SERIES SQ, SR, AND SC STEEL FRAMES
FOR 1-3/4" DOORS
STANDARD WALL APPLICATION, HANDED

1/2" BACKBEND 1/2"
2" FACE
5/8" 1-15/16" Varies 1-15/16" DEPTH

* BASIC PROFILES

1/2" 1/2" 1/2" 1/2"
2" FACE  
5/8" 1-15/16" Varies DEPTH

SR SC

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

* Depth, face, soffit, and backbend dimensions are variable (made to order) within limits of material and tooling. Hardware preparations are for 1-3/4" thick doors. Rabbet dimensions and hardware preparations to suit other door thicknesses are also available. Backbends need not be the same on opposite faces of basic profile, but limits of material and/or tooling may restrict certain combinations of backbends and other profile variations. Profiles are not limited to those shown ...many other designs and combinations are available.

INSIDE

KS LH
KS RH

OUTSIDE

KS RHA
KS LHA

"KS" = KEY SIDE
Hardware locations shown match Ceco standard doors. Basic double rabbet profile shown...profile variations similar.

| JAMB ANCHOR QUANTITIES | 2 PER JAMB FOR HEIGHTS >3/8" THRU 5/8" AND ONE FLOOR ANCHOR  
|                        | 3 PER JAMB FOR HEIGHTS >5/8" THRU 7/8" AND ONE FLOOR ANCHOR  
|                        | 4 PER JAMB FOR HEIGHTS >7/8" THRU 7-5/8" AND ONE FLOOR ANCHOR  
|                        | 5 PER JAMB FOR HEIGHTS >7-5/8" THRU 10-0" AND ONE FLOOR ANCHOR  
|                        | ONE ADDITIONAL JAMB ANCHOR FOR EACH ADDITIONAL TWO FEET IN HEIGHT OR FRACTION THEREOF  
|                        | ONE ADDITIONAL JAMB ANCHOR IN LIEU OF FLOOR ANCHOR FOR EXISTING STUDS AND/OR WALL CONDITIONS.  

| WIRE MASONRY ANCHOR WMA | 7 ga. galv. steel Snap-in type  
| (For 3" thru 8-3/4" Depths) |  

| EXISTING OPENING ANCHOR EO | 18 ga. galv. Snap-in type  
| SQ EO/56: 5-1/8" thru 6-3/4" depth  
| PROFILE EO/58: 6-7/8" thru 8-3/4" depth |  

| ADJUSTABLE ANCHOR FOR STUD WALLS ADJ/STUD | 18 ga. crs  
| 3-3/4" thru 8-3/4" depth |  

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)
TECH-DATA
SERIES SQ, SR, AND SC STEEL FRAMES

KNOCKED DOWN (KD) CORNERS
NORMALLY LIMITED TO 3 PIECE FRAMES.
CORNERS ARE DIECUT. HEAD AND 2 JAMBS ARE SHIPPED KD FOR FIELD ASSEMBLY.
SEE BACK OF SHEET FOR FACE LIMITATIONS. ALSO AVAILABLE SET-UP AND WELDED.

WELDED CORNERS
MITERED AND WELDED CORNER -- HEAD AND JAMB FACES MUST BE EQUAL.
MITER SEAM IS WELDED AND FACE IS GROUND SMOOTH AND SPOT-PRIMEDER.

WELDED CORNERS
FACE SEAM IS WELDED, GROUND SMOOTH, AND SPOT-PRIMEDER.
BUTTED AND WELDED CORNER -- HEAD AND JAMBS MAY HAVE UN-EQUAL FACES. TYPICALLY, JAMB RUNS THROUGH AND HEAD IS COPED.

INTERSECTIONS
INTERSECTIONS MAY BE 3 OR 4-WAY (4-WAY SHOWN DOTTED) OPEN OR CLOSED FRAME PROFILES MAY BE USED.
TYPICALLY, VERTICAL SECTIONS RUN THROUGH AND HORIZONTAL BARS ARE COPED. FACE SEAMS ARE WELDED, GROUND SMOOTH, AND SPOT-PRIMEDER.

SIDE SILL
FACE SEAM IS WELDED, GROUND SMOOTH, AND SPOT-PRIMEDER.
BRACING STRAP (FOR SILLS OVER 4" HIGH ONLY)

GLAZING PROVISIONS
SIDE LITES, TRANSOMS, AND BORROWED LITES ARE PROVIDED WITH 5/8" HIGH 18ga. CALV. STEEL GLAZING BEAD. FASTENERS ARE #8x18x1-1/2" POH TEK SCREWS.
BEAD IS INSTALLED AGAINST FRAME STOP WITH ONE SCREW AS STANDARD. BALANCE OF SCREWS ARE SHIPPED LOOSE.
GLASS AND GLAZING ARE BY GLAZING CONTRACTOR

LOCK STRIKE PREPARATION
UNIVERSAL (4-7/8") ANSI A115.1 & 2 TEMPLATE.
16 GAGE STEEL REINFORCING WITH EXTRUDED THREADS EQUAL TO 14 GAGE.
PREPARATIONS FOR OTHER MECHANICAL OR ELECTRONIC LOCKS, EXIT, OR SECURITY DEVICES ARE ALSO AVAILABLE. ASK FOR DETAILS.

HINGE PREPARATION
4-1/2" x .134" or 4-1/2" x .180"
ANSI A156.7 TEMPLATE.
7 GAGE STEEL REINFORCEMENT.
PLASTER GUARD IS 26 GAGE STEEL.
BACKSET: 5/16"

HINGE PREPARATION
5" x .146", or 5" x .190"
ANSI A156.7 TEMPLATE.
7 GAGE STEEL REINFORCEMENT.
PLASTER GUARD IS 26 GAGE STEEL.
BACKSET: 5/16"

METAL STUD "Z" ANCHOR MSZ2

SPECIAL SIZE FLOOR ANCHOR SA

SIDE LITE FLOOR ANCHOR SLFA
IN-FIELD; FASTEN ANCHOR TO FLOOR. SLIP-FIT MULLION OVER ANCHOR

ONE PIECE

(Ceeco Door)
ASSA ABLOY
Experience a safer and more open world
BACK TO TOP
**PRODUCT SPECIFICATIONS:**

Steel door frames shall be as manufactured by Ceco Door Products, Milan, TN or Mason City, IA, USA. They shall conform to the Steel Door Institute guide specification, ANSI A250.8. See chart below for performance classifications.

**Series SQ, SR, and SC** frames for 1-3/4" doors are formed from 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.

3 piece door frames are shipped knocked down or welded. Transoms, sidelles and borrowed lites are welded unit type with all exposed welds ground smooth. Oversize frames are shipped in multiple units for field splicing. Integral door stops are 5/8" high. Double rabbet (SQ), single rabbet (SR), or cased opening (SC) profiles are sized to suit wall applications. Elevations conform with approved Ceco shop drawings. Jamb anchors are available for new masonry, wood stud, metal stud or existing opening wall conditions (indicate which). Floor anchors or extra jamb anchors are provided to anchor sill.

**Hardware Provisions:** Frames are handed. Hinge jambs are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). 7 gage steel reinforcements are welded in place and are drilled and tapped for fasteners in accordance with ANSI A156.7. The strike jamb is prepared for 4-7/8" universal strike in accordance with ANSI A115.1 & 2. Plaster guards are 26 gage steel. Preparations for various other mechanical and electronic locks and strikes are also available. Optional hardware reinforcement (e.g. closer/holder) is 14 gage minimum steel welded in place (designate hardware). 3 mute holes are provided per strike jamb and 2 for double swing heads.

**Paint:** Steel door frames are 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 on K.D. frames 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 selections ask for a Ceco Colorstyle chart.

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**STANDARD SIZES**

**Nominal Door Opening**

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

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**FIRE DOOR FRAMES**

**LABELING AGENCIES:**
- UNDERWRITERS LABORATORY
- WARNOCK HERSEY
- FACTORY MUTUAL

**TEST:** UL 10C, UL 109, UL 1784, & NFPA 252
- **RATING:** 20 MIN, 3/4 HR, 1 HR, 1-1/2 HR, OR 3 HR
- **MAX. SIZE:** 4'-0" x 10'-0" SINGLE 8'-0" x 10'-0" PAIR

Not all ratings are available in all sizes, elevations, and materials. Hourly ratings are not shown on label unless rating is less than 3 hours.

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**MATERIAL**

<table>
<thead>
<tr>
<th>DOOR FRAME MATERIAL</th>
<th>LEVEL</th>
<th>C.R.</th>
<th>GALV</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Gage Steel</td>
<td>Heavy or Extra Heavy Duty</td>
<td>STD</td>
<td>OPT</td>
</tr>
<tr>
<td>14 Gage Steel</td>
<td>Maximum Duty</td>
<td>STD</td>
<td>OPT</td>
</tr>
</tbody>
</table>

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

**PERFORMANCE**

Physical Endurance Level: Meets ANSI A250.4 Performance Test —— 16 & 14 gage steel: Level A (1,000,000 Cycles)

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"SUFFIX" = ACTIVE LEAF OF PAIRS  
"KS" = KEY SIDE

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