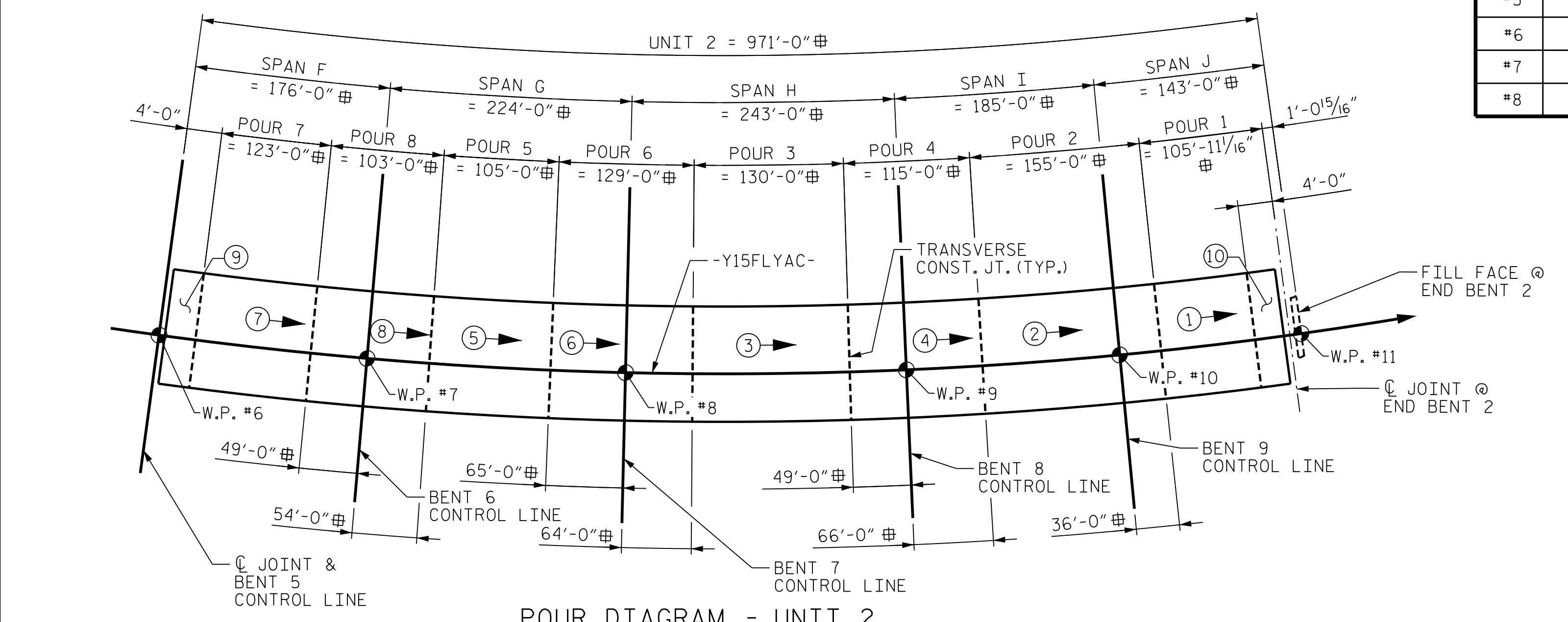
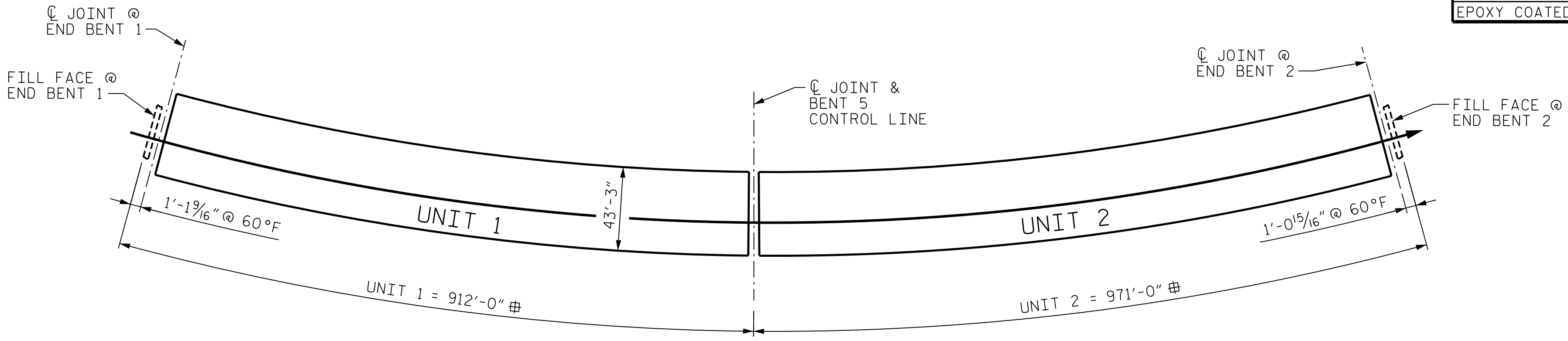


POUR DIAGRAM - UNIT 1

# = DIMENSIONS ARE MEASURED ALONG -Y15FLYAC-



POUR DIAGRAM - UNIT 2



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FEET = 81,227)

CONCRETE BREAKDOWN		
POUR	UNIT 1 CU. YDS.	UNIT 2 CU. YDS.
1	198.5	158.8
2	135.7	241.7
3	152.8	204.0
4	213.1	179.0
5	179.7	163.5
6	112.3	201.5
7	163.8	191.3
8	142.7	159.7
9	109.2	8.8
10	8.9	8.3
11	8.0	-
TOTAL	1,424.7	1,516.6

GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,812 SQ.FT.
BRIDGE DECK	69,396 SQ.FT.
TOTAL	71,208 SQ.FT.

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"			

**NOTES**

\*\* = QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

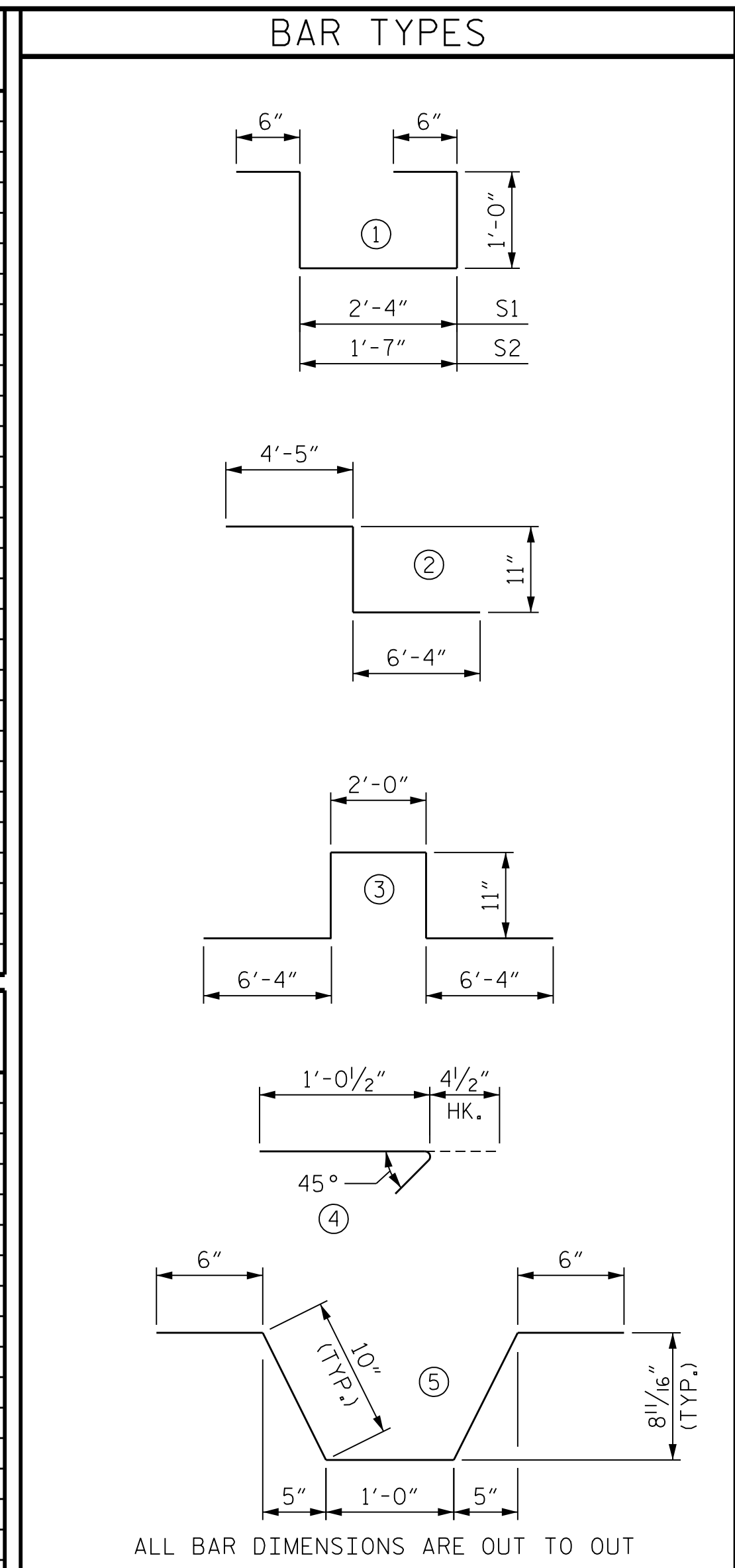
PERFORM BRIDGE DECK GROOVING IN ACCORDANCE WITH STANDARD SPEC. ITEM 420-14.

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).

BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	2,219	#5	STR	42'-11"	99,327
A2	2,219	#5	STR	42'-11"	99,327
*B1	16	#4	STR	34'-1"	364
*B2	77	#4	STR	37'-1"	1,907
*B3	87	#6	STR	57'-0"	7,448
*B4	93	#4	STR	30'-0"	1,864
*B5	261	#6	STR	60'-0"	23,521
*B6	87	#6	STR	41'-10"	5,467
*B7	124	#4	STR	39'-10"	3,299
*B8	87	#6	STR	36'-10"	4,813
*B9	93	#4	STR	33'-1"	2,055
*B10	174	#6	STR	31'-4"	8,189
*B11	109	#4	STR	32'-11"	2,397
*B12	15	#4	STR	29'-11"	300
B101	976	#5	STR	59'-1"	60,145
*G1	22	#5	5	3'-8"	84
*K1	12	#5	2	11'-8"	146
*K2	12	#5	3	16'-6"	207
*S1	38	#4	1	5'-4"	135
*S2	38	#4	1	4'-7"	116
* EPOXY COATED BARS					
REINFORCING STEEL					LBS. 159,472
EPOXY COATED REINF. STEEL					LBS. 161,639

BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	2,338	#5	STR	42'-11"	104,654
A2	2,338	#5	STR	42'-11"	104,654
*B5	522	#6	STR	60'-0"	47,043
*B13	16	#4	STR	32'-6"	347
*B14	77	#4	STR	35'-6"	1,826
*B15	174	#6	STR	33'-4"	8,712
*B16	93	#4	STR	31'-5"	1,952
*B17	87	#6	STR	42'-8"	5,575
*B18	124	#4	STR	37'-4"	3,092
*B19	87	#6	STR	20'-8"	2,701
*B20	62	#4	STR	33'-1"	1,370
*B21	87	#6	STR	17'-10"	2,330
*B22	78	#4	STR	36'-6"	1,902
*B23	15	#4	STR	33'-6"	336
B102	1,037	#5	STR	59'-3"	64,084
*G1	11	#5	5	3'-8"	42
*G2	1	#5	STR	42'-11"	45
*J1	41	#4	4	1'-5"	39
*K1	12	#5	2	11'-8"	146
*K2	12	#5	3	16'-6"	207
*S1	38	#4	1	5'-4"	135
*S2	41	#4	1	4'-7"	126
* EPOXY COATED BARS					
REINFORCING STEEL					LBS. 168,738
EPOXY COATED REINF. STEEL					LBS. 182,580

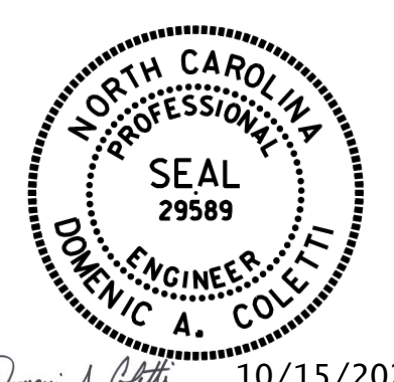


SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	CU. YARDS	LBS.	LBS.
UNIT 1	1,424.7	159,472	161,639
UNIT 2	1,516.6	168,738	182,580
TOTAL **	2,941.3	328,210	344,219

PROJECT NO. U-2579AB

FORSYTH COUNTY

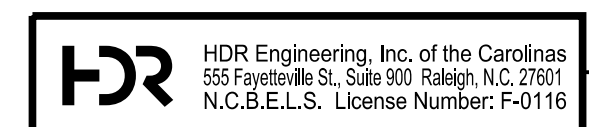
STATION: 60+66.06 -Y15FLYAC-



10/15/2021

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

SHEET NO.	TOTAL SHEETS
086	144



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT\_structures\_default\_pen.tbl  
 USER: PPRETERS0  
 DATE: 10/14/2021  
 TIME: 4:04:28 PM

DES BY: T. ANDREWS	DATE: 09/19	DWG BY: K. RYAN	DATE: 09/19
DES CHK: D. OLDS	DATE: 09/19	CHK BY: G. SCHMITZ	DATE: 11/19