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

RETURN TO TOP
16 GAGE STEEL END CHANNELS

WELDED TO BOTH FACE SHEETS

INVERTED TOP AND BOTTOM

OPTIONAL TOP AND BOTTOM CAPS ARE AVAILABLE

CLOSER REINFORCEMENT (OPTIONAL)

14 GAGE STEEL CHANNEL 20" LONG

VERTICAL EDGES

16 Gage Full Height Channel

Visible Edge Seam (Standard)
Filled Edge Seam (Optional)
Welded Seamless Edge (Optional)

14 GAGE STEEL WELDED SEAMLESS (ONLY)

LOCK PREPARATION

GOV. 160/161 CYLINDRICAL TYPE

(LC1)
(ANSI A115.2)
2–3/4"
BACKSET

(CONVERSION: 1" = 25.4 mm, E.G., 1–3/4" = 44.45 mm)

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

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 PREPARATION

GOV. 86, ANSI/BHMA A115.1 MORTISE TYPE

(LMO)

NOTE: EITHER OF THE LOCK REINFORCEMENTS/ GUARDS SHOWN MAY BE INSTALLED WITH ANY MORTISE LOCK PREPARATION.

STANDARD GLAZING TRIM

4884 (FLUSH)

3/8" WIDE GLAZING POCKET

See Note 1

OPTIONS GLAZING TRIM

SlimTrim

3/8" WIDE GLAZING POCKET

BEVELED GLAZING BEAD

Notes:

1. Field applied caulk is recommended on this seam to improve esthetics and resist water intrusion.
2. Drawing Not to Scale

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.
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 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 seamless design). 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.

<table>
<thead>
<tr>
<th>DOOR FACE SHEETS</th>
<th>LEVEL</th>
<th>C.R.</th>
<th>GALV A60</th>
<th>G90</th>
<th>RECOMMENDED DOOR FRAME MATERIAL</th>
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<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>
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</tr>
</tbody>
</table>

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