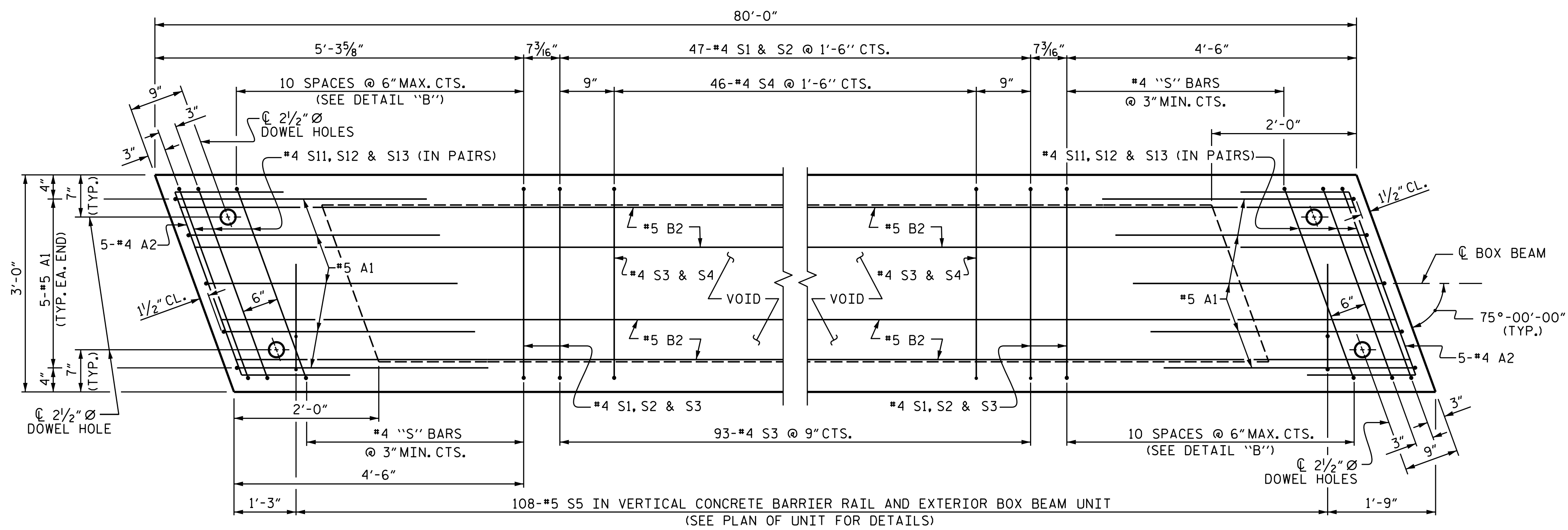


GRADE 270 STRANDS	
	0.6" Ø L.R.
AREA (SQUARE INCHES)	0.217
ULTIMATE STRENGTH (LBS. PER STRAND)	58,600
APPLIED PRESTRESS (LBS. PER STRAND)	43,950

BILL OF MATERIAL FOR ONE BOX BEAM SECTION											
BAR	NUMBER	SIZE	TYPE	EXTERIOR UNIT LENGTH	EXTERIOR UNIT WEIGHT	INTERIOR UNIT LENGTH	INTERIOR UNIT WEIGHT				
A1	10	#5	1	6'-8"	70	6'-8"	70				
A2	34	#4	2	5'-8"	129	5'-8"	129				
				B2	12	#5	STR	40'-11"	512	40'-11"	512
				K1	12	#4	6	6'-2"	49	6'-2"	49
				K2	8	#4	STR	2'-7"	14	2'-7"	14
				S1	67	#4	3	7'-6"	336	7'-6"	336
				S2	67	#4	3	5'-8"	254	5'-8"	254
				S3	113	#4	3	4'-10"	365	4'-10"	365
				S4	46	#4	4	5'-10"	179	5'-10"	179
				S11	12	#4	7	4'-10"	39	4'-10"	39
				S12	12	#4	7	3'-11"	31	3'-11"	31
				S13	12	#4	7	3'-6"	28	3'-6"	28
				*S5	108	#5	5	6'-0"	667	--	--
REINFORCING STEEL				2006	LBS.			2006	LBS.		
*EPOXY COATED REINF. STEEL				667	LBS.						
8000 P.S.I. CONCRETE				14.3	CU. YDS.			14.1	CU. YDS.		
0.6" Ø L.R. STRANDS				No.	24			No.	24		



ASSEMBLED BY : R. CAREATHERS/MP DATE : 6/3/15
CHECKED BY : M. PISO DATE : 6/25/15
DRAWN BY : DGE II/II REV. 9/14 MAA/TMG
CHECKED BY : TMG II/II

10/7/2016

Marshall G. Cheek, Jr.

Professional Engineer

Seal 20125

North Carolina

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. B-4814
SAMPSON COUNTY
STATION: 21+15.00 -L-
SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD

3'-0" X 2'-9"
PRESTRESSED CONCRETE
BOX BEAM UNIT

REVISIONS		NO.	BY:	DATE:
1				
2				
3				
4				

SHEET NO. **S3-7**
TOTAL SHEETS 46

STR. #3

STD. NO. 33PCBB4_75S_80L