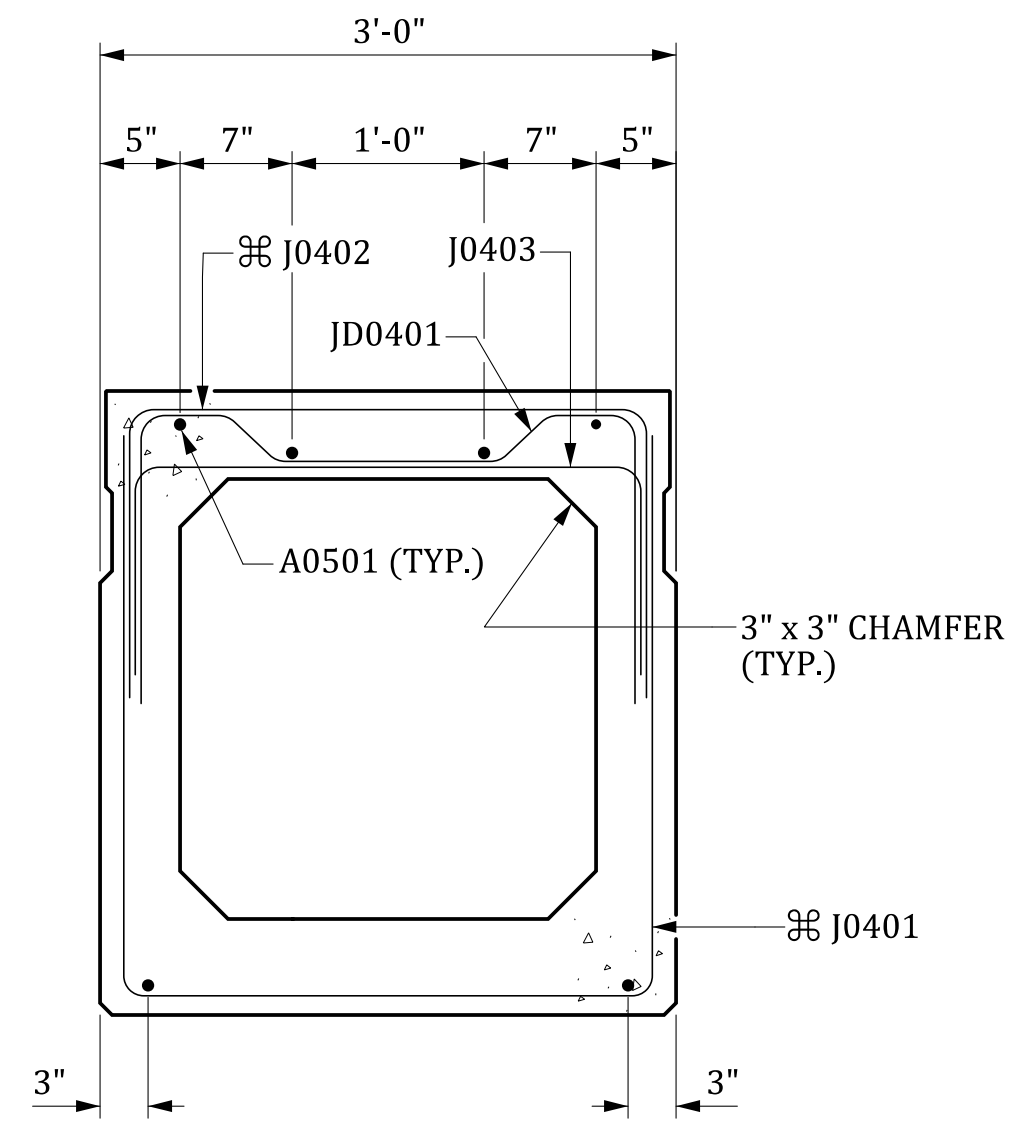


EXTERIOR BEAM

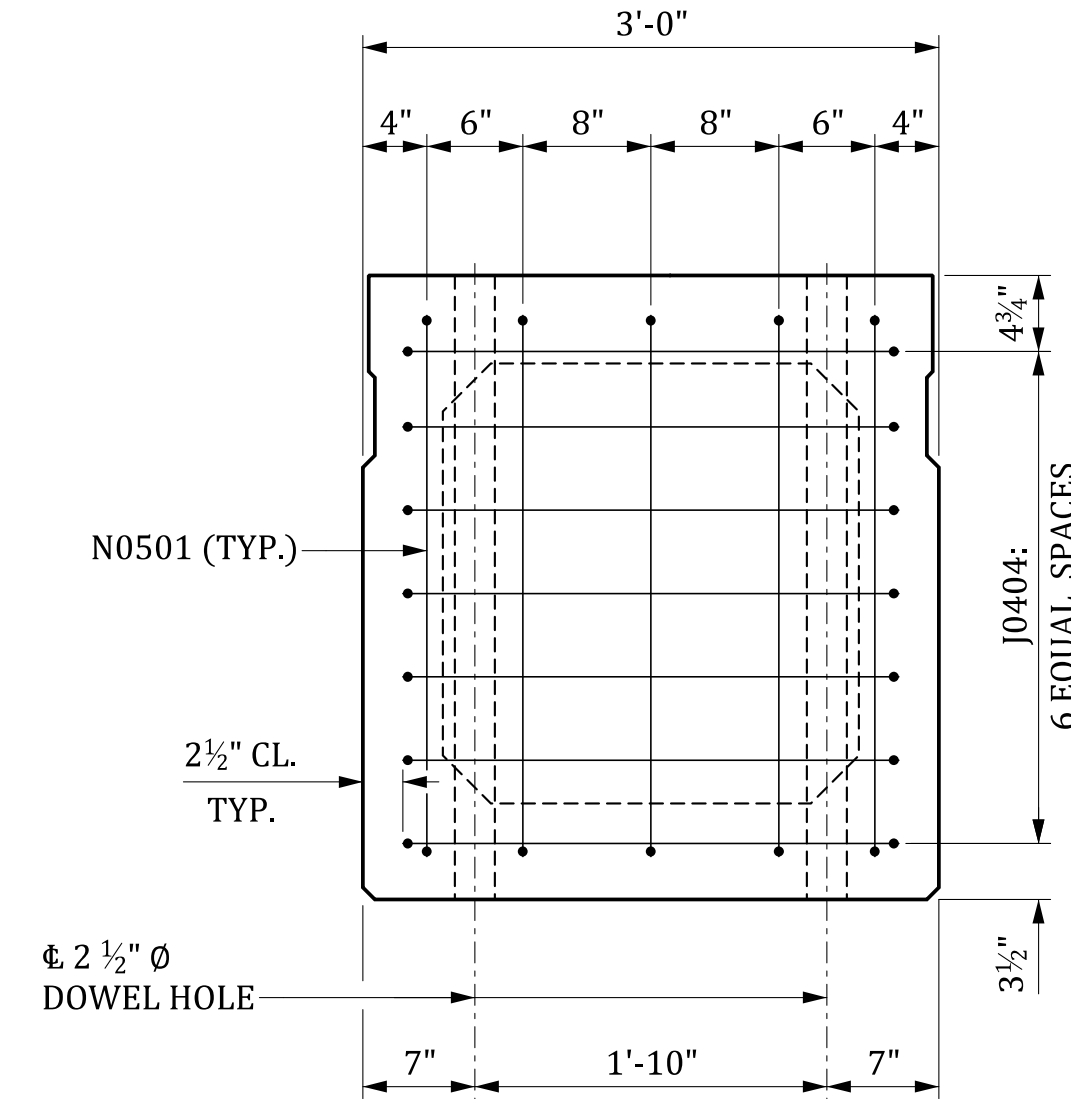
STRANDS NOT SHOWN.
FOR DETAILS NOT SHOWN, SEE "INTERIOR BEAM".

⌀ J0501 BARS REQUIRED AT
END REGIONS OF BEAM.



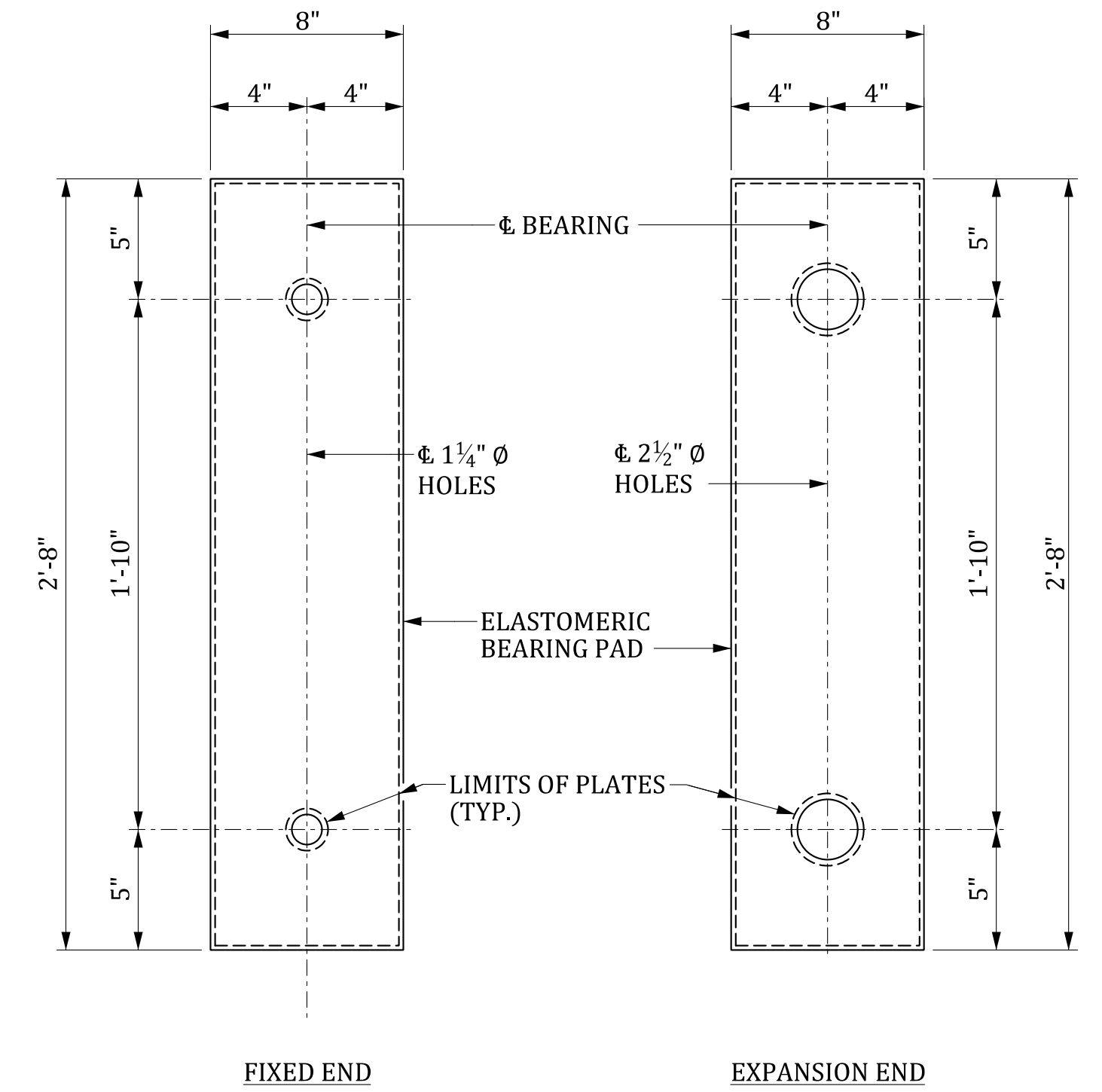
INTERIOR BEAM

STRANDS NOT SHOWN.
FOR DETAILS NOT SHOWN, SEE "EXTERIOR BEAM".

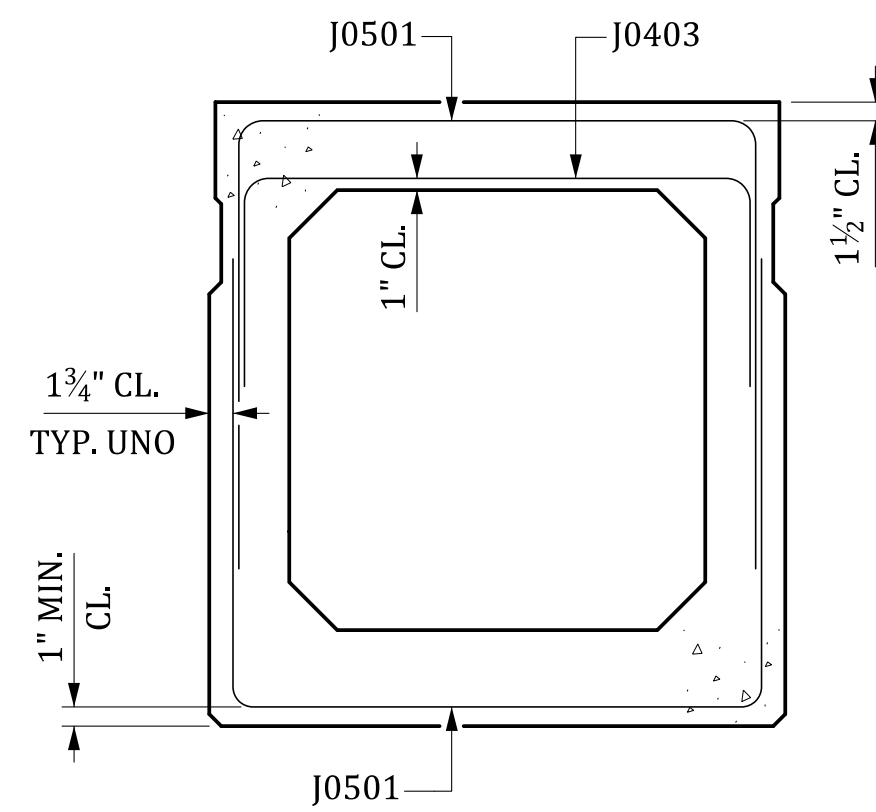


END ELEVATION

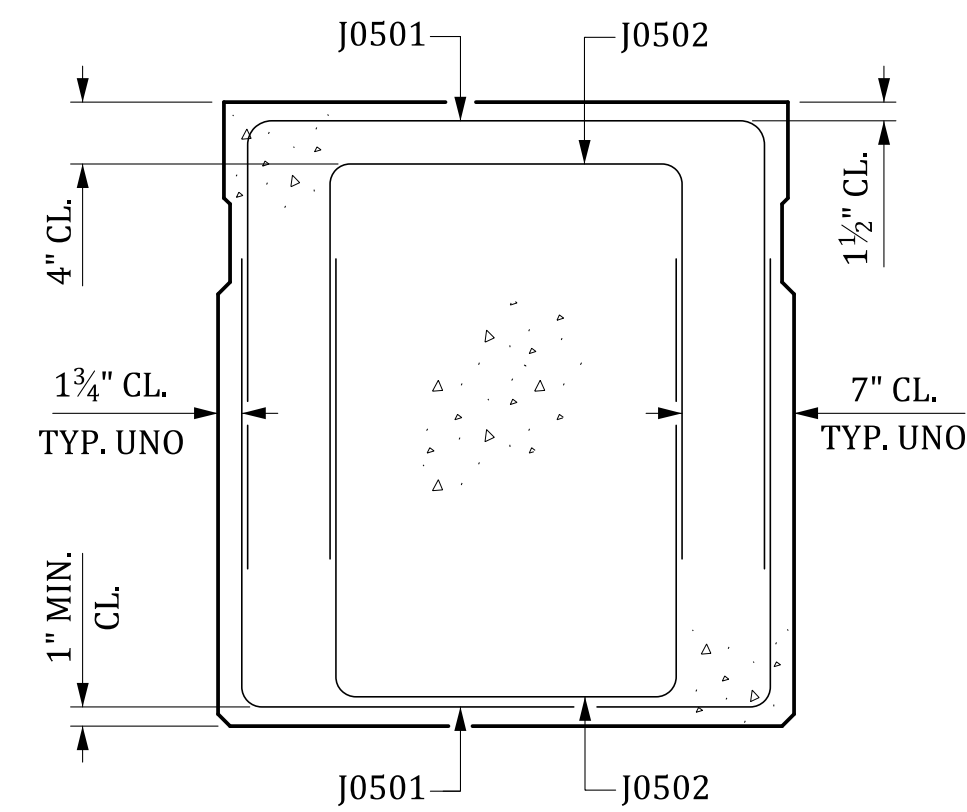
STRANDS NOT SHOWN.
INTERIOR BEAM SHOWN - EXTERIOR BEAM SIMILAR EXCEPT SHEAR KEY LOCATION.



PLAN



IN VOID

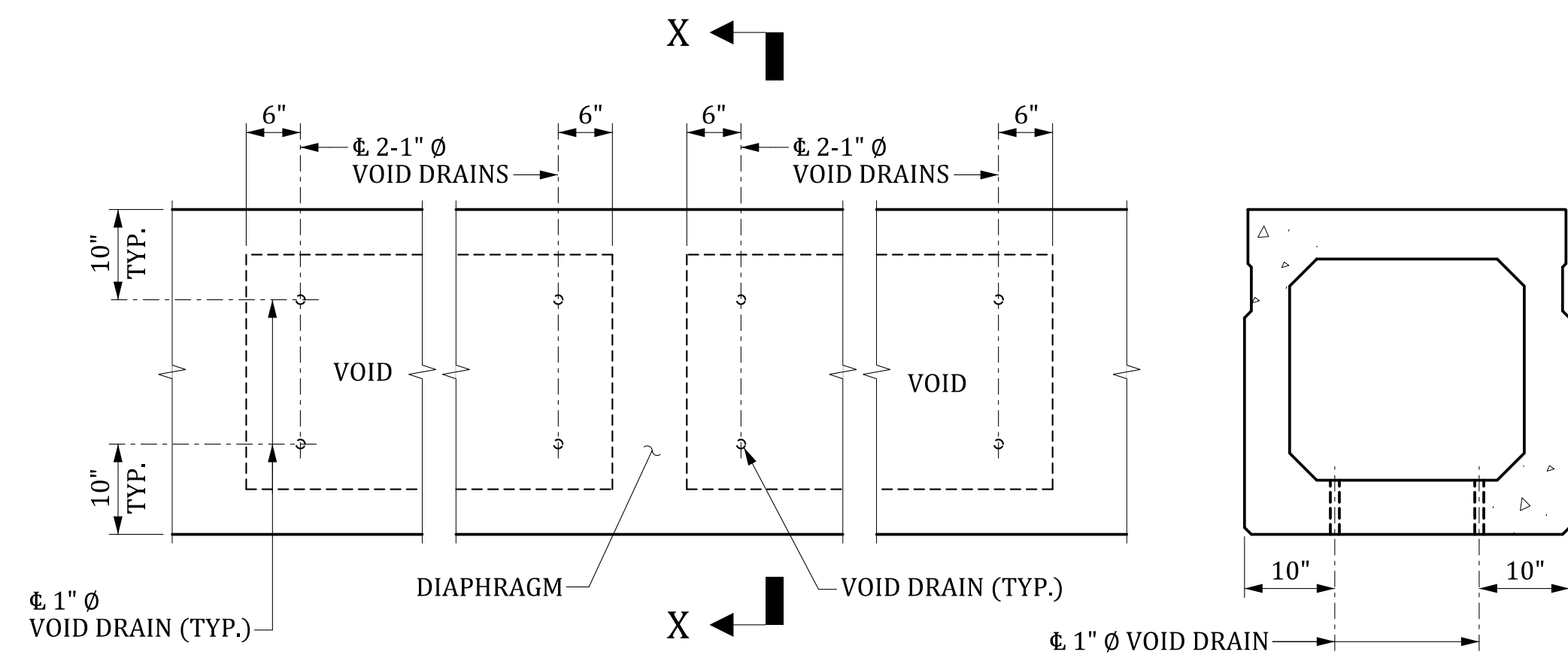


NEAR BEARING

J0502 ARE PLACED IN THE SAME
VERTICAL PLANE AS J0501.

END REGION STIRRUPS

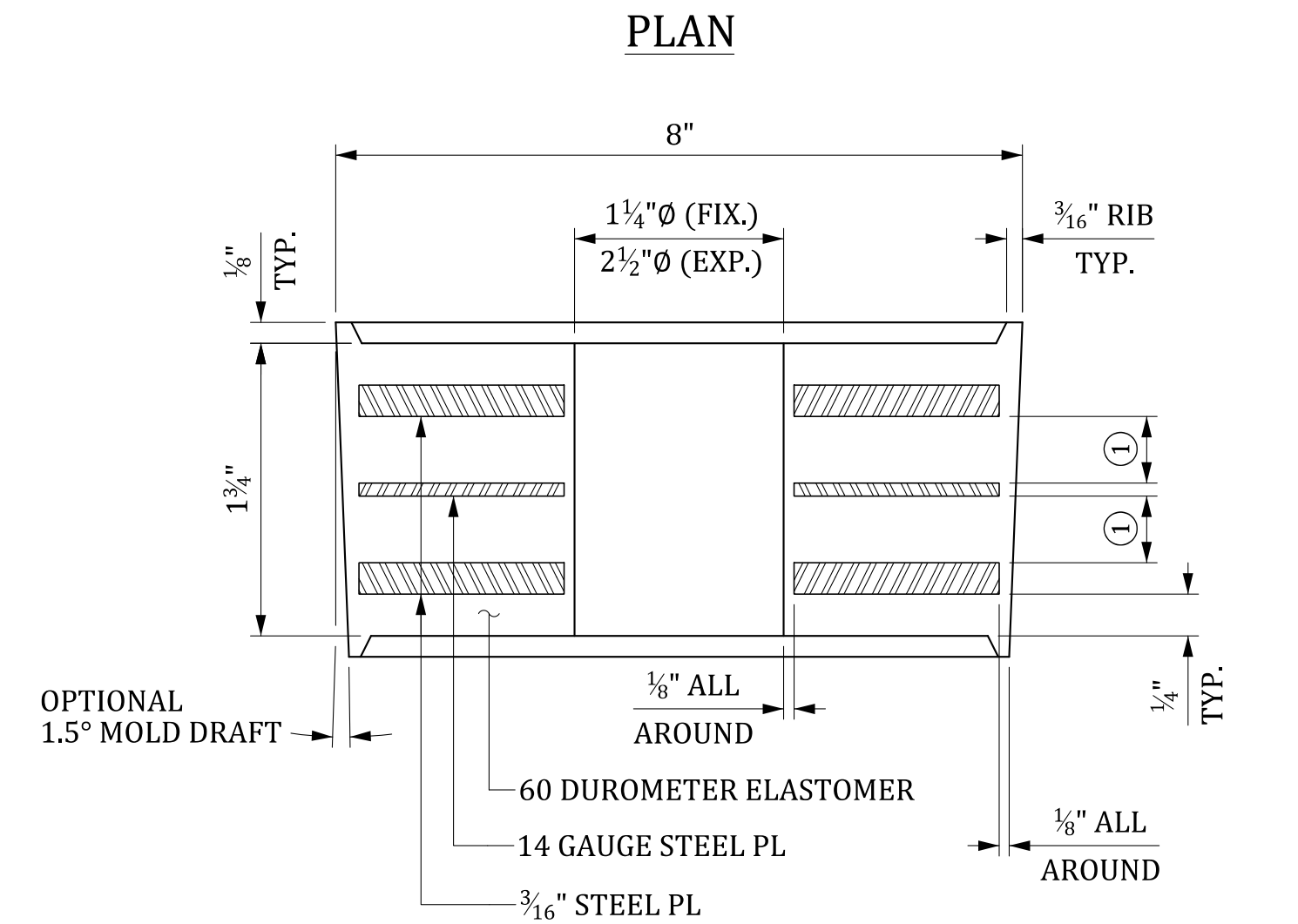
INTERIOR BEAM SHOWN - EXTERIOR BEAM SIMILAR EXCEPT SHEAR KEY LOCATION.



PARTIAL PLAN

SECTION X-X

VOID DRAIN DETAILS



SECTION AT HOLE

① ALL INTERNAL LAYERS TO BE EQUAL THICKNESS.

BEARING DESIGN LOAD

MAX. DL + LL = XXX KIPS

ELASTOMERIC BEARING PAD DETAILS

NOTES:

PADS WERE DESIGNED USING AASHTO METHOD A. PAD MATERIAL SHALL BE ELASTOMER GRADE 2.

FOR ELASTOMERIC BEARING SPECIFICATIONS, SEE SCDOT STANDARD SPECIFICATIONS.

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CONSULTANT NAME/LOGO

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PRESTRESSED CONCRETE BOX BEAM
GENERAL DETAILS 1 OF 2
(0° SKEW)

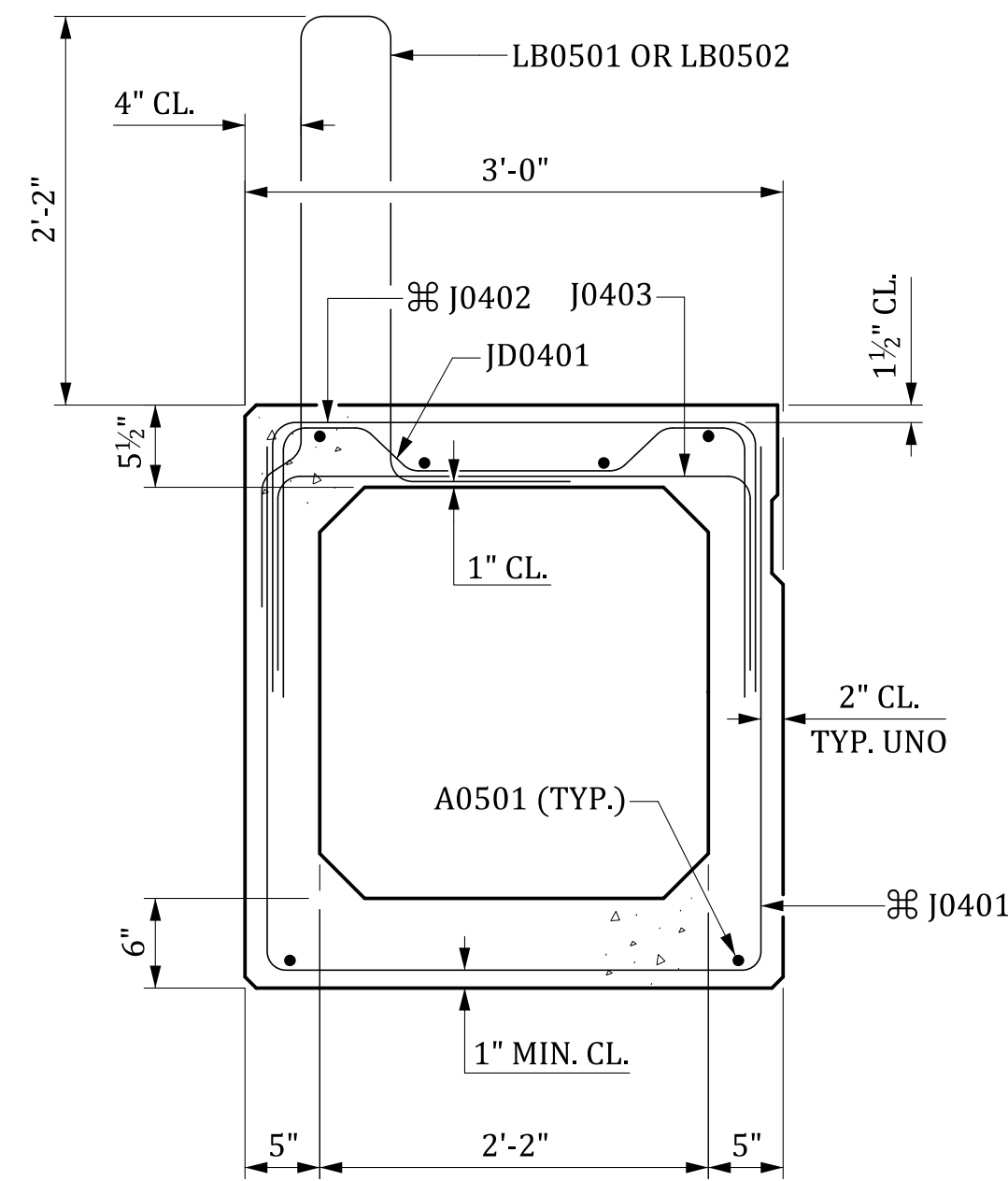
COUNTY: ####

ROUTE: ####

REV.					
REV.					
REV.					
BY	CHK.	DATE	DESCRIPTION OF REVISION		

REVIEWED	GCM	MWB	10-23
QUAN.	GCM	MWB	10-23
DR.	OP	WSA	09-23
DES.	BY	CHK.	DATE

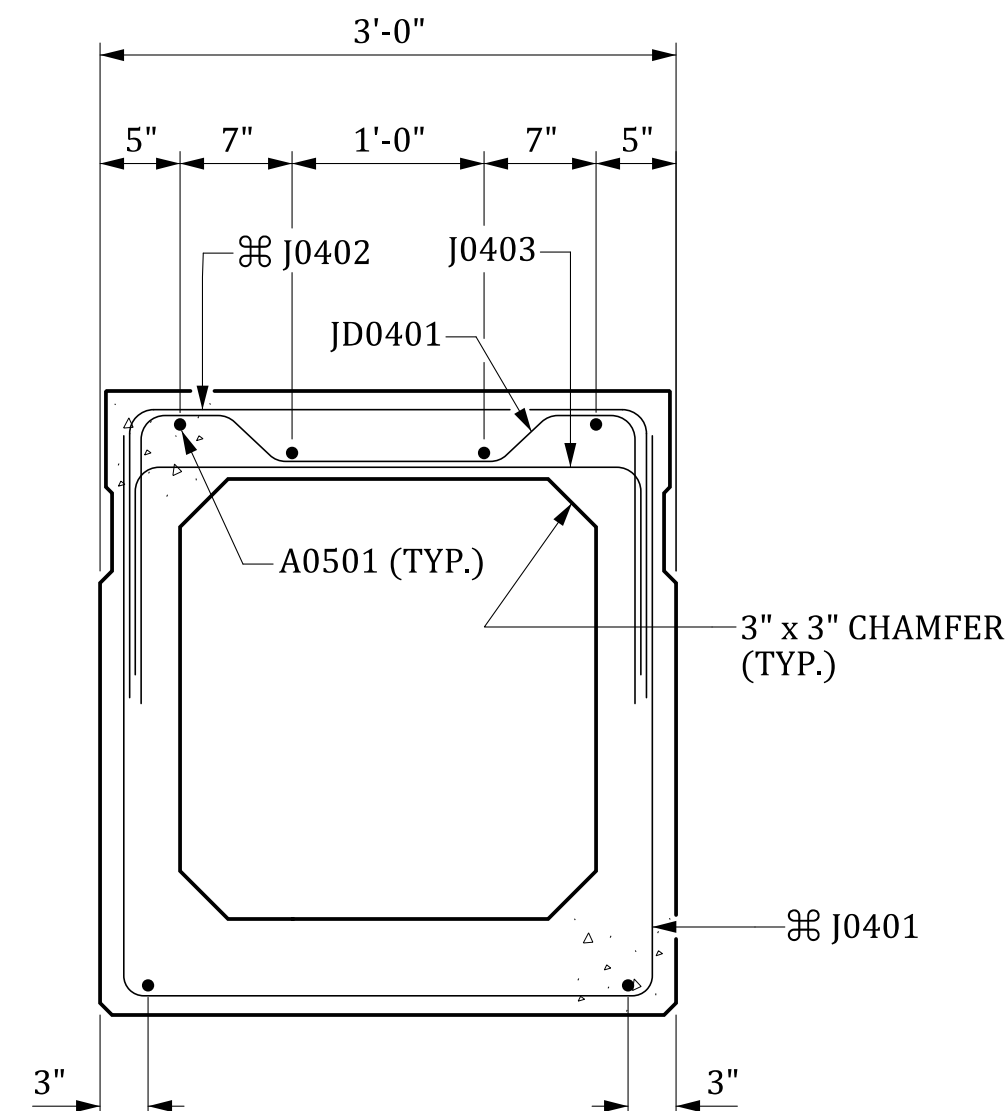
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EXTERIOR BEAM

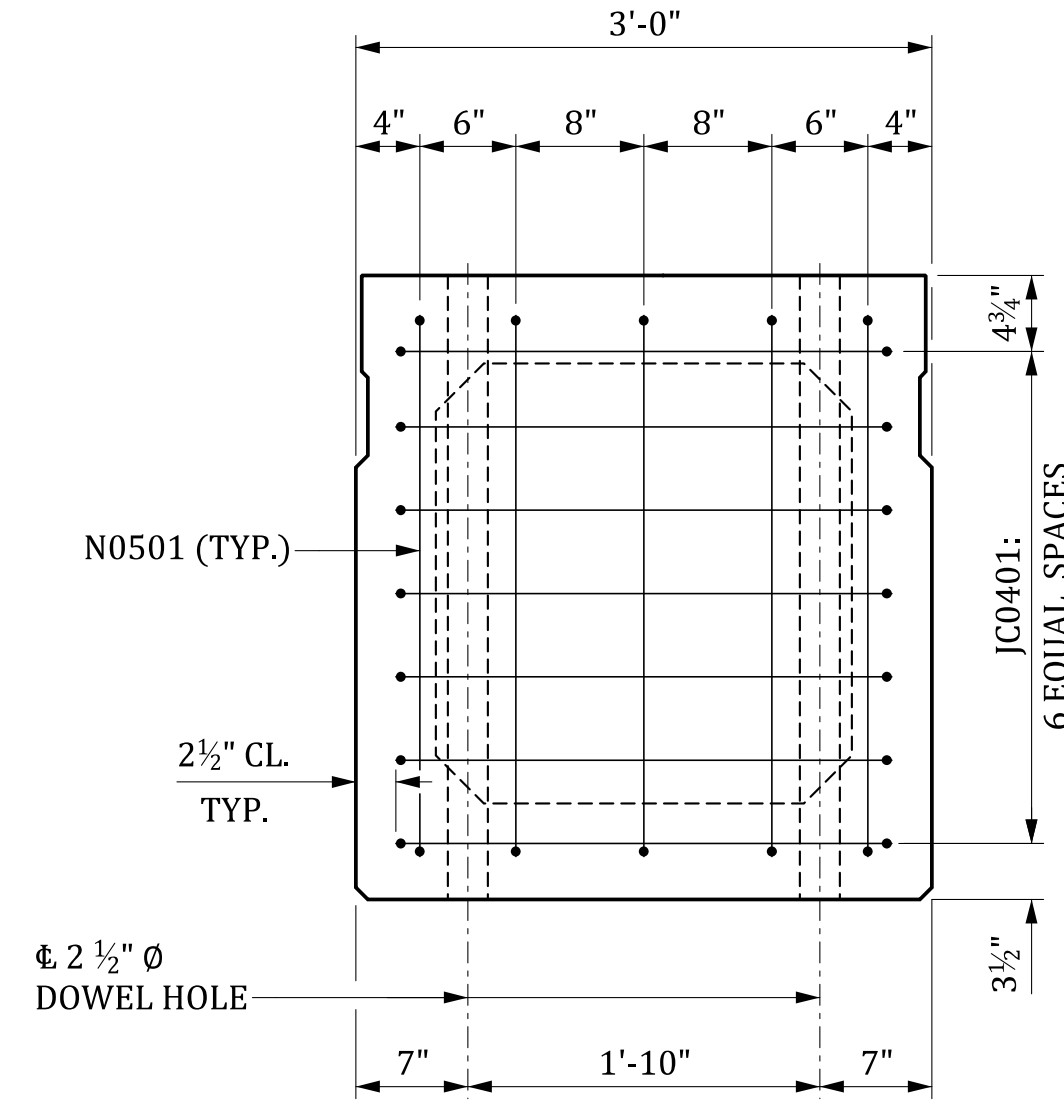
STRANDS NOT SHOWN.
FOR DETAILS NOT SHOWN, SEE "INTERIOR BEAM".

⊘ "J05" BARS REQUIRED AT END REGIONS OF BEAM.



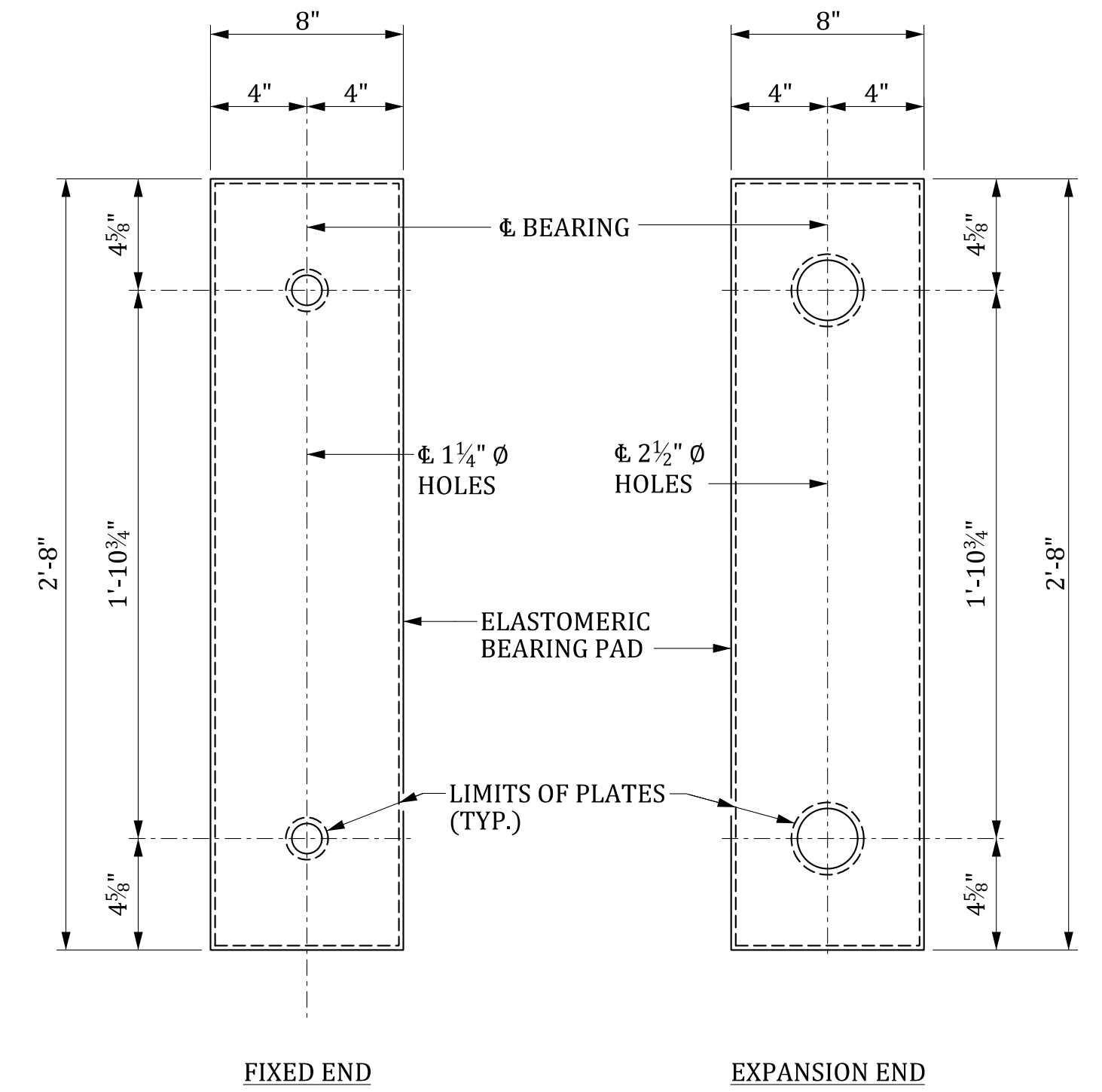
INTERIOR BEAM

STRANDS NOT SHOWN.
FOR DETAILS NOT SHOWN, SEE "EXTERIOR BEAM".

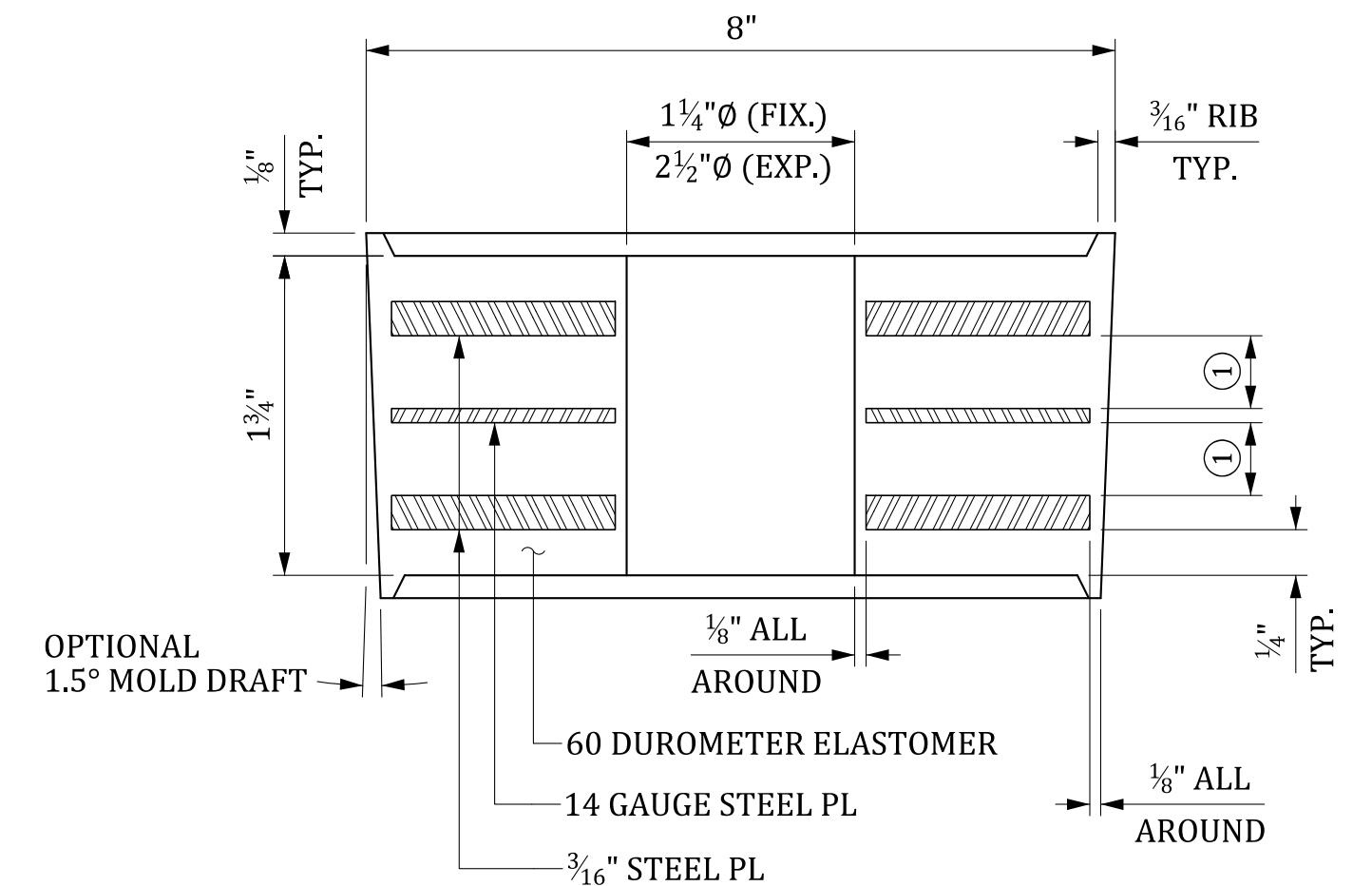


END ELEVATION

STRANDS NOT SHOWN.
INTERIOR BEAM SHOWN - EXTERIOR BEAM SIMILAR EXCEPT SHEAR KEY LOCATION.



PLAN



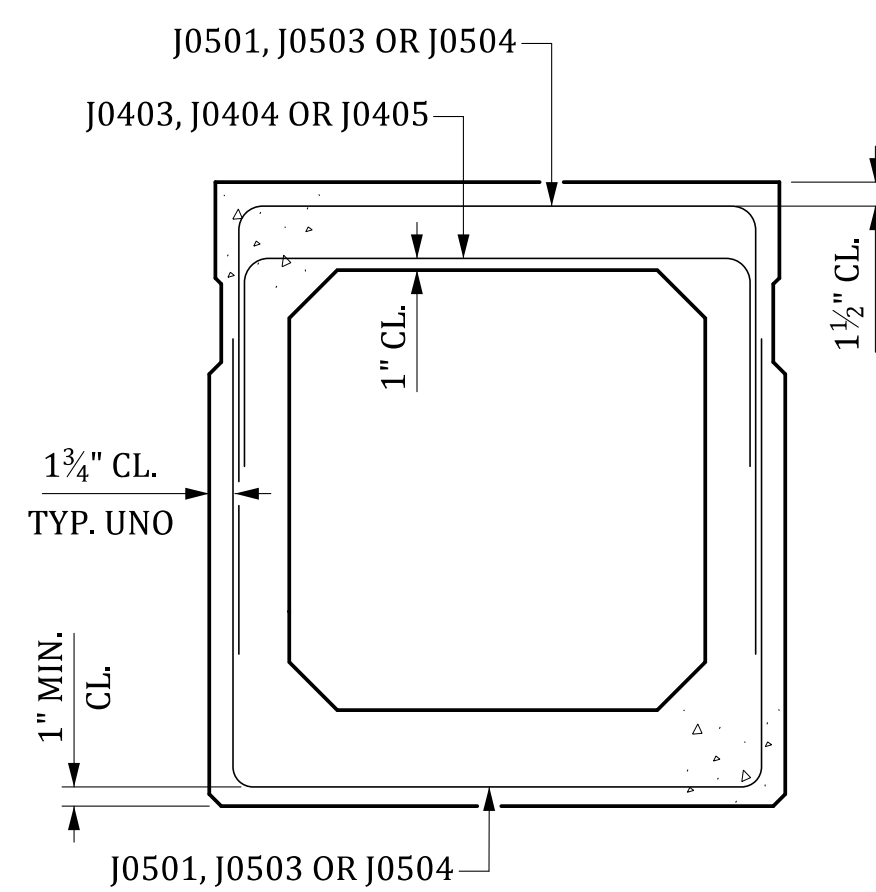
SECTION AT HOLE

① ALL INTERNAL LAYERS TO BE EQUAL THICKNESS.

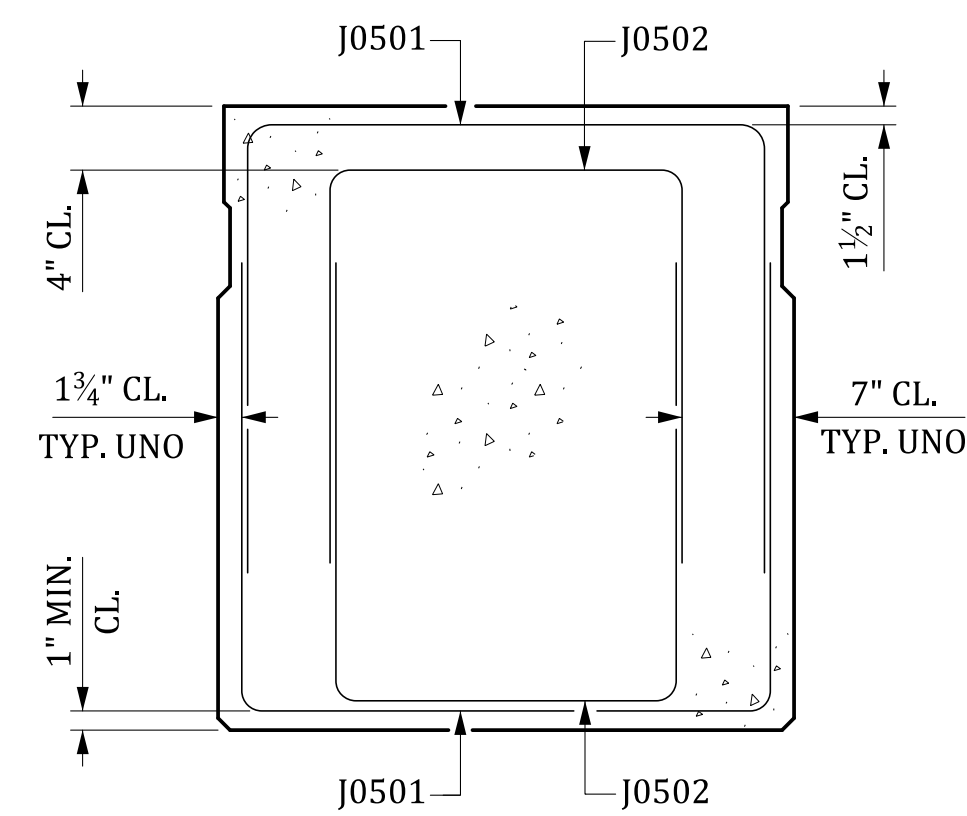
BEARING DESIGN LOAD

MAX. DL + LL = XXX KIPS

ELASTOMERIC BEARING PAD DETAILS



IN VOID

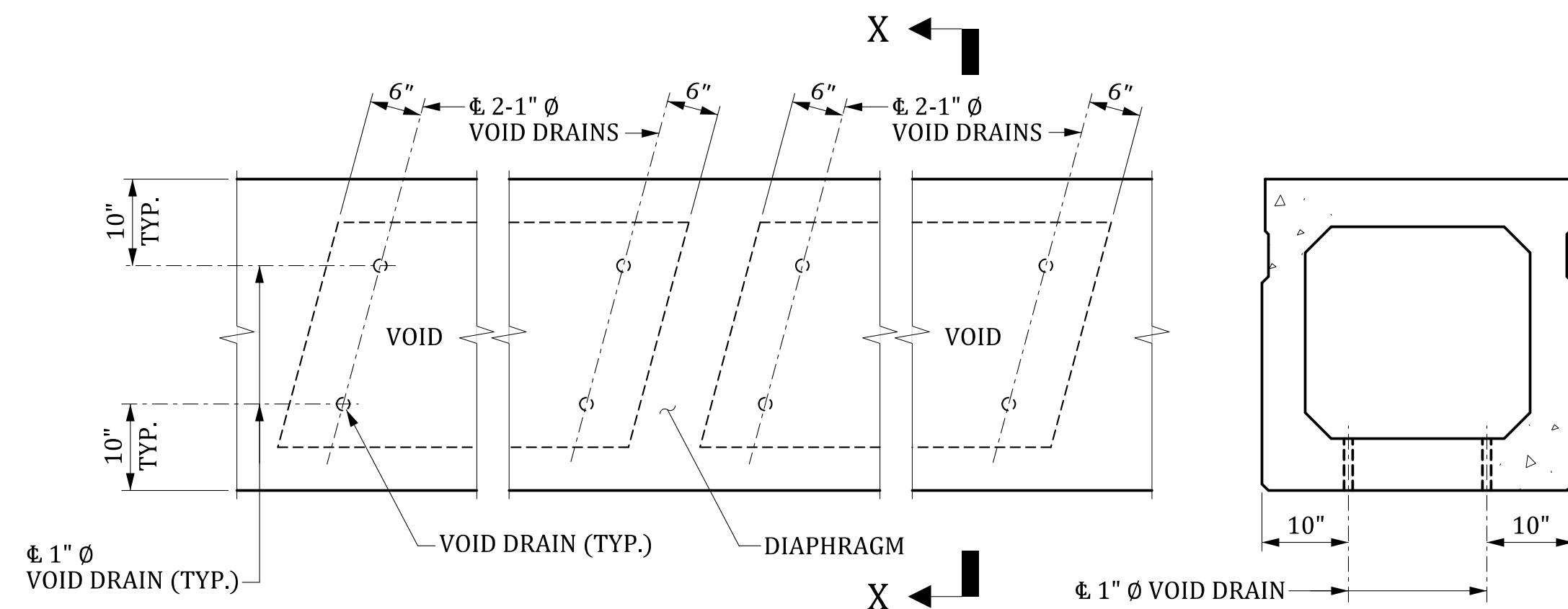


NEAR BEARING

J0502 ARE PLACED IN THE SAME VERTICAL PLANE AS J0501.

END REGION STIRRUPS

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



PARTIAL PLAN

SECTION X-X

VOID DRAIN DETAILS

NOTES:

PADS WERE DESIGNED USING AASHTO METHOD A. PAD MATERIAL SHALL BE ELASTOMER GRADE 2.

FOR ELASTOMERIC BEARING SPECIFICATIONS, SEE SCDOT STANDARD SPECIFICATIONS.

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CONSULTANT NAME/LOGO

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
PRESTRESSED CONCRETE BOX BEAM
GENERAL DETAILS 1 OF 2
(+15° SKEW)

COUNTY: ####

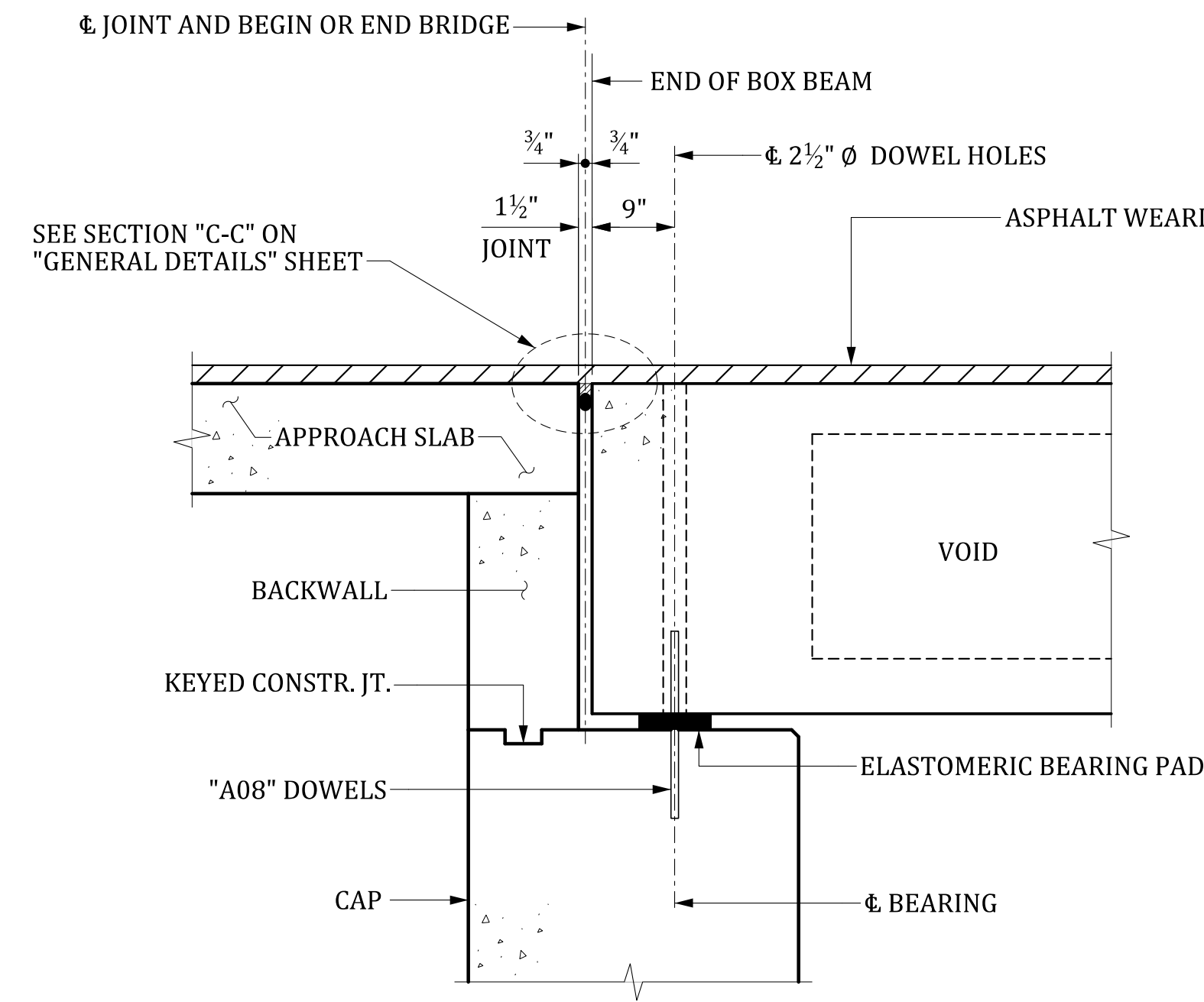
ROUTE: ####

DRAWING NUMBER: 704-ABB.GD01.SK105

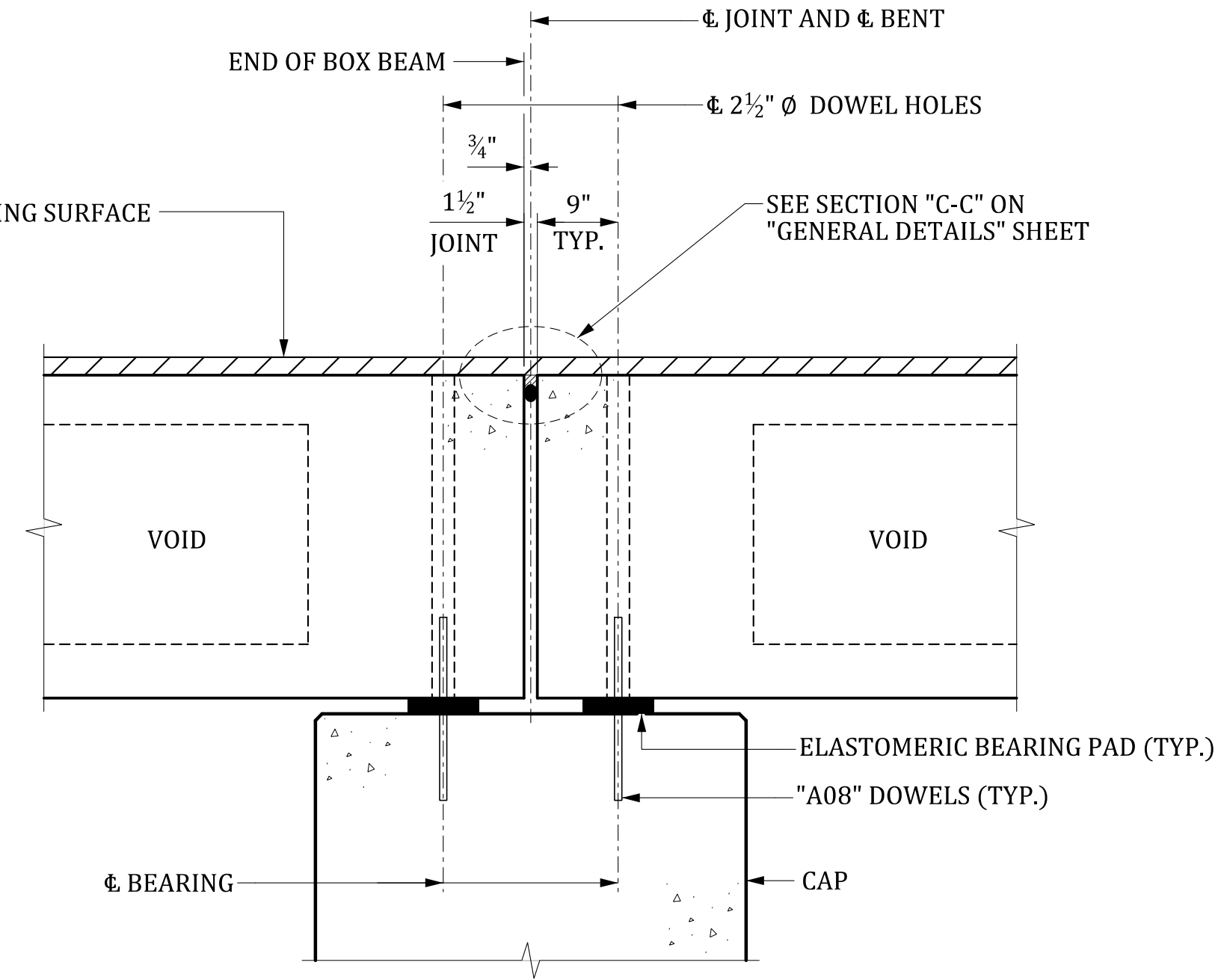
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE

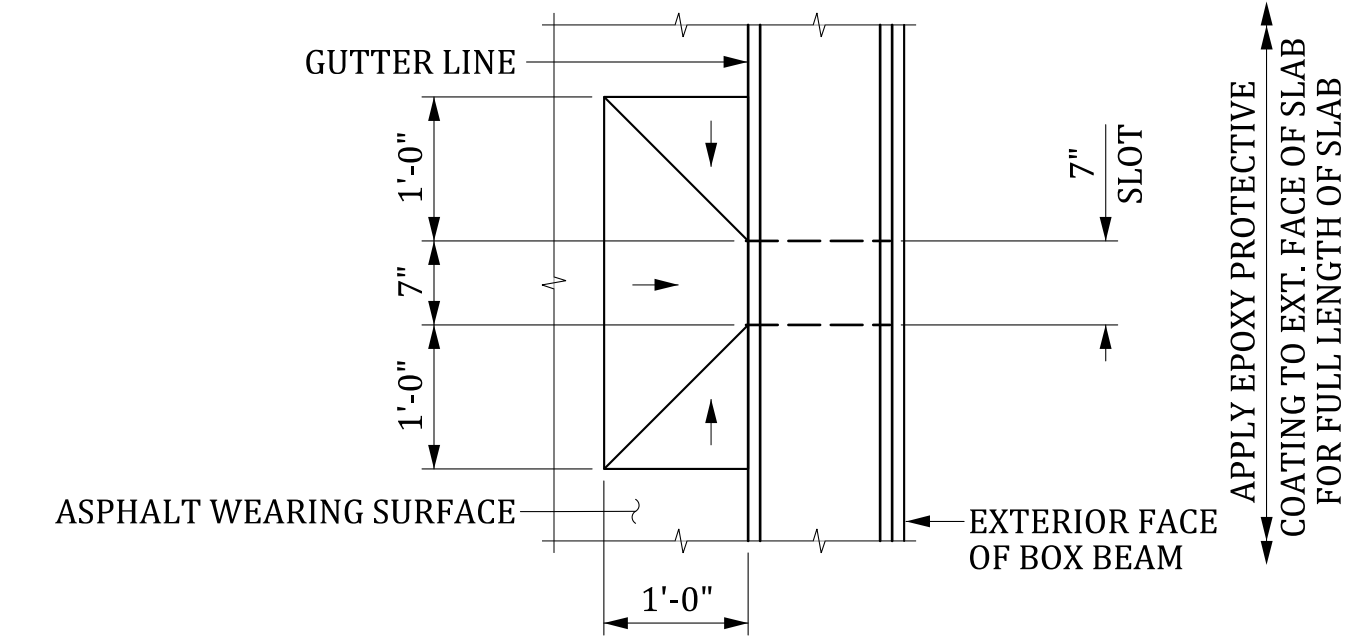
G:\Morris\6/25/2024 4:21:06 PM 704-ABB.GD.dgn



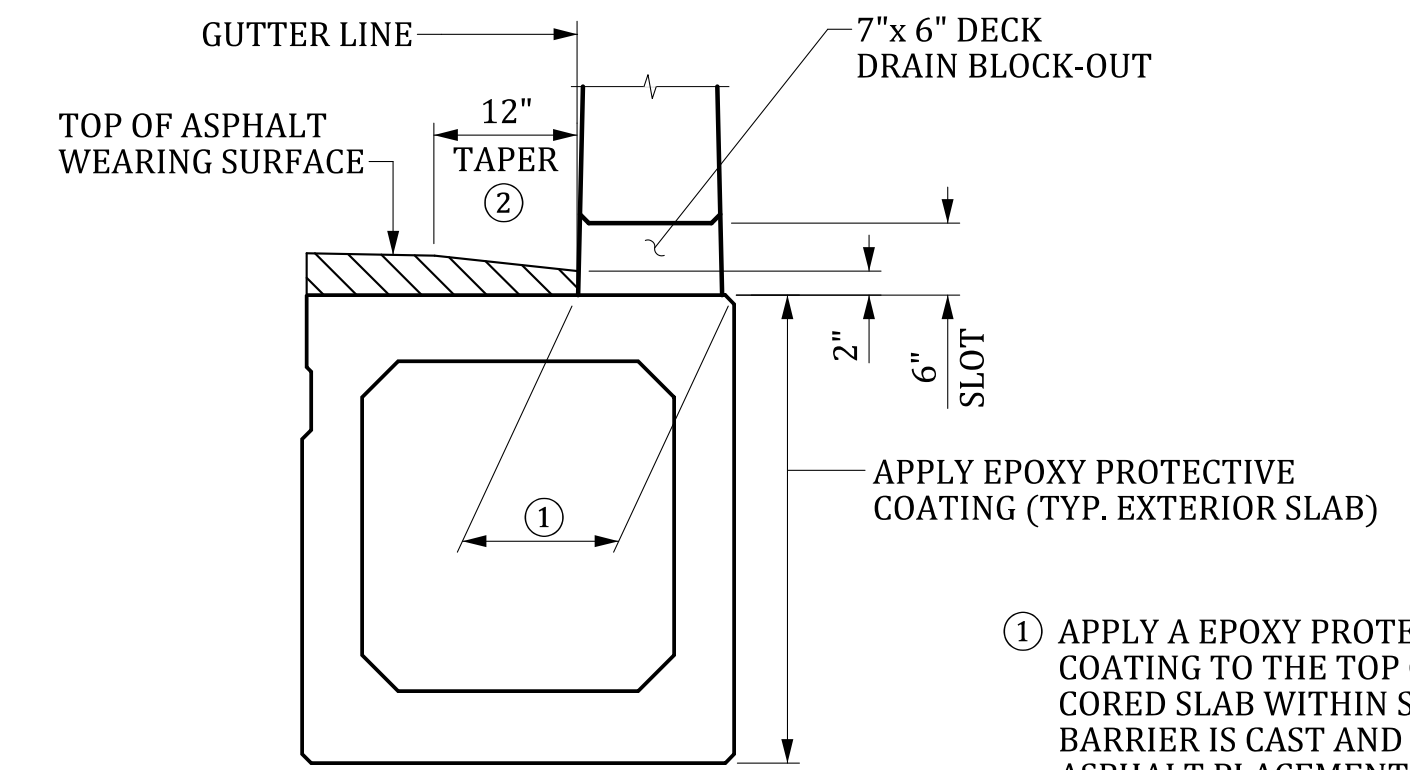
SECTION AT END BENT
NORMAL TO ϕ BENT.
APPROACH SLAB DOWELS NOT SHOWN.



SECTION AT INTERIOR BENT
NORMAL TO ϕ BENT.



PLAN

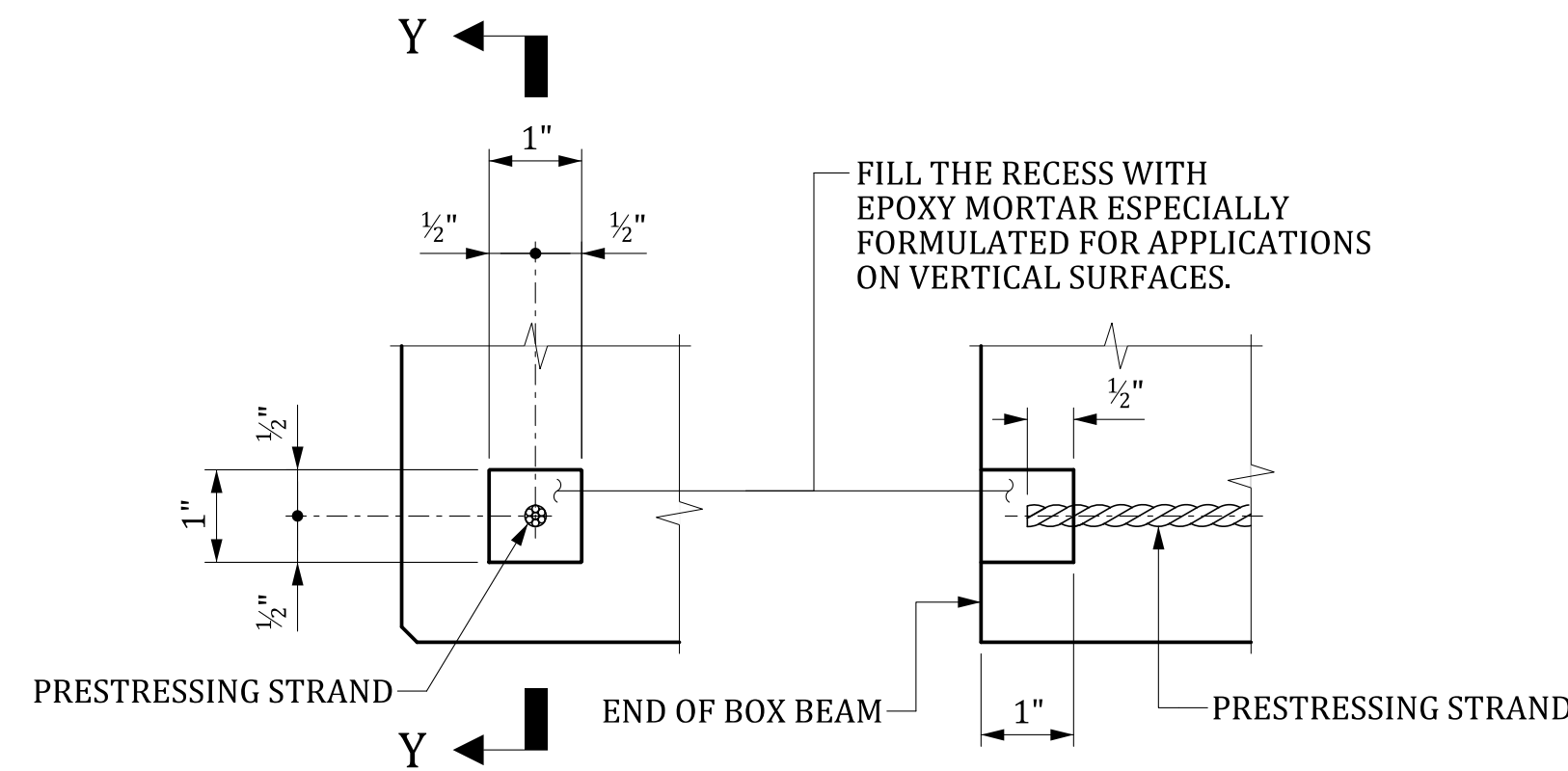


SECTION

DRAIN DETAIL

DRAIN BLOCK OUTS SHALL BE CENTERED BETWEEN VERTICAL BARRIER REINFORCING.

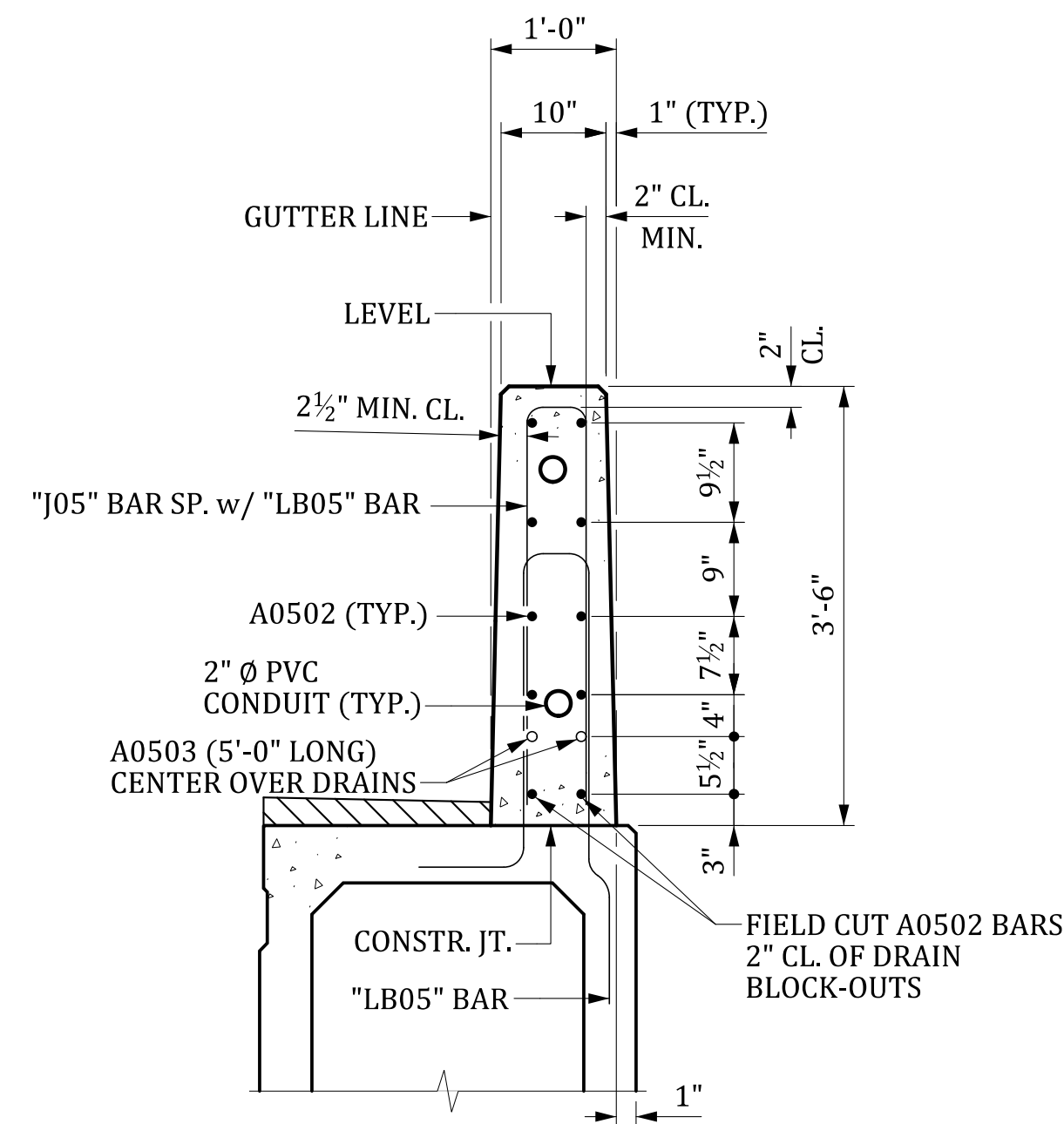
- ① APPLY A EPOXY PROTECTIVE COATING TO THE TOP OF EXTERIOR CORED SLAB WITHIN SLOT AFTER BARRIER IS CAST AND PRIOR TO ASPHALT PLACEMENT.
- ② ALSO TAPER ASPHALT 12" ALONG EDGE OF GUTTER FROM EACH END OF SLOT AS SHOWN IN "PLAN".



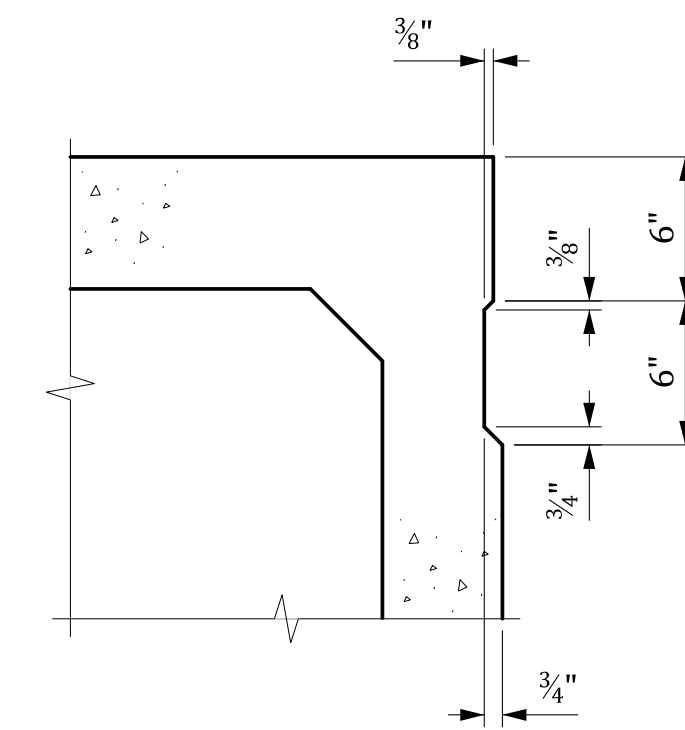
PART ELEVATION OF END OF BOX BEAM

SECTION Y-Y

GROUTED RECESS AT END OF PRETENSIONED STRAND



SECTION THRU BARRIER PARAPET
DECK DRAINS NOT SHOWN.



SHEAR KEY DETAIL

NOTE:
OMIT SHEAR KEY ON OUTSIDE FACE OF EXTERIOR BOX BEAMS.

REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION

REVIEWED	QUAN.	DR.	DES.	GCM	OP	BY	CHK.	DATE

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CONSULTANT NAME/LOGO	
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
PRESTRESSED CONCRETE BOX BEAM GENERAL DETAILS 2 OF 2	
COUNTY: ####	ROUTE: ####

G:\Morris\6/25/2024 4:21:11 PM 704-ABB.GD.dgn