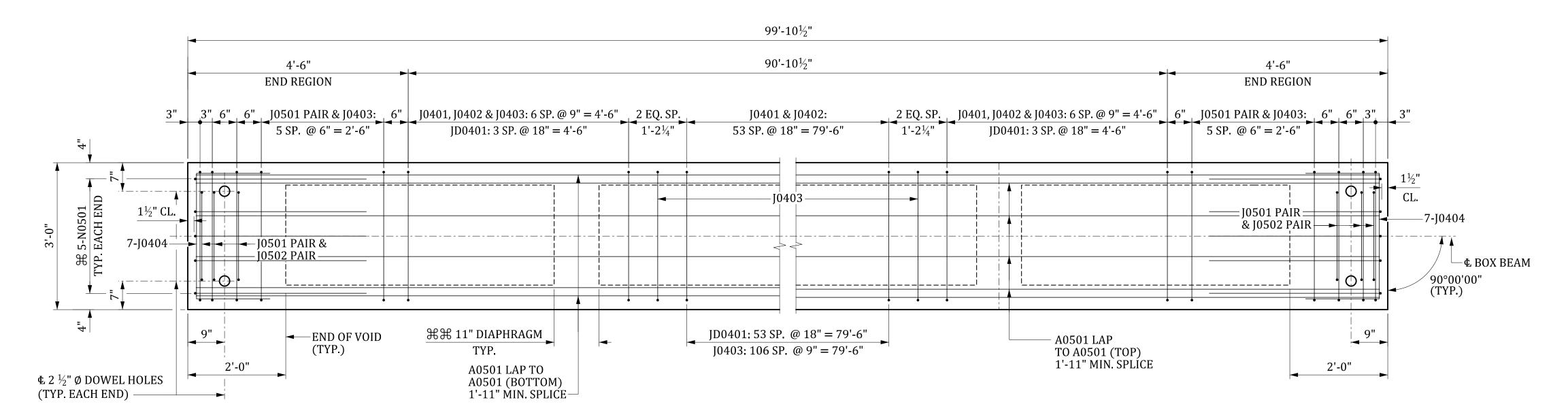
BRIDGE PLANS ID #### ####-#### 99' - 10½" 5'-4%" 89'-10%" 4'-7" **END REGION END REGION** 6 EQ. SP. = $3'-0\frac{1}{8}$ " 2 EQ. SP. J0401, J0402 & J0403: 6 SP. @ 9" = 4'-6" JD0401: 3 SP. @ 18" = 4'-6" J0401, J0402 & J0403: 6 SP. @ 9" = 4'-6" 2 EQ. SP. 6 EQ. SP. J0401 & J0402: $-\Phi$ 2½" Ø DOWEL HOLES 1'-51/16" (TYP. EACH END) JD0401: 3 SP. @ 18" = 4'-6" 52 SP. @ 18" = 78'-0" A0501 LAP -A0501 LAP TO A0501 (BOTTOM) TO A0501 (TOP) 1'-11" MIN. SPLICE 1'-11" MIN. SPLÍCE ________ ------ 5-N0401 EACH END J0503 PAIR & J0405 -7-JC0401 7-JC0401-**→** J0501 PAIR & J0504 PAIR & J0403 ∖ J0504 PAIR & J0403 — ► └─ **&** BOX BEAM J0501 PAIR & J0404 \J0503 PAIR & J0405 401 6 EQ. SP. = $3'-0\frac{1}{8}$ " 6 EQ. SP. JD0401: 52 SP. @ 18" = 78'-0" Φ 2½" Ø DOWEL HOLE J0403: 104 SP. @ 9" = 78'-6" (TYP. EACH END) 4'-7" END OF VOID (TYP.)-5'-4%" ★ LONG LEG AT TOP OF BEAM PARTIAL PLAN OF BEAM ₩₩ FOR REINFORCEMENT, SEE "PRESTRESSED CONCRETE BOX STRANDS NOT SHOWN. BEAM 100' SPAN - DETAILS 2 OF 2" SHEET. INTERIOR BEAM SHOWN, EXTERIOR BEAM SIMILAR EXCEPT BARRIER REINFORCEMENT. SEE BELOW.. 99'-10½" ------VOID $-\Phi$ 2 $\frac{1}{2}$ " Ø DOWEL HOLES, SEE ABOVE FOR LAYOUT (TYP.) -LB0501 (TYP.) UNO \ -PLACE LB0502 PARALLEL TO END OF BEAM (TYP. EACH END) $7\frac{3}{4}$ " LB0501: 9 SP. @ $4\frac{1}{2}$ " = $3'-4\frac{1}{2}$ " $7\frac{1}{4}$ " 3" 4" LB0501: 9 SP. @ $4\frac{1}{2}$ " = 3'- $4\frac{1}{2}$ " $7\frac{3}{4}$ " LB0501: 89 SP. @ 12" = 89'-0" PARTIAL PLAN OF EXTERIOR BEAM SHOWING PLACEMENT OF "LB05" BARS FOR MASH BARRIER PARAPET. "LB05" BARS MAY BE SHIFTED SLIGHTLY TO AVOID STIRRUPS. CONSULTANT NAME/LOGO SOUTH CAROLINA THIS DRAWING IS FURNISHED FOR INFORMATION DEPARTMENT OF TRANSPORTATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE PRESTRESSED CONCRETE BOX BEAM 100' SPAN - DETAILS 1 OF 2 DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY (-15° SKEW) A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.

BRIDGE PLANS ID ####-#### ####

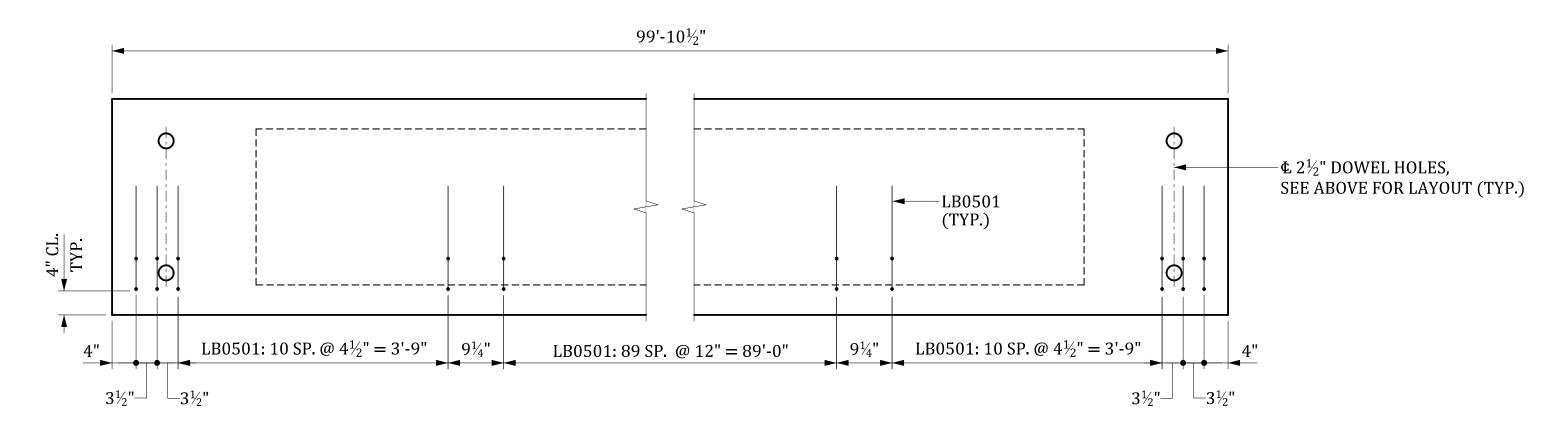


★ LONG LEG AT TOP OF BEAM

₩₩ FOR REINFORCEMENT, SEE "PRESTRESSED CONCRETE BOX BEAM 100' SPAN - DETAILS 2 OF 2" SHEET.

PARTIAL PLAN OF BEAM

STRANDS NOT SHOWN. INTERIOR BEAM SHOWN, EXTERIOR BEAM SIMILAR EXCEPT BARRIER REINFORCEMENT. SEE BELOW..



PARTIAL PLAN OF EXTERIOR BEAM

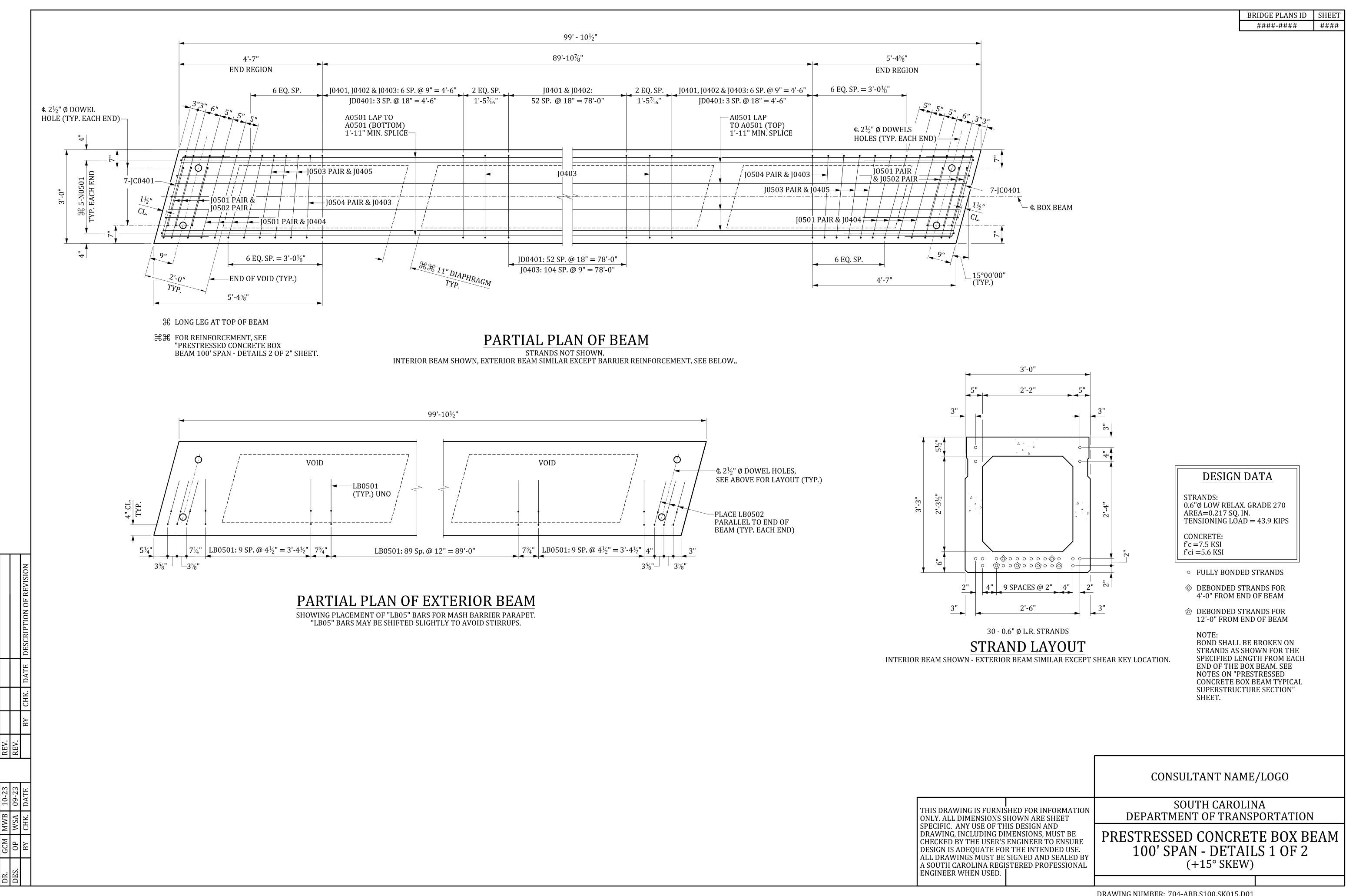
SHOWING PLACEMENT OF LB0501 BARS FOR MASH BARRIER PARAPET. LB0501 BARS MAY BE SHIFTED SLIGHTLY TO AVOID STIRRUPS.

THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.

CONSULTANT NAME/LOGO

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE BOX BEAM 100' SPAN - DETAILS 1 OF 2 (0° SKEW)



BRIDGE PLANS ID #### ####-#### ► L DIAPHRAGM ─K0401 $-\Phi$ 3"Ø HOLE FOR $1\frac{1}{4}$ " Ø - ⊈ DIAPHRAGM & ⊈ 3" Ø HOLES -K0401 TRANSVERSE TIE ROD (CENTER ABOUT 3" Ø HOLES) FOR $1\frac{1}{4}$ " Ø TRANSVERSE TIE RODS 2-A0401-A0401-___3-JC0401 3-JC0401— ______ _-----10" ·┎╶┫╸╞╶╸╸╡╸╸╸╡╸╸╸ 2½" CL. JC0401 (TYP. EACH SIDE)-1" CL. 2-JC0401-TYP. UNO TYP. EACH SIDE └── & 3" Ø HOLE FOR 1¼" Ø TRANSVERSE TIE ROD 11" PLAN SECTION E-E SECTION D-D DIAPHRAGM DETAILS INTERIOR BOX BEAM SHOWN. SEE "TIE ROD POCKET" DETAIL BELOW FOR EXTERIOR FACE OF EXTERIOR BOX BEAM. -3" Ø HOLE FOR $1\frac{1}{4}$ " Ø TRANSVERSE TIE ROD 3" Ø HOLE FOR 5" x 5" x 5%" PL-TRANSVERSE TIE ROD (TYP.) -**EXTERIOR FACE** -1¹/₄" Ø TRANSVERSE OF EXTERIOR BEAM— TIE ROD (TYP.) 5½" 6" TYP. HEAVY HEX NUT AND LOCK WASHER-HEAVY HEX NUT AND LOCK WASHER (TYP.) FILL RECESS WITH NON-SHRINK GROUT-−5" x 5" x ⁵⁄₈" PL FILL RECESS WITH NON-SHRINK GROUT EXTERIOR FACE OF EXTERIOR BOX BEAM w/ 1³/₈" Ø HOLE (TYP.) **6**"► 1" MIN. CL. TYP. В ◀ SECTION C-C VIEW X-X SECTION B-B TIE ROD ASSEMBLIES NOT SHOWN TIE ROD POCKET DETAIL EXTERIOR FACE OF EXTERIOR BEAM CONSULTANT NAME/LOGO SOUTH CAROLINA THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET
SPECIFIC. ANY USE OF THIS DESIGN AND
DRAWING, INCLUDING DIMENSIONS, MUST BE
CHECKED BY THE USER'S ENGINEER TO ENSURE
DESIGN IS ADEQUATE FOR THE INTENDED USE.
ALL DRAWINGS MUST BE SIGNED AND SEALED BY
A SOUTH CAROLINA REGISTERED PROFESSIONAL
ENGINEER WHEN USED. DEPARTMENT OF TRANSPORTATION PRESTRESSED CONCRETE BOX BEAM 100' SPAN - DETAILS 2 OF 2 (-15° SKEW)

