Architect and Engineer Specifications

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Model: PRO SERIES II WELDED VERTICAL RACKS

1) General Description

1.1 Pro Series II Welded Vertical Rack cabinets. See Appendix "A" for typical styles and measurements.

1.2 The contractor shall supply a system of vertical racks capable of supporting specified electronics.

1.3 Racks supplied shall be able to be ganged.have Additional cabinets can be added to existing rack systems, without removal of any elecronics.

1.4 Side components shall offer ventilation. The bottom shall be open with closure panel available.

1.5 Rack rails shall be tapped 10-32 and fully adjustable front to back.

1.6 Model options shall include those that are welded and shipped as an assembled unit.

2) Standards

2.1 The system shall comply with Electronic Industry Association (E.I.A.) specifications for rack mounting ANSI/EIA standard RS-310.

3) Drawings

3.1 The contractor shall supply five sets of scaled drawings for each vertical rack cabinet assembly showing the location of all the specified electronics in isometric view in addition to a plan (top) and front views.

3.2 The specification of sizes and dimensions shown in the drawings shall have a tolerance of not more than +/- 0.062" (1.6mm).

4) Welded Pre-Engineered Construction

All components within each rack cabinet shall be:

4.1 Of pre-engineered construction, ie: constructed from a series of independent components.

4.2 Available from a pre-defined manufacturers model number representing a complete cabinet.

4.3 In common production for at least two years prior to the date of submission.

4.4 Free from alterations to the installed cabinet or series of cabinets, will be accomplished without the need for either welding or carpentry work.

4.5 Capable of cables or conduits passing through a series of connected vertical cabinets without obstruction.

4.6 Capable of supporting E.I.A. standard 19" (483mm) width rack mounted equipment.

4.7 Constructed of 16 (.059") gauge skins with three 16 (.059") gauge horizontal struts welded front to back for rack rail support.

4.8 Constructed of 12 (.104") gauge steel outer rack rails.

4.9 Of standard vented or solid blank panel and shall be determined by the contractor and included to cover areas not filled in with specified equipment. These panels shall be measured in standard rack unit multiples and available with standard part numbers for future changes to the system.

5) Finish and Color

5.1 All exterior and frame steel components shall have a zinc oxide wash primer then painted with a black textured powder paint.

6) Optional Accessories

6.1 A full range of optional accessories are available including but not limited to: Caster kit, electrical outlet supply, shelf support brackets, stationary shelves, pullout shelves, rack slide kits, drawers, blowers, cooling fans along with grounding and lacing bars.

7) Mounting Hardware

7.1 Mounting hardware for the specified electronics shall be available upon request. 10-32 panel bolts and washers suitable for use with E.I.A. standard tapped rack rails shall be included.

7.2 Slide kits where appropriate (including drawers) shall be of ball bearing operation. Friction or roller type slides are not acceptable.

8) Instructions

8.1 Fully detailed assembly instructions in the English language shall be supplied with both written and pictorial descriptions for each item/model numbered component.
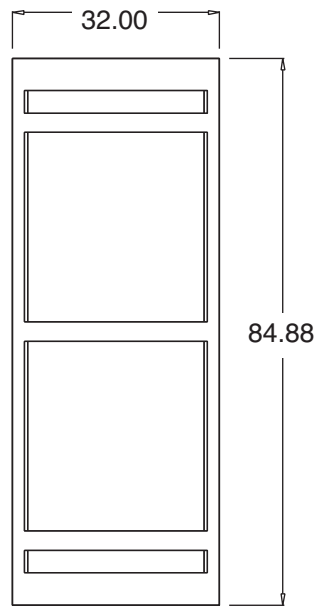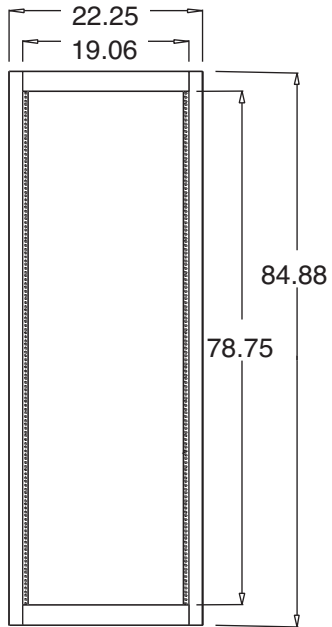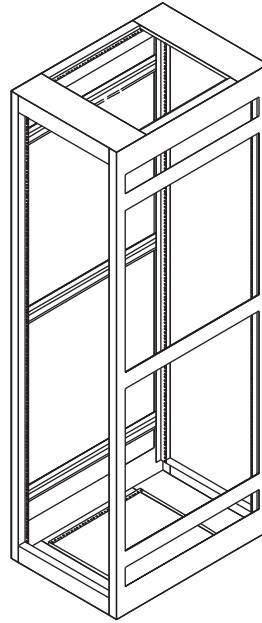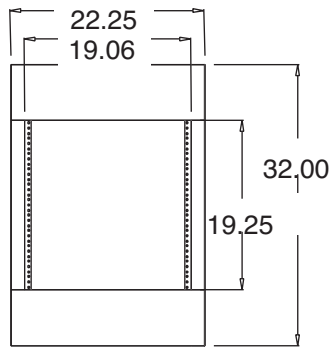
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9) Packaging

9.1 Each system component part number shall be independently marked and packed into double or triple ply corrugated outer cartons and shall be suitable for storage and shipping to site without damage.

10) Warranty

10.1 The manufacturer shall provide a written ten year warranty against defects of all component parts, material, and workmanship under normal use.

Appendix A • Model 90033 - 78-3/4"H Rack