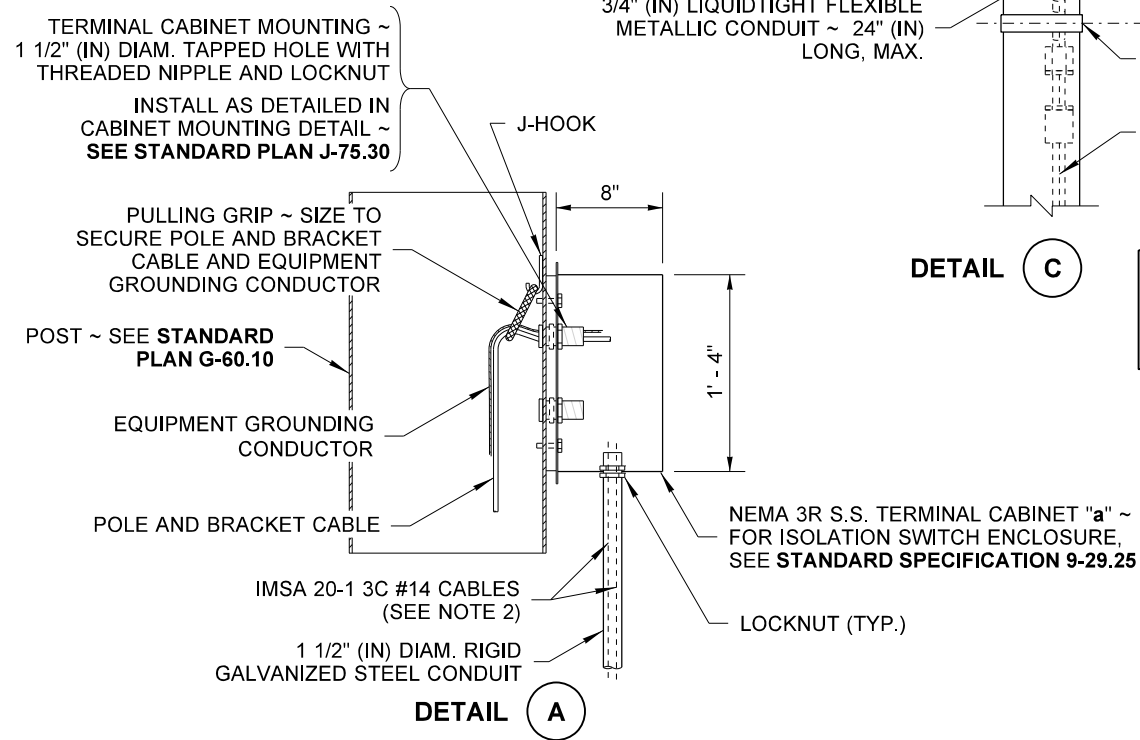


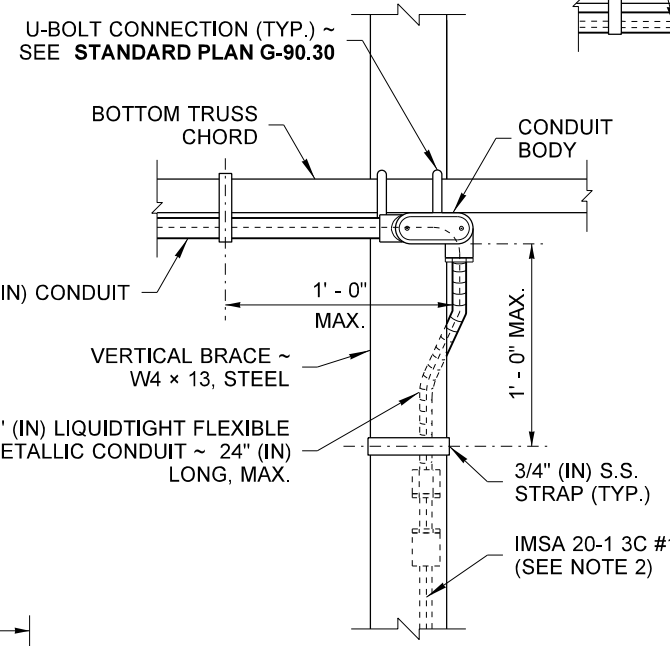
NOTES

1. Typical view shown. Verify power source location, quantities, and location of signs and sign structure fixtures in Contract Plans.
2. Route separate IMSA 20-1 3C #14 cables from load side of terminal strip to each additional Sign-Lighting Luminaire (where applicable) and provide sufficient slack wire per **Standard Specification 8-20.3(8)**.
3. Label all conductors with sign light and circuit number at isolation switch, hand hole, and ballast enclosure. Label shall be a PVC or Polyolefin wire marking sleeve per **Standard Specification 9-29**.
4. Install quick-disconnect fuse kits between the power supply wires and pole and bracket cable per **Standard Specification 9-29.7**. Pull down tight to conduit. Fuse size shall be 200% larger than load size. (Disconnects shown left up for clarity.)
5. 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.
6. All RMC conduits embedded in foundation shall be terminated with grounding end bushing and bonded to the ground terminal in the base of pole. All PVC conduits embedded in foundations shall be terminated with end bell bushing. See **Standard Plan J-10.10 note 3**
7. Hand holes shall be installed at the time of fabrication. Hand Hole may be installed in field only when additional conduits for lighting accommodations to previously non-illuminated structures is needed, and as long as the proper repairs are made to structure. Contact **Bridge and Structures** office through PE for installation/repair procedures.
8. For details not shown, see **Standard Plan G-90.40**.
9. All holes shall be drilled and tapped.
10. Use the Retrofit details only when the following conditions apply:
 - A. Existing W4 x 13 Steel Beam sign brackets are to be reused for a new Sign-Lighting Luminaire.
 - B. The span between the existing Luminaire Brackets is too wide to attach the new Sign-Lighting Luminaire and Luminaire Mounting Plate.
11. If the sign structure includes a maintenance walkway, the Luminaire Mounting Plate shall be bolted to the walkway grating.

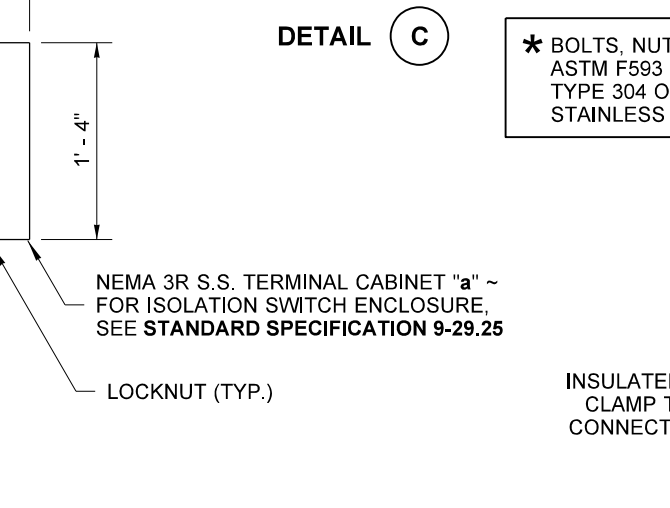
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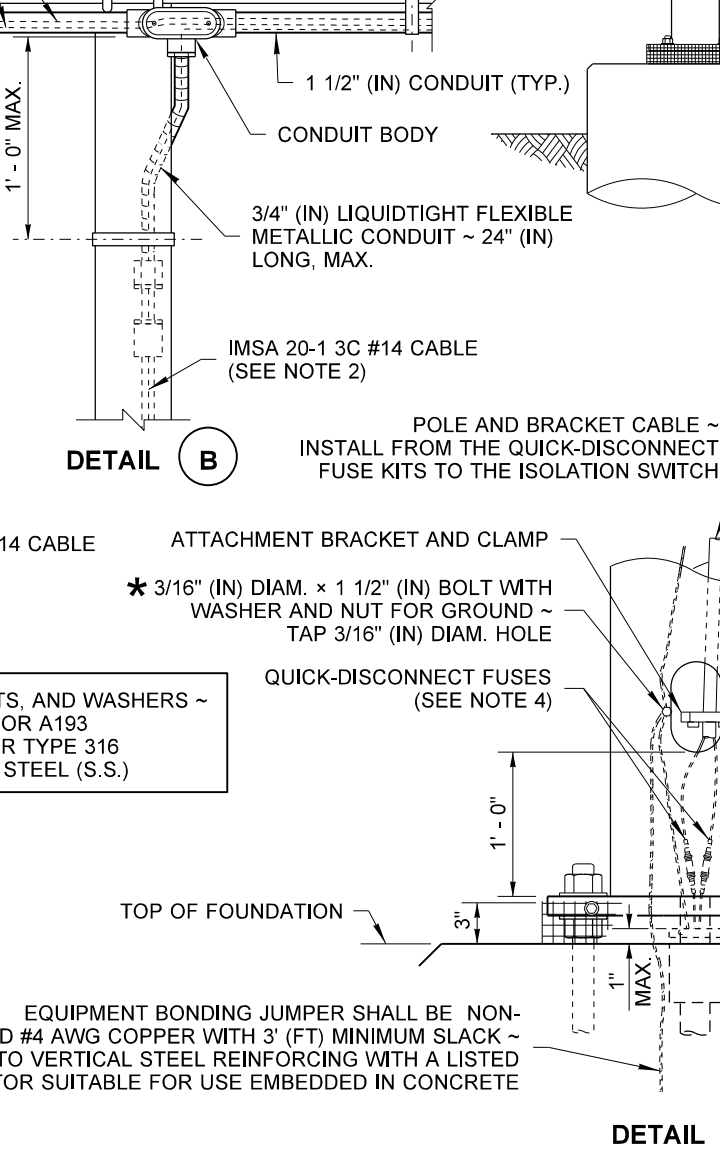
DETAIL A



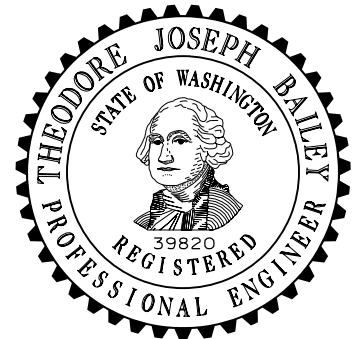
DETAIL B



DETAIL C



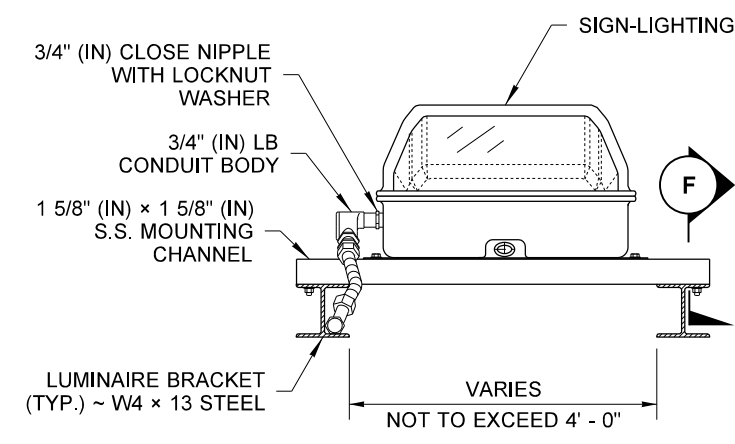
DETAIL D



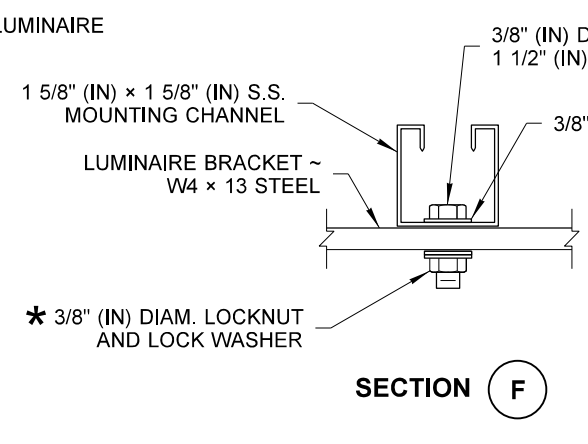
OVERHEAD SIGN ELECTRICAL DETAILS (TRUSS STRUCTURE) STANDARD PLAN J-75.45-02

SHEET 1 OF 2 SHEETS

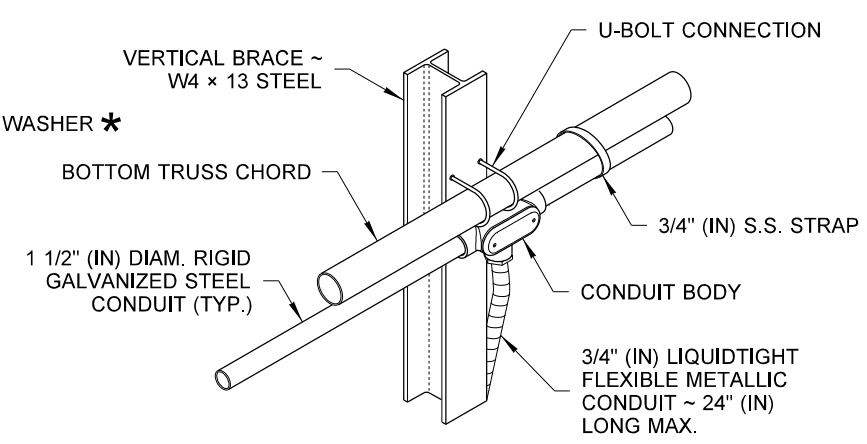
APPROVED FOR PUBLICATION



SECTION E



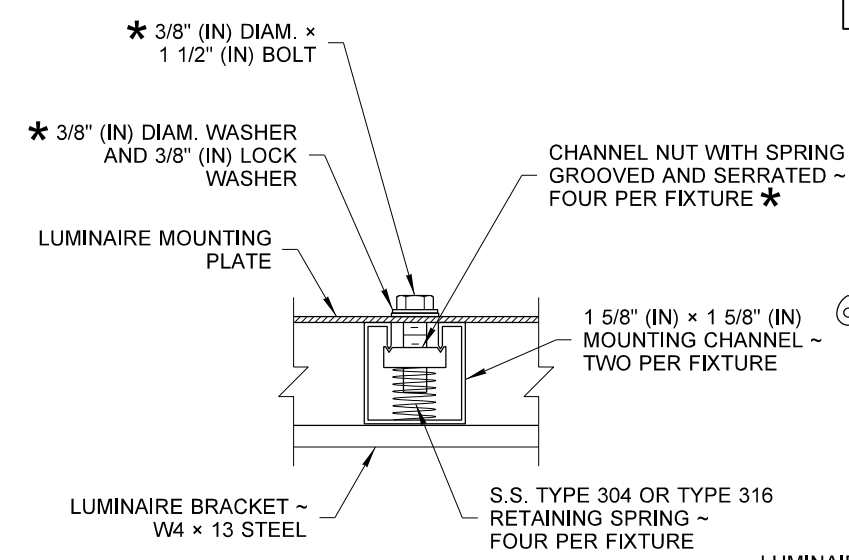
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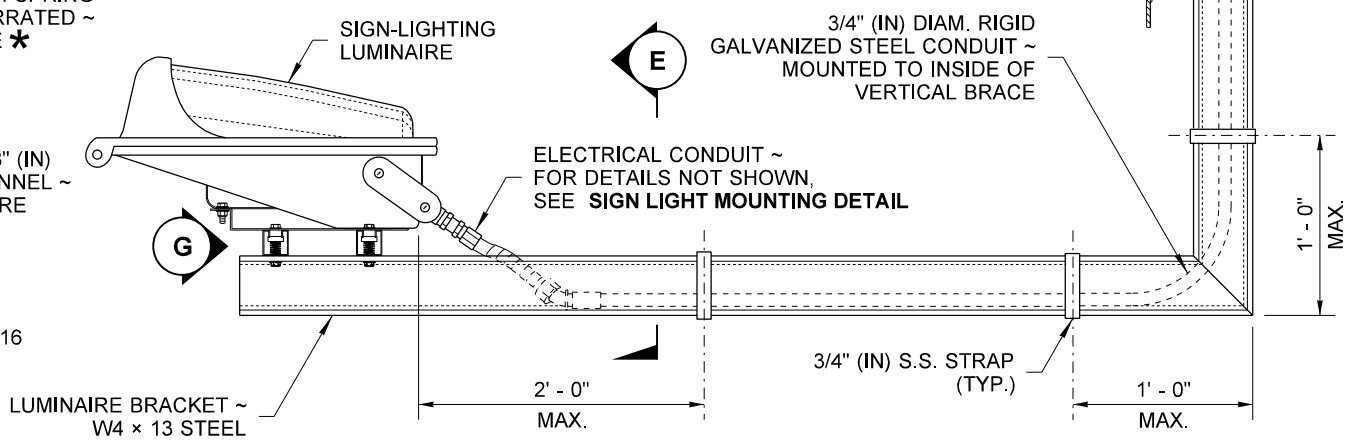
DETAIL J

SIGN-LIGHTING FIXTURE WITH RETROFIT

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



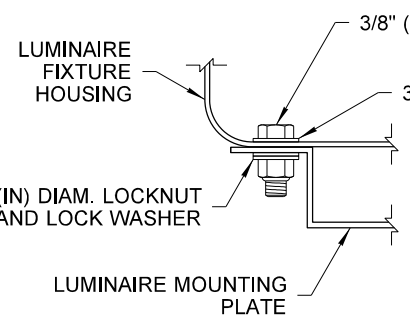
DETAIL G



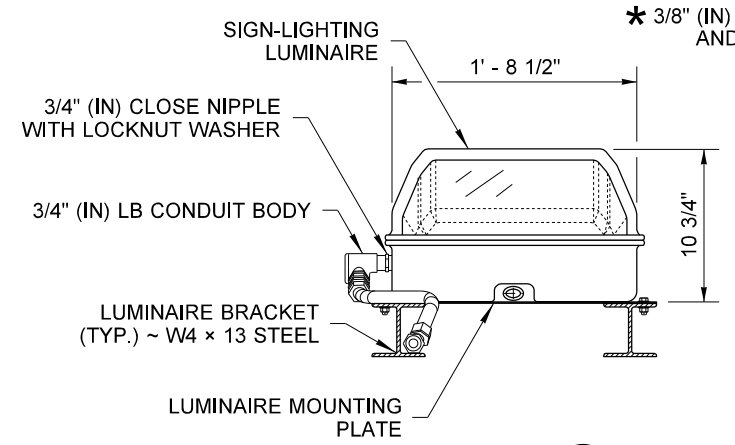
RETROFIT MOUNTING DETAIL

USE DETAILS BELOW THE MATCHLINE ON RETROFIT MOUNTING DETAIL

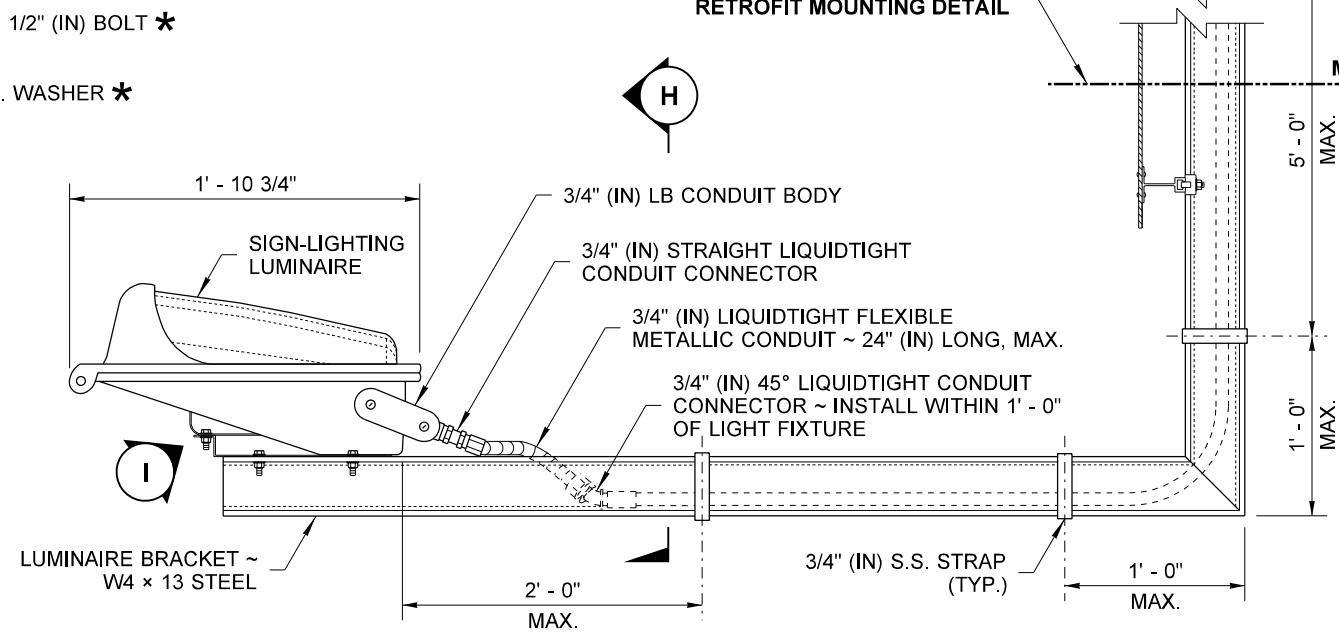
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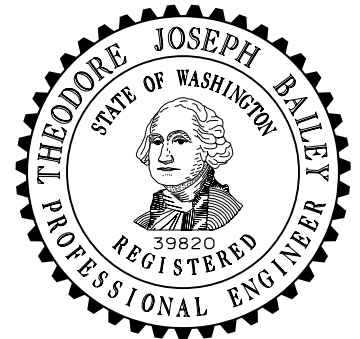
DETAIL I



SECTION H



SIGN LIGHT MOUNTING DETAIL



OVERHEAD SIGN ELECTRICAL DETAILS (TRUSS STRUCTURE) STANDARD PLAN J-75.45-02

SHEET 2 OF 2 SHEETS
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