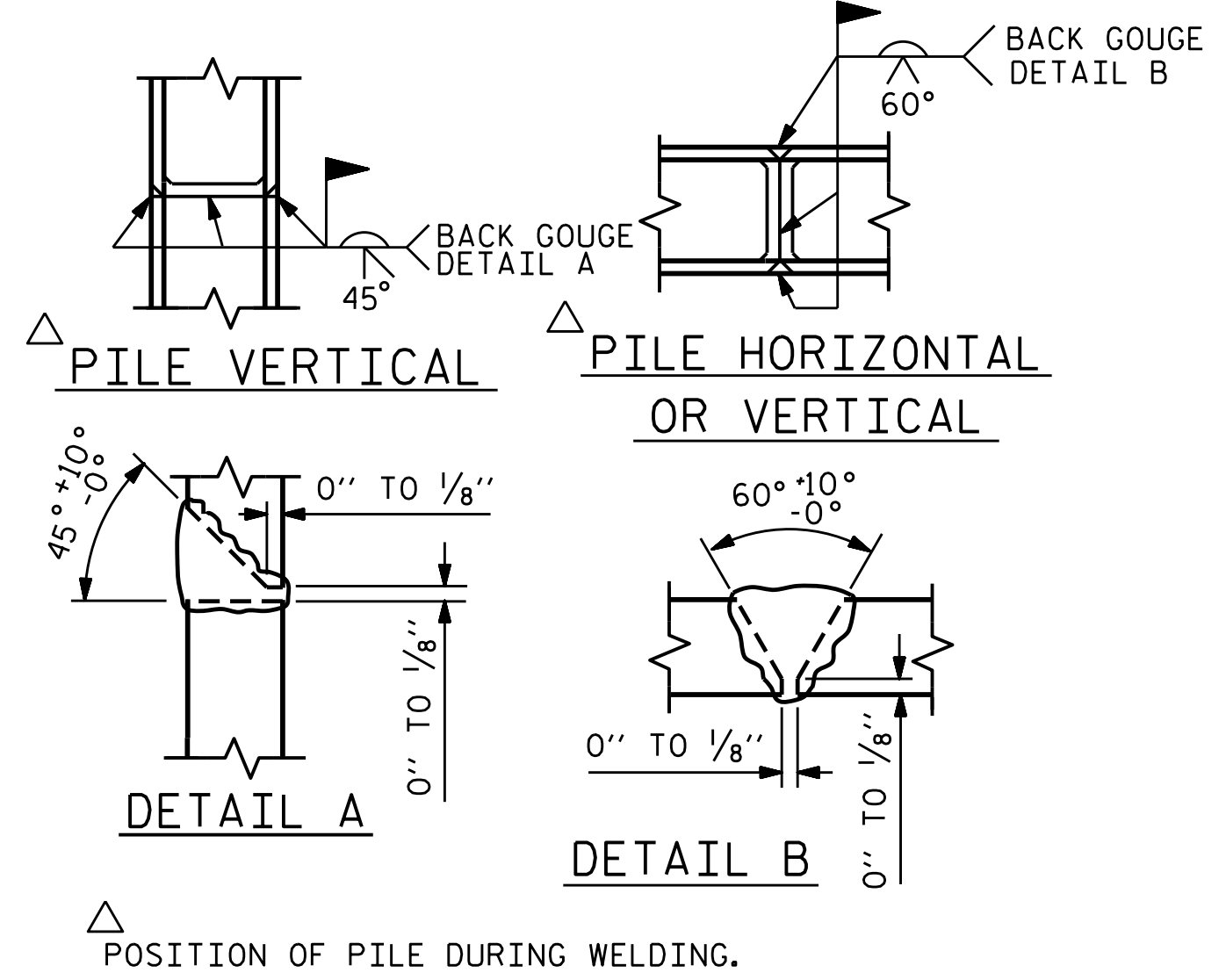


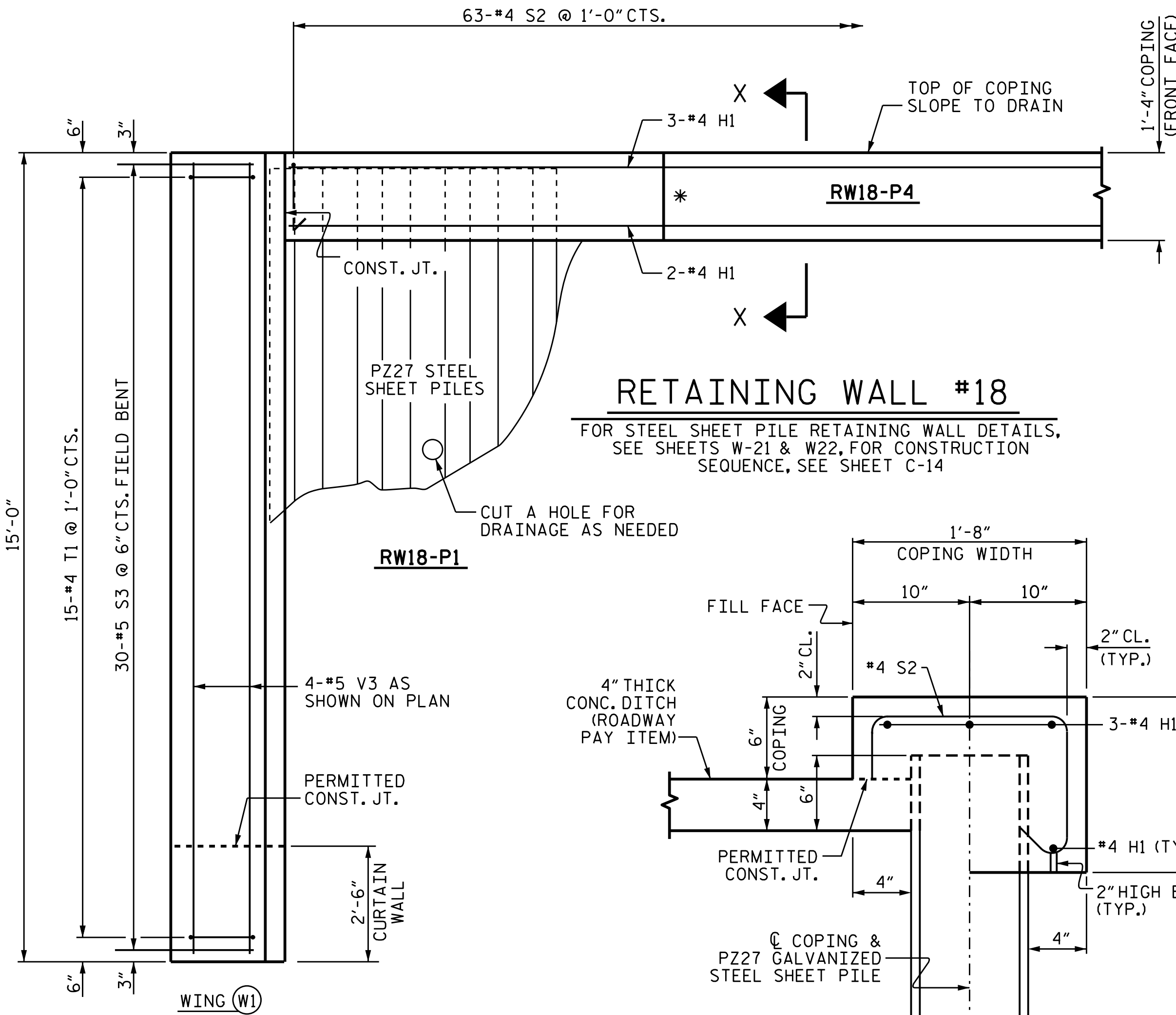
PLAN
 * 2" x 8" NOTCH WITH 1" EXPANSION MATERIAL BETWEEN STEEL SHEET PILE AND CONCRETE WING



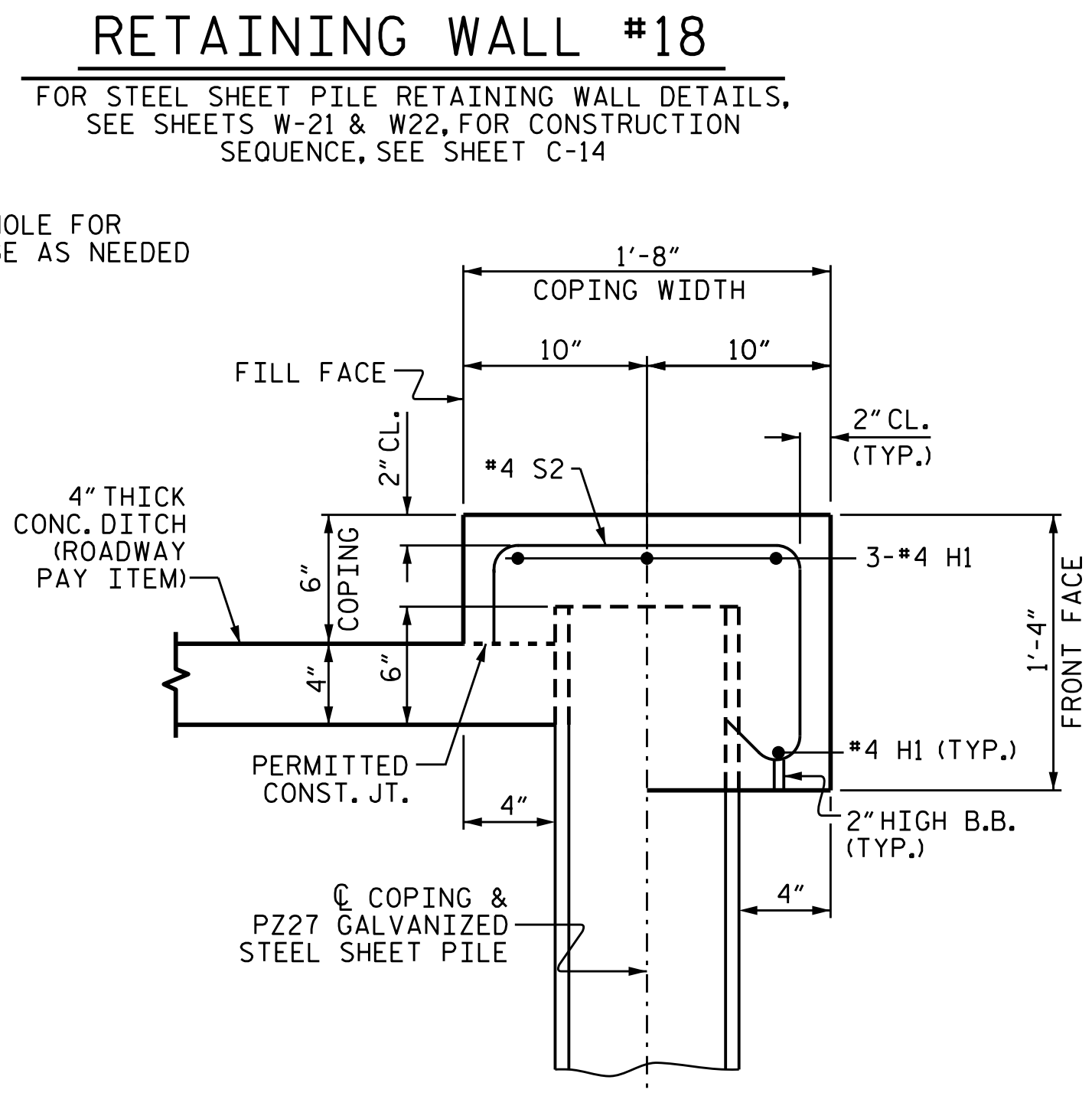
DETAIL "A"



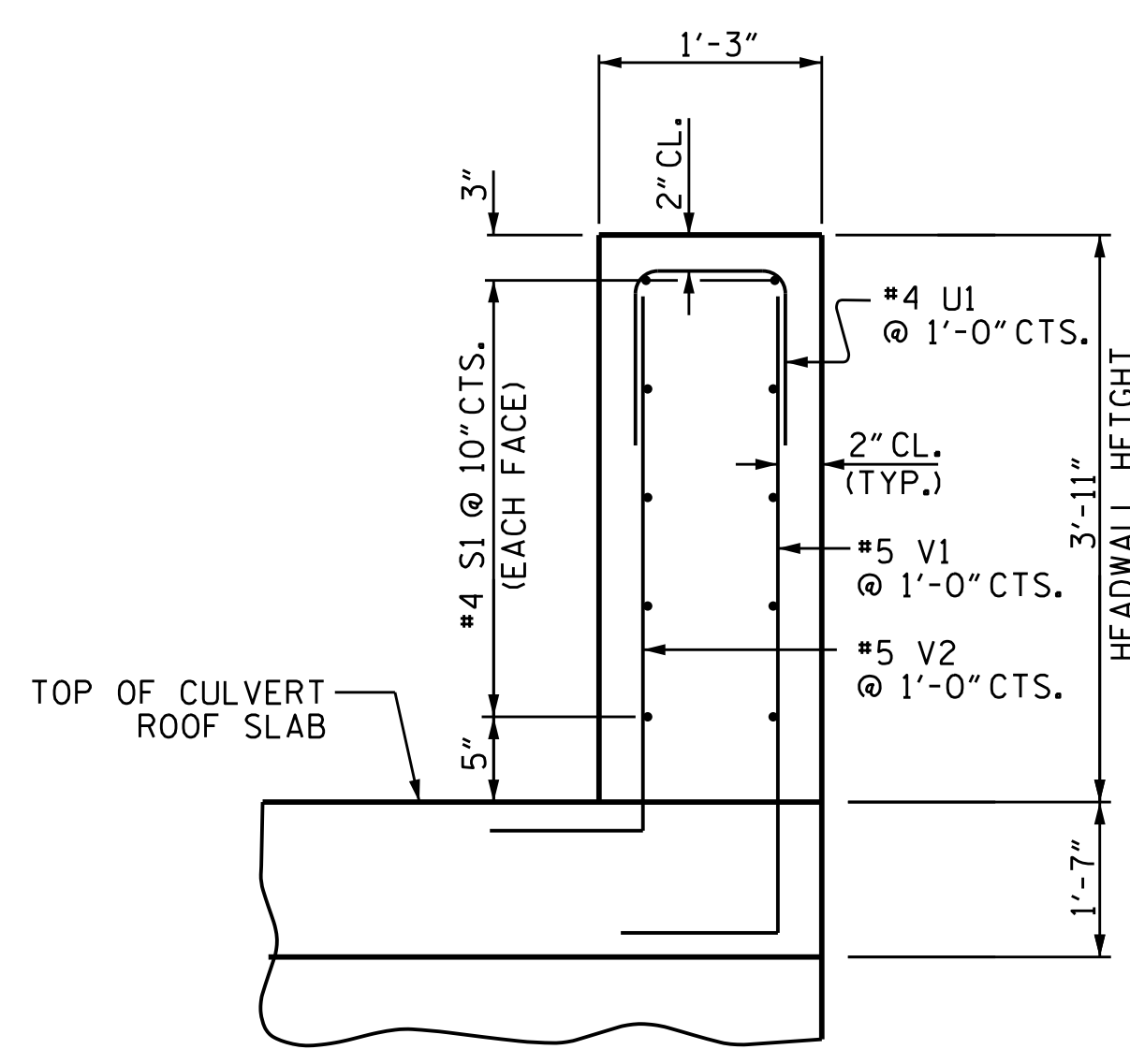
PILE SPLICE DETAILS



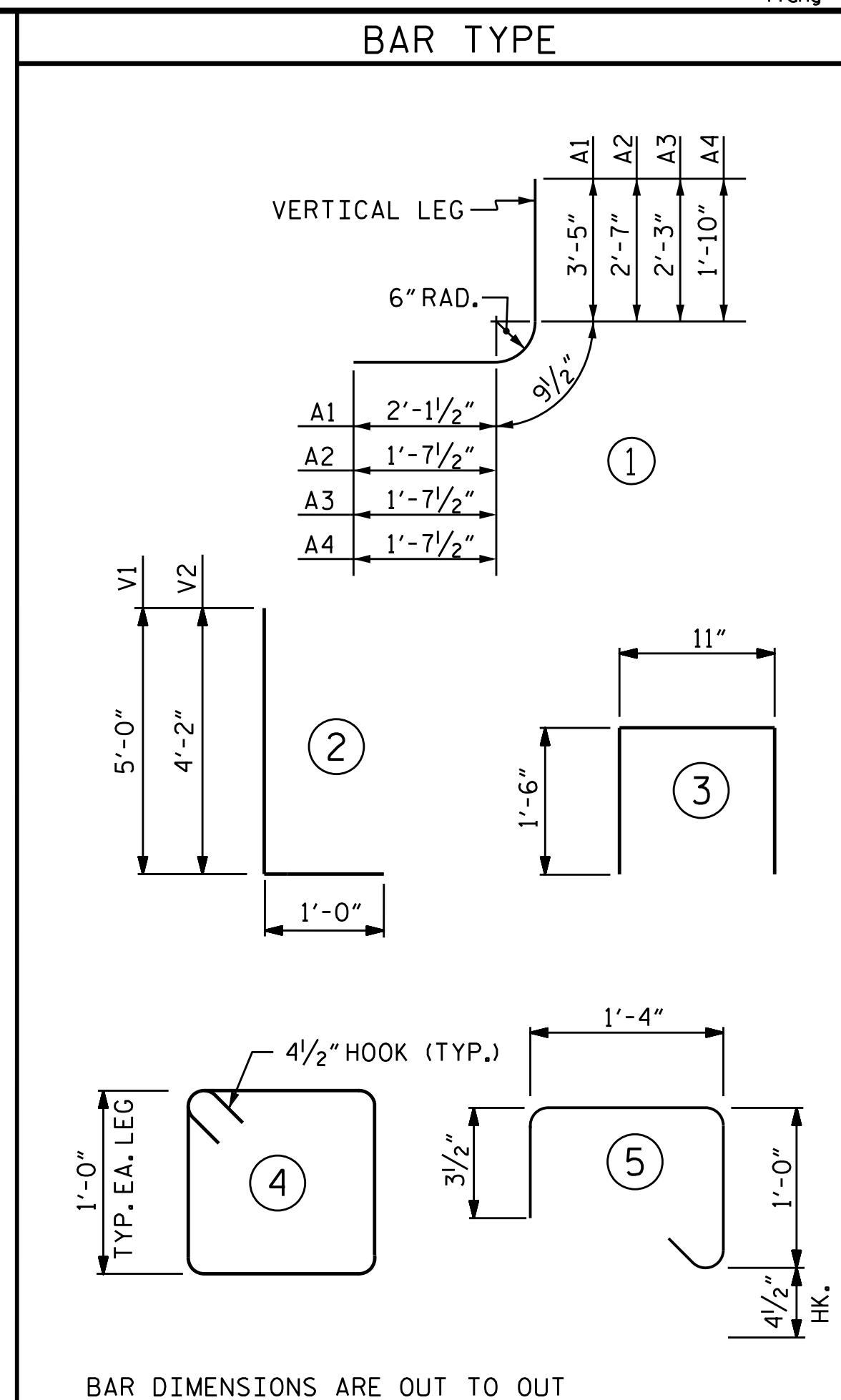
ELEVATION



**SECTION X-X
 CONCRETE COPING DETAILS**



SECTION THRU HEADWALL



BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
"C"	#4	1'-11"

CLASS A CONCRETE QUANTITY FOR MISC. ITEMS

ITEM	QUANTITY (C.Y.)
3'-11" HEADWALL	4.0
CURTAIN WALL	1.3
WING (W1)	2.3
COPING	4.2
TOTAL	11.8

BAR SCHEDULE

PHASE C2&3-P1A CONSTRUCTION

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	1600	#4	1	6'-4"	6,769
A2	1600	#4	1	5'-0"	5,344
A100	923	#5	STR	21'-8"	20,858
A200	800	#5	STR	21'-8"	18,079
A300	923	#5	STR	21'-8"	20,858
A400	800	#6	STR	21'-8"	26,035
B1	1000	#4	STR	9'-11"	6,625
B2	1600	#4	STR	6'-4"	6,769
B3	500	#4	STR	9'-11"	3,312
C1	1881	#4	STR	28'-2"	35,392
D1	48	#6	STR	3'-0"	216
G1	4	#5	STR	21'-8"	90
H1	12	#4	STR	22'-2"	178
S1	10	#4	STR	21'-8"	145
S2	63	#4	5	3'-0"	126
S3	30	#5	STR	4'-6"	141
T1	15	#4	4	4'-9"	38
U1	22	#4	3	3'-11"	58
V1	22	#5	2	6'-0"	138
V2	22	#5	2	5'-2"	119
V3	4	#5	STR	14'-8"	61

REINFORCING STEEL LBS **151,350

PHASE C2&3-P1B CONSTRUCTION

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
A3	836	#4	1	4'-8"	2,606
A4	836	#4	1	4'-3"	2,373
A500	418	#4	STR	21'-8"	6,050
A600	418	#4	STR	21'-8"	6,050
A700	418	#4	STR	21'-8"	6,050
A800	418	#5	STR	21'-8"	9,446
B4	418	#4	STR	8'-5"	2,350
B5	836	#4	STR	6'-4"	3,537
B6	209	#4	STR	8'-5"	1,175
C2	616	#4	STR	28'-1"	11,556
E2	16	#4	STR	4'-0"	67

REINFORCING STEEL LBS 51,260

* QUANTITY INCLUDES HEADWALL, CURTAIN WALL, WING W1 AND COPING.

PROJECT NO. U-2524D
 GUILFORD COUNTY
 STATION: 9+04.29 -RPAY8-
 SHEET 4 OF 9



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**CULVERT #2&3
 DOUBLE 10' X 7' RCBC
 C2&3-P1 DETAILS**
 18°-16'-20" SKEW

DRAWN BY: M. SHAHIDI DATE: 7/5/16
 CHECKED BY: T. H. FANG DATE: 7/6/16
 DESIGN ENGINEER OF RECORD: P. K. NEWTON DATE: 7/13/16

DocuSigned by: Ting Fang 8/16/2016
 E7208840097435

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. C-17
 TOTAL SHEETS 34