1-3/4" OMEGA (OI) HONEYCOMB CORE DOORS
FLUSH AND EMBOSSED PANEL STEEL DOORS
UNIVERSAL, NON-HANDED

Kraft fibre honeycomb slab, bonded to the inside of both face sheets with a waterproof, contact adhesive.

Suggested Use:
- Interior or Exterior...
- Office
- Motel/Hotel
- Apartment
- Urban Renewal
- Health Care
- Institutional
- Mercantile
- Public Utility
- Factory
- Warehouse

DOOR DESIGNS

F  G  G2  G3  V  N___  N___  GLB  FG

LB  LD  LT  DDT  DDB

DUTCH V, G, & N DESIGNS AVAILABLE

E601

6 PANEL
MAX. SIZE 3'0"x7'0"
MIN. SIZE 2'6"x6'8"
Hardware locations shown match Ceco standard frames.

(DOOR ELEVATION)

1. Cylindrical lock mortise lock
2. Hinge spacing
3. Centerline
4. Cylinder alignment line
5. Cylinder backset
6. Cylinder centerline
7. Cylinder radius
8. Cylinder diameter
9. Cylinder edge

(VERTICAL SECTION)

1. Nominal door opening height
2. Actual leaf height

(HORIZONTAL SECTIONS)

SINGLE SWING
- Act leaf width
- Nominal door opening width

DOUBLE SWING
- Act leaf width
- Act leaf width
- Nominal door opening width

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

OVERLAPPING ASTRAGAL
4441
FOR 1-3/4" THICK DOORS

OVERLAPPING ASTRAGAL
4471
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

- MECHANICALLY INTERLOCKED HEMMED EDGES
- ALSO AVAILABLE SEAMLESS (WELDED OR BODY FILLER)

LOCK PREPARATION GOV. 160/161 CYLINDRICAL TYPE

- (LC1)
  - (ANSI A115.2)
  - 2-3/4" BACKSET

LOCKED EDGE IS SQUARE

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)

GLAZING TRIM SlimTrim

- FOR ALL FIRE DOORS

3/8" WIDE GLAZING POCKET

STEEL LISTED

50% FREE AIR FLOW

FIXED SLAT TYPE LOUVER 4634

- FOR 1-3/4" THICK DOORS

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

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

Omega 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. Design 2). A one piece, kraft honeycomb core is securely bonded to both face sheets under pressure with 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 non-handed. Hinge edges are mortised for 4-1/2" standard and heavy weight hinges. 7 gage steel reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. Hinge closing plates are included. The lock edge is square and is prepared for Gov. series 86, or 160/161 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.

STANDARD SIZES

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<th>WIDTH</th>
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Omega full-flush doors specify the following:

- Gage: 20, 18, or 16, 1-3/4" thick (4080 max.)
- Face sheets: 20 gage steel (4080 max.)
- Level: Standard, Heavy, Extra Heavy Duty
- C.R.: N/A, STD, OPT
- Galv A50 G90: N/A, STD, OPT
- Material: 16, 14, or 12 gage steel

Performance:

- Sound Transmission Class: STC 32 (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)