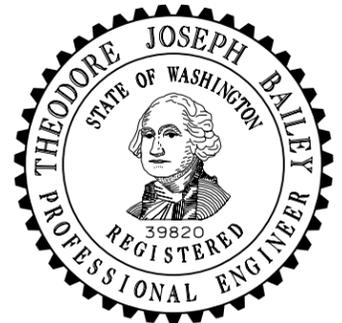


DRAWN BY: FERN LIDDELL

NOTES

1. Typical view shown. Verify power source location, quantities, location of signs, and sign structure fixtures in Contract Plans.
2. Route IMSA 20-1 3C #14 cable(s) from isolation switch along inside bottom of the Monotube Mast Arm to the liquidtight conduit connector(s) at hand hole(s).
3. Route separate IMSA 20-1 3C #14 cable from load side of terminal strip to each additional light fixture (where applicable) and provide sufficient slack wire per **Standard Specification 8-20.3(8)**.
4. Label all conductors with sign light and circuit number at isolation switch, hand hole(s), and ballast enclosure(s). Labels shall be a PVC or Polyolefin wire marking sleeve per **Standard Specification 9-29**.
5. Install quick-disconnect fuse kits between the power supply wires and the pole and bracket cable per **Standard Specification 9-29.7**. Pull down tight to conduit. (Disconnects left up for clarity). Fuse size shall be 200% larger than load size.
6. The conductors in the IMSA 20-1 3C #14 cable shall be black, red, and white. The white conductor shall be permanently identified as an equipment grounding conductor per the NEC.
7. All RMC conduits embedded in foundation shall be terminated with Grounding End Bushing and bonded to the Foundation Grounding Bus. All PVC conduits embedded in foundations shall be terminated with End Bell Bushing.
8. Hand holes shall be installed at the time of fabrication. Only additional conduits for lighting accommodations to previously non-illuminated structures may be installed in field as long as the proper repairs are made to the structure. For hand hole details, see **Standard Plan J-75.41**.
9. For details not shown, see **Standard Plan G-90.40**.
10. All holes shall be drilled and tapped.
11. Use the Retrofit Details only when the following conditions apply:
 - A. Existing W4 x 13 Luminaire Brackets are to be reused for a new Sign-Lighting Luminaire.
 - B. The span between the existing Luminaire Brackets is too wide to attach a new Sign-Lighting Luminaire and Luminaire Mounting Plate.
12. If the sign structure includes a maintenance walkway, the Luminaire Mounting Plate shall be bolted to the walkway grating.



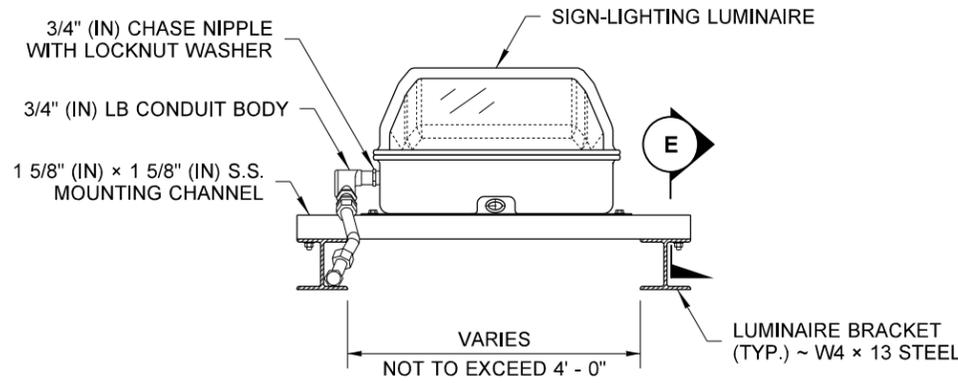
**OVERHEAD SIGN
ELECTRICAL DETAILS
(MONOTUBE STRUCTURE)
STANDARD PLAN J-75.40-02**

SHEET 1 OF 2 SHEETS
APPROVED FOR PUBLICATION

STATE DESIGN ENGINEER
 Washington State Department of Transportation

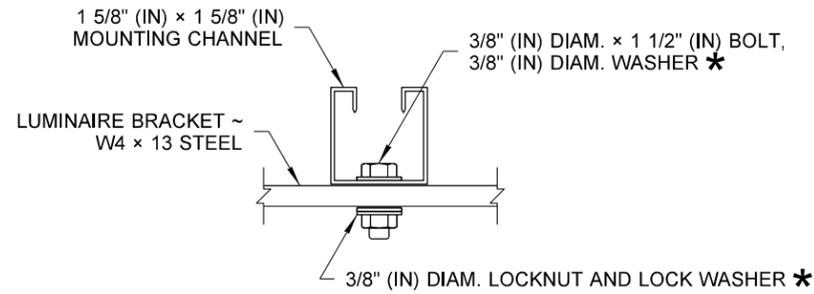
MONOTUBE SIGN STRUCTURE
(SEE CONTRACT FOR ORIENTATION OF SIGN STRUCTURE)

DRAWN BY: FERN LIDDELL



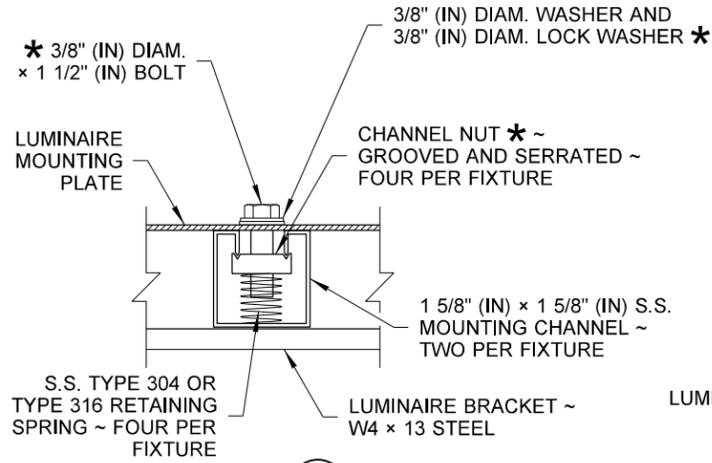
SECTION D

SIGN-LIGHTING FIXTURE WITH RETROFIT

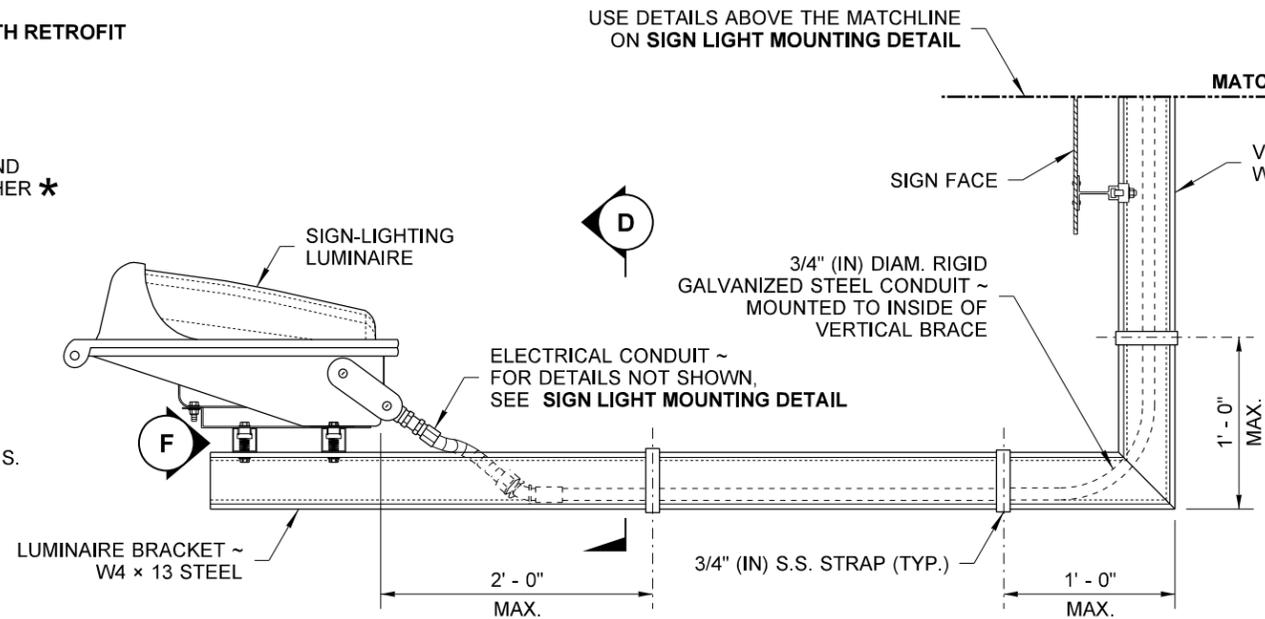


SECTION E

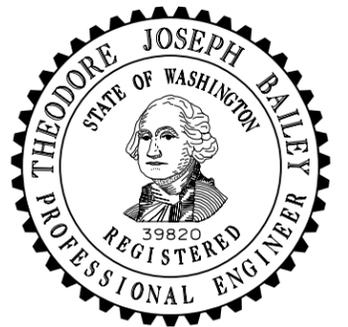
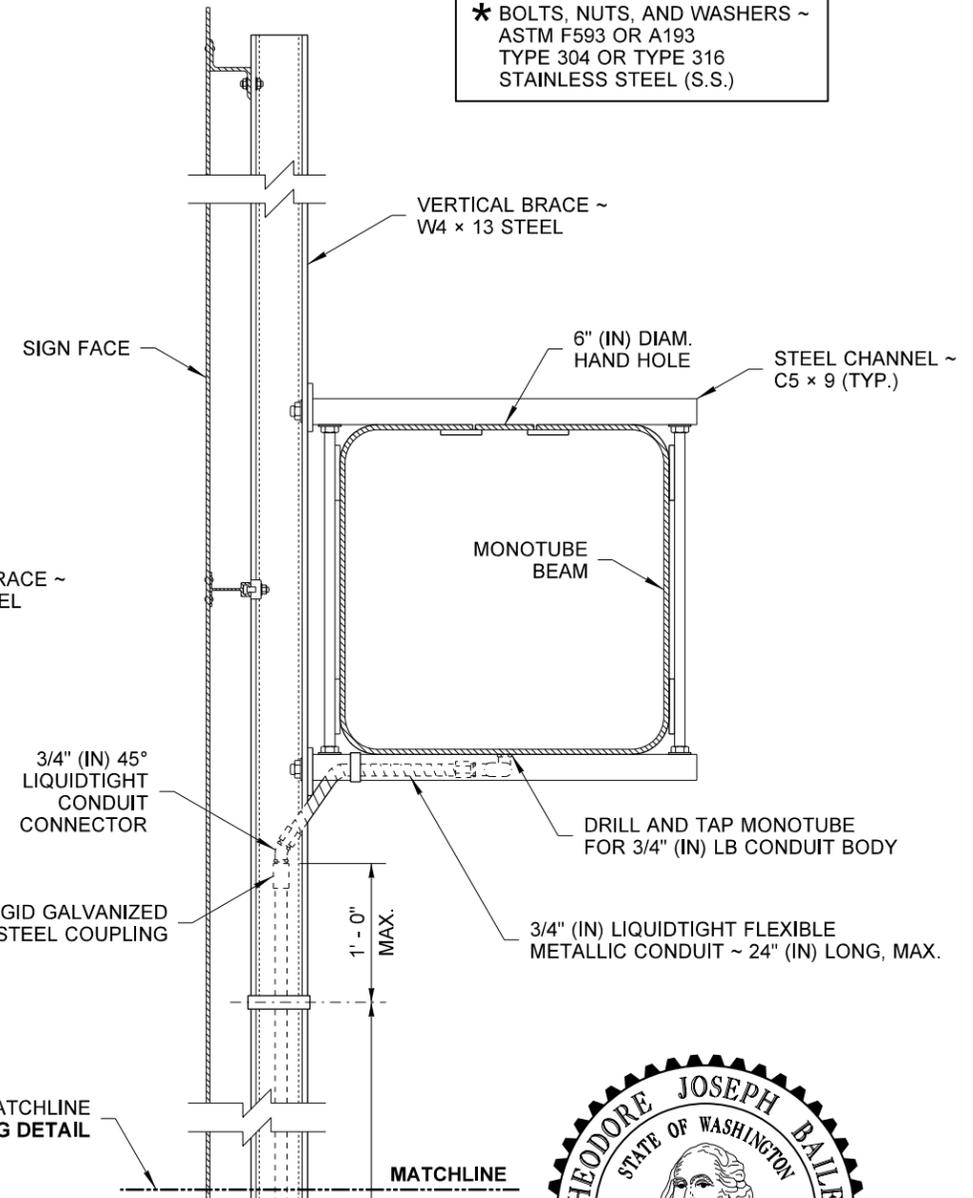
★ BOLTS, NUTS, AND WASHERS ~
 ASTM F593 OR A193
 TYPE 304 OR TYPE 316
 STAINLESS STEEL (S.S.)



DETAIL F



RETROFIT MOUNTING DETAIL

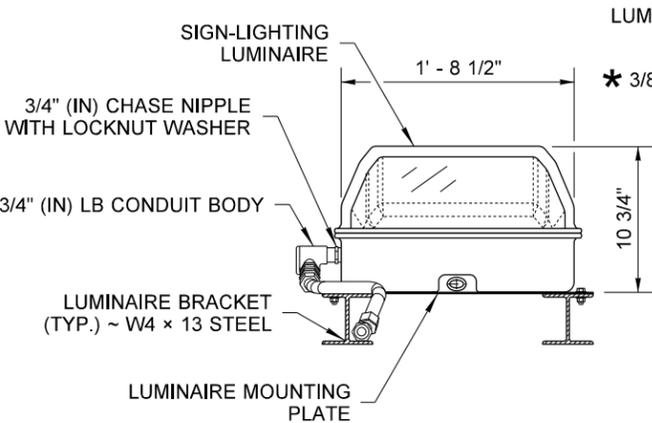


**OVERHEAD SIGN
 ELECTRICAL DETAILS
 (MONOTUBE STRUCTURE)
 STANDARD PLAN J-75.40-02**

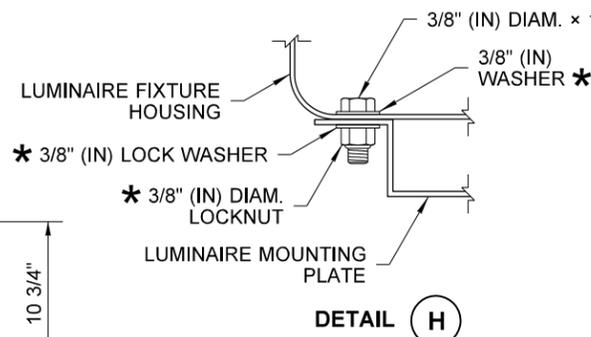
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

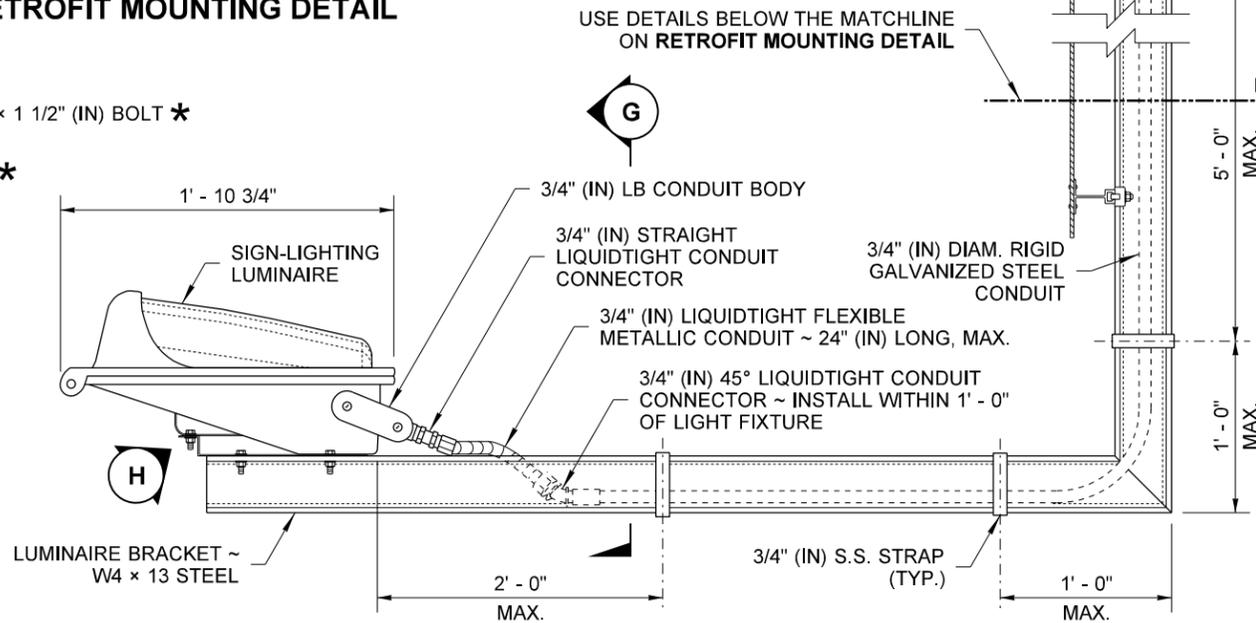
STATE DESIGN ENGINEER
 Washington State Department of Transportation



SECTION G



DETAIL H



SIGN LIGHT MOUNTING DETAIL