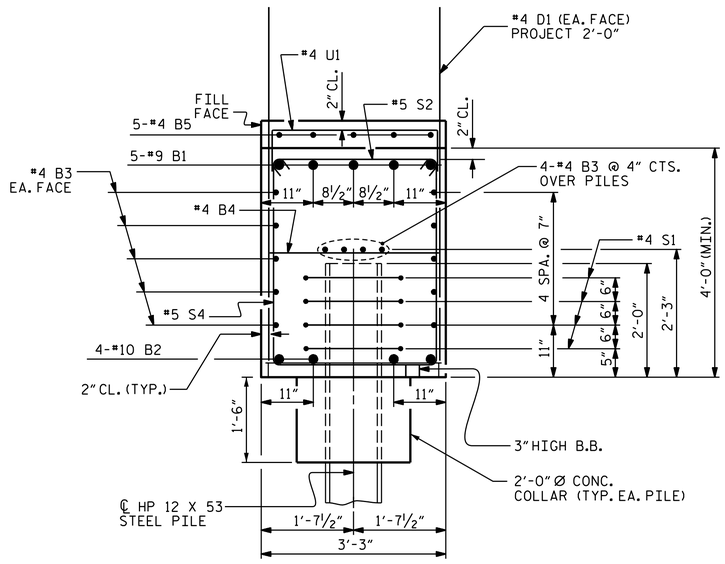
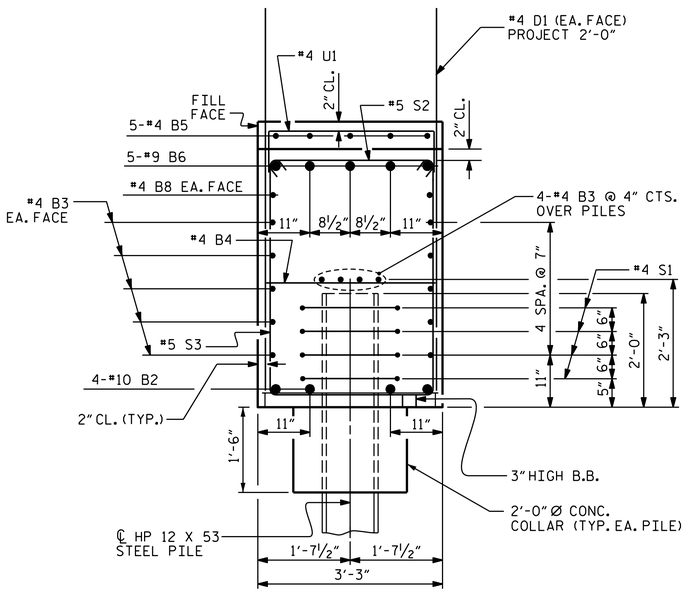
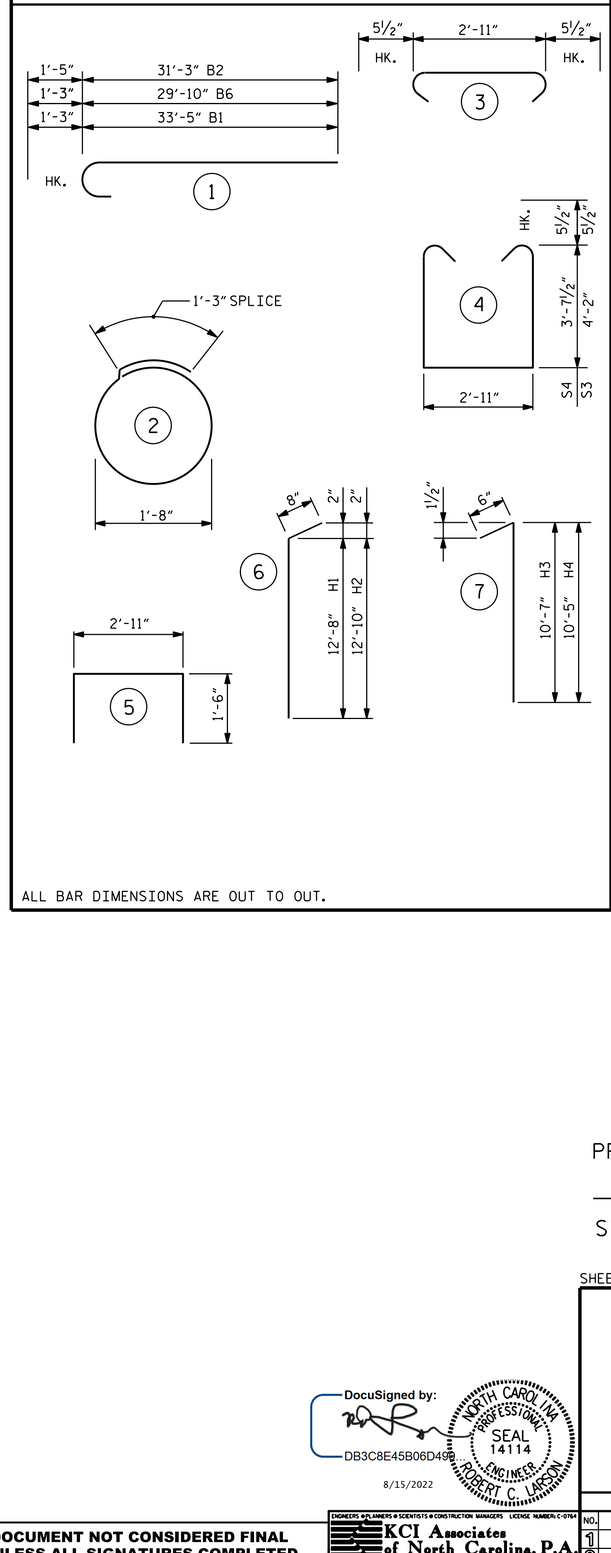


SECTION A-A



SECTION B-B

BAR TYPES



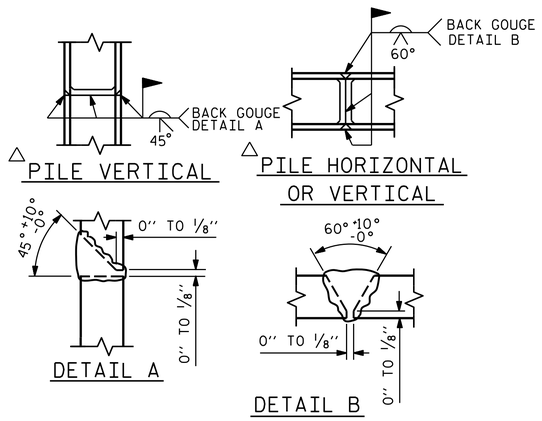
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	9	1	34'-8"	589
B2	8	10	1	32'-8"	1125
B3	28	4	STR.	30'-2"	564
B4	16	4	STR.	2'-11"	31
B5	10	4	STR.	12'-0"	80
B6	5	9	1	31'-1"	528
B7	5	4	STR.	7'-5"	25
B8	2	4	STR.	26'-11"	36
D1	80	4	STR.	5'-10"	312
H1	22	6	6	13'-4"	441
H2	22	6	6	13'-6"	446
H3	14	5	7	11'-1"	162
H4	14	5	7	10'-11"	159
K1	24	4	STR.	2'-9"	44
S1	28	4	2	6'-6"	122
S2	48	5	3	3'-10"	192
S3	24	5	4	12'-2"	305
S4	24	5	4	11'-1"	277
U1	22	4	5	5'-11"	87
V1	32	5	STR.	10'-10"	362
V2	28	5	STR.	9'-8"	282

REINFORCING STEEL, LBS.	6169
CLASS A CONCRETE, CY	
POUR 1 (CAP, LOWER PORTION OF WINGS AND COLLARS)	36.4
POUR 2 (UPPER PORTION OF WINGS)	6.3
TOTAL	42.7
HP 12X53 STEEL PILES NO.	7
L.F.	420
PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES, EA.	7
PILE REDRIVES, EA.	4



△ POSITION OF PILE DURING WELDING.

PILE SPLICE DETAILS

PROJECT NO. R-2561CA

COLUMBUS COUNTY

STATION: 71+06.00 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE END BENT 1

RIGHT LANE

DocuSigned by: DB3C8E45B06D495...
8/15/2022

NORTH CAROLINA PROFESSIONAL SEAL 14114 ENGINEER ROBERT C. LARSON

DESIGN ENGINEER OF RECORD: DocuSigned by: DB3C8E45B06D495... DATE: 8/15/2022
DRAWN BY: A. K. ALLANKI DATE: 08/13/20
CHECKED BY: R. C. LARSON DATE: 08/14/20

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ENGINEERS ◆ PLANNERS ◆ SCIENTISTS ◆ CONSTRUCTION MANAGERS LICENSE NUMBER: C-0764
KCI Associates of North Carolina, P.A.
4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609-6270 Phone (919) 783-9214

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-20
1			3			TOTAL SHEETS
2			4			29

$FILE$ $TIME$ $USER$ $PENTBLS$ $PLTDRVS$
$DATE$ KCI PROJECT NO. 241704391.04