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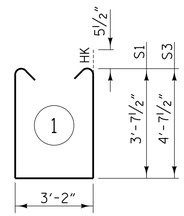
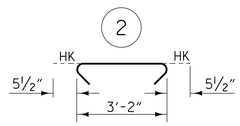
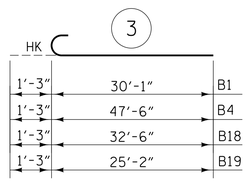
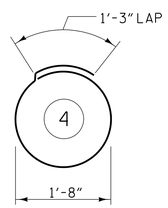
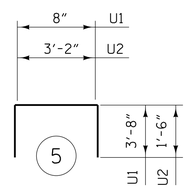
BAR TYPES











ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

END BENT 1-STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	3	31'-4"	426
B2	4	#4	STR	11'-9"	31
B3	4	#9	STR	22'-11"	312
B4	4	#9	3	48'-9"	663
B5	10	#5	STR	45'-7"	475
B6	8	#4	STR	22'-0"	118
B7	11	#4	STR	3'-2"	23
K1	24	#4	STR	21'-10"	350
S1	40	#5	1	11'-4"	473
S2	69	#5	2	4'-1"	294
S3	29	#5	1	13'-4"	403
S5	24	#4	4	6'-6"	104
U1	57	#5	5	8'-0"	476
U2	9	#4	5	6'-2"	37
V1	114	#5	STR	9'-7"	1139
V2	4	#5	STR	9'-2"	38

TOTAL REINFORCING STEEL 5362 lbs.

CLASS "A" CONCRETE - CU. YARDS	
POUR 1	
(CAP)	26.1 cu. yds.
POUR 2	
(BACKWALL)	10.1 cu. yds.
TOTAL	36.2 cu. yds.

END BENT 1-STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B8	4	#4	STR	26'-11"	72
B9	4	#9	STR	46'-4"	630
B10	4	#9	STR	46'-4"	630
B11	10	#5	STR	43'-0"	448
B12	8	#4	STR	21'-6"	115
B13	10	#4	STR	3'-2"	21
K2	12	#4	STR	22'-11"	184
S2	60	#5	2	4'-1"	256
S3	60	#5	1	13'-4"	834
S5	32	#4	4	6'-6"	139
U1	55	#5	5	8'-0"	459
U2	19	#4	5	6'-2"	78
V1	110	#5	STR	9'-7"	1099

TOTAL REINFORCING STEEL 4965 lbs.

CLASS "A" CONCRETE - CU. YARDS	
POUR 1	
(CAP)	26.8 cu. yds.
POUR 2	
(BACKWALL)	9.4 cu. yds.
TOTAL	36.2 cu. yds.

END BENT 1-STAGE III

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B14	4	#9	STR	52'-11"	720
B15	4	#4	STR	15'-5"	41
B16	4	#9	STR	60'-0"	816
B17	4	#4	STR	12'-0"	32
B18	4	#9	3	33'-9"	459
B19	4	#9	3	26'-5"	359
B20	10	#5	STR	42'-1"	439
B21	12	#4	STR	27'-6"	220
B22	21	#4	STR	3'-2"	44
K3	18	#4	STR	27'-4"	329
S1	42	#5	1	11'-4"	496
S2	129	#5	2	4'-1"	549
S3	87	#5	1	13'-4"	1210
S5	48	#4	4	6'-6"	208
U1	104	#5	5	8'-0"	868
U2	25	#4	5	6'-2"	103
V1	208	#5	STR	9'-7"	2079
V3	4	#5	STR	8'-10"	37

TOTAL REINFORCING STEEL 9009 lbs.

CLASS "A" CONCRETE - CU. YARDS	
POUR 1	
(CAP)	48.9 cu. yds.
POUR 2	
(BACKWALL)	18.0 cu. yds.
TOTAL	66.9 cu. yds.

PROJECT NO. I-5987B

ROBESON COUNTY

STATION: 617+12.20 -L- POT

SHEET 4 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 1 BILL OF MATERIAL

PLANS PREPARED BY:

NV5 ENGINEERS & CONSULTANTS, INC.
3300 REGENCY PARKWAY, SUITE 100
CARY, NC 27518
P: 919.851.1912 www.NV5.com
NC License # F-1333

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER L. KEVIN AUSTIN 019024

Docu Signed by: L. Kevin Austin
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4/22/2022

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S6-39
1			3					TOTAL SHEETS
2			4					53

DRAWN BY :	W.B. ALLEN	DATE :	12/21
CHECKED BY :	M.D. METZGER	DATE :	12/21
DESIGN ENGINEER OF RECORD:	L. K. AUSTIN	DATE :	01/22

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