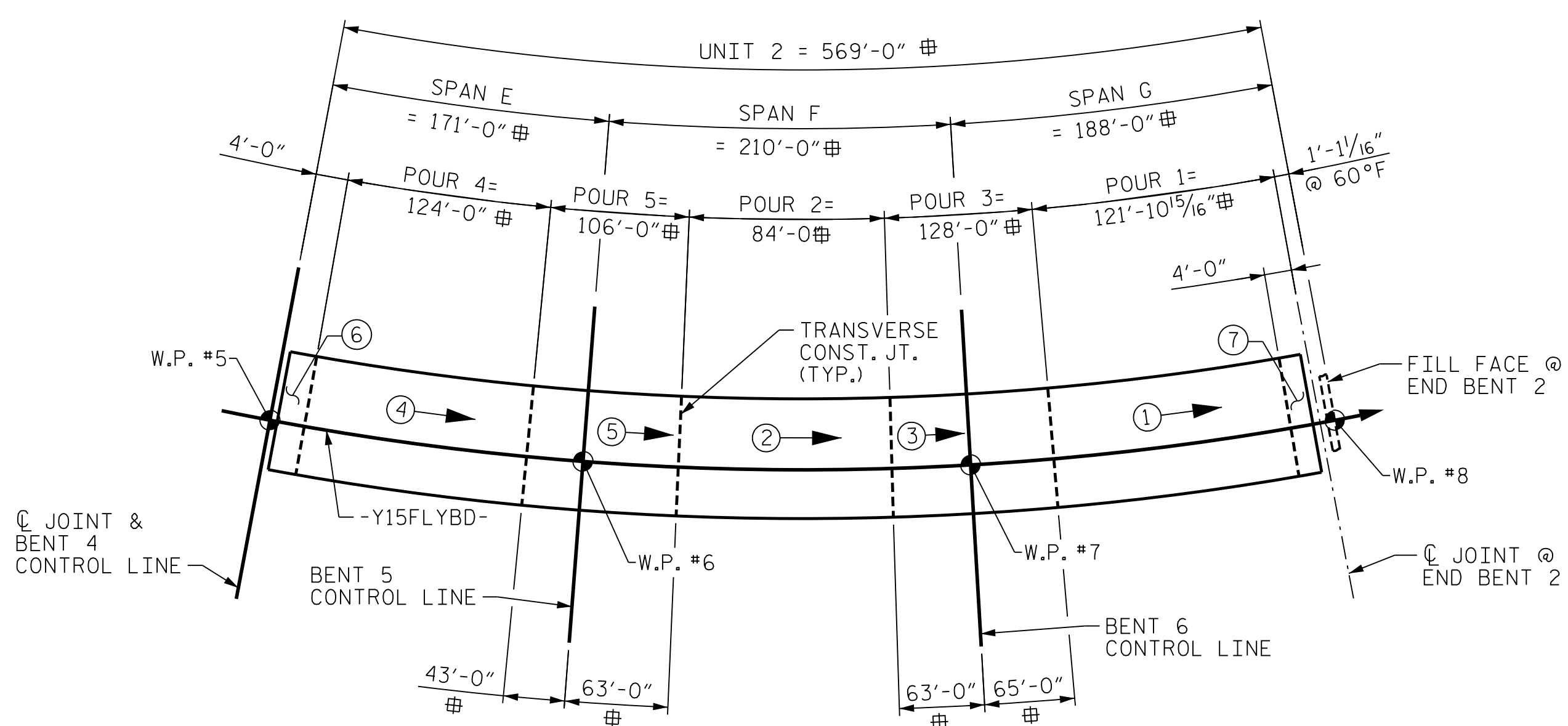
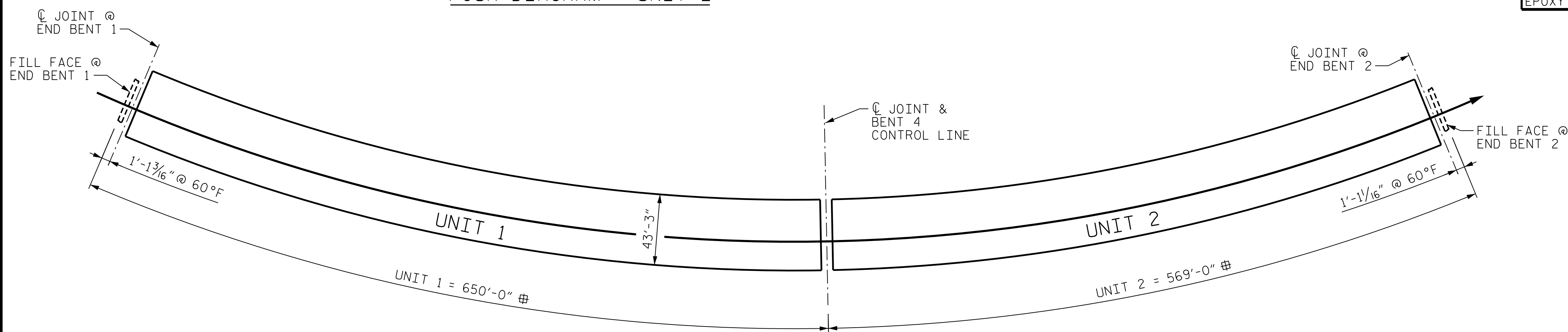


POUR DIAGRAM - UNIT 1



POUR DIAGRAM - UNIT 2



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB  
(SQ. FEET = 52,471)

CONCRETE BREAKDOWN			
POUR	UNIT 1 CU. YDS.	UNIT 2 CU. YDS.	
1	172.8	186.8	
2	105.3	132.8	
3	162.5	201.1	
4	105.3	195.4	
5	160.5	166.1	
6	135.4	8.5	
7	166.8	8.5	
8	8.5	-	
9	8.5	-	
TOTAL	1,025.6	899.2	

GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,812 SQ.FT.
BRIDGE DECK	44,799 SQ.FT.
TOTAL	46,611 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"			

⊕ = DIMENSIONS ARE MEASURED ALONG -Y15FLYBD-

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).

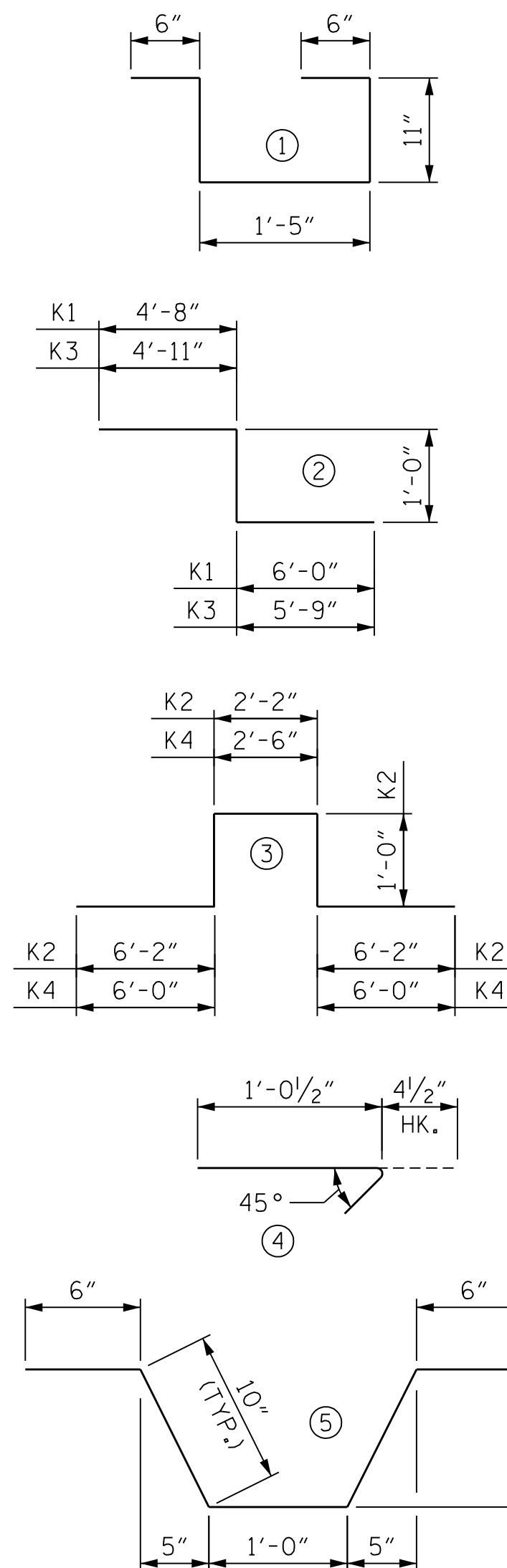
BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	1,574	#5	STR	42'-11"	70,456
A2	1,574	#5	STR	42'-11"	70,456
* B1	16	#4	STR	29'-2"	312
* B2	108	#4	STR	32'-2"	2,321
* B3	261	#6	STR	60'-0"	23,521
* B4	87	#6	STR	50'-10"	6,643
* B5	62	#4	STR	39'-1"	1,619
* B6	87	#6	STR	27'-10"	3,637
* B7	93	#4	STR	31'-9"	1,972
* B8	87	#6	STR	29'-10"	3,898
* B9	78	#4	STR	35'-1"	1,828
* B10	15	#4	STR	32'-1"	321
B101	732	#5	STR	56'-6"	43,136
* 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. 113,592
EPOXY COATED REINF. STEEL					LBS. 117,231

BILL OF MATERIAL DECK & DIAPHRAGM-UNIT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	1,378	#5	STR	42'-11"	61,682
A2	1,378	#5	STR	42'-11"	61,682
* B11	16	#4	STR	28'-10"	308
* B12	77	#4	STR	31'-10"	1,637
* B13	348	#6	STR	36'-2"	18,904
* B14	93	#4	STR	31'-7"	1,962
* B15	261	#6	STR	50'-3"	19,699
* B16	109	#4	STR	32'-0"	2,330
* B17	15	#4	STR	29'-0"	291
B102	610	#5	STR	59'-2"	37,644
* G1	1	#5	STR	42'-11"	45
* G2	11	#5	5	3'-8"	42
* J1	41	#4	4	1'-5"	39
* K1	6	#5	2	11'-8"	73
* K2	6	#5	3	16'-6"	103
* K3	6	#5	2	11'-8"	73
* K4	6	#5	3	16'-6"	103
* S1	79	#4	1	4'-3"	224
* EPOXY COATED BARS					
REINFORCING STEEL					LBS. 99,326
EPOXY COATED REINF. STEEL					LBS. 107,515

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	CU. YARDS	LBS.	LBS.
UNIT 1	1,025.6	113,592	117,231
UNIT 2	899.2	99,326	107,515
TOTAL **	1,924.8	212,918	224,746

PROJECT NO. U-2579AB  
FORSYTH COUNTY  
STATION: 47+63.62 -Y15FLYBD-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE BILL OF MATERIAL

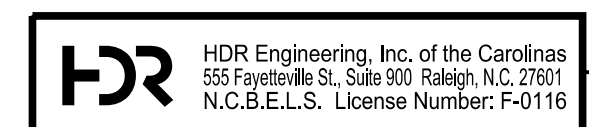
REVISIONS

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

SHEET NO. S05-071  
TOTAL SHEETS 116

PLOT DRIVER: NCDOT... PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl  
 USER: PPETERSO DATE: 10/17/2021  
 TIME: 8:25:12 AM  
 FILE: ... \ASUPERS

DES BY: G. SCHMITZ DATE: 09/19  
DES CHK: S. NIFONG DATE: 09/19  
DWG BY: T. SAS DATE: 09/19  
CHK BY: S. NIFONG DATE: 11/19



10/11/2021  
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED