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

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

EMBOSSED NARROW 6 PANEL WILL BE CENTER EDGE SEAM CONSTRUCTION.

<table>
<thead>
<tr>
<th></th>
<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>
<td>3'0&quot;x7'0&quot;</td>
</tr>
<tr>
<td>MIN. SIZE</td>
<td>2'8&quot;x6'8&quot;</td>
<td>2'8&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 D48–1 and D48–4.

OVERLAPPING ASTRAGAL

4441
FOR 1–3/4" THICK DOORS

STEEL
INACTIVE
ACTIVE

OVERLAPPING ASTRAGAL

4471
FOR 1–3/4" THICK DOORS

STEEL
INACTIVE
ACTIVE

LISTED

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**TECH-DATA ULTRADOR**

1. **VERITCAL EDGES**
   - Mechanically Interlocked Hemmed Edges
   - Also Available Seamless (welded or body filler)
   - Embossed Narrow 6 Panel will be center edge seam construction.

2. **CLOSER REINFORCEMENT (OPTIONAL)**
   - 14 Gage Steel Channel 20" Long

3. **LOCK PREPARATION**
   - Gov. 160/161 Cylindrical Type
   - (LC1) ANSI A115.2
   - 2–3/4" Backset

4. **HINGE PREPARATION**
   - 4–1/2" x .134" high, standard or heavy wt.
   - Full mortise hinge preps
   - ANSI A156.7 template
   - Non-handed
   - (Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)

5. **LOCK PREPARATION**
   - Gov. 86, ANSI/BHMA A115.1 mortise type
   - (LMO)

6. **VERTICAL EDGES**
   - Narrow 6 Panel designs are center edge seam construction
   - Weld seamless and body filler seamless is optional

7. **GLAZING TRIM**
   - SlimTrim

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

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**CecoDoor**

Experience a safer and more open world

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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 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. Narrow 6 panel doors have center edge seam construction. 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 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 3"0" 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.
Narrow 6 panel doors are center edge seam design.

MATERIAL

DOOR FACE SHEETS LEVEL GALV C.R. G90 RECOMMENDED DOOR FRAME MATERIAL

20 Gage Steel (4080 max.) Standard Duty N/A STD N/A 16 Gage Steel
18 Gage Steel Heavy Duty STD OPT OPT 16 Gage Steel
16 Gage Steel Extra heavy Duty STD OPT OPT 16 or 14 Gage Steel

PERFORMANCE

Thermal Characteristic Value:

NFRC 102–2014 & ASTM FLUSH DOOR WITH MERCURY FRAME
NFRC 102–2014 & ASTM FLUSH DOOR WITH WEATHERKERF FRAME
NFRC 102–2014 & ASTM FLUSH DOOR WITH STANDARD FRAME

R = 6.08 U = 0.16
R = 2.33 U = 0.43
R = 2.27 U = 0.44
R = 2.22 U = 0.45

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

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)

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