Tornado Resistant Openings



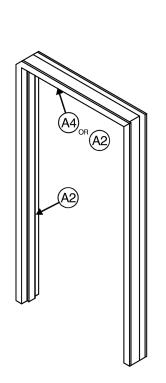
Rocky Mountain Metals, Inc. offers a complete line of certified and labeled Tornado Openings FEMA 361/ICC 500 Compliant Opening Configurations. These openings are tested as complete assemblies including doors, frames and hardware. Initially the Rocky Mountain Metals, Inc. solutions are certified and labeled with Securitech hardware. This program is under continued development. For up to date information contact Rocky Mountain Metals, Inc.

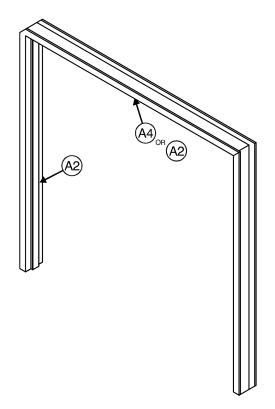
The offerings consists of openings of up to 8 ft. in width and 9 ft. in height for double doors and 4 ft. in width and 9 ft. in height for single doors.

Frame Details

Face Material Face thickness	Galvannealed A40 or A60 ASTM-A-653 14 Ga.
Construction	Hollow metal with 18 Ga. vertical steel stiffeners (ribs). Space between ribs
	insulated with glass wool insulation
Door thickness	1 3/4"
Reinforcements	7 Ga. 1 1/4" x 10" joggled hinge reinforcement, drilled and tapped
	12 Ga. mortise hardware tabs, drilled and tapped
	14 Ga. surface hardware and trim reinforcement, drilled and tapped
Edge reinforcement	t Horizontal and vertical edges reinforced with 12 Ga. (min) full length channels spot welded to the face sheets
Vertical edges	Fully welded with no visible seam (for doors up to 10' height and 4' width)
Handing	Doors are handed
Appearance	Faces and edges free of defects, warp and buckle
Finish	Thoroughly cleaned and coated with a rust inhibiting primer meeting requirements as per ANSI/SDI A250.10

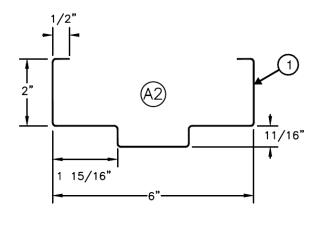
Tornado Resistant Openings—Frames

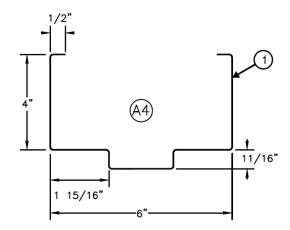




TYPICAL SINGLE HOLLOW METAL FRAME







1400 Door for Tornado Resistant Openings

Face Material Face thickness Construction Door thickness Reinforcements Edge reinforcemen Vertical edges Handing Appearance Finish	Galvannealed A40 or A60 ASTM-A-653 14 Ga. Hollow metal with 18 Ga. vertical steel stiffeners (ribs). Space between ribs insulated with glass wool insulation 1 3/4" 7 Ga. 1 1/4" x 10" joggled hinge reinforcement, drilled and tapped 12 Ga. mortise hardware tabs, drilled and tapped 14 Ga. surface hardware and trim reinforcement, drilled and tapped nt Horizontal and vertical edges reinforced with 12 Ga. (min) full length channels spot welded to the face sheets Fully welded with no visible seam (for doors up to 10' height and 4' width) Doors are handed Faces and edges free of defects, warp and buckle Thoroughly cleaned and coated with a rust inhibiting primer meeting requirements as per ANSI/SDI A250.10
FEMA3 ICC 500	
(1) (2) (3) (4) (5) (6) (7) (8) (9) (1)	KEYED NOTES: 14 GA A40 GALVANNEALED SHEETS 14 GA A40 GALVANNEALED SHEET RIBS 12 GA ANGLE CHANNEL LOCK SIDE 12 GA ANGLE CHANNEL HINGE SIDE. 14 GA CLOSED REINFORCEMENT 4" X 24" FLAT 14 GA CLOSED REINFORCEMENT 4" X 24" FLAT 14 GA. AT LOCK SIDE 4" X VARIES FLAT 14 GA. AT LOCK SIDE 4" X VARIES FLAT 16 GA. TLOCK SIDE 4" X VARIES FLAT 16 CONTINUOUS EDGE WELD. 100% PENETRATION. FIRST RIB LOCK EDGE 7" IN SET/OTHER 6" ON CENTER