
2. DESIGN DATA: Loading: Walkway Live Load = 80 pounds per square foot.

3. MATERIALS: Structural Steel ASTM A36 minimum yield strength (f y ) = 36,000 pounds per square inch. Welding Electrode Grade and Welding Process AWS D1.1 or AWS Structural Steel Welding Code. Main Connections: Bolts ASTM A325 Other Bolts As Noted. Steel shall be galvanized to conform to ASTM A123 after cutting, bending and welding. Bolts, nuts, washers and similar threaded fasteners shall be galvanized as per ASTM A153. These items may be mechanically zinc coated in accordance to ASTM B659 Class 50.

4. WORK DESCRIPTION: The work shall consist of the fabrication and installation of a hung catwalk structure. The host structure will be the Steel Pedestal Overhead Sign Support TC-(Modified). The Contractor shall prepare full catwalk structure construction drawings to fit the span requirements by the Project Plan of the site of interest. The Construction Drawings shall be based on the Plan, Details and Materials described. The Contractor shall determine the exact placement of the sign on the sign support pedestal to calculate the length of catwalk required. If the wearing surface of the proposed catwalk is not at the same level as the bearing deck of the sign, steps shall be provided. The Contractor shall determine the width of treads and height of risers to ensure that the sign enclosure door will open out. A landing area shall be provided to allow total opening of the door.

5. Shop drawings shall be submitted to the Engineer 10 days before fabrication.

6. Payment for materials and installation of catwalk and ladder is incidental to sign pedestal.

7. 18 ga. steel walkway shall be clipped to top flange of the sign housing. Additional natural wind gues load should not exceed 45 pounds.

8. The end beam is optional but preferred. The beam should go across the end of the catwalk and attach to the Sign. Contact the DMS manufacturer for permission and attachment method and location. The total vertical load should not exceed 525 pounds. The additional wind load should not exceed 220 pounds. The total vertical load should not exceed 525 pounds. The additional wind load should not exceed 220 pounds.

9. Grating support rail shall be bolted (2 places) to the DMS. Contact the DMS manufacturer for additional natural wind gues load should not exceed 45 pounds.

10. The width of the catwalk of the door of the DMS enclosure can vary with the DMS size. It should be wide enough to open the access door outward ninety degrees from the sign housing.

11. See Standard Construction Drawings for pull box, conduit, and cabinet details.
1. Saddle bars shown on details shall be bent hot.
2. Isolate aluminum from galvanized steel and use SS bolts/nuts at aluminum/steel connections.
3. Contact between aluminum and galvanized parts shall be prevented with a 1/8" minimum chlor-prene gasket or approved substitute.
4. U-bolts shall be galvanized steel.