

METAL ROOF WALKWAY INSTALLATION

STANDING SEAM – 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. 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.
2. Fasten the support plates using S-5 clamps. Do not over torque the fasteners.
3. Place the plank grating assemblies over the support plates so grate section ends butt over the center of a support plate.
4. 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.
5. 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 plank gratings where shown on the roof plans starting at a ledger angle at the Parallel plank run. Place planks so the slot opening aligns with a major rib. S-5 clamps are located no more than 10' on center (see roof plans). Each plank is secured to an S-5 clamp using a M8-50 bolt, a thin wall 1/2" socket, and an M washer.
2. Fasten ledger angles at intersections of perpendicular runs and parallel runs using 12 14 x 1-1/4" self-drilling fasteners.
3. Where plank section ends butt against each other, install a splice channel with four self drilling fasteners into the sides of the outboard planks. Then fasten the ends of each plank at the first complete slot into the splice using M clips and 3" self drilling fasteners. Take care not to penetrate any roof panels.