



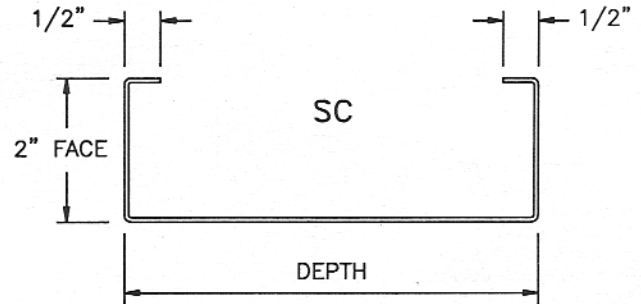
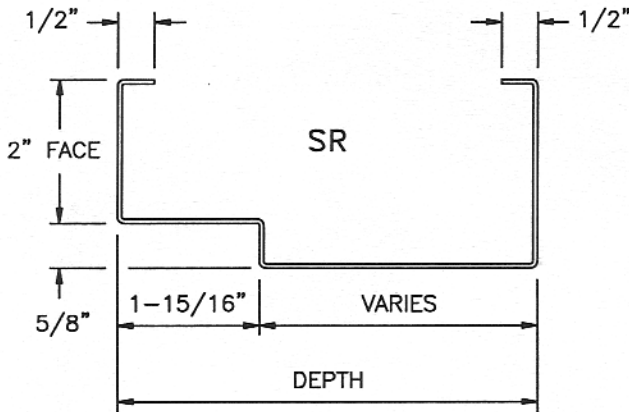
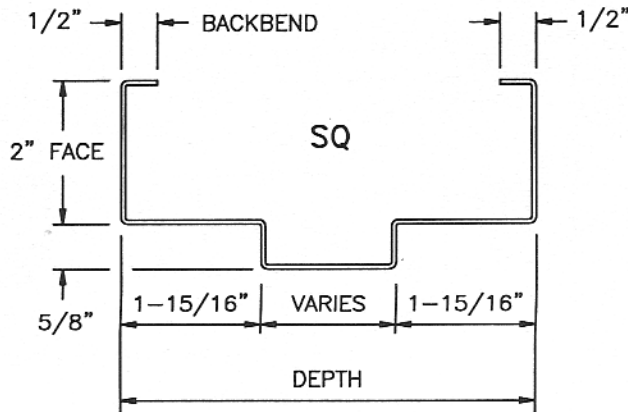
F2-1

SERIES SQ, SR, AND SC STEEL FRAMES

FOR 1-3/4" DOORS

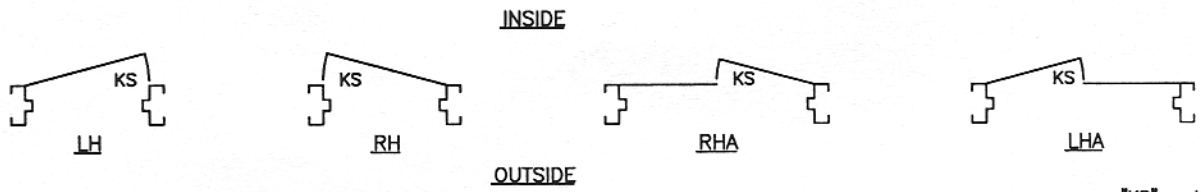
STANDARD WALL APPLICATION, HANDED

* BASIC PROFILES



* 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.

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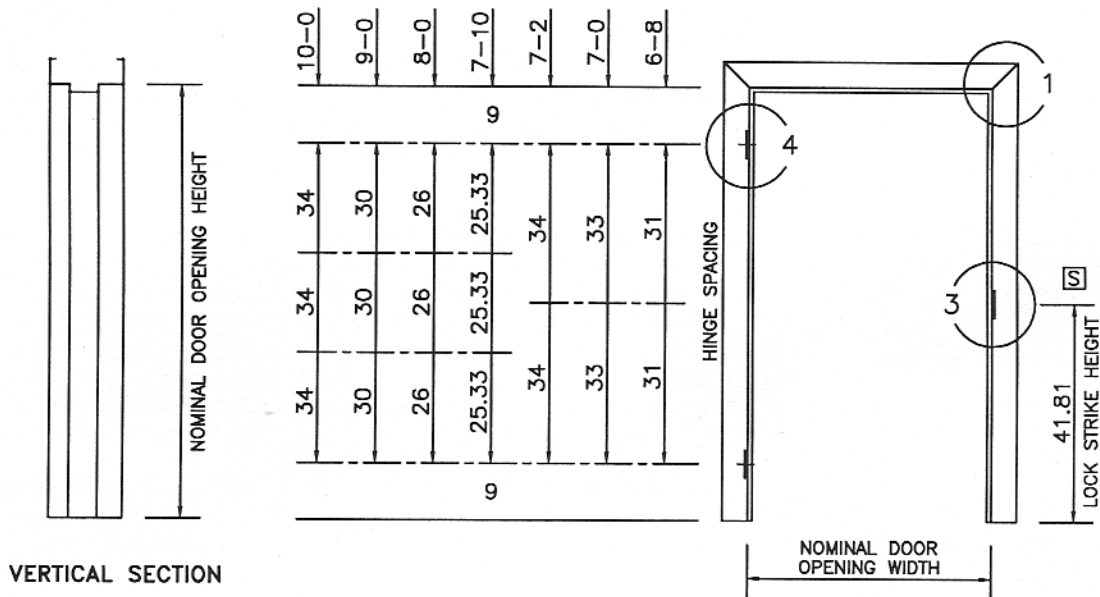
"KS" = KEY SIDE

TECH-DATA

SERIES SQ, SR, AND SC STEEL FRAMES

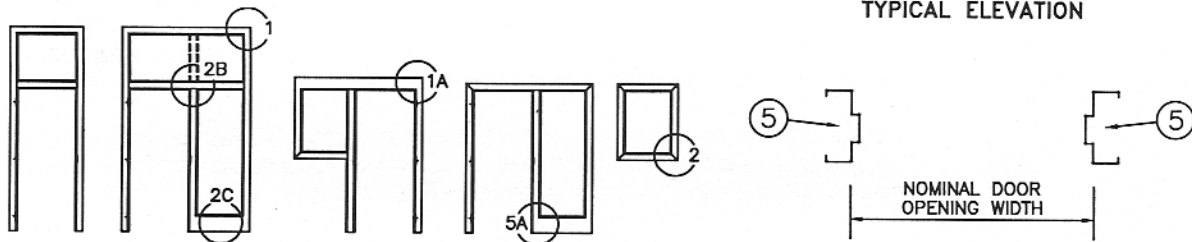
F2-2

Hardware locations shown match Ceco standard doors. Basic double rabbet profile shown ...profile variations similar.



VERTICAL SECTION

TYPICAL ELEVATION



ELEVATION EXAMPLES

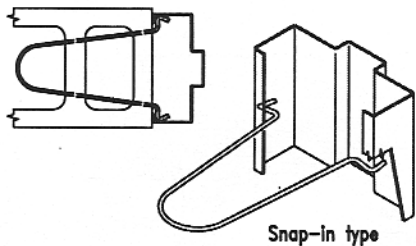
HORIZONTAL SECTION

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

JAMB ANCHOR QUANTITIES

3 PER JAMB FOR HEIGHTS UP TO 7-2 AND ONE FLOOR ANCHOR
 4 PER JAMB FOR HEIGHTS FROM 7-3 THRU 9-0 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 EO AND WS TYPE CONDITIONS

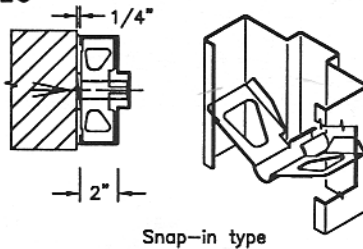
WIRE MASONRY ANCHOR WMA



Snap-in type

(For 2" thru 8-3/4" Depths)

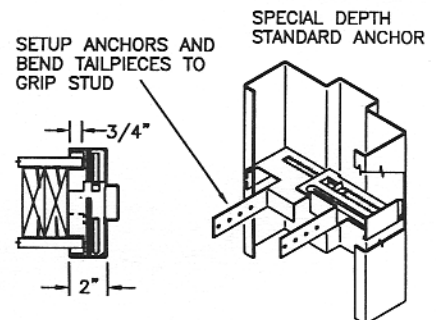
EXISTING OPENING ANCHOR EO



Snap-in type

EO/S6: 4-1/2" thru 6-3/4" depth
 EO/S8: 6-7/8" thru 9-3/4" depth

ADJUSTABLE ANCHOR FOR STUD WALLS ADJ/STUD



SETUP ANCHORS AND BEND TAILPIECES TO GRIP STUD

3-3/4" thru 8-3/4" depth

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Ceco Door Products

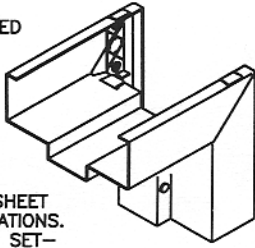
TECH-DATA

SERIES SQ, SR, AND SC STEEL FRAMES

F2-3

⑧ KNOCKED DOWN (KD) CORNERS

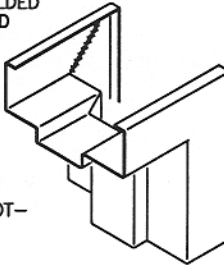
NORMALLY LIMITED TO 3 PIECE FRAMES. CORNERS ARE DIECUT. HEAD AND 2 JAMBS ARE SHIPPED KD FOR FIELD ASSEMBLY. SEE BACK OF SHEET FOR FACE LIMITATIONS. ALSO AVAILABLE SET-UP AND WELDED.



⑧ WELDED CORNERS

MITERED AND WELDED CORNER -- HEAD AND JAMB FACES MUST BE EQUAL

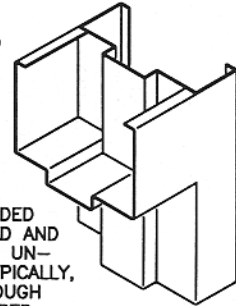
MITER SEAM IS WELDED AND FACE IS GROUND SMOOTH AND SPOT-PRIMERED.



② WELDED CORNERS

FACE SEAM IS WELDED, GROUND SMOOTH, AND SPOT PRIMERED.

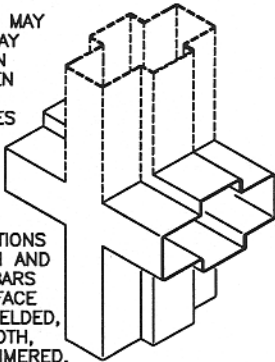
BUTTED AND WELDED CORNER -- HEAD AND JAMBS MAY HAVE UNEQUAL FACES. TYPICALLY, JAMB RUNS THROUGH AND HEAD IS COPED.



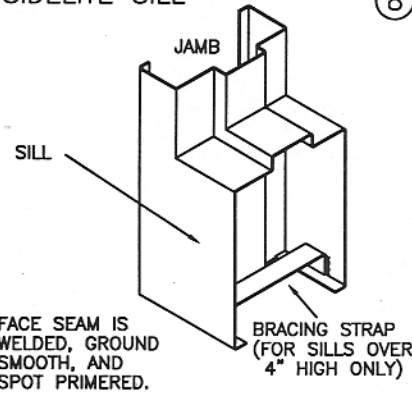
⑧ INTERSECTIONS

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 PRIMERED.



⑧ SIDELITE SILL

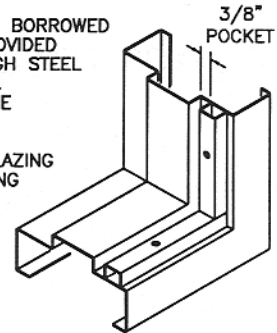


FACE SEAM IS WELDED, GROUND SMOOTH, AND SPOT PRIMERED.

④ GLAZING PROVISIONS

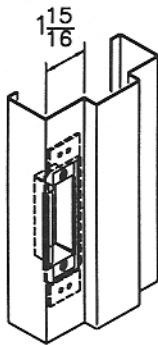
SIDELITES AND BORROWED LITES ARE PROVIDED WITH 5/8" HIGH STEEL GLAZING BEAD. FASTENERS ARE #10 FHSMs.

GLASS AND GLAZING ARE BY GLAZING CONTRACTOR.



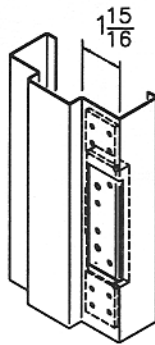
⑧ LOCK STRIKE PREPARATION

S UNIVERSAL (4-7/8") ANSI A115.1 & 2 TEMPLATE. 12 GAGE STEEL REINFORCING AND 26 GAGE PLASTER GUARD. PREPARATIONS FOR OTHER MECHANICAL OR ELECTRONIC LOCKS, EXIT, OR SECURITY DEVICES ARE ALSO AVAILABLE. ASK FOR DETAILS.



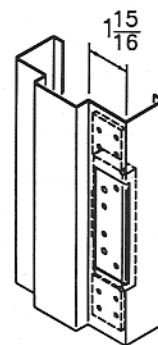
⑧ HINGE PREPARATION

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

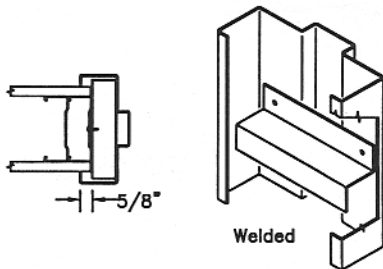


⑥ HINGE PREPARATION

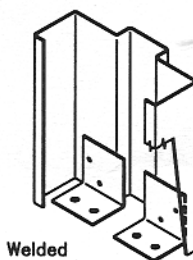
5" x .146" or 5" x .190" ANSI A156.7 TEMPLATE. 7 GAGE STEEL REINFORCMENT. PLASTER GUARD IS 26 GAGE STEEL. BACKSET: 5/16"



⑧ METAL STUD "Z" ANCHOR MSZ1

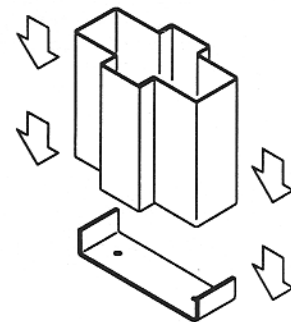


⑧ SPECIAL SIZE FLOOR ANCHOR SFA



⑨ SIDELITE FLOOR ANCHOR SLFA

IN-FIELD: FASTEN ANCHOR TO FLOOR. SLIP-FIT MULLION OVER ANCHOR



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Ceco Door Products

TECH-DATA

SERIES SQ, SR, AND SC STEEL FRAMES

F2-4

STANDARD SIZES NOMINAL DOOR OPENING

WIDTH		HEIGHT
SINGLE	DOUBLE	
2'-0"	4'-0"	
2'-4"	4'-8"	
2'-6"	5'-0"	6'-8"
2'-8"	5'-4"	7'-0"
2'-10"	5'-8"	7'-2"
3'-0"	6'-0"	7'-10"
3'-4"	6'-8"	8'-0"
3'-6"	7'-0"	9'-0"
3'-8"	7'-4"	
3'-10"	7'-8"	
4'-0"	8'-0"	

FIRE DOOR FRAMES

LABELING AGENCIES:

- UNDERWRITERS LABORATORY
- WARNOCK HERSEY
- FACTORY MUTUAL

TEST: ASTM E-152, UL10B,
UBC 43-2

• RATING: 20 MIN, 3/4 HR,
1 HR, 1-1/2 HR, OR 3 HR

• MAX. SIZE: 40 x 90 SINGLE
80 x 90 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.

PRODUCT SPECIFICATIONS:

Steel door frames shall be as manufactured by Ceco Door Products, Milan, TN or Oklahoma City, OK, USA. They shall conform to the Steel Door Institute guide specification, ANSI A250.8-1998. 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 A366 or A620 & A568 ...or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653 - see chart below.

3 piece door frames are shipped knocked down or welded. Transoms, sidelites 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 A 115.1 & 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 12 gage steel welded in place (designate hardware). 3 door mutes are provided per strike jamb and 2 for double swing heads.

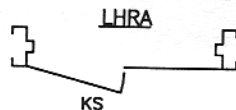
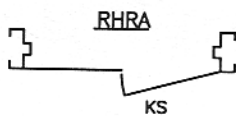
Paint: Steel door frames are provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting.

MATERIAL

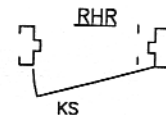
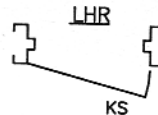
DOOR FRAME MATERIAL	GRADE	C.R.	GALV	
			A60	G90
16 Gage Steel	Heavy Duty	STD	OPT	OPT
14 Gage Steel	Extra heavy Duty	STD	OPT	OPT

PERFORMANCE

Physical Endurance Level:	Meets S.D.I. 119 Performance Test, Level A (1,000,000 Cycles)
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INSIDE



OUTSIDE

"SUFFIX A" = ACTIVE LEAF OF PAIRS

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