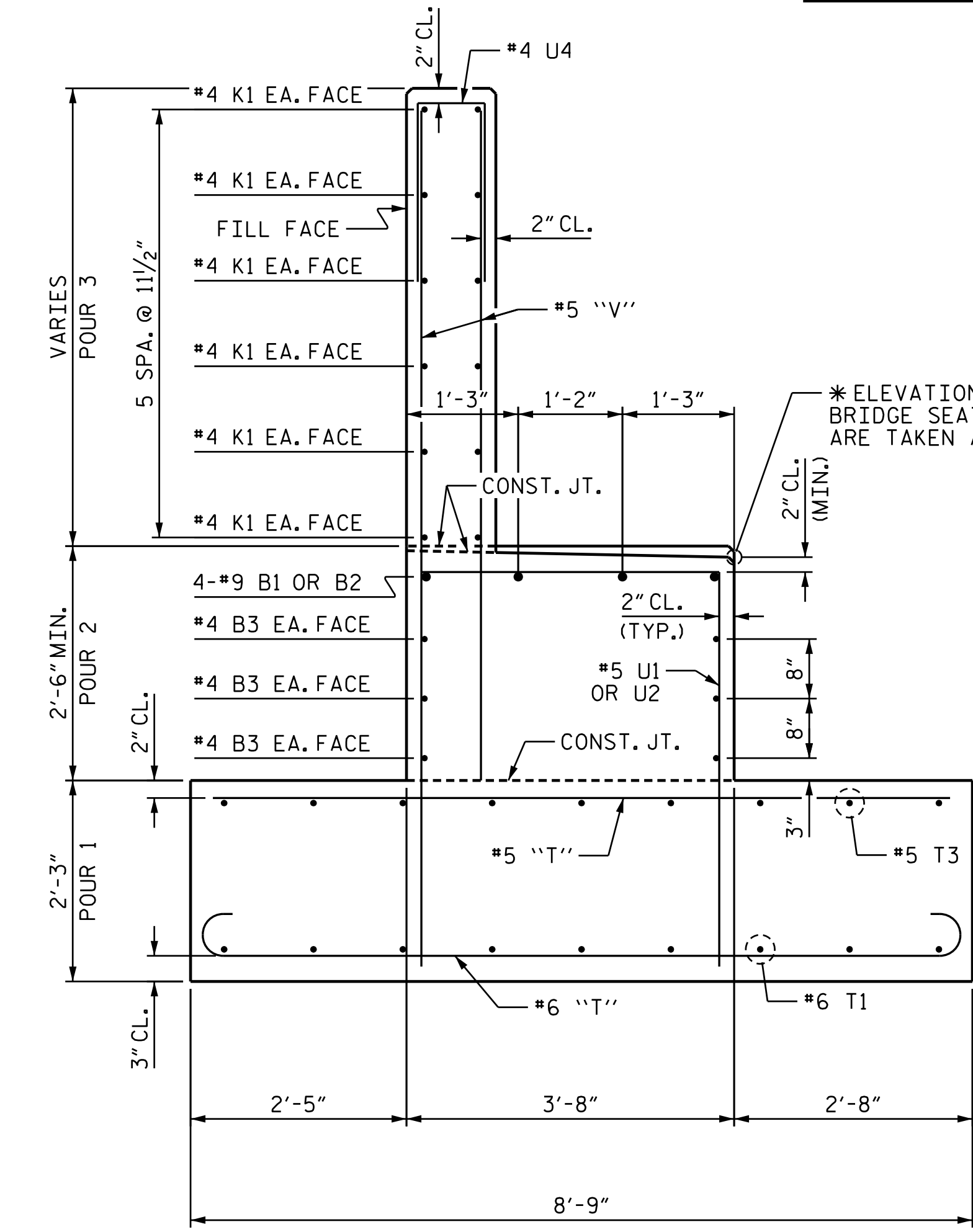
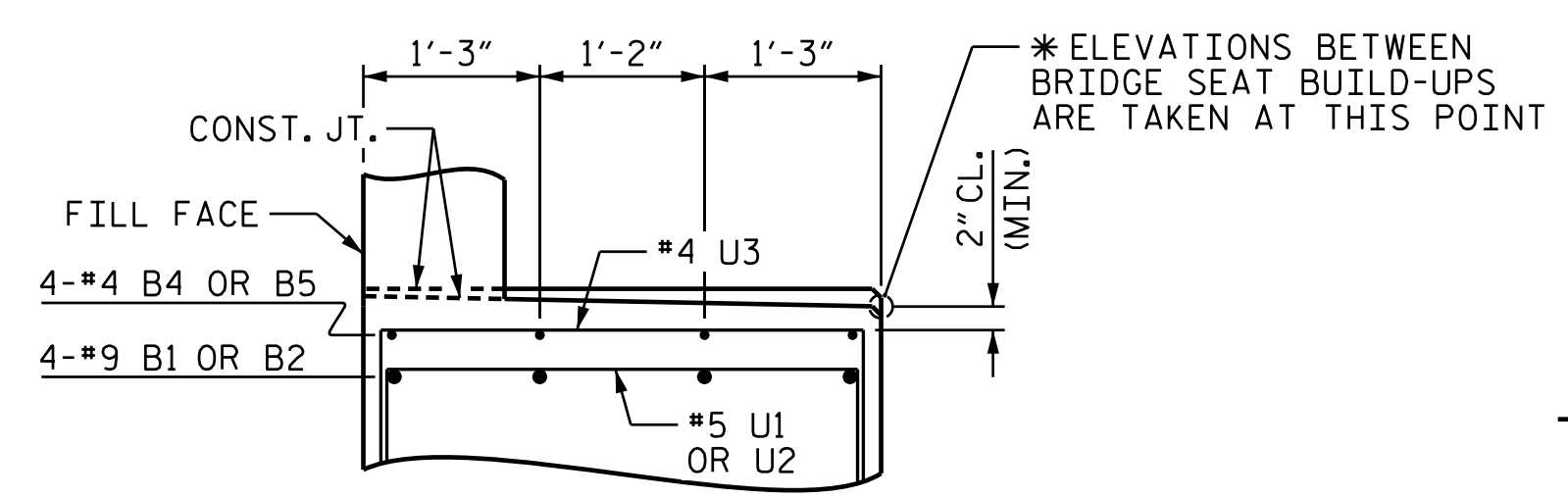


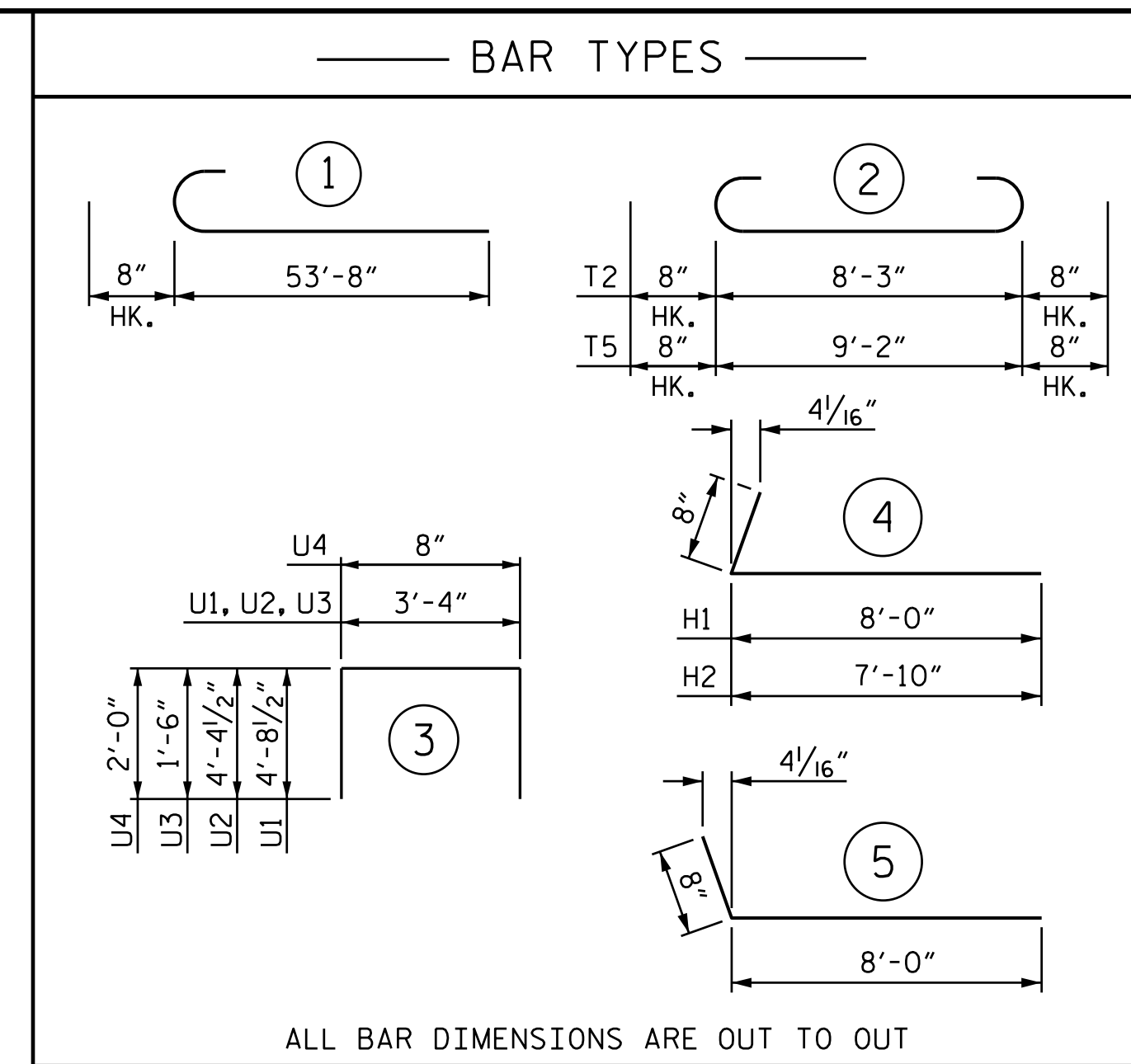
PLAN OF FOOTING



SECTION A-A

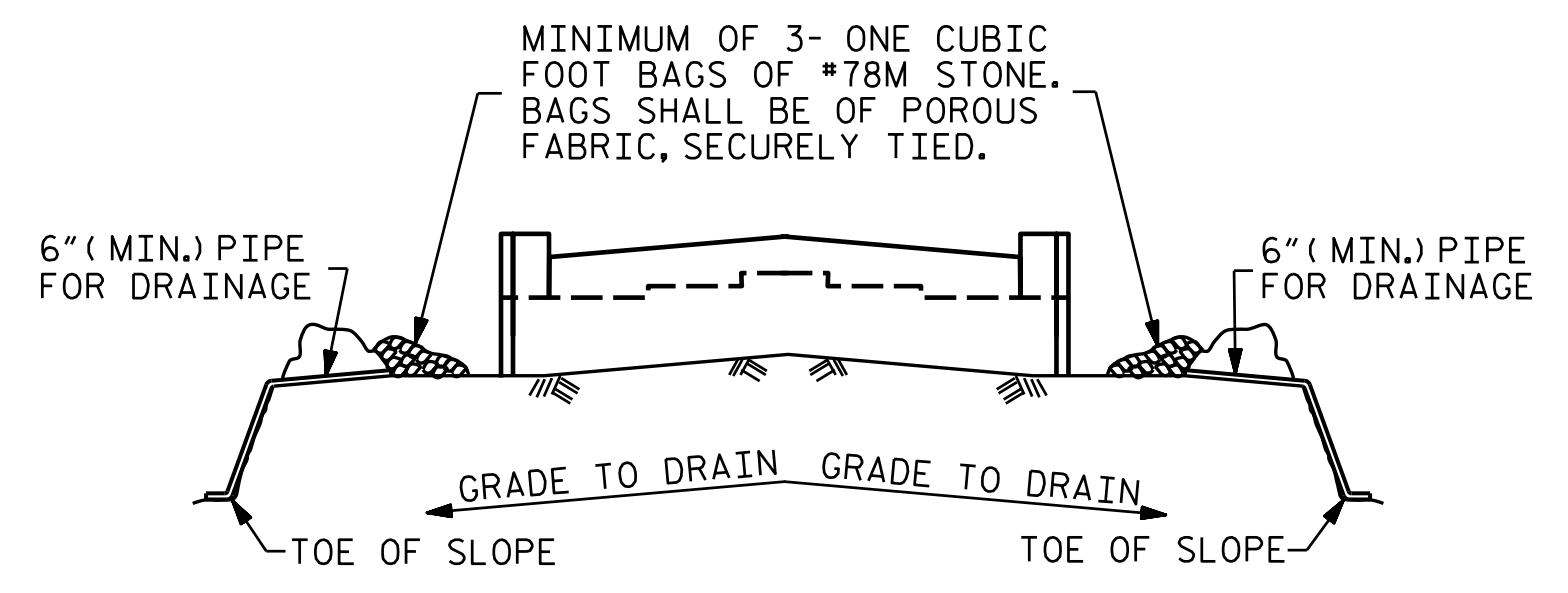


SECTION B-B



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	STR	60'-0"	816
B2	4	#9	STR	49'-11"	679
B3	24	#4	STR	27'-2"	436
B4	4	#4	STR	27'-0"	72
B5	8	#4	STR	13'-0"	69
H1	12	#4	4	8'-8"	69
H2	12	#4	4	8'-6"	68
H3	24	#4	5	8'-8"	139
K1	48	#4	STR	27'-2"	871
K2	6	#4	STR	3'-0"	12
K3	2	#4	STR	2'-11"	4
T1	18	#6	1	54'-4"	1469
T2	106	#6	2	9'-7"	1526
T3	18	#5	STR	53'-9"	1009
T4	106	#5	STR	8'-3"	912
T5	4	#6	2	10'-6"	63
T6	4	#5	STR	9'-2"	38
U1	59	#5	3	12'-9"	785
U2	40	#5	3	12'-1"	504
U3	37	#4	3	6'-4"	157
U4	94	#4	3	4'-8"	293
V1	86	#5	STR	7'-6"	673
V2	102	#5	STR	8'-1"	860
V3	21	#4	STR	9'-6"	133
V4	2	#4	STR	11'-6"	15
V5	21	#4	STR	9'-1"	127
V6	2	#4	STR	11'-1"	15
REINFORCING STEEL				=	11,814 LBS
CLASS A CONCRETE:					
POUR #1: FOOTING					76.6 CY
POUR #2: CAP & BOTTOM OF WINGS					42.8 CY
POUR #3: BACKWALL & TOP OF WINGS					23.7 CY
CLASS A CONCRETE TOTAL:					143.1 CY



BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

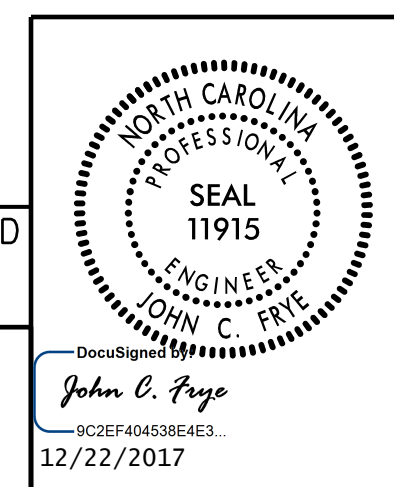
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

PROJECT NO. U-2525C  
GUILFORD COUNTY  
 STATION: 28+98.81 -Y4-

SHEET 4 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE END BENT 2					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:  
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 LICENSE NO. F-0669

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DRAWN BY: L. T. FORBIS DATE: 6-2017  
 CHECKED BY: J. T. WILLIAMS DATE: 9-2017  
 DESIGN ENGINEER OF RECORD: J. E. MONDOLFI DATE: 9-2017