

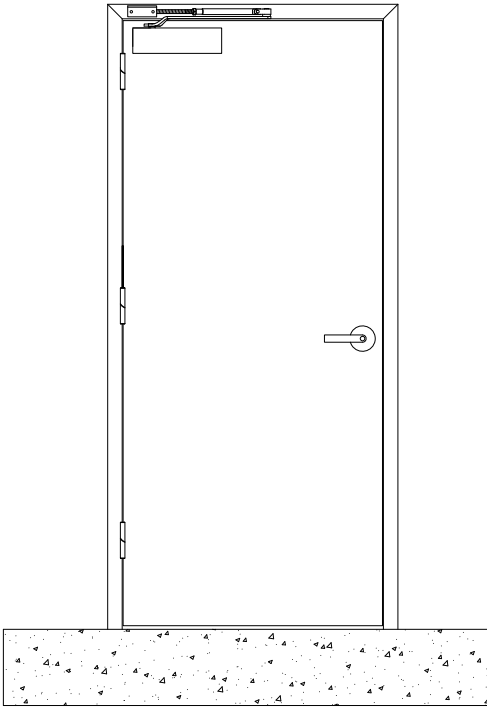
FEATURES AND BENEFITS:

MegaFreq/MegaSonic Models "40 dB to 60 dB" & "60 dB to 100 dB" STC Series Doors are made from unprimed 430 2B Stainless Steel and offer the following standard unique features, which provides long term security performance and durability:

- 1. Heavy Duty 1/4" thick Hinge Brackets are resistance welded and mig-welded into our full perimeter hinge channel which keeps our doors hanging straight and strong, "no-sagging". Heavy Duty Cam-Lift Hinges** (Supplied by MegaMet) force the adjustable fixed Door Bottom seal to compress against and seat down on top of our welded-in saddle type threshold.
- 2. Full perimeter 14-gauge channels** (standard) with extra-long legs are not only welded to Door skins with resistance bridge welder, but also is Seam-welded to Door skins with Mig-guns to provide superior structural support and stability the full height of Door. Available edge options include:
 - **Seamless Welded Vertical Edges** (standard) – edge seam includes 1" long center seam Mig-welds every 6" full height and epoxy filled then finish smooth.
 - **Continuously Welded Vertical Edges** – (optional) edge seam is continuously Mig-welded and finished smooth.
- 3. Door Bottom features** our exclusive integral RFI/EMI metal mesh gasketing which works in combination with our thick concealed door bottom STC seal that's adjustable, and removable. Once locked fixed-in-place provides the hybrid solution you're looking for.
 - **3/4" height adjustment up & down and side to side height adjustment allows for most additional flooring material, as well as uneven floors**
 - **In the case of in-the-field Seal damage, the Door Bottom is removable through edge of door, without having to take the Door down off hinges**
- 4. LEED friendly Hybrid Door Core features** our exclusive sophisticated combination of perforated metal, hat shaped baffles, acoustical insulation, and our recycled acoustical membrane, all assembled by hand, in the Heart-of-Dixie, by our esteemed MegaTeam, does the trick of absorbing a wide range of sound and RFI/EMI frequencies.
- 5. Beveled Lock Edge** allows for tighter installation tolerances, smooth operation and helps eliminate binding.

SPECIFICATION COMPLIANCE:

- Door construction for MegaFreq/MegaSonic 40 dB to 60 dB & 60 dB to 100 dB Full Flush STC Doors meets the requirements of:
 - IEEE-299 up to 100 dB of attenuation
 - ASTM E90 & E413 up to an operable STC 56
 - Mil Std 285
 - Mil Std 188-125-1
 - NSA 94-106
 - NSA 73-2A
 - ASTM D4935
 - MIL-HDBK-1995
 - HMMA 865
 - ANSI/SDI A250.10 & A250.11
- Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003. Locations are in accordance with ANSI/DHI A115 unless otherwise stated.



ABOUT THE PRODUCT:

MegaFreq/MegaSonic door assemblies are designed to provide EMI/RFI shielding from 40 dB to 100 dB of attenuation at a frequency spectrum of 10 kHz to 10 GHz, as well as STC sound deadening capability of up to STC 56. This performance was proven using the latest IEEE-299 and E-90 test standards.

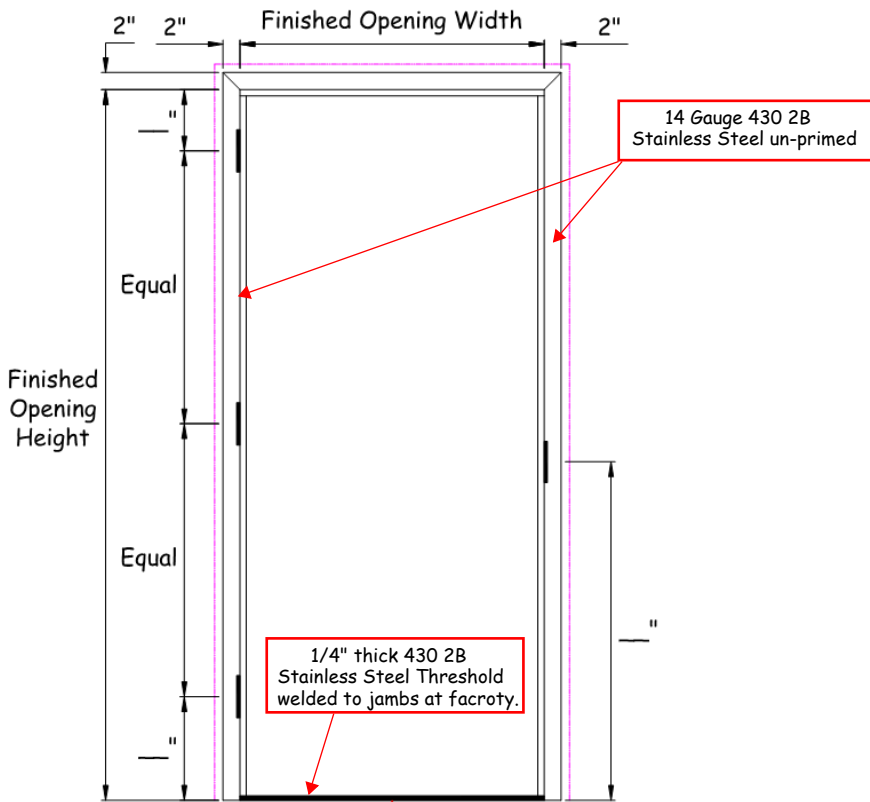
MegaFreq/MegaSonic door assemblies consist of: Door, Door Frame, Cam-Lift Hinges, solid Stainless Saddle-Type threshold welded in place at jamb bottoms, and all STC, EMI/RFI shielding and acoustical gasketing required to meet our tested ratings. Locks, Closers are supplied by our clients, or are supplied by us (including DoD Safe Rooms), other hardware accessories are by our clients. Factory computerized "NC" Builders' Hardware preparations are available when templates are provided.

Hybrid versions of MegaFreq door assemblies can be manufactured for multiple performance requirements including, bullet resistant up to Level 8, and many blast resistant pressure variables or combination thereof.

INSTALLATION:

- Installation shall conform to the published MegaMet's installation instructions as well as HMMA 840 document, posted on our website www.megametusa.com and, <http://www.naamm.org/store/product/10/guide-specifications-for-installation-and-storage-of-hollow-metal-doors-and-frames> and, <http://www.naamm.org/store/product/54/painting-hollow-metal-products>
- Fire Rated assemblies must be installed in accordance with NFPA 80. MegaFreq/MegaSonic Models 40 dB to 60 dB & 60 dB to 100 dB STC Series Doors meet the broadest fire rating requirements. Listings for installations are compliant to both neutral pressure testing (ASTM E152 and UL-10B) and positive pressure standards (UL-10C). Fire ratings range from 1/3 to 3 hour.
- The use of High or Semi-Gloss Paints are NOT recommended. If painted finish is desired, Direct to Metal paint approved for Stainless Steel is required.

Frame Elevation



Threshold Grounding Flange Is Available For Modular Buildings

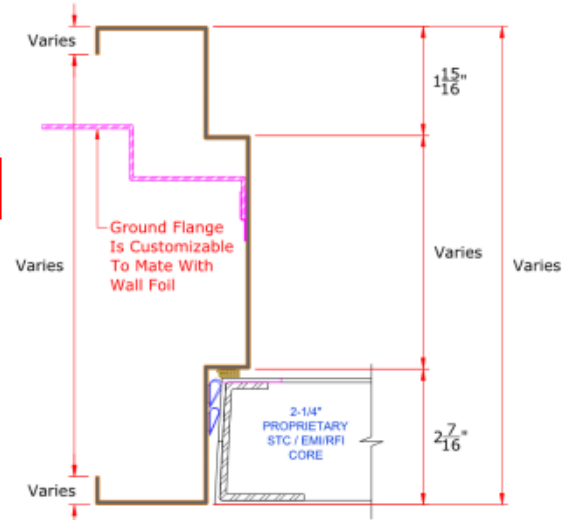
FRAME SIZING OPTIONS

Frame Profile

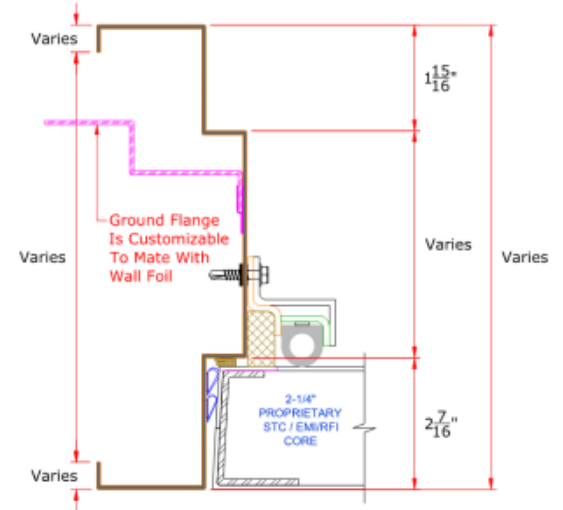
SERIES	MAXIMUM OPENING SIZE		JAMB DEPTH AVAILABILITY (profile)				STANDARD PROFILE DIMENSIONS (Variations Available)			CORNERS
	Single	Pair	M		KERF		FACE	STOP	RETURNS	STANDARD
			DOUBLE RABBET	DOUBLE RABBET	DOUBLE RABBET	DOUBLE RABBET				
			Minimum	Maximum	Minimum	Maximum				
40 to 60 dB *14ga.	5'-0" x 12'-0" (1524mm x 3607mm) ***	10'-0" x 12'-0" (3084mm x 3607mm) ***	N/A	N/A	N/A	N/A	2" (51mm)	3/4" (19mm)	1/2" (13mm) **	DIE MITERED With concealed tabs interlocking head & jamba
60 to 100 dB *14ga.	5'-0" x 12'-0" (1524mm x 3607mm) ***	10'-0" x 12'-0" (3084mm x 3607mm) ***								

* 14 gauge is standard material for all MegaFreq Assemblies, heavier gauge not available
 ** except at 5 3/4" (146mm) Jamb Depth, which is 7/16" (11mm)
 *** call factory for larger size availability

40 dB to 60 dB



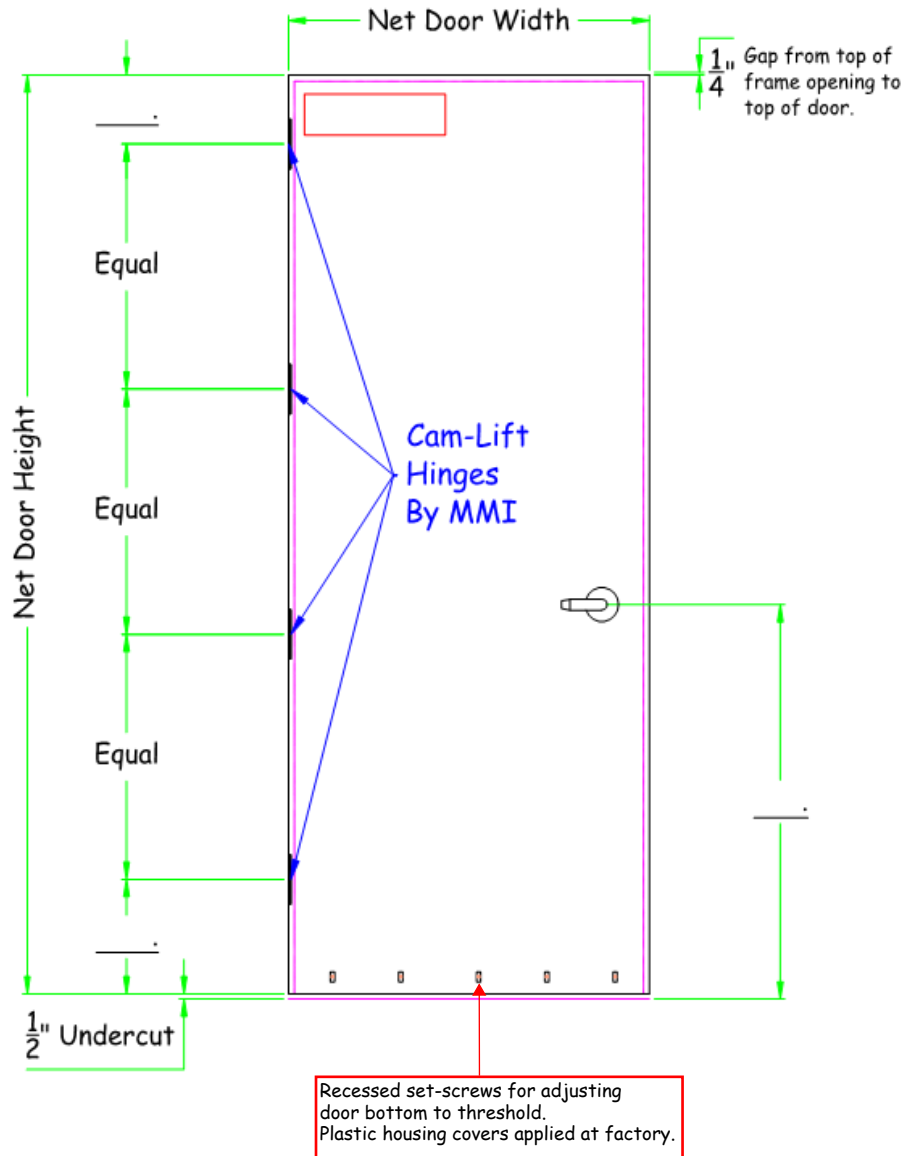
Frame Profile 60 dB to 100 dB



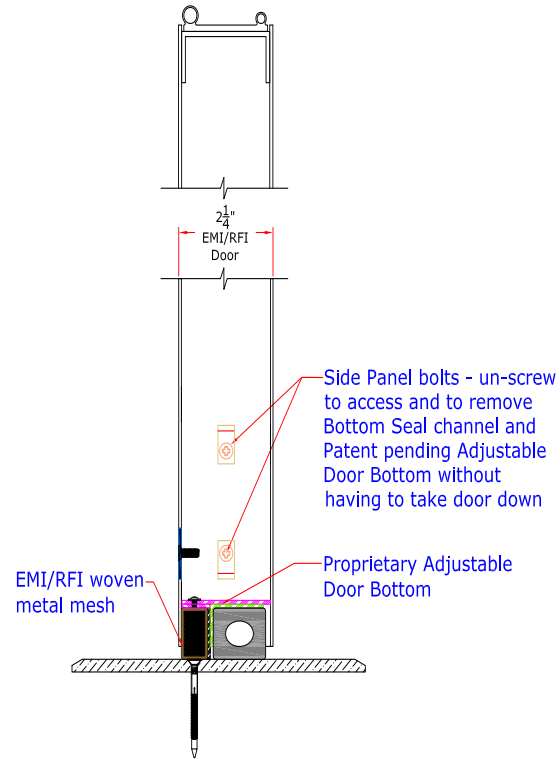


MegaFreq Door Series	Door Thickness	Hardware Recommendations	Fire Testing & Ratings	Building Design (Fire-Safety-Accessibility)
40 dB to 60 dB 60 dB to 100 dB	2-1/4"	ASTM E90 ANSI S12.60 ASTM E413 ICD-705 (SCIF) ASTM E1332 SDI-128 ASTM E1408	UL-10C NFPA 252 UL-10B NFPA 257 UL Subject 63 HMMMA 850	NFPA 80 NFPA 101 ANSI A117.1

Door Elevation



Vertical Detail



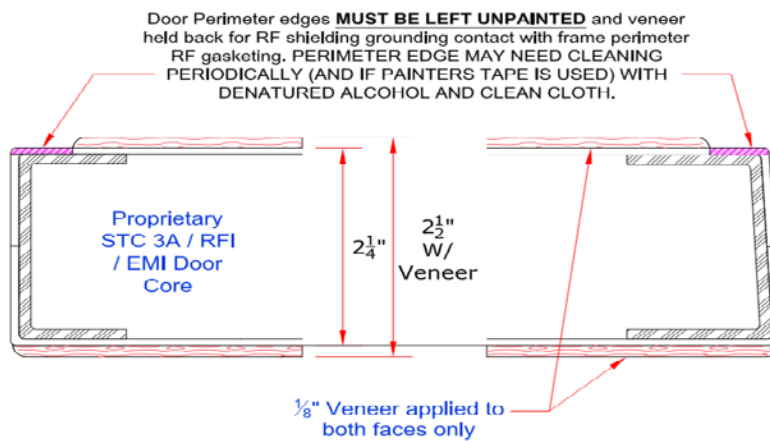
Project Designs Requiring Wood Veneer and Plastic Laminate:

If the design elements of your project requires the continued look of wood veneer on our MegaFreq Doors, then MegaMet can readily provide it for you. Exotic species from Anegre to Zebrawood, or more common veneers such as Rotary Natural Birch and Plain Sliced Red Oak will be expertly applied by our esteemed MegaTeam.

Standard veneer lay-ups of:

- running match
- book matched
- balance matched
- random match

Most solid or patterned plastic laminate can be applied to most MegaMet's Door line offerings of standard and specialty doors. 1/8" thick High Impact plastic is required.



STC\RFI\EMI Double Doors Design w\out Mullion:

To meet the requirements allowing the use of lever sets and due to our patent pending concealed door bottom, the use of flush bolt (at top only) and surface bolt at bottom is recommended.

Double Doors Meeting Edges without Mullion

