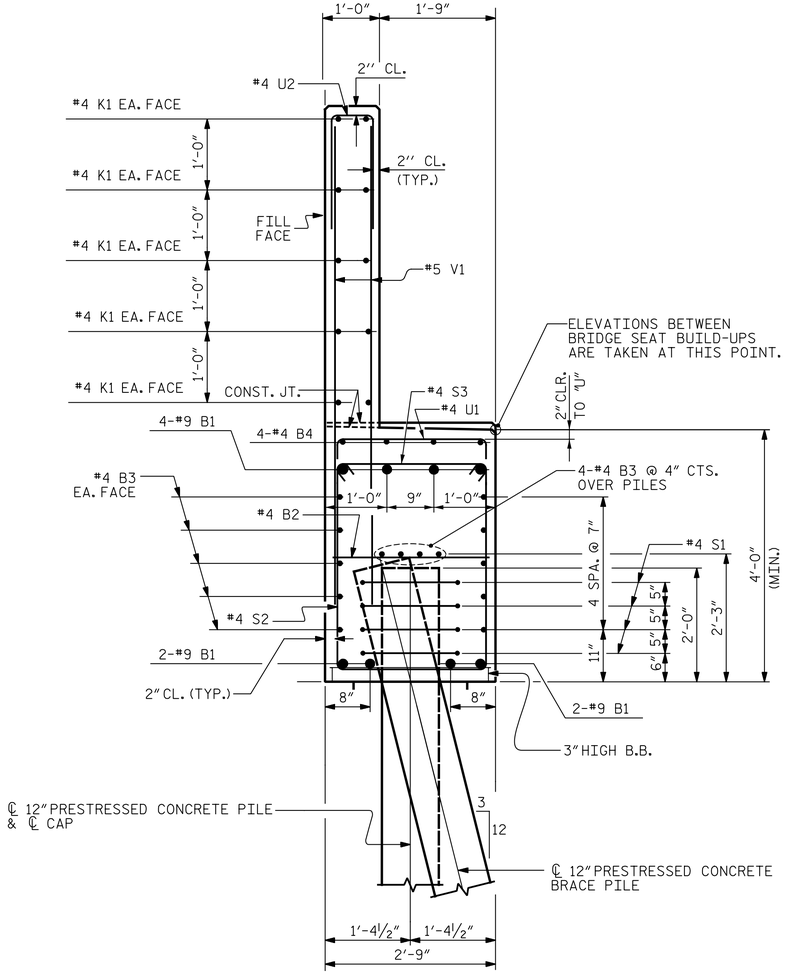
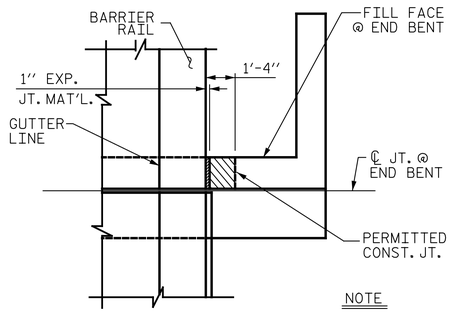
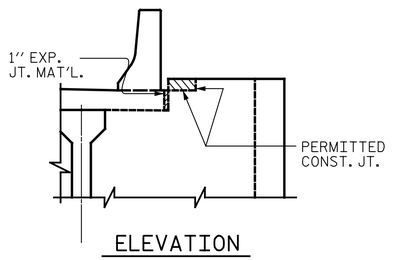


SECTION A-A



PLAN



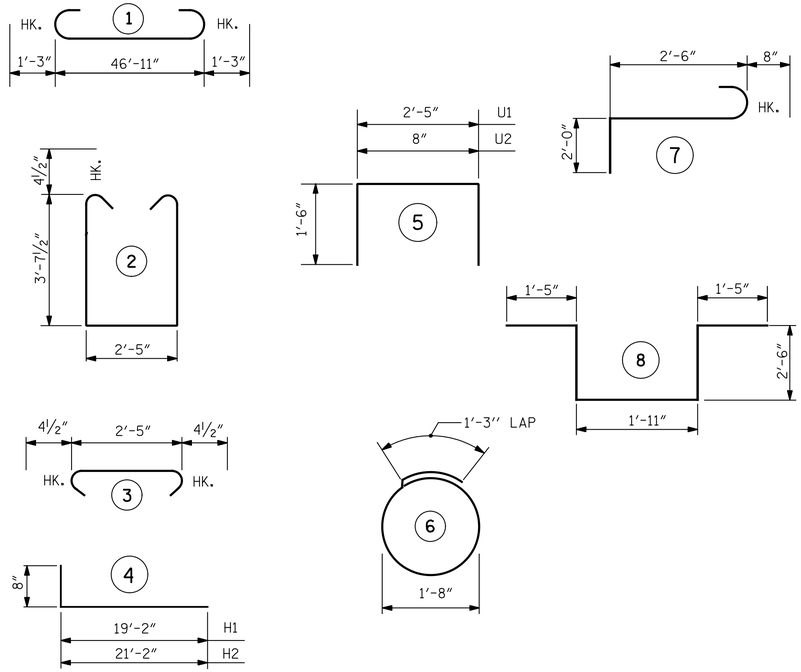
ELEVATION

NOTE

THE CONCRETE IN THE SHADED AREA OF THE WING SHALL BE POURED AFTER THE PARAPET IS CAST IF SLIP FORMING IS USED.

BLOCKOUT IN WING WALL

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	9	1	49'-5"	1344
B2	12	4	STR.	2'-5"	19
B3	28	4	STR.	24'-8"	461
B4	4	4	STR.	19'-2"	51
B5	4	4	STR.	2'-11"	8
H1	22	4	4	19'-10"	291
H2	30	4	4	21'-10"	438
H3	8	4	STR.	2'-7"	14
K1	20	4	STR.	24'-8"	330
S1	24	4	6	6'-6"	104
S2	42	4	2	10'-5"	292
S3	42	4	3	3'-2"	89
S4	6	6	7	5'-2"	47
S5	6	6	8	9'-9"	88
U1	16	4	5	5'-5"	58
U2	41	4	5	3'-8"	100
V1	82	5	STR.	8'-4"	713
V2	44	5	STR.	9'-8"	444
V3	48	5	STR.	10'-7"	530

REINFORCING STEEL, LB		5421
CLASS A CONCRETE, CY	POUR 1	27.9
	POUR 2	17.3
	TOTAL	45.2
12" PRESTRESSED CONCRETE PILES		
	NO.	8
	LF	480
PILE REDRIVES	EA.	3

NOTE: PILE HEADS HAVE BEEN DEDUCTED FROM CLASS A CONCRETE.

PROJECT NO. R-2514D

JONES COUNTY

STATION: 373+02.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE END BENT 2

LEFT LANE STR-#5

DocuSigned by: DB3C8E45B06D499...

NORTH CAROLINA PROFESSIONAL SEAL 14114 ENGINEER ROBERT C. LARSON

4/12/2015

DESIGN ENGINEER OF RECORD: DATE: 4/12/2015

DRAWN BY: E. C. DECOLA DATE: 03/06/14

CHECKED BY: R. C. LARSON DATE: 03/18/14

ENGINEERS • PLANNERS • ECOLOGISTS LICENSE NUMBER C-0764
KCI Associates of North Carolina, P.A.
SUITE 220, LANDMARK CENTER II 4601 SIX FORKS RD. RALEIGH, N.C. 27609-5280 (919) 783-9214

DWG. REF. NO. 29 OF 34

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

SHEET NO. S05-29

TOTAL SHEETS S05-34