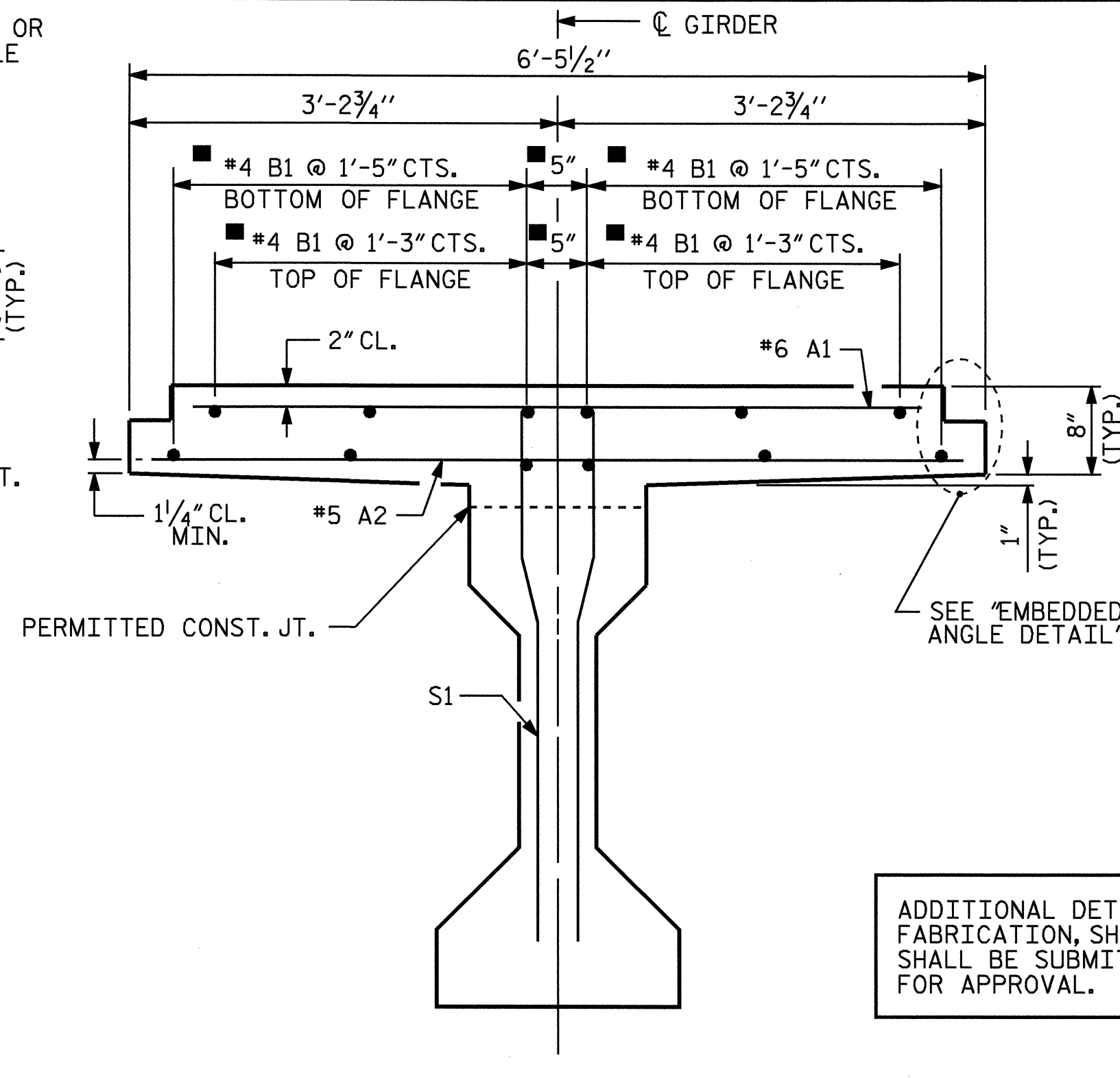
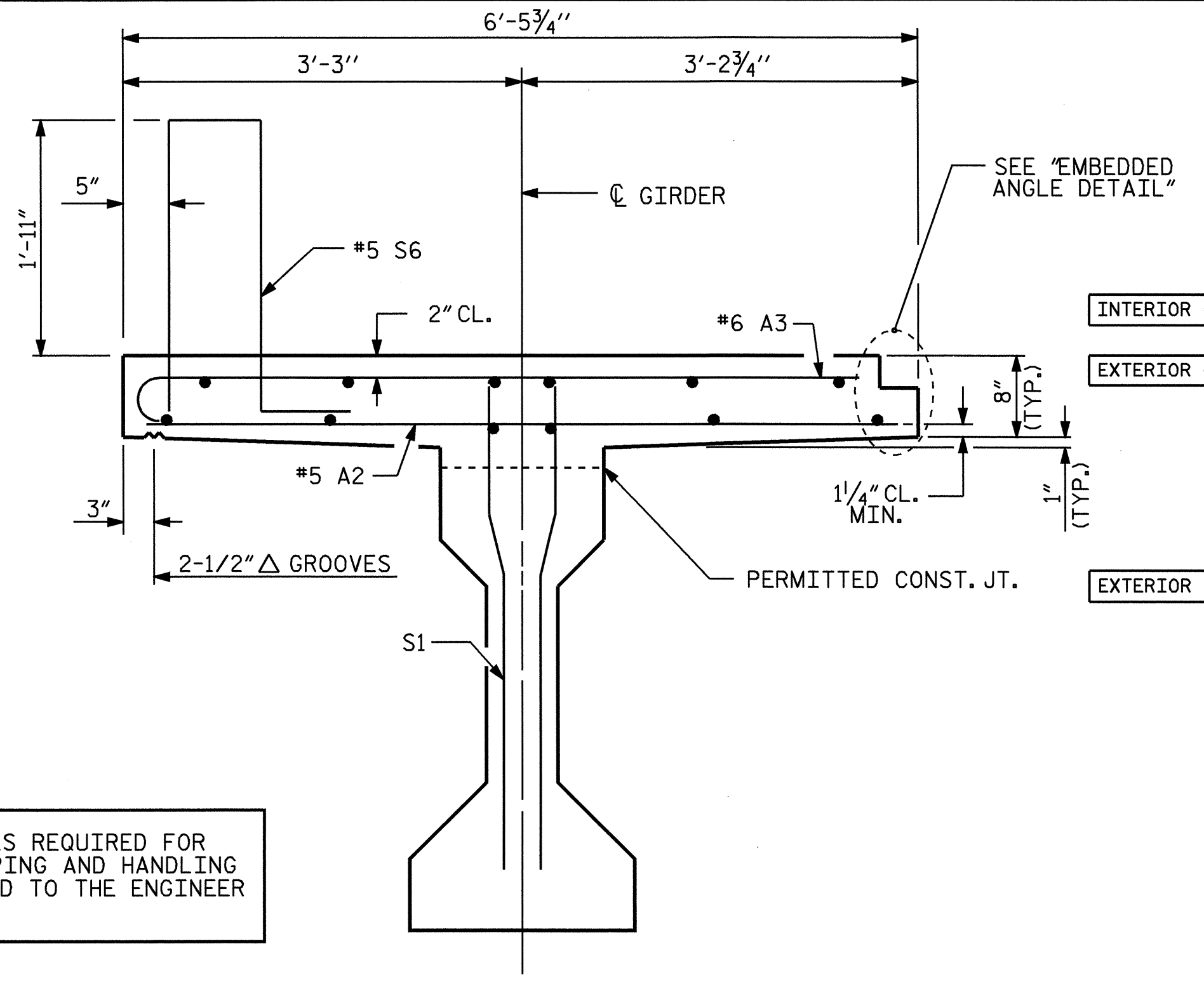


SECTION A-A
(INTERIOR SHOWN)



SECTION B-B

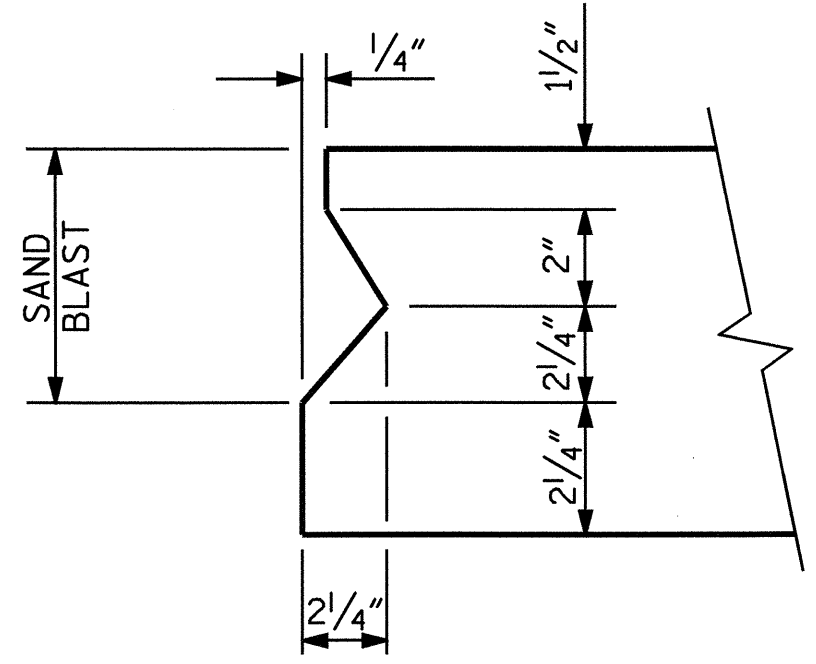
■ B1 BAR PLACEMENT TYPICAL FOR INTERIOR AND EXTERIOR GIRDERS



SECTION C-C

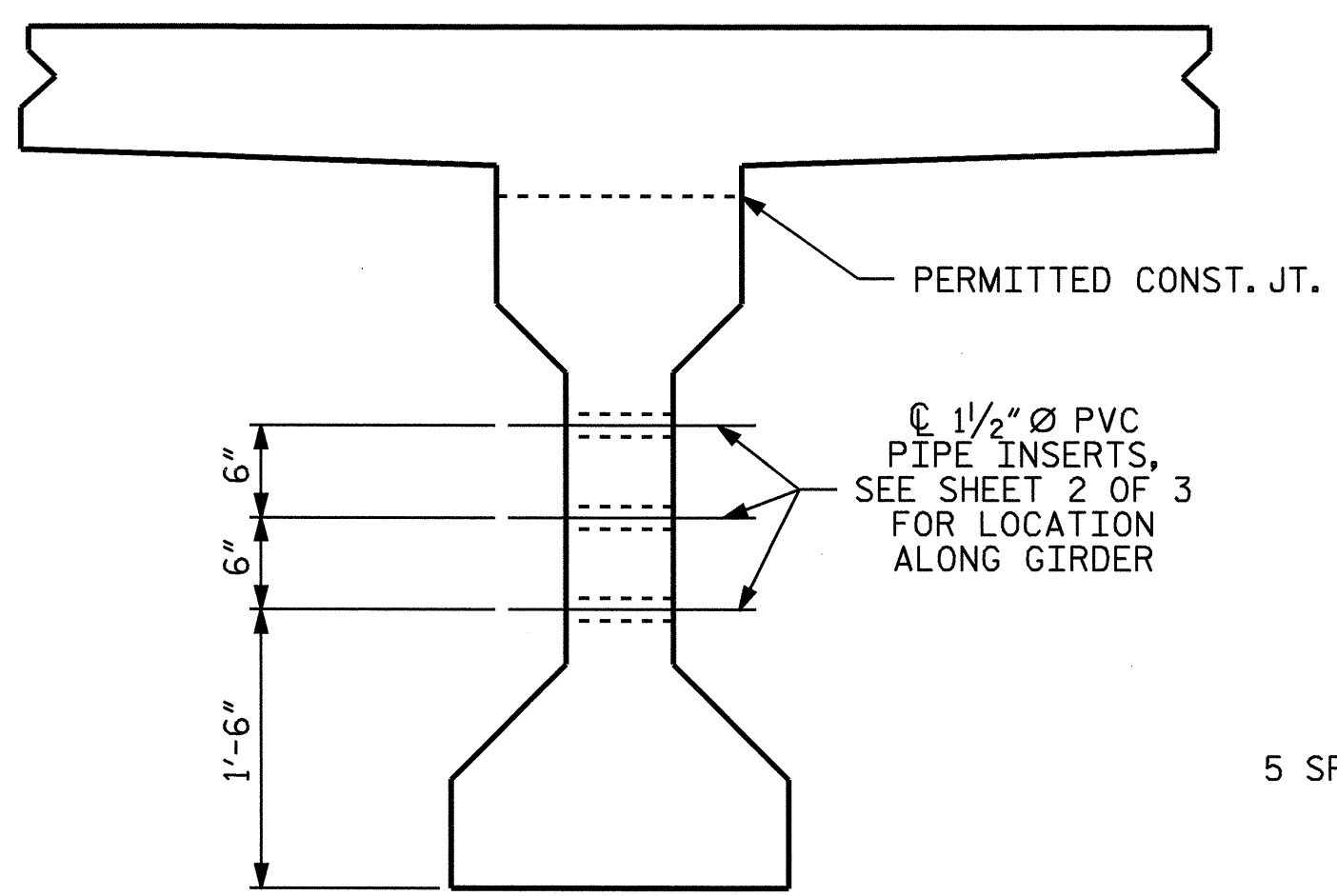
*#6 A3 MAY BE TURNED AS NEEDED TO PROVIDE THE 1/4" MIN. CL. AT BOTTOM OF SLAB

ADDITIONAL DETAILS REQUIRED FOR FABRICATION, SHIPPING AND HANDLING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

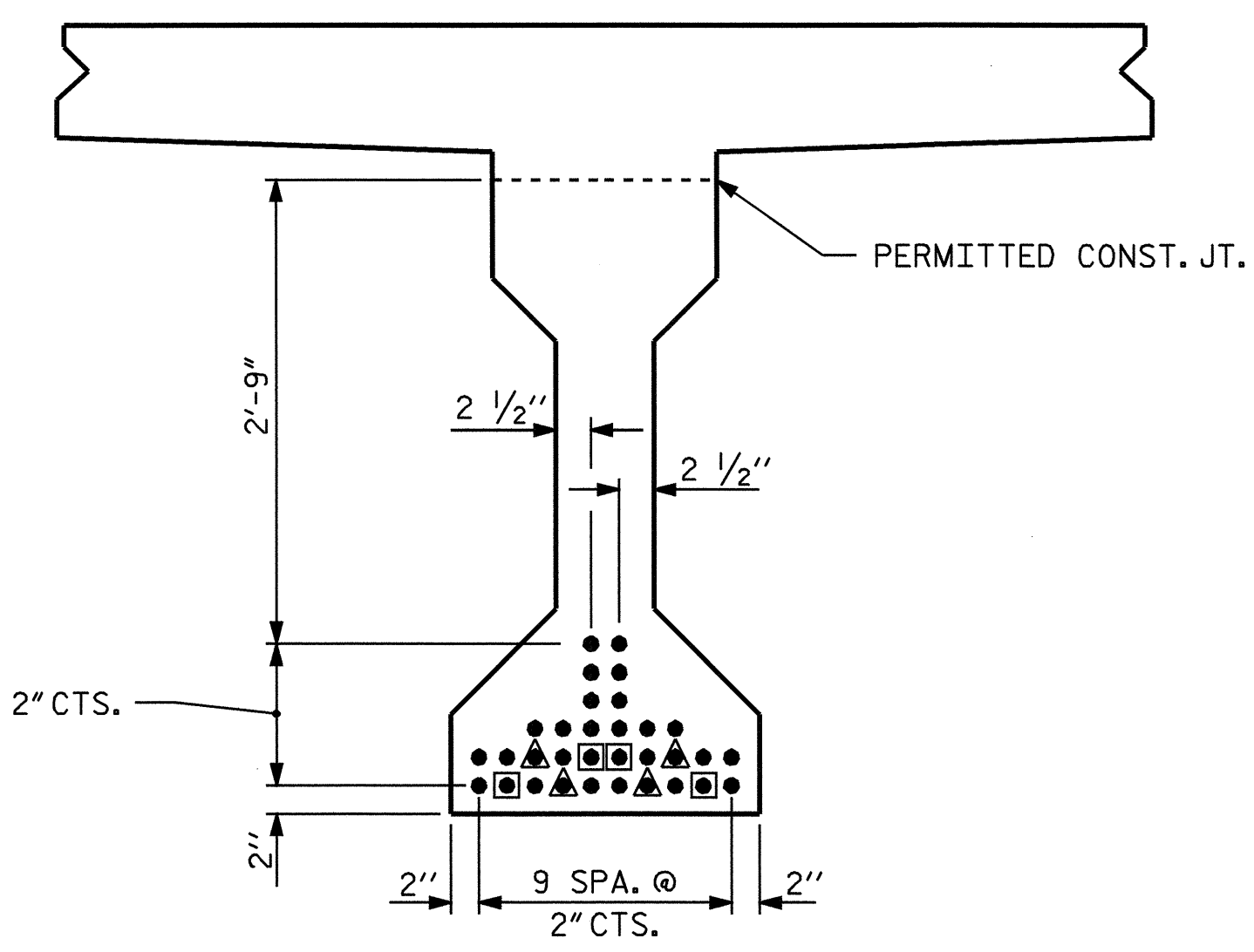


SHEAR KEY DETAIL

(NOT REQUIRED ON OUTSIDE OF EXTERIOR GIRDER)
SAND BLAST SHEAR KEYS BEFORE TRANSPORTING GIRDERS TO PROJECT SITE



SECTION @ DIAPHRAGM



AT END OF GIRDER
32 STRANDS ALL STRAIGHT
(8 DEBONDED)

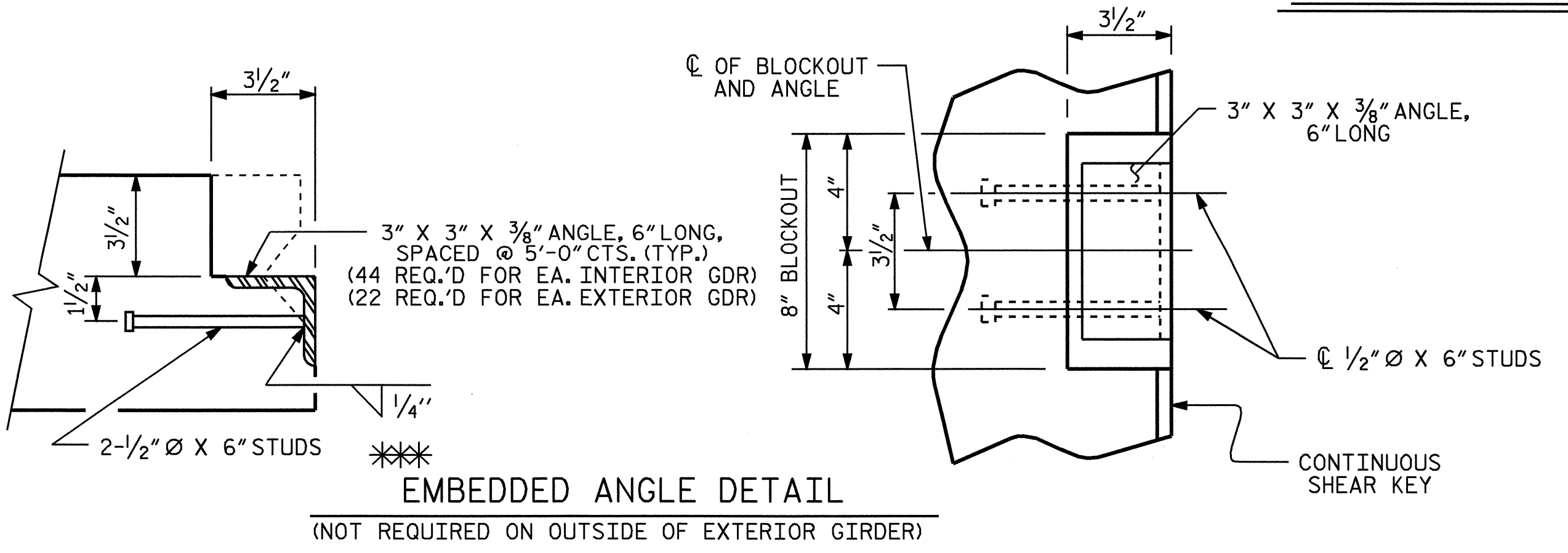
0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND

- FULLY BONDED STRANDS
- ◐ STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- ◑ STRANDS DEBONDED FOR 22'-0" FROM END OF GIRDER

DEAD LOAD DEFLECTION AND CAMBER	
CAMBER (GIRDER ALONE IN PLACE)	↑ 5"
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD ***	↓ 2"
FINAL CAMBER	↑ 3"

*** INCLUDES FUTURE WEARING SURFACE



EMBEDDED ANGLE DETAIL

(NOT REQUIRED ON OUTSIDE OF EXTERIOR GIRDER)

*** FOR THE CONNECTOR PLATE THAT GOES WITH THIS ASSEMBLY, SEE THE "TOP FLANGE CONNECTION" DETAIL ON THE "TYPICAL SECTION AND DETAILS" PLAN SHEET.

ASSEMBLED BY : B. C. HANKS
CHECKED BY : R.W. WRIGHT
DATE : 2/9/05
DATE : 3/2/05

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

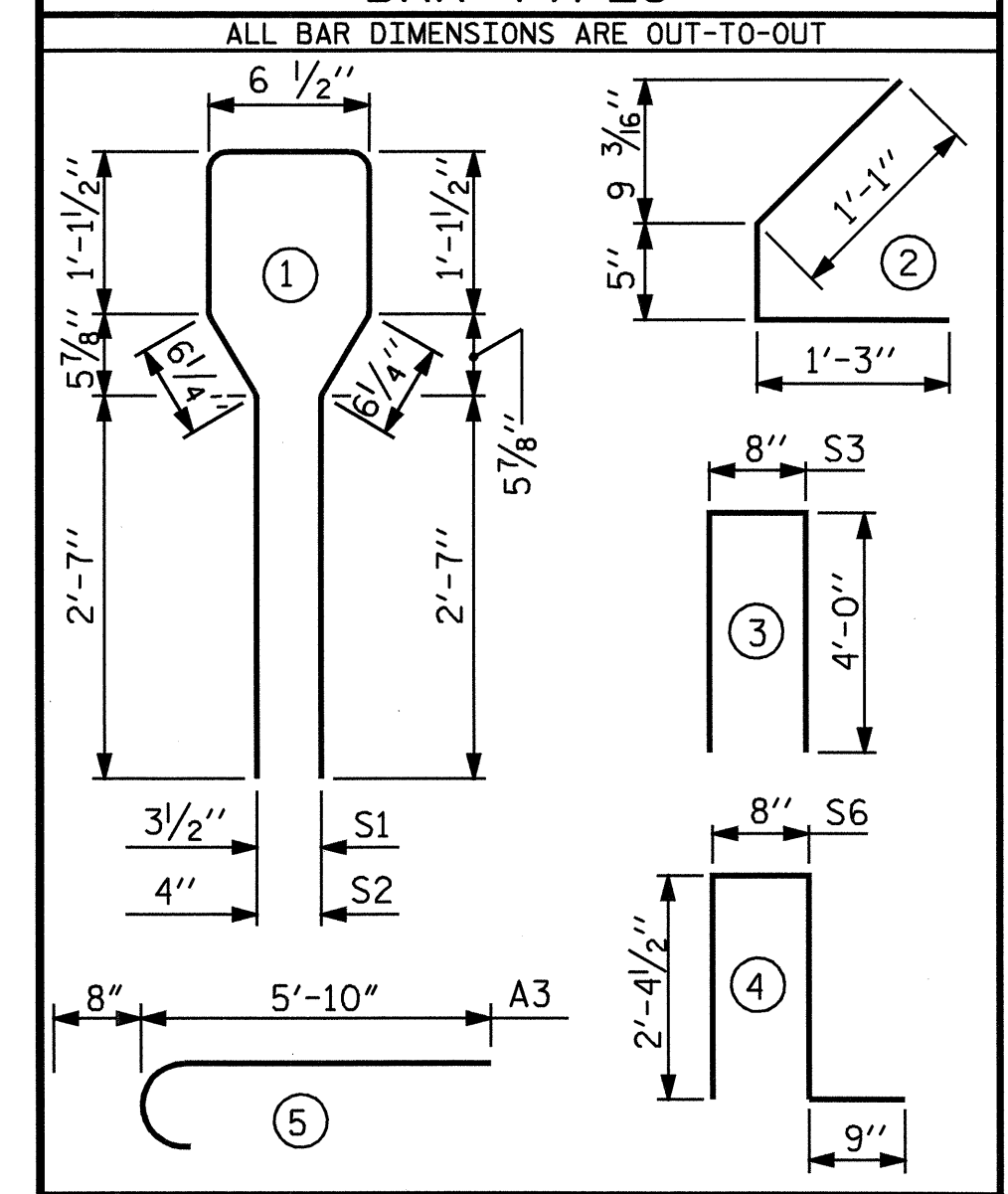
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
INTERIOR GDR.	A1	215	#6	STR	5'-6"	1776
	A2	215	#5	STR	6'-2"	1383
EXTERIOR GDR.	A3	215	#6	5	6'-6"	2099
	B1	48	#4	STR	28'-3"	906
	S1	132	#4	1	9'-0"	794
	S2	10	#5	1	9'-0"	94
	S3	4	#4	3	8'-8"	23
	S4	68	#4	2	2'-9"	125
	*S5	20	#5	STR	9'-2"	191
EXTERIOR GDR.	*S6	108	#5	4	6'-2"	695

*** NOTE: S5 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

* EPOXY COATED REINFORCING STEEL

BAR TYPES



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	9,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
INTERIOR GIRDER	5292	34.5	32
EXTERIOR GIRDER	6310	34.8	32

GIRDERS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
INT. GDR.	3	107'-4"	322.00'
EXT. GDR.	2	107'-4"	214.67'

PROJECT NO. B-3700
STANLY COUNTY
STATION: 16+85.00 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPE III PRESTRESSED
CONCRETE DECK GIRDER

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-6
2			4			TOTAL SHEETS 22

