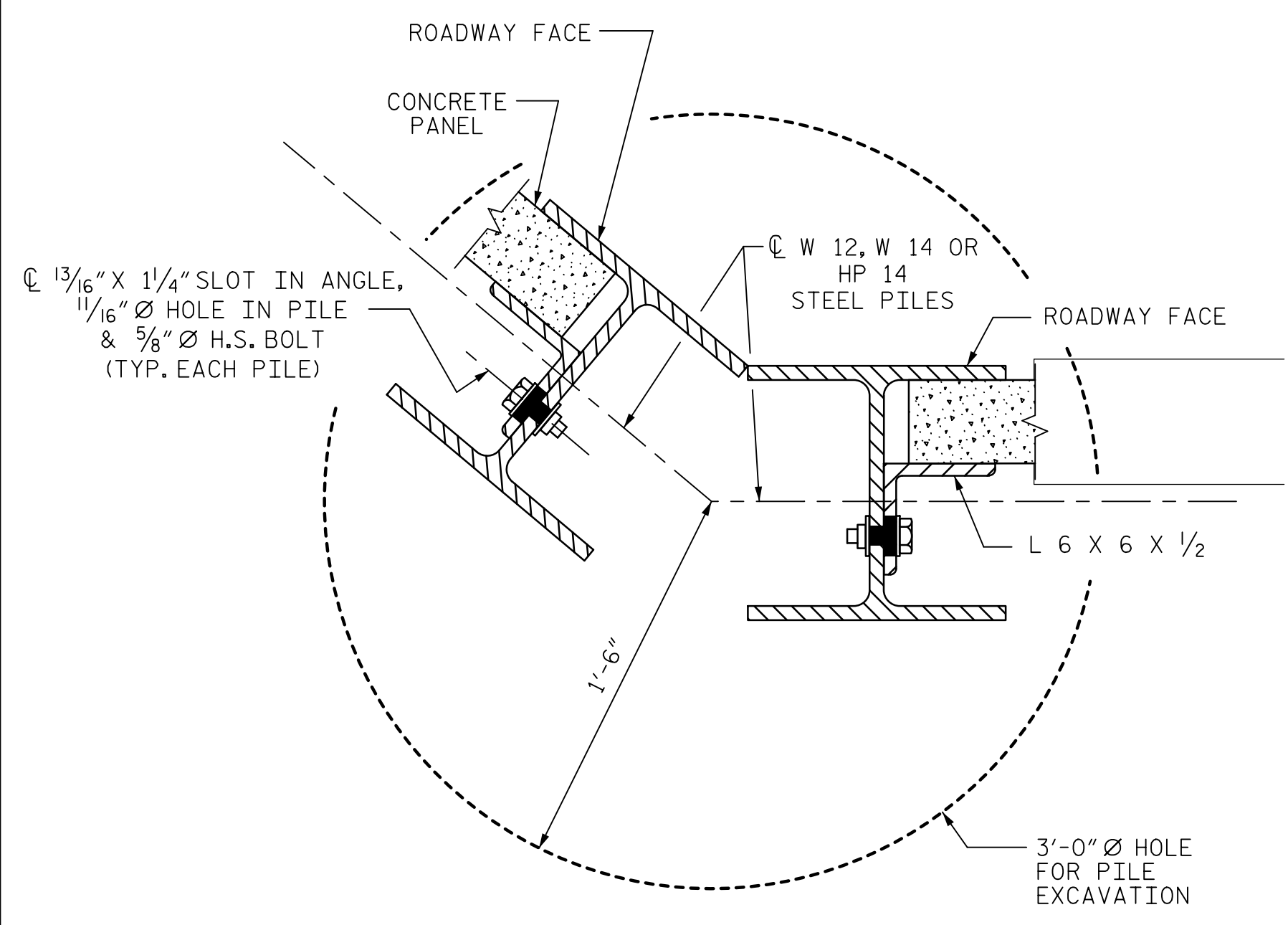
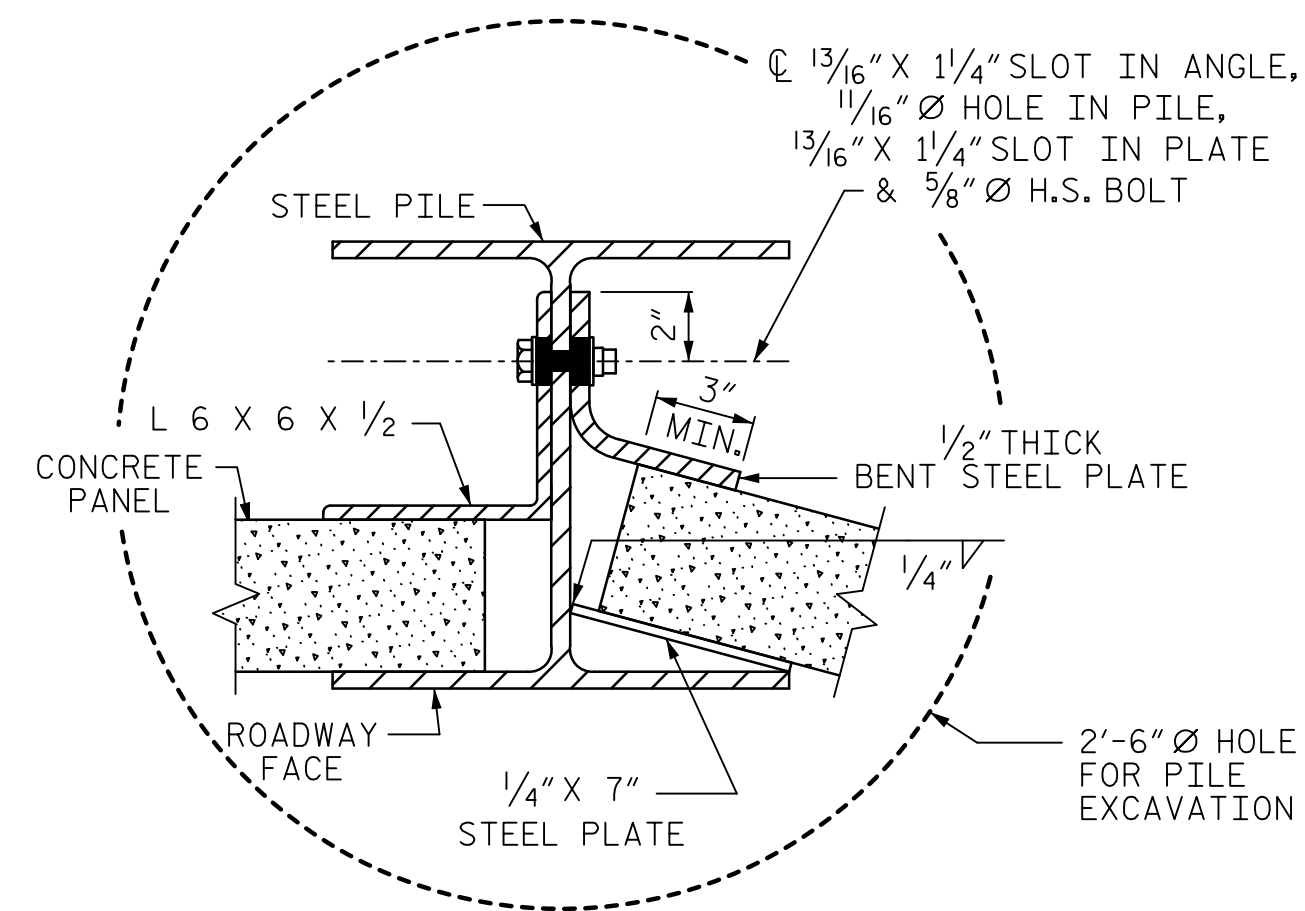


DATE: 1/11/2023  
TIME: 11:56:48 AM

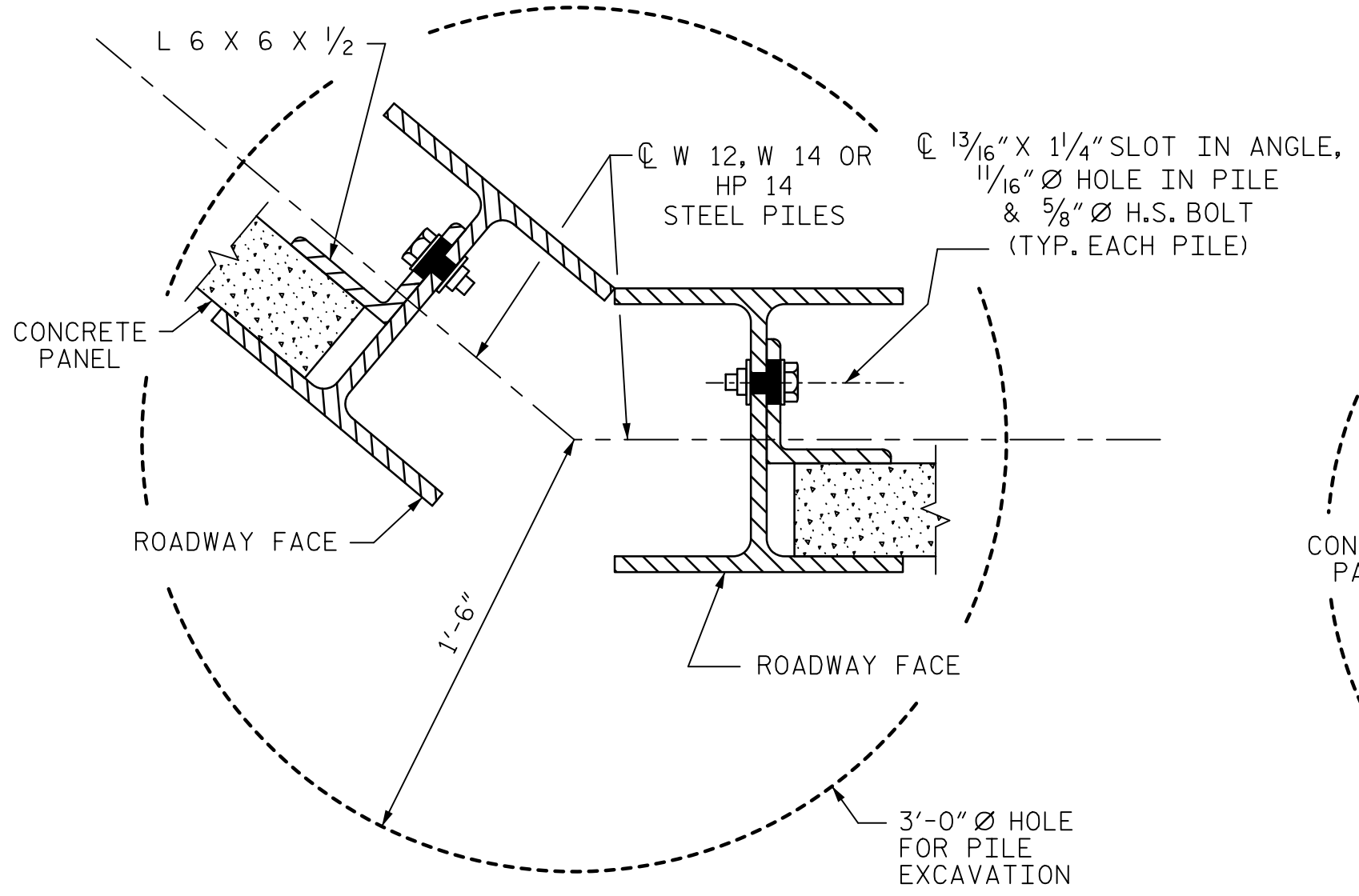
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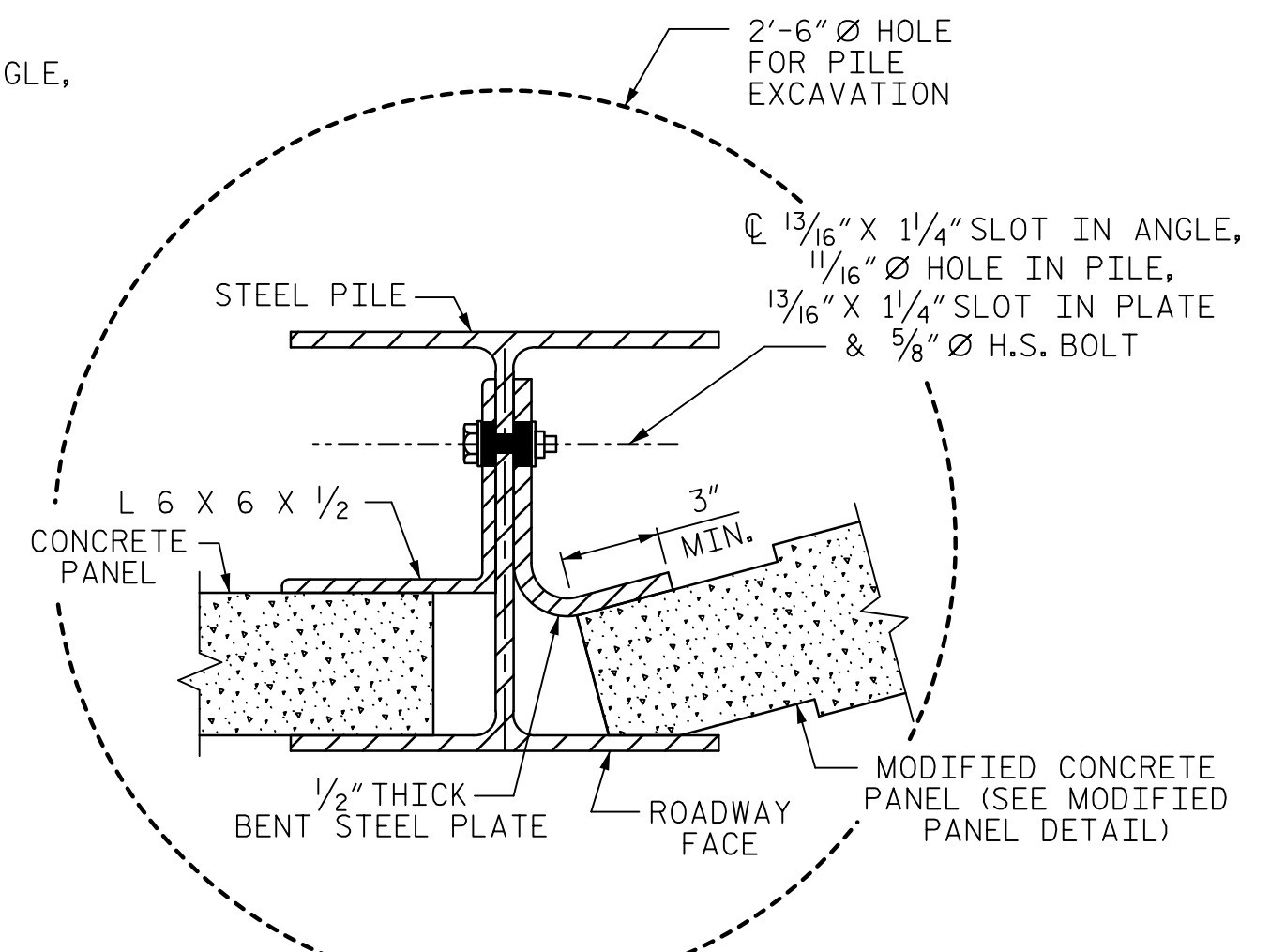
**TYPICAL WALL TURN DETAIL**  
(FOR GREATER THAN 15° TURNS, CONCAVE TOWARD ROADWAY)



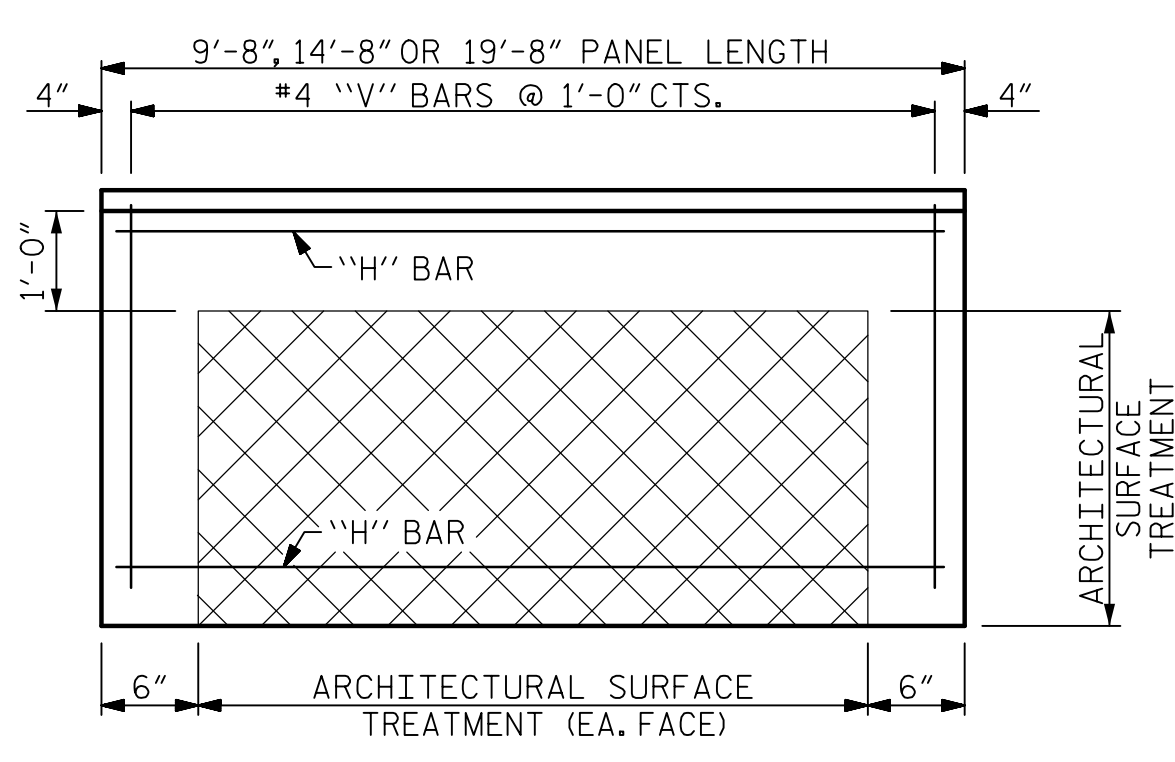
**TYPICAL WALL TURN DETAIL**  
(USE ONLY FOR TURNS 15° OR LESS, CONCAVE TOWARD ROADWAY)



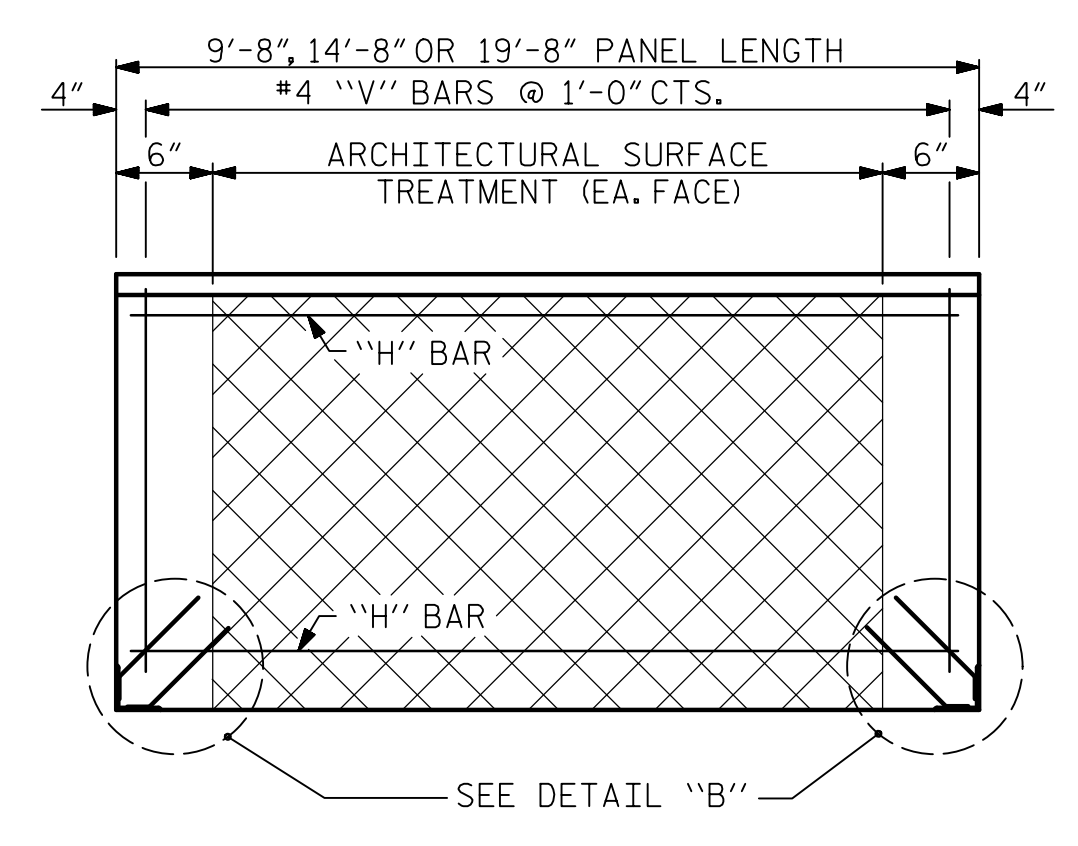
**TYPICAL WALL TURN DETAIL**  
(FOR GREATER THAN 15° TURNS, CONVEX TOWARD ROADWAY)



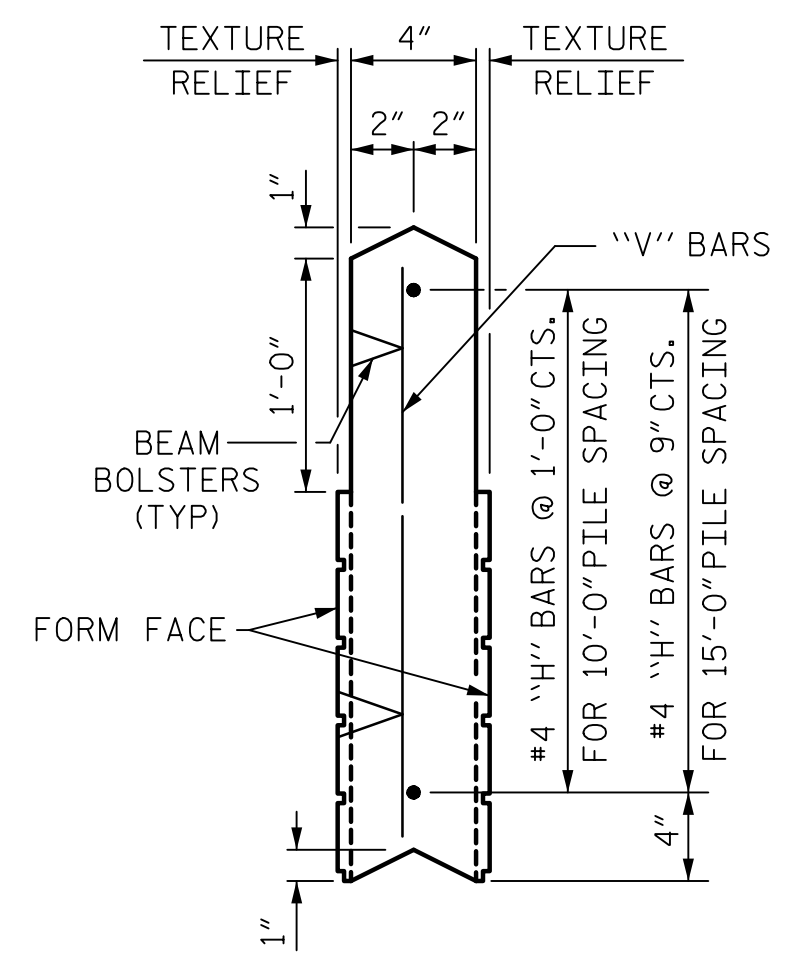
**TYPICAL WALL TURN DETAIL**  
(USE ONLY FOR TURNS 15° OR LESS, CONVEX TOWARD ROADWAY)



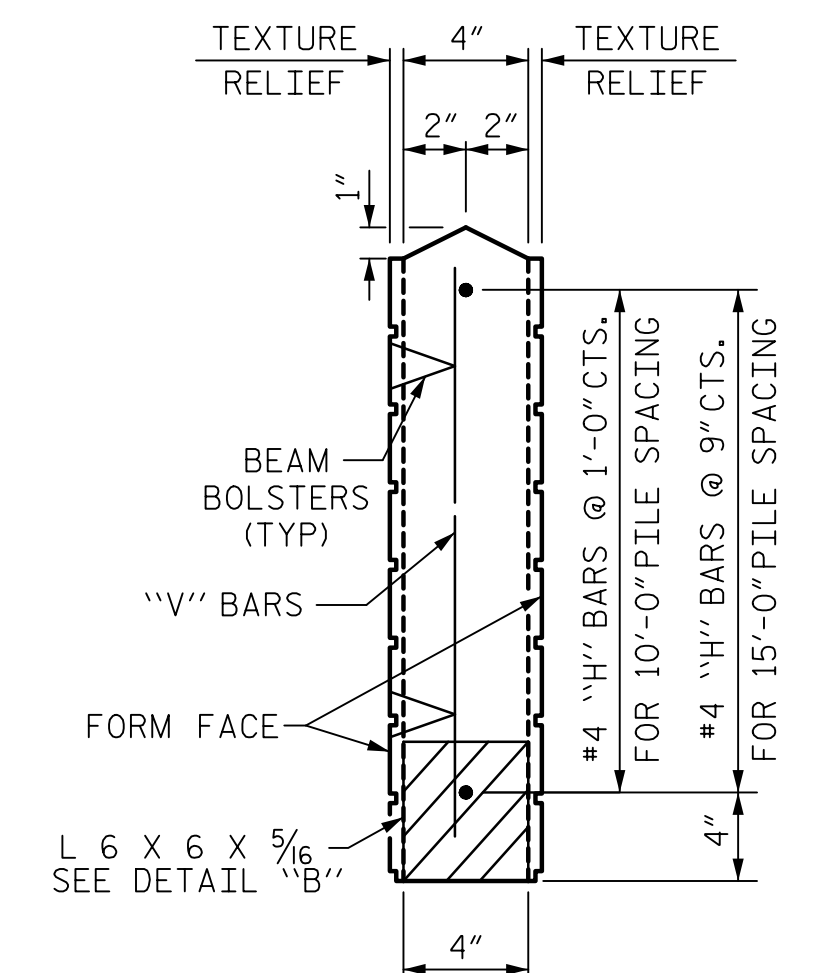
**FRONT ELEVATION OF UPPER PRECAST PANEL**



**FRONT ELEVATION OF BOTTOM PRECAST PANEL**

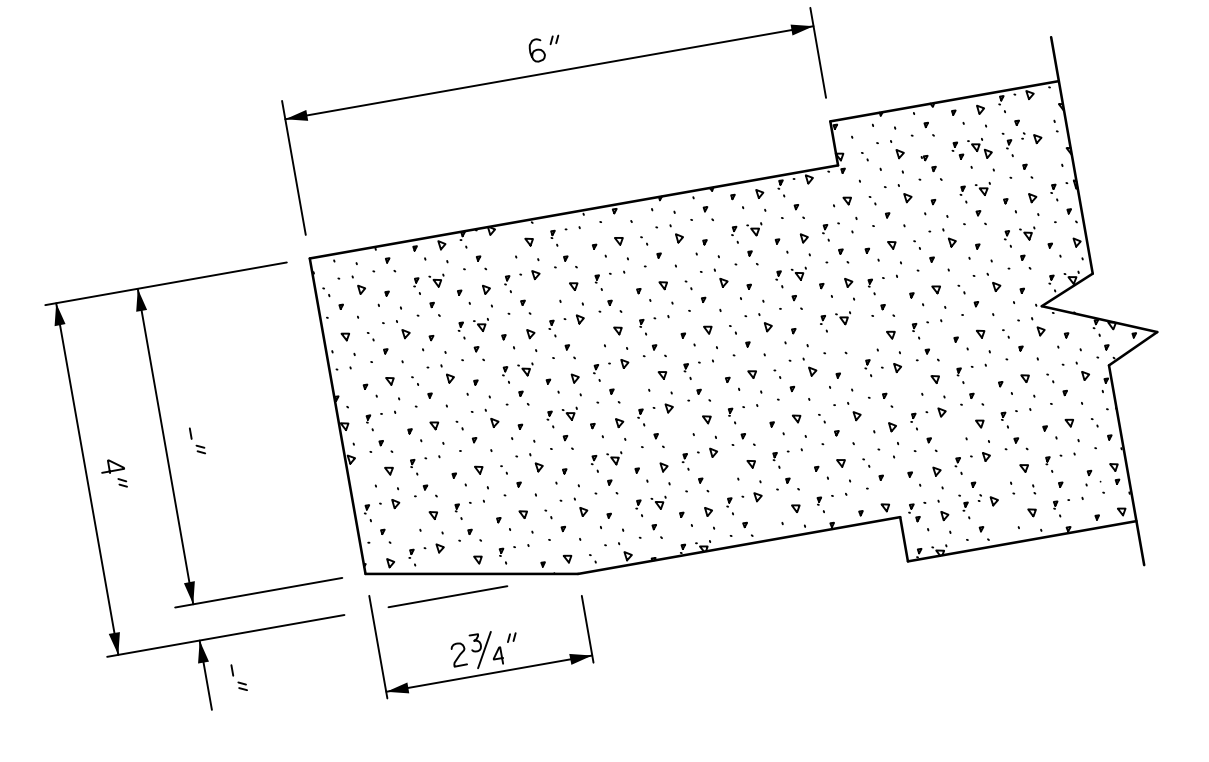


**UPPER PANEL**

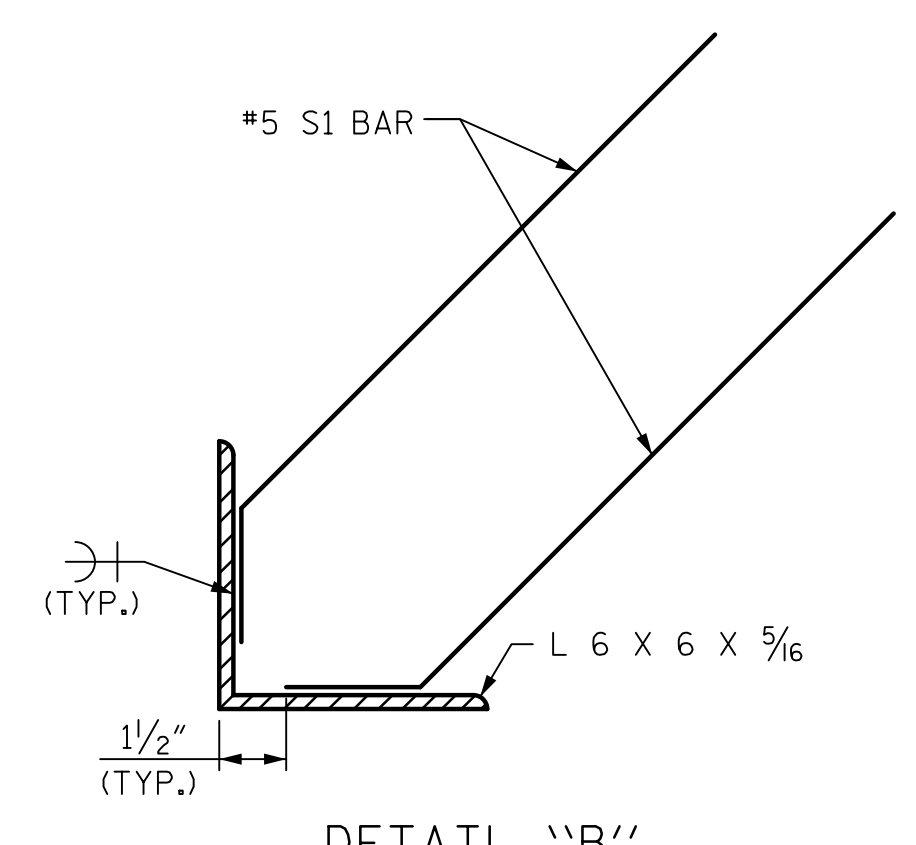


**BOTTOM PANEL**

**SECTION THROUGH PRECAST PANELS**



**MODIFIED PANEL DETAIL**  
(USE ONLY FOR TURNS 15° OR LESS, CONVEX TOWARD ROADWAY)



**DETAIL "B"**

QUANTITIES FOR ONE PRECAST PANEL (FOR 10'-0" PILE SPACING)

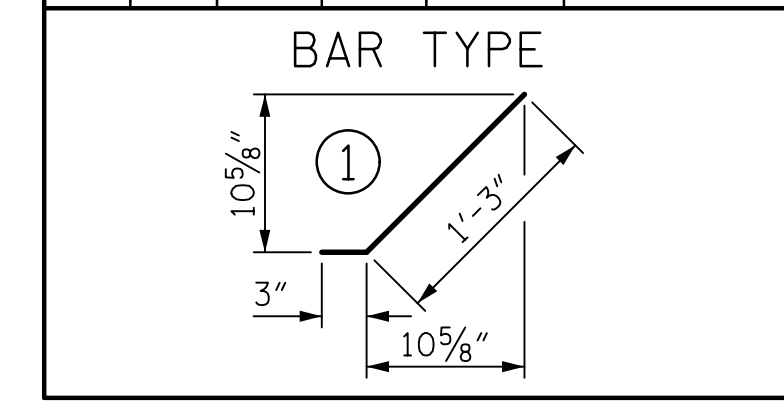
PANEL HEIGHT	CLASS AA CONCRETE	BAR TYPES											
		HORIZONTAL					VERTICAL						
C.Y.	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	
2'-0"	0.24	3	H1	#4	STR	9'-4"	19	11	V1	#4	STR	1'-8"	12
3'-0"	0.36	4	H2	#4	STR	9'-4"	25	11	V2	#4	STR	2'-8"	20
4'-0"	0.48	5	H3	#4	STR	9'-4"	31	11	V3	#4	STR	3'-8"	27

QUANTITIES FOR ONE PRECAST PANEL (FOR 15'-0" PILE SPACING)

PANEL HEIGHT	CLASS AA CONCRETE	BAR TYPES											
		HORIZONTAL					VERTICAL						
C.Y.	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	
3'-0"	0.54	5	H1	#4	STR	14'-4"	48	16	V1	#4	STR	2'-8"	29
4'-0"	0.72	6	H2	#4	STR	14'-4"	57	16	V2	#4	STR	3'-8"	39
5'-0"	0.91	7	H3	#4	STR	14'-4"	67	16	V3	#4	STR	4'-8"	50
6'-0"	1.09	8	H4	#4	STR	14'-4"	77	16	V4	#4	STR	5'-8"	61

ADDITIONAL BARS FOR ONE BOTTOM PANEL

NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)
4	S1	#5	1	1'-6"	6



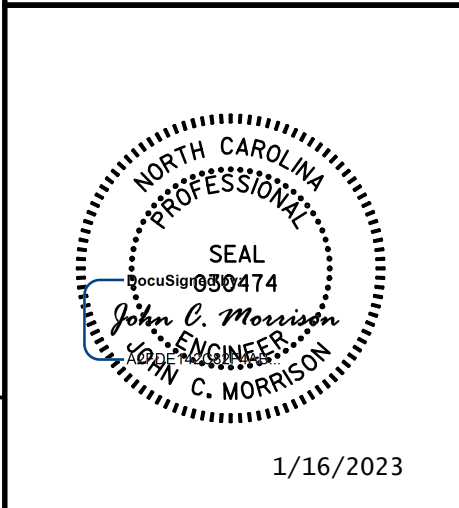
FOR NOTES, SEE SHEET SW-1

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : M. CATER DATE : 01/22  
CHECKED BY : J.C. MORRISON DATE : 01/22  
DRAWN BY : JAD 5/01 REV. 9/26/14 MAA/TMG  
CHECKED BY : RDR 5/01 REV. 10/17 MAA/THC  
REV. 5/18 MAA/THC

PROJECT NO. U-5748  
WAKE COUNTY  
STATION: 24+88.00 -L-

SHEET 2 OF 3



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

STANDARD  
SOUND BARRIER WALL  
(STEEL PILES)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SBW-2
1			3			TOTAL SHEETS
2			4			3