

# MINIMUM REQUIREMENT



## WP/SEA MINIMUM REQUIREMENTS Installing Solar Panels



### MEMORY JOGGERS

Ensure that the following conditions are met before proceeding. If not met, address on WP/SEA.

- Communicate the **“RIGHT TO STOP WORK AUTHORITY POLICY”** and is exercised by all crewmembers and other personnel that believe something or some condition has changed. The job is to be stopped and accessed before proceeding. The WP/SEA may need to be modified or a new WP/SEA maybe required before starting the work task again.
- Improper lifting techniques causing damage to panel or injury to body.
- Batteries not put in series correctly.
- Hand injuries due to improper hand placement.
- Chemical burns from batteries.
- Use face shield rubber gloves and apron if acid batteries are used.

### MINIMUM REQUIREMENTS

- 1) Verify **All** conditions identified in the “Memory Joggers” section are met (or are not applicable); if **ANY** are not met, **STOP** and add the necessary step to the WP/SEA to ensure the safest method possible.
- 2) Review job with crew and include on WP/SEA
- 3) Ensure proper eye and hand protection prior to beginning work
- 4) Route extension cords out of path of work area. Make sure to use GFCI’s with all electrical tools.
- 5) Perform gas detection if needed.
- 6) Drill and bolt angle to solar panels.
- 7) Bolt panels to solar frame
- 8) Identify polarity on panels before hooking to batteries.
- 9) Hook wire to batteries
- 10) Make sure to secure lids to battery box when working on batteries
- 11) Use manufacture recommended lifting techniques to prevent damage to panel or injury to body.
- 12) Use insulated tools to prevent incidental arcing.
- 13) Ensure all connections are correct before panels are put into service.
- 14) Ensure left over batteries are stored in battery box to be shipped
- 15) Return all unused hardware and or tools to proper storage.
- 16) Roll up all cords and return them to storage area.
- 17) Clean up work area and dispose in proper bins.

**ENSURE MINIMUM REQUIREMENTS NUMBERS ARE RECORDED ON WP/SEA**