1-3/4" 450° MEDALLION
TEMPERATURE RISE RATED DOORS, POSITIVE PRESSURE
VERTICALLY STEEL STIFFENED, CENTER SEAM
BEVELED LOCK, HANDED

Designed to Take Extreme People punishment...
Complies with NAAMM Specifications. 22 gage steel stiffeners placed 6" apart and welded every 5" along their length. Center seam edges. Rock wool insulated. An inorganic thermal barrier bonded to stiffeners.

Suggested Use:
Stairwells...
- Schools/Training Centers
- Institutional Facilities
- Public Utility Stations
- Government Buildings
- Warehouses/Factories
- Manufacturing Plants
- Transportation Terminals
- Vehicle Service Facilities

8 lb. DENSITY ROCK WOOL BETWEEN STIFFENERS

INORGANIC THERMAL BARRIER APPLIED TO STIFFENERS

FLUSH DESIGNS

F
V
N ___
Hardware locations shown match Ceco standard frames.

DOOR ELEVATION

VERTICAL SECTION

HORIZONTAL SECTIONS

Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.4 mm

OVERLAPPING ASTRAGAL
4441
FOR 1-3/4" THICK DOORS

OVERLAPPING ASTRAGAL
4471
FOR 1-3/4" THICK DOORS

OVERLAPPING ASTRAGAL
4491 (OPTIONAL)
FOR 1-3/4" THICK DOORS

Experience a safer and more open world

RETURN TO TOP
**TECH-DATA 450° MEDALLION DOORS**

**16 GAGE STEEL END CHANNELS**

- Welded to both face sheets
- Inverted top and bottom

Optional top and bottom caps are available.

**VERTICAL EDGES**

- Visible edge seam (standard)
- Filled edge seam (optional)
- Welded seamless edge (optional)

Welded seamless edge for doors over 10' in height.

**CLOSER REINFORCEMENT (OPTIONAL)**

- 14 gage steel channel 20" long

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

**LOCK PREPARATION**

- Gov. 160/161 cylindrical type
- (LC1)
  - ANSI A115.2
  - 2-3/4" backset

**HINGE PREPARATION**

4-1/2 or 5 in. high, standard or heavy weight, full mortise hinges

- ANSI 156.7 template
- Hinge edge is handed and square
- 14 ga. doors require heavy weight full mortise hinges

**LOCK EDGE IS BEVELED 1/8" IN 2" (1:16)**

**LOCK PREPARATION**

- Gov. 86, ANSI/BHMA A115.1 mortise type
- (LMO)

**STANDARD GLAZING TRIM**

4884 (FLUSH)

- 3/8" wide glazing pocket

**OPTIONAL GLAZING TRIM**

- Slim Trim

**Notes:**

- Glazing: Only labeled, fire glazing material should be used. Glass and glazing are by glazing contractor.

- Other Hardware preparations: 450° Medallion doors can be prepared for listed: locks, latches, fire exit hardware, bolts (surface, flush, auto, etc.), concealed closers, and electronic hardware in accordance with procedures of specific labeling agency.

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TECH-DATA

450° MEDALLION DOORS

STANDARD SIZES

<table>
<thead>
<tr>
<th>NOMINAL DOOR OPENING</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE</td>
<td>2'-0&quot;</td>
<td>6'-8&quot;</td>
</tr>
<tr>
<td>DOUBLE</td>
<td>2'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>2'-6&quot;</td>
<td>7'-2&quot;</td>
</tr>
<tr>
<td></td>
<td>2'-8&quot;</td>
<td>7'-10&quot;</td>
</tr>
<tr>
<td></td>
<td>2'-10&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>3'-0&quot;</td>
<td>9'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>3'-4&quot;</td>
<td>10'-0&quot;</td>
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<tr>
<td></td>
<td>3'-6&quot;</td>
<td>11'-0&quot;</td>
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<td>3'-8&quot;</td>
<td>12'-0&quot;</td>
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<td></td>
<td>4'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>4'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>5'-0&quot;</td>
<td>10'-0&quot;</td>
</tr>
</tbody>
</table>

FIRE DOORS

LABELING AGENCIES:
- UNDERWRITERS LABORATORY
- Warnock Hersey

TEST: UL 10B, UL 1OC, UL 1784, & NFPA 252
- RATING: 20 MIN THRU 1-1/2 HR
- MAX. SIZE: 4'0" x 9'0" SINGLE (WH & FM)
  8'0" x 9'0" PAIR (WH & FM)
  4'0" x 10'0" SINGLE (UL)
  8'0" x 10'0" PAIR (UL)
  4'0" x 10'0" SINGLE (UL)
  8'0" x 10'0" PAIR (UL)

Not all ratings are available in all sizes, designs and materials. See Fire Door sheet.

PRODUCT SPECIFICATIONS:

1-3/4" Thick steel doors shall be by Ceco Door Products. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8 and NAAMM specifications. See chart below for performance classifications.

450° MEDALLION doors are center edge seam design. Face sheets are commercial quality cold rolled steel (conforming to ASTM A1008...or (optional) hot-dipped galvannealed or galvanized steel (conforming to ASTM A924 and A653) - see chart below.

Door face sheets are joined at their vertical edge with a center seam the full height of door (optional welded seamless design). Doors over 10'-0" in height will have welded seamless edge. 22 gage steel vertical stiffeners (other gages optional) are placed no more than 6" apart and welded to both face sheets no more than 5" on center along their length. An inorganic thermal barrier is bonded to the stiffeners. Rock wool insulates the area between stiffeners. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets.

Hardware Provisions: Hinge preparations are handed. The hinge edge is square. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gage steel reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock has a standard bevel (1:16). Lock edge is prepared for Gov. series 86, 160/161, or 90 locks in accordance with ANSI A115 (specify which). Optional closer reinforcement is a 14 gage steel plate.

Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting.

MATERIAL

<table>
<thead>
<tr>
<th>DOOR FACE SHEETS</th>
<th>LEVEL</th>
<th>C.R.</th>
<th>GALV A60</th>
<th>GALV G90</th>
<th>RECOMMENDED DOOR FRAME MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 Gage Steel</td>
<td>Heavy Duty</td>
<td>STD</td>
<td>OPT</td>
<td>OPT</td>
<td>16 Gage Steel</td>
</tr>
<tr>
<td>16 Gage Steel</td>
<td>Extra heavy Duty</td>
<td>STD</td>
<td>OPT</td>
<td>OPT</td>
<td>16 or 14 Gage Steel</td>
</tr>
<tr>
<td>14 Gage Steel (MAXIM)</td>
<td>Maximum Duty</td>
<td>STD</td>
<td>OPT</td>
<td>OPT</td>
<td>16 or 14 Gage Steel</td>
</tr>
</tbody>
</table>

Doors over 4'0" wide and/or over 10'0" tall are available only in 16 or 14 gage A60 steel.

PERFORMANCE

- Sound Transmission: STC 41 (F Design, 16 Gage Face Sheets, ASTM E90 & E413 [Fully Operable])
- Physical Endurance Level: Meets ANSI A250.4 Performance Test, Level A (1,000,000 Cycles)

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)