

DETENTION DOORS SPECIFICATIONS

COMPONENT	SPECIFICATIONS
Face Sheets	12-gauge, commercial-quality, hot-rolled, pickled, and oiled sheet steel conforming to ASTM A1011-A1011M
Exterior Face Sheets	12-gauge, commercial-quality, galvaneal steel conforming to ASTM A653-A653M
Ribs	Commercial-quality, cold-rolled sheet steel conforming to ASTM A1008-A1008 16-gauge vertical ribs spot-welded to face sheets at 3" on center, maximum Voids between stiffeners filled with 8-pound density insulation unless directed otherwise
Pull Reinforcement	ASTM A36-87 Flat Bar 3/16" x 1 1/2" x 10" long
Hinge Reinforcement	ASTM A36-87 Flat Bar 1/4" x 1 1/2" x 10" with 10-gauge x 3/4" x 6" long reinforcing channel welded to top hinge
Formed Members	Commercial-quality, hot-rolled, pickled, and oiled sheet steel conforming to ASTM A1011-A1011M Gauge as noted on sections
Glass Stops	1 1/4" x 1 1/4" x 10-gauge "Z" type stops fastened with 1/4-20 x 1/2" long button head Torx with pin security screws located 2" from ends and 6" on center maximum
Lock Pocket	Door-mounted lock pocket, mortised or flush-type application with 12-gauge steel reinforcement
Swing Doors	1/8" clear at head, jambs, and meeting edge unless noted otherwise
Sliding Doors	Actual door sizes per approved sliding device templates
Undercuts	As noted on door elevations
Finish	Post-fabrication sanding on both faces and vertical edges to remove blemishes where required Chemically cleaned and treated to accept one shop coat of rust-inhibitive primer (2 mil minimum)

DETENTION FRAMES SPECIFICATIONS

COMPONENT	SPECIFICATIONS
Face Sheets	12-gauge, commercial-quality, hot-rolled, pickled, and oiled sheet steel conforming to ASTM A1011-A1101M
Exterior Face Sheets	12-gauge, commercial-quality, galvanized steel conforming to ASTM A653-A653M
Hinge Reinforcement	ASTM A36-87 Flat Bar. 3/16" x 1 1/2" x 10" long Additional 1" x 1" x 3/16" x 2" long angle welded to the top of each
Jamb-Mounted Lock Cover Plate	Lock-column cover plates are ASTM A36-87 sheet steel, 7-gauge (unless noted otherwise by hardware template) x the size required Fastened with 1/4-20 x 1/2" long flat head Torx w/pin security screws (maximum 8" on center)
Strike Tabs	7-gauge x 1 1/2" x 2 1/2" long and offset as required
Glass Stops	1 1/4" x 1 1/4" x 10-gauge angle stops fastened with 1/4-20 x 1/2" long button head Torx w/pin security screws located 2" from ends and 6" on center maximum
Spreader Bars	One per door opening welded to feet of both jambs to serve as a brace during shipping and handling and to be removed along with all associated welds before installation See HMMA 840-99, "Installation and storage of hollow metal doors and frames" for additional information
Concealed Closer Cover Plates	When required, sized to fit cutout, same gauge as frame Shipped loose, bundled in groups, and tagged
Anchors	See elevations for types required See anchor details for typical information Located 3 per jamb up to 7'-6" and one additional for each 16"
Conduit	1/2" diameter (minimum) EMT conduit from lock pocket to door position switch where required One 3/4" diameter knockout hole for EMT conduit connector at top and bottom of lock pocket or strike box for field tie-in Knockout holes are shipped factory sealed; however, during shipping, shakeout, or installation, knockouts may be inadvertently punched out with the responsibility of the contractor to plug any holes that may be breached
Sidelites	1/2" diameter (minimum) EMT conduit from lock-pocket to door-position switch where required One 3/4" diameter EMT stub-out to frame perimeter where field access to knockouts at lock pocket or strike box is not possible

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Field Splices	Frame field splices are subject to change due to engineering / manufacturing requirements The contractor responsible for installation provides welding and finishing of all field joints between faces of abutted members
Finish	Post-fabrication sanding to remove blemishes Chemically cleaned and treated to accept one shop coat or rust-inhibitive primer (2 mil minimum)