FULL FLUSH STEEL DOORS
BEVELED LOCK AND SQUARE HINGE EDGE, HANDED

Available in polystyrene, steel stiffened or polyurethane slab core. Ideally suited for applications where food, sanitation, health or corrosive environments require a luxurious durable finish ...

Suggested Use:
Interior or Exterior ...
Medical Laboratory,
Food Processing,
Sanitary Wash Down applications,
Pharmaceutical Plants,
Research Laboratories,
Chemical Plants, etc.

POLYSTYRENE CORE (WP)

STEEL STIFFENED CORE
WELDED STEEL STIFFENERS (WS)
OR
PERMANENTLY BONDED STEEL STIFFENERS (WSB)

POLYURETHANE SLAB CORE (WU)

AVAILABLE FINISHES
A60 GALVANIZED (STANDARD)
G90 GALVANIZED
*STAINLESS STEEL
*AVAILABLE FINISHES:
*#4 BRUSH, #6 SATIN, #8 MIRROR,
*#28 PAINT GRADE & XL BELND

STAINLESS STEEL OPTIONS
304
316
Hardware locations shown match Ceco steel frames.

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

WATER RESISTANT DOORS

WATER RESISTANT HANDING
- BOTH HANDS REVERSE ACTIVE
  - ACTIVE (OUTSIDE)
  - ACTIVE (OUTSIDE)

WATER RESISTANT ASTRAGAL FULL HEIGHT 4481
- RHR (SHOWN) LHR OPPOSITE
  - INACTIVE
  - ACTIVE
  - 14 GAGE 1-3/4" WIDE
  - #8 PAN HEAD SMS
  - ASTRAGAL SHIPPED LOOSE FIELD APPLIED WITH SCREWS

WATER RESISTANT ASTRAGAL FULL HEIGHT 4481
- RHA (SHOWN) LHA OPPOSITE
  - INACTIVE
  - ACTIVE
  - 14 GAGE 1-3/4" WIDE
  - #8 PAN HEAD SMS
  - ASTRAGAL SHIPPED LOOSE FIELD APPLIED WITH SCREWS
TECH-DATA

WATER RESISTANT DOORS & FRAMES

1. VERTICAL EDGES
SEAMLESS (WELDED) EDGE

2. TOP FACE SHEET
BOTTOM FACE SHEET

SEAMLESS (WELDED) EDGE AVAILABLE IN 16 & 14 GAGE WITH OFFSET SEAM
OPTIONAL 12 GAGE WELDED SEAMLESS CONSTRUCTED WITH CENTER SEAM

3. ELECTRICAL COVERBOX FOR ELECTRICAL HARDWARE PREPS IN FRAME

CLOSER REINFORCEMENT OPTIONAL

4. 14 GAGE STANDARD
12 GAGE OPTIONAL PLATE REINFORCEMENTS AVAILABLE

HINGE PREPARATION

5. LOCK PREPARATION
GOV. 86 MORTISE TYPE
SEALED WATER RESISTANT CHAMBER

6. LOCK EDGE IS BEVELED

SEALED WATER RESISTANT CHAMBER
4-1/2" OR 5" HIGH STANDARD OR HEAVYWEIGHT FULL MORTISE HINGES
7 GAGE STEEL HINGE REINFORCEMENT

OPTIONAL:
SANITARY GLAZING MAX. SIZE "G" DESIGN

OPTIONAL FACTORY GLASS INSTALLATION AVAILABLE

(Self Tapping Screw)

SAN Watertight side

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

Experience a safer and more open world

BACK TO TOP
WATER RESISTANT SERIES WRQ, WRU, WRR and WRC STEEL FRAMES

FOR 1-3/4" THICK DOORS
STANDARD WALL APPLICATION, HANDED

(WRQ) EQUAL RABBET
(WRU) UNEQUAL RABBET
(WRC) CASED OPENING
(WRR) SINGLE RABBET

DEPTH RANGES:
- Dim A: 3-1/2" THRU 14"
- FACES:
  - JAMB: 2"
  - HEAD: 2" THRU 4"

MINIMUM DEPTHS WILL BE LIMITED BY FORMING AND HARDWARE.

"KS" = KEY SIDE

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

WATER RESISTANT SERIES FRAMES

WELDED CORNERS – STANDARD

CORNER JOINTS ARE MITERED, WELDED AND GROUND SMOOTH.

Available with 4” head

OPTIONAL BACKBEND RETURN

FRAMES WITH BACKBEND RETURNS SHOULD BE CONSIDERED FOR WALL PROTECTION.

1/2"

1/2"

CLOSER REINFORCEMENTS (OPTIONAL)

12 GA. PLATE

OPTIONAL:
STAINLESS STEEL DIRECTION OF STANDARD GRAIN

STANDARD GRAIN RUNS VERTICALLY ON FRAME FACES AND JAMB FACE, RABBETS & SOFFITS, BUT PERPENDICULAR TO THE HEAD RABBETS & SOFFIT.

HINGE PREPARATION

4–1/2” x .134 or .180
5” x .146 or .190

ANSI A156.7 TEMPLATE

7 GAGE STEEL REINFORCING

LOCK STRIKE PREPARATION

1–15/16”

UNIVERSAL (4–7/8”) (SHOWN)

ANSI A115.1 & 2 TEMPLATE

ALSO AVAILABLE WITH PREP FOR 2–3/4” "T" STRIKE

12 GAGE STEEL REINFORCING

SEALED WATER RESISITANT CHAMBER

(Conversion: 1” = 25.4 mm, e.g., 1–3/4” = 44.45 mm)
Hardware locations shown match Ceco standard doors.

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

STANDARD STEEL FLOOR ANCHOR | METAL STUD ANCHOR | EXISTING OPENING ANCHOR

12 GAGE | 16 GAGE | 3/8" PUNCH & DIMPLED HOLE BOLTS BY OTHERS
TECH-DATA
WATER RESISTANT DOORS & FRAMES

PRODUCT SPECIFICATIONS:

Water resistant steel door frames and 1-3/4" thick steel doors shall be as provided by Ceco Door Products. Doors and frames shall conform to NAAMM HMMA 866 stainless steel guide specifications, if provided as stainless steel.

Water Resistant Series Steel Frames are formed from commercial quality 16, 14 or 12 gage galvanized steel. Piece door frames in 304 or 316 stainless steel are optional. Integral door stops are 5/8" high. Double Rabbet, Single Rabbet and Cased Open profiles are sized to suit wall applications. Jamb anchors are available for new masonry, wood stud, metal stud or existing opening wall conditions (indicate which). Sealing of frame to wall, screws and/or bolts is by installation contractor. Floor anchors or extra jamb anchors are provided to anchor sill.

Galvanized steel doors are made as full-flush 16 or 14 gage offset seamed edge or 12 gage center seamed edge. Face sheets are commercial quality galvanized or stainless steel. Doors have no visible seams. Standard polystyrene core is permanently bonded to face skins. Welded steel stiffened or permanently bonded steel stiffened or polyurethane slab cores are also available. The top and bottom 16 gage galv. channels are inverted and welded to both face skins. An 18 gage galvanized top and bottom cap is installed to flush out the top and bottom of the door. Door is welded and sealed for water resistance.

Hardware Provisions: Doors and frames are handed. Door beveled hinge edges are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). 7 gage steel hinge reinforcements are welded in place and are drilled and tapped for fasteners in accordance with ANSI A156.7. The door lock edge has a standard bevel (1:16) and is prepared for Gov. series 86 or 160/161 locks in accordance with ANSI A115 (specify which). Strike jambbs are prepped in accordance to ANSI A115.1 & 2 for a universal 4-7/8" strike. 14 gage door closer reinforcements or 12 gage closer plate frame reinforcing is available. Concealed hardware is not available. Sealing of screws and/or thru-bolts to attach surface mounted hardware or signs is by installation contractor.

Steel Finish: Standard A60 galvanized is standard, with G90 galvanized as an option. Also type 304 stainless steel is available in #4 brush finish, #6 satin finish, #8 mirror finish, or #2B paint grade finish. Type 316 is available for corrosive environments available in #4 brush finish, #6 satin finish, #8 mirror finish, #2B paint grade finish or XL blend.

Paint: 1-3/4" steel doors & frames 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 preparyatory base for necessary finish painting. Finish colorstyle paint not available from factory.

Protection: Doors and frames are crated for shipment.

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<tr>
<th>DOOR AND FRAME MATERIAL</th>
<th>STD.</th>
<th>OPT.</th>
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<tbody>
<tr>
<td>16 Gage A60 Galv. Steel</td>
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<tr>
<td>16 Gage G90 Galv.</td>
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<td>14 Gage A60, G90 Galv.</td>
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<tr>
<td>12 Gage A60, G90 Galv.</td>
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<tr>
<td>16, 14 or 12 Gage Stainless Steel</td>
<td>*OPT.</td>
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*OPTIONAL:
STAINLESS STEEL ALLOY
Type 304 Standard
Type 316 High Corrosive Resistance

*STAINLESS STEEL FINISH FOR 304 AND 316
#4 BRUSH FINISH
#6 SATIN FINISH
#8 MIRROR FINISH
#2B PAINT GRADE FINISH XL BLEND

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