Tech 303
Steel Stiffened Doors
## Technical Data
### Steel Stiffened Doors

| Industry Standards | HMMA 861 Vertically Steel Stiffened Hollow Metal Door  
| | ANSI A250.4 Level A Physical Endurance Levels of Doors & Frames  
| | ANSI A250.6 Recommended Practice for Hardware Reinforcing  
| | ANSI A250.8/SDI 100 Specifications for Standard Steel Doors & Frames  
| | ANSI A250.10 Test Procedure & Acceptance Criteria for Prime Painted Steel |
| Size | Maximum Size: 5'0" X 10'-0" Nominal (see oversize door page)  
| | Actual Width = Nominal - 1/4"  
| | Actual Height = Nominal - 3/4" (5/8" undercut) |
| Core | 22 Gauge (0.026 min) Stiffeners Spot Welded to Face Sheets  
| | Additional Gauge Options Available Upon Request  
| | Stiffeners Are Equally Spaced With 6" Between Each Set  
| | 2.5 lb Density Mineral Fiber Between Stiffeners |
| Face Skin Options | 18 Gauge (0.042 min) - ANSI A250.8/SDI 100 Level 2 (Standard Duty)  
| | 16 Gauge (0.053 min) - ANSI A250.8/SDI 100 Level 3 (Heavy Duty)  
| | 14 Gauge (0.067 min) - ANSI A250.8/SDI 100 Level 4 (Extra Heavy Duty) |
| Material Type | Cold Rolled Steel - ASTM A1008  
| | A60 Galvannealed - ASTM A653  
| | G90 Galvanized - ASTM A653 (not recommended)  
| | Stainless Steel Type 304/316 with #4 Finish |
| Edge Type | Bevel Hinge & Lock Edge - 1/8" over 2" (Standard)  
| | Square Edge (optional) |
| Edge Seam | Seamless - Bondo (Standard) - ANSI A250.8/SDI 100 Model 2  
| | Seamless - Continuous Welded (Optional) - ANSI A250.8/SDI 100 Model 2  
| | Open Seam (Optional) - ANSI A250.8/SDI 100 Model 1 |
| Top Channel | 16 Gauge (0.053 min)  
| | Inverted (standard), flush (optional), water tight seal (optional)  
| | Projection Welded |
| Bottom Channel | 16 Gauge (0.053 min)  
| | Inverted (standard), flush (optional)  
| | Projection Welded  
| | Weep Hole Provided |
| STC Rating | STC 33-47  
| | Consult Tech 403 for Additional Data |
| Fire Rating | Up To 3-Hour (consult label section)  
| | Maximum Size: 4'-0" X 10'-0" Nominal  
| | UL 10C, UL 9, UL 1784 |
| Thermal Values | Flush 18 Gauge Door - R-Value = 1.75, U-Factor = 0.57  
| | Flush 16 Gauge Door - R-Value = 1.71, U-Factor = 0.58  
| | Flush 14 Gauge Door - R-Value = 1.78, U-Factor = 0.56  
| | ASTM C1363, ASTM E1423, ASTM EC1199, SDI 113 |
| Warranty | One Year (365 days) from the date of delivery |
| Endurance | ANSI A250.4 Test Procedure & Acceptance Criteria for Steel Doors & Frames  
| | Tested by Intertek Testing Services - Report #3195456MID-002  
| | Passed for Level A - One Million Cycles |
| Reinforcements | Hinge - 7 Gauge (0.167 min)  
| | Cylindrical Lock (Govt 161) - 16 Gauge (0.053 min)  
| | Mortise Lock (Govt 86) - 11 Gauge (0.108 min)  
| | Flush Bolts - 11 Gauge (0.108 min)  
| | Surface Bolts - 14 Gauge (0.067 min)  
| | Surface Closer - 14 Gauge (0.067 min)  
| | Surface Holder/Stop - 14 Gauge (0.067 min)  
| | Pull Plates/Bars - 14 Gauge (0.067 min)  
| | Surface Applied Exit Devices - 14 Gauge (0.067 min)  
| | Pivots - 7 Gauge (0.167 min) |