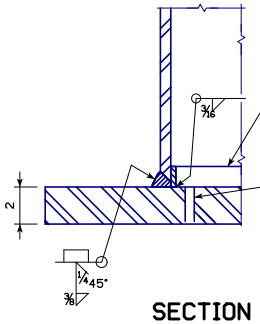
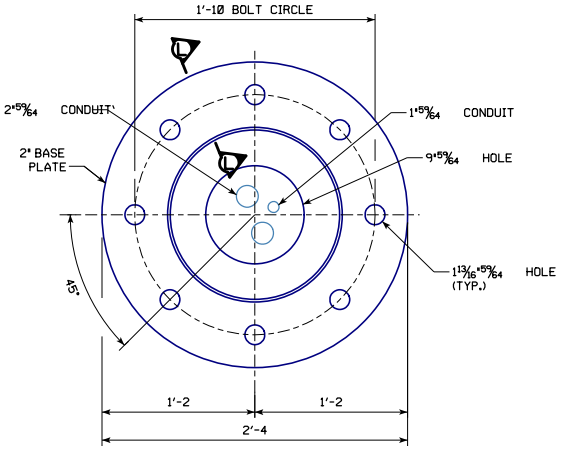
3/4 REVISED 04-2020: CHANGED "GALVANIZING VENT HOLE" TO "GALVANIZING HOLE" IN SECTION J-J TO REFLECT HOLE USE AS A GALVANIZING VENT HOLE AND/OR A GALVANIZING DRAIN HOLE. REVISED SECTION L-L POST-TO-BASE-PLATE WELD SYMBOL TO SHOW A STANDARD-SIZED BACKING ELEMENT. CHANGED "FULL-PENETRATION GROOVE WELD" TO "COMPLETE-JOINT-PENETRATION GROOVE WELD" TO CONFORM TO AWS NOMENCLATURE.
-ROADSIDE\DMSSUPPORT.DGN - RDMS-01-13 - THIS SHEET ISSUED 04-2013.



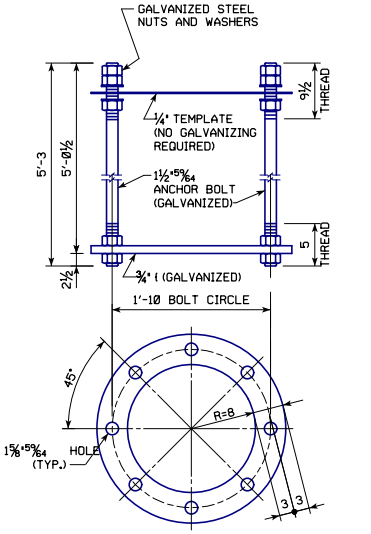
1/4" x 1" BACKING RING IS TO BE CONTINUOUSLY WELDED TO THE BASE PLATE. THE BACKING RING SHALL BE ONE PIECE OR MADE CONTINUOUS BY A COMPLETE-JOINT-PENETRATION GROOVE WELD. SEAL WITH LIGHT GRAY NON-SAG URETHANE CAULK AFTER GALVANIZING.

1"5/64 GALVANIZING HOLE. GALVANIZING HOLES SHALL BE LOCATED IN THE BASE PLATE IF NEEDED. NO HOLE SHALL BE DRILLED THROUGH THE BACKING RING OR HSS POST. NO HOLE IN BASE PLATE SHALL BE CLOSER THAN 3/8" TO FILLET WELD.

SECTION L-L

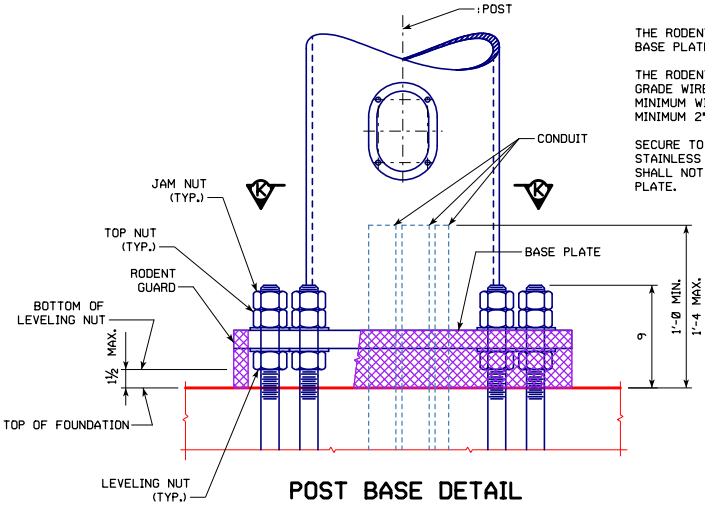


SECTION K-K



ANCHOR BOLT ASSEMBLY

WEIGHT OF ONE ANCHOR BOLT ASSEMBLY: 421 LBS.
(INCLUDES TEMPLATE, EXCLUDES GALVANIZING WEIGHT)



POST BASE DETAIL

SHOWING THE RODENT GUARD

THE RODENT GUARD SHALL BE PLACED AROUND THE BASE PLATE.

THE RODENT GUARD IS STAINLESS STEEL STANDARD GRADE WIRE CLOTH, 1/4" MAXIMUM OPENING WITH A MINIMUM WIRE DIAMETER OF AWG NO. 16 WITH A MINIMUM 2" LAP.

SECURE TO BASE PLATE AFTER ERECTION WITH 3/4" STAINLESS STEEL BANDING. THE RODENT GUARD SHALL NOT EXTEND ABOVE THE TOP OF THE BASE PLATE.

SEE STANDARD SHEET RDMS-05-13 FOR ANCHOR BOLT NOTES.

04-2020
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

IOWADOT Highway Division

STANDARD DESIGN

ROADSIDE DYNAMIC MESSAGE SIGN (DMS) SUPPORT

APRIL, 2013

SUPPORT POST BASE DETAILS | RDMS-04-13