1-3/4" THRULITE (TX) STILE AND RAIL DOOR
BEVELED LOCK AND HINGE EDGE, HANDED

Exceptionally strong tubular stile and rail construction with an aesthetically attractive design for entrance/exit with full vision. 16 gage steel seamless design. Flush glazing, corners continuously welded and ground smooth.

Suggested Use:
- Entrances, Vestibules, Cross-Corridors...
- Schools
- Office Buildings
- Hotels/Motels
- Shopping Malls
- Theaters
- Sports Stadiums
- Hospitals
- Apartments

DOOR DESIGNS

FG  2G  3G

Integral Glazing Stop
Insulation
Hardware locations shown match Ceco standard frames.

(DOOR ELEVATION)

VERTICAL SECTION

HORIZONTAL SECTIONS

(Conversion: 1" = 25.4 mm, e.g., 1−3/4" = 44.4 mm)

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

OVERLAPPING ASTRAGAL
4471
FOR 1−3/4" THICK DOORS

OVERLAPPING ASTRAGAL
4491 (OPTIONAL)
FOR 1−3/4" THICK DOORS
TECH-DATA

CLOSED REINFORCEMENT OPTIONAL

12 GA. GALV. STEEL
19" x 4-1/2" PLATE
SPOT WELDED

STILE AND RAIL SIZES:
5-5/8" STD.
3-5/8" OPT.
7-5/8" OPT.

TOP AND BOTTOM CORNERS

16 GA. STEEL TUBULAR CONSTRUCTION

RAIL REINFT. CHANNEL
22 GA. STEEL

INVERTED BOTTOM CHANNEL
16 GA. STEEL

LOCK PREPARATION
GOV. 160/161 CYLINDRICAL TYPE

(5-5/8" MIN. STILE FOR 2-3/4" BACKSET)
(7-5/8" MIN. STILE FOR BACKSETS OVER 2-3/4")

LC1
(ANSI A155.1)
2-3/4" BACKSET

NOTE: 3-5/8" STILES REQUIRE NARROW STILE HARDWARE. CONSIDER ROSE SIZE WITH STILE SPECIFIED.

HINGE PREPARATION

4-1/2 OR 5 IN.
HIGH, STANDARD
OR HEAVY WEIGHT,
FULL MORTISE HINGES

ANSI 156.7
TEMPLATE

HINGE EDGE IS HANDED AND BEVELED

LOCK PREPARATION
GOV. 86, ANSI/BHMA A155.1
MORTISE TYPE

LM0

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

STANDARD GLAZING TRIM

3/8" WIDE GLAZING POCKET

BOTTOM RAIL NOMINAL SIZES:
12-5/8" STD.

FOR 13/16" GLASS
15/16" WIDE GLAZING POCKET

FOR 1" GLASS
1-1/16" WIDE GLAZING POCKET

14 GA. GALV. STEEL

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

CocoDoor
ASSA ABLOY

Experience a safer and more open world
PRODUCT SPECIFICATIONS:

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

THRULITE doors are tubular construction, seamless design. Door material is commercial quality cold-rolled steel conforming to ASTM A1008. Also, optional hot-dipped galvannealed or galvanized steel conforming to ASTM A653 and A924.

THRULITE stiles and rails are made from 16 gauge steel sheets formed into rectangular tubes with an integral glazing bead. Stiles and top rails are 5 5/8" wide, (3 5/8' & 7 5/8" optional). Bottom rails are 12 5/8" high (10 5/8", 14 5/8", and 16 5/8" optional). Tubular construction provides closed top. Bottom of door closed with a 16 gauge inverted bottom channel welded to both door faces. Fiberglass batt (0.5 lbs/cf) insulates the tubular core.

Hardware Provisions: Hinge preparations are handed. Hinge edge is beveled (1:16) and mortised for 4-1/2" or 5" high, standard and heavy weight hinges (specify which). 7 gauge 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). 5 5/8" stiles are prepared for Gov. series 86, 160/161, or 90 locks in accordance with ANSI A115 (specify which). 3 5/8" stiles require narrow stile hardware. Closer reinforcement is an optional 12 gauge steel plate. Concealed hardware preparations not available.

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.

STANDARD SIZES NOMINAL DOOR OPENING

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>SINGLE</th>
<th>DOUBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-6&quot;</td>
<td>5'-0&quot;</td>
<td>6'-8&quot;</td>
</tr>
<tr>
<td>2'-8&quot;</td>
<td>5'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>6'-0&quot;</td>
<td>7'-2&quot;</td>
</tr>
<tr>
<td>3'-4&quot;</td>
<td>6'-8&quot;</td>
<td>7'-10&quot;</td>
</tr>
<tr>
<td>3'-8&quot;</td>
<td>7'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>3'-10&quot;</td>
<td>7'-4&quot;</td>
<td></td>
</tr>
<tr>
<td>4'-0&quot;</td>
<td>8'-0&quot;</td>
<td></td>
</tr>
</tbody>
</table>

FIRE DOORS

LABELING AGENCIES:

- UNDERWRITERS LABORATORY
- WARNock HERSeY

TEST: UL 105B, UL 10C, UL 1784, & NFPA 252
RATING: 20 MIN, 3/4 HR
MAX. SIZE:

4'-0" x 8'-0" SINGLE
8'-0" x 8'-0" PAIR
8'-0" x 8'-0" DOUBLE EGRESS

- 3 5/8" MINIMUM STILES -
  - & TOP RAIL -

MATERIAL

<table>
<thead>
<tr>
<th>DOOR FACE SHEETS</th>
<th>LEVEL 3</th>
<th>C.R.</th>
<th>GALV. A60</th>
<th>RECOMMENDED DOOR FRAME MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Gage Steel</td>
<td>MODEL 3, EXTRA HEAVY-DUTY</td>
<td>STD</td>
<td>OPT</td>
<td>16 or 14 Gage Steel</td>
</tr>
</tbody>
</table>

PERFORMANCE

FG Design, 1/4" tempered glass. Tests ASTM E90 and E413

Sound Transmission Class:
Sealed
Operable
STC 30
STC 29

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