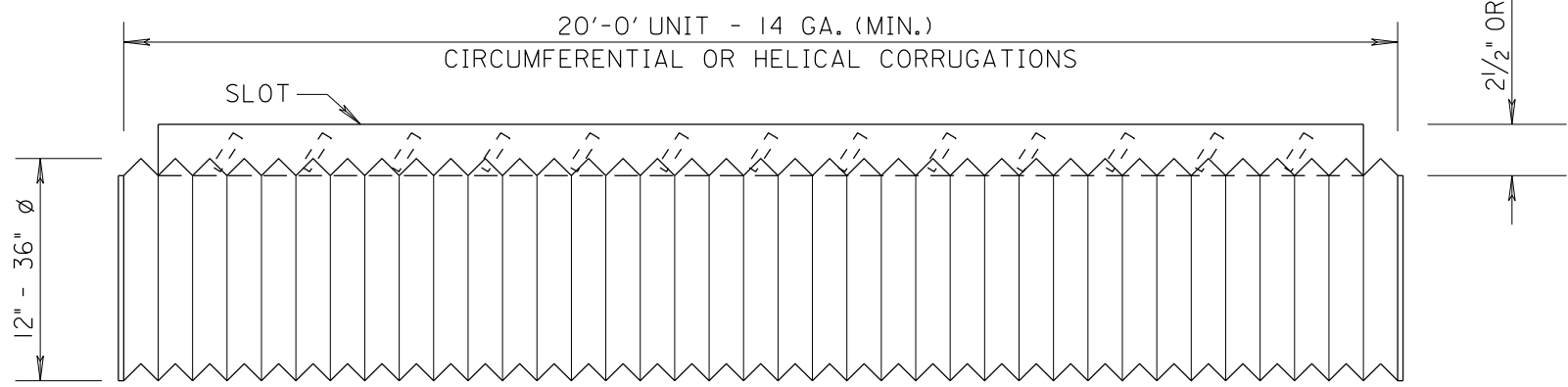
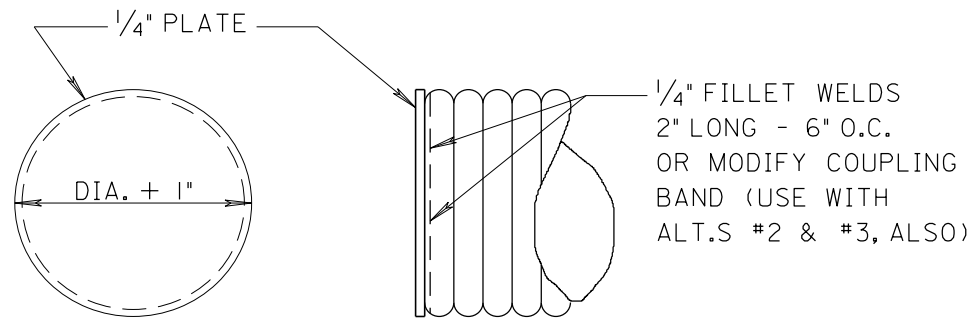


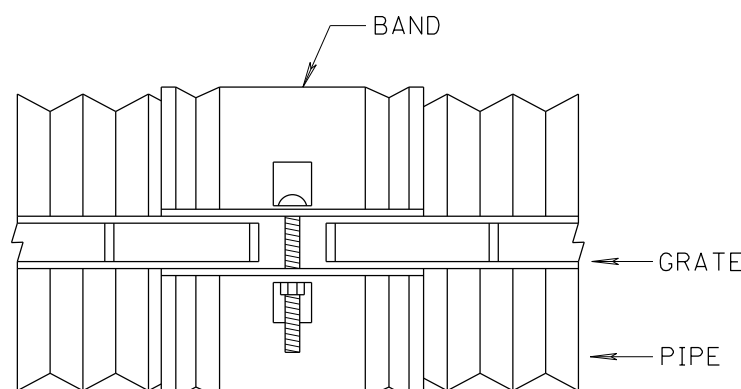
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO



ELEVATION VIEW

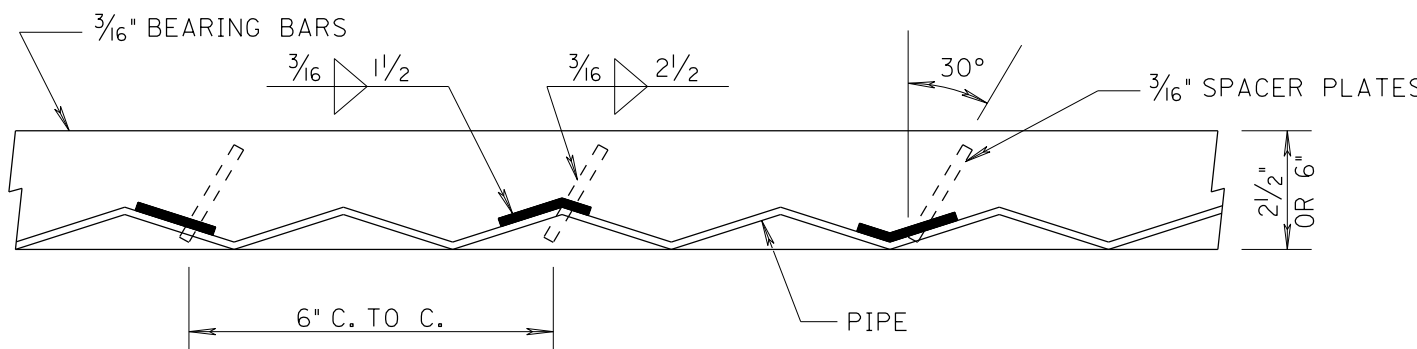


DETAILS FOR PLUGGING END OF PIPE



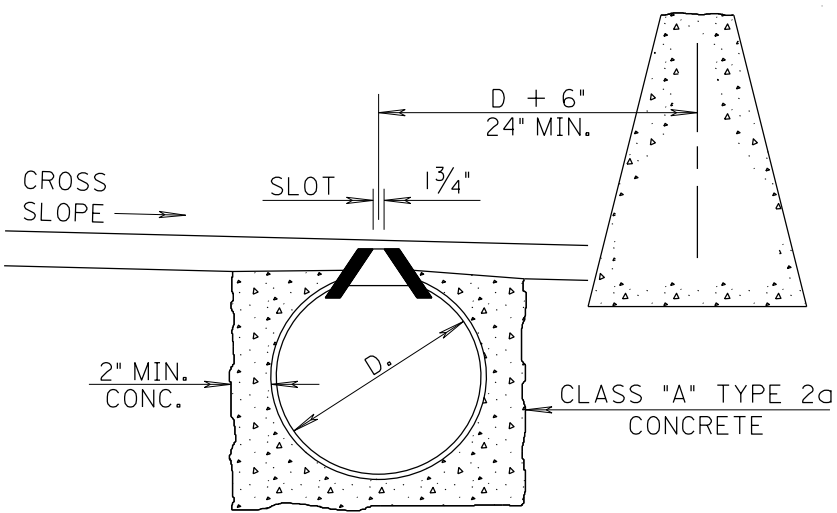
PLAN VIEW

TYPICAL COUPLING BAND

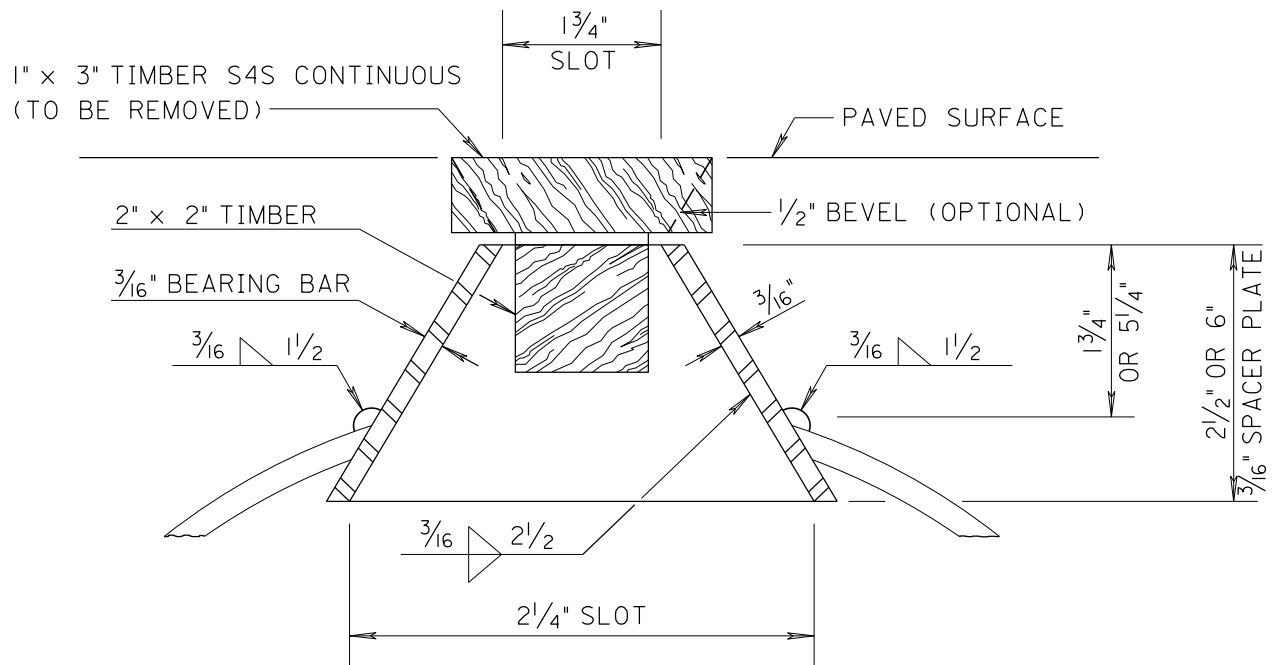
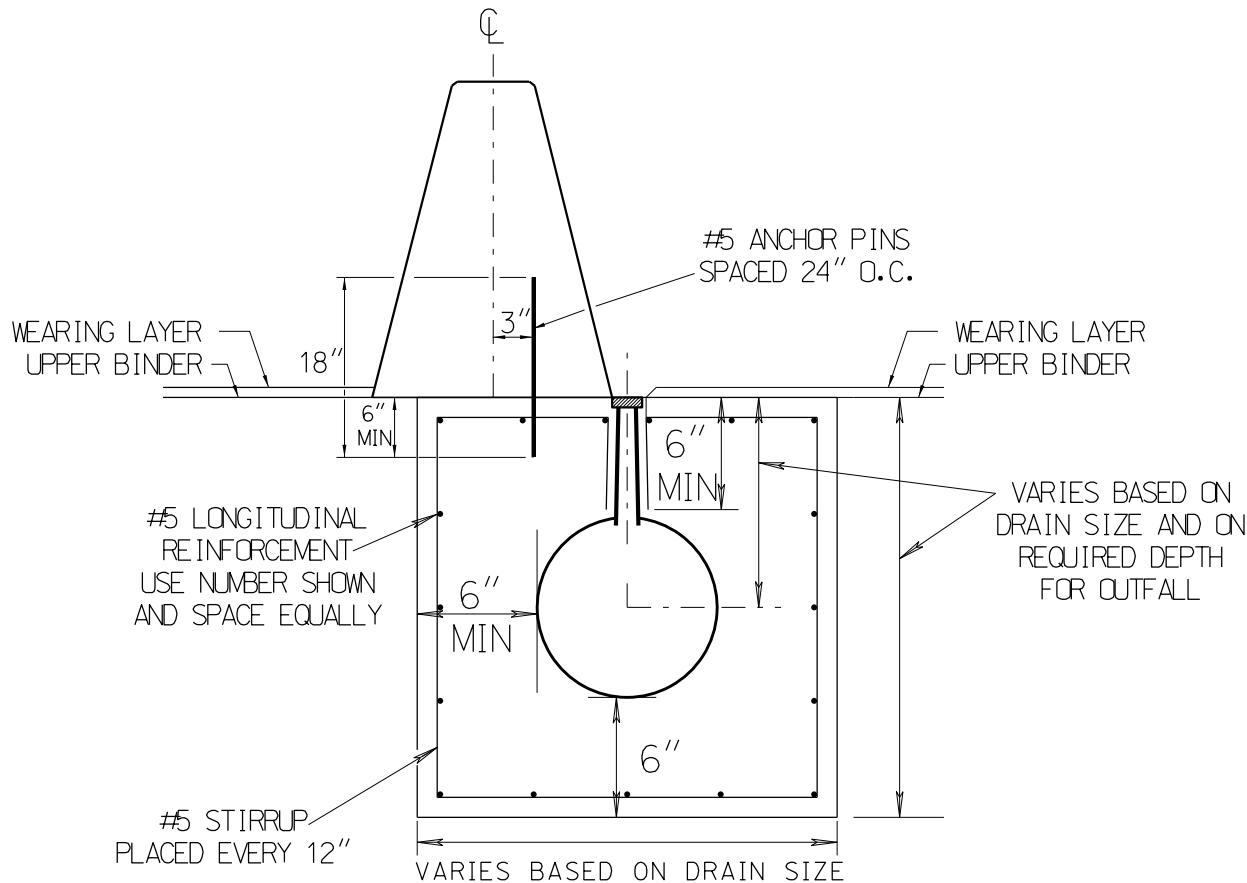


GRATE SLOT WELDING DETAIL

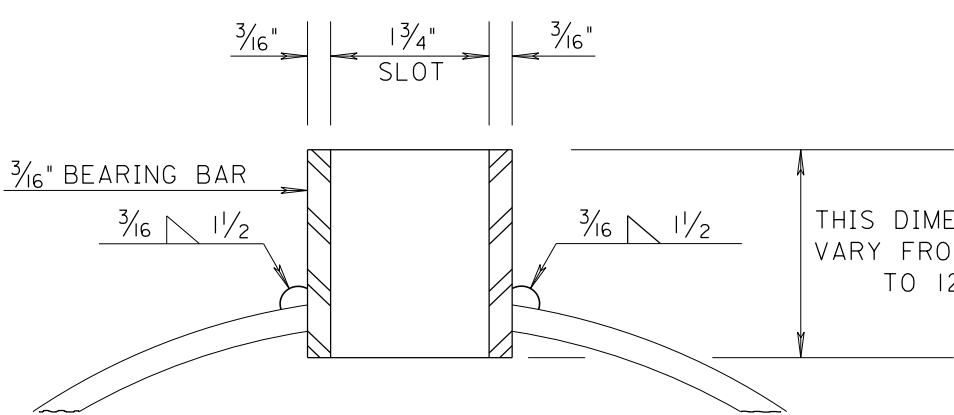
ALTERNATE #1 - FOR USE WITH BITUMINOUS OR CONCRETE PAVEMENT



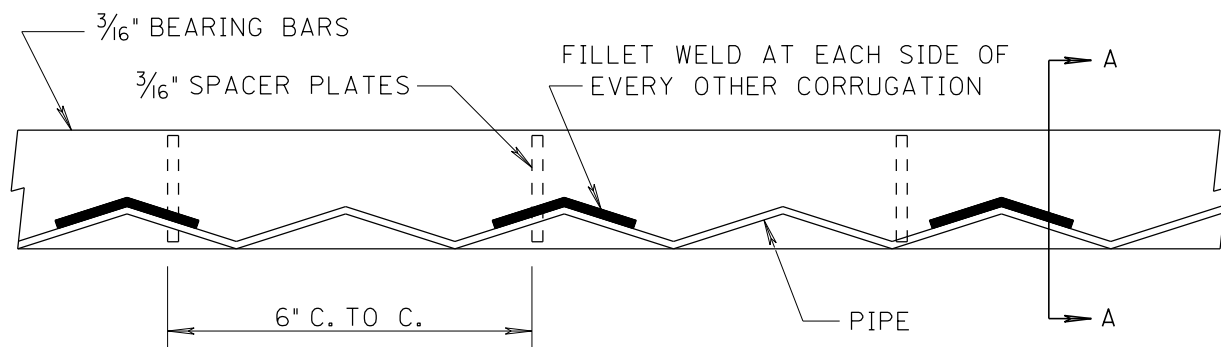
CROSS SECTION VIEWS
SHOWING OPTIONAL PLACEMENTS
AND TYING OF CONCRETE MEDIAN
BARRIER, NOT TO SCALE



GRATE SLOT DETAIL



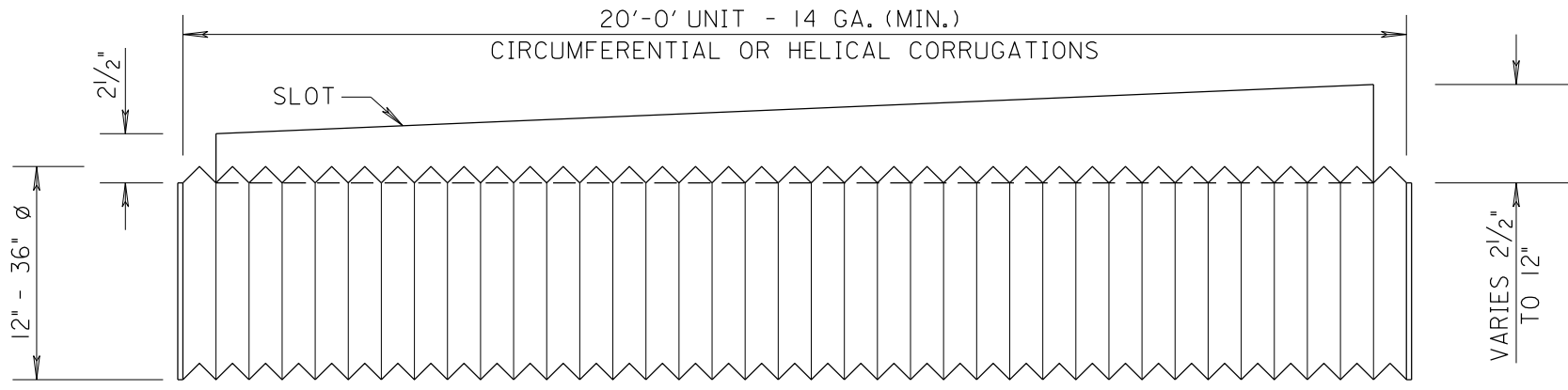
SECTION A-A
GRATE SLOT DETAIL



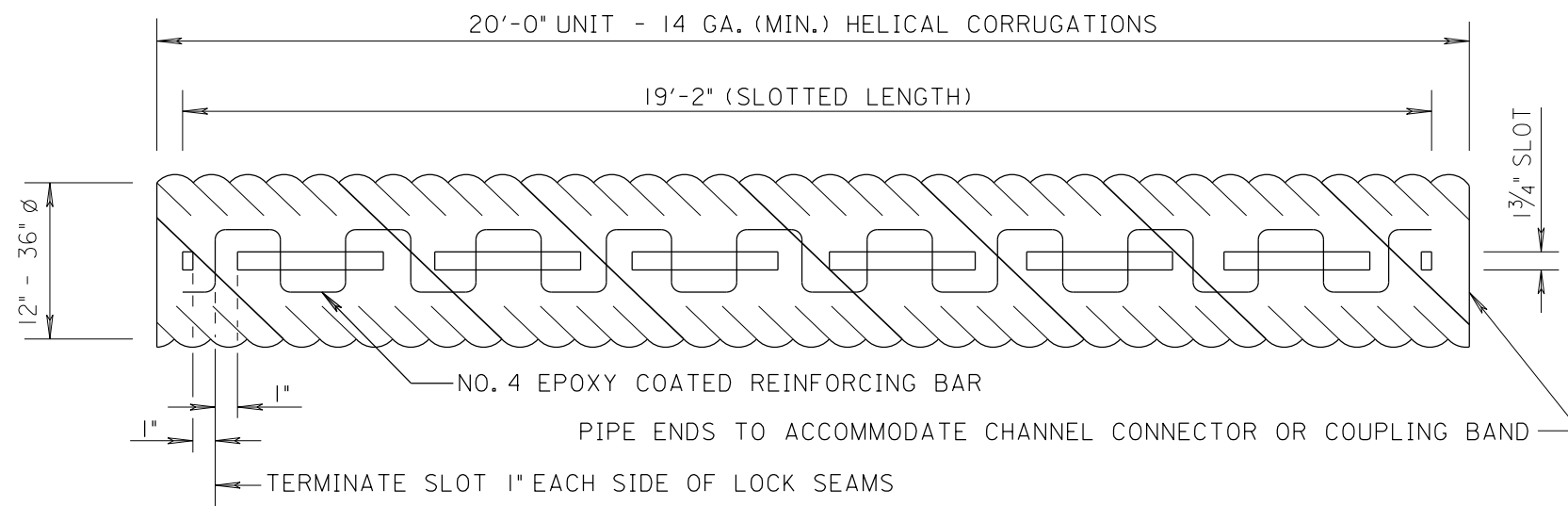
GRATE WELDING DETAIL

NOTE: FOR TYPICAL COUPLING BAND
SEE ALTERNATE #1 ABOVE.

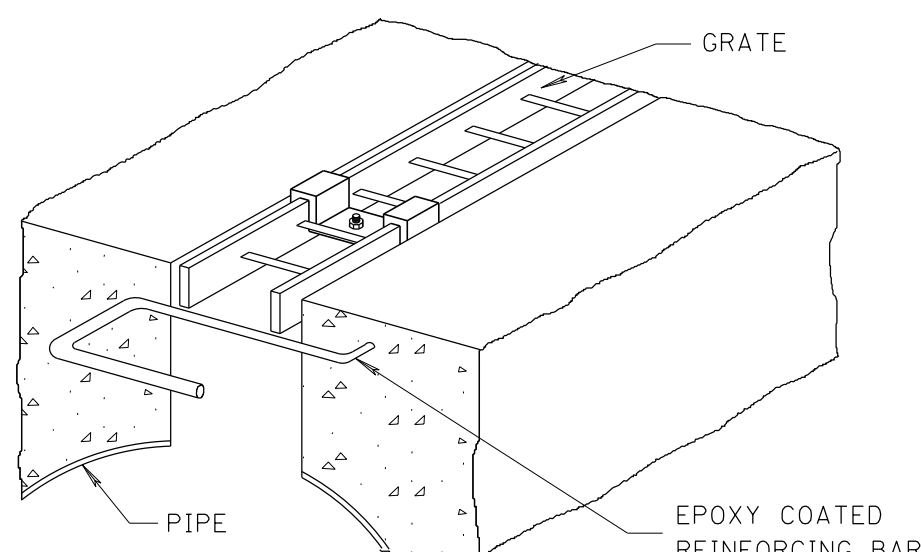
ELEVATION VIEW



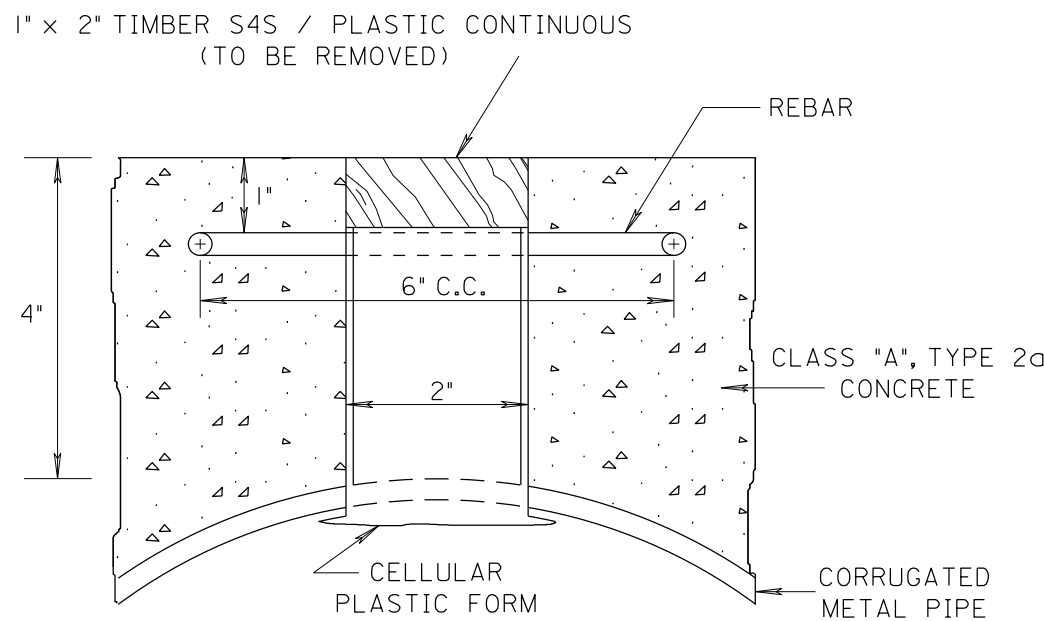
ALTERNATE #3 - PARALLEL SIDE GRATE-TYPE 4 (VARIABLE HEIGHT APPLICATIONS ONLY)



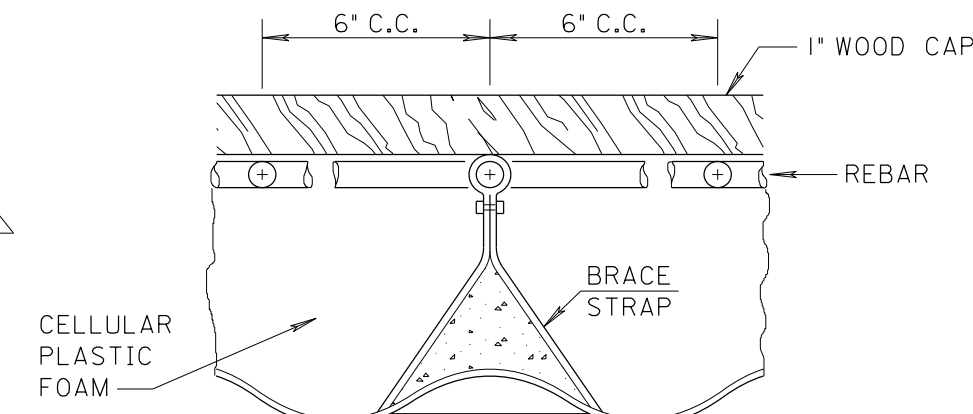
PLAN VIEW



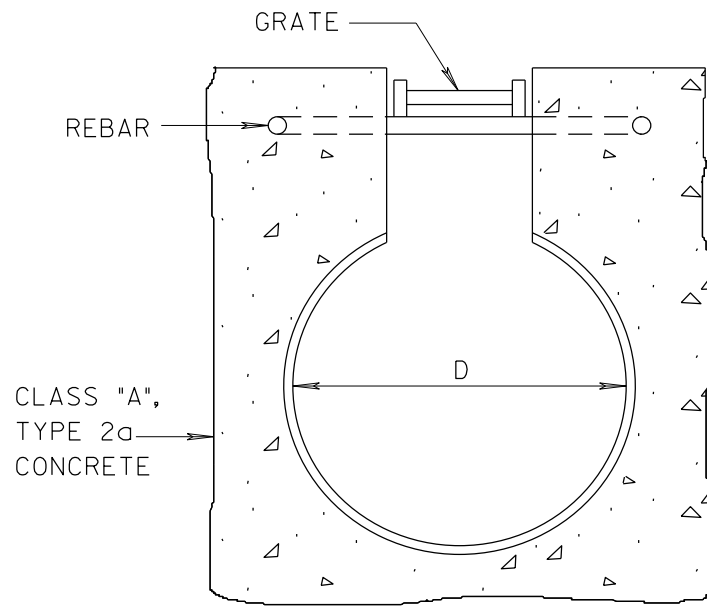
INSTALLED PERSPECTIVE



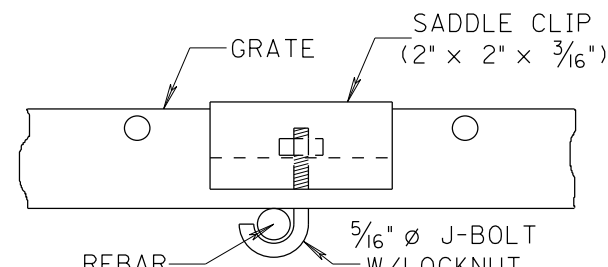
CONCRETE SLOT FORM DETAILS



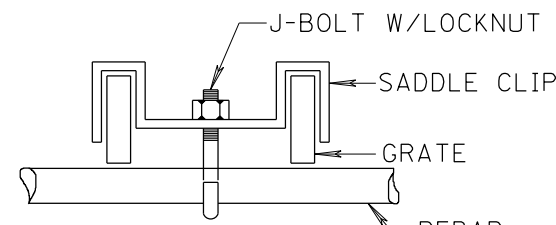
CROSS BAR DETAIL
STEEL (ASTM-A615) EPOXY
COATED 7 MILS THICK



CROSS SECTION VIEW

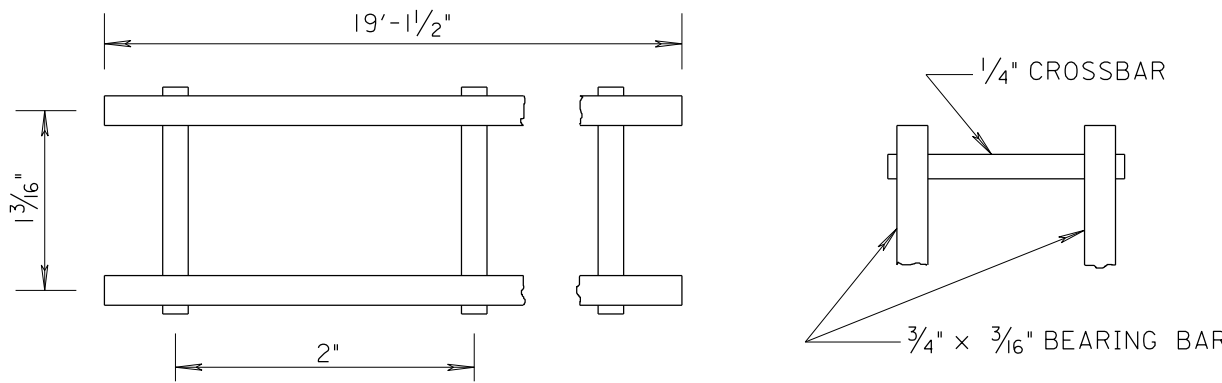


ELEVATION VIEW



SECTION VIEW

GRATE TO REBAR CONNECTION



STEEL GRATE DETAILS
ASTM-A569 H.D. GALVANIZATION

ALTERNATE #2 - FOR USE WITH CONCRETE PAVEMENT ONLY

GENERAL NOTES

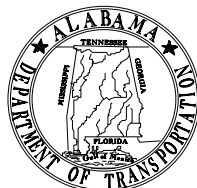
- ALL PIPE AND COUPLING BANDS SHALL MEET THE REQUIREMENTS OF ALDOT SPECIFICATIONS.
- ALL STEEL COMPONENTS, UNLESS OTHERWISE SPECIFIED, SHALL CONFORM TO ASTM-A36 AND GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM-A123.
- NUTS, BOLTS AND WASHERS SHALL MEET THE REQUIREMENTS OF ASTM-A307 & ASTM-A153.
- PIPE SHALL BE SIZED FROM STANDARD HYDRAULIC CHARTS. SLOTS AS DETAILED WILL BE ADEQUATE FOR ALL PIPES SHOWN.
- ONLY SLOTTED DRAIN PIPE THAT HAVE PRIOR APPROVAL OF THE ALDOT PRODUCTS EVALUATION BOARD WILL BE ALLOWED.
- TOLERANCES - FINISHED SLOTTED DRAIN (20' LENGTHS)
VERTICAL BOW - +/- 3/16"
HORIZONTAL BOW - +/- 3/16"
TWIST - +/- 1/2"
- THE DETAILS ON THIS SHEET ARE INTENDED FOR SLOTTED DRAIN PLACEMENTS THAT ARE NOT UNDER TRAFFIC. IF THE SLOTTED DRAIN WILL BE UNDER TRAFFIC (DURING CONSTRUCTION OR OTHERWISE) THEN USE DRAWING HD50-532 FOR A SLOTTED DRAIN THAT CAN BE USED UNDER TRAFFIC.

--SPECIFICATIONS--

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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- REVISIONS
- Deleted Bituminous Coated & changed Type 2 to Type 2a concrete on 01-27-00 by J.F.T.
 - Updated drawing to MASH approved "Constant Slope Face Barrier" and added General Note 7 on 09-21-18 by J.F.T.
 - Modified Note 7 to provide reference to drawing HD50-532 and added barrier options on 6-30-2020 by D.W.



ALABAMA DEPARTMENT
OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

DETAILS OF CORRUGATED SLOTTED
DRAIN PIPE 12"-36" DIAMETER

Bureau Std Engr: D.J.W.
DRAWN BY: C.J.L. DATE DRAWN: 12-05-74

SPECIAL DRAWING NO
CSP-532

INDEX NO
53201

NOT TO SCALE

