

DIVISION 05 - METALS

05 00 00 METALS

05 01 00 Maintenance of Metals

- 05 01 10 Maintenance of Structural Metal Framing
- 05 10 20 Maintenance of Metal Joists
- 05 10 30 Maintenance of Metal Decking
- 05 10 40 Maintenance of Cold-Formed Metal Framing
- 05 10 50 Maintenance of Metal Fabrications
- 05 10 70 Maintenance of Decorative Metal
 - 05 01 70.91 Historic Treatment of Decorative Metal

05 05 00 Common Work Results for Metals

- 05 05 13 Shop-Applied Coatings for Metal
- 05 05 23 Metal Fastenings
- 05 05 53 Security Metal Fastenings

05 06 00 Schedules for Metals

- 05 06 10 Schedules for Structural Metal Framing
 - 05 06 10.13 Steel Column Schedule
 - 05 06 10.16 Steel Beam Schedule
- 05 06 20 Schedules for Metal Joists
 - 05 06 20.13 Steel Joist Schedule
- 05 06 30 Schedules for Metal Decking
- 05 06 40 Schedules for Cold-Formed Metal Framing
- 05 06 50 Schedules for Metal Fabricators
- 05 06 70 Schedules for Decorative Metal

05 08 00 Commissioning of Metals

05 10 00 STRUCTURAL METAL FRAMING

05 12 00 Structural Steel Framing

INCLUDE IN CONSTRUCTION DOCUMENTS

SUBMITTALS

LEED Submittals:

- A. Product Data for Credit MR 4.1 and Credit MR 4.2: For products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content. Include statement indicating cost for each product having recycled content.

End of Section

- 05 12 13 Architecturally-Exposed Structural Steel Framing
- 05 12 16 Fabricated Fireproofed Steel Columns
- 05 12 23 Structural Steel for Buildings

05 12 33 Structural Steel for Bridges

05 13 00 Structural Stainless-Steel Framing

05 14 00 Structural Aluminum Framing

05 14 13 Architecturally-Exposed Structural Aluminum Framing

05 15 00 Wire Rope Assemblies

05 15 13 Aluminum Wire Rope Assemblies

05 15 16 Steel Wire Rope Assemblies

05 15 19 Stainless-Steel Wire Rope Assemblies

05 16 00 Structural Cabling

05 16 33 Bridge Cabling

05 20 00 METAL JOISTS

05 21 00 Steel Joist Framing

05 21 13 Deep Longspan Steel Joist Framing

05 21 16 Longspan Steel Joist Framing

05 21 19 Open Web Steel Joist Framing

05 21 23 Steel Joist Girder Framing

05 25 00 Aluminum Joist Framing

05 30 00 METAL DECKING

05 31 00 Steel Decking

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End of Section

05 31 13 Steel Floor Decking

05 31 23 Steel Roof Decking

05 31 33 Steel Form Decking

05 33 00 Aluminum Decking

05 33 13 Aluminum Floor Decking

05 33 23 Aluminum Roof Decking

05 34 00 Acoustical Metal Decking

05 35 00 Raceway Decking Assemblies

05 36 00 Composite Metal Decking

05 36 13 Composite Steel Plate and Elastomer Decking

05 40 00 COLD-FORMED METAL FRAMING

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SUBMITTALS

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05 41 00 Structural Metal Stud Framing

CONSULTANT DESIGN GUIDELINE

If a structural metal stud framing system is specified, it is the desire of the university that the insulation be installed on the exterior outside of the wall system leaving the wall cavity empty and easy to accept cabling and other building infrastructure. This system is intended to keep the dew point completely away from the structural steel system and thereby increasing life and durability.

05 42 00 Cold-Formed Metal Joist Framing

05 42 13 Cold-Formed Metal Floor Joist Framing

05 42 23 Cold-Formed Metal Roof Joist Framing

05 43 00 Slotted Channel Framing

05 44 00 Cold -Formed Metal Trusses

05 45 00 Metal Support Assemblies

05 45 13 Mechanical Metal Supports

05 45 16 Electrical Metal Supports

05 45 19 Communications Metal Supports

05 45 23 Healthcare Metal Supports

05 50 00 METAL FABRICATIONS

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Quality Assurance

- A. Structural Ceiling Grid Manufacturer Qualifications: Grid system manufacturer with no less than 5years' experience in manufacturing and installing adjustable metal framing ceiling grid supports. The manufacturer shall demonstrate experience of projects of similar scope and size. The manufacturer must certify in writing that components supplied have been produced in accordance with an established quality assurance program.

End of Section

05 51 00 Metal Stairs

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05 51 13 Metal Pan Stairs

CONSULTANT DESIGN GUIDELINE

If stairs are located outside and exposed to moisture, do not use concrete filled metal pan systems. Please consider galvanized or precast or other systems. The University has experienced rusting with painted steel metal pan stairs, especially on the parking decks.

05 51 16 Metal Floor Plate Stairs

05 51 19 Metal Floor Grating Stairs

05 51 23 Metal Fire Escapes

05 51 33 Metal Ladders

05 51 33.13 Vertical Metal Ladders

05 51 33.16 Inclined metal Ladders

05 51 33.23 Alternating Tread Ladders

05 51 36 Catwalks

05 51 36.13 Metal Catwalks

05 52 00 Metal Railings

05 52 13 Pipe and Tube Railings

INCLUDE IN CONSTRUCTION DOCUMENTS

SUBMITTALS

LEED Submittals:

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End of Section

05 53 00 Metal Gratings

05 54 00 Metal Floor Plates

05 55 00 Metal Stair Treads and Nosings

05 55 13 Metal Stair Treads

05 55 16 Metal Stair Nosings

05 56 00 Metal Castings

05 58 00 Formed Metal Fabrications

05 58 13 Column Covers

05 58 16 Formed Metal Enclosures

05 58 19 Heating/Cooling Unit Covers

05 59 00 Metal Specialties

05 59 63 Detention Enclosures

05 70 00 DECORATIVE METAL

05 71 00 Decorative Metal Stairs

05 71 13 Fabricated Metal Spiral Stairs

05 73 00 Decorative Metal Railings

05 73 13 Glazed Decorative Metal Railings

05 73 16 Wire Rope Decorative Metal Railings

05 74 00 Decorative Metal Castings

05 75 00 Decorative Formed Metal

05 76 00 Decorative Forged Metal