

SECTION 10 27 00
WALL MOUNT ARTICULATING ARM

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies plasma wall mount articulating arm.

1.2 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 - a. Wall mount articulating arm.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Deliver material in original package marked to identify the contents, brand name, and the name of the manufacturer or supplier.
- B. Store in dry and protected location. Store so as to not bend or warp the arm.
- C. Do not open packages until contents are needed for installation, unless verification inspection is required.

1.4 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):
 - B221-06.....Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
 - B456-03.....Electrodeposited Coatings for Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
- C. The National Association of Architectural Metal Manufacturers (NAAMM):
 - AMP 500 Series.....Metal Finishes Manual

PART 2 - PRODUCTS

2.1 WALL MOUNT ARTICULATING ARM

- A. Surface mounted:
 - 1. Mount shall be a fabricated mild steel design and consist of a wall support plate, two articulating arms, tilt channel weldment, tilt plate, rails, hangers, and extensions. The unit shall be constructed of 11 gauge sheet steel. The articulating arms shall be 1" x 2" x 14

gauge rectangular steel tubing welded to solid steel pivots. Mount to attach to metal stud and drywall wall construction with 3/8" diameter fasteners and extend up to 27/3/4" from the wall.

2.2 FASTENERS

- A. Exposed Fasteners, Screws and Bolts: Stainless steel or chromium/nickel plated brass.

2.3 FINISHES

- A. Powder coat black or gray.

2.4 FABRICATION

- A. Weld and grind smooth joints of fabricated components.
- B. Provide steel anchor plates, supports, and anchors for securing components to building construction.
- D. Form flat surfaces without distortion.
- E. Shop assemble components and package complete with anchors and fittings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install wall mount articulating arms after finish painting and ceiling finishing operations are complete.
- B. Install wall mount articulating arms plumb and securely anchor to the wall with suitable anchors to form a rigid installation.
- C. Remove damaged or defective components and replace with new components or repair to the original condition.

3.2 ACCEPTANCE

- A. Wall mount articulating arm shall be installed neat, rigid, plumb, level and true, and securely anchored to the wall construction.
- B. Units shall operate smoothly and easily over the full range of travel.

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