Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat, SectionFormat,* and *PageFormat,* as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition.*

This section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers are from *MasterFormat 2010 Update.*

SECTION 26 05 29.12
METAL FRAMING SYSTEM - SUPERSTRUT®

Specifier Notes: Delete any information below in Parts 1, 2 or 3 which is not required or relevant for the project.

PART 1 – GENERAL

1.01 SUMMARY

A. This section includes Superstrut® metal framing system consisting of channel and accessories for support systems and surface raceway systems.

B. Related Sections:
1. 26 05 29.11 Modular Metal Framing System - Kindorf®

1.02 REFERENCES

A. National Fire Protection Association (NFPA):
1. NFPA 70 National Electrical Code (NEC)

B. Federal Specifications:
1. W-C-582 Conduit, Raceway, Metal and Fittings: Surface
2. WW-H-171 Hanger and Support, Pipe

C. Metal Framing Manufacturers' Association
1. MFMA-4 Metal Framing Standard Publication
2. MFMA-101 Guidelines for the Use of Metal Framing

D. American Society for Testing and Materials (ASTM):
1. ASTM B633 Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel

1.03 SUBMITTALS

A. Comply with Section 01 33 00 – Submittal Procedures.

B. Product Data:
1. Submit manufacturer's descriptive literature and product specifications for each product.
2. Manufacturer's product drawings.

C. Manufacturer's installation instructions

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Products shall be free of defects in material and workmanship.

1.05 WARRANTY

A. Product is warranted free of defects in material and workmanship.

B. Product is warranted to perform the intended function within design limits.

PART 2 – PRODUCTS

2.01 GENERAL

A. Superstrut® modular metal framing system shall be in compliance with the following specifications:
1. Federal Specification W-C-582
2. Federal Specification WW-H-171
3. MFMA-4
4. ASTM B633

2.02 MANUFACTURERS

A. Acceptable Manufacturers:
Thomas & Betts Corporation
8155 T&B Blvd
Memphis, TN 38125
800-816-7809, 901-252-5000
www.tnb.com

Product: Superstrut® Metal Framing System

2.03 DESIGN AND PERFORMANCE REQUIREMENTS

A. Superstrut® metal framing system shall have standard channel width of 1-5/8” and come in five different available heights: 13/16” (B series), 1-3/8” (C series), 1-5/8” (A series), 2-7/16” (E series) and 3-1/4” (H series).

B. Superstrut® metal framing channel shall be available in thicknesses of 12 or 14 gauge steel.

C. Superstrut® metal framing channel shall be available in the following different finishes: GoldGalv®, Pregalvanized, Hot-dipped galvanized, SilverGalv®, and PVC coated.

D. Superstrut® metal framing channel shall also be available in stainless steel or aluminum.

E. Superstrut® metal framing system shall have the following accessory offering:
1. threaded products and hardware
2. fittings and brackets
3. concrete inserts
4. beam clamps
5. pipe straps, conduit clamps and hangers

2.04 MATERIALS

A. Steel channel sections shall be rolled from AISI C1008 commercial grade steel and be in conformance with ASTM A569.

B. Stainless steel channel shall be available in either 304 or 316 stainless steel.

C. Aluminum channel shall be made from aluminum alloy 6063-T6.

2.05 FINISHES

A. GoldGalv®
1. GoldGalv® channel shall be electro-plated with minimum 0.5 mils of zinc with a trivalent chromium conversion coat applied after the strut is fabricated.
2. GoldGalv® straps & fittings shall be electro-plated with minimum 0.2 mils of zinc with a trivalent chromium finish applied after the fittings are fabricated.
3. All electro-plated parts shall be per ASTM B633 specifications.
4. GoldGalv® channel shall meet or exceed 900 hours of the ASTM B117 salt spray test.
5. GoldGalv® finish must contain no harsh chemicals and shall be RoHS compliant.
6. GoldGalv® finish shall contain UV stabilizers and maintain color expectation in sun light.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Installation of the system shall be in accordance with the NEC and MFMA-101.

END OF SECTION