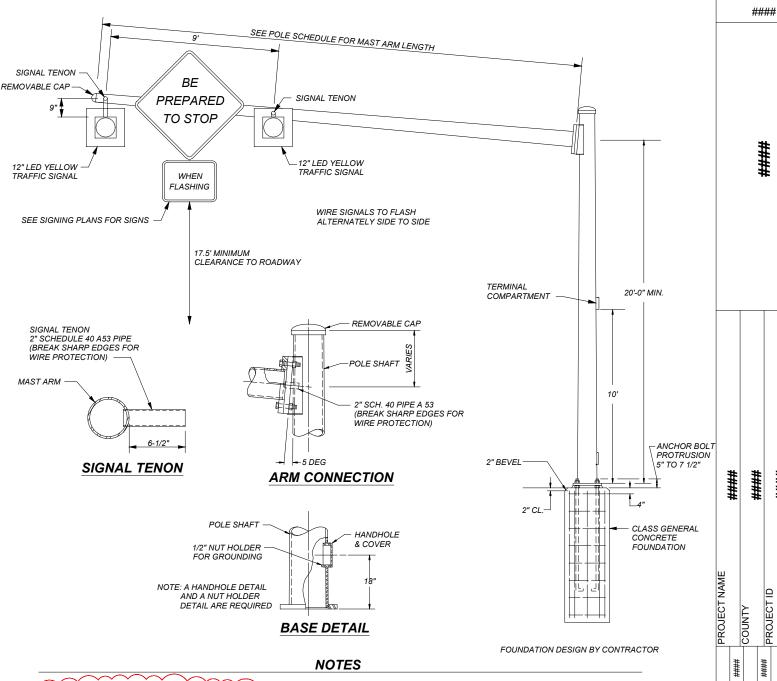


WIRING DIAGRAM

ADVANCE FLASHING BEACON & SIGN MOUNTING DETAIL

NO SCALE



MOUNT ALL SIGNS LEVEL HORIZONTALLY ON THE MASTARM AS SHOWN AND CENTERED OVER THE APPROPRIATE DRIVING LANE. INCLUDE MOUNTING HARDWARE IN THE UNIT BID PRICE FOR SIGNS.

PROVIDE SHOP DRAWINGS ACCORDING TO STANDARD SPECIFICATIONS.

FARRICATE AND INSPECT STRUCTURE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS PER AWS D1.1 AND THE CURRENT AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, INCLUDING THE FATIGUE REQUIREMENTS IN SECTION 11 AND ANY AMENDMENTS THERETO.

UNLESS NOTED OTHERWISE, ALL MAJOR COMPONENT CONNECTIONS ARE TO BE WELDED, BOLTED USING HIGH STRENGTH BOLTS OR A COMBINATION OF BOTH. DO NOT USE TAPPED HOLES FOR STRUCTURAL CONNECTIONS.

ALL TUBE-TO-TRANSVERSE PLATE CONNECTIONS ARE TO BE CJP WELDS PER DETAIL 4.4 IN TABLE 11.9.3.1-1 OF THE SPECIFICATIONS.

UNLESS NOTED OTHERWISE, THE BID ITEM INCLUDES DESIGNING AND FURNISHING THE FOUNDATION AND OBTAINING BORING LOG.

WELDING PROCEDURES, SYMBOLS, BASE METAL SPECIFICATIONS &

MUST BE CALLED OUT PRIOR TO FABRICATION OR APPROVAL

GALVANIZE POLES AND ARMS TO ASTM DESIGNATION: A123

GALVANIZE ACCESSORIES TO ASTM DESIGNATION: A153.

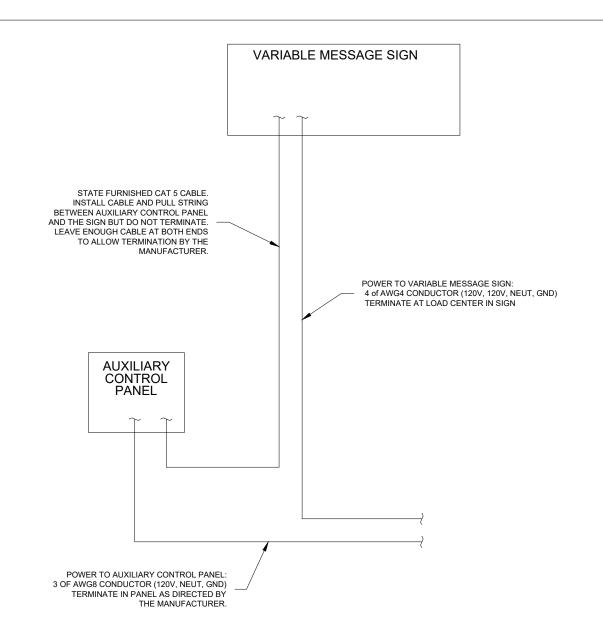
ADVANCE FLASHING BEACON & SIGN MOUNTING DETAIL

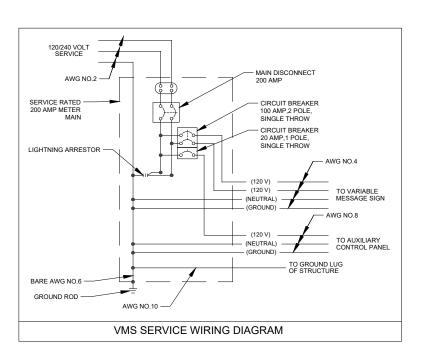
NO SCALE



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SHEET NO.





MOUNT ALL SIGNS LEVEL HORIZONTALLY ON THE SIGN STRUCTURE

INCLUDE MOUNTING HARDWARE IN THE BID PRICE FOR SIGN STRUCTURES. THIS INCLUDES CONDUIT FOR INSTALLATION OF WIRING BETWEEN STRUCTURES AND SIGNS.

DESIGN SIGN STRUCTURE IN ACCORDANCE WITH THE CURRENT AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS AND ANY AMENDMENTS THERETO.

DESIGN WIND VELOCITY = 130 MPH + 30% GUST LOADING.

DESIGN AREA = AREA WITH RESPECT TO MAX. WIND LOAD.

DESIGN WEIGHT OF VMS SIGN: DEAD WT = 5000 lb. LIVE LOAD = 1000 lb.

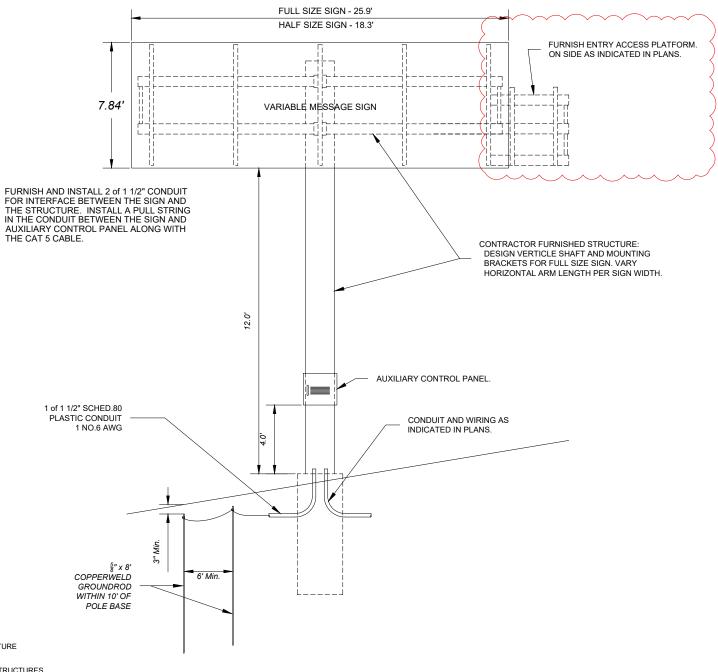
PROVIDE ANCHOR RODS CONFORMING TO ASTM F1554 OR EQUAL, THREAD AND GALVANIZE THE TOP END 12 INCHES MIN.

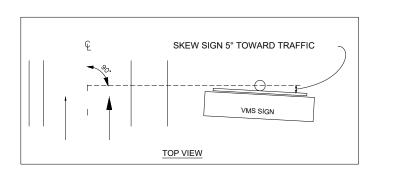
WELDING PROCEDURES, SYMBOLS, BASE METAL SPECIFICATIONS & GRADES MUST BE CALLED OUT PRIOR TO FABRICATION OR APPROVAL.

GALVANIZE POLES AND ARMS TO ASTM DESIGNATION: A123.

GALVANIZE ACCESSORIES TO ASTM DESIGNATION : A153.

CONTRACTOR TO DETERMINE FOUNDATION SIZE BASED ON R/W RESTRICTIONS, DESIGN LOADS AND SOILS DATA.





VMS STRUCTURES

SHEET NO. ####

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PROJECT COUNTY

PROJECT NAME

DESIGNED BY

REVIEWED BY

MONTANA Department of Transk

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