

Penetration detailing relies on the MEP installer's installation of materials and timing; and therefore, the AVB Contractor's must work with the MEP trades early, discussing the penetration requirements ahead of time.



When the project has lightning protection or an exterior grounding wire, the braided wire will likely go through the AVB (or waterproofing).

Braided wires cannot be sealed...unless the wire is made solid. Discuss with the lightning protection and electrical contractor to coordinate a solid section via soldering, installing a solid section of material, or something similar.

Also – make sure that the braided wire is rigidly supported on the interior side.



The electrical contractor installed a flex conduit out of the wall, penetrating the AVB. Flex conduit cannot be properly sealed. Rigid conduit or “Liquid Tight” conduit should be installed (*check the compatibility of the AVB with the “Liquid Tight” conduit*) when penetrating the AVB or waterproofing.

Also – make sure that the conduit is rigidly supported on the interior side.



Lack of proper coordination

Installing conduit right up against the CMU and directly on the plumbing drain. The correction required the removal and relocation of the conduit for the AVB installation – an extra expense.

The conduit was corrected by installing the conduit off the wall such that the AVB could be installed behind the conduit and the conduit was able to be properly sealed at the wall exit point, and the conduit was installed above the plumbing drain.