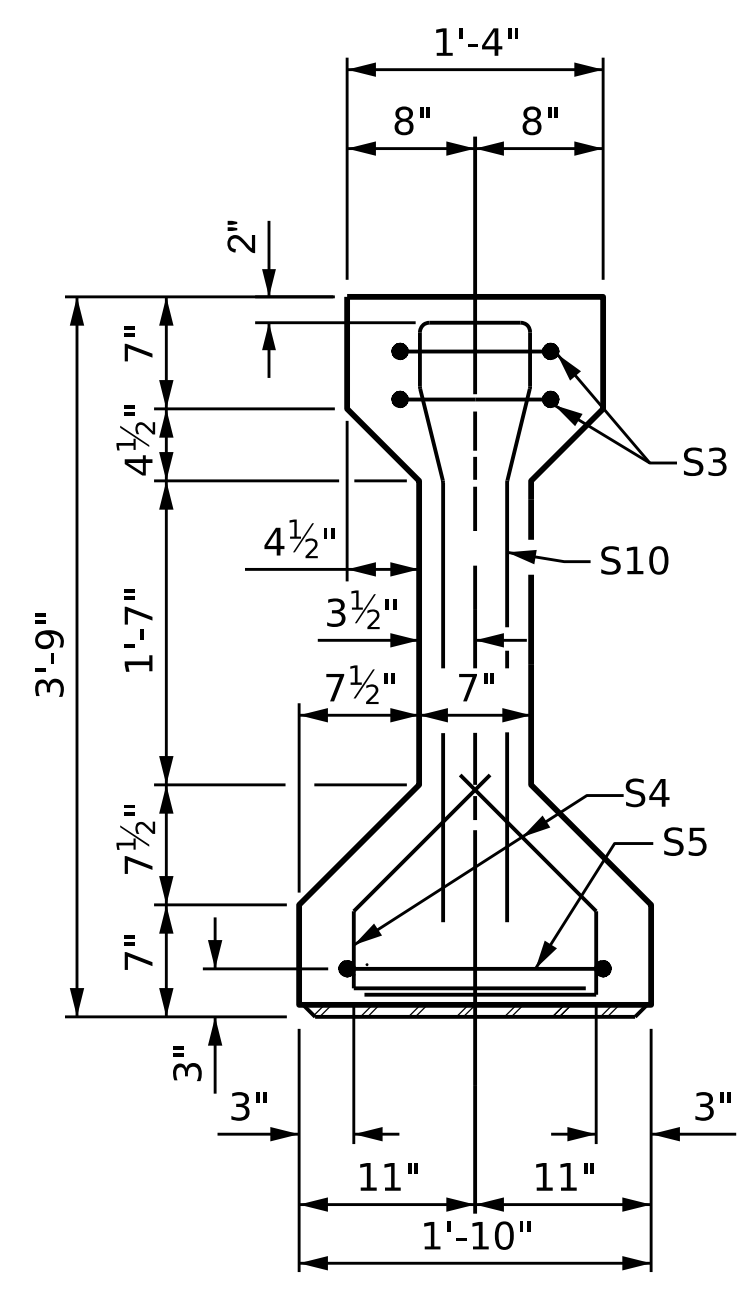
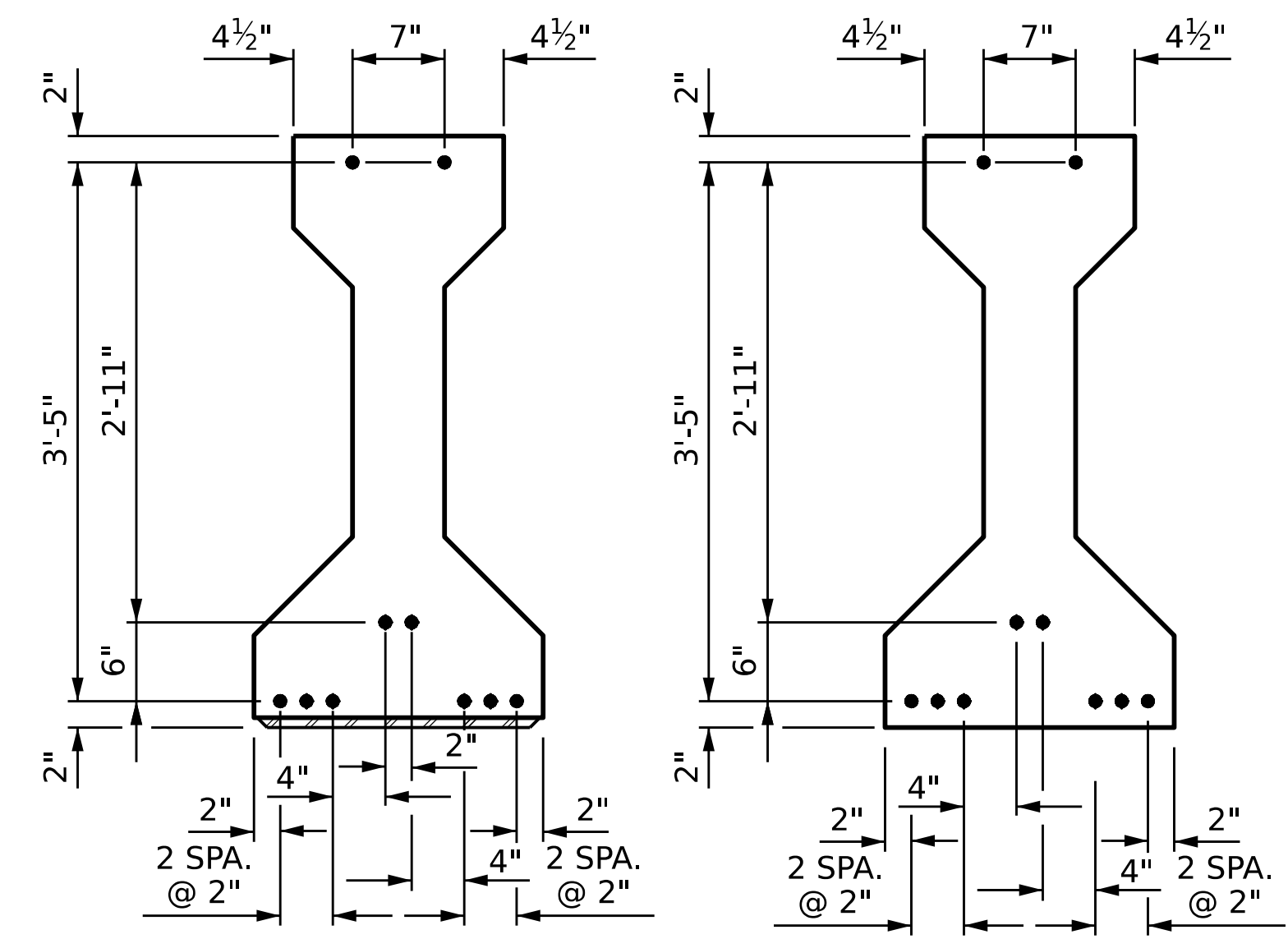


SECTION A-A

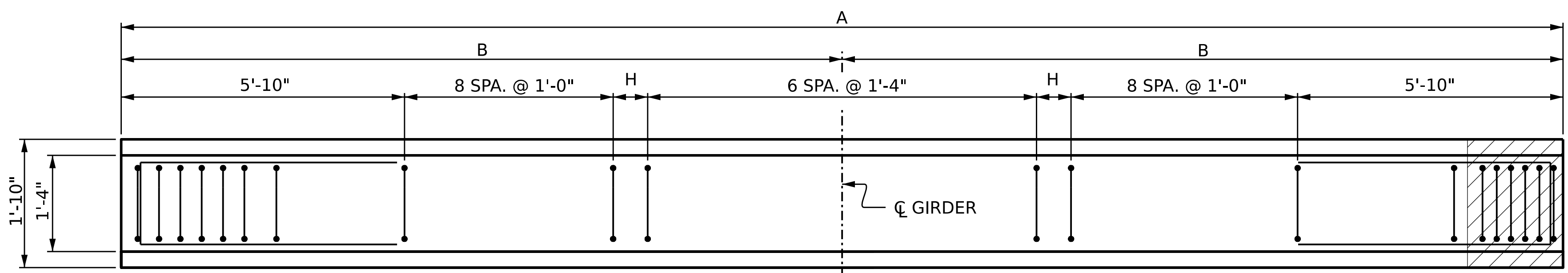


SECTION B-B

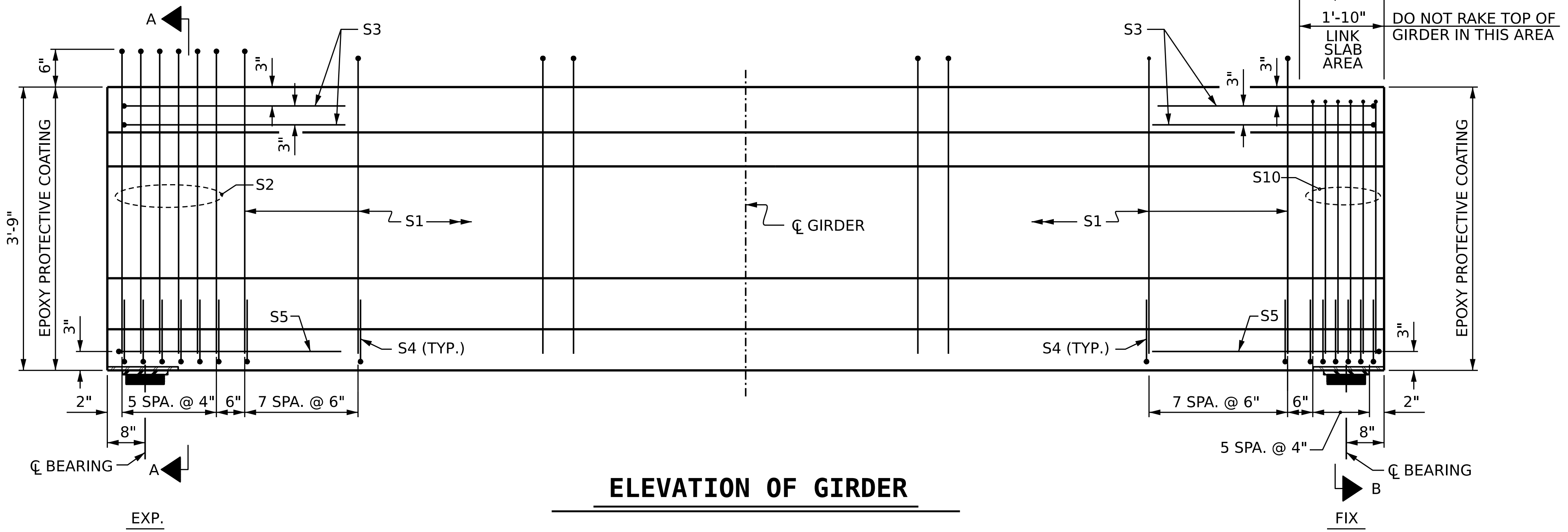
DEBONDING LEGEND
 • FULLY BONDED STRANDS



0.6" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER

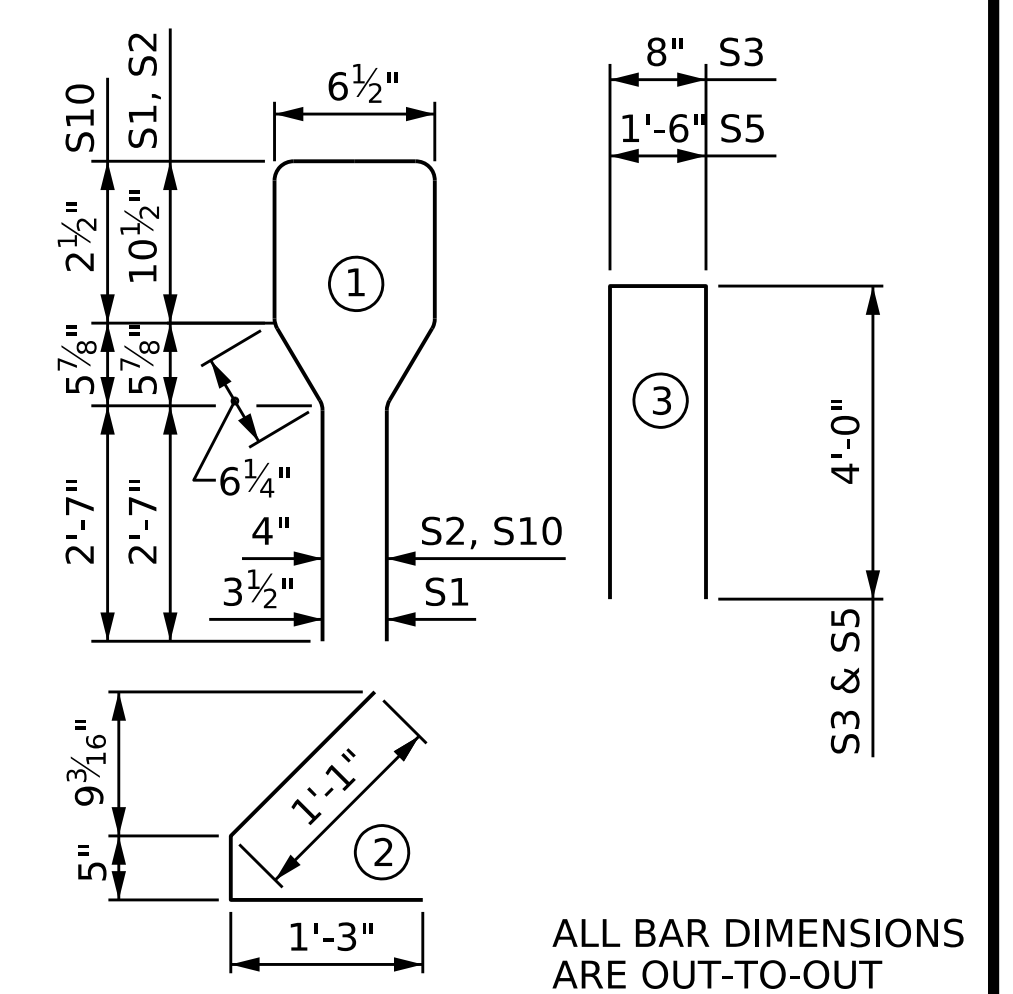


ELEVATION OF GIRDER

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

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	39	#4	1	8'-6"	221
S2	6	#6	1	8'-6"	77
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
S5	2	#4	3	9'-6"	13
S10	6	#6	1	7'-2"	65

BAR TYPES



ALL BAR DIMENSIONS ARE OUT-TO-OUT

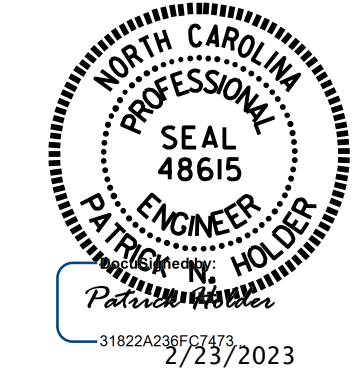
QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	5000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
EXT. GIRDER	502	5.5	10
INT. GIRDER	502	5.5	10

GIRDERS REQUIRED

GIRDER	A	B	H
A1	37'-11"	18'-11 1/2"	1'-1 1/2"
A2	37'-10 7/8"	18'-11 1/16"	1'-1 1/16"
A3	37'-10 3/4"	18'-11 3/8"	1'-1 3/8"
A4	37'-10 5/8"	18'-11 1/16"	1'-1 1/16"
A5	37'-10 1/2"	18'-11 1/4"	1'-1 1/4"

PROJECT NO. **BR-0073**
COLUMBUS COUNTY
 STATION: **18+24.50 -L-**
 SHEET 1 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD AASHTO TYPE III PRESTRESSED CONCRETE GIRDER - LINK SLAB (SPAN A)

ASSEMBLED BY : PNH	DATE : 10-22
CHECKED BY : SN	DATE : 10-22
DRAWN BY : BNB 09/21	
CHECKED BY : AAI 09/21	

VOLKERT
 5430 Wade Park Blvd., Suite 410
 Raleigh, NC 27607
 Tel. 919-854-0344 Fax. 919-854-0355
 NC License No. F-0765

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	S-14
1			3	TOTAL SHEETS 38
2			4	