

NOTES:

- 1. THE DESIGN OF THIS STRUCTURE IS BASED ON THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS, 4TH EDITION 2001 WITH INTERIMS THROUGH 2003.
- 2. THE DESIGN OF THE CONNECTION OF THE DMS CABINET MOUNTING POSTS TO TRUSS CHORDS MUST BE SUBMITTED FOR APPROVAL.
- 3. MAXIMUM SIGN AREA IS 285 SQUARE FEET.
- 4. PROVIDE 15/16 DIAMETER HOLES FOR 7/8 DIAMETER HIGH STRENGTH (H.S.) BOLTS FOR ALL CONNECTIONS UNLESS OTHERWISE STATED.
- CONTRACTOR TO ORIENT THE L4" X 4" X 5/16" DIAGONAL AND VERTICAL BRACING PER FABRICATORS RECOMMENDATION. ALL BRACING ON THE STRUCTURE TO BE AT THE SAME ORIENTATION.
- 6. IF ANTENNA SUPPORT POLE IS REQUIRED, PROVIDE AIR TERMINAL, DOWN CONDUCTOR, AND MOUNTING STRAPS IN ADDITION TO LIGHTNING PROTECTION (LP) EQUIPMENT TO BE SUPPLIED FOR THE DMS CASE. THE TOP OF THE ANTENNA SUPPORT MUST BE SEALED WITH A TENON, CONTRACTOR TO VERIFY WITH ENGINEER METHOD TO ROUTE THE WIRE TO THE INTERIOR OF THE ANTENNA SUPPORT SUCH THAT A WATER TIGHT SEAL IS MAINTAINED.
- INSTALL FLEXIBLE CONDUITS IN THE DMS SUPPORT STRUCTURE CENTER COLUMN TO SEPARATE POWER AND COMMUNICATIONS CABLING.
- 8. INSTALL RODENT SCREEN BETWEEN THE BASE PLATE (P) AND TOP OF FOUNDATION.
- 9. S.S. DENOTES STAINLESS STEEL. EQ. DENOTES EQUAL. SPA. DENOTES SPACED. W/ DENOTES WITH.

ster DMS Structure.

NOT TO SCALE | File: External Partnerships/ITS Program Office/ITS Standard Details/DMS Structure/ITS-030-A LH Master DMS Structure.dgn

MICHIGAN DEPARTMENT OF TRANSPORTATION (SPECIAL DETAIL)
BUREAU OF DEVELOPMENT STANDARD PLAN

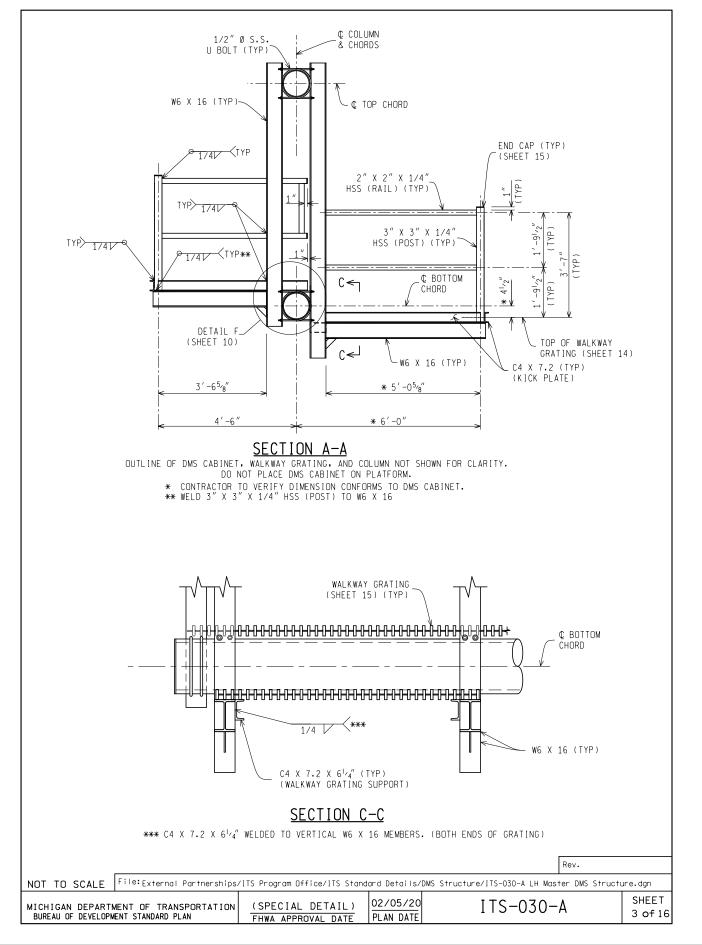
(SPECIAL DETAIL)
FHWA APPROVAL DATE

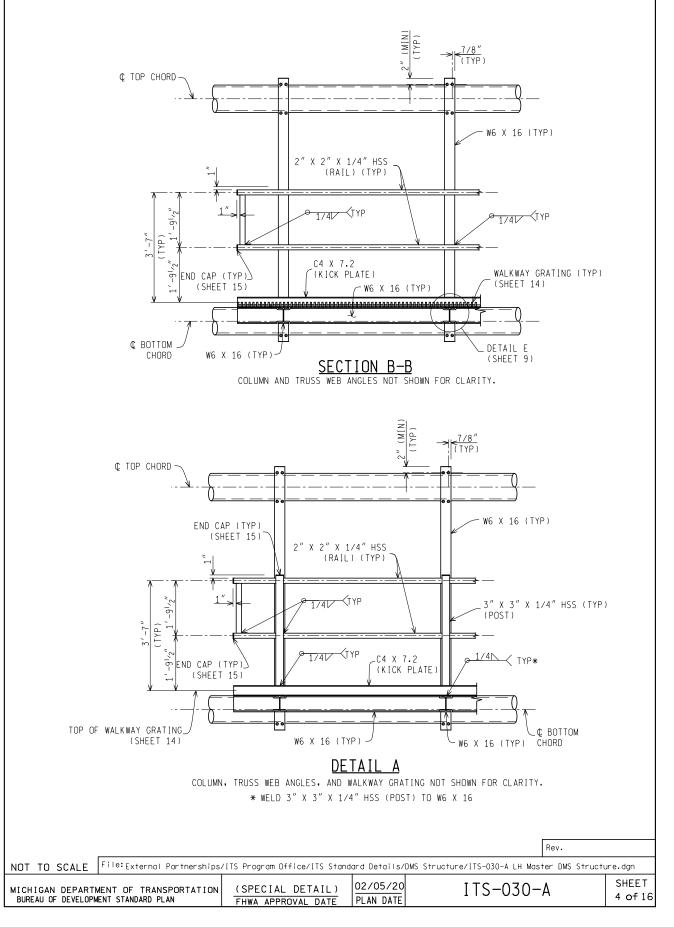
D2/05/20
PLAN DATE

ITS-030-A

SHEET
2 of 16

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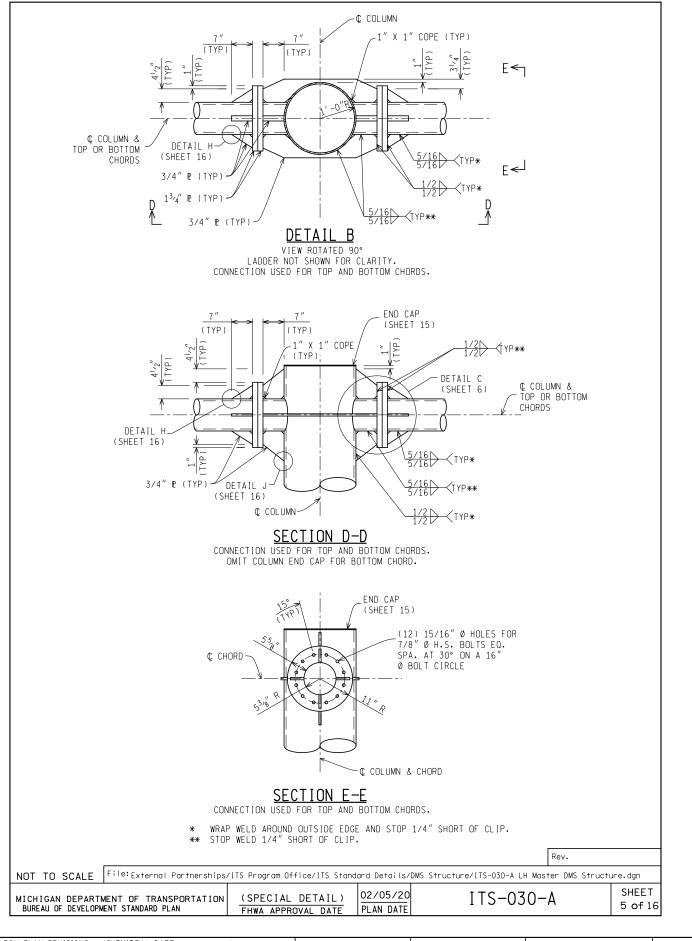


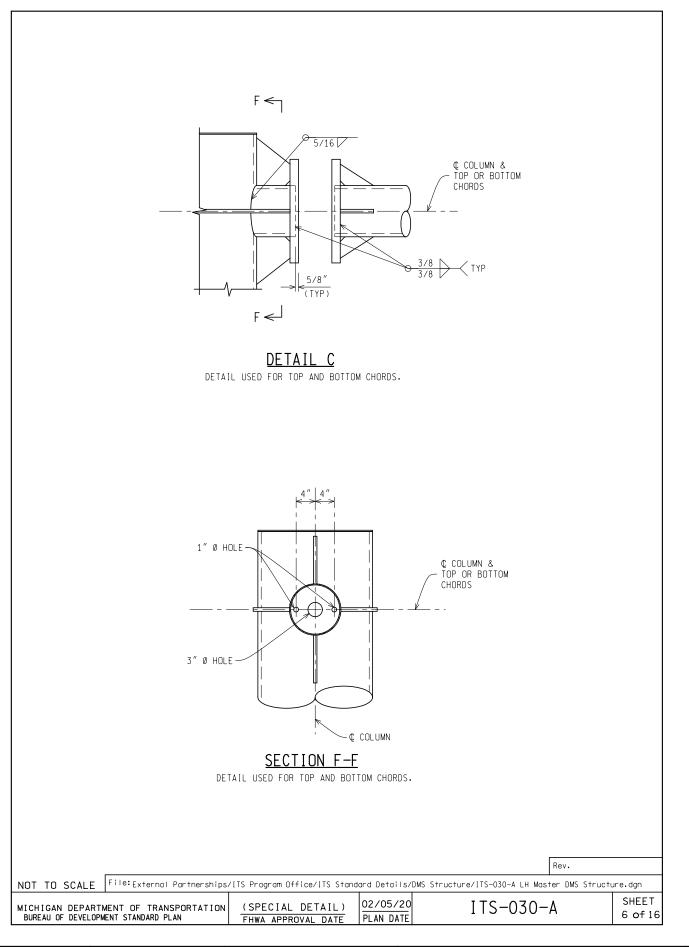
FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

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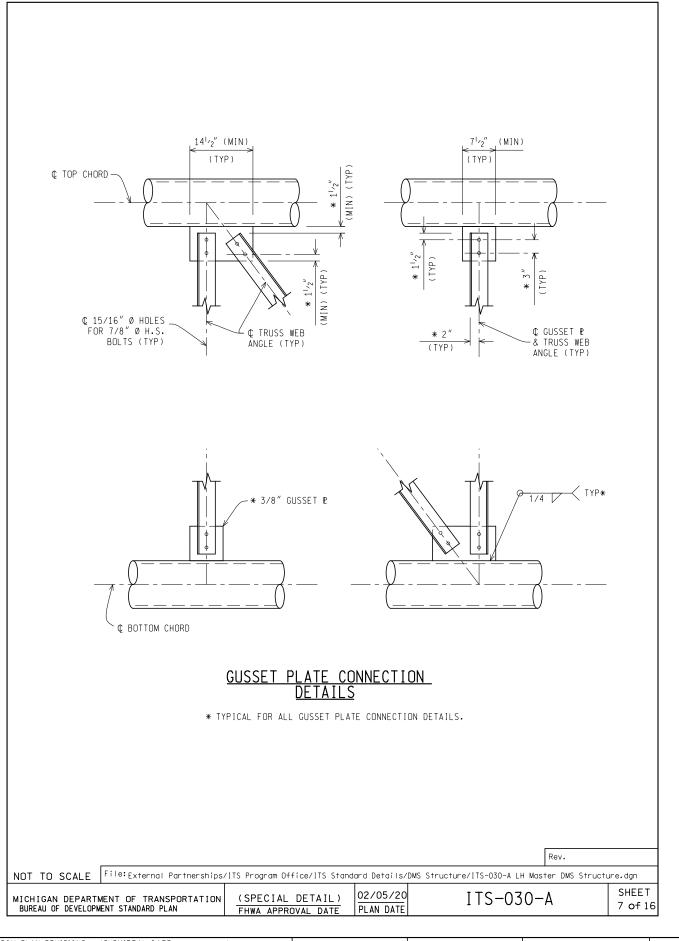


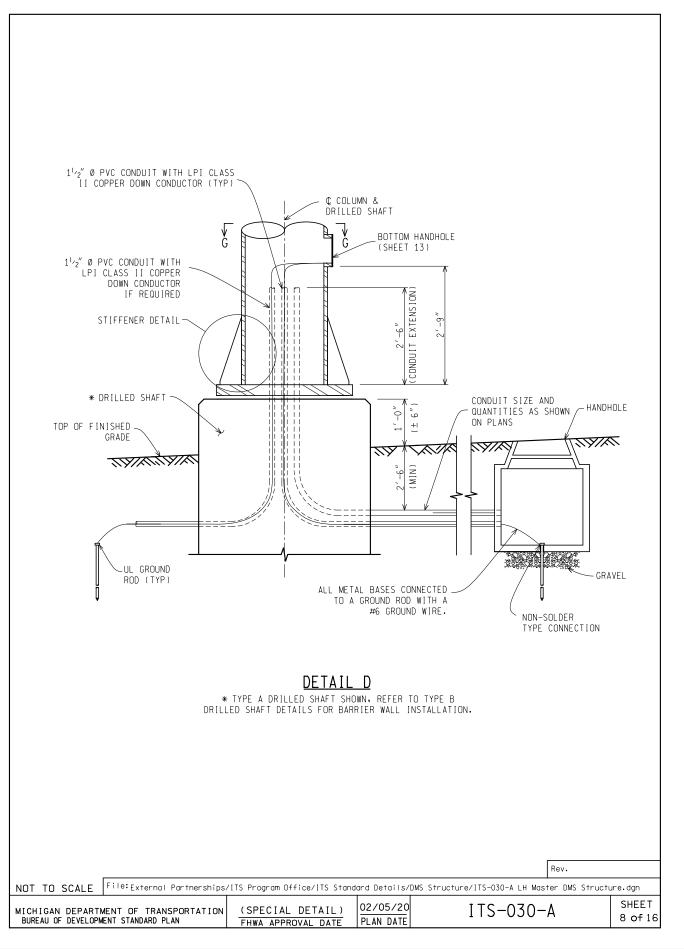
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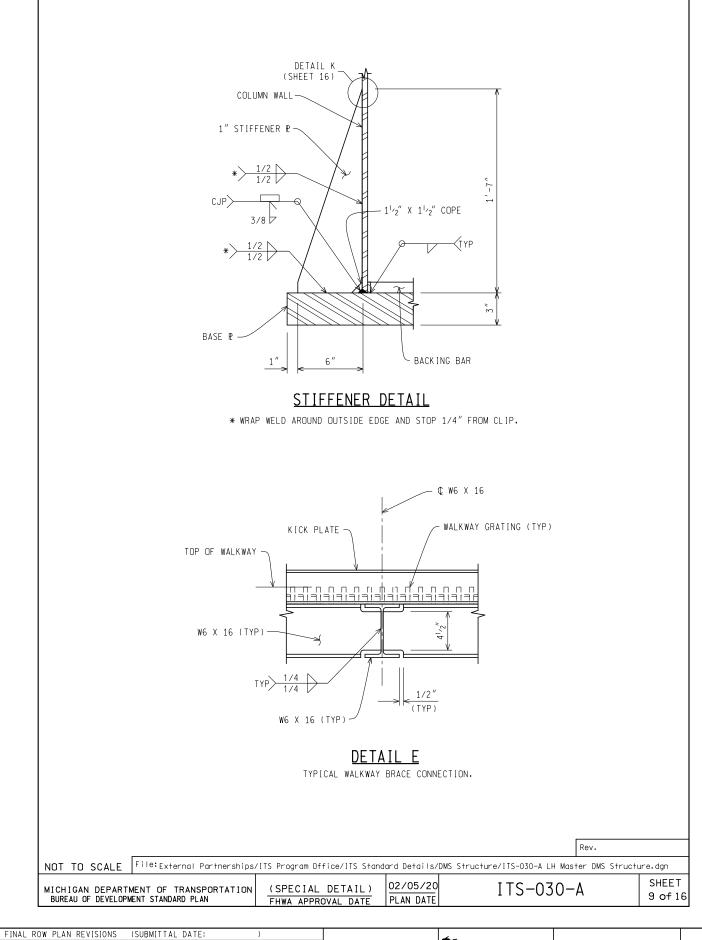


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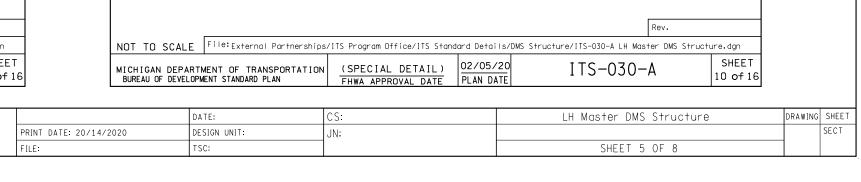
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DETAIL F

TYPICAL WALKWAY BRACE CONNECTION.
* WRAP WELD AROUND OUTSIDE EDGE AND STOP 1/4" FROM CLIP.

__ 1" X 1" COPE

-6-

9

SECTION G-G

ALIGN BASE PLATE AND ANCHOR BOLTS SO THAT THE DMS SIGN FACE IS POSITIONED TOWARDS TRAFFIC AT ANGLE SPECIFIED IN PLANS

Ø

¢ COLUMN & BASE ₱

₡ W6 X 16

4" X 4" X 1/4" P

-O

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(12) 2⁵16" Ø HOLES FOR 2" Ø ANCHOR BOLTS EQ. SPA. AT 30° ON A 32" Ø BOLT CIRCLE

-38" Ø X 3" BASE P

SPACER BAR TACK WELDED TO WALKWAY GRATING. THICKNESS AS NEEDED FOR S.S. U-BOLT CLEARANCE AND TO KEEP

WALKWAY LEVEL.

₡ BOTTOM CHORD

(2) 1/2" Ø S.S. U BOLTS (TYP)

- DRILLED SHAFT

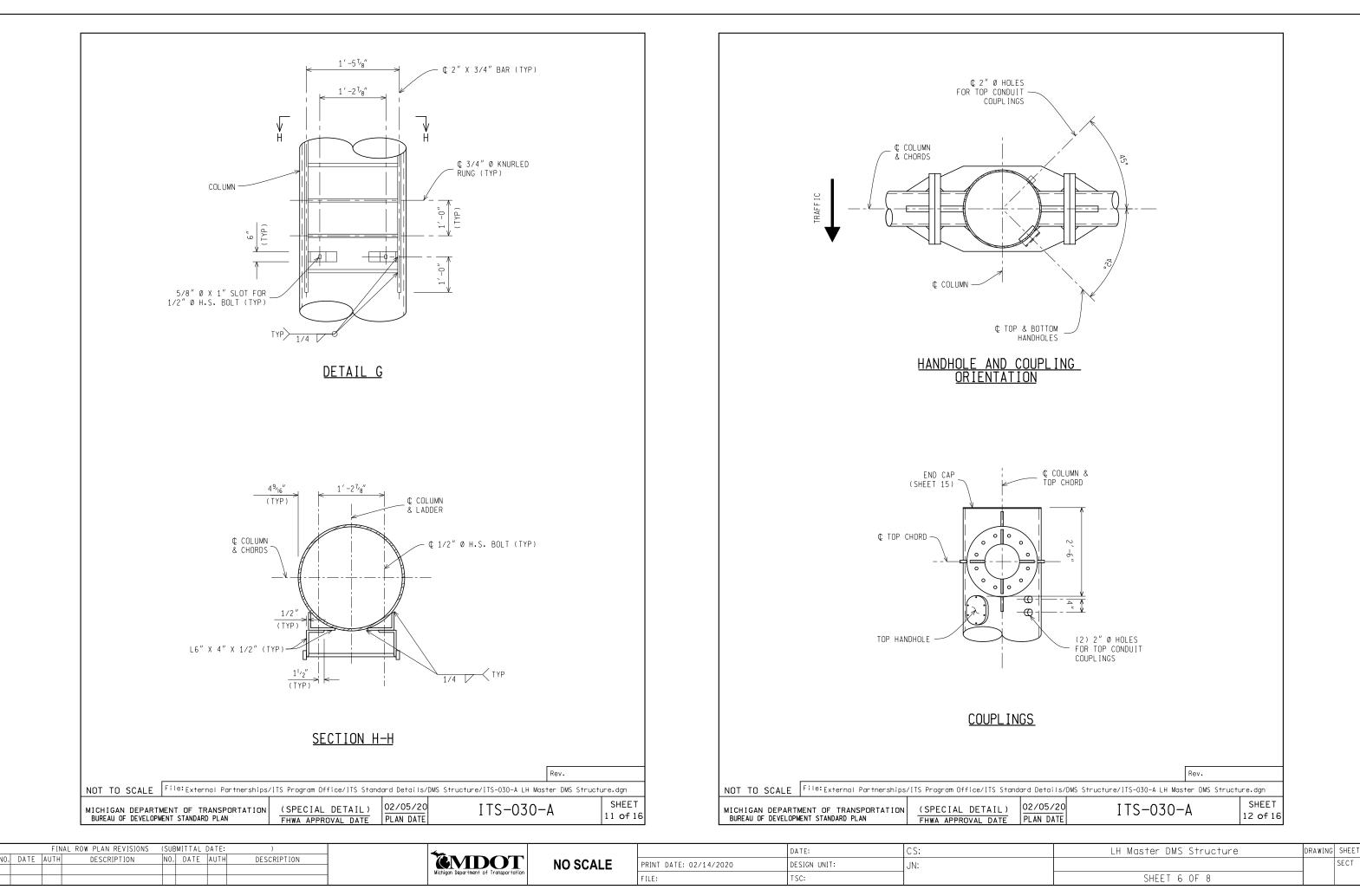
WALKWAY GRATING (TYP)

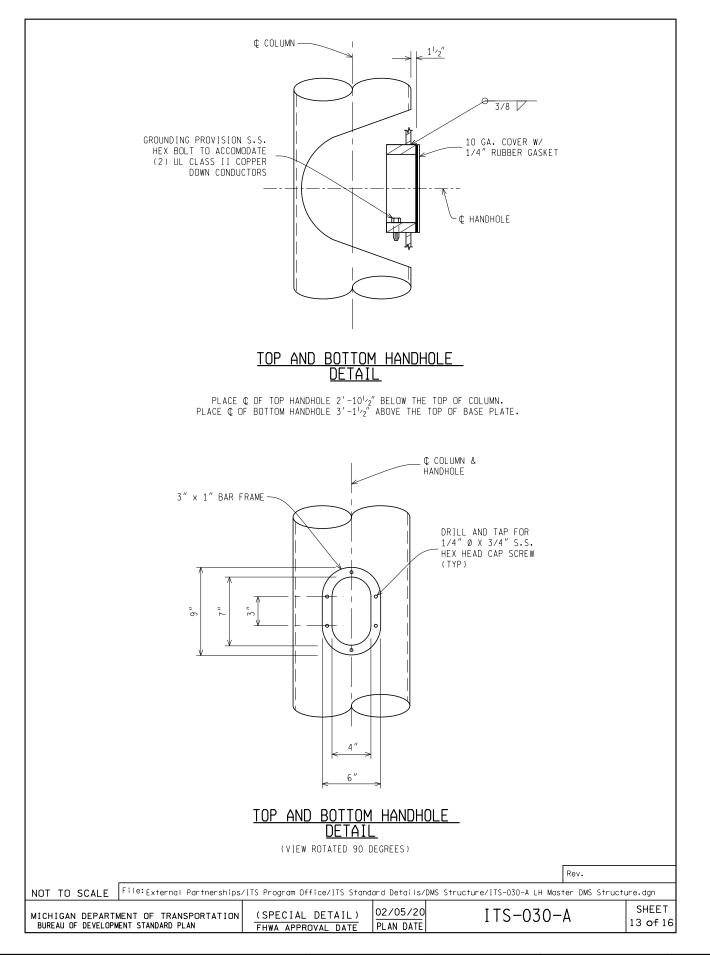
1" STIFFENER P (TYP)-

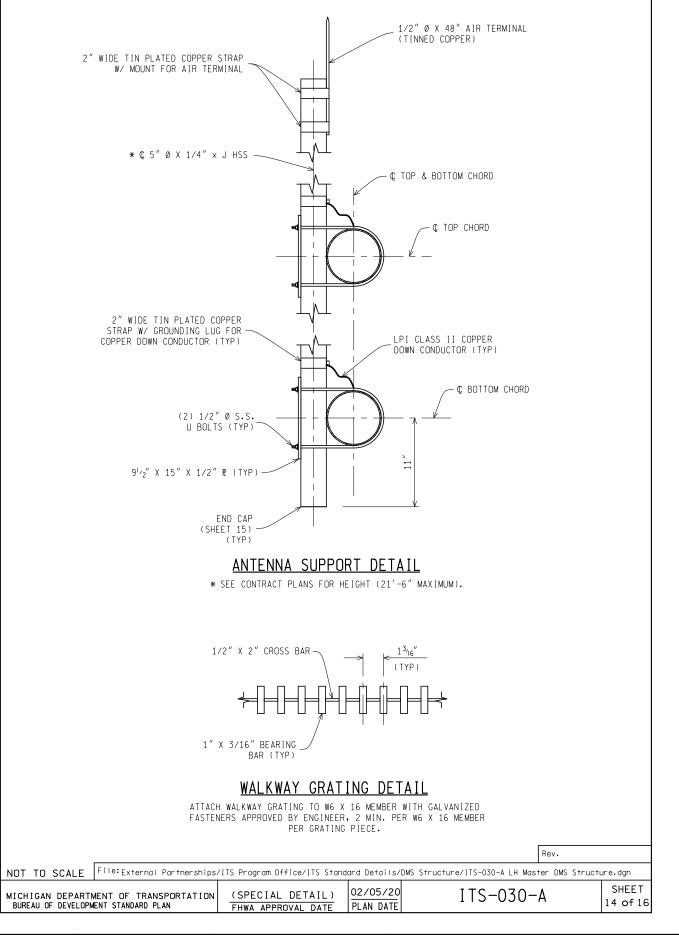
¢ COLUMN, BASE ₽, & CHORDS

24" O.D. COLUMN -

12" Ø CENTER HOLE WITH 2" WIDE BY 18" LONG SLOT — PARALLEL WITH CHORDS





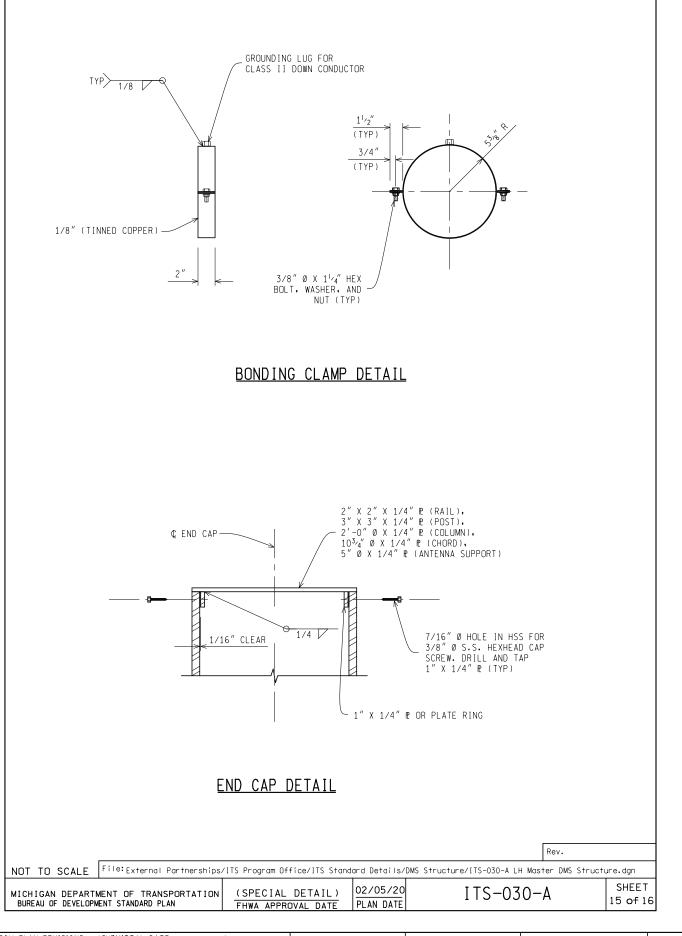


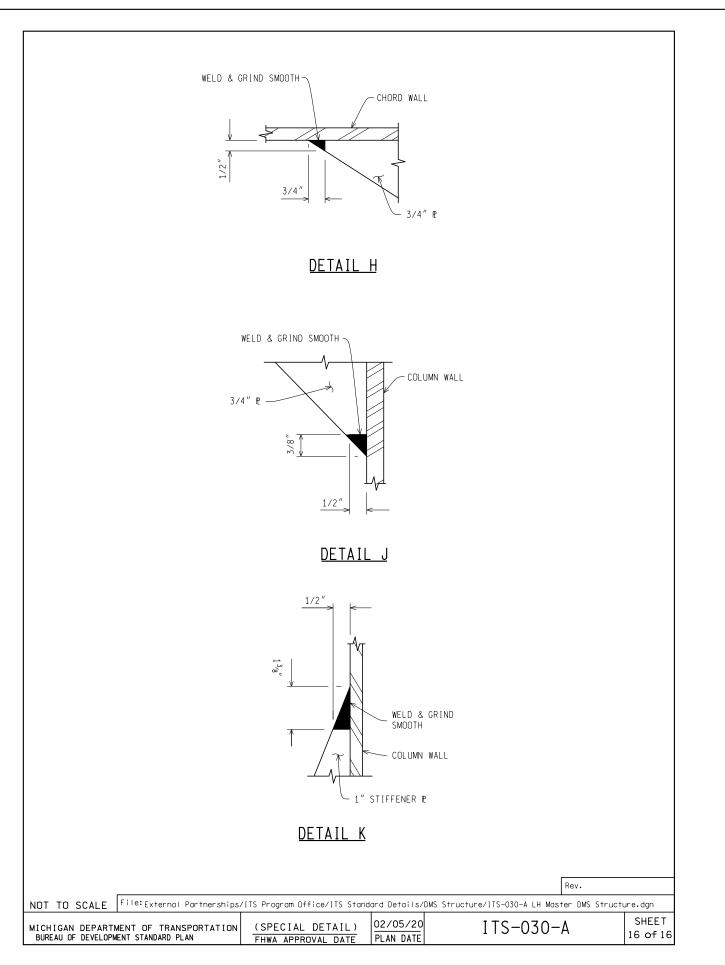
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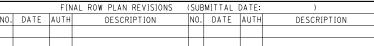
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