**MERCURY™ (TU) ENERGY EFFICIENT DOOR**

**BEVELED LOCK EDGE, HANDED**
**SQUARE LOCK EDGE, NON-HANDED**

**Full Flush or Seamless Style ...**

Vertically steel reinforced core with foamed in place polyurethane fills entire door cavity. Polyurethane core is chemically bonded to all interior surfaces. High impact resistance. Excellent insulation characteristics. Nominal 18 gage steel reinforcements are typically placed 6” apart and welded in place.

**Suggested Use:**
- Institutional Facilities
- Data Processing
- Mercantile
- Manufacturing Plants
- Transportation Terminals
- Vehicle Service Facilities
- Food Processing
- Interior or Exterior...
- Motels/Hotels
- Office Buildings
- Urban Renewal
- Health Care
- Schools/Training Centers
- Institutional Facilities
- Public Utility Stations
- Government Buildings
- Warehouses/Factories

**DOOR DESIGNS**

- F
- C
- FP
- V
- N
- N

**EMBOSSED PANEL DESIGNS**

- E04
- E101
- E201
- E202
- E203
- E301
- E302
- E303
- E601
- E609
- E605
- E604
- E801

**Dimensions:****

<table>
<thead>
<tr>
<th>PANEL</th>
<th>1, 2 &amp; 3 PANEL</th>
<th>6 PANEL</th>
<th>8 PANEL</th>
<th>CROSS BUCK &amp; LITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. SIZE</td>
<td>3'0&quot;x8'0&quot;</td>
<td>3'0&quot;x7'0&quot;</td>
<td>3'0&quot;x7'0&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>2'6&quot;x6'8&quot;</td>
<td>2'8&quot;x6'8&quot;</td>
<td>2'8&quot;x6'8&quot;</td>
</tr>
</tbody>
</table>

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

**DOOR ELEVATION**

**VERTICAL SECTION**

**HORIZONTAL SECTIONS**

*See all embossed panel design and size limitations on pages D16-1 and D16-4.

**GLAZING SYSTEM**

For standard 2’8” & 3’0” wide, 6’8” & 7’0” high non-labeled embossed 2, 6 & crossbuck panel doors.

1/8” Tempered safety glass

High-impact moulded polystyrene trim

Optional: 1/2” insulated glass

**OPTIONAL GLAZING TRIM**

SlimTrim

3/8” to 1-1/8” wide glazing pocket

Steel

UL Listed

(Conversion: 1” = 25.4 mm, e.g., 1-3/4” = 44.4 mm)
TECH-DATA

MERCURY ENERGY EFFICIENT DOOR

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

LOCK PREPARATION
GOV. 160/161 CYLINDRICAL TYPE

(LC1)
(ANSI A115.2)
2–3/4” BACKSET
HANDED DOOR 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 SQUARE

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

(LMO)
NOTE: EITHER OF THE LOCK REINF. GUARDS SHOWN MAY BE INSTALLED WITH ANY MORTISE LOCK PREPARATION.

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

VERTICAL EDGES
MECHANICALLY INTERLOCKED HEMMED EDGES
ALSO AVAILABLE SEAMLESS (WELDED OR BODY FILLER)
14 GAGE STEEL WELDED SEAMLESS (ONLY)

OVERLAPPING ASTRAGAL 4441
FOR 1–3/4” THICK DOORS

OVERLAPPING ASTRAGAL 4471
FOR 1–3/4” THICK DOORS

Conversion: 1” = 25.4 mm, e.g., 1–3/4” = 44.45 mm

Experience a safer and more open world

CecoDoor
ASSA ABLOY
STANDARD SIZES

<table>
<thead>
<tr>
<th>NOMINAL DOOR OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH</td>
</tr>
<tr>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>2'-4&quot;</td>
</tr>
<tr>
<td>2'-8&quot;</td>
</tr>
<tr>
<td>2'-10&quot;</td>
</tr>
<tr>
<td>3'-0&quot;</td>
</tr>
<tr>
<td>3'-4&quot;</td>
</tr>
<tr>
<td>3'-8&quot;</td>
</tr>
<tr>
<td>3'-10&quot;</td>
</tr>
<tr>
<td>4'-0&quot;</td>
</tr>
</tbody>
</table>

FIRE DOORS

LABELING AGENCY:
*UL LLC (UL)*
*WARNICK HERSEY (WH)*

TEST:
UL 10C, UL 10B,
UL 1784, & NFPA 252

*DESIGNS:* F, G, N, V, E1, E2, E3, E6,
E8, or EC.

*RATING:* (18, 16 & 14 GAGE)
1/3 HR, 3/4 HR, 1 HR, 1-1/2 or 3 HR.
MAX. SIZE: 4'0" x 7'0" SINGLE
MAX. SIZE: 6'0" x 7'0" PAIR

NOT ALL RATINGS ARE AVAILABLE IN ALL
SIZES, DESIGNS, AND MATERIALS.

SIZE LIMITS - DESIGNS

<table>
<thead>
<tr>
<th>DESIGN</th>
<th>FLUSH</th>
<th>1, 2 &amp; 3 PANE</th>
<th>6 PANE</th>
<th>8 PANE</th>
<th>CROSS BUCK &amp; LITES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX.</td>
<td>4'0&quot;x9'0&quot;</td>
<td>3'0&quot;x8'0&quot;</td>
<td>3'0&quot;x7'0&quot;</td>
<td>3'0&quot;x7'0&quot;</td>
<td>3'0&quot;x7'0&quot;</td>
</tr>
<tr>
<td>MIN.</td>
<td>2'0&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
<td>2'6&quot;x6'8&quot;</td>
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</table>

MATERIAL

<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>16 Gage Steel</td>
<td></td>
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<tr>
<td>16 Gage Steel</td>
<td>Extra heavy Duty</td>
<td>STD</td>
<td>OPT</td>
<td>16 or 14 Gage Steel</td>
<td></td>
</tr>
<tr>
<td>14 Gage Steel</td>
<td>Maximum Duty</td>
<td>STD</td>
<td>OPT</td>
<td>14 Gage Steel</td>
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</table>

CORE THERMAL PERFORMANCE

| Thermal Characteristic Value | CORE CALCULATED (ASTM C518) | R = 11.01 | U = 0.091 |

ASSEMBLY THERMAL PERFORMANCE

<table>
<thead>
<tr>
<th>Assembly</th>
<th>NFRC 102-2014</th>
<th>R = 2.70</th>
<th>U = 0.37</th>
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</thead>
<tbody>
<tr>
<td>Flush Mercury Door &amp; Mecury Frame</td>
<td>NFRC 102-2014</td>
<td>R = 2.63</td>
<td>U = 0.38</td>
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<tr>
<td>Flush Mercury Door &amp; Weatherkerf Frame</td>
<td>NFRC 102-2014</td>
<td>R = 2.50</td>
<td>U = 0.40</td>
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</table>

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

Physical Endurance Level:
Meets ANSI A250.4 Performance Test,
18,16 & 14 Gage Level A (1,000,000 Cycles);

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