LABELED FIRE DOOR FRAMES

UL, WH OR FM LABELED SERIES SU, SQ AND SR THREE SIDED DOOR FRAMES, (KD) FIELD ASSEMBLED TYPE OR SET-UP AND WELDED. FOR SINGLE AND PAIRS OF DOORS.

- Standard series SQ, SU and SR profiles and anchors for fire rated hollow metal or wood doors.
- Classified for swinging fire doors rated at up to 3 hours.
- UL, WH or FM: 18 ga. steel 1-1/2 hours max. 16, 14 or 12 ga. steel 3 hours max.

UL/WH FIRE-PROTECTIVE LABELED SERIES SU AND SQ TRANSOM/SIDELITE, 45 MINUTE RATED,

Intended for one hour rated walls or partitions as smoke barriers or for draft-control. TEST: UL 10C, NFPA 252

- Maximum door opening size:
  - 4'-0" x 7'-0" (single) 18 ga.
  - 8'-0" x 7'-0" (pair) 18 ga.
  - 4'-0" x 10'-0" (single) 16, 14 or 12 ga.
  - 8'-0" x 10'-0" (pair) 16, 14 or 12 ga.

- Options:
  - Min. 1" face in masonry walls.
  - Min. 1-1/4" face in stud walls.
  - Max. 4" face all conditions.

UL/WH FIRE-PROTECTIVE LABELED SERIES SU AND SQ TRANSOM/SIDELITE, 3/4 OR 1-1/2 HOUR RATED, WITH PANELS

Tested with hose stream.

- Transom area requires 3/8" thick, insulated panels. (Maximum area per panel: transom 1066 sq. in., and shall not exceed 41" x 26")
- Side panel area may have 3/8" thick panel, 1-3/4" wood, or 1-3/4" metal. (Maximum area per panel 1,296 sq. inches and not to exceed 30" x 54")

- Maximum Transom/Sidelite overall:
  - (MSY) 13-6" x 12-0", (DW) 12-10" x 11-4"

- Maximum door opening:
  - (single) 4'-0" x 10'-0", (pair) 8'-0" x 10'-0"

- Glazing: Classified material for 45 minute rating (by others).

UL/WH FIRE-PROTECTIVE LABELED SERIES SU AND SQ TRANSOM/SIDELITE, 3/4 OR 1-1/2 HOUR RATED,

MAX. RATING* 1-1/2 HOUR, Tested with hose stream. *Note: Check building code requirements for frames over 45 min.

- Maximum 1-1/2 hour frames use any listed glass.
  - TEST: UL 10C, NFPA 252

- Maximum overall size:
  - Transom/Sidelite (MSY) 13-6" x 120'
  - Transom/Sidelite (DW) 12-10" x 11-4"

- Maximum exposed glazed area, maximum exposed glazed width, maximum exposed glazed height:
  - See glass manufacturer’s classification listing for these units.

- Minimum throat: 4-7/8".
- Face sizes: 1" thru 2".
- Sill Face sizes: 1" thru 16".
- Maximum door opening: (sgl) 4'-0" x 10'-0", (pair) 8'-0" x 10'-0".

UL LABELED SERIES SU AND SQ TRANSOM FRAMES WITH 1-3/4" PANEL, UP TO 3 HOUR RATED,

Tested with hose stream.

- 3 hour classified solid core (SC) panel or 3 hour classified honeycomb core (HC) panel.
- Panels are available as fixed or removable.

- TEST: UL 10C, NFPA 252

- Transom bars are optional. Frame face: 1-1/4" to 4".
- Maximum panel size: (SC), (HC) 7'-4" x 4'-0" WH, (SC) (HC) 8'-0" x 4'-0" UL.
- Maximum frame height overall: 11'-4".

- Maximum door opening: 4'-0" x 9'-0" single, 7'-4" x 8'-0" pair WH 8'-0" x 8'-0" UL.
UL/WH LABELED DOUBLE EGRESS FIRE DOOR FRAMES

- 3 hour Classified (UL/WH) for fire resistant walls at least 4" thick.
- Frames: Double Egress Profile - 16 or 14 ga. steel
- Depths: 5-1/4" through 14"
- Maximum door size: (pair) 8'-0" x 10-0"
- Prepared for listed vertical rod F.E.H. and reinforced for closers.

UL/WH LABELED DUTCH FIRE DOORS AND FRAMES

- 3 hour Classified with no temperature rise rating for fire resistant walls at least 4" thick.
- Doors: 1-3/4" Medallion (UL) Regent (WH), (UL) - 16 or 18 ga. face sheets.
- Frames: Series SU or SQ double rabbet, SR single rabbet - 16 or 14 ga. steel - KD or welded.
- Maximum single door size: (UL), (WH) 4'-0" x 7'-2"
- Latchset requirements: one each leaf, minimum throw 1/2".

SERIES SQW AND DQW, PROFILE WK WITH INTEGRAL KERF AND FIRE RATED FOAM FILLED WEATHERSTRIP

- Ceco's weatherstriped Series SQW and DQW door frames are the same as Series SQ and DQ frames except they feature an integral kerf and a fire rated door gasket.
- Eliminates labor intensive job of drilling and applying old-fashioned weatherstrip... conserve time, work, money.
- Saves integrity of frame by eliminating screw holes.
- Closed door completely conceals and protects gasketing.
- Zones areas for heating and air conditioning.

SMOKE CONTROL SYSTEMS

- Extensive testing relative to the control of smoke and gases through door openings has been conducted on several Ceco door systems. The test method used was based on UL test 1784 (Air Leakage Test of Door Assemblies) as indicated by NFPA 105. The purpose was to ascertain the infiltration rates produced when assemblies are subjected to various positive pressures, at both ambient (75°F) and elevated (400°F) temperatures. The test assemblies utilized integrally gasketed, Series SQ and DQ frames as well as many Ceco door lines, both label and non-label. In the absence of a nationally recognized labeling program for the measurement of smoke leakage.

- Generally, authorities feel that leakage should not exceed the values listed below. For specific requirements for smoke control door assemblies, consult the latest issues of NFPA 80, 101 and 105.

**FIRE RATINGS:**
All labeled frames with integral weatherstrip shall be of the type tested by Warmack Hersey or Underwriters Laboratory LLC, in accordance with UL 10C and shall bear a label of that agency as evidence of compliance.

**GASKETING:**
Fire rated, integral type.

**MATERIAL:**
- 18 ga., 16 or 14 ga. steel

**SIZES:**
- All industry standard sizes through the following limits:
  - 16 & 14 ga. 4'-0" x 9'-0" single,
  - 8'-0" x 9'-0" double
  - 18 ga. 3'-0" x 7'-0" single,
  - 6'-0" x 7'-0" double

**OIL-FILLED GASKET**
- Compression type
- Fire rated

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**ALLOWABLE AIR LEAKAGE**

<table>
<thead>
<tr>
<th>DOOR INSTALLATION</th>
<th>ROOM TO CORRIDOR</th>
<th>AREAS OF REFUSE</th>
<th>ELEV. LUXURY</th>
<th>ELEV. W/O LUXURY</th>
<th>CROSS CORRIDOR</th>
<th>STAIR ENCLOSURE</th>
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<tbody>
<tr>
<td>Maximum Leakage</td>
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<td>3</td>
<td>3</td>
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<td>3</td>
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<td>75°F</td>
<td>75°F</td>
<td>400°F</td>
<td>75°F</td>
</tr>
</tbody>
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* Standard cubic ft./min. per sq. ft. of door opening. °C = 5/9 (°F – 32)

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

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