

SECTION 09100

METAL SUPPORT ASSEMBLIES

PART GENERAL

SECTION INCLUDES

Metal support assemblies, including curved track and stud components for curved wall applications.

Metal support assemblies, including curved track and stud components for vault applications.

Metal support assemblies, including and stud ribs and curved track headers for dome applications.

Metal support assemblies, including curved track and stud components for arch applications.

RELATED SECTIONS

Section 06160 - Sheathing

Section 09260 - Gypsum Board Assemblies

REFERENCES

ASTM A 653/A 653M - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

ASTM C 645 - Non-Load Bearing (Axial) Steel Studs, Runners (Tracks), and Rigid Furring Channels for Screw Application of Gypsum Board.

ASTM C 754 - Installation of Steel Framing Members to Receive Screw-Attached Gypsum Board.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's product data, including physical properties and application instructions.

Shop Drawings: Indicate layout, profiles, and product

components, including anchorage and accessories.

Quality Assurance Submittals:

Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.

Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and physical properties.

Closeout Submittals: Warranty documents specified.

QUALITY ASSURANCE

Installer Qualifications: Experienced in performing work of this section and specialized in the installation of work similar to that specified.

Submit certificate indicating qualifications.

Regulatory Requirements:

_____.

DELIVERY, STORAGE, AND HANDLING

Deliver materials to site in manufacturer's original, unopened, undamaged containers, with labels intact clearly indicating manufacturer and material.

Store materials protected from exposure to harmful conditions as recommended by manufacturer.

PROJECT CONDITIONS

Field Measurements: Take field measurements of areas to receive metal support assemblies before fabrication; show recorded measurements on shop drawings.

Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

WARRANTY

Manufacturer's Warranty: Furnish manufacturer's standard warranty against defects in product workmanship and materials, executed by authorized company official.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: Radius Track Corporation; 6612 Lyndale Avenue South, Suite 2, Richfield MN 55423; ASD. Tel: (612) 866-6859; Toll Free: (888) 872-3487 (888-8RADIUS); Fax: (612) 861-4809.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

Supply all products specified in this section from a single manufacturer.

METAL SUPPORT ASSEMBLIES

Track and Stud Components: Custom curved studs and tracks complying with ASTM C 645, hot-dip galvanized in accordance with ASTM A 653, G60.

Size: 2-1/2 inches (64 mm) through 8 inches (203 mm), as indicated on drawings.

Gage: _____ gage.

Gage: As indicated on drawings

Depth: 3 inches (76 mm) leg depth maximum.

Radius: As indicated on drawings.

Tolerance: Plus or minus 1/16 inch (1.6 mm) of arc.

ACCESSORIES

Anchors, Fasteners, Hanger Wire, Ties, Hanger Rods, Hangers, and Channels: As recommended by manufacturer.

PART EXECUTION

EXAMINATION

Verify that conditions are acceptable for product installation in accordance with manufacturer's instructions.

Notify Architect of conditions that would adversely affect application of metal support assemblies. Do not proceed with application until unsatisfactory conditions

are corrected.

PREPARATION

Prepare surfaces to receive metal support assemblies in accordance with manufacturer's instructions.

INSTALLATION

Install metal support assemblies as computed by manufacturer's automated documents.

Curved Wall Applications: Install curved track and stud components.

Barrel Vault Applications: Install custom curved stud components.

Span width of vault with studs spaced at 32 inches (813 mm) to 48 inches (1219 mm) on center, as indicated on drawings.

Attach hat channels to curved studs; span length of vault, hat channels spaced 12 inches (305 mm) to 24 inches (610 mm) on center, as indicated on drawings.

Simple Vault Applications: Install custom curved track and stud components.

Span width of vault with studs spaced at 12 inches (305 mm) to 24 inches (610 mm) on center, as indicated on drawings.

Dome Applications: Install stud ribs and curved track headers for arch length, as indicated on drawings.

Arch Applications: Install curved track components and straight studs assembled into curved load-bearing curved box beams and arches, as indicated on drawings.

Coordinate installation with gypsum board assemblies.

END OF SECTION