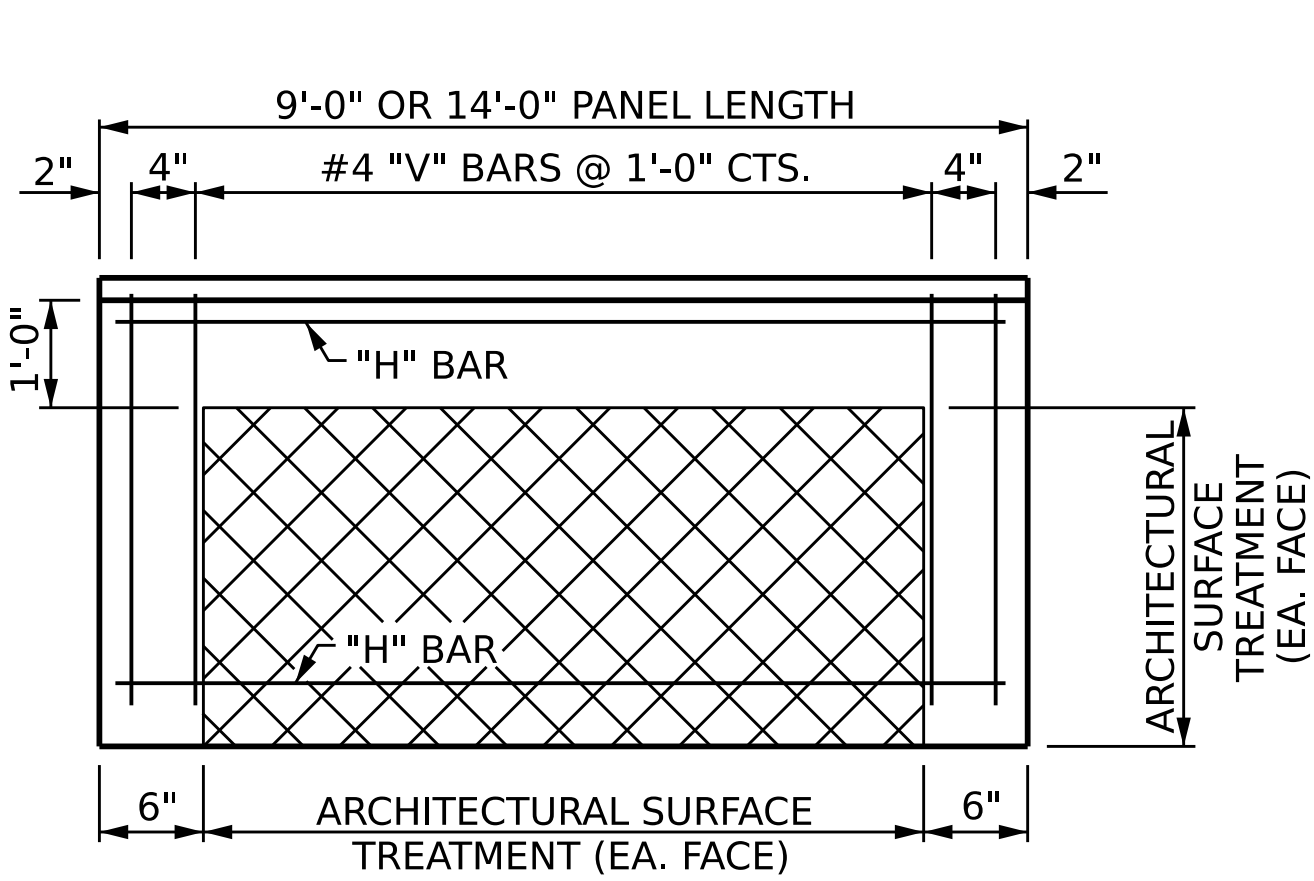
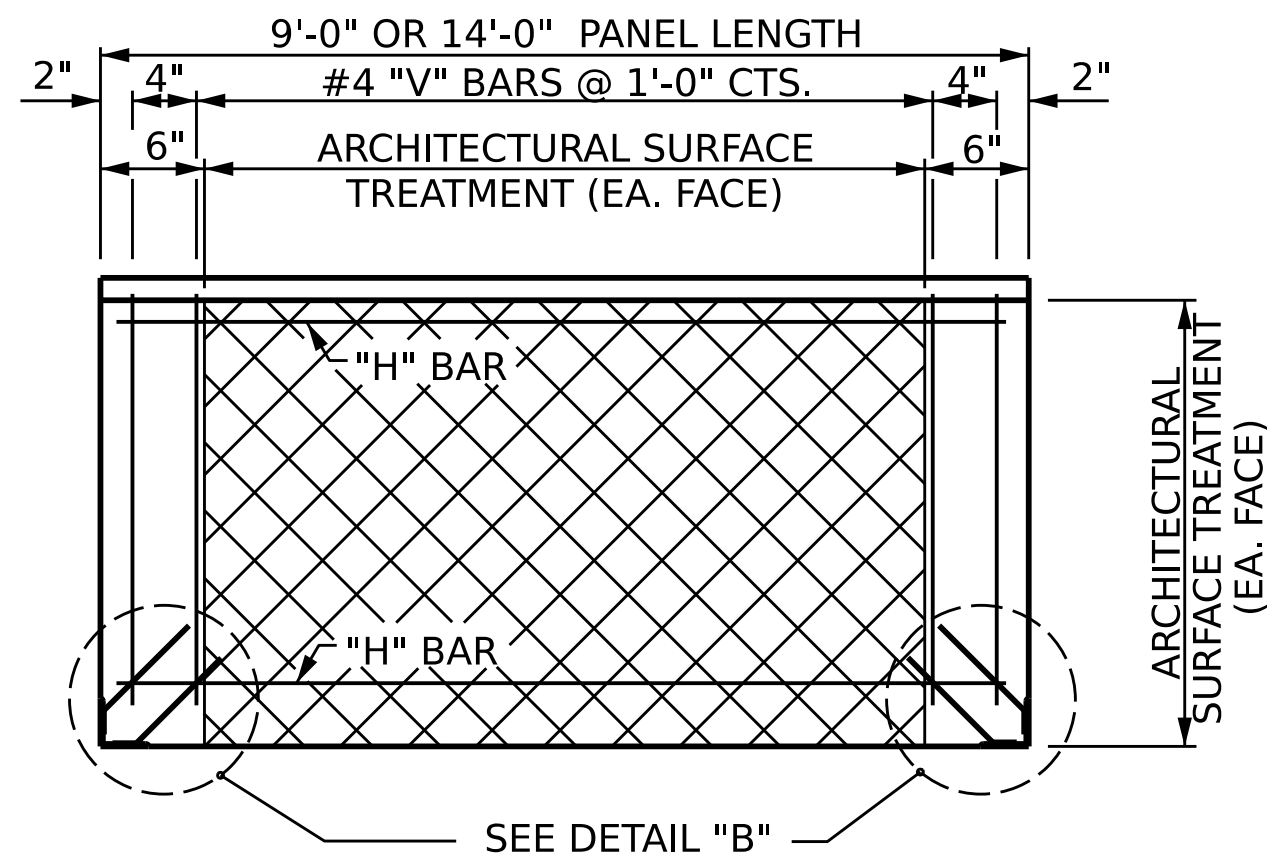
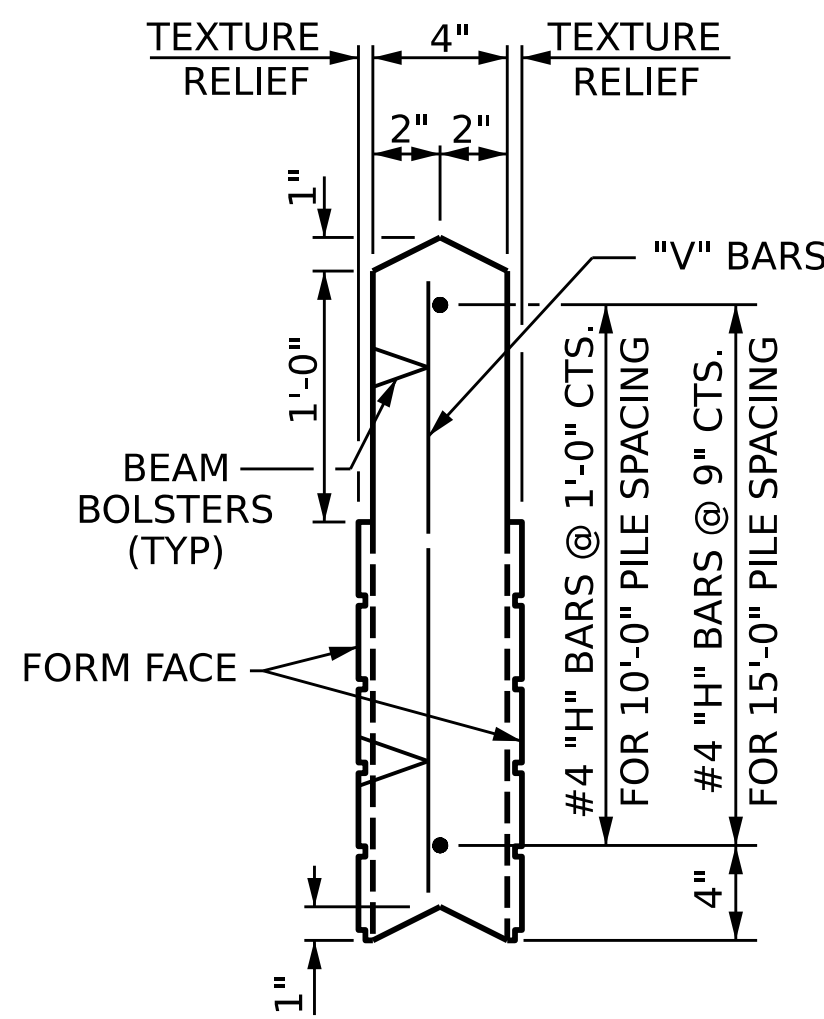




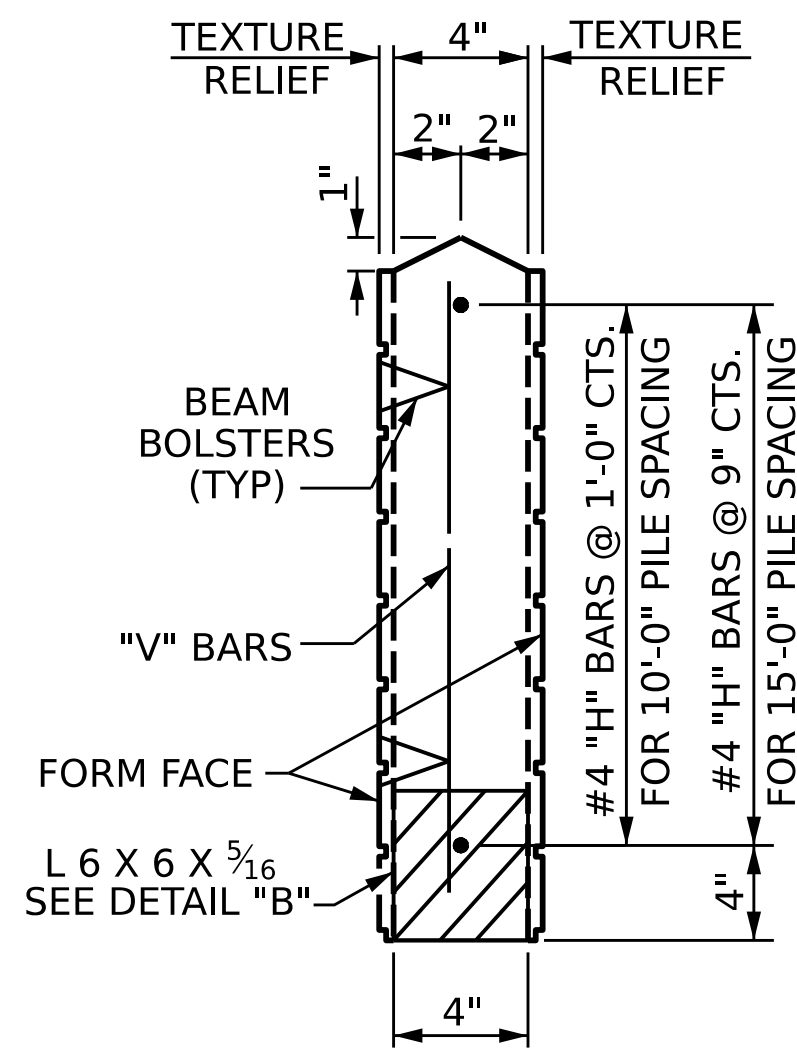
FRONT ELEVATION
OF UPPER PRECAST PANEL



FRONT ELEVATION
OF BOTTOM PRECAST PANEL

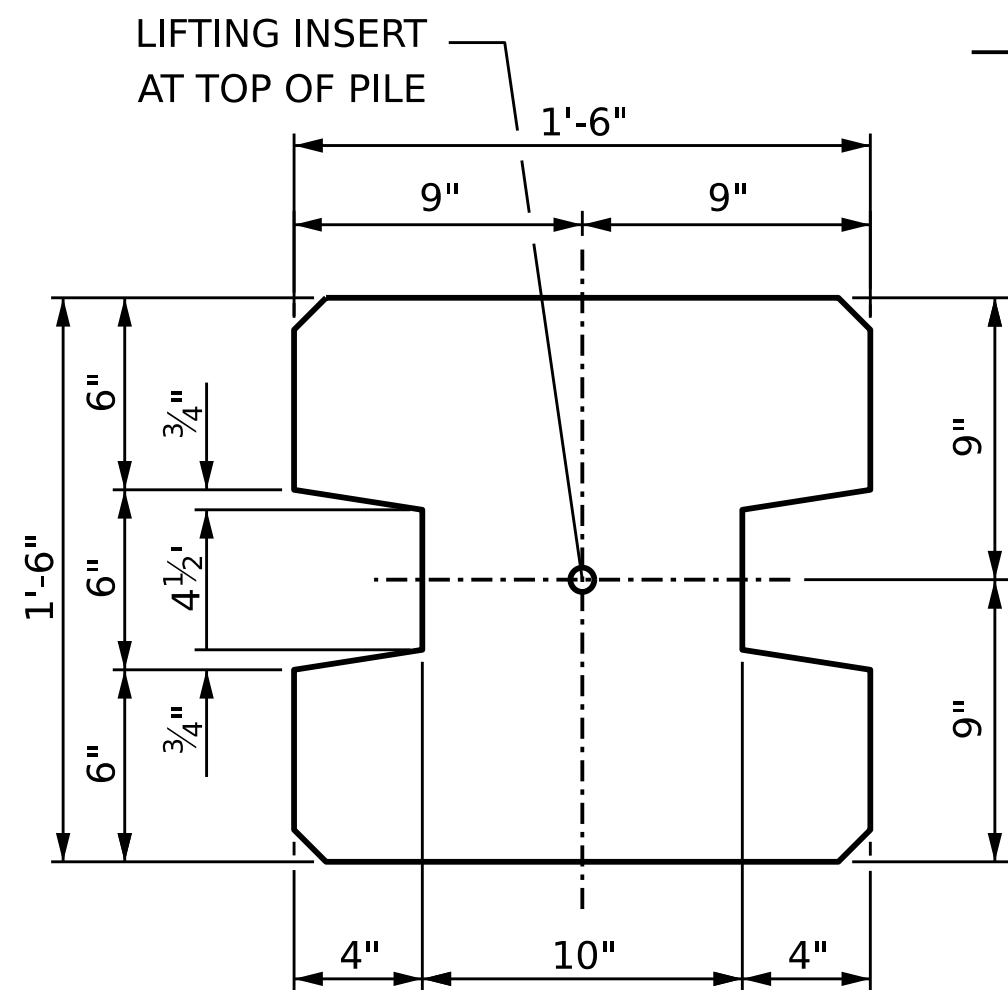


UPPER PANEL

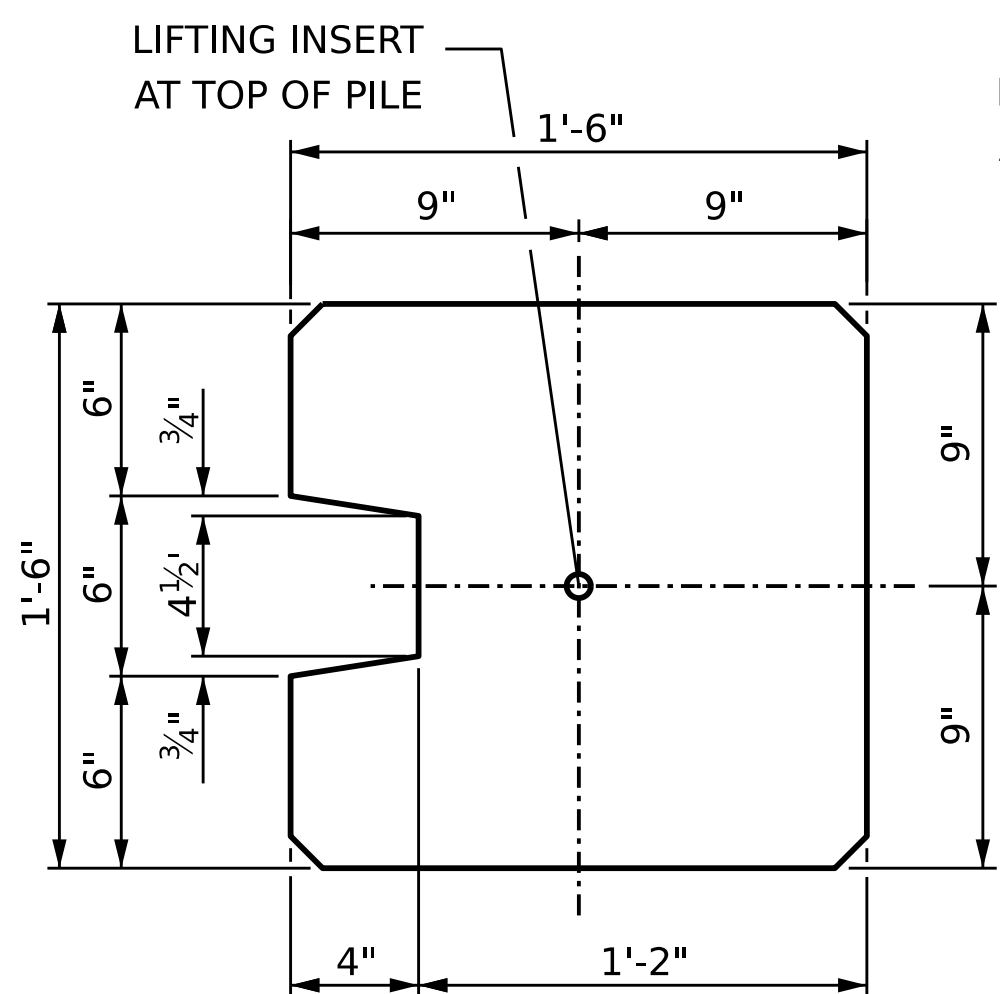


BOTTOM PANEL

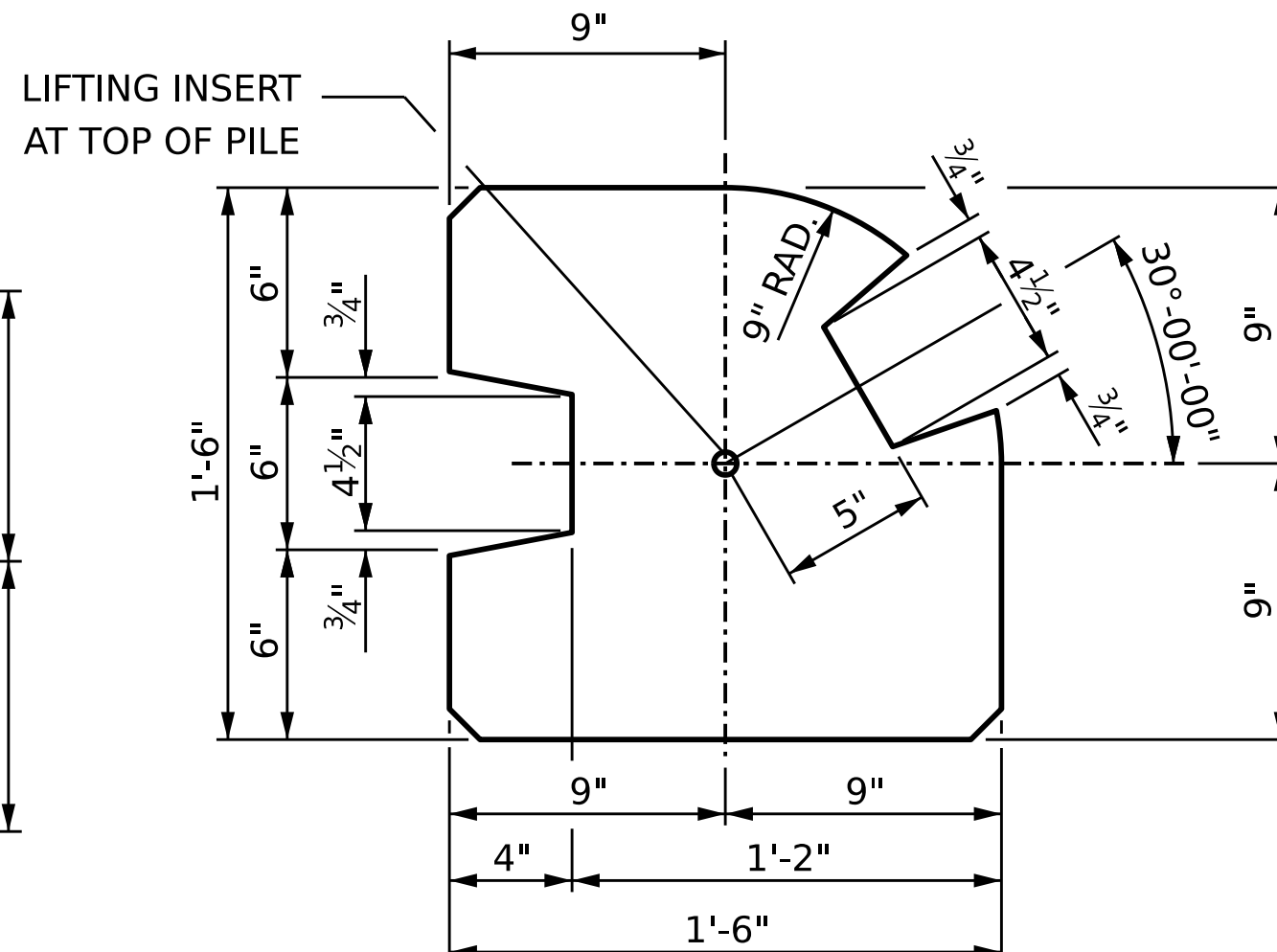
SECTION THROUGH PRECAST PANELS



TYPE - I
(AREA = 1.9444 SQ. FT.)



TYPE - II
(AREA = 2.0903 SQ. FT.)



TYPE - III
(AREA = 1.8336 SQ. FT.)

PILE DETAIL

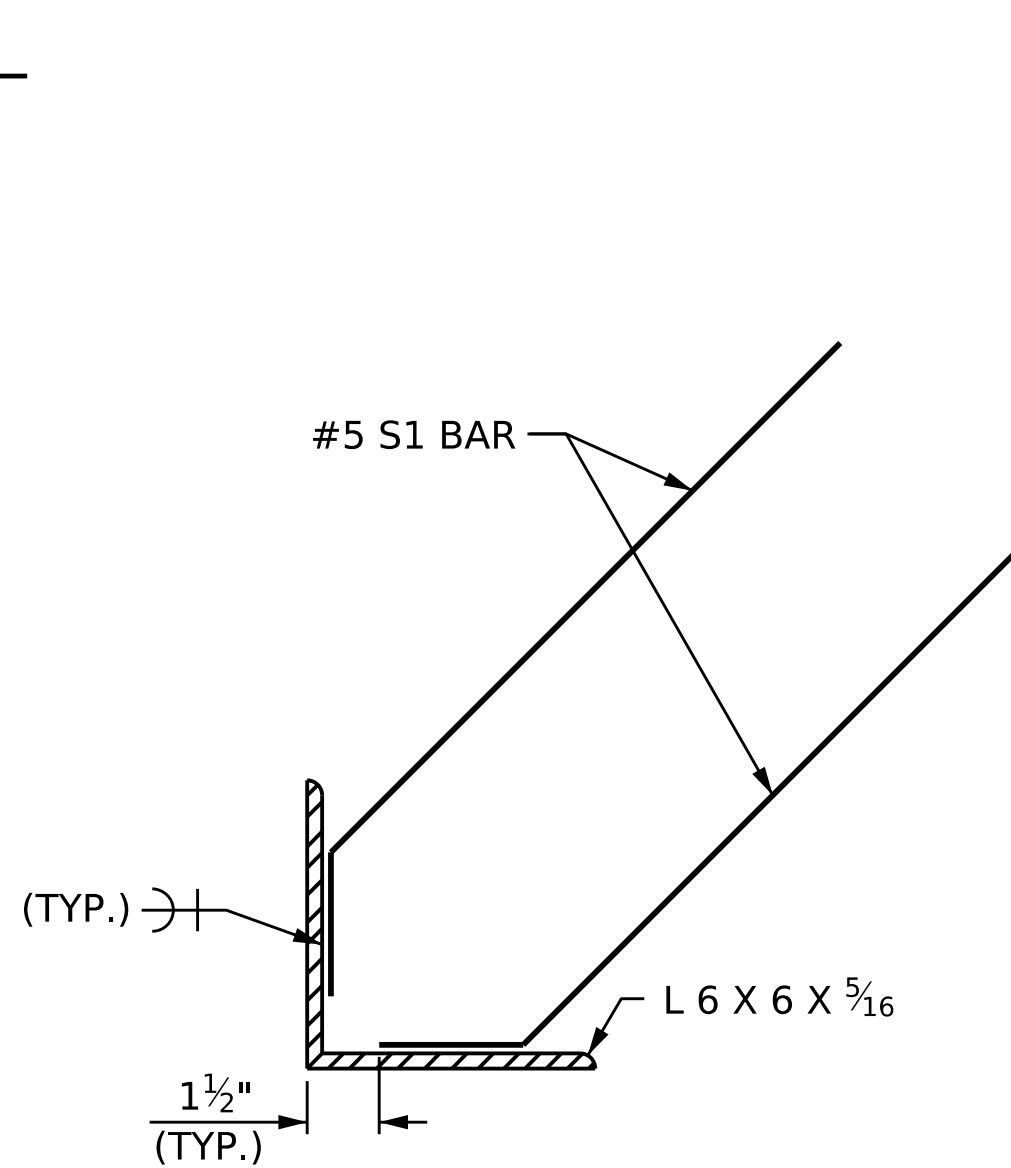
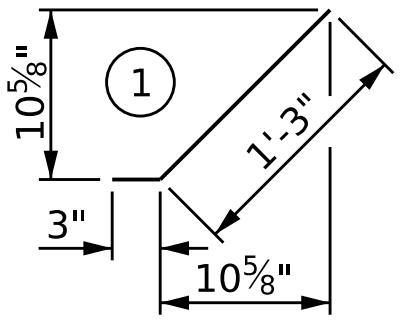
(ALL CORNERS TO BE CHAMFERED 1")

QUANTITIES FOR ONE PRECAST PANEL (FOR 10'-0" PILE SPACING)											
PANEL HEIGHT	CLASS AA CONCRETE	BAR TYPES									
	C.Y.	HORIZONTAL					VERTICAL				
		NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	NO.	BAR	SIZE	TYPE
2'-0"	0.22	3	H1	#4	STR	8'-8"	17	11	V1	#4	STR
3'-0"	0.33	4	H2	#4	STR	8'-8"	23	11	V2	#4	STR
4'-0"	0.44	5	H3	#4	STR	8'-8"	29	11	V3	#4	STR

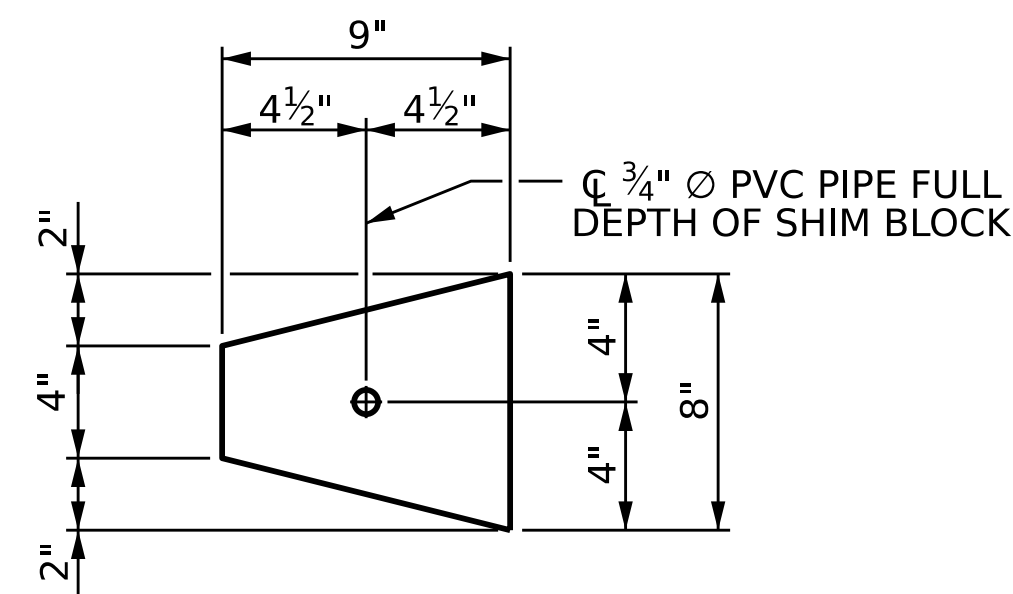
QUANTITIES FOR ONE PRECAST PANEL (FOR 15'-0" PILE SPACING)											
PANEL HEIGHT	CLASS AA CONCRETE	BAR TYPES									
	C.Y.	HORIZONTAL					VERTICAL				
		NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)	NO.	BAR	SIZE	TYPE
3'-0"	0.52	5	H1	#4	STR	13'-8"	46	16	V1	#4	STR
4'-0"	0.69	6	H2	#4	STR	13'-8"	55	16	V2	#4	STR
5'-0"	0.86	7	H3	#4	STR	13'-8"	64	16	V3	#4	STR
6'-0"	1.04	8	H4	#4	STR	13'-8"	73	16	V4	#4	STR

ADDITIONAL BARS FOR ONE BOTTOM PANEL					
NO.	BAR	SIZE	TYPE	LENGTH	WEIGHT (lb)
4	S1	#5	1	1'-6"	6

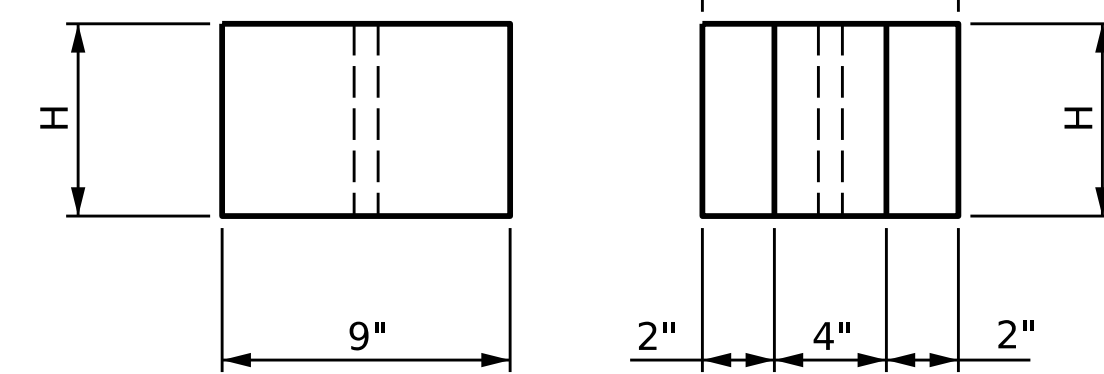
BAR TYPE



DETAIL "B"



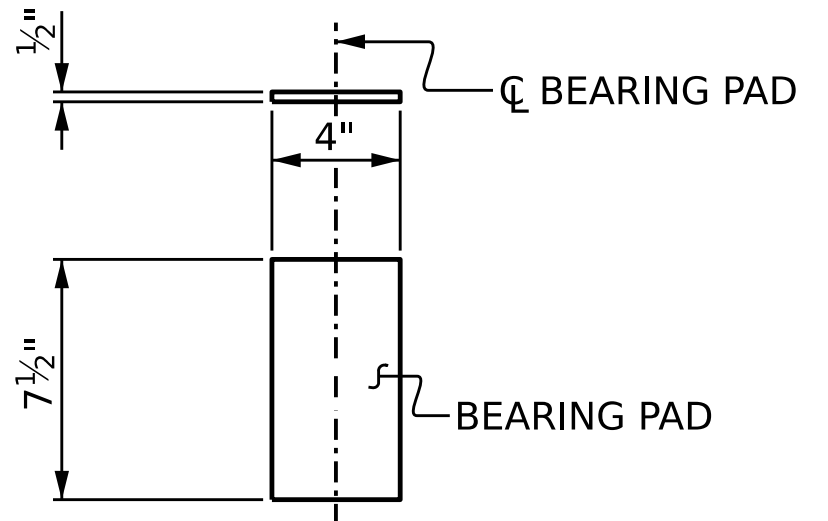
PLAN



END

CONCRETE SHIM BLOCK

H = 3", 6" or 1'-0"



ELASTOMERIC
BEARING DETAILS

ELASTOMER IN BEARINGS SHALL
BE 50 DUROMETER HARDNESS.

PROJECT NO. **U-6187**
DAVIE COUNTY
STATION: **55+70.73 -Y2-**

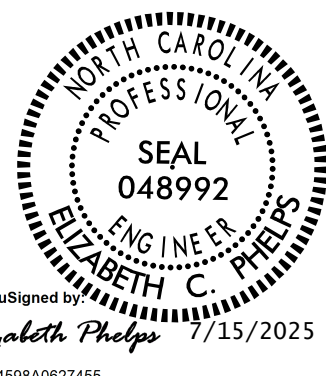
SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
**SOUND BARRIER WALL
DETAILS**
(CONCRETE PILES)

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

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



STD. NO. SBW2

DRAWN BY : C.P. MALAGON DATE : 04/2025
CHECKED BY : E.C. PHELPS DATE : 06/2025
DESIGN ENGINEER OF RECORD : E.C. PHELPS DATE : 07/2025



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