1-3/4" LEGION (LP) POLYSTYRENE CORE DOORS
FLUSH PANEL STEEL DOORS
BEVELED LOCK EDGE, HANDED

POLYSTYRENE SLAB, BONDED TO THE INSIDE OF BOTH FACE SHEETS WITH A WATERPROOF, CONTACT ADHESIVE.

SUGGESTED USE:
INTERIOR OR EXTERIOR...
OFFICE
MOTEL/HOTEL
APARTMENT
CONDOMINIUMS
DORMITIES
URBAN RENEWAL
HEALTH CARE
INSTITUTIONAL
MERCANTILE
PUBLIC UTILITY
FACTORY
WAREHOUSE

EMBOSSED PANEL DESIGNS:
6 PANEL
CROSSEBUCK

HIGH DEFINITION EMBOSSED PANEL DESIGNS:
1 PANEL
2 PANEL

DOOR DESIGNS

F
G
G2
G3
V
N___
N___
GLB

LB
LD
LT

DDT
DDB

DUTCH V, G, & N
DESIGNS AVAILABLE

<table>
<thead>
<tr>
<th>1 PANEL</th>
<th>2 PANEL</th>
<th>6 PANEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. SIZE</td>
<td>3'0&quot;x8'0&quot;</td>
<td>3'0&quot;x8'0&quot;</td>
</tr>
<tr>
<td>MIN. SIZE</td>
<td>2'6&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
</tr>
</tbody>
</table>
Hardware locations shown match Ceco standard frames.

DOOR ELEVATION

VERTICAL SECTION

HORIZONTAL SECTIONS

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

*See all embossed panel designs and size limitations on pages D4A-1 or D4A-4.

OVERLAPPING ASTRAGAL

4441
FOR 1-3/4" THICK DOORS

OVERLAPPING ASTRAGAL

4471
FOR 1-3/4" THICK DOORS

Experience a safer and more open world

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TECH-DATA

16 GAGE STEEL END CHANNELS

1. VERTICAL EDGES
   - Welded to both face sheets
   - Inverted top and bottom
   - Optional top and bottom caps are available
   - Epoxy seal
   - Hairline seam
   - Mechanically interlocked hemmed edges
   - Also available seamless (welded or body filler)
   - Center edge seam construction provided when over 9'0" or 14 gage skins

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

3. HINGE PREPARATION
   - 4–1/2 or 5 in.
   - High, standard or heavy weight, full mortise hinges
   - Hinge edge is handed and not beveled.

4. LOCK PREPARATION
   - Gov. 86, ANSI/BHMA A115.1 mortise type
   - (LM0) Note: Either of the lock reinforcements/guards shown may be installed with any mortise lock preparation.

5. GLAZING TRIM
   - SlimTrim
   - 3/8" wide glazing pocket

6. FIXED SLAT TYPE LOUVER
   - 4634
   - For 1–3/4" thick doors
   - 50% free air flow

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PRODUCT SPECIFICATIONS:

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

LEGION doors are made full-flush or (optional) seamless style. 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.

Legion full-flush doors have mechanically interlocked, hemmed, hairline seams on vertical edges and have no visible seams on faces. Doors specified 'seamless' have no visible seams on faces or vertical edges (S.D.I. Model 2). A one piece, polystyrene slab, conforming to ASTM C578 TYPE 1, is bonded to the inside of both face sheets with a waterproof contact adhesive. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets.

Hardware Provisions: Hinge preparations are hand done. Hinge edges are mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edge has a standard bevel (1:16) and 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 channel.

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. 'Colorstyle' finish coat is also available from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel and shallconform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

EXCEPTIONS:
1 & 2 panel doors are available in 18 gage face sheets only.
6 panel doors are available in 20, 18, & 16 gage face sheets only.
Panel design door face sheets are formed from A40 galv. steel.

<table>
<thead>
<tr>
<th>DOOR FACE SHEETS</th>
<th>LEVEL</th>
<th>C.R.</th>
<th>GALV</th>
<th>RECOMMENDED DOOR FRAME MATERIAL</th>
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</thead>
<tbody>
<tr>
<td>20 Gage Steel (4080 max.)</td>
<td>Standard Duty</td>
<td>N/A</td>
<td>STD</td>
<td>16 Gage Steel</td>
</tr>
<tr>
<td>18 Gage Steel</td>
<td>Heavy Duty</td>
<td></td>
<td>STD</td>
<td>16 Gage Steel</td>
</tr>
<tr>
<td>16 Gage Steel</td>
<td>Extra heavy Duty</td>
<td></td>
<td>STD</td>
<td>16 or 14 Gage Steel</td>
</tr>
<tr>
<td>14 Gage Steel</td>
<td>Maximum Duty</td>
<td></td>
<td>STD</td>
<td>14 or 12 Gage Steel</td>
</tr>
</tbody>
</table>

PERFORMANCE

*NFRC102–2014: The general requirements of testing shall be as defined in NFRC 102, ASTM C1199 and ASTM C1363.

Core Calculated (ASTM C518) R = 6.08 U = 0.16

Thermal Characteristic Value:

*NFRC 102–2014 & ASTM FLUSH DOOR WITH MERCURY FRAME R = 2.33 U = 0.43
*NFRC 102–2014 & ASTM FLUSH DOOR WITH WEATHERKEN FRAME R = 2.27 U = 0.44
*NFRC 102–2014 & ASTM FLUSH DOOR WITH STANDARD FRAME R = 2.22 U = 0.45

Sound Transmission Class: STC 27 (F Design, 18 Gage Face Sheets, ASTM E90 & E413 [Fully Operable])

Physical Endurance Level: Meets ANSI A250.4 Performance Test, 20 GAGE: Level B (500,000 Cycles); 18 and 16 Gage: Level A (1,000,000 Cycles)