

GENERAL INFORMATION

Steelcraft's hardware locations are the same from product to product.

The ANSI A115.1 or ANSI A115.2 (4 7/8" [124mm] high) strike preparation is normally supplied on all frames prepared for 1 3/4" (45mm) thick doors. The strike is located at 40 5/16" centerline (1024mm) from the bottom of the frame. This strike locations allows the use of either the Mortise (ANSI A115.1) or Cylindrical (ANSI A115.2) locks. The 4 7/8" (124mm) strike also allows the use of mortise exit devices.

The ANSI A115.3 (2 3/4" [70mm] high) strike preparation is normally supplied on frames for 1 3/8" (35mm) thick doors. The strike preparation is also located at 40 5/16" centerline (1024mm) from the bottom of the frame.

LOCATIONS:

Steelcraft's hinge locations are listed on the elevations shown on 8.2.2 and 8.2.3. All openings for 1 3/4" (45mm) doors up to and including 7'6" (2286mm) in height have 1 1/2 pair of hinges. Openings over 7'6" (2286mm) through 10'0" (3048mm) in height have 2 pair of hinges. Openings over 10'0" (3048mm) have 2 1/2 pair of hinges.

Other hardware locations are shown on the chart below.

SPECIFICATION COMPLIANCE

Steelcraft's hardware locations follow the standards established by the Steel Door Institute (SDI) and the Door and Hardware Institute (DHI).

FIRE RATINGS

Fire ratings are not affected by hardware locations. The proper hardware must be used. Refer to the Fire Rated Section of the Steelcraft Spec Manual for hardware requirements.

Hardware	Location on Frame to CL of prep	Location on Door to CL of prep
ANSI 115.1 mortise lock	40-5/16" (1024mm)	39-3/16" (995mm)
ANSI 115.2 cylindrical (bored in) locks	40-5/16" (1024mm)	39-9/16" (1005mm)
ANSI A115.6 preassembled locks	40-5/16" (1024mm)	39-9/16" (1005mm)
Mortise exit devices	See Note 1	See Note 1
Rim/vertical rod exit devices	See Note 2	See Note 2
Deadlock	48" (1219mm)	To accommodate strike
Push plate	Not available	44-1/4" (1124mm)
Pull plate	Not available	41-1/4" (1048mm)
Combinations push & pull bars	Not available	41-1/4" (1048mm)
Hospital latches	40-5/16" (1024mm)	39-9/16" (1005mm)
Hospital arm pulls	Not available	44-1/4" (1124mm)
Hinges	See elevations	See elevations

- Notes:
- Standard location for single doors is to match the ANSI A115.1 strike location of 40-5/16" (1024mm) from the bottom of the frame. Pairs of doors are located per template to insure the devices on both leaves align.
 - Rim and vertical rod exit devices are located per template.
 - Locations on frame are from bottom of frame.
 - Locations on door are from bottom of door (with the standard 3/4" undercut).

DOORS AND FRAMES WITH 1-1/2" PAIR OF HINGES

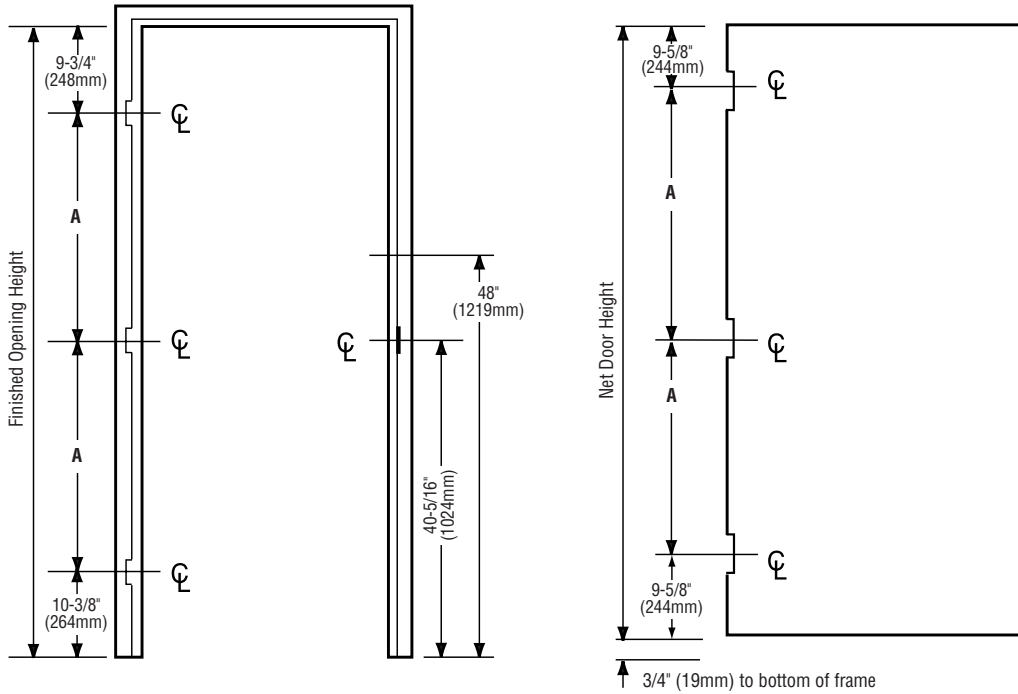


Chart 1

Door Opening Height	Dimension A
6'8" (2032mm)	29 ¹⁵ / ₁₆ " (760mm)
7'0" (2134mm)	31 ¹⁵ / ₁₆ " (811mm)
7'2" (2184mm)	32 ¹⁵ / ₁₆ " (837mm)
7'6" (2286mm)	34 ¹⁵ / ₁₆ " (887mm)

DOORS AND FRAMES WITH 2 PAIR OF HINGES

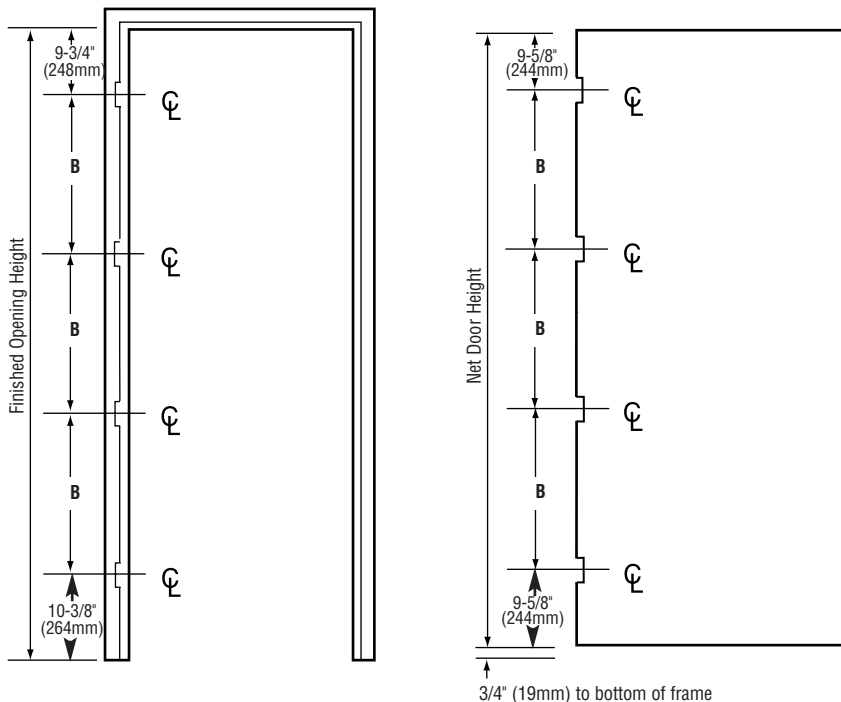


Chart 2

Door Opening Height	Dimension B
6'8" (2032mm)‡	19 ⁶¹ / ₆₄ " (506mm)
7'0" (2134mm)‡	21 ¹⁹ / ₆₄ " (541mm)
7'2" (2184mm)‡	21 ⁶¹ / ₆₄ " (558mm)
7'6" (2286mm)‡	23 ¹⁹ / ₆₄ " (592mm)
7'10" (2388mm)	24 ⁵ / ₈ " (625mm)
8'0" (2438mm)	25 ¹⁹ / ₆₄ " (643mm)
8'6" (2591mm)	27 ¹⁹ / ₆₄ " (693mm)
8'10" (2692mm)	28 ⁵ / ₈ " (727mm)
9'0" (2743mm)	29 ¹⁹ / ₆₄ " (744mm)
9'6" (2896mm)	31 ¹⁹ / ₆₄ " (795mm)
9'10" (2997mm)	32 ⁵ / ₈ " (829mm)
10'0" (3048mm)	33 ¹⁹ / ₆₄ " (846mm)

- Notes:**
- Steelcraft standard hinge spacing for doors up to and including 7'6" (2286mm) high is 1 1/2 pairs (3 hinges) as shown in Chart 1. Information shown in Chart 2 is for reference when 4 hinges are specified for those door heights.
 - Steelcraft standard for doors over 10'0" (3048mm) is 2 1/2 pairs (5 hinges). See Chart 3.
 - For special door heights, dimensions A and B will vary accordingly unless specified differently.

DOORS AND FRAMES WITH 2-1/2" PAIR OF HINGES

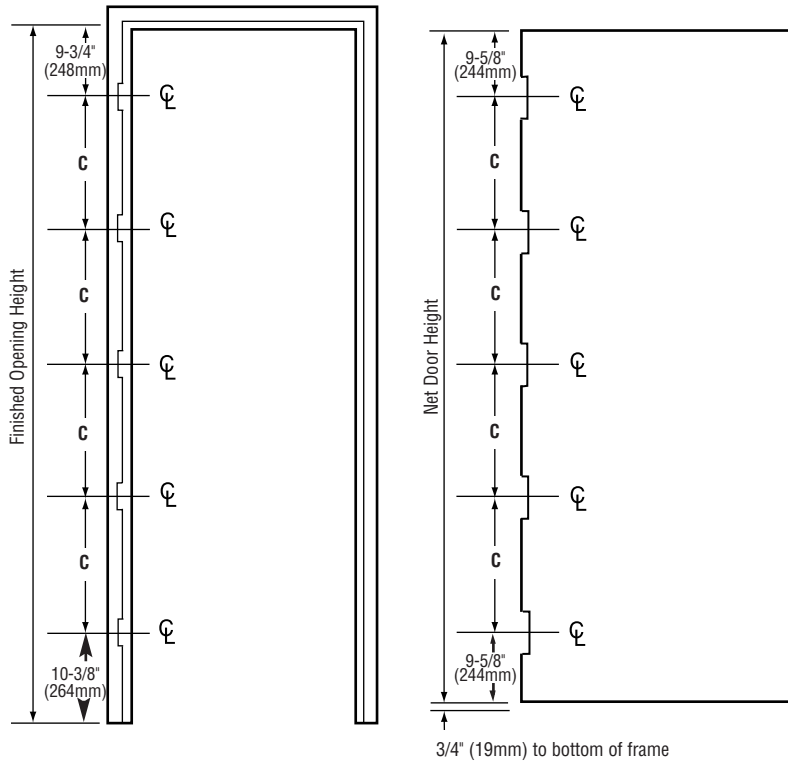


Chart 3

Door Opening Height	Dimension C
10'2" (3099mm)	25 ¹⁵ / ₃₂ " (647mm)
10'4" (3150mm)	25 ³¹ / ₃₂ " (660mm)
10'6" (3200mm)	26 ¹⁵ / ₃₂ " (672mm)
10'8" (3251mm)	26 ³¹ / ₃₂ " (685mm)
10'10" (3302mm)	27 ¹⁵ / ₃₂ " (698mm)
11'0" (3353mm)	27 ³¹ / ₃₂ " (710mm)

DUTCH DOORS AND FRAME

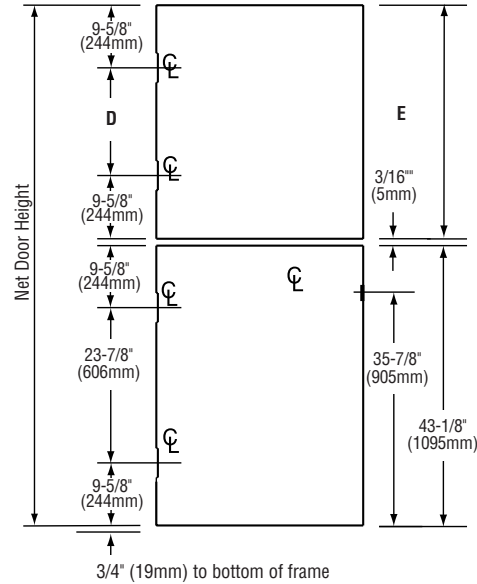
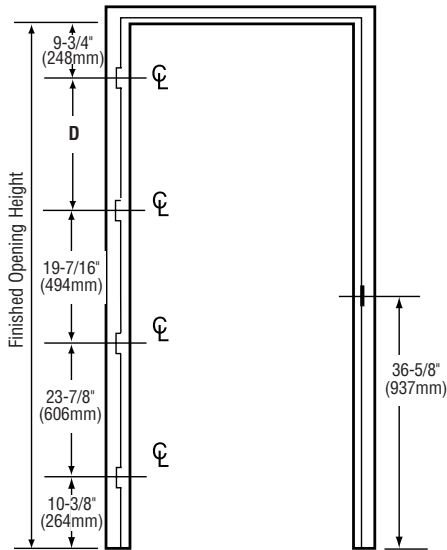


Chart 4

Door Opening Height	Dimension	
	D	E
6'8" (2032mm)	16 ⁹ / ₁₆ " (421mm)	35 ¹³ / ₁₆ " (910mm)
7'0" (2134mm)	20 ⁹ / ₁₆ " (522mm)	39 ¹³ / ₁₆ " (1011mm)
7'2" (2184mm)	22 ⁹ / ₁₆ " (573mm)	41 ¹³ / ₁₆ " (1062mm)

Note: For Fire Rated Hardware requirements, refer to the Fire Rated Section. An additional listed latch is required in the top leaf.