

10/26/04

PROJ. REFERENCE NO. B-3685	SHEET NO. 21	TOTAL SHEETS
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

BILL OF MATERIALS

PRECAST CONCRETE PANELS

BAR NO.	NO.	SIZE	TYPE	LENGTH (FT)	WEIGHT (LB)
H1	68	#4	STR	9.17	425.7
V1	38	#4	STR	2.66	69.2
V2	133	#4	STR	3.66	333.0
SP	50	#4	STR	VAR	122.1

REINFORCING STEEL	LBS	950.0
CLASS 'A' CONCRETE	CUBIC YARDS	6.9

C.I.P. COPING

A	B	C	NO.	SIZE	TYPE	LENGTH (FT)	WEIGHT (LB)
A	39	#5	STR	20.00	835.0		
B	112	#4	B	2.83	203.9		
C	4	#5	C	4.83	20.6		

REINFORCING STEEL (COPING)	LBS	1059.5
CLASS 'A' CONCRETE (COPING)	CUBIC YARDS	5.5

ESTIMATED QUANTITIES

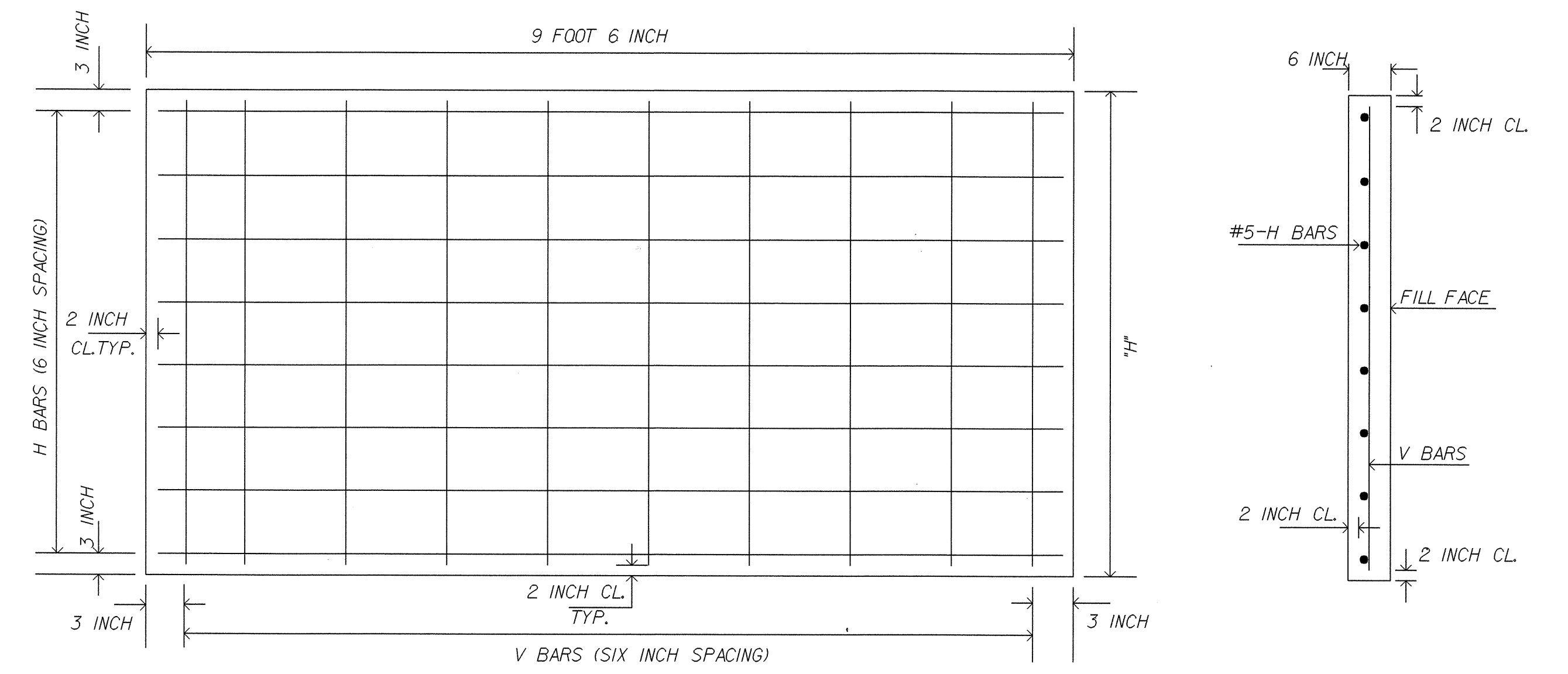
C.I.P. COPING	LINEAR FEET	112.0
*57 STONE BACKFILL	CUBIC YARDS	25.9

PRECAST CONCRETE PANEL TYPE 'A1'	NO.	2
PRECAST CONCRETE PANEL TYPE 'B1'	NO.	7
PRECAST CONCRETE PANEL TYPE 'S1'	NO.	1
PRECAST CONCRETE PANEL TYPE 'S2'	NO.	1

HP 12X53 STEEL PILES	NO. = 12	LF = 92
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PILE ELEVATIONS AND PANEL TYPES

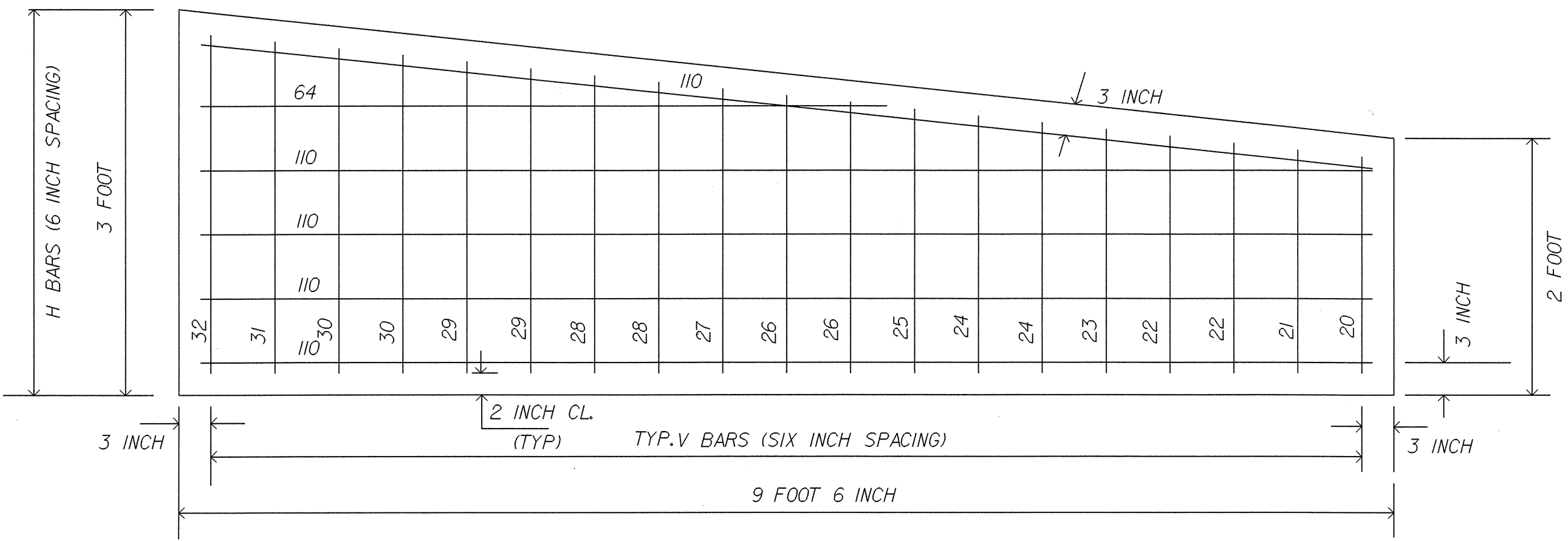
PILE STATION	PILE NO.	PILE SIZE	TIP ELEV (FT)	TOP OF CONCRETE (FT)	CUTOFF ELEV (FT)	PILE LENGTH (FT)	PANEL TYPE
11+50	1	HP12X53	27	30.1	33.0	6.0	
11+60	2	HP12X53	27	29.8	34.0	7.0	S1
11+70	3	HP12X53	26	29.6	34.0	8.0	A1
11+80	4	HP12X53	26	29.1	33.9	7.9	A1
11+90	5	HP12X53	26	28.8	33.9	7.9	B1
12+00	6	HP12X53	26	28.8	33.8	7.8	B1
12+10	7	HP12X53	26	28.6	33.6	7.6	B1
12+20	8	HP12X53	25	28.3	33.4	8.4	B1
12+30	9	HP12X53	25	28.1	33.2	8.2	B1
12+40	10	HP12X53	25	28.1	33.0	8.0	B1
12+50	11	HP12X53	25	28.1	32.9	7.9	B1
12+60	12	HP12X53	25	28.1	31.9	6.9	S2



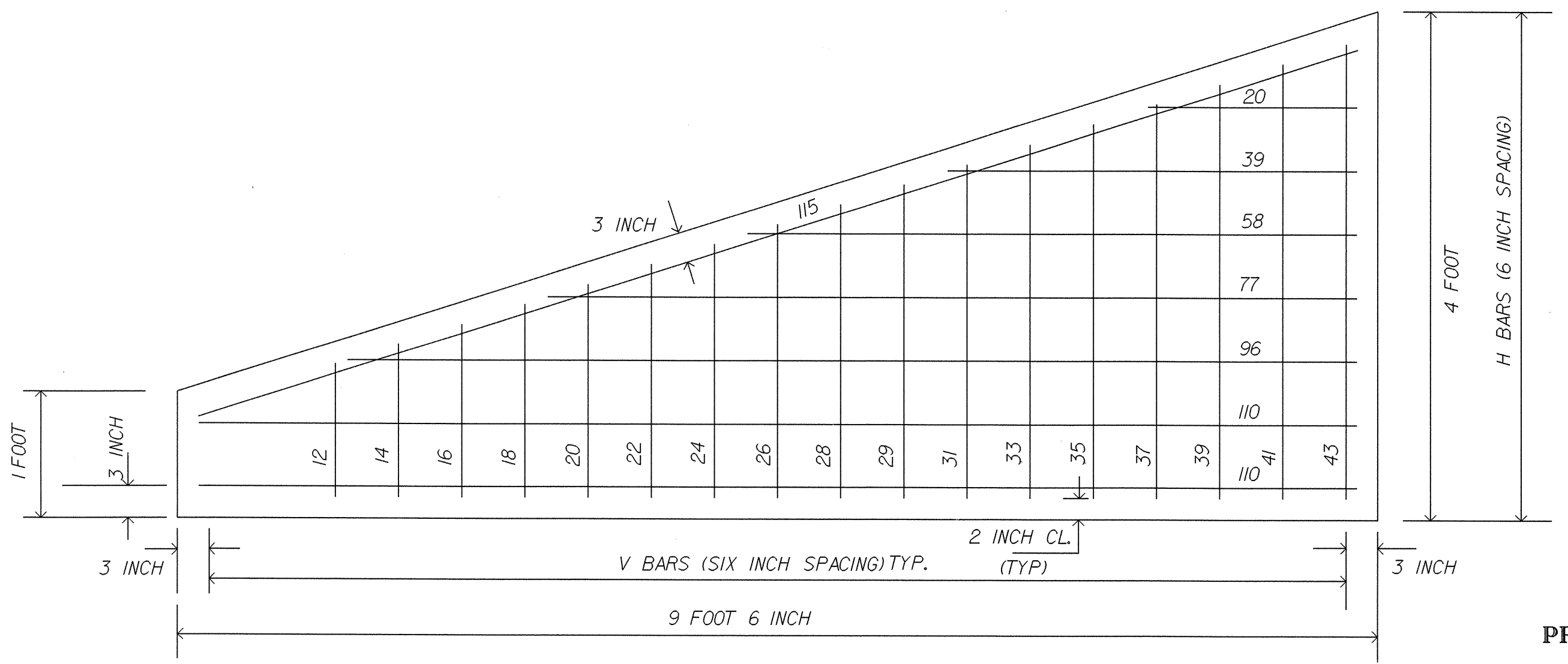
TYPICAL PRECAST PANEL DETAIL
N.T.S.

TABLE I
PRECAST PANELS

PANEL TYPE	"H" (ft)	"L" (ft)	BAR TYPES				CONC. CUBIC YARDS PER PANEL
			HORIZONTAL		VERTICAL		
			NO. PER PANEL	SPACING C-C (in)	NO. PER PANEL	SPACING C-C (in)	
A1	3.0	9.5	6-H1	6	19-V1	6	0.53
B1	4.0	9.5	8-H1	6	19-V2	6	0.70
S1	3.0	9.5	6-Spec	6	19-Spec	6	0.44
S2	4.0	9.5	8-Spec	6	17-Spec	6	0.44



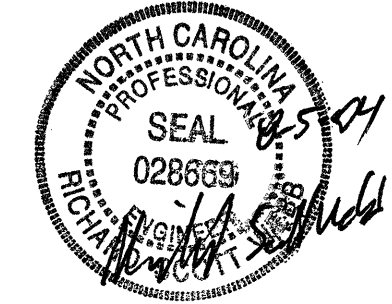
TYPE S1 PRECAST PANEL DETAIL
(BACKFACE)



TYPE S2 PRECAST PANEL DETAIL
(BACKFACE)

NOTE: NUMBERS SHOWN ON PANELS ARE BAR LENGTHS IN INCHES

PROJECT B-3685
PITT COUNTY
STATION 11+50 TO 12+60 -L-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
PILE/PANEL WALL
DRAWN BY RSW DATE 7 / 04
CHECKED BY ADS DATE 7 / 04
SHEET 2 OF 2