# UNIRAC TECHNICAL BULLETIN

**Bulletin Number**: TB-120320-1319-0

**Theme:** SunFrame/Module Grounding Hole Interference

**Background:** Occurrences have been reported where the grounding hole on the underside of some solar module frames may be covered by the flange on SunFrame rail. This is due to how modules are mounted with SunFrame rail by resting the module frames on the horizontal flanges. The location of the grounding holes can vary from module to module so this may not need to be addressed for all modules. A field modification guideline has been requested.

**Description:** To address applications where there is interference between the SunFrame flange and module grounding hole location(s), it is recommended that a slot measuring ¾" wide and ½" inboard (Detail A) be cut at each interference location as necessary. The bonding lug can then be fastened directly to the solar module without interference from the SunFrame rail flange.

In addition to electrical bonding of the modules, many inspection guidelines will also require bonding of the solar mounting rails. This can be done by drilling a ¼" diameter hole through the SunFrame flange at the end of the rail. The lug can then be fastened directly to the rail as indicated in (Detail D).