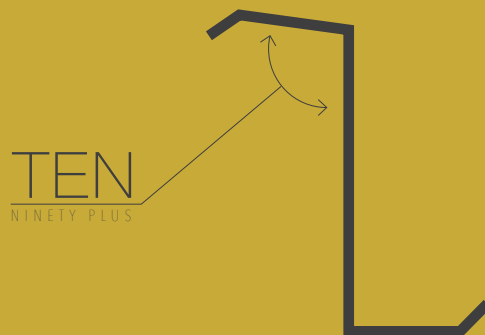




SWIF *TEN* RACKING SYSTEM QUALITY ASSURANCE INSPECTION CHECKLIST



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QUALITY ASSURANCE INSPECTION CHECKLIST

Verify that all required permits are present and that the installed array configurations match the AHJ approved plans.

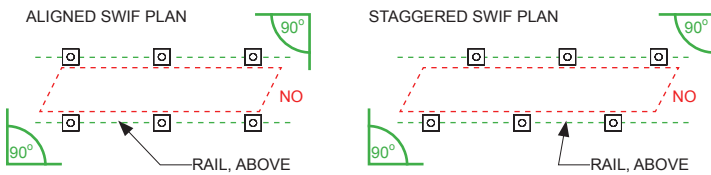
*Consult the Engineer of Record to address non-standard conditions.

SWIF Inspection:

- Are the SWIFs located according to the AHJ approved plan?
- Are the correct SWIF quantities, types and sizes installed?
- Are the SWIFs in each Array Plan square for the purpose of squaring the RAILS above them? *See Diagram A.*
- Are the SWIFs attached to the building structure in the method specified in the AHJ approved plan?
- Are the SWIF legs plumb and true along the length of each RAIL? *See Diagram B.*
- Are the SWIFs level along the line of each RAIL and parallel to each other in elevation? *See Diagram C.*
Alternatively, Arrays can be aligned to the plane of the roof (maximum 1.5° slope).
- Are the SWIFs at a 10° slope between RAILS A & B or RAILS A, C & B? *See Diagram C.*
- Are the SWIF roof penetrations properly flashed and sealed per the roofing product manufacturer's specification?
- Are SWIFs trimmed level with uniform, level and square cuts?
- Are the SWIF caps caulked and flush to the top of the SWIF pipe leg?

DIAGRAM A

SINGLE PANEL ARRAY PLANS



TWO PANEL SHARED RAIL ARRAY PLANS

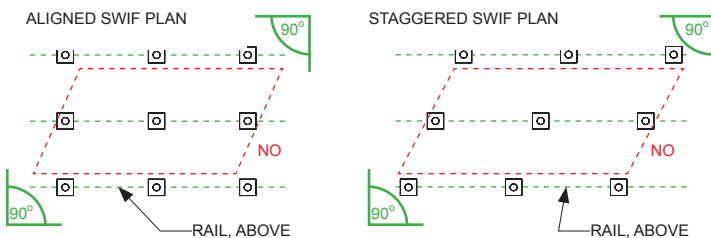


DIAGRAM C

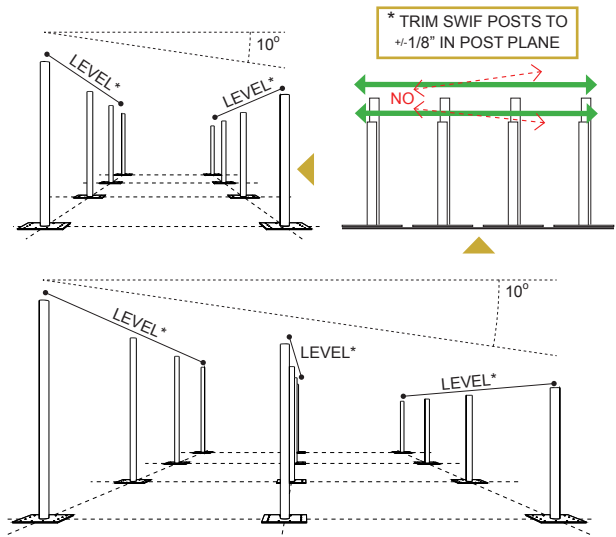
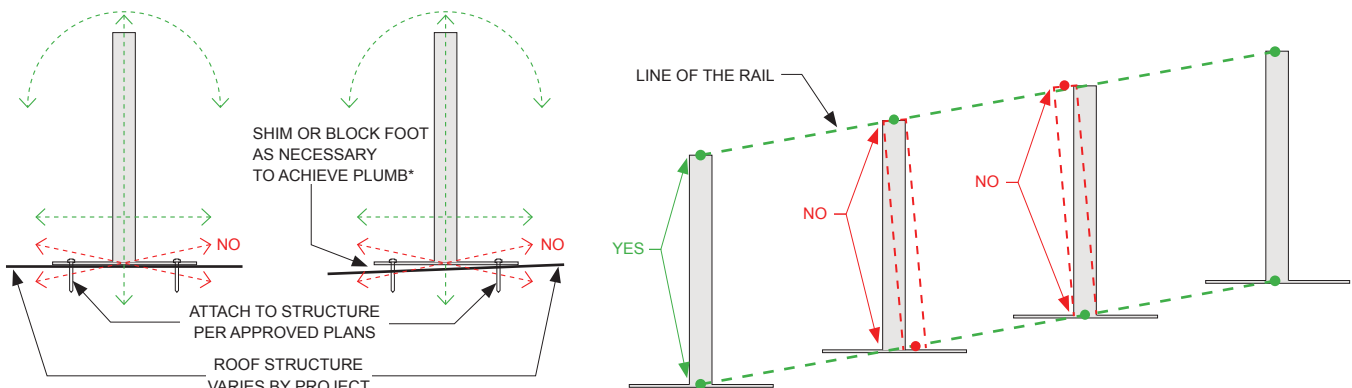


DIAGRAM B



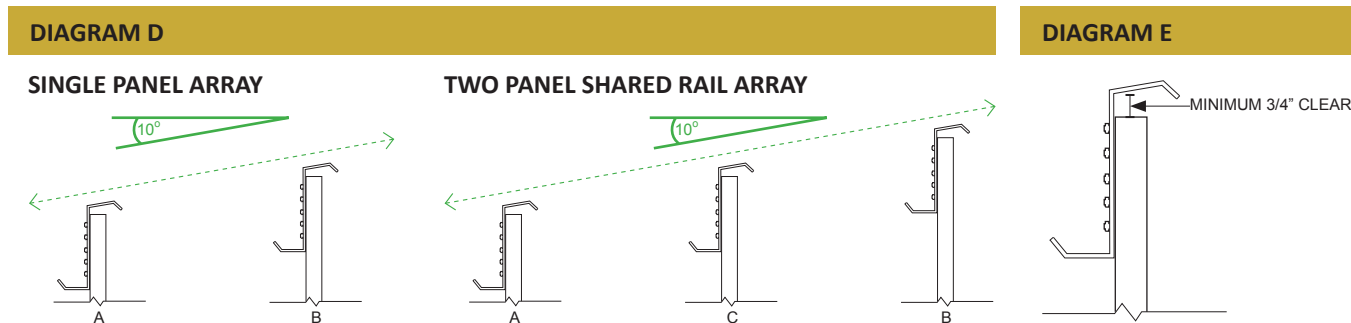
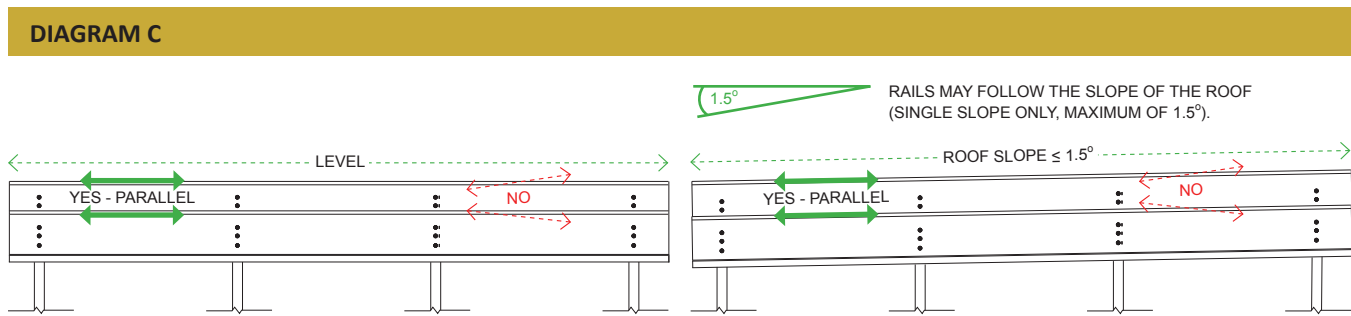
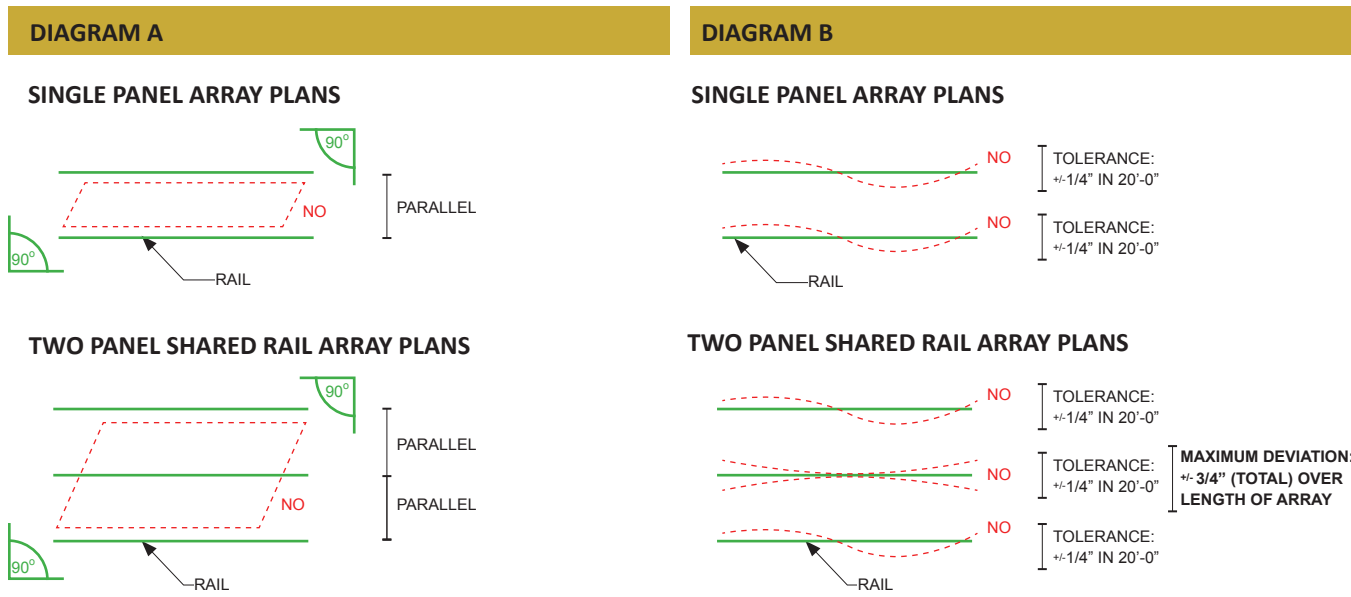
QUALITY ASSURANCE INSPECTION CHECKLIST

Verify that all required permits are present and that the installed array configurations match the AHJ approved plans.

*Consult the Engineer of Record to address non-standard conditions.

RAIL Inspection:

- Are the RAILS in each Array Plan square and parallel? *See Diagram A.*
- Are the RAILS straight? *See Diagram B.*
- Are the RAILS level? *See Diagram C.*
- Is the plane of the RAILS at a 10 degree slope? *See Diagram D.*
- Is there a minimum of 1" clearance between the top of the SWIF leg and the RAIL? *See Diagram E.*
- Are the RAIL-to-SWIF SELF DRILLING BOLT fasteners centered on the SWIF and positioned per the AHJ approved plans?
- Are the SPLICE BOLTS installed and torqued according to the values in the Installation Manual?



QUALITY ASSURANCE INSPECTION CHECKLIST

Verify that all required permits are present and that the installed array configurations match the AHJ approved plans.

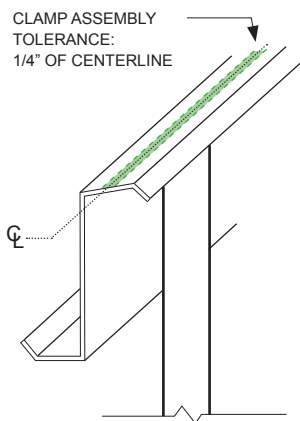
*Consult the Engineer of Record to address non-standard conditions.

PANEL Inspection:

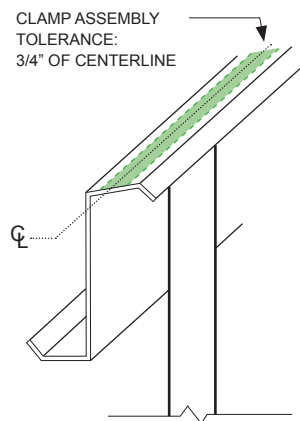
- Are the PANELS positioned on the RAILS according to the AHJ approved plan?
- Are the PANELS aligned with each other within each Array and positioned snugly to the MIDCLAMP ASSEMBLY spacer tabs?
- Are the CLAMP ASSEMBLIES attached along the Centerline of the RAILS? *See Diagram A.*
- Are the CLAMP ASSEMBLIES torqued according to the values in the Installation Manual?

DIAGRAM A

RAILS A & B



RAIL C - SHARED RAIL



RACK ASSEMBLY Inspection:

- Are the RAILS free of metal shavings and other debris?
- Is the roof surface free of metal shavings and other debris?
- Are all hardware components torqued as required in the Installation Manual?
- Has the roof assembly been inspected for damage, and any issues addressed per the roofing product manufacturer requirements?