



**CUSTOM GALVANIZED ROOF CURBS**

## CUSTOM ROOFTOP CURBS

Custom fabricated roof curbs for rooftop equipment, duct openings, fan bases, relief openings, and roof-mounted HVAC assemblies.

- Used for new rooftop equipment, fans, duct penetrations, exhaust or relief openings, and custom roof-mounted support conditions.
- Built to released curb dimensions, opening layout, height, flange/nailer requirements, pitch, insulation, and reinforcement details.
- Confirm equipment footprint, roof opening, roof pitch, attachment requirements, and installation responsibility before release.

|             |                             |
|-------------|-----------------------------|
| MATERIAL    | <b>G90 Galvanized Steel</b> |
| GAUGE RANGE | <b>20 ga - 10 ga</b>        |
| USE         | <b>Rooftop support</b>      |

### CONSTRUCTION STANDARD

|                      |  |
|----------------------|--|
| <b>Application</b>   | Custom roof curbs for rooftop equipment, fan supports, duct penetrations, exhaust or relief openings, and mechanical roof coordination.  |
| <b>Material</b>      | Galvanized steel is standard unless another material, coating, or finish is listed on the quote.   |
| <b>Construction</b>  | Curbs are fabricated to released dimensions using formed galvanized panels, welded or mechanically joined corners, top frames, bottom flanges, internal dividers, insulation, and reinforcement as required. |
| <b>Dimensions</b>    | Curb outside dimensions, inside opening, height, top frame, bottom flange, roof pitch, and equipment footprint should be confirmed before fabrication.   |
| <b>Openings</b>      | Supply, return, exhaust, relief, fan, drain, access, or blank-off openings can be coordinated from drawings, equipment submittals, templates, or verified field dimensions.                                  |
| <b>Coordination</b>  | Curbs are built from approved drawings, sketches, equipment submittals, templates, or field measurements. Roof structure, waterproofing, and installation are by others unless quoted.                       |
| <b>Quality check</b> | Roof curbs receive visual inspection before release. Structural engineering, load certification, field fit, or roof warranty acceptance are by others unless quoted.   |

### BUILD QUALITY



**Made to spec**

Built to released curb size, opening, height, and roof details.



**Built tough**

Formed galvanized construction with reinforcement as quoted.



**Quality checked**

Curbs receive visual inspection before release.



**Roof ready**

Built for coordinated rooftop equipment support.

## FABRICATION CAPABILITIES

|                        |   |
|------------------------|---|
| <b>Curb bodies</b>     | Rectangular roof curbs, fan curbs, equipment curbs, duct penetration curbs, raised curbs, and custom field-fit curbs.                               |
| <b>Profiles</b>        | Straight sides, pitched sides, stepped heights, sloped details, cant strips, bottom flanges, and special roof profiles.                             |
| <b>Openings</b>        | Supply, return, exhaust, relief, fan, drain, access, or service openings can be fabricated when shown or quoted.                                    |
| <b>Reinforcement</b>   | Internal dividers, braces, bearing rails, top frames, bottom flanges, tabs, brackets, and special support details when requested.                   |
| <b>Shop details</b>    | Wood nailers, insulation, gasketing, closures, seams, labels, piece marks, and shipping splits as quoted.   |
| <b>Release support</b> | Built from released dimensions, templates, sketches, field measurements, or drawing packages with installation responsibilities clearly identified. |

## BUILD OPTIONS

### Curb height

Custom heights can be fabricated to coordinate equipment clearance, roof conditions, and project requirements.

### Top frame

Top rails, flanges, bearing surfaces, gasket details, or equipment rail layouts can be built to match the equipment.

### Bottom fit

Bottom flanges, returns, pitch details, cant strips, and roof opening dimensions should match released conditions.

### Insulation

Insulated curb construction can be quoted when thermal, acoustic, or condensation control is required.

## CURB OPTIONS



EQUIPMENT

### Unit support

Curbs built to support rooftop units, fans, and equipment bases.



OPENINGS

### Air openings

Supply, return, relief, exhaust, or fan openings coordinated to the layout.



PITCH

### Roof correction

Sloped or tapered curb details where roof pitch requires it.



INSULATED

### Thermal control

Insulated sides or closed sections when specified and quoted.

## OPTIONAL ACCESSORIES

### Insulation

Insulated panels, liner, rigid insulation, or closed sections where specified.

### Gasket / seal

Gasket, sealant, tape, or weather seal details where quoted.

### Wood nailer

Wood nailers, top rails, cant strips, or roof attachment details when shown.

### Custom details

Dividers, blank-off panels, access openings, tabs, brackets, labels, and piece marks.

## REQUIRED FOR QUOTE / RELEASE

✓ Curb outside dimensions, inside opening, height, quantity, and required field-fit or sectioned lengths.

✓ Approved drawing, sketch, equipment submittal, roof opening template, or verified field dimensions.

✓ Supply, return, exhaust, relief, fan, drain, access, or blank-off opening locations and sizes.

✓ Roof pitch, curb condition, insulation, gasketing, wood nailer, cant strip, reinforcement, and attachment requirements.

✓ Material, coating, load/engineering requirements, shipping splits, piece marks, and inspection requirements.

## APPLICATIONS & DETAILS



### APPLICATION DETAIL

#### Rooftop support and openings



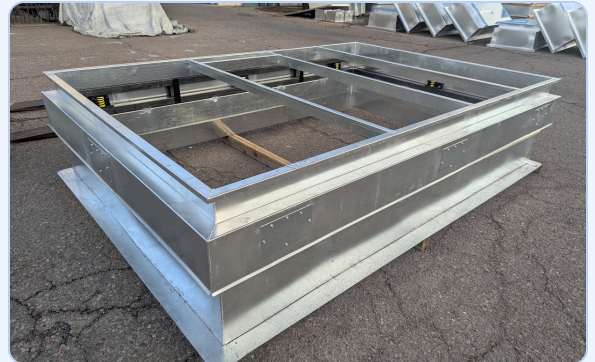
Curbs coordinate equipment support, duct openings, fan bases, relief openings, and roof-mounted HVAC assemblies. Each assembly is built around the released equipment footprint, clear openings, roof condition, and required bearing surfaces.

### APPLICATION DETAIL

#### Fit-critical details



Curb height, top frame, bottom flange, roof pitch, opening layout, and equipment footprint should be confirmed before release. Orientation, duct locations, fan rotation, gasket surface, and structural requirements should be explicit on the approved information.

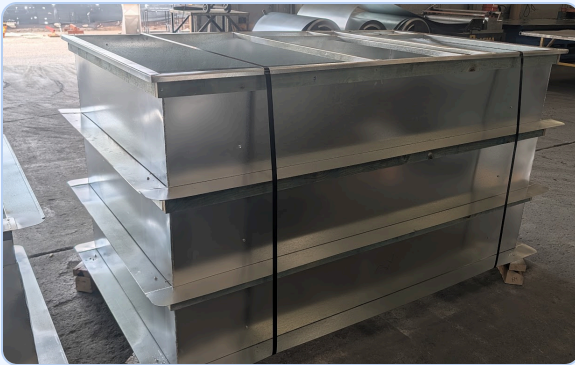


### APPLICATION DETAIL

#### Built and packaged to release



Insulation, wood nailers, gasket, dividers, blank-off panels, reinforcement, labels, and shipping splits can be included when quoted. Large or complex curbs can be staged and identified to support handling, rooftop placement, and final field assembly.



## NOT INCLUDED UNLESS QUOTED

- Installation, hoisting, rigging, roofing, roof penetration work, anchoring, or field fastening unless quoted.
- Engineering, structural calculations, permits, inspections, roof warranty coordination, or listed-system certification.
- Equipment selection, load verification, field waterproofing, sealant, hardware, startup, or rework from changed release dimensions unless quoted.

## SCOPE & RESPONSIBILITY

**Code note:** Roof curbs may be governed by equipment submittals, project specifications, roof warranty requirements, structural requirements, mechanical code, local code, and AHJ direction. Empire fabricates curbs to released dimensions and quoted scope; final equipment selection, load path, roof attachment, waterproofing, structural approval, installation method, and field acceptance remain the responsibility of others unless expressly included.

## READY TO QUOTE?



### Let's get your project moving.

Send drawings, sketches, photos, or field measurements. Empire is ready to go to work for you.

[quotes@empiremetalproducts.com](mailto:quotes@empiremetalproducts.com)

602-424-9980