

а	DEPTH	+ ³ / ₈ " TO - ¹ / ₈ "
b	WIDTH	± ¼"
с	LENGTH (LENGTH OF ADJACENT CORED SLABS MUST BE WITHIN \pm ½".)	± ¹ / ₈ " PER 10'
,	POSITION OF VOIDS: VERTICAL	± ³ / ₈ "
d	POSITION OF VOIDS: HORIZONTAL	± ³ / ₈ "
е	POSITION OF VOID ENDS: LONGITUDINAL	± 1"
f	SQUARE ENDS: DEVIATION FROM SQUARE (HORIZONTAL OR VERTICAL) OR DESIGNATED SKEW	± ¼"
g	HORIZONTIAL ALIGNMENT: DEVIATION FROM A STRAIGHT LINE PARALLEL TO THE CENTERLINE OF MEMBER	±¾"
	CAMBER: DIFFERENTIAL BETWEEN ADJACENT UNITS	¹ / ₄ " IN 10', ³ / ₄ " MAX.
h	CAMBER: DIFFERENTIAL BETWEEN HIGH AND LOW MEMBERS OF THE SAME SPAN	³ ⁄ ₄ " MAX.
	POSITION OF DOWEL HOLES: DEVIATION FROM PLAN POSITION	± ¼"
	WIDTH: DIFFERENTIAL OF ADJACENT SPANS IN THE SAME STRUCTURE	±¾"
i	MAX. WIDTH - ANY ONE SPAN	PLAN WIDTH + $\frac{1}{8}$ " PER JOINT
	BEARING AREA: DEVIATION FROM PLANE SURFACE	$\pm \frac{1}{16}$ "
j	LOCAL SMOOTHNESS	¹ ⁄ ₄ " IN 10'
k	HORIZONTAL POSITION OF HOLES FOR TRANSVERSE TIE RODS	$\pm \frac{1}{2}$ "
1	VERTICAL POSITION OF HOLES FOR TRANSVERSE TIE RODS	$\pm \frac{3}{8}$ "

STRANDS, AND RE ALSO, INCLUDE AL JOINT, SHEAR KEY, **APPLIED ELASTIC**

FOR LOCATIONS OF

THE $2\frac{1}{2}$ " Ø DOWEL

ENGINEER WHEN US

<u>+</u> ¼"

POSITION OF STRANDS

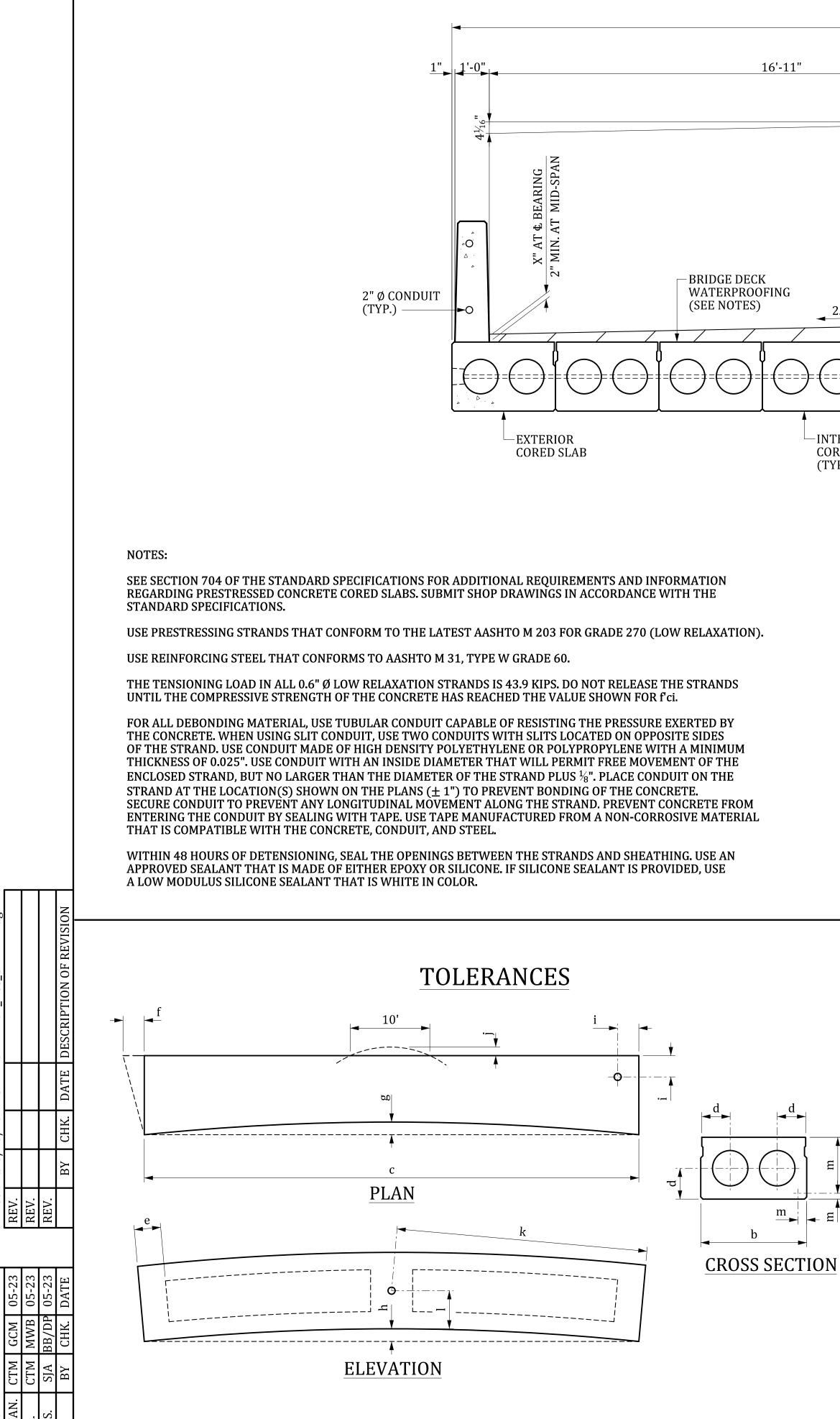
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		BRIDGE PLANS ID	SHEET	
		####-####	####	
TIE ROD POCKET DETAIL" ON TRESSED CONCRETE CORED SI	AB XX'			
DETAILS" SHEET				
D:				
	CESSES FOR TRANSVERSE TIE RODS AFTER T			
	SLABS, FILL THE DOWEL HOLES WITH COLD FILL THE REMAINING PORTION WITH GROU			
D FOR A MINIMUM OF THREE DA APET.	AYS, AND HAS ATTAINED THE REQUIRED ST	RENGTH, PLACE		
	UTS IN THE BARRIER PARAPETS. CENTER B			
AL BARRIER REINFORCING AND OVIDE 2" CLEARANCE TO BLOC) FIELD CUT LONGITUDINAL BARRIER REINI K-OUTS.	ORCING AS		
	RRIER PARAPET INSTEAD OF SLIP FORMING H FACES OF PARAPET ARE CAST VERTICAL			
	DDITIONAL EXPENSE TO THE DEPARTMEN			
	, THAT COMPLIES WITH THE REQUIREMEN	TS OF THE SPECIAL		
	O SLABS AFTER SEALING THE JOINTS AND P			
	ING, FABRICATING, AND PLACING CONCRET			
L COSTS ASSOCIATED WITH FU	HE CORED SLABS IN THE UNIT PRICE BID FO RNISHING AND INSTALLING EPOXY PROTEC	TIVE COATING,		
, RECESS, AND DOWEL HOLE FI FILLER IN THE UNIT PRICE BID	LLER MATERIALS INCLUDING GROUT, BACK FOR THE CORED SLABS.	ER ROD, AND COLD		
FIXED AND EXPANSION BEARIN	NGS, SEE "BRIDGE PLAN & PROFILE" SHEET.			
F DECK DRAINS, SEE "PRESTRES	SSED CONCRETE CORED SLAB XX' SPAN - PL	AN" SHEET.		
L HOLES MAY BE FORMED USING	G PLASTIC CORRUGATED DUCT THAT IS LEF	Γ IN PLACE.		
	CONSULTANT NA	ME/LOGO		
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RNISHED FOR INFORMATION NS SHOWN ARE SHEET	DEPARTMENT OF TRA			
F THIS DESIGN AND G DIMENSIONS, MUST BE	PRESTRESSED CONCRE	ETE CORFD S	LAR	
ER'S ENGINEER TO ENSURE E FOR THE INTENDED USE. E RE SIGNED AND SEALED BY	TYPICAL SUPERSTRUC			
Γ BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL ED.	27'-10" ROAD			
ו ענ				

COUNTY: ####

ROUTE: ####

DRAWING NUMBER: 704-ACS.TYP.R28



	BRIDGE PLANS ID SHEET
36'-0"	+++++++++++++++++++++++++++++++++++++++
SYMMETRICAL ABOUT & BRIDGE	CAST-IN-PLACE MASH BARRIER PARAPET
2.0%	SEE "TIE ROD POCKET DETAIL" ON "PRESTRESSED CONCRETE CORED SLAB XX' SPAN DETAILS" SHEET
INTERIOR CORED SLAB (TYP.) TYPICAL SECTION DECK DRAINS NOT SHOWN. -3" Ø HOLE FOR 1¼" Ø TRANSVERSE TIE ROD (TIE ROD NOT SHOWN)	
NOTES CONTINUED:	NOTES CONTINUED:
WHEN CASTING THE CORED SLABS, USE A POSITIVE HOLD-DOWN SYSTEM TO PREVENT THE VOIDS FROM RISING OR MOVING SIDEWAYS. USE A NON-CORROSIVE HOLD-DOWN SYSTEM THAT IS DESIGNED TO REMAIN IN PLACE UNTIL THE CONCRETE ATTAINS THE SPECIFIED RELEASE STRENGTH. INCLUDE DETAILS OF THE HOLD-DOWN SYSTEM IN THE SHOP PLAN SUBMITTAL. ALWAYS MAINTAIN CORED SLABS IN AN UPRIGHT POSITION. USE LIFTING DEVICES LOCATED WITHIN 2'-6" OF THE ENDS TO LIFT OR HANDLE THE CORED SLABS. PROVIDE A 1" DEEP RECESS AT THE LIFTING DEVICES. GROUT THE RECESSES PRIOR TO WATERPROOFING THE TOP SURFACE OF THE CORED SLABS. DO NOT PERMIT THE CORED SLABS TO BE PLACED OR STORED ON INTERIOR SUPPORTS CAUSING NEGATIVE MOMENTS.	GROUT ALL SHEAR KEYS, DOWEL HOLES, AND RECESSES FOR TRANSVERSE TIE RODS AFTER TIGHTENING THE TRANSVERSE TIE RODS. AT EXPANSION ENDS OF SLABS, FILL THE DOWEL HOLES WITH COLD APPLIED ELASTIC FILLER TO 1 ¹ / ₂ " ABOVE THE TOP OF DOWELS AND FILL THE REMAINING PORTION WITH GROUT. AFTER THE GROUT HAS CURED FOR A MINIMUM OF THREE DAYS, AND HAS ATTAINED THE REQUIRED STRENGTH, PLACE THE BARRIER PARAPET. CONSTRUCT 7" WIDE BY 6" HIGH DRAIN BLOCK-OUTS IN THE BARRIER PARAPETS. CENTER BLOCK-OUTS IN BETWEEN VERTICAL BARRIER REINFORCING AND FIELD CUT LONGITUDINAL BARRIER REINFORCING AS NECESSARY TO PROVIDE 2" CLEARANCE TO BLOCK-OUTS.
TIE ROD ASSEMBLIES INCLUDE A $1\frac{1}{4}$ " Ø ROD, TWO HEAVY HEX NUTS, TWO LOCK WASHERS, AND TWO 5" x 5" x $\frac{5}{8}$ " PLATE WASHERS. THREAD 8" ON EACH END OF THE TIE RODS. PROVIDE TIE RODS AND PLATE WASHERS MEETING THE REQUIREMENTS OF AASHTO M 270, GRADE 36. PROVIDE NUTS MEETING THE REQUIREMENTS OF ASTM A 563, GRADE A. GALVANIZE TIE RODS AND ALL HARDWARE IN ACCORDANCE WITH AASHTO M 111,	IF THE CONTRACTOR ELECTS TO HAND FORM BARRIER PARAPET INSTEAD OF SLIP FORMING, CAST A UNIFORM 12" THICK BARRIER PARAPET. ENSURE THAT BOTH FACES OF PARAPET ARE CAST VERTICAL AND PARALLEL TO ONE ANOTHER. PERFORM THIS WORK AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT. ALSO, NOTE ON AS-BUILT PLANS IF HAND FORMED BARRIER WAS UTILIZED.

AASHTO M 232, OR ASTM F 2329 AS APPLICABLE. INSTALL TIE RODS FOR TEST FIT DURING FIT UP OF SPAN IN CASTING YARD. INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING AND INSTALLING TIE ROD ASSEMBLIES IN THE UNIT PRICE BID FOR THE CORED SLABS.

PLACE CORED SLABS SO THAT THE MAXIMUM TRANSVERSE JOINT WIDTH AT ANY LOCATION ALONG THE BENT DOES NOT EXCEED $1\frac{7}{8}$ ".

+¾" TO -⅛" DEPTH $\pm \frac{1}{4}$ " WIDTH <u>+</u> ¹⁄₈" PER 10' LENGTH (LENGTH OF ADJACENT CORED SLABS MUST BE WITHIN $\pm \frac{1}{4}$ ".) <u>+</u> %" **POSITION OF VOIDS: VERTICAL** <u>+</u> %" **POSITION OF VOIDS: HORIZONTAL** <u>+</u> 1" **POSITION OF VOID ENDS: LONGITUDINAL** SQUARE ENDS: DEVIATION FROM SQUARE <u>+</u> ¼" (HORIZONTAL OR VERTICAL) OR DESIGNATED SKEW HORIZONTIAL ALIGNMENT: DEVIATION FROM A STRAIGHT <u>+</u>%" LINE PARALLEL TO THE CENTERLINE OF MEMBER ¹/₄" IN 10', ³/₄" MAX. CAMBER: DIFFERENTIAL BETWEEN ADJACENT UNITS CAMBER: DIFFERENTIAL BETWEEN HIGH AND LOW ¾″ MAX. MEMBERS OF THE SAME SPAN <u>+</u> ¼" POSITION OF DOWEL HOLES: DEVIATION FROM PLAN POSITION <u>+</u>3/4" WIDTH: DIFFERENTIAL OF ADJACENT SPANS IN THE SAME STRUCTURE PLAN WIDTH + $\frac{1}{8}$ " MAX. WIDTH - ANY ONE SPAN PER JOINT THIS DRAWING IS FU ONLY. ALL DIMENSI $\pm \frac{1}{16}$ " BEARING AREA: DEVIATION FROM PLANE SURFACE SPECIFIC. ANY USE (DRAWING, INCLUDIN LOCAL SMOOTHNESS ¹/₄" IN 10' CHECKED BY THE US **DESIGN IS ADEQUAT** HORIZONTAL POSITION OF HOLES FOR TRANSVERSE TIE RODS <u>±</u> ½" ALL DRAWINGS MUS <u>+</u> %" VERTICAL POSITION OF HOLES FOR TRANSVERSE TIE RODS A SOUTH CAROLINA ENGINEER WHEN US <u>+</u> ¼" POSITION OF STRANDS

FOR LOCATION OF FIXED AND EXPANSION BEARINGS, SEE "BRIDGE PLAN & PROFILE" SHEET.

THE $2\frac{1}{2}$ " Ø DOWEL HOLES MAY BE FORMED USING PLASTIC CORRUGATED DUCT THAT IS LEFT IN PLACE.

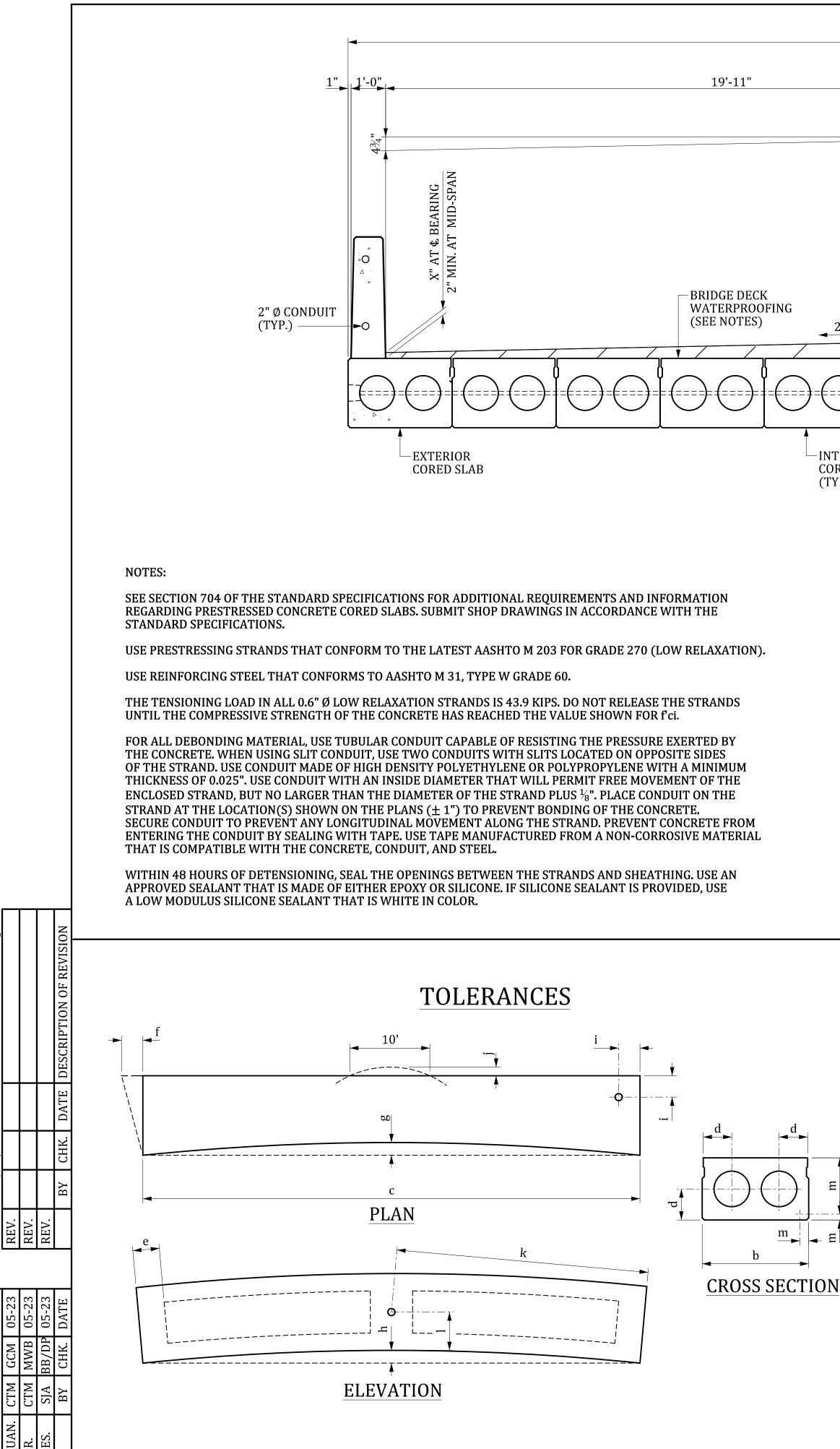
APPLY A BRIDGE DECK WATERPROOFING SYSTEM, THAT COMPLIES WITH THE REQUIREMENTS OF THE SPECIAL PROVISIONS, TO THE TOP SURFACE OF THE CORED SLABS AFTER SEALING THE JOINTS AND PRIOR TO PLACEMENT OF THE ASPHALT WEARING SURFACE.

INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING, FABRICATING, AND PLACING CONCRETE, PRESTRESSING STRANDS, AND REINFORCING STEEL CAST INTO THE CORED SLABS IN THE UNIT PRICE BID FOR THE CORED SLABS. ALSO, INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING AND INSTALLING EPOXY PROTECTIVE COATING, JOINT, SHEAR KEY, RECESS, AND DOWEL HOLE FILLER MATERIALS INCLUDING GROUT, BACKER ROD, AND COLD APPLIED ELASTIC FILLER IN THE UNIT PRICE BID FOR THE CORED SLABS.

FOR LOCATIONS OF DECK DRAINS, SEE "PRESTRESSED CONCRETE CORED SLAB XX' SPAN - PLAN" SHEET.

	CONSULTANT NAME	C/LOGO
 JRNISHED FOR INFORMATION ONS SHOWN ARE SHEET	SOUTH CAROLIN DEPARTMENT OF TRANS	-
OF THIS DESIGN AND NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE 'E FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED. 	PRESTRESSED CONCRET TYPICAL SUPERSTRUCT 33'-10" ROADW	URE SECTION
	COUNTY: ####	ROUTE: ####

DRAWING NUMBER: 704-ACS.TYP.R34



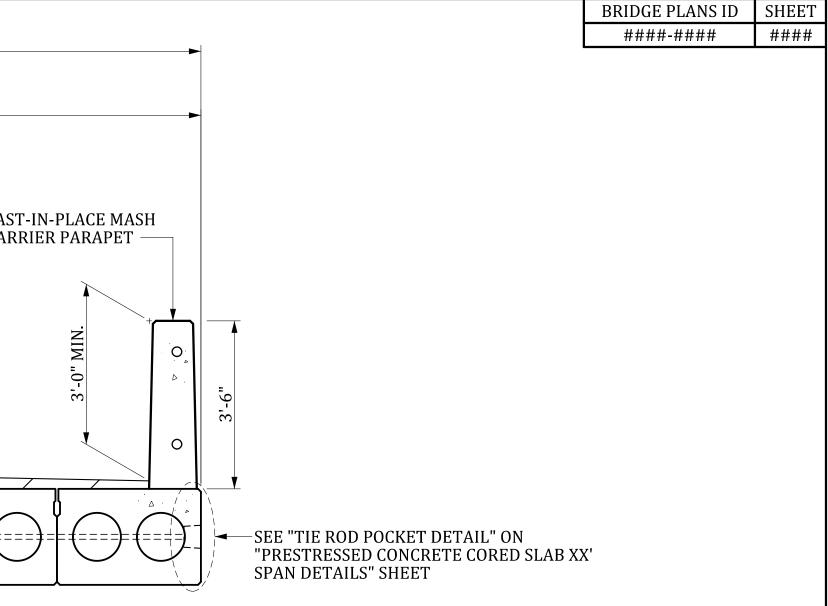
	42'-0"	
	21'	'-0"
2.0 %	-FINISHED GRADE ASPHALT WEARING SURFACE	CA BA SHEAR KEY (TYP.)
- INTERIOR CORED SLAB (TYP.)		E
	AL SECTION AINS NOT SHOWN.	
NOTES CONTINUED:		NOTES CONTINUE
OR MOVING SIDEWAYS. USE A NON-COUNTIL THE CONCRETE ATTAINS THE SYSTEM IN THE SHOP PLAN SUBMITT ALWAYS MAINTAIN CORED SLABS IN	AN UPRIGHT POSITION. USE LIFTING DEVICES LOCATED WITHIN 2'-6" (ACE TRANSVERSE TIE VN FILLER TO 1½" AF GROUT HAS CURE THE BARRIER PAI
THE RECESSES PRIOR TO WATERPRO	CORED SLABS. PROVIDE A 1" DEEP RECESS AT THE LIFTING DEVICES. GF OFING THE TOP SURFACE OF THE CORED SLABS. DO NOT PERMIT THE RED ON INTERIOR SUPPORTS CAUSING NEGATIVE MOMENTS.	CONSTRUCT 7" W BETWEEN VERTIC NECESSARY TO PI

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THE $2\frac{1}{2}$ " Ø DOWEL HOLES MAY BE FORMED USING PLASTIC CORRUGATED DUCT THAT IS LEFT IN PLACE.



ED:

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VIDE BY 6" HIGH DRAIN BLOCK-OUTS IN THE BARRIER PARAPETS. CENTER BLOCK-OUTS IN ICAL BARRIER REINFORCING AND FIELD CUT LONGITUDINAL BARRIER REINFORCING AS PROVIDE 2" CLEARANCE TO BLOCK-OUTS.

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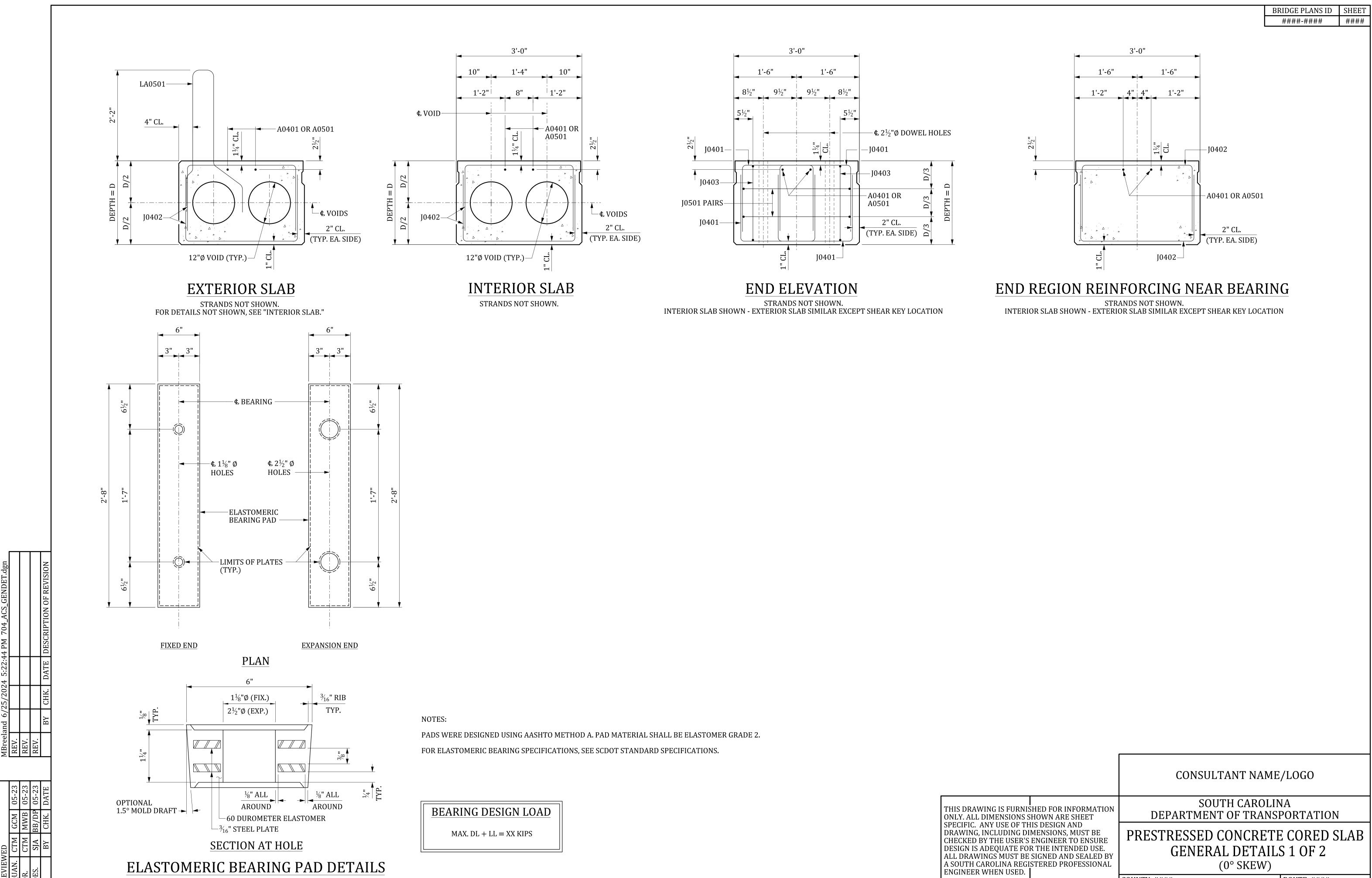
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FOR LOCATION OF FIXED AND EXPANSION BEARINGS, SEE "BRIDGE PLAN & PROFILE" SHEET.

FOR LOCATIONS OF DECK DRAINS, SEE "PRESTRESSED CONCRETE CORED SLAB XX' SPAN - PLAN" SHEET.

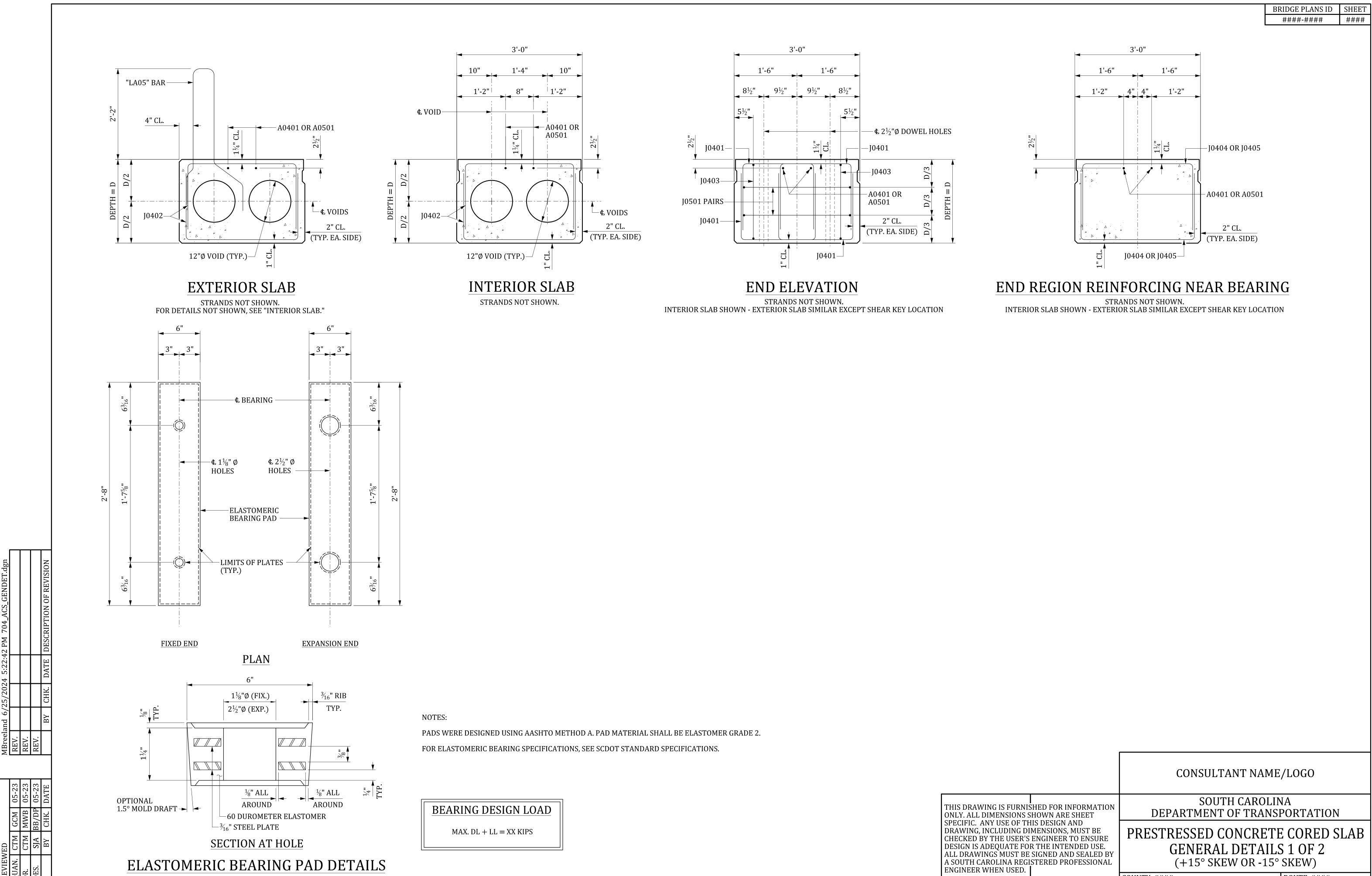
	CONSULTANT NAME	C/LOGO
JRNISHED FOR INFORMATION ONS SHOWN ARE SHEET	SOUTH CAROLIN DEPARTMENT OF TRANS	
OF THIS DESIGN AND NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE 'E FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED. I	PRESTRESSED CONCRET TYPICAL SUPERSTRUCT 39'-10" ROADW	URE SECTION
	COUNTY: ####	ROUTE: ####

DRAWING NUMBER: 704-ACS.TYP.R40



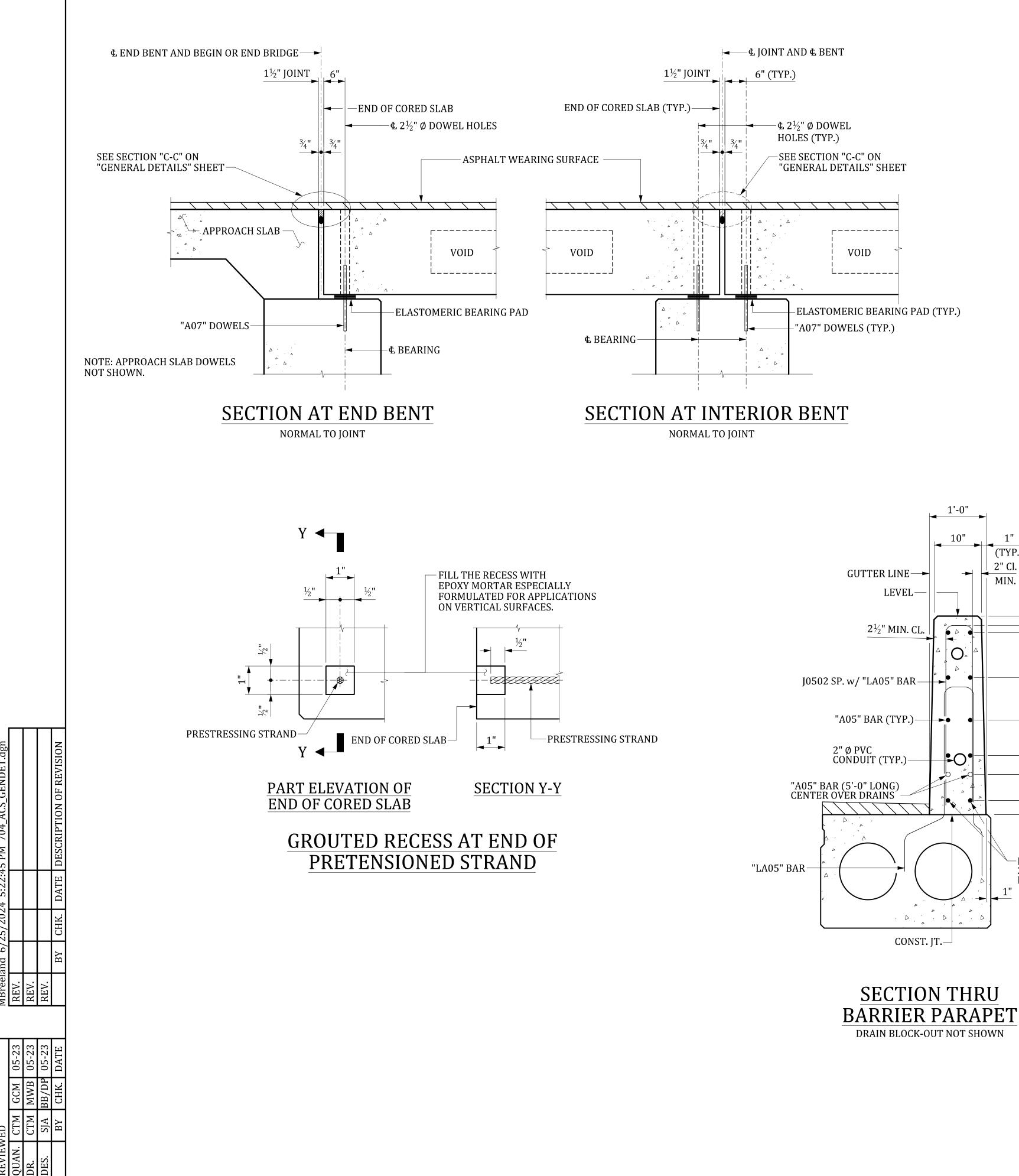
	CONSULTANT NAME	/LOGO
JRNISHED FOR INFORMATION	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
OF THIS DESIGN AND NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE E FOR THE INTENDED USE. T BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED. I	PRESTRESSED CONCRETE GENERAL DETAIL (0° SKEW)	
	COUNTY: ####	ROUTE: ####

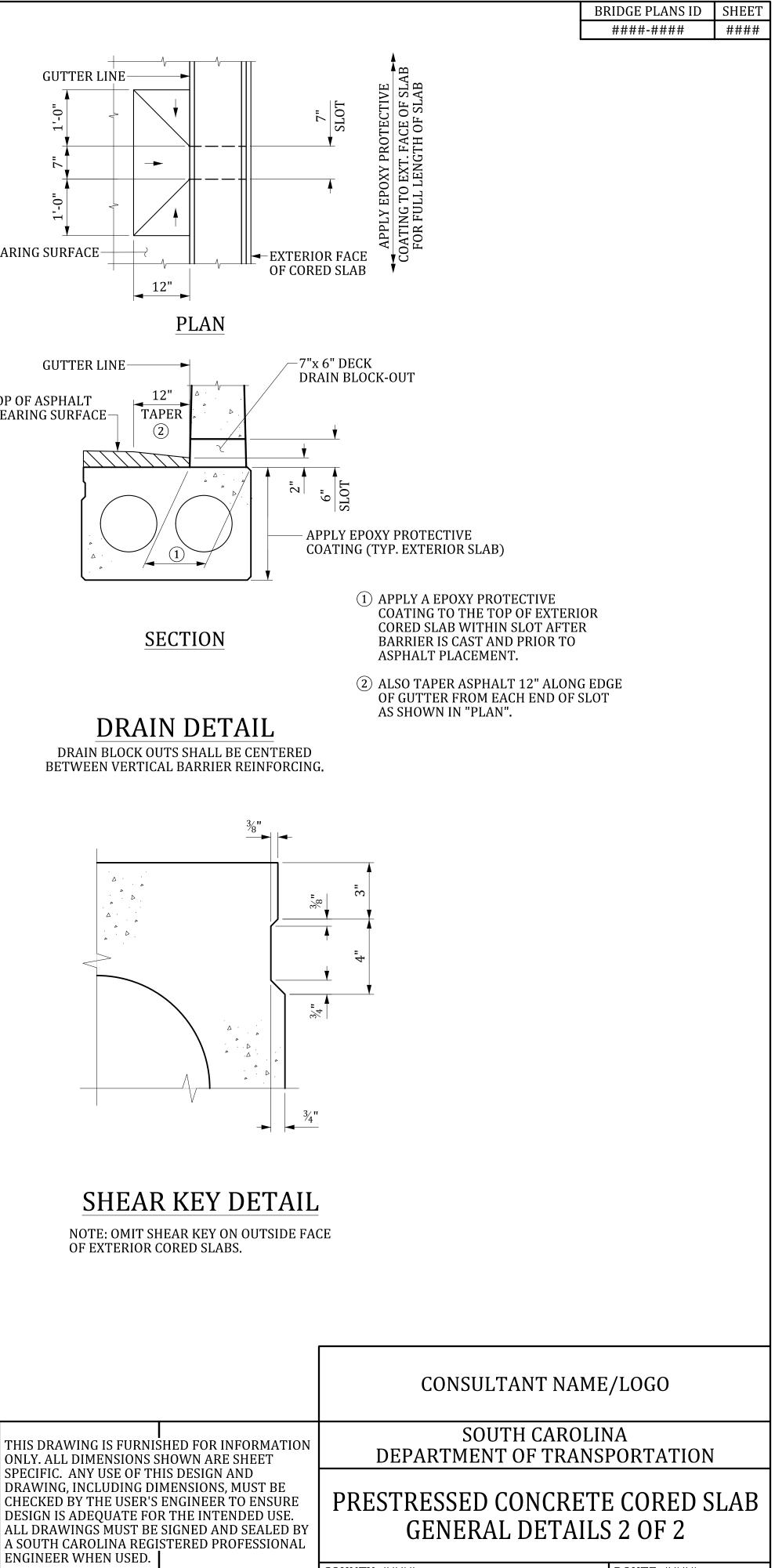
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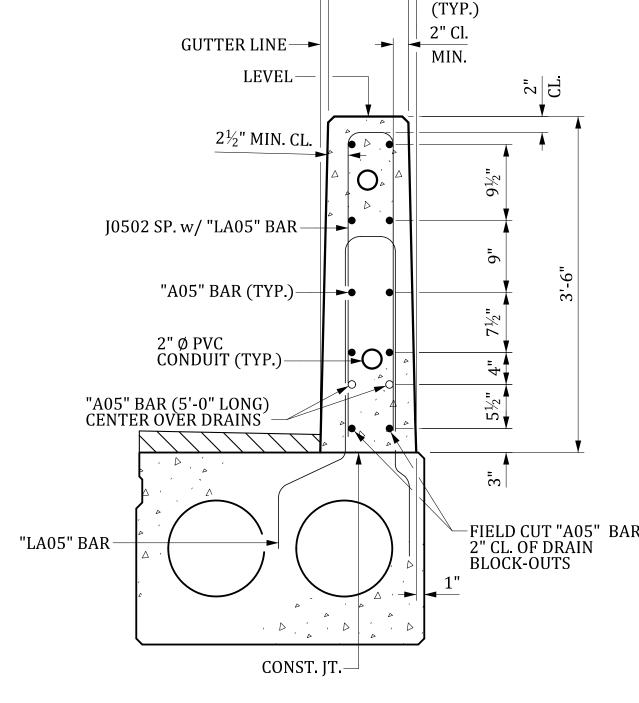


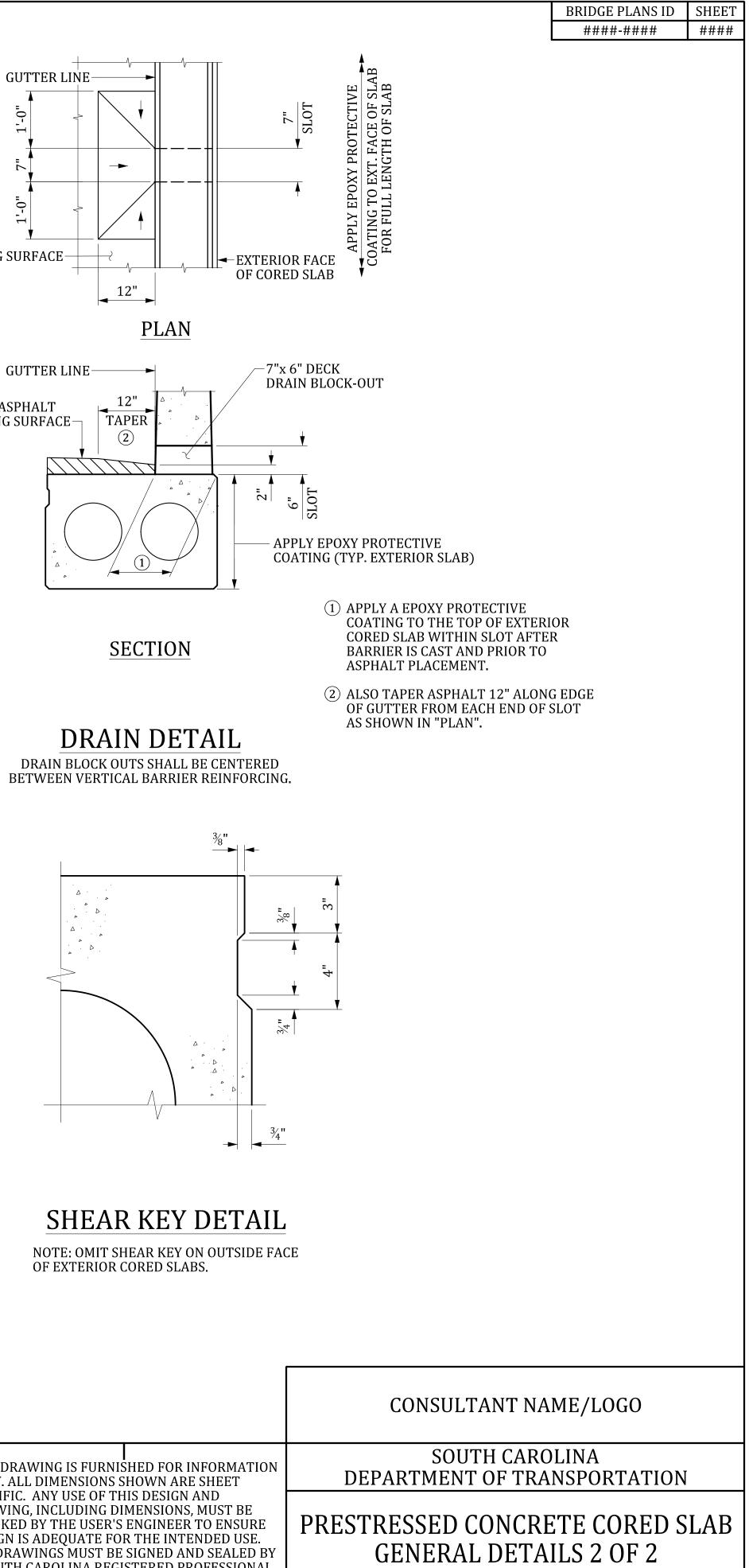
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OF THIS DESIGN AND NG DIMENSIONS, MUST BE SER'S ENGINEER TO ENSURE TE FOR THE INTENDED USE. ST BE SIGNED AND SEALED BY REGISTERED PROFESSIONAL SED.	PRESTRESSED CONCRE GENERAL DETAL (+15° SKEW OR -1	ILS 1 OF 2
	COUNTY: ####	ROUTE: ####

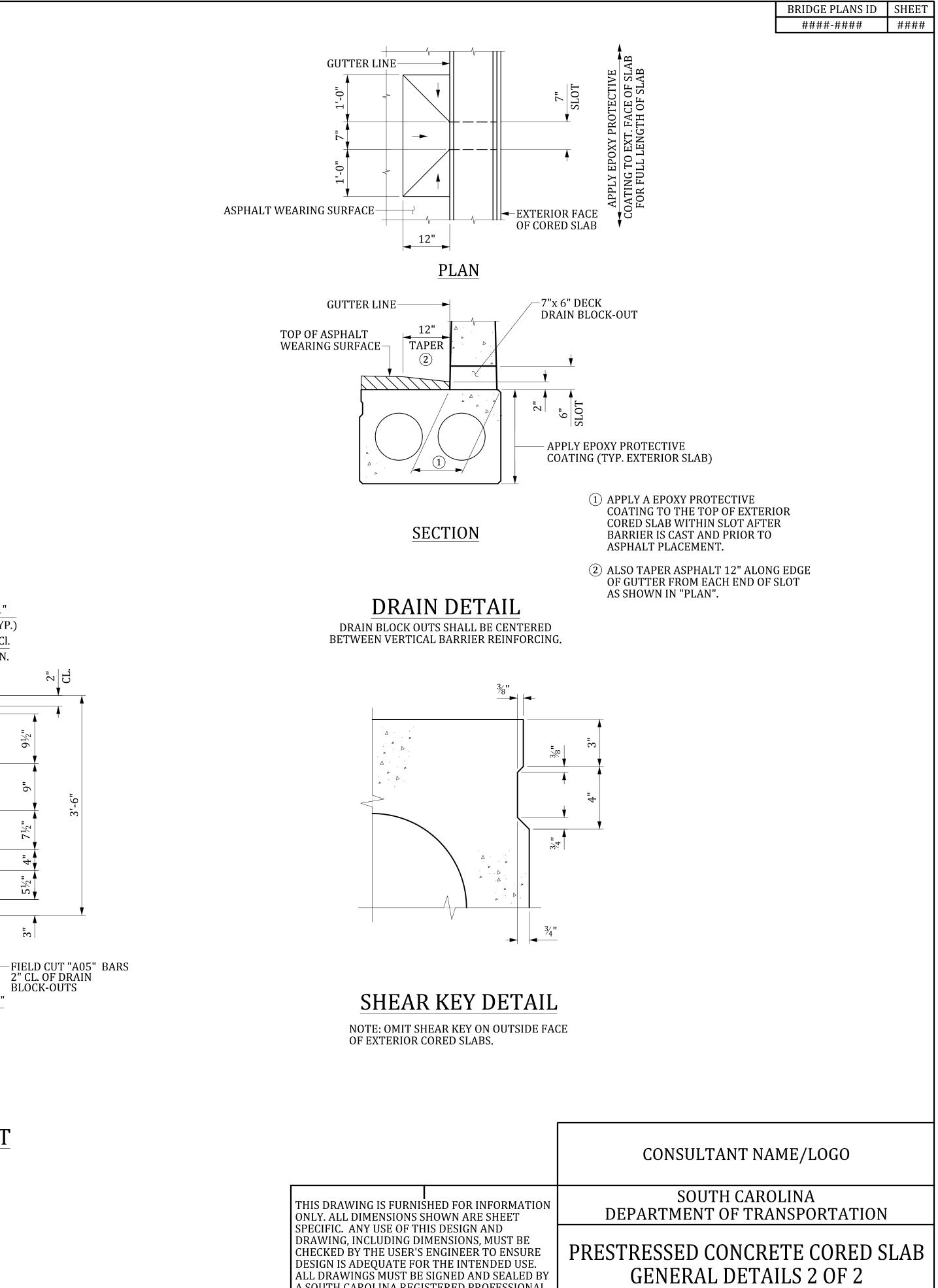
DRAWING NUMBER: 704-ACS.GD01.SK15











COUNTY: ####

ROUTE: ####

DRAWING NUMBER: 704-ACS.GD02