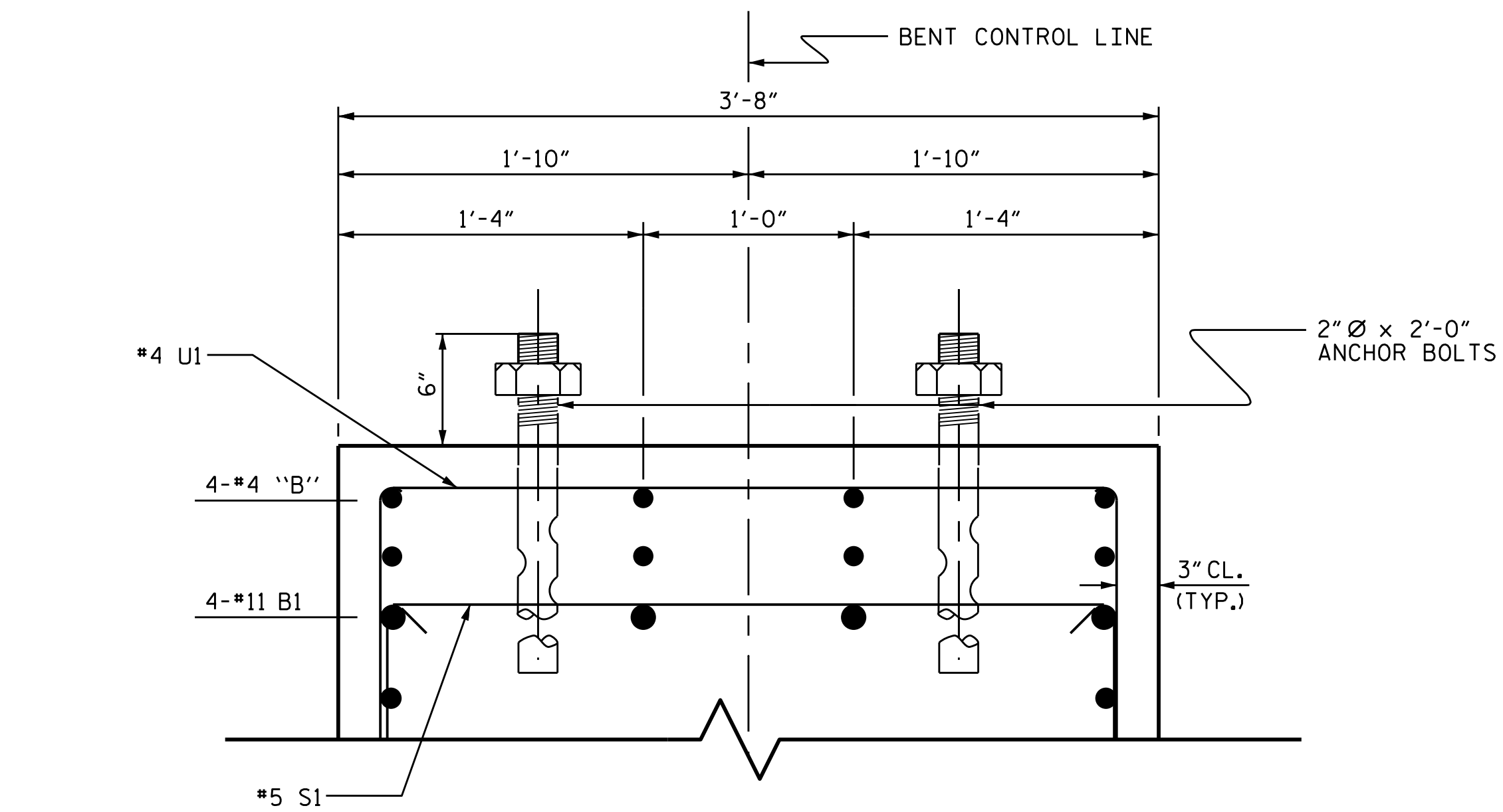
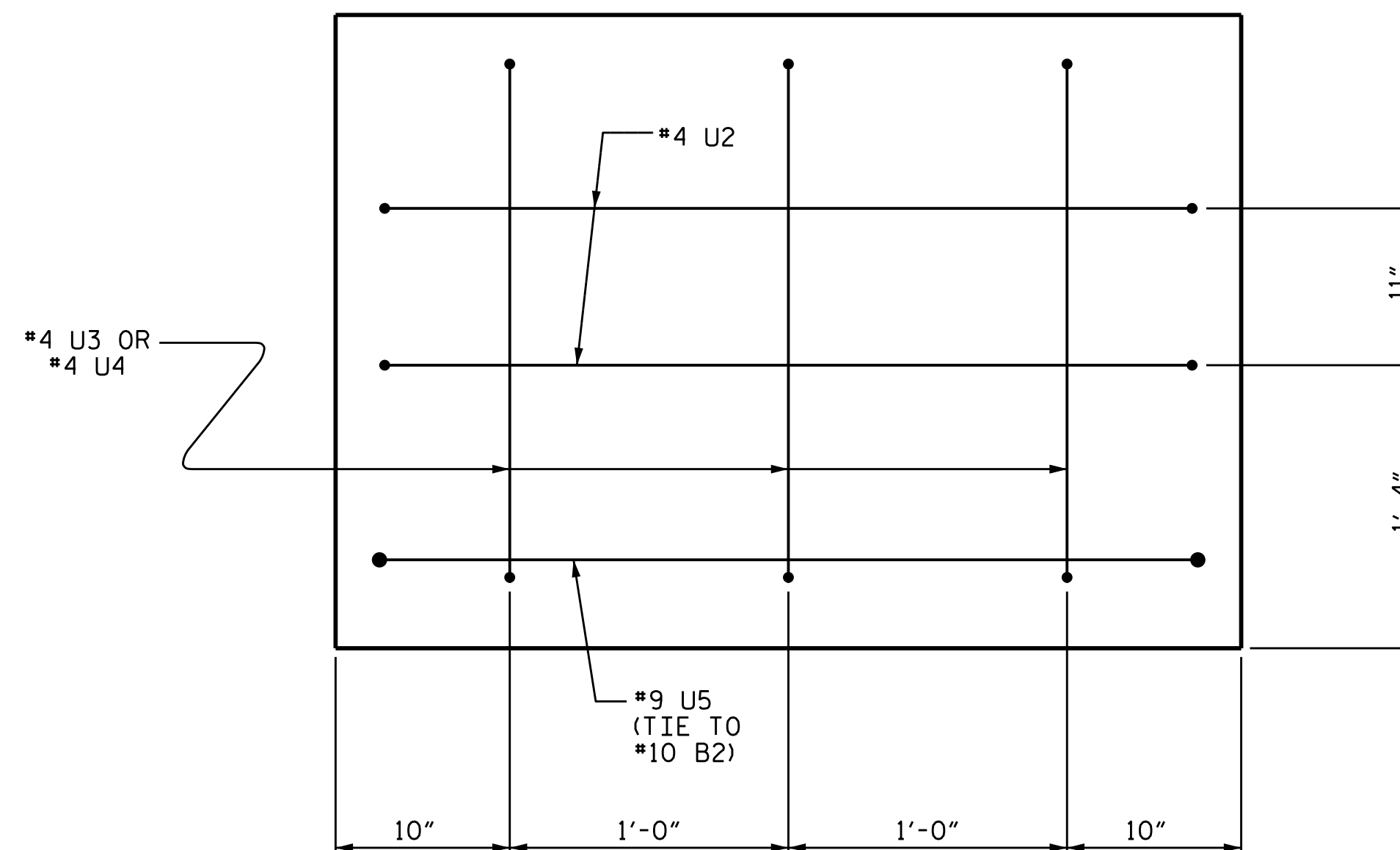


SECTION A-A

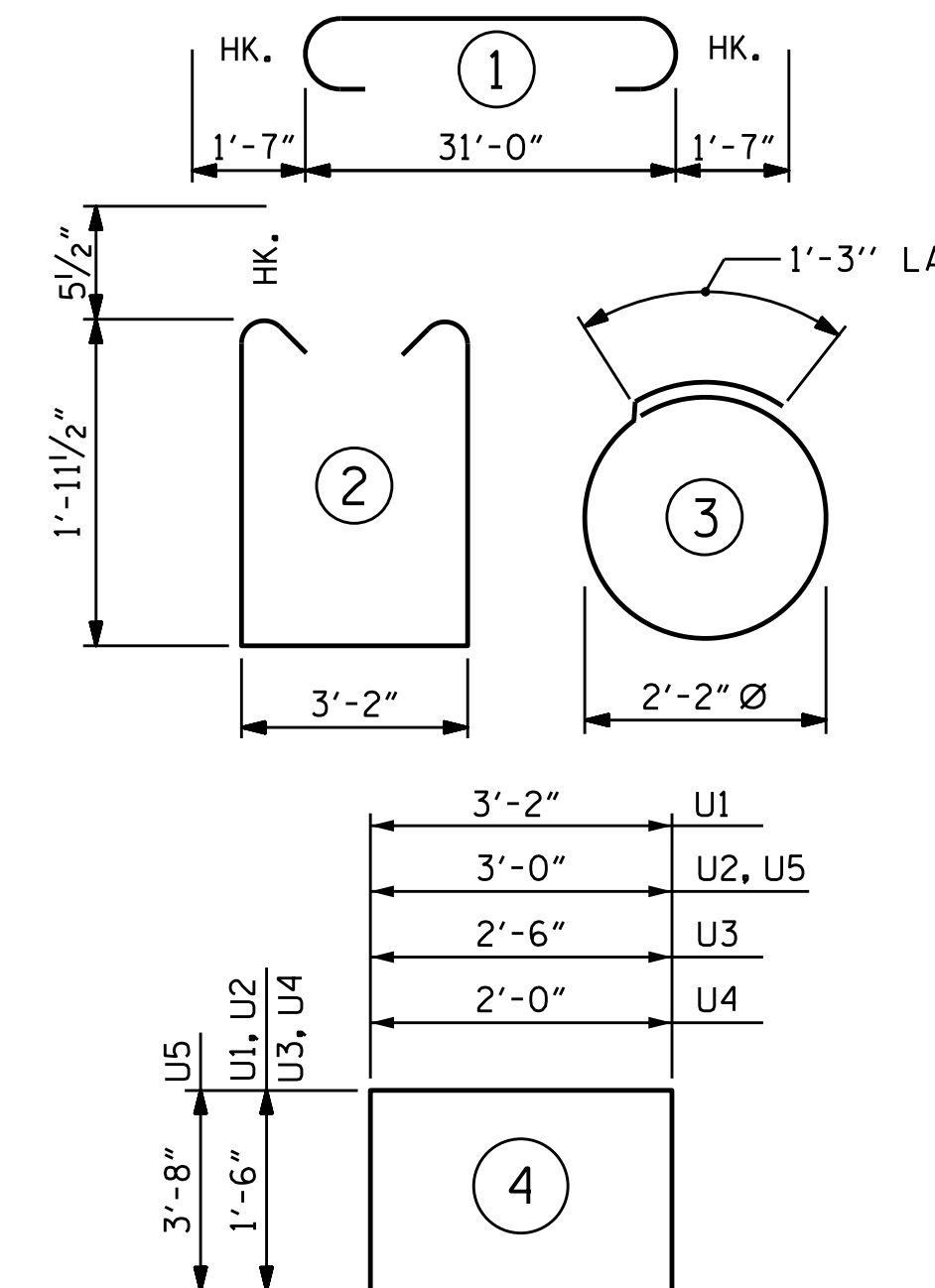


SECTION B-B



END OF CAP VIEW

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

FOR ONE BENT

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	4	#11	1	34'-2"	726
*B2	4	#11	STR	31'-2"	662
*B3	4	#5	STR	31'-2"	130
*B4	8	#4	STR	16'-10"	90
*B5	8	#4	STR	3'-2"	17
*B6	8	#4	STR	6'-8"	36
*B7	4	#4	STR	3'-6"	9
*S1	26	#5	2	8'-0"	217
*S2	14	#4	3	8'-1"	76
*U1	41	#4	4	6'-2"	169
*U2	4	#4	4	6'-0"	16
*U3	3	#4	4	5'-6"	11
*U4	3	#4	4	5'-0"	10
*U5	2	#9	4	10'-4"	70

\* EPOXY COATED REINFORCING STEEL — 2239 LBS

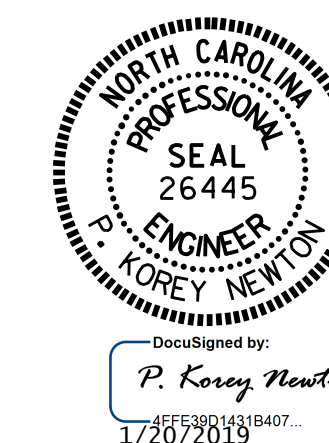
CLASS AA CONCRETE  
TOTAL CLASS AA CONCRETE \_\_\_\_\_ ▲ 11.5 C.Y.

BENT 1		BENT 2	
16" PRESTRESSED CONCRETE PILES		16" PRESTRESSED CONCRETE PILES	
No. 7 _____	LIN. FT. 490	No. 7 _____	LIN. FT. 350
PILE REDRIVES _____	EA. 7	PILE REDRIVES _____	EA. 7

▲ CONCRETE DISPLACED BY THE 16" PRESTRESSED CONCRETE PILES HAS BEEN DEDUCTED FROM THE CONCRETE QUANTITY.

DRAWN BY : O. T. NGUYEN DATE : 5/17/18  
 CHECKED BY : M. K. BEARD DATE : 8/18  
 DESIGN ENGINEER OF RECORD : A. K. PATEL DATE : 1/10/19

20-JAN-2019 22:06  
 Z:\Structures\Plans\Str2\NR-5021.SMU.02.B.090024.dgn  
 pknewton



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. R-5021  
 BRUNSWICK COUNTY  
 STATION: 369+42.00 -L-  
 SHEET 2 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH						SHEET NO.	
SUBSTRUCTURE						S2-31	
BENTS 1 & 2 (EBL)						TOTAL SHEETS 38	
REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-31	
1			3			TOTAL SHEETS 38	
2			4				

STR. #2