

## 2020 TRADE SCOPES INDEX

### MISCELLANEOUS METALS SCOPE

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A tender to supply, and install where noted on tender, F.O.B. jobsite Miscellaneous Steel, Ferrous Metal only, fabricated from 14 GA and heavier steel including galvanizing and cadmium plating, and chrome plating for items custom fabricated by this trade only, but no stainless steel, cast iron and aluminum items. Miscellaneous metals are to be bid supply only. Any installation is to be bid as a separate item.

The Miscellaneous Metals Scope does not supply any Brand Name items (i.e. purchase items).

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

#### INCLUDED:

1. Access doors and frames – except (trade name) items and those required for servicing mechanical and electrical equipment.
2. All fabricated doorframes not attached to the structural steel – drilling and tapping by others.
3. Benches and brackets, custom fabricated only.
4. Bolts – only includes those bolts and anchors required for anchoring miscellaneous steel supplied under this division.
  - 4.1. Anchor bolts set in concrete or masonry for wood framing, nailer plates and supporting wood framed mezzanines.
5. Bumper posts and rails, including parking lot guardrails and flex beam guards.
6. Burglar bars, custom fabricated only.
7. Canopy steel framing, soffit and fascia framing, overhang and outrigger steel structures, sun shade and shadow box steel frames, when not attached to structural steel or support by columns, regardless of steel section.
8. Corner protection angles.
9. Elevator hoistway and divider beams and necessary connections, and including elevator machine support beams, unless attached to structural steel.
10. Expansion joint angles and plates.
11. Fabricated convector frames and enclosures.
12. Fabricated wire mesh and expanded metal partitions and screens.
13. Fire escapes, as detailed only.
14. Flagpoles – steel, as detailed only.
15. Footscrapers, mud and foot grilles, including pans, but less drains (excluding brand-name items).
16. Frames, grating and plate covers for manholes, catch basins, sumps, trenches, hatches, pits, where detailed on architectural and/or structural drawings except cast iron and (trade name) floor and roof drains.
17. Gates, grilles, grillwork, excluding baked enamel or when forming part of mechanical system.
18. Grating type floors – catwalks – these only to include those specified or indicated on architectural and/or structural drawings and not supported by structural steel.
19. All handrails, balusters and any metal brackets attached to steel rail including plastic cover.
20. Joist hangers – fabricated types only.
21. Joist strap anchors.
22. Ledge and shelf angles, except where attached to structural steel.
23. Loose angle, plate, and beam lintels – as detailed or specified, when not attached to structural steel.
24. Mat recess frame (excluding brand-name items).
25. Mobile chalk and tackboard frames, trucks dollies and track complete with casters.
26. Shop drawings

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- 27. Shop preparation and/or priming.
- 28. Sleeves if specified except for mechanical and electrical trades.
- 29. Stair nosing, fabricated types only.
- 30. Steel ladders and ladder rungs.
- 31. All steel stairs.
  - 31.1. All landings not attached to structural steel, including all landings where the stair and landing are one (i.e. shop fabricated piece).
  - 31.2. Columns which support Items 31 and 31.1.
- 32. Table and counter legs, frames and brackets, mild steel fabricated only.
- 33. Thresholds and sills, fabricated types only.
- 34. Vanity and valance brackets custom fabricated type only.
- 35. Weatherbars steel.
- 36. Any other fabricated item where clearly detailed or specified and made from 14 ga. and heavier steel except where included by another trade scope.
- 37. Articulation channels, not attached to structural steel.
- 38. Glulam saddles for masonry, concrete, or wood walls but not including glulam bolts and shear plates.
- 39. Steel framing for storefronts, windows, overhead doors and pressed steel frames where shown on drawings but not attached to structural steel.
- 40. Fan and lighting guards, fabricated types only, as detailed on Architectural and Structural drawings, including those attached to structural steel. (Manufactured types excluded.)
- 41. Lighting grids and brackets, fabricated types only, as detailed on Architectural and Structural drawings, including those attached to structural steel. (Manufactured types excluded.)
- 42. Posts (not structural support), when not attached to structural steel.
- 43. Steel brackets, bolted only to structural steel to support rolling shutter doors.
- 44. Steel supports for moveable partitions when not attached to structural steel.
- 45. Supply only of all angles and bearing plates for precast core floor supports when not attached to structural steel.
- 46. All deck support angles and deck bearing plates when there is not structural steel in the project.
- 47. All kiosk and ticket booth steel framing by Miscellaneous Metal when not attached to structural steel.
- 48. Overhead doorjamb extensions and hardware support plates where detailed on architectural and structural drawings but not attached to structural steel.
- 49. Rebar dowels and anchors when shop welded to Miscellaneous Metals.
- 50. All rain water leaders and gutters fabricated from material 14 ga. or heavier.
- 51. Fabricated door stops c/w rubber pucks.
- 52. Nailer holes in embedded plates to facilitate attachment to concrete forms.
- 53. Stage Drapery Support Steel, fabricated types only, as detailed on Architectural and Structural Drawings, including those attached to Structural Steel. (Manufactured types excluded.)
- 54. Powder coating.

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#### EXCLUDED:

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. All miscellaneous metal items where detailed on mechanical and electrical drawings only.
2. Bolts other than for anchoring items of miscellaneous steel as defined above.
3. Glulam to glulam connections – by glulam contractor.
4. Joist hangers (trade name) types.
5. Manhole and catch basins – cast iron.
6. Metal cladding and covering, lighter than 14 ga.
7. Anchors and embedded plates for precast concrete and all steel items that are cast in precast concrete.
8. Reinforcing steel or mesh, smooth greased rods, dowels and inserts.
9. Roof and floor hatches when trade name item.
10. Steel stacks.
11. Steel reinforcement for architectural metal storefronts, curtain walls and windows.
12. Stone anchors – see masonry and stone division.
13. Thimble and breaching – by mechanical contractor, also mechanical fire dampers.
14. Window and area walls.
15. Steel deck, support angles, flat bars, and bolts, except Included Item 46.
16. Any towers, brackets and supports required for the installation of wheelchair lifts.
17. Steel brackets and support required for the installation of wheelchair lifts.
18. Asbestos board walls and curtains at welding booths.
19. Base angles at grade beam to pick up siding if supplies by structural steel in a building with purlins and girts.
20. All culverts and culvert material.
21. Supply of anchors and brackets for “Fero Fast” system (see Masonry Scope Included Item 17).

#### When fabricator erects miscellaneous steel:

They shall supply all material required for temporary and/or permanent connections of the component parts of the miscellaneous steel. They shall:

#### INCLUDE:

1. Clean up.
2. Protection of other trades work from damage by this Trade.
3. Guarantee.
4. Inspection.
5. Scaffolding.
6. Hoisting.
7. All contingency funds specifically called for in the miscellaneous steel specifications.

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#### **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. All demolition of existing miscellaneous metal.
7. Installation of anchors and brackets for "Fero Fast" system (see Masonry Scope Included Item 17).