

## PRE-INSTALLATION

- Verify module compatibility.

## TOOLS REQUIRED

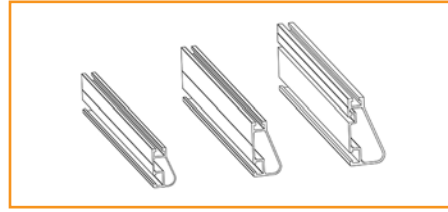
- Cordless Drill (non-impact)
- Impact Driver (for lag bolts)
- Torque Wrench (0-250 in-lbs)
- 5/16" Socket
- 7/16" Socket
- 9/16" Socket (deep)
- String Line

## TORQUE VALUES

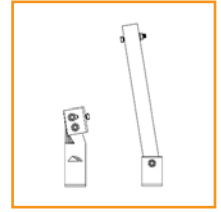
- Tilt Leg Nuts (9/16" Socket): 250 in-lbs
- Bonded Splice Screws (5/16" Socket): 20 in-lbs
- Rail Grounding Lug Nut (7/16" Socket): 80 in-lbs
- Rail Grounding Lug Nut (7/16" Socket): 80 in-lbs
  - Rail Grounding Lug Terminal Screws (7/16" Socket): 20 in-lbs
- Module Grounding Lug Nut (3/8" Socket): 60 in-lbs
  - Module Grounding Lug Terminal Screws (1/2" Socket): 20 in-lbs
- Universal Fastening Objects (7/16" Socket): 80 in-lbs
- Expansion Joint Nuts (7/16"): 80 in-lbs
- Microinverter Kit Nuts (7/16" Socket): 80 in-lbs
- Frameless Module Kit Nuts (7/16" Socket): 80 in-lbs

➤ If using previous version of: Integrated Grounding Mid Clamps, Grounding Lug, End Clamps, and Expansion Joints please refer to Alternate Components Addendum (Version 1.7).

## IRONRIDGE COMPONENTS



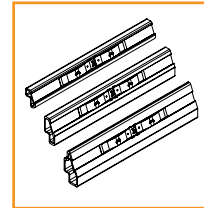
XR Rail



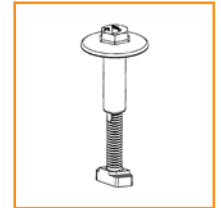
Tilt Leg Kit



Bonded Splice



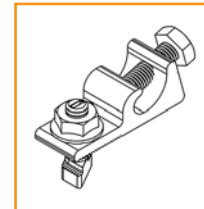
BOSS



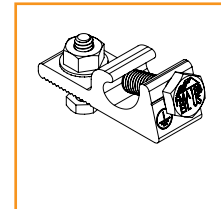
UFO



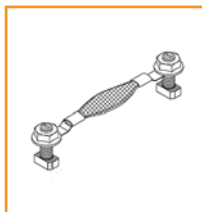
CAMO



Rail Grounding Lug



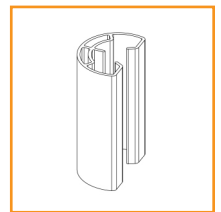
Module Grounding Lug



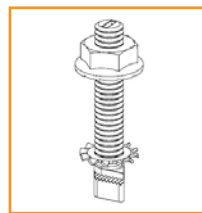
Expansion Joint



End Cap



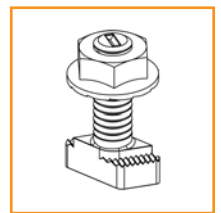
Stopper Sleeve



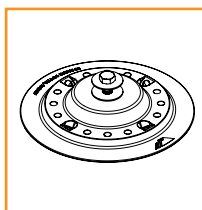
Frameless Module Kit



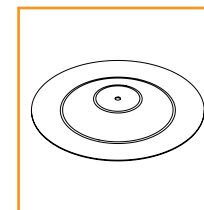
Frameless End/Mid Clamp



Microinverter Kit



Flat Roof Attachment



Membrane Flashing



Wire Clip