



COMMERCIAL & INDUSTRIAL HVAC EQUIPMENT

# General Information: Roof Curbs

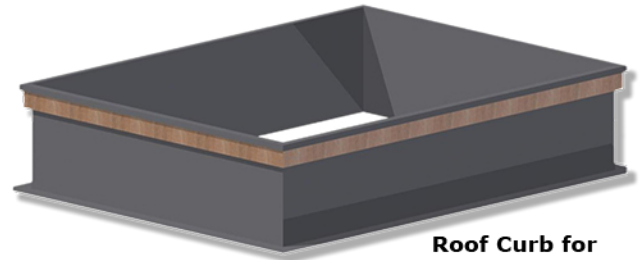
## Titan Air Product Lines

- 100% Air Makeup Units
- Swimming Pool Units
- AR/80 - Air Recirculation
- VAV Make up Air Units
- Cooling Units & Modules
- Custom Equipment & Controls
- Direct & Indirect Fired, Electric, Hot Water, and Steam Heating
- Direct Evaporative, DX, and Chilled Water Cooling

Titan Air offers multiple configurations of roof curbs for units being installed on **built-up roofs** that are either flat or pitched.

### Titan Air Roof Curb Standard Features

- Flat Roof curb standard height is 18"
  - 24" tall curbs are available for models TA-109 - TA-230
- Pitched Roof curb standard height is 18"
  - Pitched roof curb over 18" tall is not available as standard
- Construction Details
  - G-90 Galvanized



Roof Curb for flat, built-up roof

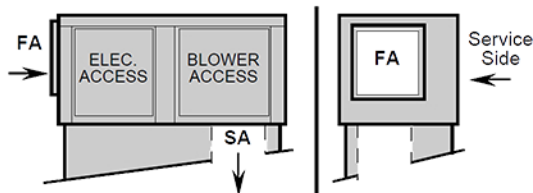
### Roof Curb Overview and Installation

The use of a full perimeter curb or mounting rails under an air handler is recommended. The only openings in the roof should be for the supply air duct, return air duct (if required), and gas & electrical connections (if applicable). These openings must be sealed properly after installation. **Titan Air ships all curbs unassembled and un-insulated.** Installing contractor assembles the curb and also supplies all installation accessories such as gaskets, cant strips, insulation, etc. See **Titan Air Catalog** for curb dimensions and weights based on Titan Air model #. Recommended ductwork dimensions, which may larger than openings on the unit are also listed.

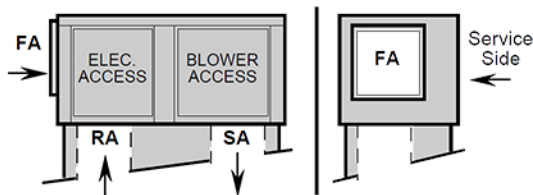
### Pitched Roof Curb Selection Diagrams

\*Horizontal units with DOWN discharge blowers

#### Air Makeup Unit



#### Air Recirculation Unit



FA: Fresh Air SA: Supply Air RA: Return Air

### Flat Roof Curb Installation Diagram

\*Horizontal unit with DOWN/SIDE discharge shown below

