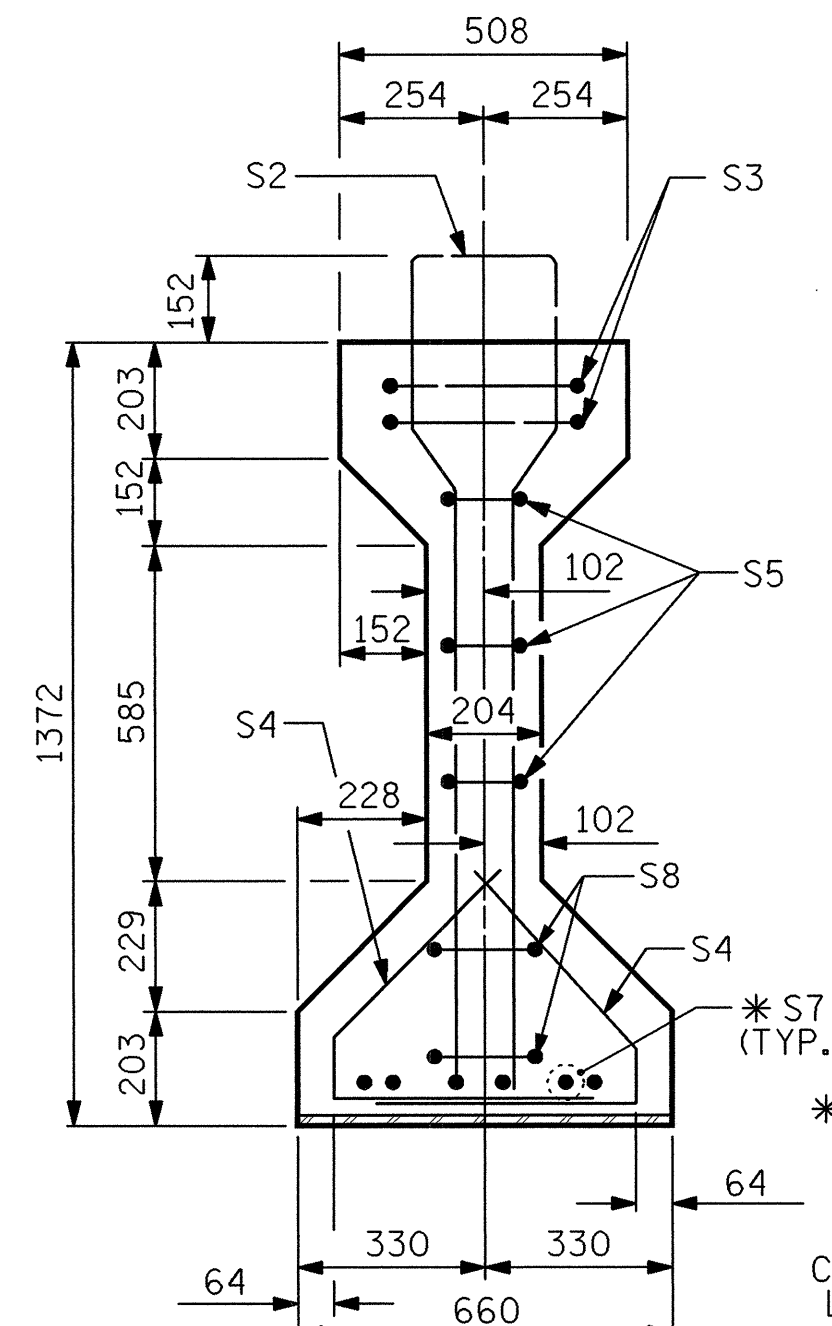
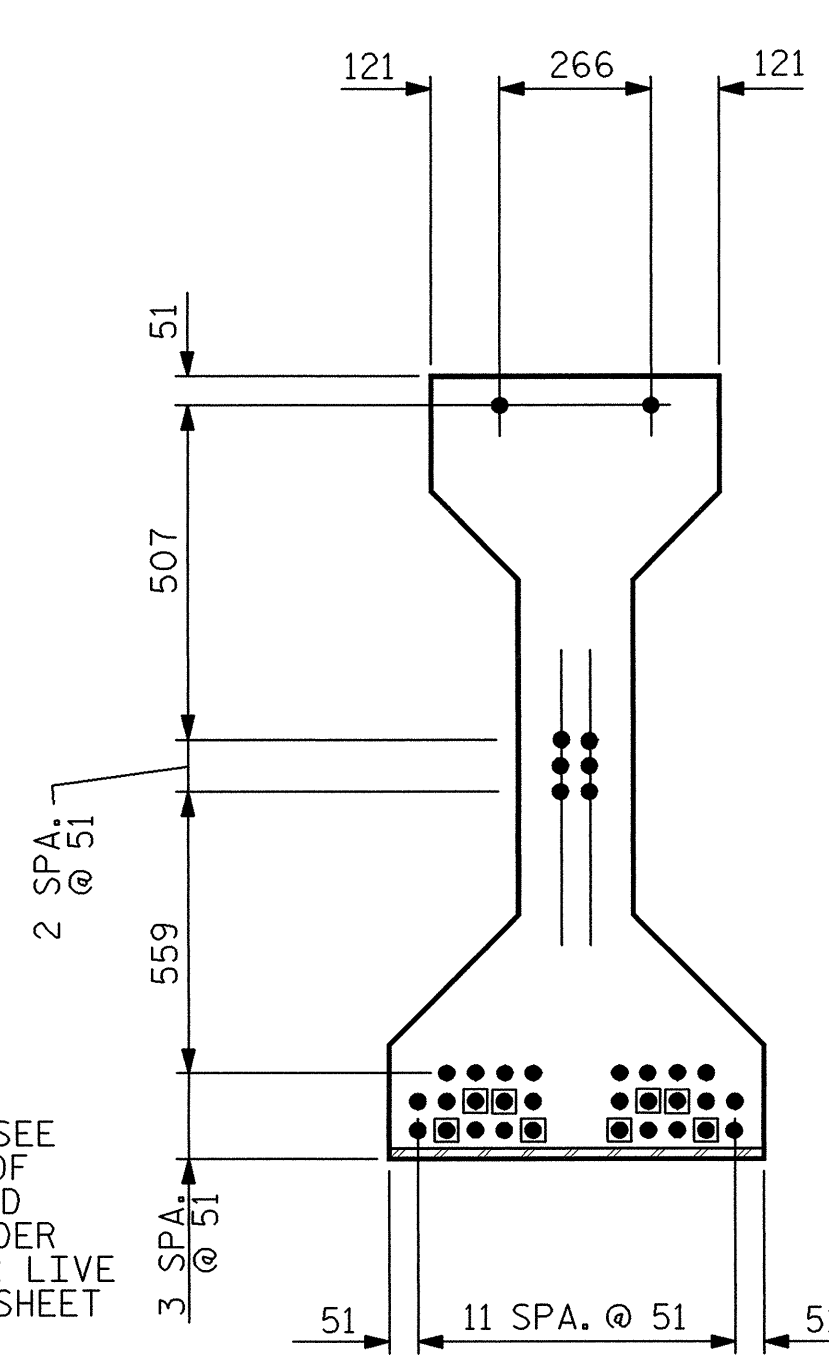


SECTION A-A

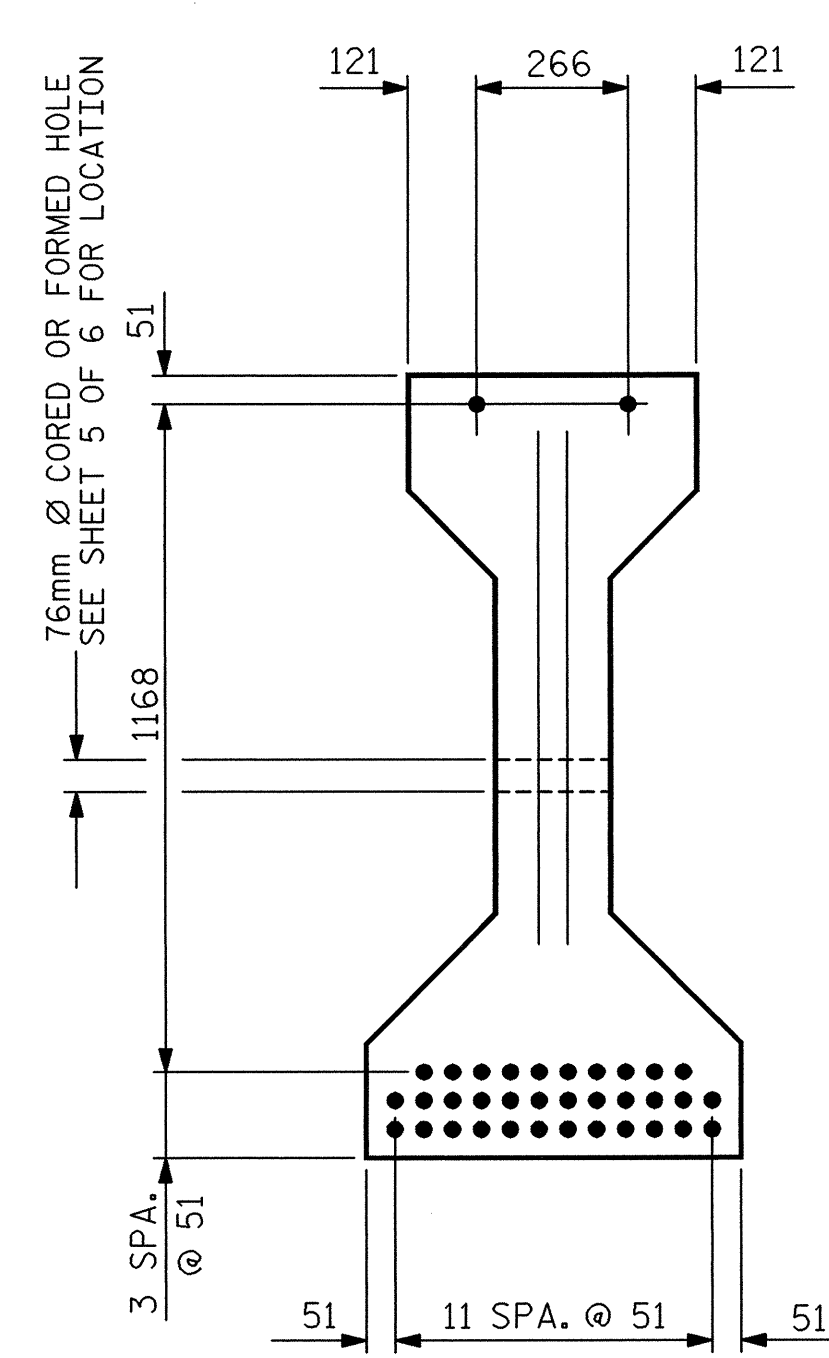


SECTION B-B

* FOR S7 BARS, SEE
DETAIL "A" OF
PRESTRESSED
CONCRETE GIRDER
CONTINUOUS FOR LIVE
LOAD DETAILS SHEET



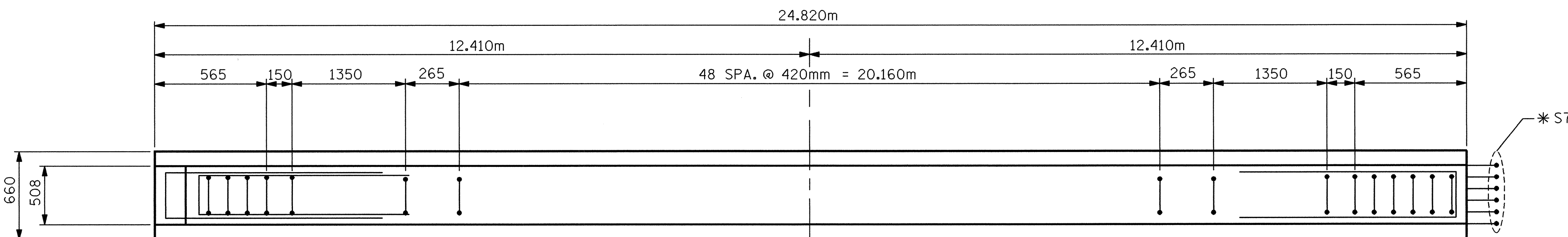
AT END OF GIRDER



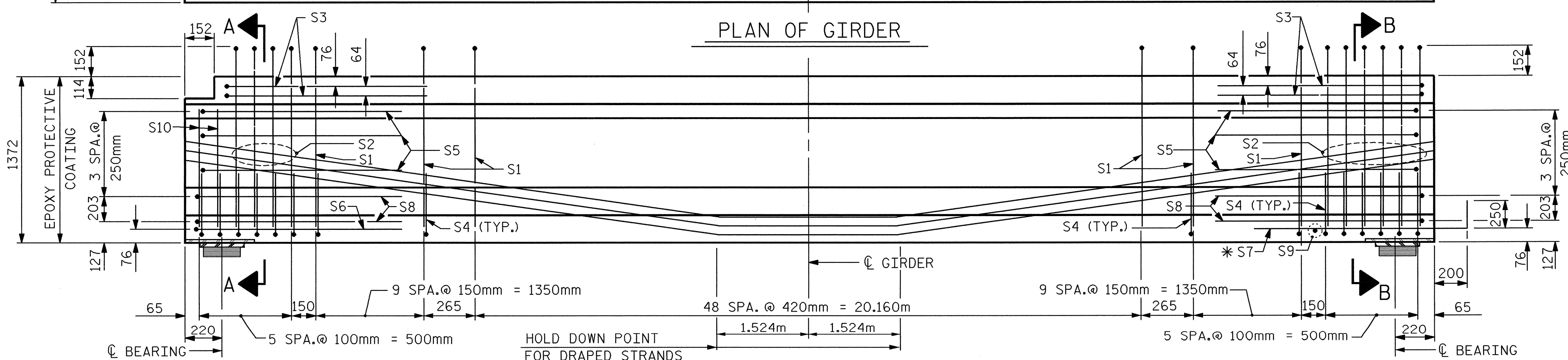
AT C OF GIRDER

12.70mm Ø LOW RELAXATION STRAND LAYOUT

■ DENOTES DEBONDED STRAND FOR 2.0m FROM END OF GIRDER



PLAN OF GIRDER



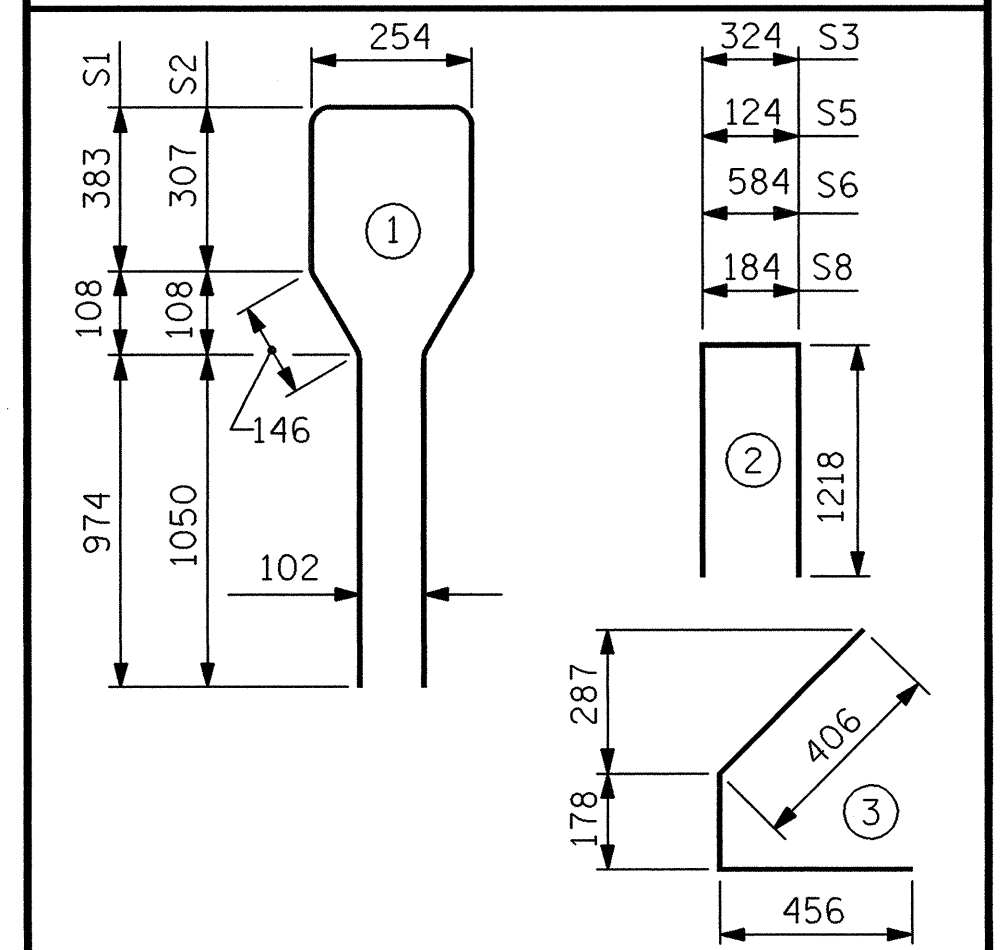
ELEVATION OF GIRDER

12.70mm Ø L.R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	69	#13	1	3260	224
S2	10	#19	1	3260	73
S3	4	#13	2	2760	11
S4	64	#13	3	1040	66
S5	6	#13	2	2560	15
S6	1	#13	2	3020	3
* S7	6	#16	STR	1120	10
S8	4	#13	2	2620	10
S9	1	#10	STR	560	1
S10	4	#19	STR	1140	10

* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

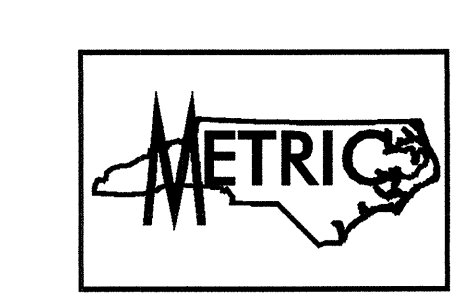
BAR TYPES



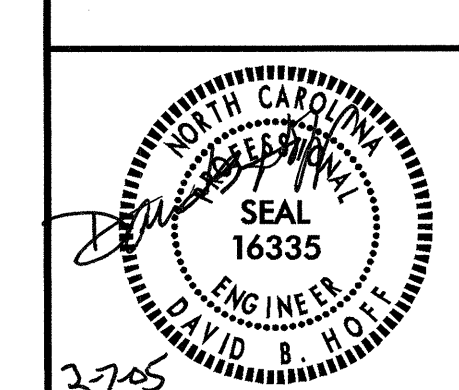
QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	37.9 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
SPANS: "B", "D", "E", "G", & "H"	423	12.63	36

GIRDERS REQUIRED			
SPAN	NUMBER	LENGTH	TOTAL LENGTH
B	5	24.820m	124.100m
D	5	24.820m	124.100m
E	5	24.820m	124.100m
G	5	24.820m	124.100m
H	5	24.820m	124.100m

PROJECT NO. R-2552AB
JOHNSTON COUNTY
STATION: 40+80.000 -L- P.O.C.
SHEET 2 OF 6



TRANSYSTEMS CORPORATION
75 Beattie Place, Suite 400
Greenville, SC 29601 (864) 234-0866



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPANS "B", "D", "E", "G", "H"
(LEFT LANE)

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	5-279	
1			3			TOTAL SHEETS	
2			4			429	

DWG. NO.	TOTAL
20	68

ASSEMBLED BY : JCP	DATE : 7/01
CHECKED BY : JTD	DATE : 7/01
DRAWN BY : ELR 8/91	REV. 5/16/97 EEM/RGW
CHECKED BY : GRP 8/91	REV. 7/17/98 RWW/LES
	REV. 10/17/00 RWW/LES

FILE# \$ DATE\$ \$ TIME\$

STD. NO. P066SM