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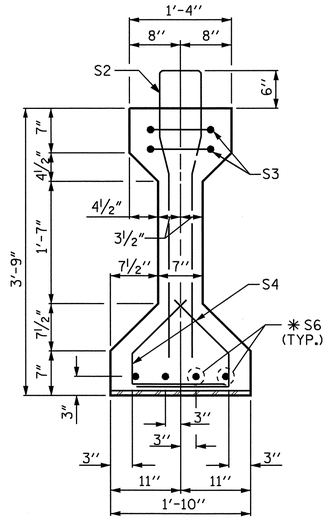
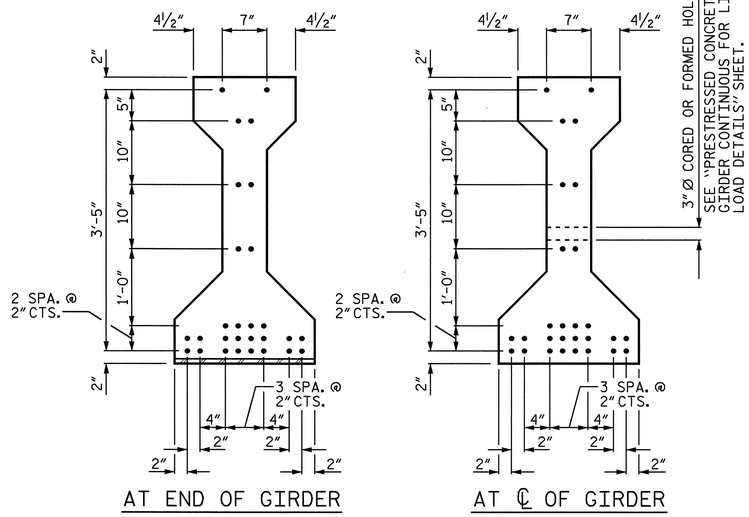
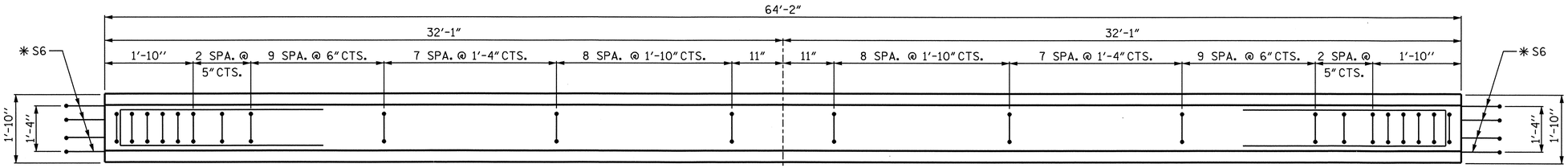


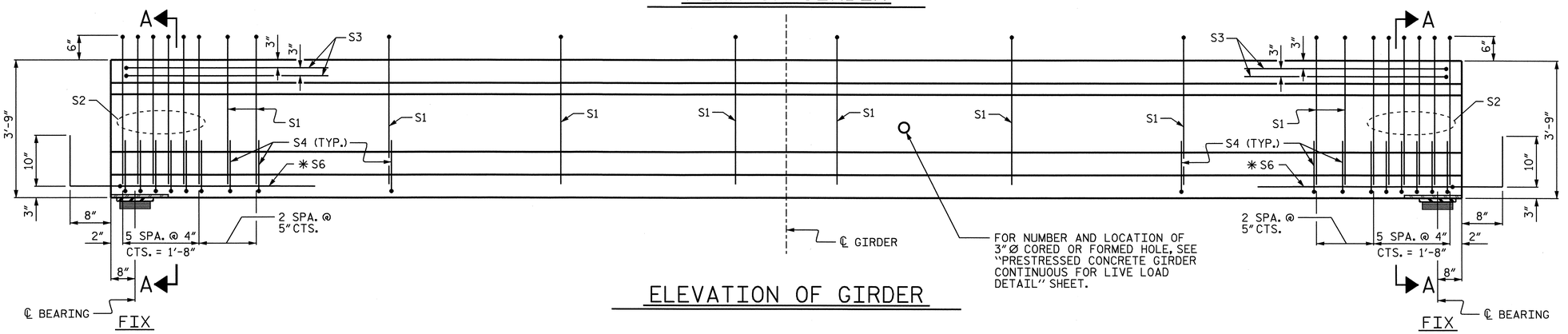
SECTION A-A



½"Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

½"Ø L.R GRADE 270 STRANDS

AREA (IN^2)	ULTIMATE STRENGTH (LBS./STRAND)	APPLIED PRESTRESS (LBS./STRAND)
0.153	41,300	30,980

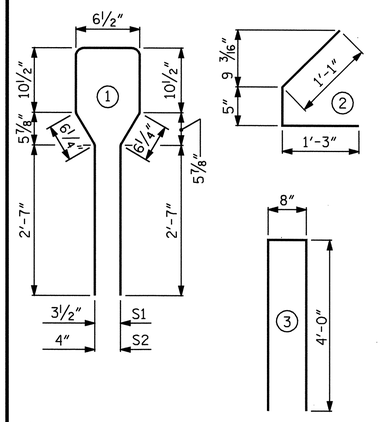
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	52	#4	1	8'-6"	295
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	68	#4	2	2'-9"	125
✱S6	8	#5	STR	3'-8"	31

✱NOTE: S6 BARS SHALL BE BENT AFTER GIRDER FABRICATION AND BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	6000 PSI CONCRETE	½"Ø L.R. STRANDS
	LB.	C.Y.	No.
FOR ONE GIRDER	627	9.2	28

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	64'-2"	256.67

PROJECT NO. B-3885

ORANGE COUNTY

STATION: 17+75.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

AASHTO TYPE III
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN "B"

NORTH CAROLINA PROFESSIONAL SEAL 10753 ENGINEER PATRICK C. OUTLAW
3/23/04

ASSEMBLED BY : P.C. BREWER	DATE : 7/22/03	CADD STANDARD
CHECKED BY : S.B. WILLIAMS	DATE : 7/31/03	
DRAWN BY : RB 2/97		
CHECKED BY : VP 2/97		

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
1			3			TOTAL SHEETS
2			4			33