

General Notes

- 1.0 Miscellaneous Metal Fabrications Schedule does not define full extent of Miscellaneous Metal Fabrication Scope
- 2.0 Refer to Architectural and Structural drawings & Specifications for full extent, quantities, dimensions, details etc.
- 3.0 All Sizing is for general scope description and estimation purposes only. All Miscellaneous Metal Fabrications to be Engineered per 05 50 00 and 05 50 10

Line Item	Description	Fabricated From	Finish	Hardware & Connections	Notes	Reference
EXTERIOR DOORS & WINDOWS						
	EXTERIOR STEEL DOOR FRAME JAMBHEAD					
	Support Angle	L127x127x7.8 Steel	Hot Dipped Galvanized	Mechanically fastened		16A500
	EXTERIOR DOOR THRESHOLDS					
	Exterior Door Threshold	6mm Alum. Plate	Anodized	Mechanically fastened		5A651
	Support Angle	L 89mm x 102mm x 7.9mm	Hot Dipped Galvanized			
ACCESS LADDERS						
	INTERIOR ROOF ACCESS SHIPS LADDER					
	Stringer	203x51mm steel channel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		5A655
	Brackets	6x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		5A655
	Treads	Bar Grate w/ Diamond Plate Nosing	Hot Dipped Galvanized	Finish #2, Mechanically fastened		5A655
	Handrails	38mm OD Tube Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		5A655
	CRAWL SPACE ACCESS SHIPS LADDER					
	Stringer	203x51mm steel channel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		5A656
	Brackets	6x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		5A656
	Treads	Bar Grate w/ Diamond Plate Nosing	Hot Dipped Galvanized	Finish #2, Mechanically fastened		5A656
	SUMP PIT LADDERS					
	Fatbar Stringer	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	5A656
	Brackets	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	5A656
	Rungs	25mm Diameter Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	5A656
ARCHITECTURAL WOODWORK						
	VANITY, SINK, CHANGE COUNTER SUPPORTS					
	Base Plate	6mm 152x200mm Steel	primed	Mechanically fastened	Concealed within partitions	5A657, 12A657
	Post	HSS102X102X6.4 Steel	primed	Mechanically fastened	Angles welded to post, HSS anchored to concrete slab	5A657, 12A657
	Horizontal Support Bracket	L51X38X6.4 Steel	primed and painted			5A657, 12A657
	BENCH SUPPORT					
	Support Bracket	6mm Plate Steel	primed and painted	Welded, grind smooth		1A657
	Mounting Plate	6mm X 152x200mm Steel	primed and painted	Countersunk Fastenings		1A657
	ROLLING COUNTER GRILLE SUPPORT					
	Deck Anchor Plates	6mm 152x200mm Steel	primed	Mechanically fastened		5A651 am.
	Post	HSS102X102X6.4 Steel	primed	Mechanically fastened		5A651 am.
	Diagonal Bracing	L51X38X6.4 Steel	primed	Mechanically fastened		5A651 am.
	Track Guides	HSS102X102X6.4 Steel	primed and painted	Mechanically fastened		5A651 am.

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Line Item	Description	Fabricated From	Finish	Hardware & Connections	Notes	Reference
EXTERIOR DOORS						
	AUTOMATIC SLIDING DOORS - OVERHEAD SUPPORT					
	Support Angle	L127x127x7.8 Steel	Hot Dipped Galvanized, painted	welded to steel angle frame and structure	Coordinate with Door and Curtain Wall Manufacturer	
	EXTERIOR STEEL DOOR FRAME JAMBHEAD					
	Support Angle	L127x127x7.8 Steel	Hot Dipped Galvanized	Mechanically fastened		16A500
	EXTERIOR DOOR THRESHOLDS					
	Exterior Door Threshold	6mm Alum. Plate	Anodized	Mechanically fastened		5A651
	Support Angle	89mm x 102mm x 7.9mm	Hot Dipped Galvanized			
ACCESS LADDERS & ELEVATORS						
	INTERIOR ROOF ACCESS LADDERS					
	Fatbar Stringer	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		3A751
	Brackets	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		3A751
	Rungs	25mm Diameter Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		3A751
	Safety Cables	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		3A751
	INTERIOR ROOF ACCESS LADDERS					
	Fatbar Stringer	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		8A751
	Brackets	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		8A751
	Rungs	25mm Diameter Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		8A751
	Safety Cables	9x75 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		8A751
	ELEVATOR PIT LADDER					
	Fatbar Stringer	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		9A751
	Brackets	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		9A751
	Rungs	25mm Diameter Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth		9A751
	SUMP PIT LADDERS					
	Fatbar Stringer	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	2.4A651
	Brackets	9x65 Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	2.4A651
	Rungs	25mm Diameter Steel	Hot Dipped Galvanized	Finish #2, Continuously Welded and Ground Smooth	Refer to mechanical specifications	2.4A651
STAIRS, RAILS, GUARDS						
	HDR1 (HDR1A)					
	Handrail	38mm diameter steel pipe rail tubing	primed and painted		Weld, grind smooth	1A750
	Saddle Bracket	1.5mm Rounded & Curved Steel Plate	primed and painted	Countersunk Fastenings, edges ground smooth		1A750
	Support	15mm Diameter Steel Rod	primed and painted		Weld, grind smooth	1A750
	Wall Mounting Plate	60mm Diameter x 3mm Steel Plate	primed and painted	Countersunk Fastenings	Provide blocking between studs where installed at gypsum wall assembly	1A750
	HDR2 (HDR2A)					
	Saddle Bracket	1.5mm Rounded & Curved Steel Plate	primed and painted	Countersunk Fastenings, edges ground smooth		2A750
	Support	15mm Diameter Steel Rod	primed and painted		Weld, grind smooth	2A750
	Wall Mounting Plate	60mm Diameter x 3mm Steel Plate	primed and painted	Countersunk Fastenings, edges ground smooth	Provide blocking between studs where installed at gypsum wall assembly	2A750
	GDR1 (mounted to precast concrete)					
	Top Rail	50mm x 13mm Steel Flat Bar	primed and painted		Weld, grind smooth	12A750
	Picket	50mm x 13mm Steel Flat Bar	primed and painted		Weld to top rail, grind smooth; Mechanically fastened to Support Angles	12A750
	Precast Support Angles	L 10mm x 75mm x 150mm Steel	primed and painted		Mechanically fastened to precast Slab	12A750
	GDR2 (Bar E)					
	Top Rail	50mm x 13mm Steel Flat Bar	primed and painted		Welded to Structural Steel HSS Posts, grind smooth	10A750
	Picket	50mm x 13mm Steel Flat Bar	primed and painted		Welded to Structural Steel HSS Posts, grind smooth	10A750
	Bottom Rail	L 125mm x 100mm x 13mm Steel	primed and painted		Welded to Structural Steel HSS Posts, grind smooth	11A750
	Bottom Rail	L 125mm x 100mm x 13mm Steel	primed and painted		Welded to Structural Steel HSS Posts, grind smooth	10A750
	GDR3 (mounted to steel stringer - Stair C)					
	Top Rail	38mm x 10mm Flat Bar	primed and painted		Weld, grind smooth	4A750
	Picket	20mm Diameter Steel Rod	primed and painted		Weld to steel stringer, grind smooth	4A750
	GDR4 (mounted to deck edge)					
	Top Rail	50mm x 13mm Steel Flat Bar	primed and painted		Weld, grind smooth	1A750
	Picket	50mm x 13mm Steel Flat Bar	primed and painted		Weld, grind smooth	1A750
	Deck Edge Support	13mm built-up welded T-shape Plate Steel	primed and painted		Mechanically fastened to slab edge	1A750
	STAR A ROOF ACCESS SECURITY GRILLE AND GATE					
	Top, Bottom and Intermediate Rails	38mm x 10mm Flat Bar	primed and painted		Weld, grind smooth	1A750
	Picket	38mm x 10mm Flat Bar	primed and painted		Weld, grind smooth; Mechanically Fasten to Precast Slab	4A750
	Gate Frame Perimeter, Jamb and Header	38mm x 10mm Flat Bar	primed and painted		Weld, grind smooth	4A750
	Hang lock	5mm steel plate	primed and painted		Mechanically fastened to Jamb and Gate Frame	
	Hinges	Stainless Steel Security Bolt Hinges	Grade 304 Stainless		Mechanically fastened to Jamb and Gate Frame	
	Bar Latch	5mm steel plate	primed and painted		Mechanically fastened to Jamb and Gate Frame	
	STAR C					
	Stringer	HSS 304mmx50mm	primed and painted		Welded, grind smooth	5A750
	Pans and Risers	3.2 Bent Steel Plate	primed and painted		Welded, grind smooth	5A750
	Tread Support Angles	L51x51 Angles	primed and painted		Welded, grind smooth	4A750
	Landing	6mm Steel Plate	primed and painted		Welded, grind smooth	6A750
	STAR E					
	Stringer, Treads, Guard Posts	Refer to structural	primed, painted at all exposed faces		Welded, grind smooth	8A750
	Risers	1.5mm Perforated steel plate	primed and painted		Welded, grind smooth	7A750
ARCHITECTURAL WOODWORK						
	BENCH SEATING					
	Armrests	6mm x40mm Bent Stainless Steel Bar	brushed		Countersunk Fastenings	6.7A653
	Seating Support - Changerooms & Showers	L69x51x4.8 Stainless Steel	brushed		Mechanically fastened	Applicable to Wet Areas, 9.15.11A653
	Seating Support - Typical	L69x51x4.8 Steel	primed and painted		Mechanically fastened	Dry areas in Corridors, Triple Gym
	VANITY & SINK SUPPORTS					
	Base Plate	6mm 152x200mm Steel	primed		Mechanically fastened	Concealed within partitions
	Post	HSS102X102X6.4 Steel	primed		Mechanically fastened	Angles welded to post, HSS anchored to concrete slab
	Horizontal	L51X38X6.4 Steel	primed and painted			1.2.3A653
	Mounting Plate	6mm 152x200mm Steel	primed and painted		Countersunk Fastenings	
	ACCESSIBLE KITCHEN WORK ZONE COUNTER SUPPORTS					
	Base Plate	6mm 152x200mm Steel	primed		Mechanically fastened	
	Post	HSS102X102X6.4 Steel	primed		Mechanically fastened	Posts and Baseplates concealed within partitions
	Horizontal	L51X38X6.4 Steel	primed and painted		Angles welded to post, HSS anchored to concrete slab	Located where countertop spans exceed 1200mm
	Mounting Plate	6mm 152x200mm Steel	primed and painted		Countersunk Fastenings	
	MRF STORAGE DOOR SUPPORT					
	Base Plate	6mm 152x200mm Steel	primed and painted		Mechanically fastened	15A650 A504
	Post	HSS102X102X6.4 Steel	primed and painted		Horizontally welded to post, HSS anchored to concrete slab	15A650 A504
	Horizontal	HSS102X102X6.4 Steel	primed and painted		Welded, grind smooth	15A650 A504
	Mounting Plate	6mm 152x200mm Steel	primed and painted		Countersunk Fastenings	15A650 A504
	Diagonal Bracing	L51X38X6.4 Steel	primed and painted		Mechanically fastened	15A650 A504
	RECEPTION DESK SUPPORT					
	Post	75mm Diameter Steel	Powder Coated		Countersunk Fastenings	Located where spans exceed 1200mm
	Plate	6x300x100 Steel	Powder Coated		Countersunk Fastenings	1A801, 5A801
	Leveling Foot	25mm Diameter Steel	Powder Coated		Countersunk Fastenings	1A801, 5A801
	Edge Angle	L44x44x4.8 Steel	Powder Coated		Countersunk Fastenings	1A801, 5A801
	ROLLING COUNTER GRILLE SUPPORT					
	Deck Anchor Plates	6mm 152x200mm Steel	primed		Mechanically fastened	5A851
	Hanger Posts	HSS102X102X6.4 Steel	primed		Mechanically fastened	5A851
	Diagonal Bracing	L51X38X6.4 Steel	primed		Mechanically fastened	5A851
	Track Guides	HSS102X102X6.4 Steel	primed and painted		Mechanically fastened	2A851
MISCELLANEOUS INTERIOR						
	FIRE SHUTTER GUIDE SUPPORT					
	Base Plate	152x200x6.4 Steel	primed		Mechanically fastened	10A650 A504
	Post	HSS 152 x 78 x 6.4 Steel	primed		Mechanically fastened	2A551
	Lateral Bracing	L51X38X6.4 Steel	primed		Mechanically fastened	Brace back to building structure as required
	TRX SUPPORT					
	Deck Anchor Plates	152x152x6.4 Steel	primed		Mechanically fastened to deck above	A211
	Hangers	HSS102X102X6.4 Steel	primed		Mechanically fastened	A211
	Cap Plates	152x152x6.4 Steel	primed, painted		Welded to HSS	A211
	TRX Mount Anchors	Per manufacturer	Per manufacturer		Countersunk Fastenings to Cap Plate	A211

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Issue No. Date Description
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