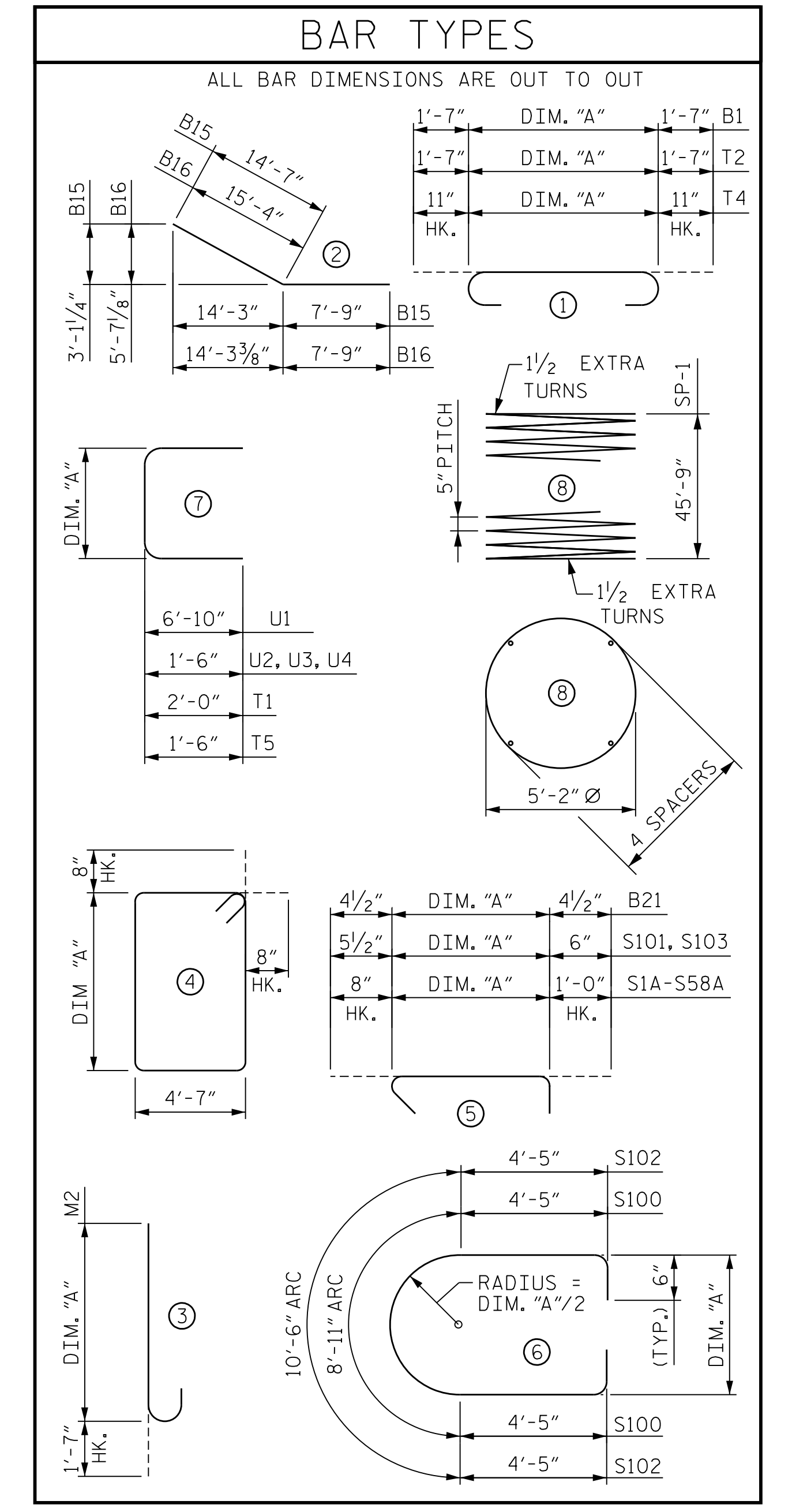


## BILL OF MATERIAL - BENT 4

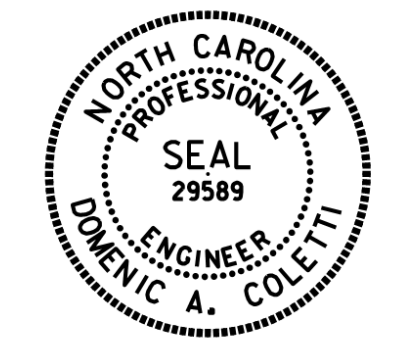
BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT
B1	12	#11	1	41'-6"	44'-8"	2,848	S53	2	#6	4	7'-9/2"	26'-1"	78	U1	20	#6	7	6'-8"	20'-4"	611
B2	24	#11	STR.	--	40'-10"	5,207	S54	2	#6	4	7'-7/2"	25'-9"	77	U2	36	#6	7	6'-6/2"	9'-7"	518
B3	22	#8	STR.	--	41'-8"	2,448	S55	4	#6	4	7'-5/2"	25'-5"	153	U3	40	#4	7	6'-8"	9'-8"	258
B4	2	#8	STR.	--	37'-6"	200	S56	2	#6	4	7'-1/2"	24'-9"	74	U4	48	#4	7	4'-2"	7'-2"	230
B5	2	#8	STR.	--	35'-2"	188	S57	2	#6	4	6'-11/2"	24'-5"	73							
B6	2	#8	STR.	--	32'-11"	176	S58	2	#6	4	6'-9/2"	24'-1"	72	V1	76	#11	STR.	--	25'-1"	10,128
B7	2	#8	STR.	--	30'-8"	164								V2	60	#11	STR.	--	30'-4"	9,670
B8	2	#8	STR.	--	28'-5"	152	S1A	2	#6	5	6'-10"	8'-6"	26	SUMMARY OF QUANTITIES - BENT 4						
B9	2	#8	STR.	--	26'-2"	140	S2A	2	#6	5	6'-11"	8'-7"	26	REINFORCING STEEL LBS. 124,942						
B10	2	#8	STR.	--	23'-11"	128	S3A	2	#6	5	7'-1"	8'-9"	26	CLASS AA CONCRETE:						
B11	2	#8	STR.	--	21'-7"	115	S4A	4	#6	5	7'-4"	9'-0"	54	POUR #2 - FOOTING C.Y. 232.3						
B12	2	#8	STR.	--	19'-4"	103	S5A	2	#6	5	7'-6"	9'-2"	28	POUR #3 - COLUMN C.Y. 75.3						
B13	2	#8	STR.	--	17'-0"	91	S6A	2	#6	5	7'-8"	9'-4"	28	POUR #4 - COLUMN C.Y. 42.9						
B14	2	#8	STR.	--	14'-7"	78	S7A	2	#6	5	7'-9"	9'-5"	28	POUR #5 - CAP C.Y. 109.2						
							S8A	2	#6	5	7'-11"	9'-7"	29	TOTAL C.Y. 459.7						
B15	12	#8	2	--	22'-4"	716	S9A	2	#6	5	8'-1"	9'-9"	29	6'-0" Ø DRILLED PIER IN SOIL L.F. 47						
B16	12	#8	2	--	23'-1"	740	S10A	2	#6	5	8'-2"	9'-10"	30	5'-6" Ø DRILLED PIER NOT IN SOIL L.F. 140						
							S11A	2	#6	5	8'-4"	10'-0"	30	DRILLED PIER CONCRETE						
B20	22	#4	STR.	--	6'-8"	98	S12A	2	#6	5	8'-5"	10'-1"	30	POUR #1 - DRILLED PIERS C.Y. 170.3						
B21	11	#4	5	6'-8"	7'-5"	54	S13A	2	#6	5	8'-7"	10'-3"	31	CSL TUBES L.F. 1,158						
							S14A	2	#6	5	8'-8"	10'-4"	31	SPT TESTING EA. 8						
M1	112	#11	STR.	--	53'-3"	31,687	S15A	2	#6	5	8'-11"	10'-7"	32	DRILLED PIER CONCRETE						
M2	76	#11	3	14'-0"	15'-7"	6,292	S16A	2	#6	5	9'-0"	10'-8"	32	POUR #1 - DRILLED PIERS C.Y. 170.3						
							S17A	2	#6	5	9'-2"	10'-10"	33	CSL TUBES L.F. 1,158						
S1	2	#6	4	6'-9/2"	24'-1"	72	S18A	2	#6	5	9'-4"	11'-0"	33	SPT TESTING EA. 8						
S2	2	#6	4	6'-11"	24'-4"	73	S19A	2	#6	5	9'-5"	11'-1"	33	DRILLED PIER CONCRETE						
S3	2	#6	4	7'-0/2"	24'-7"	74	S20A	2	#6	5	9'-7"	11'-3"	34	POUR #1 - DRILLED PIERS C.Y. 170.3						
S4	4	#6	4	7'-4"	25'-2"	151	S21A	2	#6	5	9'-8"	11'-4"	34	CSL TUBES L.F. 1,158						
S5	2	#6	4	7'-5/2"	25'-5"	76	S22A	2	#6	5	9'-10"	11'-6"	35	SPT TESTING EA. 8						
S6	2	#6	4	7'-7/2"	25'-9"	77	S23A	2	#6	5	10'-0"	11'-8"	35	DRILLED PIER CONCRETE						
S7	2	#6	4	7'-9"	26'-0"	78	S24A	2	#6	5	10'-2"	11'-10"	36	POUR #1 - DRILLED PIERS C.Y. 170.3						
S8	2	#6	4	7'-10/2"	26'-3"	79	S25A	2	#6	5	10'-3"	11'-11"	36	CSL TUBES L.F. 1,158						
S9	2	#6	4	8'-0/2"	26'-7"	80	S26A	2	#6	5	10'-5"	12'-1"	36	SPT TESTING EA. 8						
S10	2	#6	4	8'-2"	26'-10"	81	S27A	2	#6	5	10'-7"	12'-3"	37	DRILLED PIER CONCRETE						
S11	2	#6	4	8'-3/2"	27'-1"	81								POUR #1 - DRILLED PIERS C.Y. 170.3						
S12	2	#6	4	8'-5/2"	27'-5"	82	S28A	8	#6	5	10'-10"	12'-6"	150	CSL TUBES L.F. 1,158						
S13	2	#6	4	8'-7"	27'-8"	83	S29A	8	#6	5	10'-11"	12'-7"	151	SPT TESTING EA. 8						
S14	2	#6	4	8'-8/2"	27'-11"	84	S30A	8	#6	5	11'-4"	13'-0"	156	DRILLED PIER CONCRETE						
S15	2	#6	4	8'-10/2"	28'-3"	85	S31A	8	#6	5	11'-6"	13'-2"	158	POUR #1 - DRILLED PIERS C.Y. 170.3						
S16	2	#6	4	9'-0"	28'-6"	86								CSL TUBES L.F. 1,158						
S17	2	#6	4	9'-2"	28'-10"	87	S32A	2	#6	5	11'-4"	13'-0"	39	SPT TESTING EA. 8						
S18	2	#6	4	9'-3/2"	29'-1"	87	S33A	2	#6	5	11'-2"	12'-10"	39	DRILLED PIER CONCRETE						
S19	2	#6	4	9'-5"	29'-4"	88	S34A	2	#6	5	11'-0"	12'-8"	38	POUR #1 - DRILLED PIERS C.Y. 170.3						
S20	2	#6	4	9'-7"	29'-8"	89	S35A	2	#6	5	10'-10"	12'-6"	38	CSL TUBES L.F. 1,158						
S21	2	#6	4	9'-8/2"	29'-11"	90	S36A	2	#6	5	10'-8"	12'-4"	37	SPT TESTING EA. 8						
S22	2	#6	4	9'-10"	30'-2"	91	S37A	2	#6	5	10'-5"	12'-1"	36	DRILLED PIER CONCRETE						
S23	2	#6	4	10'-0"	30'-6"	92	S38A	2	#6	5	10'-4"	12'-0"	36	POUR #1 - DRILLED PIERS C.Y. 170.3						
S24	2	#6	4	10'-1/2"	30'-9"	92	S39A	2	#6	5	10'-2"	11'-10"	36	CSL TUBES L.F. 1,158						
S25	2	#6	4	10'-3"	31'-0"	93	S40A	2	#6	5	9'-11"	11'-7"	35	SPT TESTING EA. 8						
S26	2	#6	4	10'-5"	31'-4"	94	S41A	2	#6	5	9'-10"	11'-6"	35	DRILLED PIER CONCRETE						
S27	2	#6	4	10'-6/2"	31'-7"	95	S42A	2	#6	5	9'-8"	11'-4"	34	POUR #1 - DRILLED PIERS C.Y. 170.3						
							S43A	2	#6	5	9'-5"	11'-1"	33	CSL TUBES L.F. 1,158						
S28	8	#6	4	10'-9/2"	32'-1"	386	S44A	2	#6	5	9'-4"	11'-0"	33	SPT TESTING EA. 8						
S29	8	#6	4	10'-11"	32'-4"	389	S45A	2	#6	5	9'-2"	10'-10"	33	DRILLED PIER CONCRETE						
S30	8	#6	4	11'-4"	33'-2"	399	S46A	2	#6	5	8'-11"	10'-7"	32	POUR #1 - DRILLED PIERS C.Y. 170.3						
S31	8	#6	4	11'-5/2"	33'-5"	402	S47A	2	#6	5	8'-10"	10'-6"	32	CSL TUBES L.F. 1,158						
							S48A	2	#6	5	8'-8"	10'-4"	31	SPT TESTING EA. 8						
S32	2	#6	4	11'-3/2"	33'-1"	99	S49A	2	#6	5	8'-5"	10'-1"	30	DRILLED PIER CONCRETE						
S33	2	#6	4	11'-1/2"	32'-9"	98	S50A	2	#6	5	8'-4"	10'-0"	30	POUR #1 - DRILLED PIERS C.Y. 170.3						
S34	2	#6	4	10'-11/2"	32'-5"	97	S51A	2	#6	5	8'-2"	9'-10"	30	CSL TUBES L.F. 1,158						
S35	2	#6	4	10'-9/2"	32'-1"	96	S52A	2	#6	5	8'-0"	9'-8"	29	SPT TESTING EA. 8						
S36	2	#6	4	10'-7/2"	31'-9"	95	S53A	2	#6	5	7'-10"	9'-6"	29	DRILLED PIER CONCRETE						
S37	2	#6	4	10'-5/2"	31'-5"	94	S54A	2	#6	5	7'-8"	9'-4"	28	POUR #1 - DRILLED PIERS C.Y. 170.3						
S38	2	#6	4	10'-3/2"	31'-1"	93	S55A	4	#6	5	7'-6"	9'-2"	55	CSL TUBES L.F. 1,158						
S39	2	#6	4	10'-1/2"	30'-9"	92	S56A	2	#6	5	7'-2"	8'-10"	27	SPT TESTING EA. 8						
S40	2	#6	4	9'-11/2"	30'-5"	91	S57A	2	#6	5	7'-0"	8'-8"	26	DRILLED PIER CONCRETE						
S41	2	#6	4	9'-9/2"	30'-1"	90	S58A	2	#6	5	6'-10"	8'-6"	26	POUR #1 - DRILLED PIERS C.Y. 170.3						
S42	2	#6	4	9'-7/2"	29'-9"	89								CSL TUBES L.F. 1,158						
S43	2	#6	4	9'-5/2"	29'-5"	88	S100	86	#5	6	5'-8"	18'-9"	1,682	SPT TESTING EA. 8						
S44	2	#6	4	9'-3/2"	29'-1"	87	S101	129	#5	5	5'-8"	6'-8"	897	DRILLED PIER CONCRETE						
S45	2	#6	4	9'-1/2"	28'-9"	86	S102	102	#5	6	6'-8"	20'-4"	2,163	POUR #1 - DRILLED PIERS C.Y. 170.3						
S46	2	#6	4	8'-11/2"	28'-5"	85	S103	153	#5	5	6'-8"	7'-8"	1,223	CSL TUBES L.F. 1,158						
S47	2	#6	4	8'-9/2"	28'-1"	84								SPT TESTING EA. 8						
S48	2	#6	4	8'-7/2"	27'-9"	83	T1	94	#11	7	27'-6"	31'-6"	15,732	DRILLED PIER CONCRETE						
S49	2	#6	4	8'-5/2"	27'-5"	82	T2	78	#11	1	27'-6"	30'-8"	12,709	POUR #1 - DRILLED PIERS C.Y. 170.3						
S50	2	#6	4	8'-3/2"	27'-1"	81	T3	40	#6	STR.	--	27'-6"	1,652	CSL TUBES L.F. 1,158						
S51	2	#6	4	8'-1/2"	26'-9"	80	T4	60	#8	1	27'-6"	29'-4"	4,699	SPT TESTING EA. 8						
S52	2	#6	4	7'-11/2"	26'-5"	79	T5	168	#6	7	6'-8"	9'-8"	2,439	DRILLED PIER CONCRETE						

\*\* - THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.

**NOTE**  
SEE SHEETS 1 AND 2 OF 6 FOR NOTES.



PROJECT NO. U-2579AB  
FORSYTH COUNTY  
 STATION: 58+33.94 -Y15FLYCA-  
 SHEET 6 OF 6



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

## SUBSTRUCTURE BENT 4 BILL OF MATERIALS

Dominic A. Coletti 10/15/2021

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

SHEET NO. S06-106
TOTAL SHEETS 129

PLOT DRIVER: NCDOT\_pdf\_color\_eng-50.ppt  
 USER: PETERSON DATE: 10/14/2021  
 PENTABLE: NCDOT\_STRUCTURES\_DEFAULT\_PEN.tbl  
 TIME: 5:22:41 PM  
 FILE: ...SUBSTR

DES BY: P. STOEHR DATE: 11/19 DWG BY: B. PETERSON DATE: 12/19  
 DES CHK: S. NIFONG DATE: 01/20 CHK BY: M. WERNER DATE: 01/20



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED