

METAL ROOF WALKWAY INSTALLATION

HIGH RIB ROOFS – NO HANDRAILS

General:

1. Parallel runs go in the same direction as the roof ribs.
2. Perpendicular runs go at a 90° angle to the ribs.
3. Grating assemblies start with a male/female grate and end with a male/male grate.
4. Grate sections may be cut where necessary.
5. Clean roof of any metal debris or shavings.
6. Grate section ends should be coated with an anti-corrosive coating to prevent rust.

Parallel Runs:

1. Locate Parallel Support plates where shown on the roof plans and locate over purlins. Typical spacing is five feet on center (do not exceed six foot spacing or cantilever grates beyond a support more than 12 inches). Place plates so grate section ends butt over the center of a support plate. Align the plates with the major roof ribs as shown on the drawing.
2. Place one inch wide mastic at points on the roof rib where fasteners will penetrate the roof panel.
3. Fasten the support plates using 12-14 x 3” self drilling fasteners with head washers as shown on the drawing. Do not over torque the fasteners.
4. Place the plank grating assemblies over the support plates so grate section ends butt over the center of a support plate.
5. Place “M” Clips at each plank end and middle located so a fastener may tie into a support section. Do not use one M clip to splice planks together. Use one clip on either side of the splice. Each 10’ plank receives three M Clips.
6. Fasten the planks with 3” long self drilling fasteners into the supports taking care not to penetrate any roof panels.

Perpendicular Runs:

1. Locate Perpendicular Support plates where shown on the roof plans. Typical spacing is five feet on center (do not exceed six foot spacing or cantilever grates beyond a support more than 12 inches). Place plates so grate section ends butt over the center of a support plate.
2. Place one inch wide mastic to the support plate flanges where it will contact the roof panel as shown on the drawing.
3. Fasten the support plates using 12-14 x 1-1/4” self drilling fasteners with head washers as shown on the drawing. Do not over torque the fasteners.
4. Fasten ledger angles at intersections of perpendicular runs and parallel runs using 12-14 x 1-1/4” self drilling fasteners.
5. Place the plank grating assemblies over the support plates so grate section ends butt over the center of a support plate.

6. Place "M" Clips at each plank end and middle located so a fastener may tie into a support section. Do not use one M clip to splice planks together. Use one clip on either side of the splice. Each 10' plank receives three M Clips.
7. Fasten the planks with 3" long self drilling fasteners into the supports taking care not to penetrate any roof panels.