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
DORMITORIES
URBAN RENEWAL
HEALTH CARE
INSTITUTIONAL
MERCANTILE
PUBLIC UTILITY
FACTORY
WAREHOUSE

EMBOSSED PANEL DESIGNS:
6 PANEL CROSSBUCK

DOOR DESIGNS
F G G2 G3 V N__ N__ GLB

LB LD LT DDT DDB

DUTCH V, G, & N DESIGNS AVAILABLE
E101 E201 E202 E203 E601

<table>
<thead>
<tr>
<th>Max. Size</th>
<th>1 Panel</th>
<th>2 Panel</th>
<th>6 Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'0&quot;x8'0&quot;</td>
<td>3'0&quot;x8'0&quot;</td>
<td>3'0&quot;x7'0&quot;</td>
<td></td>
</tr>
<tr>
<td>2'8&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Experience a safer and more open world
Hardware locations shown match Ceco standard frames.

Finished Floor

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 D4B–1 and D4B–4.

OVERLAPPING ASTRAGAL

4441
FOR 1–3/4" THICK DOORS

OVERLAPPING ASTRAGAL

4471
FOR 1–3/4" THICK DOORS

Steel

Inactive

Active

Steel

Listed
16 GAGE STEEL END CHANNELS
WELDED TO BOTH FACE SHEETS
INVERTED TOP AND BOTTOM
OPTIONAL TOP AND BOTTOM CAPS ARE AVAILABLE

VERTICAL EDGES
MECHANICALLY INTERLOCKED HEMMED EDGES
ALSO AVAILABLE SEAMLESS (WELDED OR BODY FILLER)
CENTER EDGE SEAM CONSTRUCTION PROVIDED WHEN OVER 9’0” OR 14 GAGE SKINS

CLOSER REINFORCEMENT (OPTIONAL)
14 GAGE STEEL CHANNEL 20” LONG

LOCK PREPARATION
GOV. 160/161 CYLINDRICAL TYPE
(LC1)
(ANSI A115.2)
2–3/4” BACKSET
LOCK EDGE IS BEVELED 1/8” in 2” (1:16)

HINGE PREPARATION
4–1/2” x .134” HIGH, STANDARD OR HEAVY WT. FULL MORTISE HINGE PREPS
ANSI A156.7 TEMPLATE
NON-HANDED
(Corversion: 1” = 25.4 mm, e.g., 1-3/4” = 44.45 mm)

7 GAGE REINFT.

CLOSURE PLATES INCLUDED

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.

GLAZING TRIM
SlimTrim
3/8” WIDE GLAZING POCKET
STEEL
LISTED

FIXED SLAT TYPE LOUVER
4634
FOR 1–3/4” THICK DOORS
50% FREE AIR FLOW
PRODUCT SPECIFICATIONS

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

ULTRADOR 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.

UltraDor 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 CS78 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 handed. 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 shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

EXCEPTIONS:
E1, E2, and E6 designs: mortise lock preparation limited to 30" width.
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.

MATERIAL

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

PERFORMANCE

<table>
<thead>
<tr>
<th>Characteristic Value:</th>
<th>CORE CALCULATED (ASTM C518)</th>
<th>R = 6.08</th>
<th>U = 0.16</th>
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</thead>
<tbody>
<tr>
<td>Thermal</td>
<td>*NFRC 102–2014 &amp; ASTM FLUSH DOOR WITH MERCURY FRAME</td>
<td>R = 2.33</td>
<td>U = 0.43</td>
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<td>*NFRC 102–2014 &amp; ASTM FLUSH DOOR WITH WEATHERKRFER FRAME</td>
<td>R = 2.27</td>
<td>U = 0.44</td>
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<tr>
<td></td>
<td>*NFRC 102–2014 &amp; ASTM FLUSH DOOR WITH STANDARD FRAME</td>
<td>R = 2.22</td>
<td>U = 0.45</td>
</tr>
</tbody>
</table>

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

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

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

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