

2021 TRADE SCOPES INDEX

STRUCTURAL STEEL SCOPE

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Revised 2005

A tender to supply and erect structural steel made from ferrous metal only, 14 GA and heavier for any building shall include only those items from the following list which are clearly indicated to be required by the plans and specifications available at the time bids are required.

This contractor shall include the following items regardless of where they may appear in the tender documents unless specifically noted otherwise in this Scope.

1. Anchors for structural steel.
2. Base or bearing plates and bearings for structural steel.
3. Beams, purlins, girts.
4. Bracing for steel members, trusses or frames.
5. Cables for permanent bracing.
6. Canopy steel framing, roof overhang structures or entrance canopies when attached to the structural steel frame, supported by a column(s) or free standing.
7. All columns, except as noted in Miscellaneous Metals Scope Included Item 31.2.
8. Conveyor galleries and supporting bents (exclusive of conveyer stringers, deck plate and supporting posts which are normally part of the conveyor assembly).
9. Crane rails and stops.
10. Door frames constituting part of the steel frame.
11. Expansion joints connected to the steel frame (excluding trade name items). Floor plates, roof plates (checkered or smooth) and steel grating connected to the steel frame.
12. Girders.
13. Grillage beams of steel.
14. Hangers supporting structural steel if attached to the steel frame.
15. Lintels as detailed or specified if attached to structural steel.
16. Monorail beams of standard structural shapes.
17. Open-web joist, bridging and steel deck support steel including supply only of embedded bearing plates and embedded deck (plate or angle) supports.
18. Sag rods forming part of the steel frame.
19. Separators, angles, tees, clips and other detail fittings, essential to steel frames.
20. Shear connectors for composite beams supplied and installed in shop or fields.
21. Shelf angles attached to structural steel only.
22. Shop drawings.
23. Shop fasteners or welds, and fasteners required to assemble parts for shipment.
24. Shop preparation and/or priming.
25. Walkways – when attached to structural steel frame work.
26. Trusses.
27. All contingency funds specifically called for in the structural specifications.
28. V-Rib.
29. Struts.
30. Structural supports for roof-mounted equipment attached to structural steel and shown on structural or architectural drawings.

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Steel landings when attached to structural steel.

31. Fabricated steel framing to support curtain walls, store fronts and windows, fabricated toilet partitions, kiosk framing, movable partitions and windows where attached to structural steel but not including architectural metal.
32. Glulam brackets when attached directly to the structural steel, but not including glulam bolts and shear plates. All glulam to glulam and glulam to masonry connections should be by other trades.
33. Welded anchors for masonry or precast concrete when shown on drawings as being shop applied to structural steel.
34. Mechanical floor frame openings 450 or greater is shown on structural or architectural drawings.
35. Nailer holes in embedded plates to facilitate attachment to concrete forms.
36. Powder coating.

FIELD CONNECTION MATERIAL

When the fabricator erects the structural steel, they shall supply all material required for the temporary and permanent connection of the component parts of the structural steel.

INCLUDE:

1. Clean up.
2. Protection of other trades work from damage by this trade.
3. Guarantee.
4. Scaffolding.
5. Hoisting and/or crane.
6. All contingency funds specifically called for in the structural specification.

EXCLUDE:

Temporary heat, light, power (up to a maximum of 120/280 volts and an adequate amperage for temporary lighting, heating and convenience outlets, sanitation) or as specified.

1. Temporary heat, light, power, sanitation.
2. Water.
3. Hoarding.
4. Final cleaning.
5. Steel deck regardless of specifications.
6. Placing of embedded items.
7. All cutting, patching and grouting.
8. Loose bolts other than for fastening items of structural steel.
9. Precast concrete anchors and all steel items that are cast in precast concrete.
10. Stainless steel, aluminum, plastic, wood or other specialty items.
11. All steel stairs and handrails and ladders.
12. Bolts, washers and shear plates used for glulam connections.
13. Steel Studs

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1. Field installed bracing or connections for precast concrete.
2. Stage Drapery Support Steel, fabricated types only, as detailed on Architectural and Structural Drawings, including those attached to Structural Steel.
3. Demolition.

When the erection of the structural steel is not part of the fabricator contract, the fabricator shall furnish:

- a) Ordinary machine bolts and nuts of suitable size and in sufficient quantity for all field connections of steel to steel which are specified to be thus permanently connected, plus an over-allowance of two percent of each size to cover waste; and
- b) High strength bolts and nuts (plus washer, if required) or special fasteners, of suitable size and in sufficient quantity for all field connections of steel to steel which are specified to be thus permanently connected, plus an over-allowance of two percent of each size to cover waste.

In the invitation to bid or the specifications which accompany it, welding electrodes, shim, leveling plates, fitting up bolts and drift pins required for field connections shall not be furnished by the fabricator when the erection of the structural steel is not part of the fabrication contract.