



MPMS Service Note 1090-201

Installing the RSO Grounding Strap for MPMS-XL Cabinets

MPMS-XL systems require the addition of the RSO Grounding Strap to ensure low-noise performance of the RSO Option.

Make sure you received these parts with this service note:

- One 40" cable assembly (3048-103)
- Two 8-32 x 3/8 screws (ZS-8CSM.38PP)
- Two 8-32 nuts (ZS-8CNH)
- Two #8 star washers (ZS-8-WE)

You will need a flat-head screwdriver.

Installing the RSO Grounding Strap

1. Refer to **Figure 1. Ground Cable Installation Drawing**, which has three images of the MPMS-XL cabinet:
 - The Top View points out Detail A.
 - The close-up of Detail A depicts how to attach the grounding cable using the screw, nut, and star washer.
 - The Rear View shows the rear upper left corner of the Top Drawer (top left corner of the drawing) and the rear upper left corner of the Bottom Drawer (lower left corner of the drawing).
2. Attach the grounding cable to the oblong hole in the rear upper left corner of the Top Drawer. Refer to the top left corner of the Rear View drawing for location and the close-up of Detail A for attachment.
3. Route the grounding cable through the opening in the piping bracket (4048-125). Refer to the top right corner of the Rear View drawing, then the Top View's Detail A for exact placement.
4. Attach the grounding cable to the oblong hole in the rear upper left corner of the Bottom Drawer. Refer to the lower left corner of the Rear View drawing for location and the close-up of Detail A for attachment.

GROUND CABLE INSTALLATION DRAWING

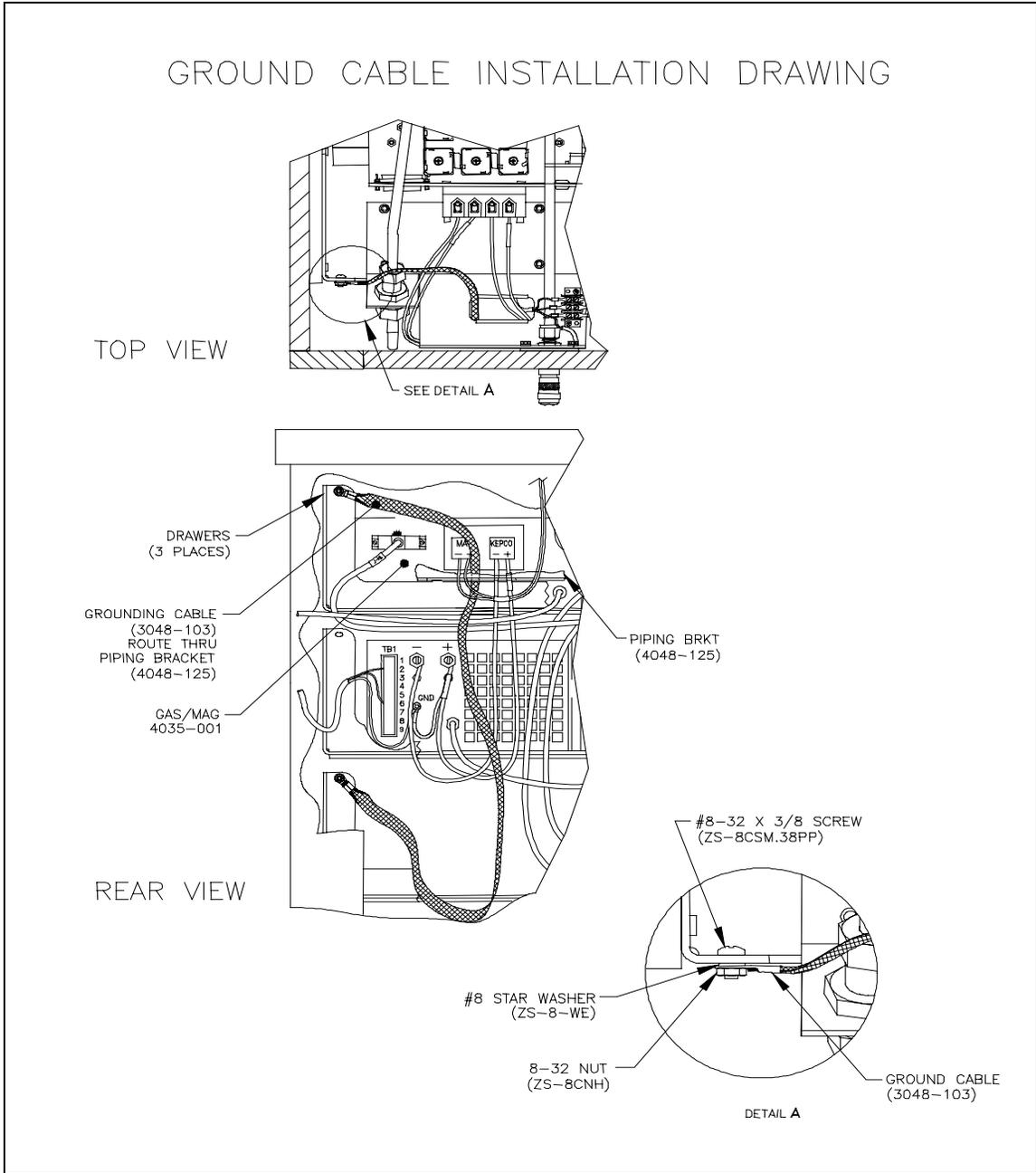


Figure 1. Ground Cable Installation Drawing

Please contact your Quantum Design Representative if you have any problems or questions about installing the RSO Grounding Strap on the MPMS-XL Cabinet.