

SECTION 10240

EQUIPMENT SCREENS

The following specification has been developed by:

*Curbs Plus Inc
8767 GA HWY 151
Ringgold, GA 30736
888-639-2872*

to provide screening of Roof top Mechanical units

I - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Pre-formed metal panels for enclosing roof top mechanical equipment.
2. Galvanized Curb Mounted Assembly Framing for direct attachment of screening panels to Structural Roof Curb; no installing into mechanical equipment allowed.
3. Assembly made to permit easy access to mechanical equipment for servicing.
4. Touch-up painting required for scratches and screw heads.

B. Products Not Installed or Furnished in This Section:

1. Field painting of prime painted screens

1.02 RELATED SECTIONS

- A. Section [] – Rooftop Units.
- B. Section [07720] – Structural Roof Curbs
- C. Section [] – Metal Panels

1.03 SYSTEM DESCRIPTION

A. Design Criteria:

1. Manufacturer is responsible for the structural design of all materials, assembly and attachments to resist snow, wind, suction and uplift loading at any point without damage or permanent set.

1.04 SUBMITTALS

A. Product Data: Submit manufacturer's catalog data, detail sheets, specification and other data sufficient to indicate compliance with these specifications.

B. Shop Drawings: Indicate layouts heights, component connection details, and details of interface with adjacent construction. Mark data to indicate:

1. Roof top mechanical equipment to be enclosed.

- D. Closeout Submittals: Warranty documents, issued and executed by manufacturer, countersigned by Contractor.
- 1.05 QUALITY ASSURANCE
 - A. Regulatory Requirements: Comply with requirements of building authorities having jurisdiction in Project location.
- 1.06 DELIVERY, STORAGE AND HANDLING
 - A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly indicating manufacturer and material.
 - B. Storage and Handling: Protect materials and finishes during handling and installation to prevent damage.
- 1.07 COORDINATION
 - A. Installer for work under this Section shall be responsible for coordination of panel and framing sizes and required options with the Contractor's requirements.
 - 1. Request information on sizes and options required from the Contractor.
 - B. Submit shop drawings to the Contractor and obtain written approval of shop drawing from the Contractor prior to fabrication.
- 1.08 WARRANTY
 - A. If any part of the rooftop equipment screen fails because of a manufacturing defect within one year from the date of substantial completion, the manufacturer will furnish without charge the required replacement part(s). Any local transportation, related service labor or diagnostic call charges are not included.
 - B. This warranty does not cover failure of your rooftop equipment screen if it is damaged by the Owner, or if the failure is caused by improper installation. In no event shall Warrantor be liable for incidental or consequential damages.

II - PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Products:

2.02 MATERIALS

- A. Metal Panels: Fabricated from rigid galvalume metal sheets.
- B. Framing: Minimum 18 Gauge LFQ, CQ, G-90 galvanized steel, or heavier gauge (as required)
- C. Threaded Fasteners: All screws, bolts, nut and washers shall be Stainless steel.
 - 1. Fasteners shall be #10-16 x stainless steel TEK screws. Length as required to develop full holding capacity of screw when fastened to Curb Mounted System.

2.03 CONSTRUCTION

- A. Provide factory metal formed panel systems: Form all components true to shape, accurate in size, square and free from distortion or defects. Cut panels to precise lengths indicated on approved shop drawings.

1. Panel Style and Height
 2. Panel Design
- B. Trim: Fabricated from galvanized metal, and finished with the manufacturers standard coating system, unless shown otherwise on drawings.
- C. Framing: Fabricate and assemble in largest practical sizes, for delivery to the site.
1. Construct corner assembly to required shape with joints tightly fitted.
- 2.04 FINISHES
- A. Panel Coating: Manufacturer's standard coating system, factory-applied.
1. Color Selection: Submit paint chip with full range of colors available for Architect's selection. All colors are custom matched for specific jobs.

III - EXECUTION

3.01 EXAMINATION

- A. Installer's Examination: Examine conditions under which construction activities of this section are to be performed.
1. Submit written notification to Architect and Screen manufacturer if such conditions are unacceptable.
 2. Beginning erection constitutes installer's acceptance of conditions.

3.02 INSTALLATION

- A. The Curb Mounted Screen System must be installed in accordance with instructions and as detailed drawings.

3.03 CLEANING AND PROTECTION

- A. Protection:
1. Ensure that finishes and structure of installed systems are not damaged by subsequent construction activities.
 2. If minor damage to finishes occurs, repair damage in accordance with manufacturer's recommendations; provide replacement components if repaired finishes are unacceptable to Architect.

END OF SECTION