

CONCRETE BREAKDOWN

POUR	UNIT 1 CU. YDS.	UNIT 2 CU. YDS.
1	218.5	203.6
2	142.4	193.8
3	157.6	170.2
4	164.5	193.2
5	136.0	164.3
6	242.9	8.5
7	192.0	8.5
8	129.0	-
9	130.5	-
10	244.5	-
11	8.7	-
12	8.4	-
TOTAL	1775.0	942.1

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,812 SQ.FT.
BRIDGE DECK	63,235 SQ.FT.
TOTAL	65,047 SQ.FT.

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

= DIMENSION MEASURED ALONG -Y15FLYCA-

BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 1

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	2,710	#5	STR	42'-11"	121,305
A2	2,710	#5	STR	42'-11"	121,305
*B1	16	#4	STR	30'-0"	321
*B2	139	#4	STR	33'-0"	3,064
*B3	609	#6	STR	60'-0"	54,883
*B4	174	#6	STR	16'-10"	4,399
*B5	124	#4	STR	31'-2"	2,582
*B6	62	#4	STR	35'-0"	1,450
*B7	87	#6	STR	45'-8"	5,967
*B8	93	#4	STR	29'-2"	1,812
*B9	174	#6	STR	34'-2"	8,929
*B10	140	#4	STR	16'-11"	3,452
*B11	15	#4	STR	33'-11"	340
B101	1,220	#5	STR	58'-4"	74,227
*G2	22	#5	5	3'-8"	84
*K1	12	#5	2	11'-8"	146
*K2	12	#5	3	16'-6"	207
*S1	38	#4	1	4'-3"	108
*S2	38	#4	1	5'-0"	127
* EPOXY COATED BARS					
REINFORCING STEEL					LBS. 195,532
EPOXY COATED REINF. STEEL					LBS. 209,176

BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 2

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	1,435	#5	STR	42'-11"	64,234
A2	1,435	#5	STR	42'-11"	64,234
*B3	174	#6	STR	60'-0"	15,681
*B12	16	#4	STR	32'-3"	345
*B13	108	#4	STR	35'-3"	2,543
*B14	87	#6	STR	31'-10"	4,160
*B15	124	#4	STR	39'-3"	3,251
*B16	87	#6	STR	34'-10"	4,552
*B17	109	#4	STR	37'-0"	2,694
*B18	15	#4	STR	34'-0"	341
B102	671	#5	STR	56'-2"	39,308
*G1	1	#5	STR	42'-11"	45
*G2	11	#5	5	3'-8"	42
*J1	41	#4	4	1'-5"	39
*K1	12	#5	2	11'-8"	146
*K2	12	#5	3	16'-6"	207
*S1	79	#4	1	4'-3"	224
* EPOXY COATED BARS					
REINFORCING STEEL					LBS. 103,542
EPOXY COATED REINF. STEEL					LBS. 98,504

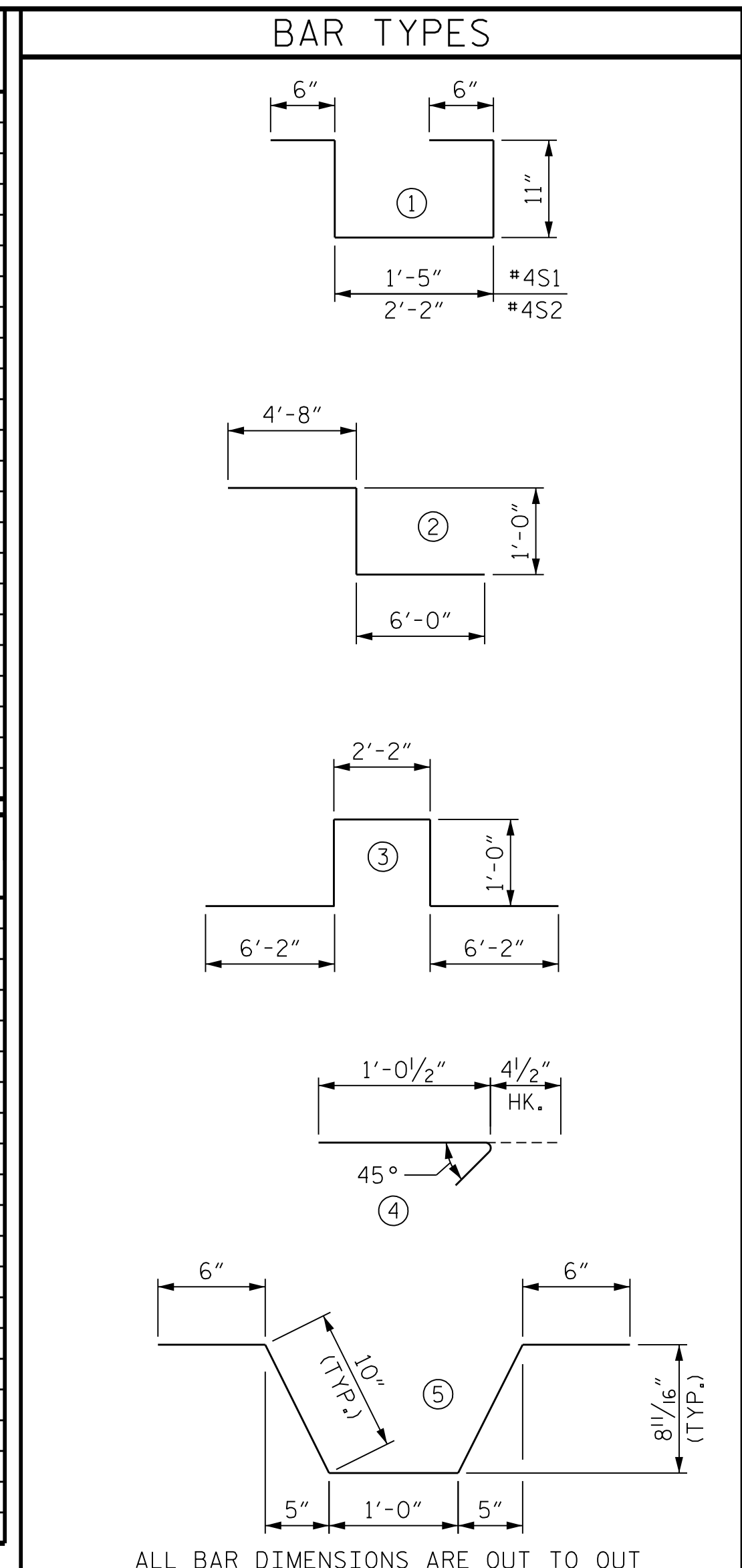
NOTES

** = QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

PERFORM BRIDGE DECK GROOVING IN ACCORDANCE WITH STANDARD SPEC. ITEM 420-14.

THE CONCRETE DECK QUANTITIES INCLUDE CONCRETE IN THE STAY-IN-PLACE FORM FLUTES. AN ADDITIONAL 1" OF DECK THICKNESS WAS CONSIDERED WHERE STAY-IN-PLACE FORMS ARE USED.

DECK SLAB TRANSVERSE CONSTRUCTION JOINTS ARE RADIAL (EXCEPT JOINTS FOR 4'-0" CLOSURE POURS AT EXPANSION JOINTS).



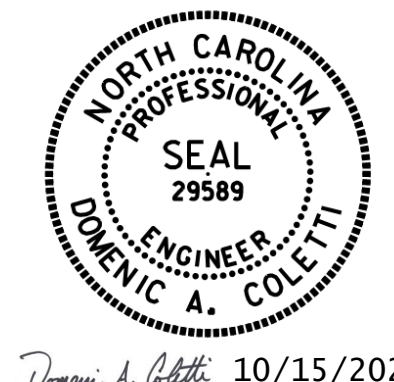
SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	CU. YARDS	LBS.	LBS.
UNIT 1	1,775.0	195,532	209,176
UNIT 2	942.1	103,542	98,504
TOTAL **	2,717.1	299,074	307,680

PROJECT NO. U-2579AB

FORSYTH COUNTY

STATION: 58+33.94 -Y15FLYCA-



Dominic A. Coletti 10/15/2021



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

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

SHEET NO. S06-078
TOTAL SHEETS 129

DES BY: <u>G. SCHMITZ</u>	DATE: <u>09/19</u>	DWG BY: <u>T. SAS</u>	DATE: <u>09/19</u>
DES CHK: <u>D. COLETTI</u>	DATE: <u>09/19</u>	CHK BY: <u>D. OLDS</u>	DATE: <u>12/19</u>

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 DATE: 10/14/2021