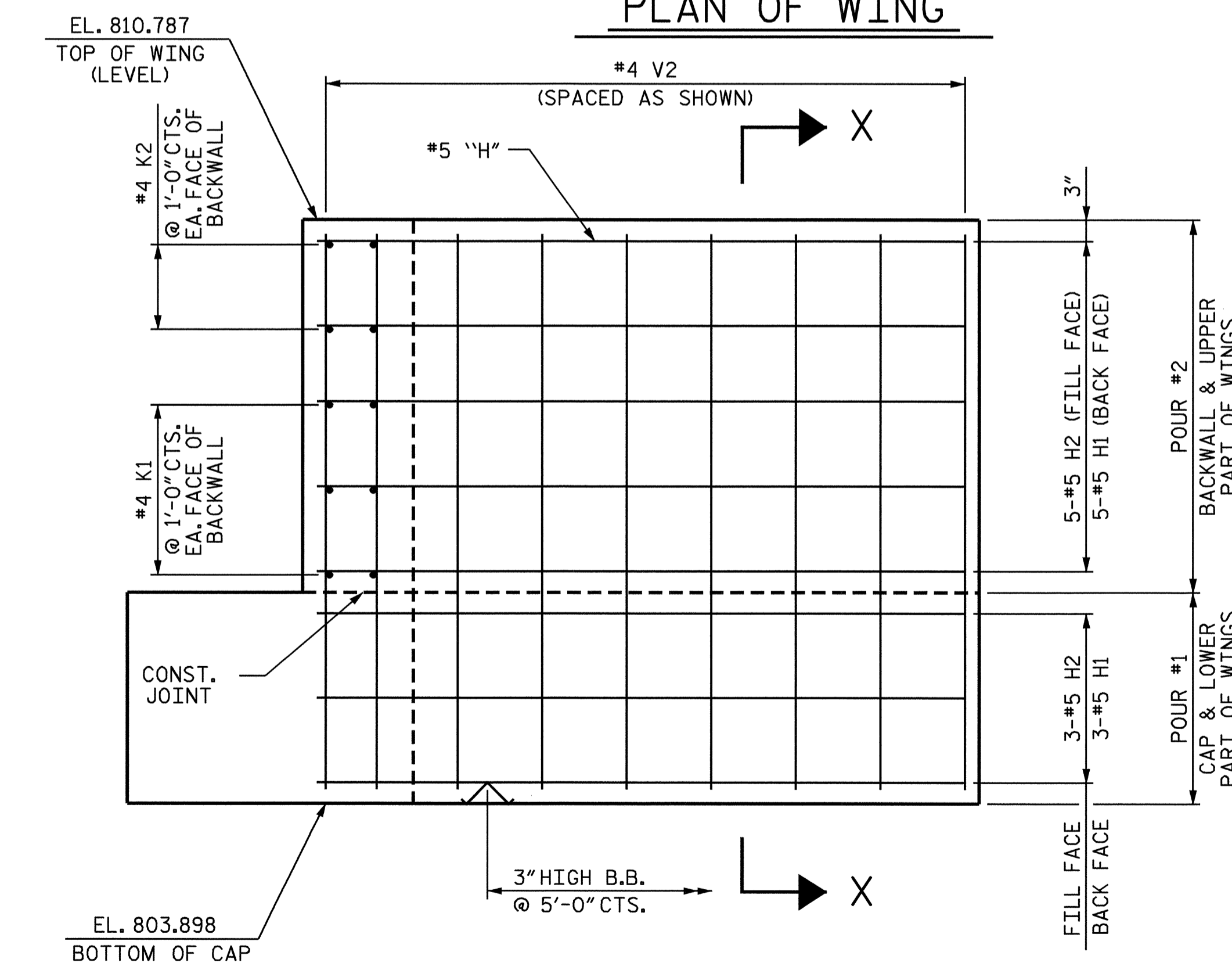
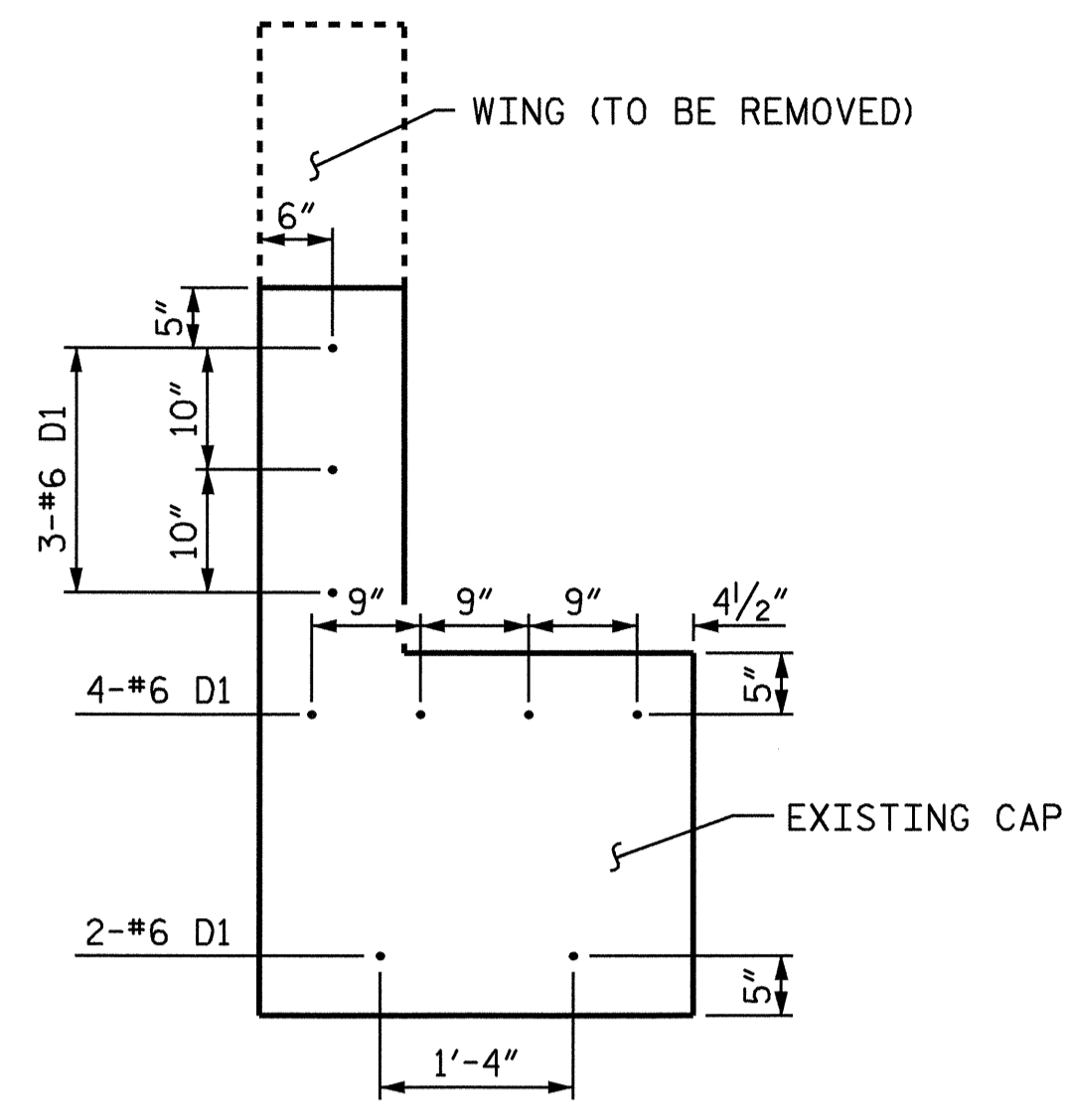


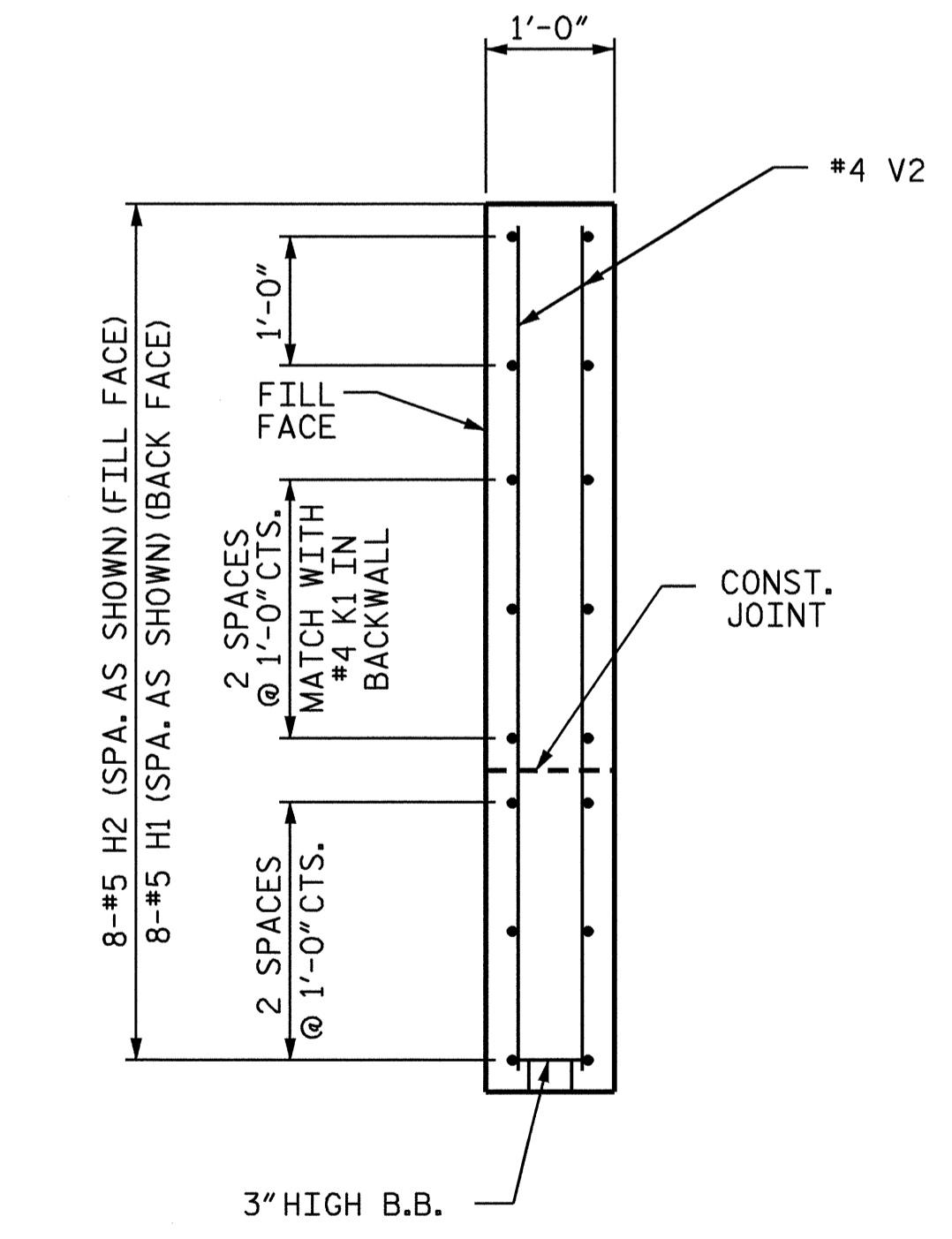
PLAN OF WING



ELEVATION OF WING



DOWEL DETAIL



SECTION X-X

BAR TYPES

BILL OF MATERIAL

END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	21'-10"	594
B2	4	#4	STR.	19'-5"	52
B3	4	#4	STR.	19'-8"	53
B4	10	#4	STR.	2'-8"	18
D1	9	#6	STR.	2'-6"	34
H1	8	#5	2	8'-3"	69
H2	8	#5	2	8'-1"	67
K1	6	#4	STR.	19'-4"	77
K2	4	#4	STR.	4'-0"	11
S1	19	#4	3	3'-5"	43
S2	19	#4	4	7'-8"	97
S3	8	#4	5	6'-6"	35
U1	15	#4	6	3'-8"	37
U2	5	#4	6	5'-8"	19
V1	30	#5	STR.	4'-8"	146
V2	26	#4	STR.	6'-6"	113

REINFORCING STEEL = 1465 LBS

CLASS A CONCRETE

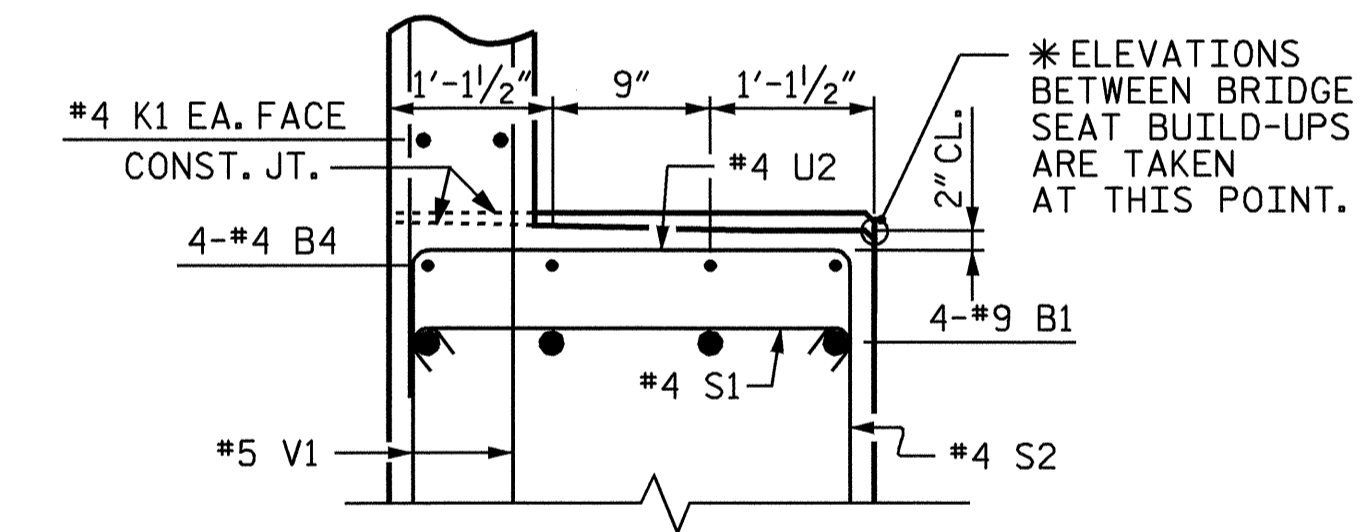
POUR #1 6.5 CU. YDS.
CAP & LOWER PART OF WINGS

POUR #2 3.3 CU. YDS.
BACKWALL & UPPER PART OF WINGS

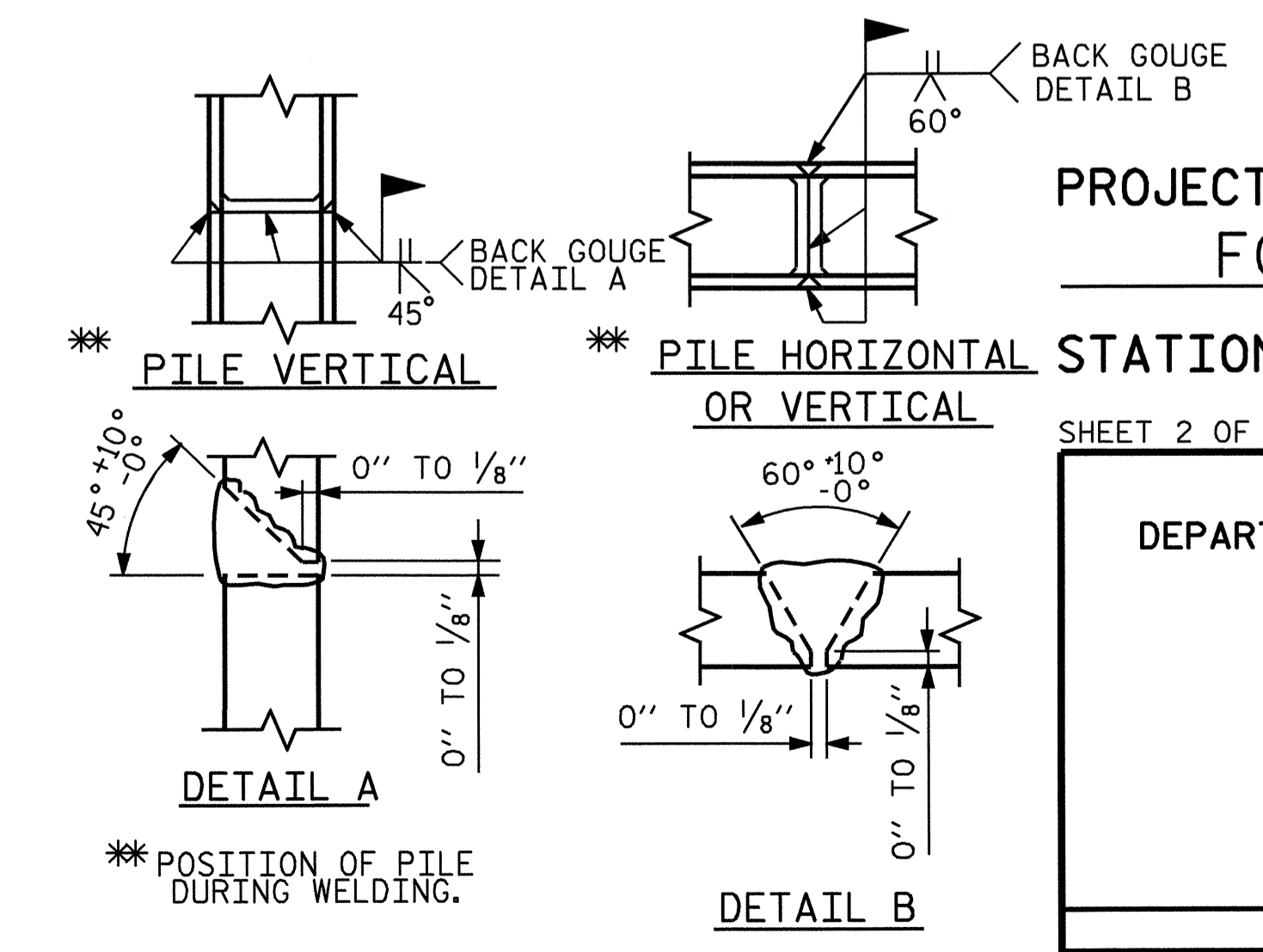
TOTAL 9.8 CU. YDS.

HP 12 x 53 STEEL PILES
NO. 4 160 FEET

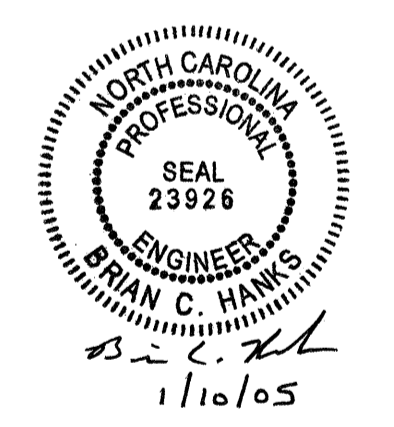
ALL BAR DIMENSIONS ARE OUT TO OUT.



SECTION B-B



PILE SPLICE DETAILS



PROJECT NO. U-3837
FORSYTH COUNTY
 STATION: 21+64.07 -L-
 SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT 1

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

TOTAL SHEETS 78

DRAWN BY: D. G. ELY DATE: 4/06/04
 CHECKED BY: W. F. PARKER DATE: 06/04