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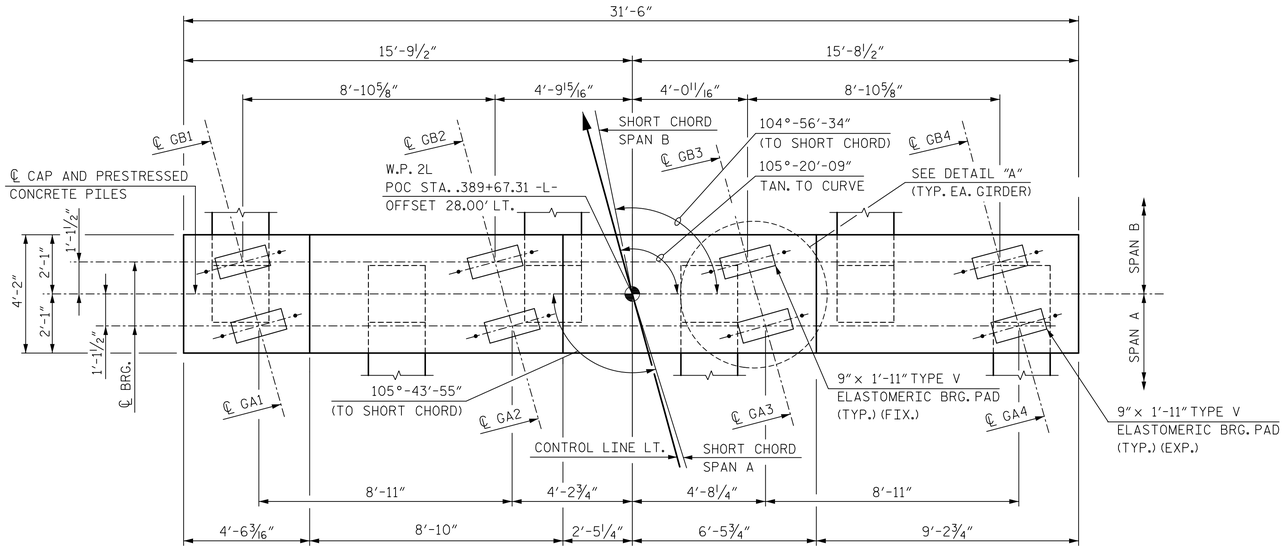
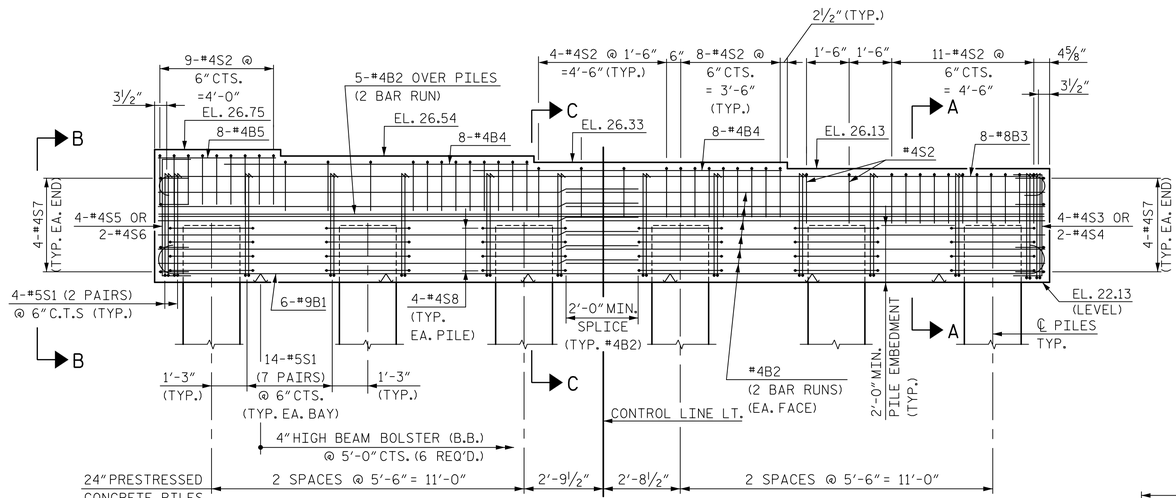
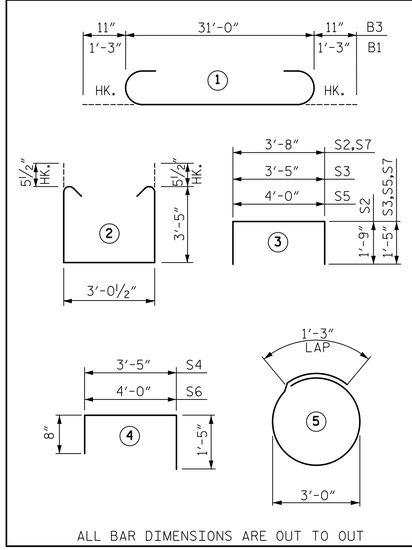


PLAN



ELEVATION

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF REINFORCING

BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	9	1	33′-6″	683
B2	34	4	STR.	16′-6″	375
B3	8	8	1	32′-10″	701
B4	16	4	STR.	10′-10″	116
B5	8	4	STR.	4′-1″	22
S1	78	5	2	10′-10″	881
S2	46	4	3	7′-2″	220
S3	4	4	3	6′-3″	17
S4	2	4	4	5′-6″	7
S5	4	4	3	6′-10″	18
S6	2	4	4	6′-1″	8
S7	8	4	3	6′-6′	35
S8	24	4	5	10′-8″	171

QUANTITIES

EPOXY COATED REINFORCING STEEL	LBS.	3,254
CLASS AA CONCRETE		
CAP POUR 1	CU. YDS.	18.4
PRESTRESSED CONCRETE PILE	NO.	6
	FEET	630.0

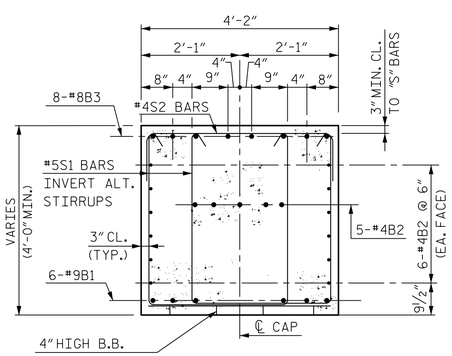
NOTES:

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

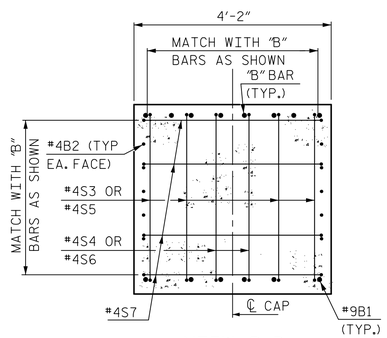
FOR PILE DETAILS, SEE SHEET S5-34.

DETAIL A

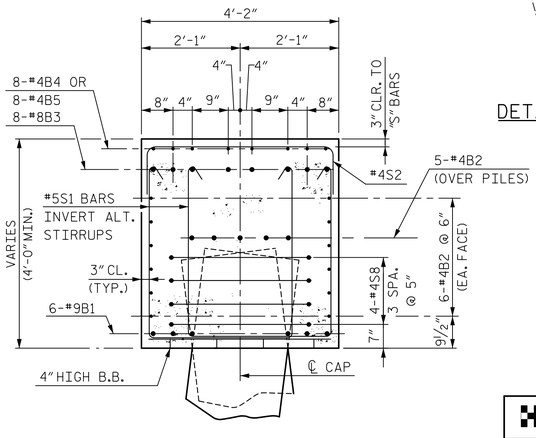
INDICATES 1½:12 PILE BATTERED IN DIRECTION SHOWN



SECTION A-A



VIEW B-B



SECTION C-C

PROJECT NO. R-5021

BRUNSWICK COUNTY

STATION: POC 390+15.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT 1

LEFT LANE

NORTH CAROLINA PROFESSIONAL SEAL 12916 ENGINEER PAUL J. BARBER

Digitally signed by: Paul J. Barber 18DB5857368741E...

8/31/2021

HNTB NORTH CAROLINA, P.C.
NC License No. C-1554
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY M. WRIGHT DATE 7/21
CHECKED BY P. BARBER DATE 7/21
DESIGN ENGINEER OF RECORD P. BARBER DATE 7/21

DWG. NO. 29

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S5-29
1			3			TOTAL SHEETS
2			4			39