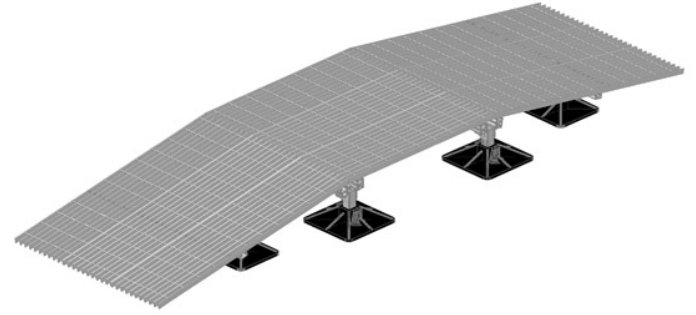




# RAMP

## SPECIFICATION & TECHNICAL INFORMATION SHEET



### DESCRIPTION:

The PHP Ramp is designed to attain access to all areas on the roof that may be obstructed by piping, ducting or equipment. It is specifically designed to be installed directly on the roof without penetrations, flashings or damage to the roofing material.

### INSTALLATION PROCEDURE:

- 1** | Layout isolation pads (provided by contractor) according to footprint of ramp.
- 2** | Place bases on top of isolation pads:
  - a. Must be compatible with existing roof or new roof system being installed, (check with manufacturer).
  - b. Need not be adhered to roofing membrane.
- 3** | Insert legs of substructures into bases.
- 4** | Place grating for ramp landing on 1-5/8" channel of each set of substructures.
- 5** | Attach grating to 1-3/4" B-B channel with hold-down clip.
- 5** | Set intermediate handrails on intermediate brackets and attach with 1" bolt and 1/2" spring nut.
- 6** | Set top handrail on top brackets and attach with 1" bolt and 1/2" spring nut.
- 7** | Tighten all nuts, bolts and hold-downs.

### STORAGE:

Store in the original, unopened containers, under cover, until needed for installation.

### LEED INFORMATION:

Frame/Steel  
Post Consumer Recycled Content: 0%  
Post Industrial Recycled Content: 25%

### BASE MATERIAL:

Post Consumer Recycled Content: 80%  
Post Industrial Recycled Content: 20%  
Manufacturing Location: Houston, TX

### PRODUCT DATA:

Property:	Minimum Performance:
<b>Base:</b>	
Base Material:	Injection molded high density/high impact polypropylene with UV-inhibitors and Antioxidants
Base Color:	Black
Base Density:	55.8 lb/cu ft (894 kg/cu m)

### Carbon Steel and 304 Stainless Steel Framing:

Channel Types:	1-5/8" (41.3 mm) or 1-7/8" (47.6 mm) as required by loading
Form:	Roll-formed 3-sided tubular shape, perforated with 9/16" (14.3 mm) holes at 1-7/8" (47.6 mm) centers on three sides
Thickness:	12 gauge (2.7 mm)
Carbon Steel Finish:	Hot dip galvanized per ASTM A 123
Stainless Steel Finish:	Mill Finish

### Surface:

Type:	Walkway Planking 18-ga. steel
Section Width X Height:	12" x 2.5"
Flange Options:	FM and MM
Surface Condition:	MG-traction grip
Carbon Steel Finish:	Hot dip galvanized per ASTM A 123
Type:	Bar grating type WB-4, Carbon Steel Section Width as required
Bar Grating Height:	1"
Surface Condition:	Serrated
Carbon Steel Finish:	Hot dip galvanized per ASTM A 123