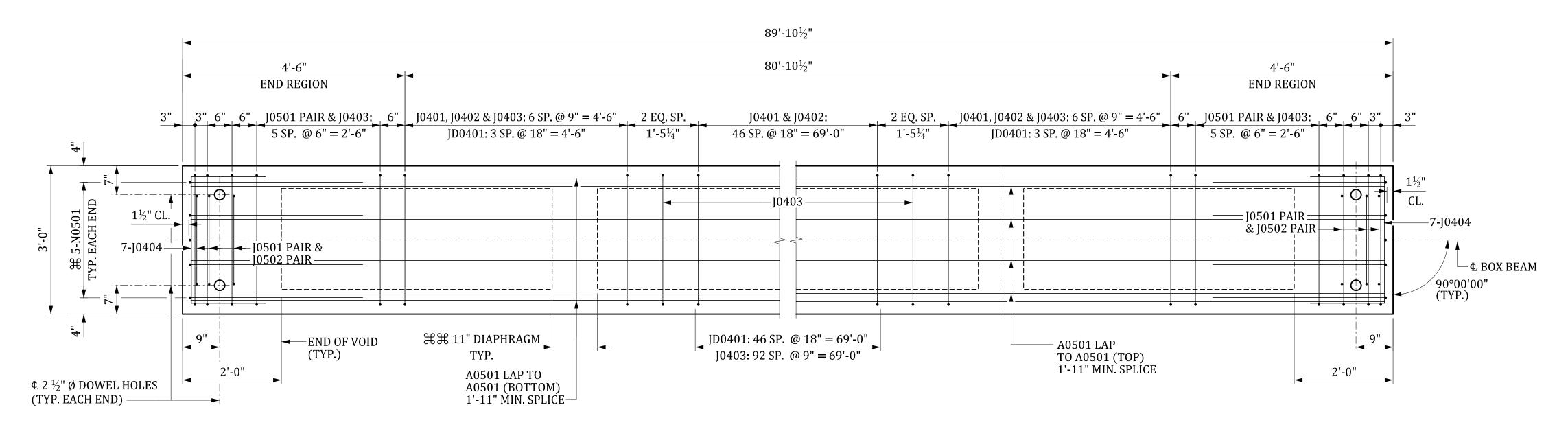


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BRIDGE PLANS ID SHEI



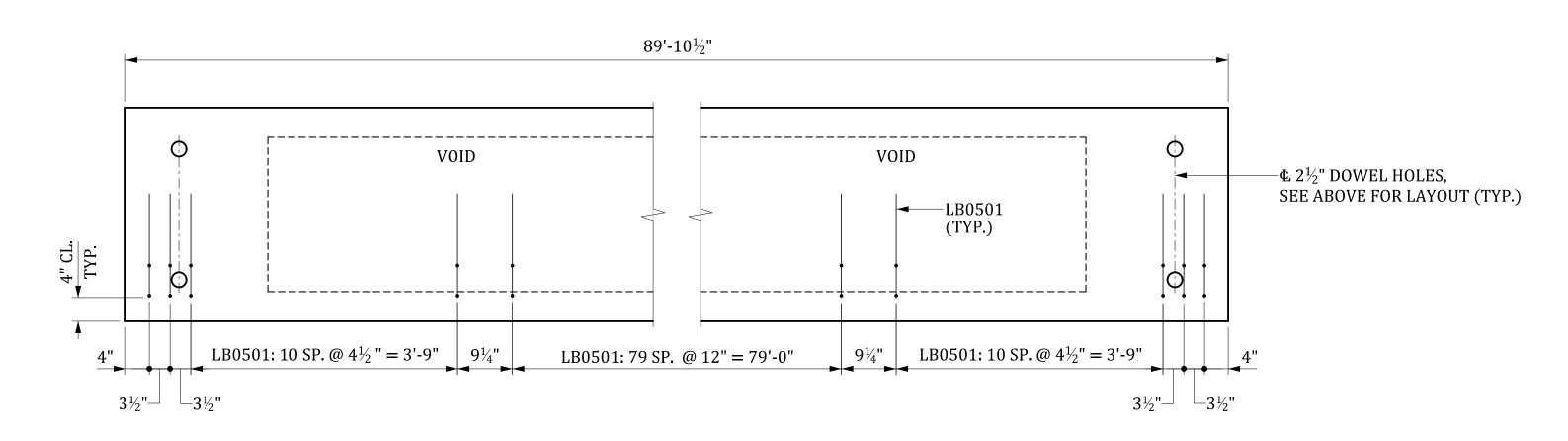
 \mathbb{H} LONG LEG AT TOP OF BEAM

FOR REINFORCEMENT, SEE
"PRESTRESSED CONCRETE BOX
BEAM 90' SPAN - DETAILS 2 OF 2" SHEET.

PARTIAL PLAN OF BEAM

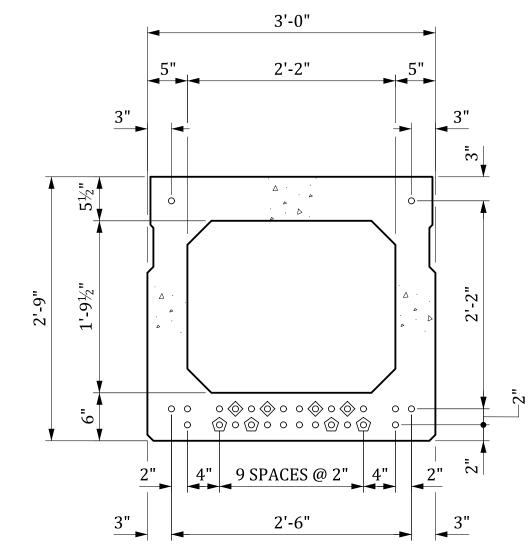
STRANDS NOT SHOWN.

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.



28 - 0.6" Ø L.R. STRANDS

STRAND LAYOUT

INTERIOR BEAM SHOWN - EXTERIOR BEAM SIMILAR EXCEPT SHEAR KEY LOCATION.

DESIGN DATA

STRANDS: 0.6"Ø LOW RELAX. GRADE 270 AREA=0.217 SQ. IN. TENSIONING LOAD = 43.9 KIPS

CONCRETE: f'c =7.0 KSI

f'ci = 5.0 KSI

- FULLY BONDED STRANDS

NOTE:
BOND SHALL BE BROKEN ON
STRANDS AS SHOWN FOR THE
SPECIFIED LENGTH FROM EACH
END OF THE BOX BEAM. SEE
NOTES ON "PRESTRESSED
CONCRETE BOX BEAM TYPICAL
SUPERSTRUCTURE SECTION"
SHEET.

CONSULTANT NAME/LOGO

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE BOX BEAM 90' SPAN - DETAILS 1 OF 2

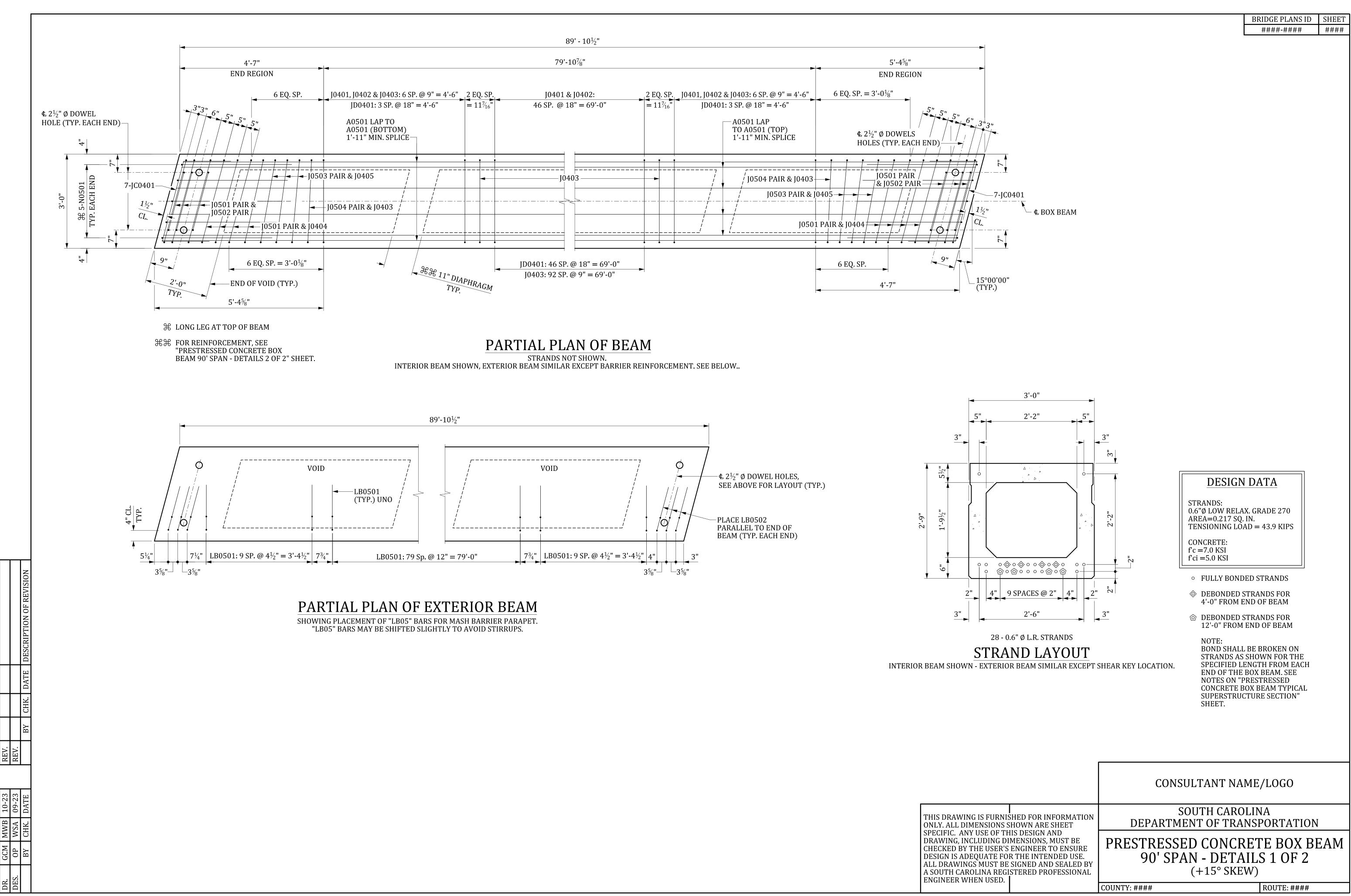
(0° SKEW)

DRAWING NUMBER: 704-ABB.S090.SK000.D01

BY CHK. DATE	BY CHK. DATE	REV. REV.	114.07.4	REV. REV.
		REV. B		DESCRIPTION OF REVIS

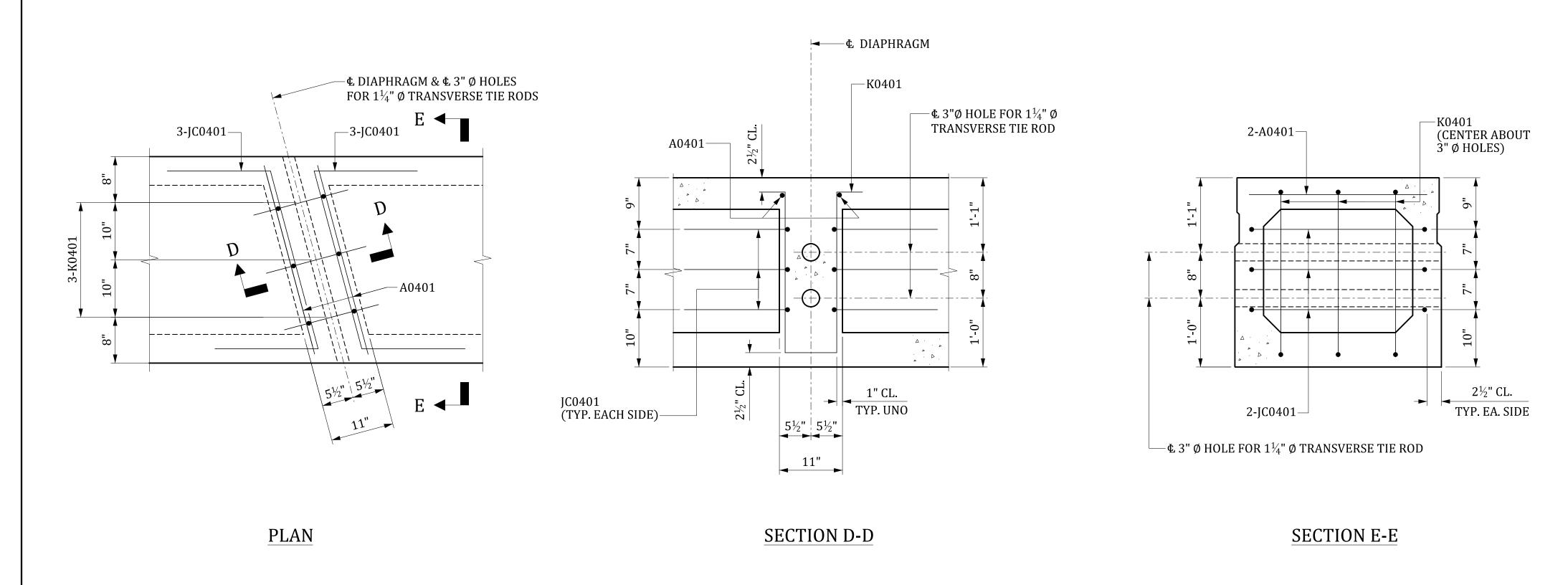
THIS DRAWING IS FURNISHED FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE SHEET SPECIFIC. ANY USE OF THIS DESIGN AND DRAWING, INCLUDING DIMENSIONS, MUST BE CHECKED BY THE USER'S ENGINEER TO ENSURE DESIGN IS ADEQUATE FOR THE INTENDED USE. ALL DRAWINGS MUST BE SIGNED AND SEALED BY A SOUTH CAROLINA REGISTERED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

DEPARTMENT OF THE PROFESSION AND SEALED BY A SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WHEN USED.



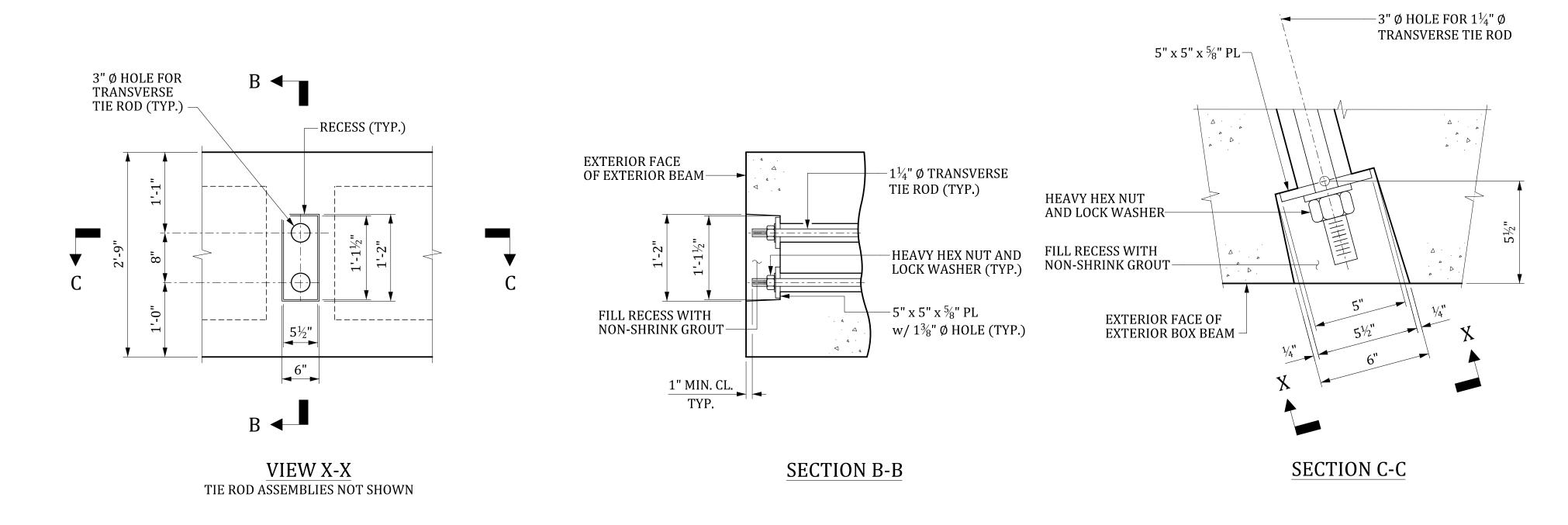
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BRIDGE PLANS ID SHEET ####-#### ####



DIAPHRAGM DETAILS

INTERIOR BOX BEAM SHOWN. SEE "TIE ROD POCKET" DETAIL BELOW FOR EXTERIOR FACE OF EXTERIOR BOX BEAM.



TIE ROD POCKET DETAIL

EXTERIOR FACE OF EXTERIOR BEAM

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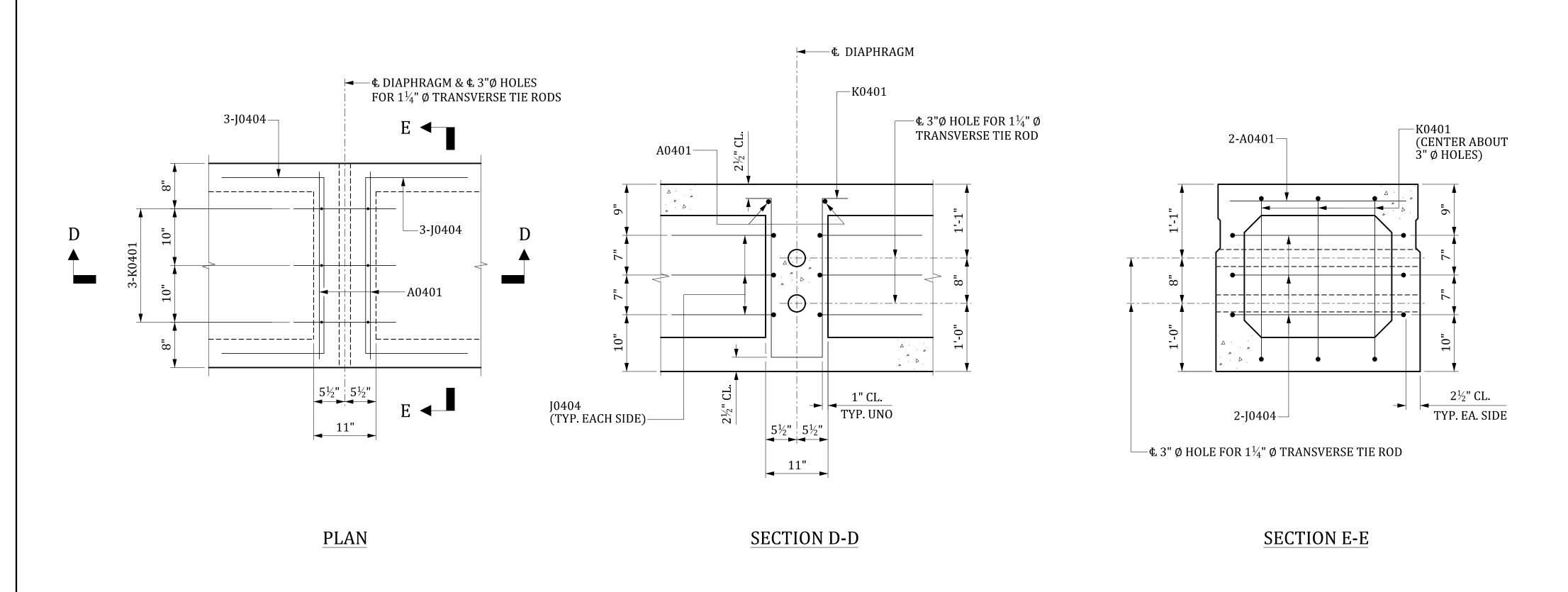
PRESTRESSED CONCRETE BOX BEAM 90' SPAN - DETAILS 2 OF 2 (-15° SKEW)

ROUTE: ####

DRAWING NUMBER: 704-ABB.S090.SK-15.D02

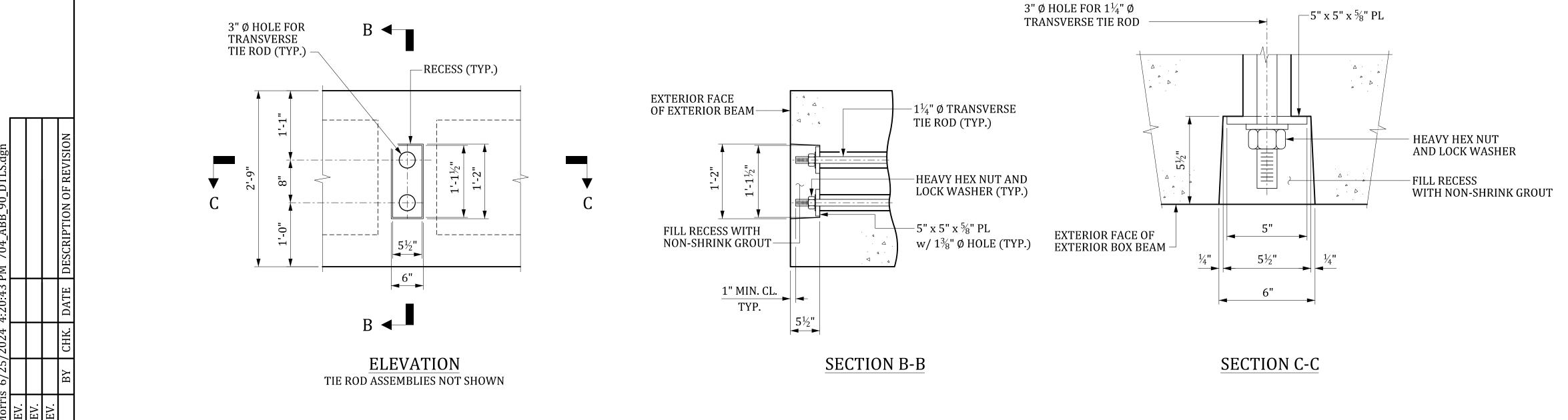
COUNTY: ####

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



DIAPHRAGM DETAILS

INTERIOR BOX BEAM SHOWN. SEE "TIE ROD POCKET" DETAIL BELOW FOR EXTERIOR FACE OF EXTERIOR BOX BEAM.



TIE ROD POCKET DETAIL

EXTERIOR FACE OF EXTERIOR BEAM

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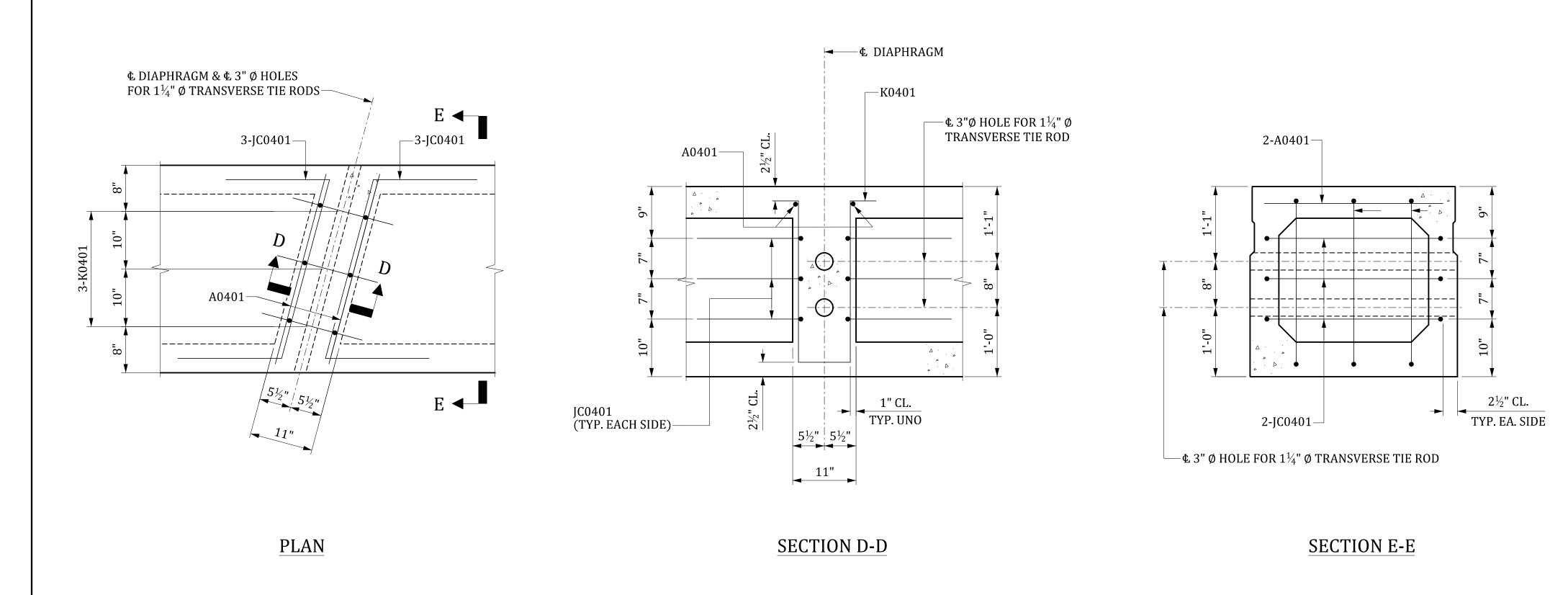
PRESTRESSED CONCRETE BOX BEAM 90' SPAN - DETAILS 2 OF 2 (0° SKEW)

ROUTE: ####

DRAWING NUMBER: 704-ABB.S090.SK000.D02

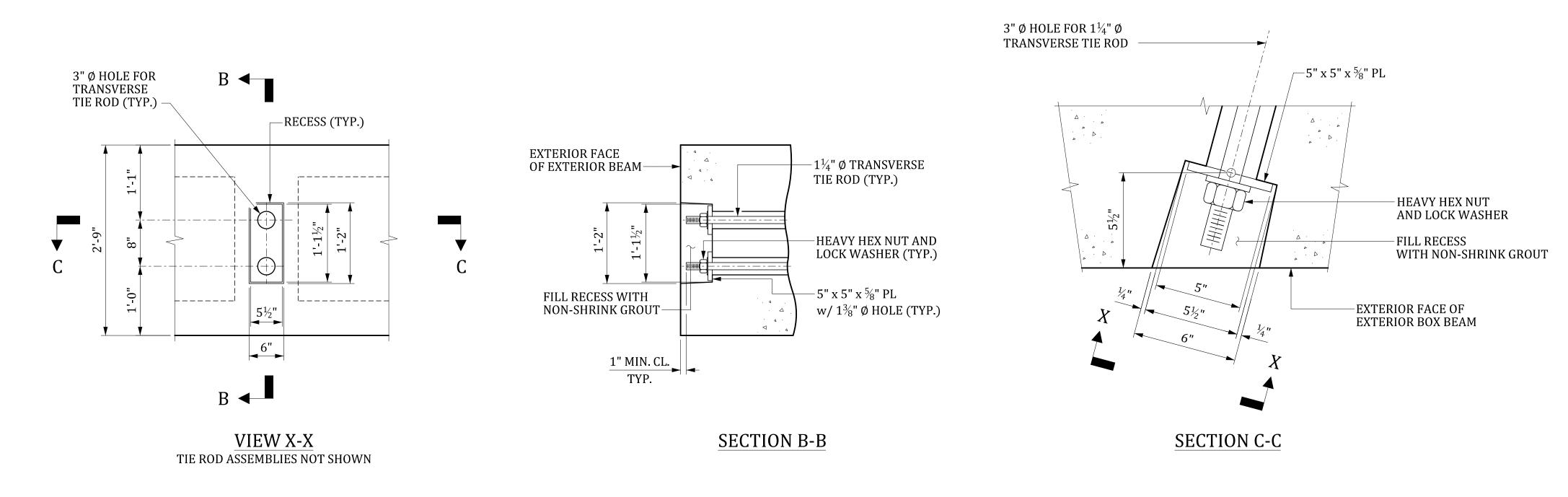
COUNTY: ####

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



DIAPHRAGM DETAILS

INTERIOR BOX BEAM SHOWN. SEE "TIE ROD POCKET" DETAIL BELOW FOR EXTERIOR FACE OF EXTERIOR BOX BEAM.



TIE ROD POCKET DETAIL EXTERIOR FACE OF EXTERIOR BEAM

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COUNTY: ####

PRESTRESSED CONCRETE BOX BEAM 90' SPAN - DETAILS 2 OF 2 (+15° SKEW)

ROUTE: ####

CONSULTANT NAME/LOGO

DRAWING NUMBER: 704-ABB.S090.SK015.D02