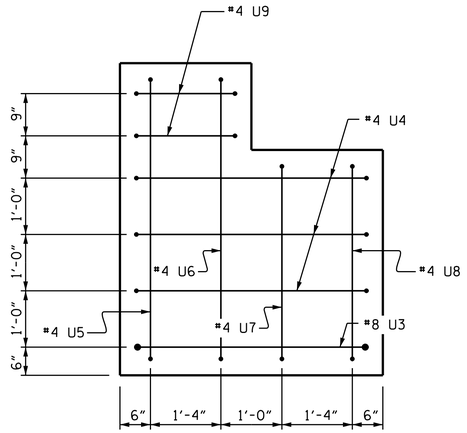
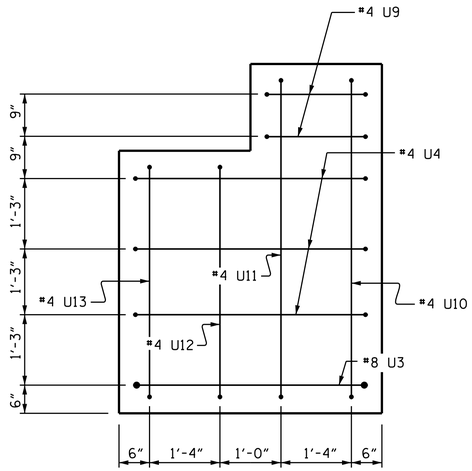
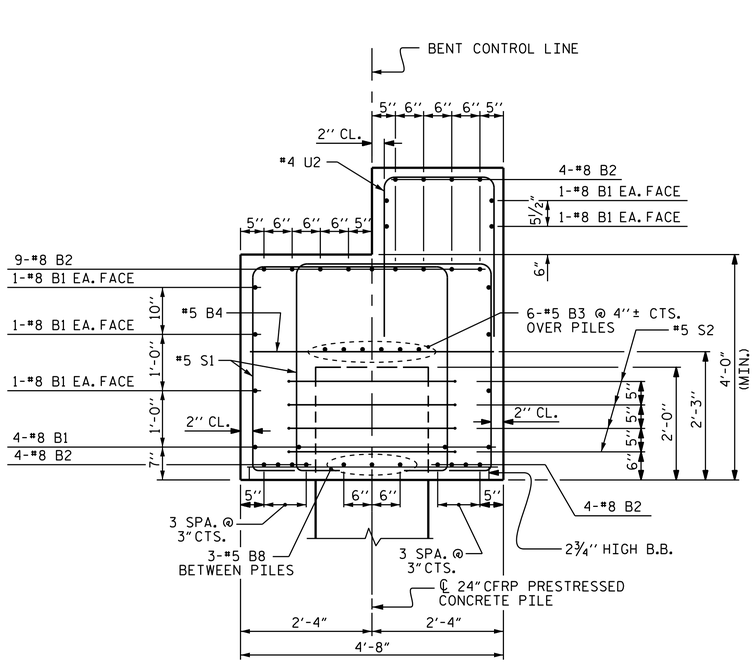


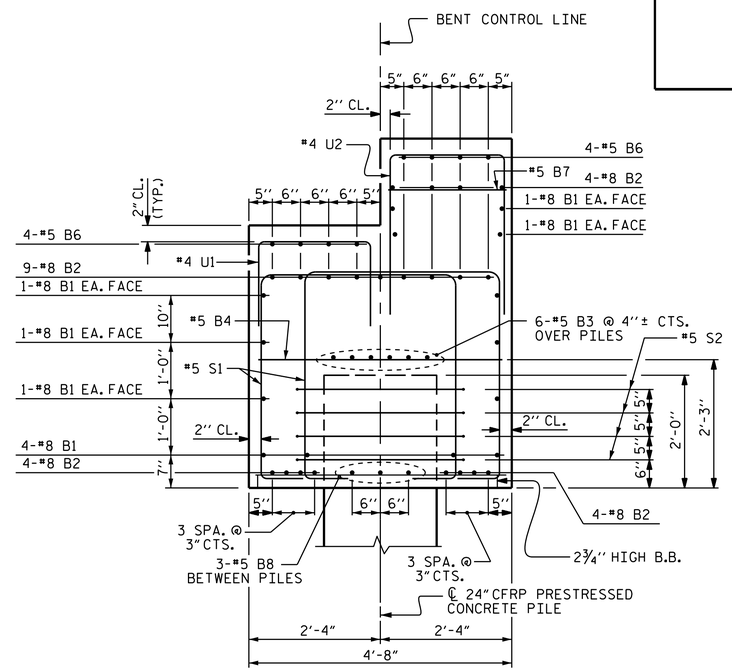
VIEW X-X



VIEW Y-Y

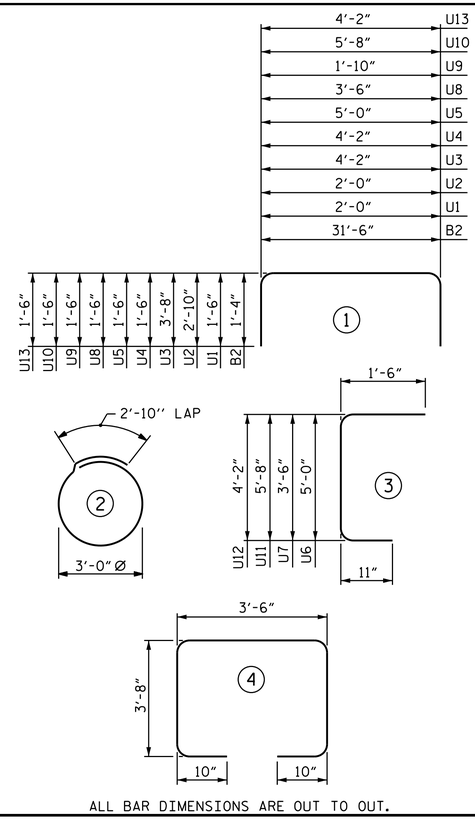


SECTION A-A



SECTION B-B

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT #17

BAR	NO.	SIZE	TYPE	LENGTH	TOTAL LENGTH
B1	14	#8	STR	31'-8"	443'-4"
B2	21	#8	1	34'-2"	717'-6"
B3	6	#5	STR	31'-8"	190'-0"
B4	8	#5	STR	4'-4"	34'-8"
B5	8	#5	STR	8'-9"	70'-0"
B6	8	#5	STR	4'-10"	38'-8"
B7	4	#5	STR	2'-0"	8'-0"
B8	15	#5	STR	3'-2"	47'-6"
S1	82	#5	4	12'-6"	1025'-0"
S2	24	#5	2	12'-3"	294'-0"
U1	35	#4	1	5'-0"	175'-0"
U2	41	#4	1	7'-8"	314'-4"
U3	2	#8	1	11'-6"	23'-0"
U4	6	#4	1	7'-2"	43'-0"
U5	1	#4	1	8'-0"	8'-0"
U6	1	#4	3	7'-5"	7'-5"
U7	1	#4	3	5'-11"	5'-11"
U8	1	#4	1	6'-6"	6'-6"
U9	4	#4	1	4'-10"	19'-4"
U10	1	#4	1	8'-8"	8'-8"
U11	1	#4	3	8'-1"	8'-1"
U12	1	#4	3	6'-7"	6'-7"
U13	1	#4	1	7'-2"	7'-2"

TOTAL LIN. FT. # 4 BARS	610.0
TOTAL LIN. FT. # 5 BARS	1707.8
TOTAL LIN. FT. # 8 BARS	1183.8

GLASS FIBER REINFORCED POLYMER BARS TOTAL 3501.67 LIN. FT.

CLASS AA CONCRETE BREAKDOWN

POUR #1 CAP	26.7 C.Y.
TOTAL CLASS AA CONCRETE	26.7 C.Y.

PROJECT NO. B-4863

CARTERET COUNTY

STATION: 34+75.00 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENT #17

NORTH CAROLINA PROFESSIONAL SEAL 035451 ENGINEER ASHVIN K. PATEL

DocuSigned by: Ashvin Patel 7F189E5610244D3...

4/16/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

SHEET NO. S1-166

TOTAL SHEETS 194

DRAWN BY : T.L. AVERETTE DATE : 02/2019
CHECKED BY : A. K. PATEL DATE : 11/2019
DESIGN ENGINEER OF RECORD: A. K. PATEL DATE : 11/2019

13-APR-2021 11:34
S:\DEV\Squad_D\B4863\Plans\FINAL PLANS\B-4863_SMU_B17.dgn
akpatel