

# Type CC-HD-6MS

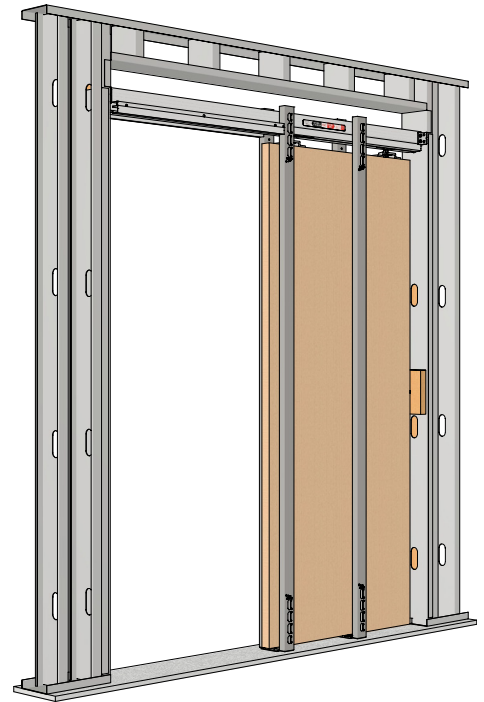
## Installation Instructions

For doors 30 in [762 mm] to 72 in [1829 mm] wide

**KNC**  
Catch 'N' Close

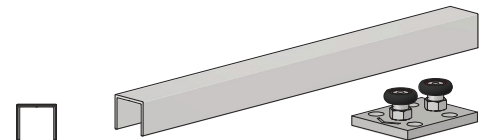
### Heavy-duty 6MS Crowder Frame System

- Crowder Frame is a complete pocket door kit system that includes roll formed steel uprights to build the pocket for 6 in [152.4 mm] metal stud wall construction
- The complete Crowder Frame kit provides quicker and easier installation than a traditional pocket built on site
- Integrating our best-selling Catch 'N' Close system prevents bouncing and slamming of the sliding door
- Catch 'N' Close can be installed on both opening and closing ends of doors
- The revolutionary Catch 'N' Close Slot allows for easy maintenance of the Catch 'N' Close Closing Devices without removing trim, door or having to open walls
- Cycle tested up to 150,000 times
- Up to 200 lbs. [90 kg] doors (Type CC-2HD-6MS)  
or 300 lbs. [136 kg] doors (Type CC-3HD-6MS)
- This installation instructions is suitable for doors:  
30 in [762 mm] to 72 in [1829 mm] wide and  
78 in [1981 mm] to 120 in [3048 mm] high and  
1 3/4 in [44.5 mm] to 3 in [76.2 mm] thick
- For double/bi-parting door kits, use two single door kits with **CPD-6MS-Joiner Kit** accordingly, refer to installation instructions **CPD-6MS-Joiner Kit**
- Complete with **C-914** Guide Channel & **CP-913-2** Pocket Guide system
- It is strongly recommended to use edge pulls or door locks with integrated edge pulls and flush pulls for easy operation of pocket doors,  
visit <http://www.kncrowder.com/doorlocks-pulls/> for options
- KN Crowder recommends: **C-90L-ET** privacy lockset, **C-90L-CT** security lockset or **C-91-BB** passage set



Complete Type CC-HD-6MS kit illustrated.  
Framing by others.

INSTALL  
VIDEO



### Table of Contents

#### Product Details & Dimensions

- 2 Section View
- 3 Plan View & Elevation View
- 4 Parts' List

#### Required Pre-Installation

- 6 Rough Opening Size

#### Installation

- 7 Installing with Door Prior to Drywall
- 17 Troubleshooting
- 18 Installing Drywall Prior to Door

#### Suggested Finishing & Dimensions

- 21 Section View
- 22 Plan View
- 22 Finishing Steps

#### Template

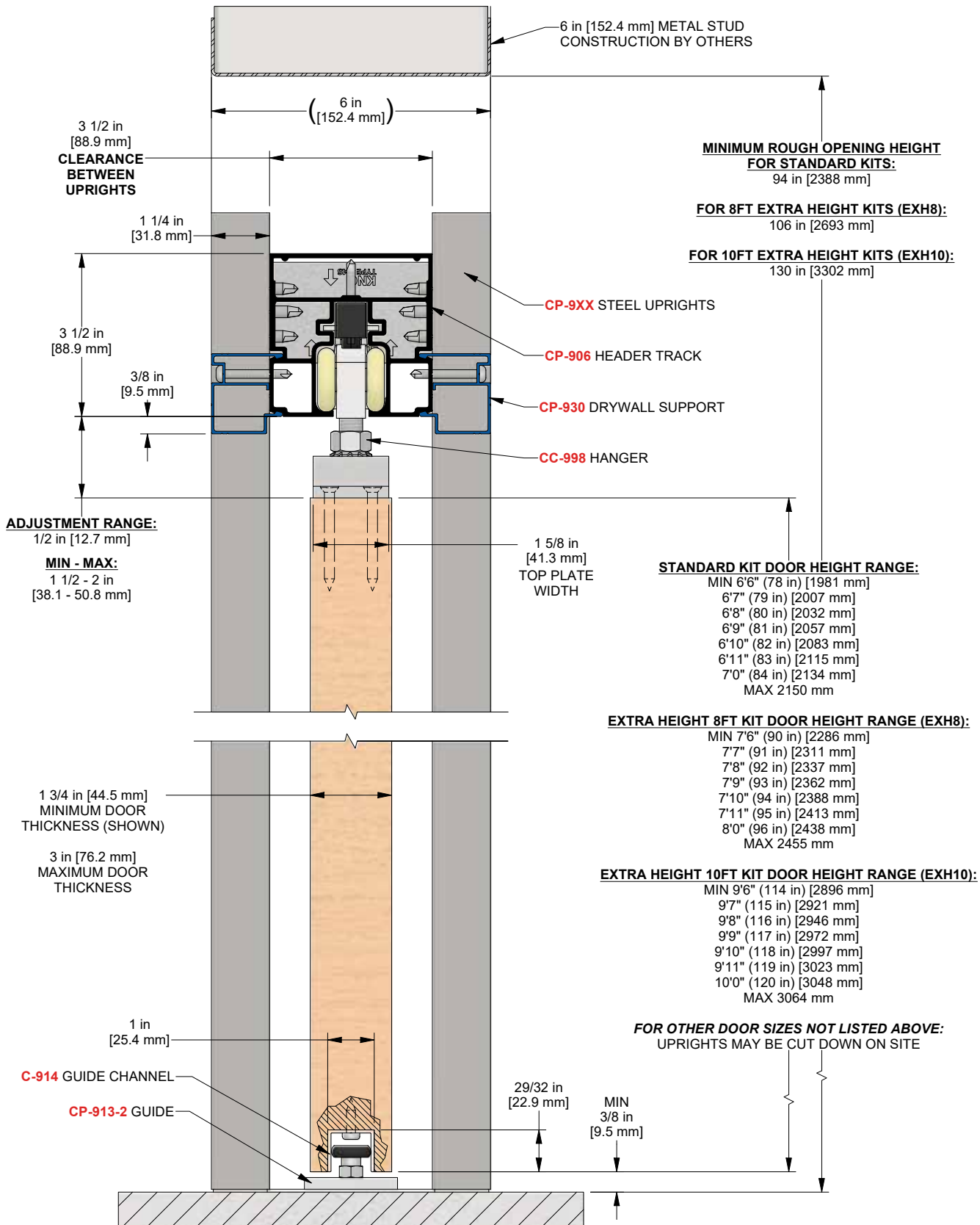
- 23 Top Plate Location

#### Overview

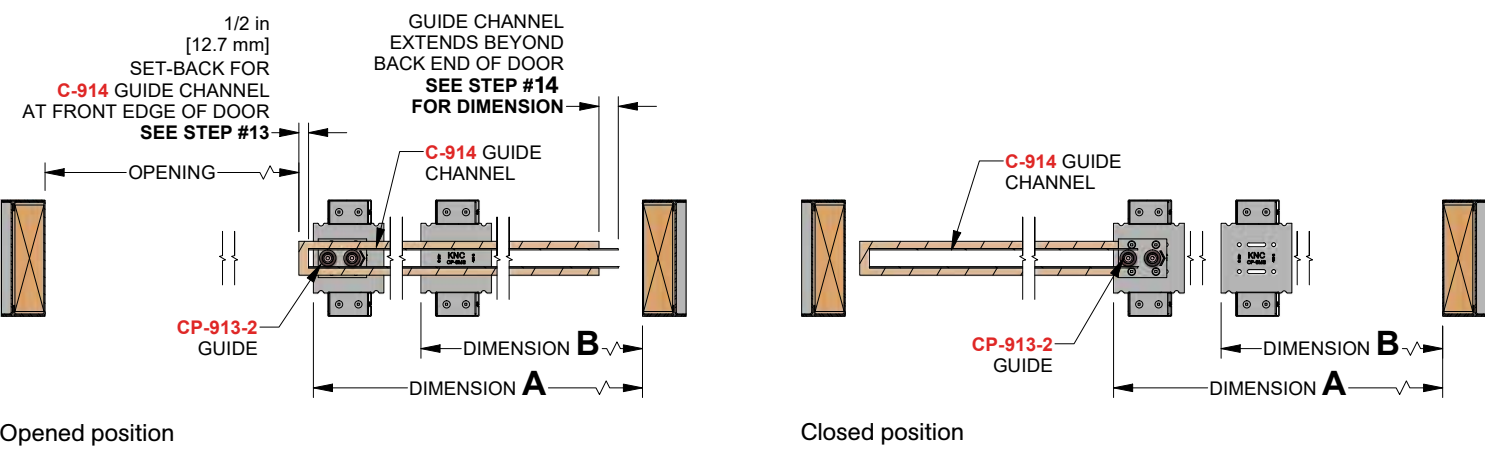
- 24 How It All Comes Together

# Product Details & Dimensions

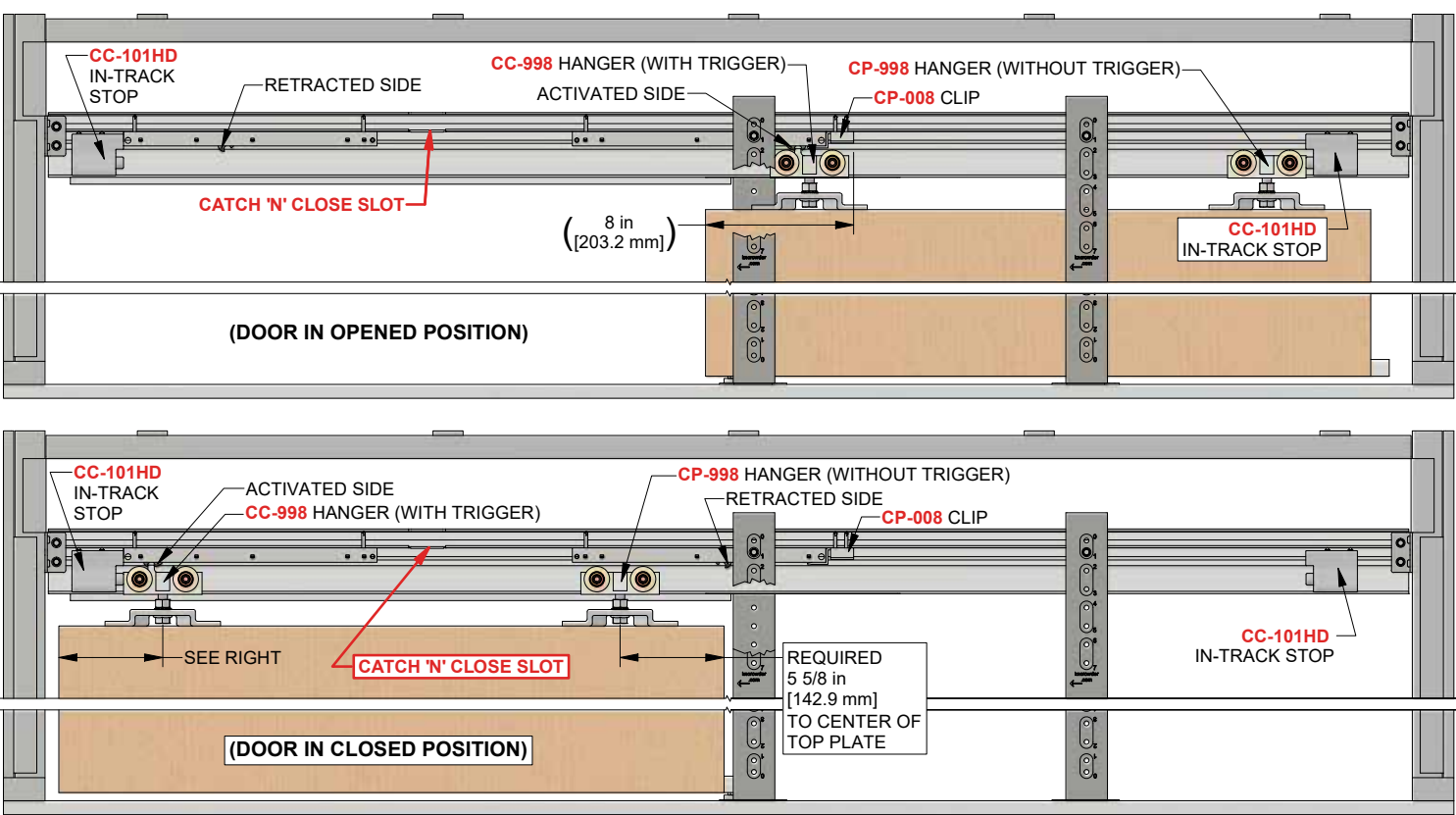
## Section View



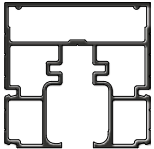
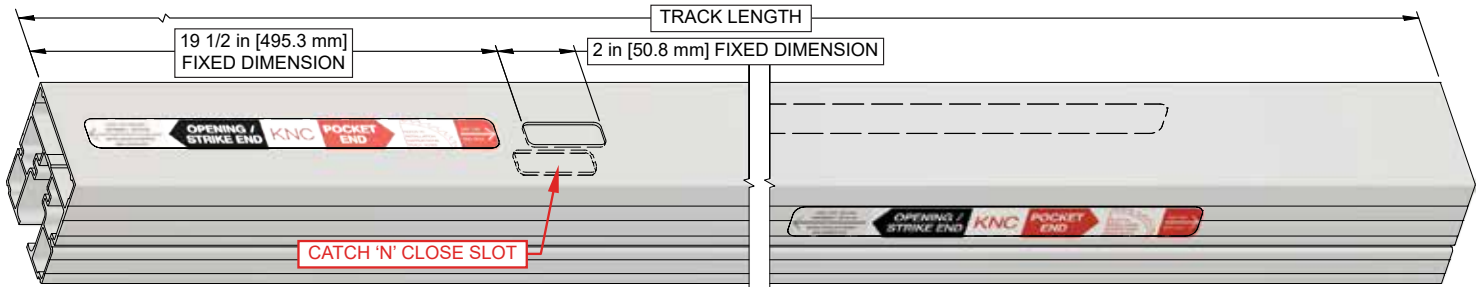
# Plan View



# Elevation View



# Parts' List



## CP-906-RS Header Track x (length options listed below)

For Type CC-HD-6MS for doors up to 36 in [914 mm] wide:

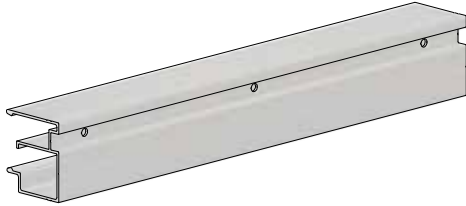
**(1) piece x 73 5/8 in [1870 mm]**

For Type CC-HD-6MS-EXW4 for doors up to 48 in [1219 mm] wide:

**(1) piece x 99 5/8 in [2531 mm]**

For Type CC-HD-6MS-EXW6 for doors up to 72 in [1829 mm] wide:

**(1) piece x 147 5/8 in [3750 mm]**



## CP-930 Drywall Support x (quantity and length options listed below)

For Type CC-HD-6MS for doors up to 36 in [914 mm] wide:

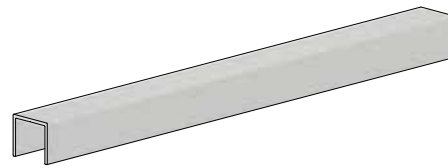
**(2) pieces x 35 3/4 in [908 mm]**

For Type CC-HD-6MS-EXW4 for doors up to 48 in [1219 mm] wide:

**(2) pieces x 47 3/4 in [1213 mm]**

For Type CC-HD-6MS-EXW6 for doors up to 72 in [1829 mm] wide:

**(2) pieces x 71 3/4 in [1823 mm]**



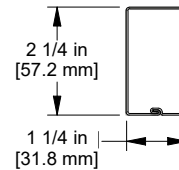
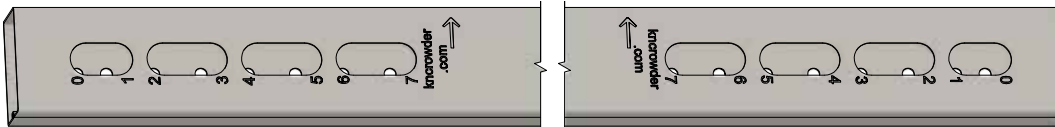
## C-914 Guide Channel x length (1)

For doors up to 36 in [914 mm] wide:

**(Length = door width + 1/2 in [12.7 mm], example:  
36 in [914 mm] door = 36 1/2 in [927 mm] guide channel)**

For doors greater than 37 in [939 mm] up To 72 in [1829 mm] wide:

**(Length = door width + 2 in [50.8 mm], example:  
48 in [1219 mm] door = 50 in [1270 mm] guide channel)**



## Steel uprights (quantity and part number options listed below)

For Type CC-HD-6MS for doors up to 36 in [914 mm] wide x 84 in [2134 mm]/2150 mm high:

**(4) CP-907 Steel Upright (90 1/2 in [2299 mm] long)**

For Type CC-HD-6MS-EXH8 for doors up to 36 in [914 mm] wide x 96 in [2438 mm]/2455 mm high:

**(4) CP-908 Steel Upright (102 1/2 [2604 mm] long)**

For Type CC-HD-6MS-EXH10 for doors up to 36 in [914 mm] wide x 120 in [3048 mm] high:

**(4) CP-910 Steel Upright (126 1/2 in [3213 mm] long)**

For Type CC-HD-6MS-EXW4 for doors up to 48 in [1219 mm] wide x 84 in [2134 mm]/2150 mm high:

**(6) CP-907 Steel Upright (90 1/2 in [2299 mm] long)**

For Type CC-HD-6MS-EXW4H8 for doors up to 48 in [1219 mm] wide x 96 in [2438 mm]/2455 mm high:

**(6) CP-908 Steel Upright (102 1/2 in [2604 mm] long)**

For Type CC-HD-6MS-EXW4H10 for doors up to 48 in [1219 mm] wide x 120 in [3048 mm] high:

**(6) CP-910 Steel Upright (126 1/2 in [3213 mm] long)**

For Type CC-HD-6MS-EXW6 for doors up to 72 in [1829 mm] wide x 84 in [2134 mm]/2150 mm high:

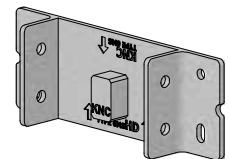
**(10) CP-907 Steel Upright (90 1/2 in [2299 mm] long)**

For Type CC-HD-6MS-EXW6H8 for doors up to 72 in [1829 mm] wide x 96 in [2438 mm]/2455 mm high:

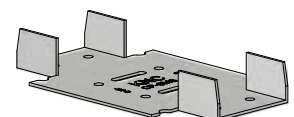
**(10) CP-908 Steel Upright (102 1/2 in [2604 mm] long)**

For Type CC-HD-6MS-EXW6H10 for doors up to 72 in [1829 mm] wide x 120 in [3048 mm] high:

**(10) CP-910 Steel Upright (126 1/2 in [3213 mm] long)**



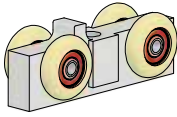
## CP-HB6MS Header Bracket (2)



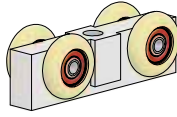
## CP-6MS Foot Bracket (2)

-EXW4 (3)

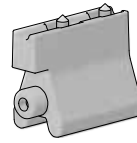
-EXW6 (5)



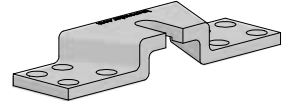
**CC-912 Hanger Body (1)**  
(c/w wheels)



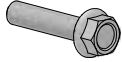
**CP-912 Hanger Body (1)**  
(c/w wheels)



**CC-101HD Catch 'N' Close  
In-Track Stop (2)**



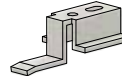
**C-998 Top Plate (2)**



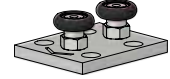
**1/2-13 X 2 1/4" Hex  
Flange Bolt (2)**  
[FT34]



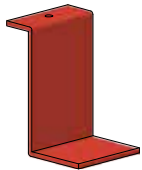
**1/2-13 K-Lock Nut (2)**  
[FT33]



**CP-008 Catch 'N' Close  
Crowder Frame Clip (1)**



**CP-913-2 Pocket Guide (1)**



**CP-009-CLT Clip  
Locator Tool (1)**



**CC-2 or CC-3 Catch 'N' Close Closing Device (2)**  
(see details in instruction steps)



**CP-009-Clip Locator Sticker (1)**



**3/16" Spacer Washer (8)**  
[FT12]



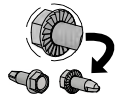
**C-99 Rubber  
Dome Bumper (1)**



**#10 x 1-1/2" Flathead Screw (4)**  
[FT7]



**#10 x 1-1/2" Self-Drilling Screw (12)**  
-EXW6 (16)  
[FT5]



**1/4"-#14 x 3/4" Hex Tek Screw (14)**  
-EXW6 (18)  
[FT36]



**#6 X 1" Fine Thread  
Drywall Screw (60)**  
-EXW6 (120)  
[FT30]



**#10 X 3/4" Pan Head Screw (16)**  
-EXW6 (26)  
[FT3]



**#10 X 1" Self-Drilling Screw (2)**  
[FT26]



**#10 X 1 1/4" Pan Head Screw (9)**  
[FT4]



**#12 X 2 1/4" Flathead  
Wood Screw (16)**  
[FT52]

\* Extra fasteners may be included

## Tools required (not supplied)

Ladder  
Measuring Tape  
Chalk Line  
Chop Saw or Hacksaw  
(for cutting aluminum)

Level  
Pencil  
Marker  
Drill  
Impact Driver

Ø1/8 in drill bit  
Ø9/64 in drill bit  
3/8 in Hex driver bit  
#2 Robertson driver bit

#2 Robertson screw driver  
1/2 in Wrench  
Rubber Mallet  
Air Gun or Cloth

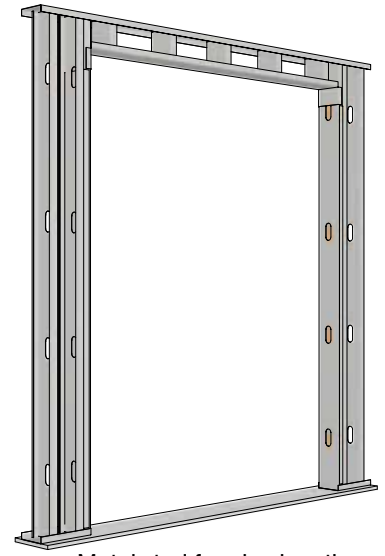
# Required Pre-Installation

**Note: Read carefully - contains information which if not followed may void warranty or cause injury to users**

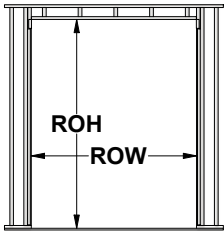
All testing on this product has been completed with 6 in [152.4 mm] metal stud framing with integrated lumber framing for rough opening to provide sufficient structural support for Crowder Frame pocket door kits. (Framing details may differ based on region. Refer to your region's building codes for framing details). To ensure proper support is provided when using metal studs, verification by a certified structural engineer is required.

For 2X6 (5 1/2 in [139.7 mm]) lumber framing, please refer to KN Crowder's 2X6 Crowder Frame pocket door kits for details.

KN Crowder is not responsible for framing details. KN Crowder's warranty will not cover any issues that result from incorrect structural support/framing details.



Metal stud framing by others



## Single door opening

Rough opening height (ROH) from finished floor:

At least 94 in [2388 mm] high for doors up to 84 in (7'-0") or 2150 mm

At least 106 in [2693 mm] high for doors up to 96 in (8'-0") or 2455 mm (-EXH8 kits)

At least 130 in [3302 mm] high for doors up to 120 in (10'-0") or 3064 mm (-EXH10 kits)

## Double/bi-parting door opening

Refer to CPD-6MS-Joiner Kit installation instructions [Chart CPD-6MS-A](#) for rough opening sizes.

## Chart A: Rough opening size & track length

Door width			Rough opening width (row):		CP-906 Track length required:	
30 in	(2'-6")	[762 mm]	62 in	[1575 mm]	61 5/8 in	[1565 mm]
32 in	(2'-8")	[813 mm]	66 in	[1676 mm]	65 5/8 in	[1667 mm]
34 in	(2'-10")	[864 mm]	70 in	[1778 mm]	69 5/8 in	[1769 mm]
36 in	(3'-0")	[914 mm]	74 in	[1880 mm]	73 5/8 in	[1870 mm]
38 in	(3'-2")	[965 mm]	80 in	[2032 mm]	79 5/8 in	[2023 mm]
40 in	(3'-4")	[1016 mm]	84 in	[2134 mm]	83 5/8 in	[2124 mm]
42 in	(3'-6")	[1067 mm]	88 in	[2235 mm]	87 5/8 in	[2226 mm]
44 in	(3'-8")	[1118 mm]	92 in	[2337 mm]	91 5/8 in	[2327 mm]
46 in	(3'-10")	[1168 mm]	96 in	[2438 mm]	95 5/8 in	[2429 mm]
48 in	(4'-0")	[1219 mm]	100 in	[2540 mm]	99 5/8 in	[2531 mm]
50 in	(4'-2")	[1270 mm]	104 in	[2642 mm]	103 5/8 in	[2632 mm]
52 in	(4'-4")	[1321 mm]	108 in	[2743 mm]	107 5/8 in	[2734 mm]
54 in	(4'-6")	[1372 mm]	112 in	[2845 mm]	111 5/8 in	[2835 mm]
56 in	(4'-8")	[1422 mm]	116 in	[2946 mm]	115 5/8 in	[2937 mm]
58 in	(4'-10")	[1473 mm]	120 in	[3048 mm]	119 5/8 in	[3039 mm]
60 in	(5'-0")	[1524 mm]	124 in	[3150 mm]	123 5/8 in	[3140 mm]
62 in	(5'-2")	[1575 mm]	128 in	[3251 mm]	127 5/8 in	[3242 mm]
64 in	(5'-4")	[1626 mm]	132 in	[3353 mm]	131 5/8 in	[3343 mm]
66 in	(5'-6")	[1676 mm]	136 in	[3454 mm]	135 5/8 in	[3445 mm]
68 in	(5'-8")	[1727 mm]	140 in	[3556 mm]	139 5/8 in	[3547 mm]
70 in	(5'-10")	[1778 mm]	144 in	[3658 mm]	143 5/8 in	[3648 mm]
72 in	(6'-0")	[1829 mm]	148 in	[3759 mm]	147 5/8 in	[3750 mm]

Track length  
equal to:  
2x door width  
+  
1 5/8 in [41.3 mm]

Track length  
equal to:  
2x door width  
+  
3 5/8 in [92.1 mm]



# Installation Steps

## If Installing with Door Prior to Drywall

### Step #1:

On one side of rough opening, secure one CP-HB6MS Header Bracket (orientation as shown below in detail "HB") to jamb with (4) #10 x 1 1/4" Pan Head Screws [FT4] at required height based on [Chart B](#).

### Header bracket height:

Dimensions shown below for header bracket height are taken from finished floor. If finished floor will be installed after pocket door kit, add finished floor thickness to header bracket height.

Example: 84 in [2134 mm] high door with 3/4 in thick floor = 89 1/2 in [2273 mm] + 3/4 in [19.1 mm] = 90 1/4 in [2292 mm] new header height from sub floor (below finished floor).

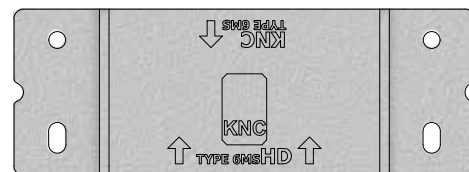
**Note: Foot brackets must be shimmed to level of finished floor. See step #9 for details.**

### Step #2:

On opposite side of opening, secure second CP-HB6MS Header Bracket to jamb at same header bracket height from **step #1** with (2) #10 x 1 1/4" Pan Head Screws [FT4] through two oblong holes on bracket. It is recommended to only secure this bracket with two screws to allow for plumb adjustment when installing track in **step #7**.

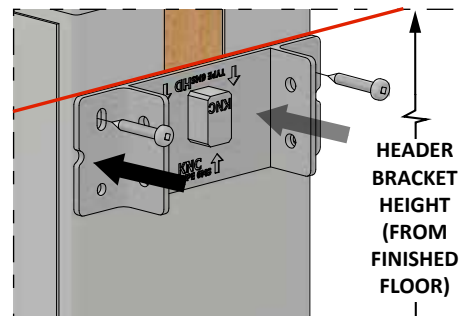
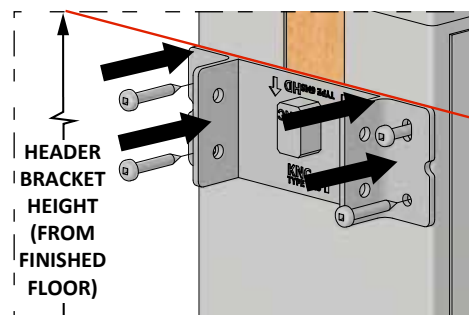
## Chart B: Header bracket height & upright hole slot ID

Door height			Header bracket height measurement from finished floor	Type CC-HD upright hole ID
78 in	(6'-6")	[1981 mm]	83 1/2 in [2121 mm]	7
79 in	(6'-7")	[2007 mm]	84 1/2 in [2146 mm]	6
80 in	(6'-8")	[2032 mm]	85 1/2 in [2172 mm]	5
81 in	(6'-9")	[2057 mm]	86 1/2 in [2197 mm]	4
82 in	(6'-10")	[2083 mm]	87 1/2 in [2223 mm]	3
83 in	(6'-11")	[2108 mm]	88 1/2 in [2248 mm]	2
84 in	(7'-0")	[2134 mm]	89 1/2 in [2273 mm]	1
84 5/8 in	(7'-0 5/8")	[2150 mm]	90 1/8 in [2289 mm]	0
<b>Below for -EXH8 kits</b>				
90 in	(7'-6")	[2286 mm]	95 1/2 in [2426 mm]	7
91 in	(7'-7")	[2311 mm]	96 1/2 in [2451 mm]	6
92 in	(7'-8")	[2337 mm]	97 1/2 in [2477 mm]	5
93 in	(7'-9")	[2362 mm]	98 1/2 in [2502 mm]	4
94 in	(7'-10")	[2388 mm]	99 1/2 in [2527 mm]	3
95 in	(7'-11")	[2413 mm]	100 1/2 in [2553 mm]	2
96 in	(8'-0")	[2438 mm]	101 1/2 in [2578 mm]	1
96 5/8 in	(8'-0 5/8")	[2455 mm]	102 1/8 in [2594 mm]	0
<b>Below for -EXH10 kits</b>				
114 in	(9'-6")	[2896 mm]	119 1/2 in [3035 mm]	7
115 in	(9'-7")	[2921 mm]	120 1/2 in [3061 mm]	6
116 in	(9'-8")	[2946 mm]	121 1/2 in [3086 mm]	5
117 in	(9'-9")	[2972 mm]	122 1/2 in [3112 mm]	4
118 in	(9'-10")	[2997 mm]	123 1/2 in [3137 mm]	3
119 in	(9'-11")	[3023 mm]	124 1/2 in [3162 mm]	2
120 in	(10'-0")	[3048 mm]	125 1/2 in [3188 mm]	1
120 5/8 in	(10'-0 5/8")	[3064 mm]	126 1/8 in [3204 mm]	0



Detail "HB"

HD oriented up



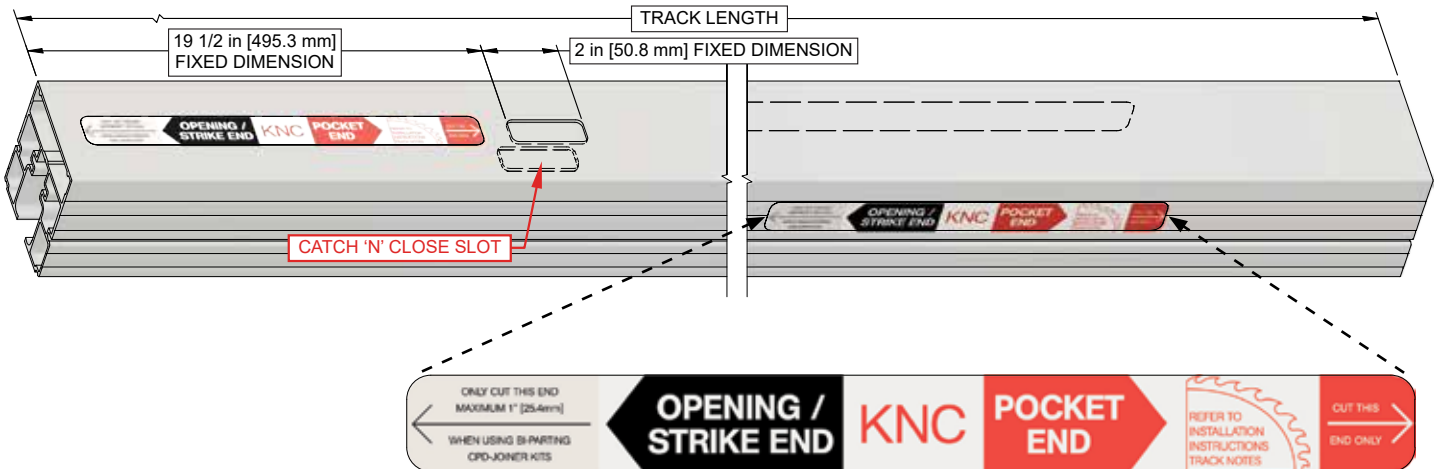
### Step #3:

Cut CP-906 aluminum header track per **Track Notes** shown below:

## !! Important !!

### Track Notes:

The supplied CP-906 Track features a Catch 'N' Close Slot along with stickers strategically placed as shown below. This Catch 'N' Close Slot is required to install and remove Catch 'N' Close Closing Devices without removing door, trim or opening wall. To cut correctly follow notes and details below:



### For single door kit:

#### For doors up to 36 in [914 mm] wide

Length is equal to 2 x door width + 1 5/8 in [41.3 mm]. See column "CP-906 Track length required" in **Chart A** for track lengths based on door widths.

#### For doors greater than 37 in [939 mm] up to 72 in [1829 mm] wide

Length is equal to 2 x door width + 3 5/8 in [92.1 mm]. See column "CP-906 Track length required" in **Chart A** for track lengths based on door widths.

If track needs to be cut down, cut from "pocket end" of track (indicated by track stickers) as shown.

Catch 'N' Close Slot should remain the same distance from "opening/strike end" of track (indicated by track stickers).

### For double/bi-parting door kit:

Before cutting CP-906 to final size, refer to **steps #CPD-2 & CPD-3** in CPD-6MS-Joiner Kit installation instructions before proceeding. **Failure to do so may result in incorrect location and loss of functionality of Catch 'N' Close Slot.**

### Step #4:

Assemble CC-998 & CP-998 Catch 'N' Close Hangers as shown below:

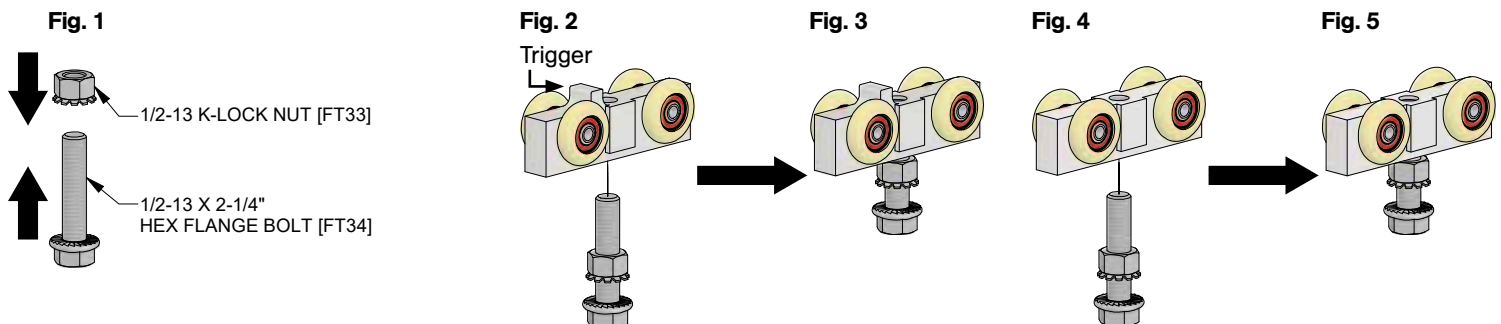
**Fig. 1** Thread CC-998 lock washer nut onto 1/2-13 hex head flange bolt with washer of k-lock nut facing bolt head

**Fig. 2** Thread assembly from fig. 1 into CC-912 Hanger Body from underside (side opposite the trigger), do not thread in fully.

**Fig. 3** Completed CC-998 Hanger assembly (1 x required).

**Fig. 4** Thread assembly from fig. 1 into CP-912 Hanger Body from underside (side where wheels do not go past body), do not thread in fully.

**Fig. 5** Completed CP-998 Hanger assembly (1 x required).





**Step #5:**

On "opening/strike end" of track (refer to track stickers), slide CP-008 Clip (▲) into upper track section in direction shown below.

**Note: Only CC-998 Hanger (★) is equipped with Catch 'N' Close trigger and must be oriented correctly for proper operation of door (see below).**

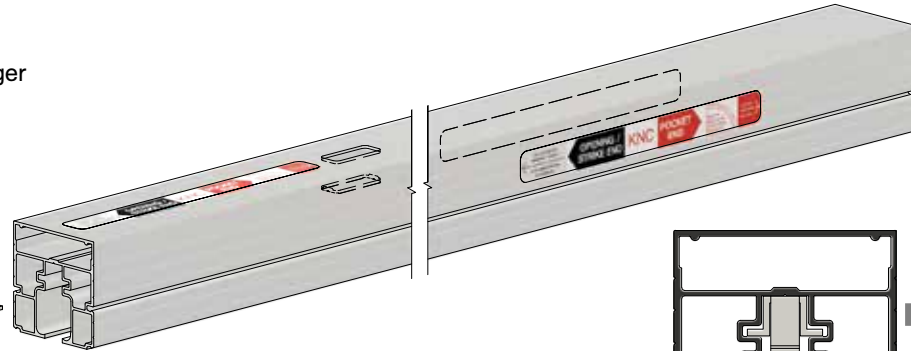
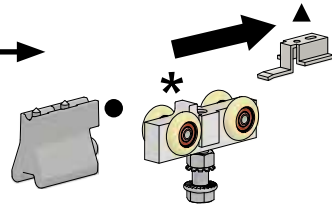
Slide CC-998 Hanger assembly (fig. 3 from **step #4**) and one (1) CC-101HD In-Track Stop into opening/strike end of track.

Slide CP-998 Hanger assembly (fig. 5 from **step #4**) and one (1) CC-101HD In-Track Stop into pocket end of track.

**Note: CP-998 Hanger (■) does not have a trigger. Leave screws on CC-101HD In-Track Stops (●) loose to allow stops to slide freely within track. Rubber bumpers of each stop (●) should face inward (toward middle of track).**

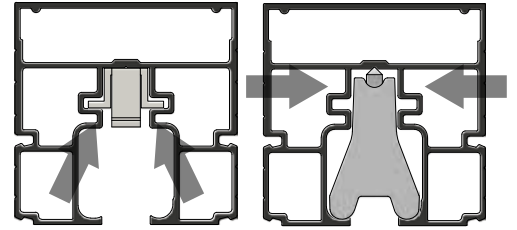
- ▲ CP-008 Clip
- ★ CC-998 Hanger with trigger
- CP-998 Hanger without trigger
- CC-101HD In-Track Stops

Opening/strike end of track



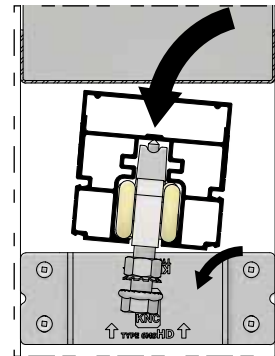
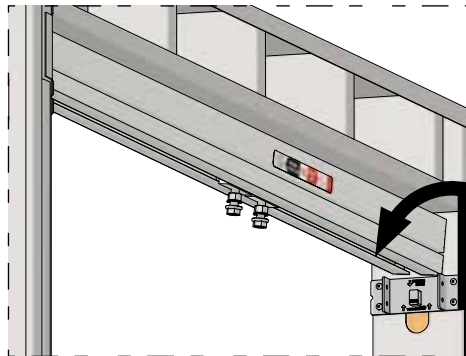
Pocket end of track

Illustrations right show correct positioning of the CP-008 Clip & CC-101HD Stops in track.

**Step #6:**

Place CP-906 Header Track c/w hangers and stops onto CP-HB6MS Header Brackets previously placed in **steps #1 - 2**.

**Note: Ensure track is oriented correctly by referring to track stickers (opening/strike end is pointing towards opening/strike end of rough opening and pocket end is pointing towards pocket end of rough opening).**

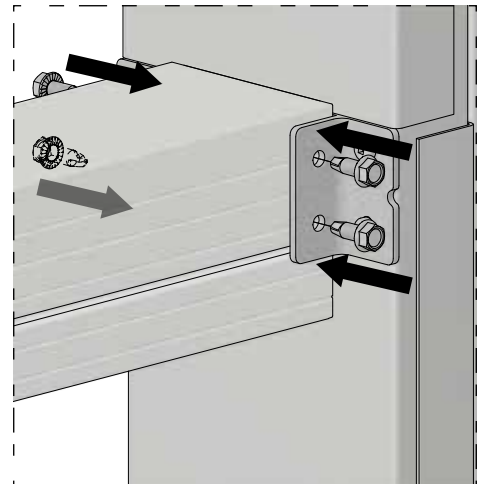
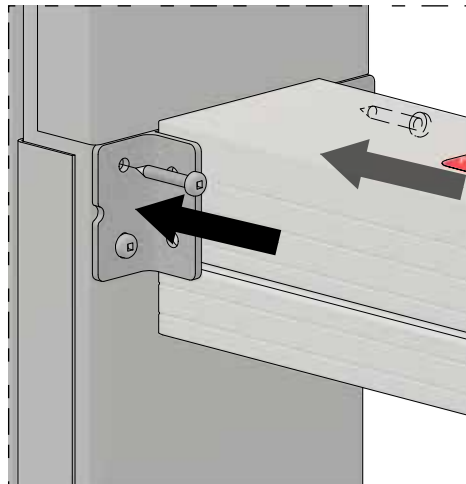
**Step #7:**

Check header track levelness and adjust loose CP-HB6MS Header Bracket (**step #2**) until track is level. Secure CP-HB6MS Header Bracket with (2) #10 x 1 1/4" Pan Head Screws [FT4].

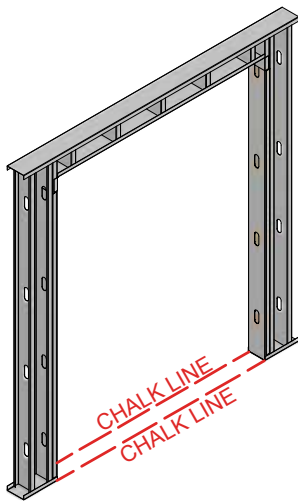
**Step #8:**

Secure CP-906 Header Track to CP-HB6MS Header Brackets with (8) 1/4"-#14 x 3/4" Serrated Hex Tek Screws [FT36], four (4) per bracket.

**Note: Impact driver is ideal for this step or pre-drill with Ø9/64 in [3.6 mm] drill bit if desired.**

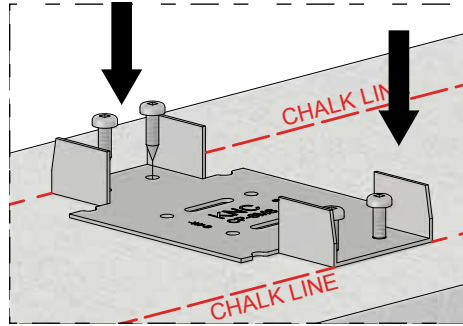
**!! Attention !!**

For double/bi-parting doors kits, refer to **steps #CPD-5 & CPD-6** in CPD-6MS-Joiner Kit installation instructions before proceeding.



#### Step #9:

Use a chalk line against bottom studs of wall to mark lines of opening on both sides as shown below. Locate and secure CP-6MS Foot Brackets (2), (3) for extra width (EXW4) kits or (5) for extra width (EXW6) kits with (4 per bracket) #10 x 3/4" Pan Head Screws [FT3] as per foot bracket location **Chart C** below or **Chart C-2** on page 11.

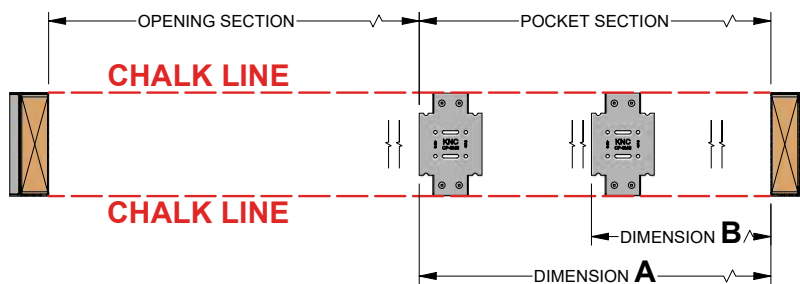


**Note: Foot brackets are reversible. Foot brackets are to be mounted on finished floor. If finished floor is not installed, shim foot brackets to thickness of finished floor. Foot bracket location dimensions are based on standard set-up and will accommodate suggested finishing as shown on pages 21-22.**

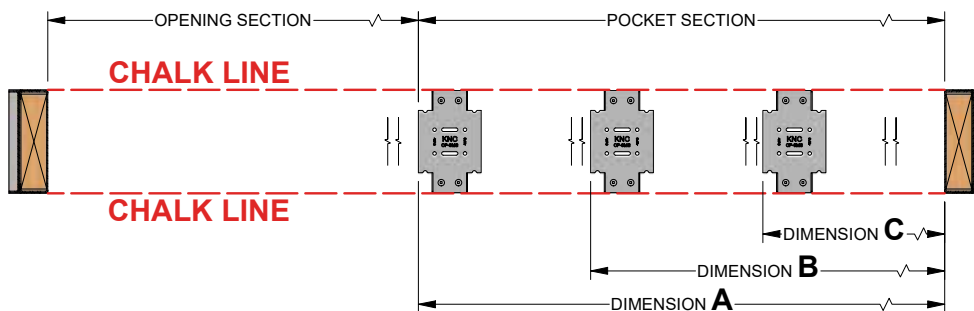
For double/bi-parting doors kits, refer to **step #CPD-7** in CPD-6MS-Joiner Kit installation instructions before proceeding.

## Chart C: Foot bracket location dimensions A, B, C

Door Width			Dimension A	Dimension B	Dimension C
30 in	(2'-6")	[762 mm]	31 1/2 in [800 mm]	15 1/2 in [394 mm]	----
32 in	(2'-8")	[813 mm]	33 1/2 in [851 mm]	15 1/2 in [394 mm]	----
34 in	(2'-10")	[864 mm]	35 1/2 in [902 mm]	17 1/2 in [445 mm]	----
36 in	(3'-0")	[914 mm]	37 1/2 in [953 mm]	19 1/2 in [495 mm]	----
<b>Below apply to -EXW4 (extra width) Crowder Frame pocket door kits</b>					
38 in	(3'-2")	[965 mm]	41 1/2 in [1054 mm]	24 3/4 in [629 mm]	12 in [305 mm]
40 in	(3'-4")	[1016 mm]	43 1/2 in [1105 mm]	26 3/4 in [680 mm]	12 in [305 mm]
42 in	(3'-6")	[1067 mm]	45 1/2 in [1156 mm]	28 3/4 in [730 mm]	12 in [305 mm]
44 in	(3'-8")	[1118 mm]	47 1/2 in [1207 mm]	30 3/4 in [781 mm]	14 in [356 mm]
46 in	(3'-10")	[1168 mm]	49 1/2 in [1257 mm]	32 3/4 in [832 mm]	16 in [406 mm]
48 in	(4'-0")	[1219 mm]	51 1/2 in [1308 mm]	34 3/4 in [883 mm]	18 in [457 mm]



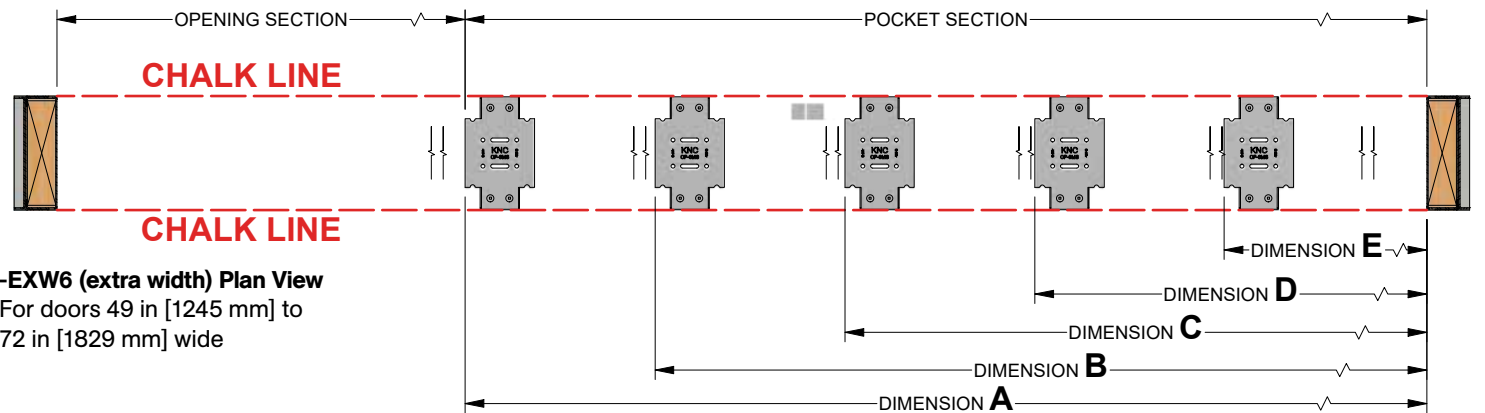
**Standard Plan View**  
For doors 30 in [762 mm] to 36 in [914 mm] wide



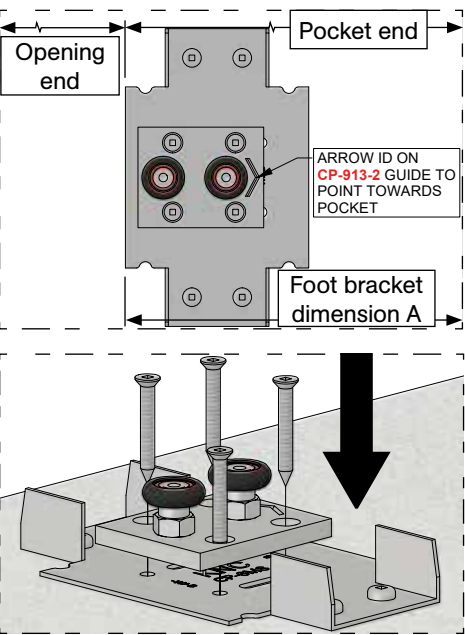
**-EXW4 (extra width) Plan View**  
For doors 37 in [939 mm] to 48 in [1219 mm] wide

Chart C-2: Foot bracket location dimensions A, B, C, D, E

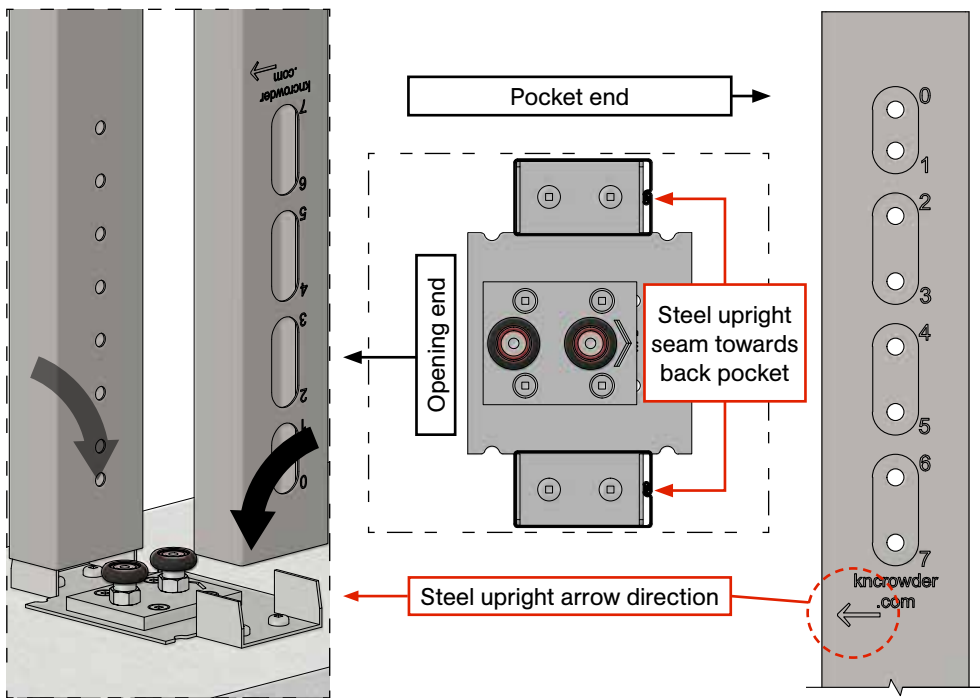
Door Width	Dimension A	Dimension B	Dimension C	Dimension D	Dimension E
Below apply to -EXW6 (extra width) Crowder Frame pocket door kits					
50 in (4'-2") [1270 mm]	53 1/2 in [1359 mm]	44 1/2 in [1130 mm]	30 1/2 in [775 mm]	16 1/2 in [419 mm]	7 1/2 in [191 mm]
52 in (4'-4") [1321 mm]	55 1/2 in [1410 mm]	45 1/2 in [1156 mm]	31 1/2 in [800 mm]	17 1/2 in [445 mm]	7 1/2 in [191 mm]
54 in (4'-6") [1372 mm]	57 1/2 in [1461 mm]	46 1/2 in [1181 mm]	32 1/2 in [826 mm]	18 1/2 in [470 mm]	7 1/2 in [191 mm]
56 in (4'-8") [1422 mm]	59 1/2 in [1511 mm]	47 1/2 in [1207 mm]	33 1/2 in [851 mm]	19 1/2 in [495 mm]	7 1/2 in [191 mm]
58 in (4'-10") [1473 mm]	61 1/2 in [1562 mm]	48 1/2 in [1232 mm]	34 1/4 in [876 mm]	20 1/2 in [521 mm]	7 1/2 in [191 mm]
60 in (5'-0") [1524 mm]	63 1/2 in [1613 mm]	49 1/2 in [1257 mm]	35 1/2 in [902 mm]	21 1/2 in [546 mm]	7 1/2 in [191 mm]
62 in (5'-2") [1575 mm]	65 1/2 in [1664 mm]	50 3/4 in [1289 mm]	36 in [914 mm]	21 1/4 in [540 mm]	10 1/2 in [267 mm]
64 in (5'-4") [1626 mm]	67 1/2 in [1715 mm]	52 3/4 in [1340 mm]	38 in [965 mm]	23 1/4 in [591 mm]	10 1/2 in [267 mm]
66 in (5'-6") [1676 mm]	69 1/2 in [1765 mm]	54 3/4 in [1391 mm]	40 in [1016 mm]	25 1/4 in [641 mm]	10 1/2 in [267 mm]
68 in (5'-8") [1727 mm]	71 1/2 in [1816 mm]	56 3/4 in [1442 mm]	42 in [1067 mm]	27 1/4 in [692 mm]	12 1/2 in [318 mm]
70 in (5'-10") [1778 mm]	73 1/2 in [1867 mm]	58 3/4 in [1492 mm]	44 in [1118 mm]	29 1/4 in [743 mm]	14 1/2 in [368 mm]
72 in (6'-0") [1829 mm]	75 1/2 in [1918 mm]	60 3/4 in [1543 mm]	46 in [1168 mm]	31 1/4 in [794 mm]	16 1/2 in [419 mm]



**Step #10:**  
Place CP-913-2 Guide (1) on foot bracket closest to opening end and secure with (4) #10 X 1 1/2" Flathead Screws [FT7].  
**Note:** Ensure arrow ID on CP-913-2 Guide is facing towards pocket as shown below.



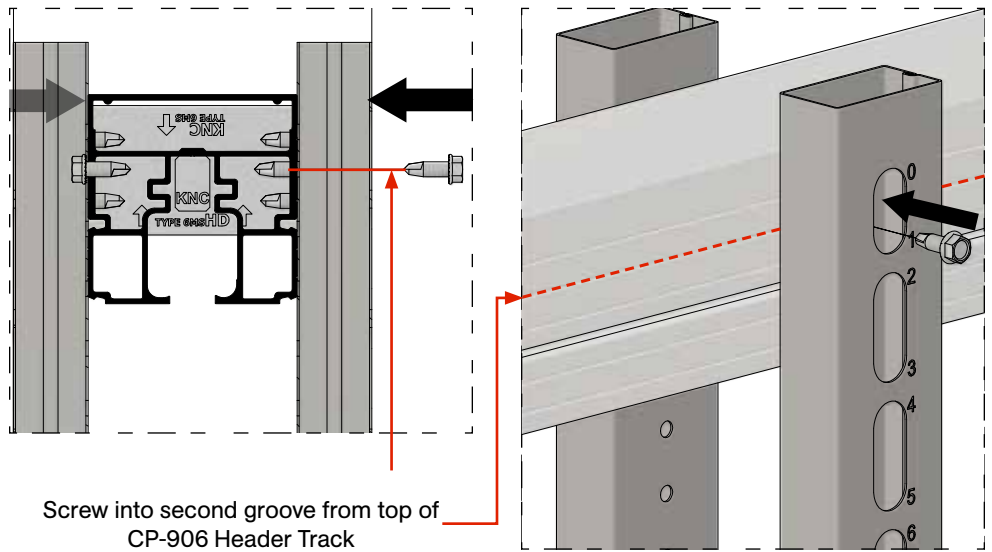
**Step #11:**  
Position CP-9XX Steel Uprights on foot brackets with large oval clearance holes facing out and arrow ID pointing towards opening as shown below.



**Step #12:**

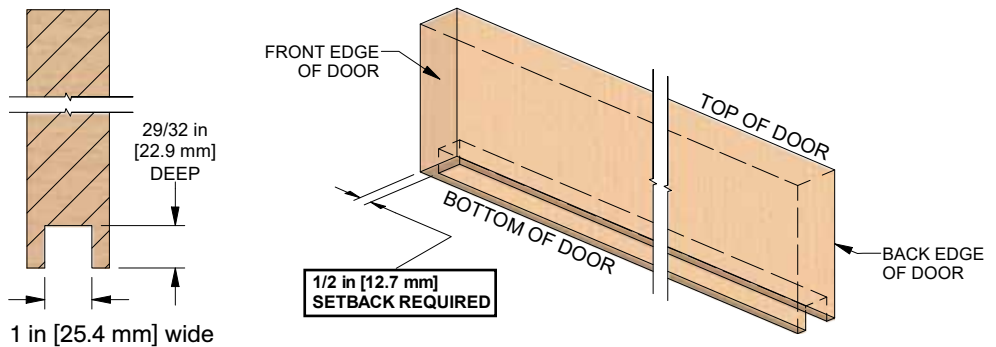
Plumb uprights vertically and secure to CP-906 Header Track with (1 per upright) 1/4"-#14 x 3/4" Serrated Hex Tek Screws [FT36].

**Note:** Screw and hole in upright should line up with second groove in CP-906 Header Track as shown below (refer to **Chart B** on page 7 for hole ID number to use). Impact driver is ideal for this step or pre-drill with Ø9/64 in [3.6 mm] drill bit if desired.

**Step #13:**

Prepare C-914 Guide Channel slot in bottom of door:

1 in [25.4 mm] wide in center of door, 29/32 in [22.9 mm] deep and set back 1/2 in [12.7 mm] from front edge of door. It is recommended to make slot as accurate as possible for secure fit and neat appearance.

**Step #14:**

Cut C-914 aluminum guide channel to correct length as required.

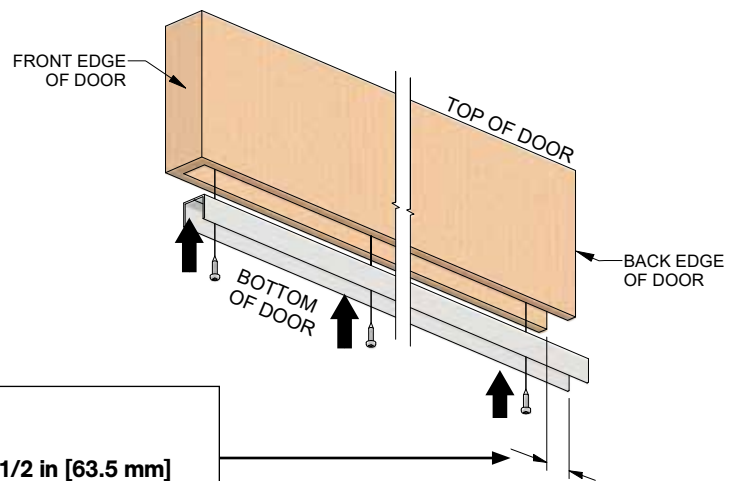
**For doors up to 36 in [914 mm] wide:**

Length = door width + 1/2 in [12.7 mm], example: 36 in [914 mm] door = 36 1/2 in [927 mm] guide channel

**For doors greater than 37 in [939 mm] up to 72 in [1829 mm] wide:**

Length = door width + 2 in [50.8 mm], example: 48 in [1219 mm] door = 50 in [1270 mm] guide channel

Drill holes in C-914 Guide Channel and pre-drill holes in door. Locate C-914 Guide Channel in slot and screw channel into place with (4 or 6) #10 x 3/4" Pan Head Screws [FT3].

**Guide channel should protrude out back edge of door by:**

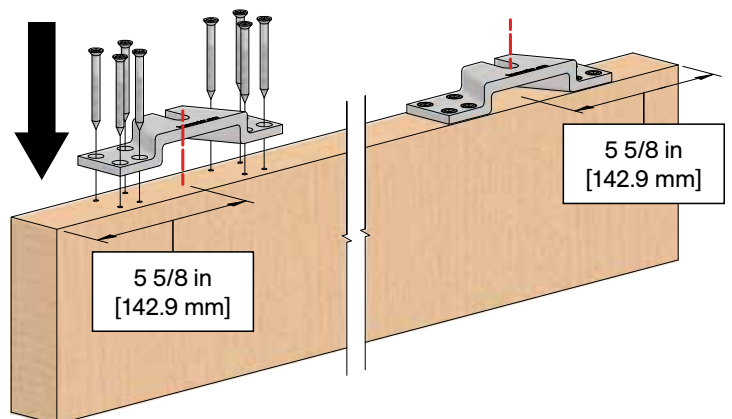
For doors up to 36 in [914 mm] wide = 1 in [25.4 mm]

For doors greater than 37 in [939 mm] up to 72 in [1829 mm] wide = 2 1/2 in [63.5 mm]

**Step #15:**

Locate center of "U" slot (dash line shown below) of C-998 Top Plate at 5 5/8 in [142.9 mm] from each edge of door (or 2 1/2 in [63.5 mm] from edge of door to leading edge of top plate). Mark screw hole locations or use template on page 23 and pre-drill Ø9/64 in [3.6 mm] holes at least 2 1/4 in [57.2 mm] deep. See below. Secure C-998 Top Plates with (8 per hanger) #12 x 2 1/4" Flathead Wood Screws [FT52].

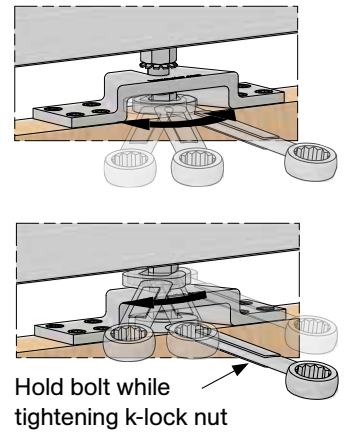
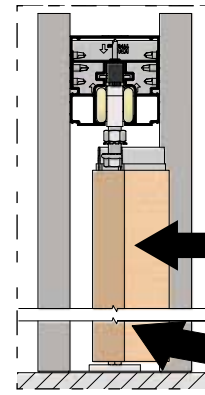
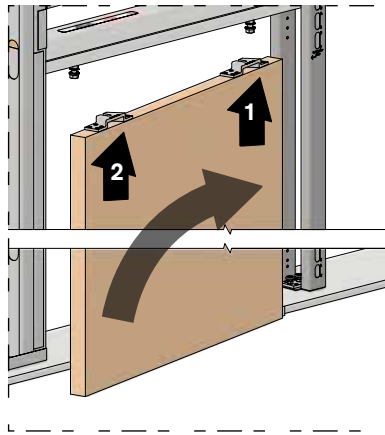
**Note:** It is recommended to position top plates as close to dimensions shown. If top plates are located further away from the edge, it will be problematic when installing Catch 'N' Close Closing Devices and during operation of door.





**Step #16:**

- A. Slide hangers in track into opening
- B. Stand door up in opening
- C. Raise back end of door and engage top plate "U" slot with 1/2-13 Hex Head Flange Bolt on CP-998 Hanger (closest to pocket) (arrow #1)
- D. Pivot back end of door into pocket and engage guide channel with pocket guide
- E. Raise front end of door and engage top plate "U" slot with 1/2-13 Hex Head Flange Bolt on CC-998 Hanger (closest to opening) (arrow #2)
- F. Adjust door height and plumb by using 3/4 in wrench on the hex head flange bolts
- G. Lock final height adjustment with 1/2-13 k-lock nuts using 3/4 in wrench

**Step #17:**

After door has been installed, position door approximately 5-10 in [127-254 mm] away from final position at one end (shown below with left side). Push loose CC-101HD Stop (installed in **step #4**) against hanger body as shown below:

**Step #18:**

With the CC-101HD Stop loose, slide door to final/desired position of door as shown below.

**Note: Ensure that strike and trim thickness are taken into consideration for final/desired position of door. See pages 21-22 for suggested finishing.**

**Step #19:**

Once final position is achieved, slide door away from the CC-101HD Stop. Lock CC-101HD Stop in position by tightening two cap screws on CC-101HD Stop with 3/16" Allen Key (CC-101HD is secured by friction fit with cone point screws).

**Step #20:**

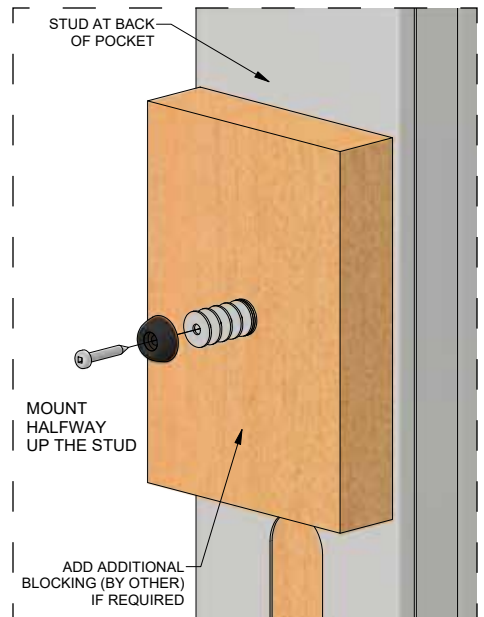
Repeat **steps #17 - 19** for opposite side.

**Note: Ensure that strike and trim thickness are taken into consideration for final/desired position of door. See pages 21-22 for suggested finishing.**

**Step #21:**

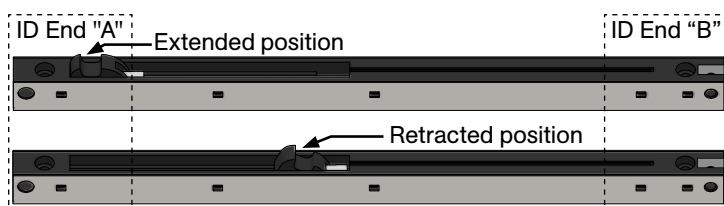
On pocket end framing jamb, mark halfway point from floor to underside of track. Push door into opened position (door in pocket). Measure distance from back edge of door to jamb. Install (1) C-99 Rubber Bumper with (1) #10 x 1 1/4" Pan Head screw [FT4] and 3/16" Spacer Washers (quantities are as required to fit in gap previously measured) to pocket jamb to act as secondary stop for door in opened position.

**Note: Additional blocking may be required to fill wide gaps.**

**Step #22:**

Before installing Catch 'N' Close Closing Device, ensure one is in retracted position (for opening/strike end) and one is in extended position (for pocket end) as shown below. If not in required positions, slide one hook down until it locks or push one hook to extend into required position.

**Note: Requires significant finger pressure.**

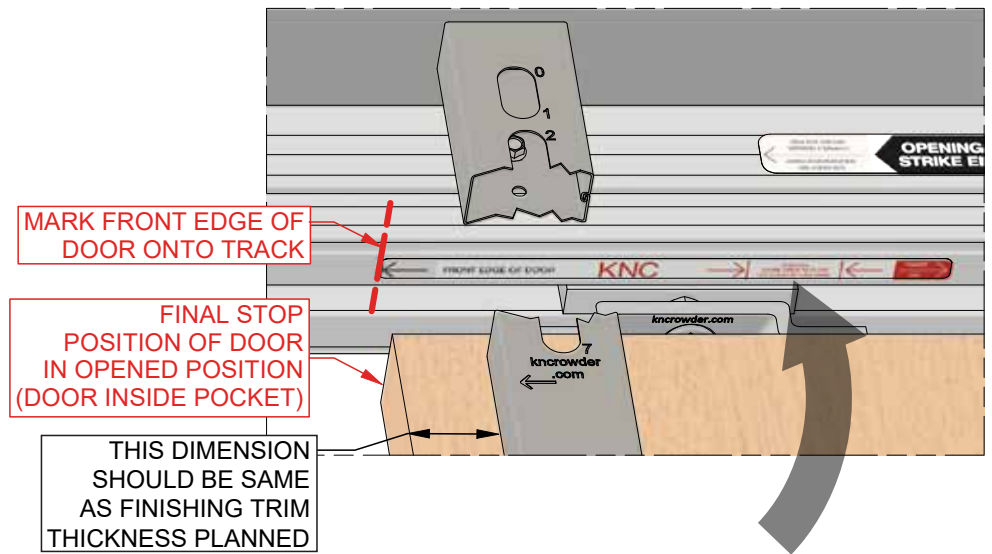
**Important Catch 'N' Close Closing Device notes:**

If doors are 200 lbs. [90 kg] or less, ensure CC-2 Catch 'N' Close Closing Devices are used. If doors are minimum 200 lbs. [90 kg] up to 300 lbs. [136 kg], ensure CC-3 Catch 'N' Close Closing Devices are used.

### Step #23:

Pocket end Catch 'N' Close Closing Device will be installed using CP-008 Catch 'N' Close Crowder Frame Clip. With door in fully opened position (door in pocket with CP-998 Hanger hitting CC-101HD Stop previously secured in **steps #17 - 20**), mark front leading edge of door on underside surface of track.

**Note: Ensure that strike and trim thickness are taken into consideration for final position of door. See pages 21-22 for suggested finishing.**



### Step #24:

Place CP-009 Clip Locator Sticker onto underside surface of track with front leading edge (indicated by black arrow – “front edge of door”) on previously marked line on track with sticker going into pocket as shown above.

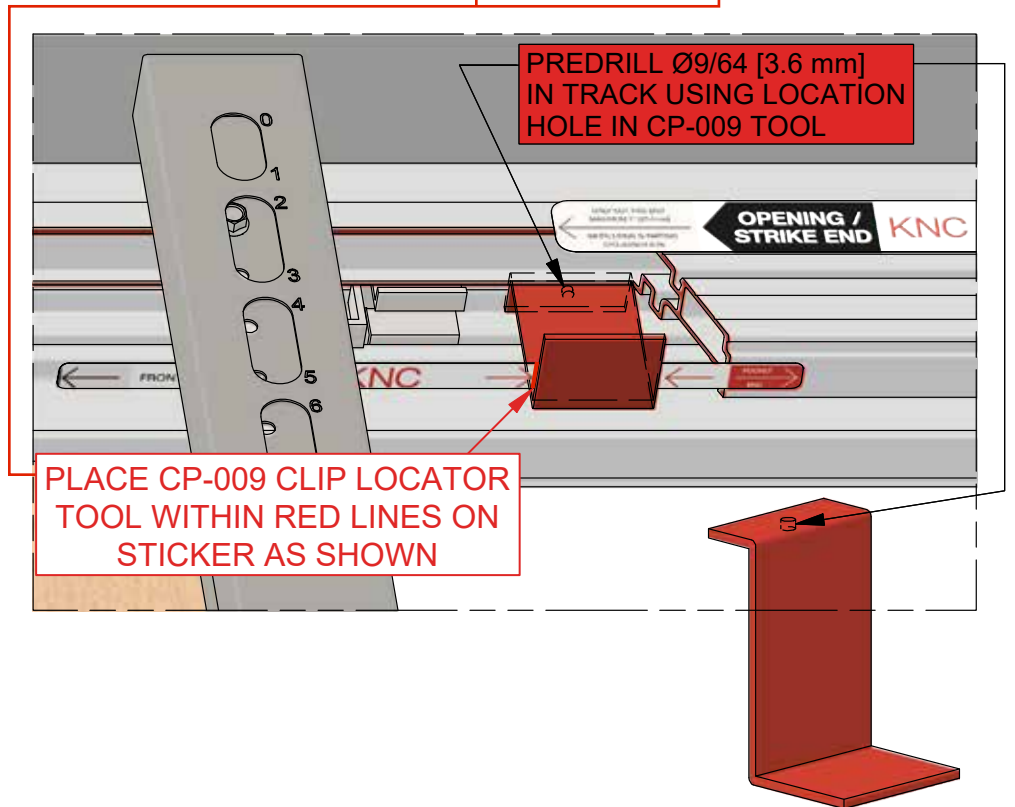
Ensure sticker is applied straight and smooth to underside of track.

**Note: If hanger is not mounted 5 5/8 in [142.9 mm] from edges of door sticker location will need to be adjusted accordingly. Failure to do so will result in door not opening to final position as required.**

### Step #25:

Slide door into closed position (door in opening) and place CP-009-CLT Clip Locator Tool into middle of track as shown below. Line outside edges of tool within red lines on sticker. Hold tool in place, mark and/or drill (using a Ø9/64 in [3.6 mm] drill bit, drill bit extension may be required) through small hole on top flange. Drill through inside top surface of track. Hole drilled into track is used to locate CP-008 Clip. Tool locator sticker can be removed or left in place.

**Note: Final trim may not hide sticker.**





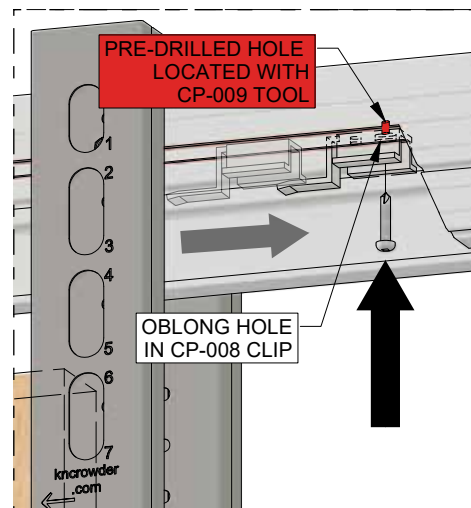
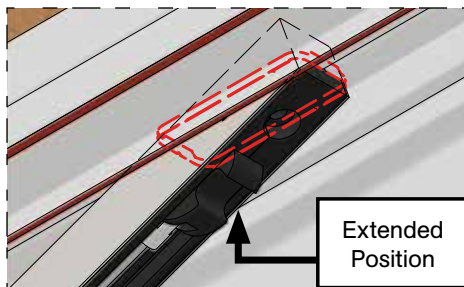
**Step #26:**

Slide CP-008 Clip into position with oblong hole positioned over pre-drilled hole. Secure CP-008 Clip with (1) #10 X 1" Pan Head Self-Drilling Screw [FT26] through oblong hole only (this will allow for minor adjustment before final securement).

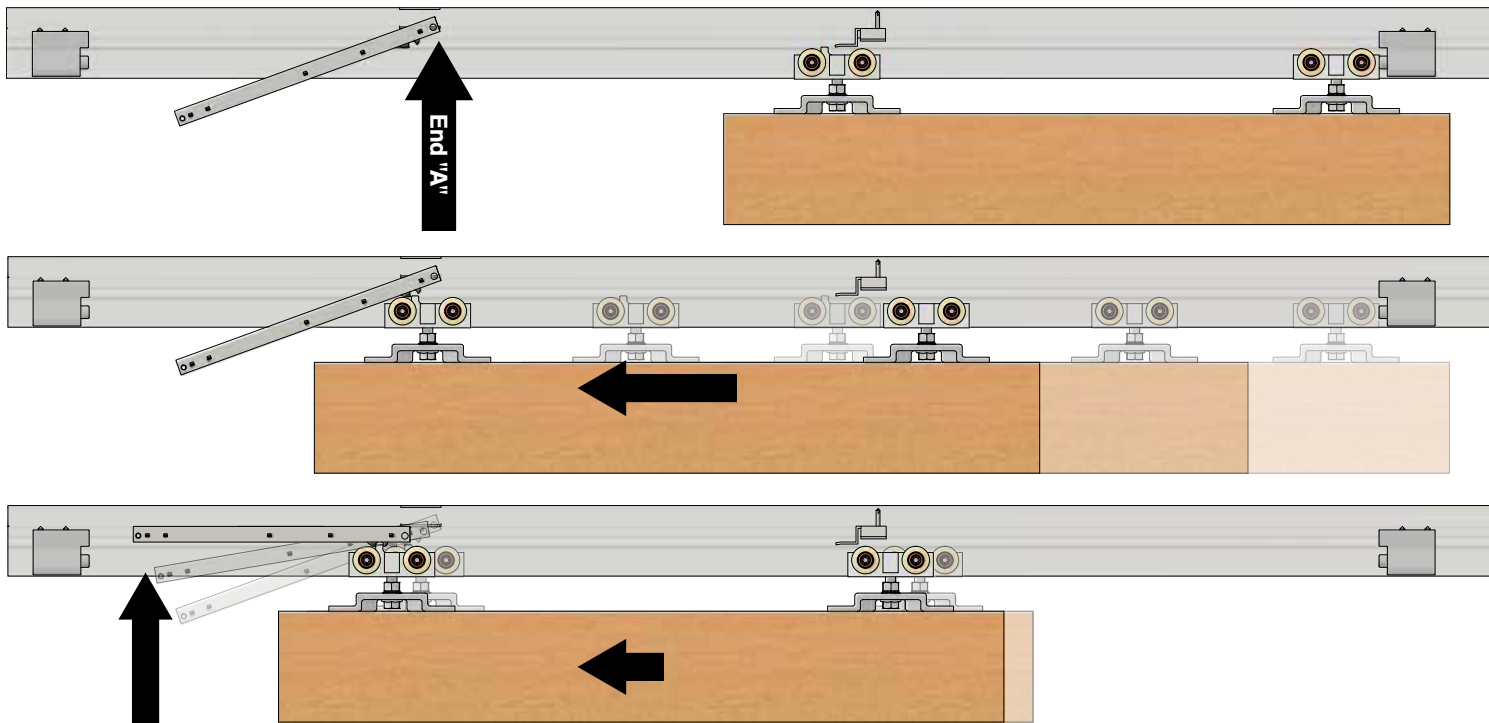
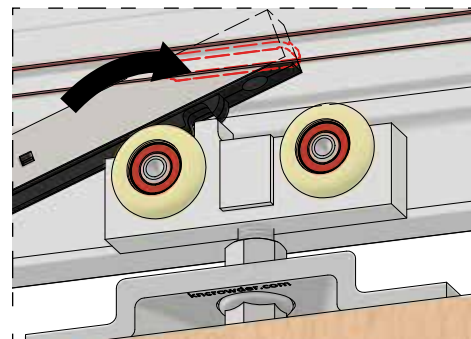
**Note: Remove any drill fillings from inside track.**

**Step #27:**

Slide door back into pocket. Place Catch 'N' Close Closing Device in extended position, leading End "A" first, into opening of track where Catch 'N' Close Slot is located as shown below. Position Catch 'N' Close Closing Device leading End "A" into Catch 'N' Close Slot at slight angle so that extended hook is still visible as shown right.

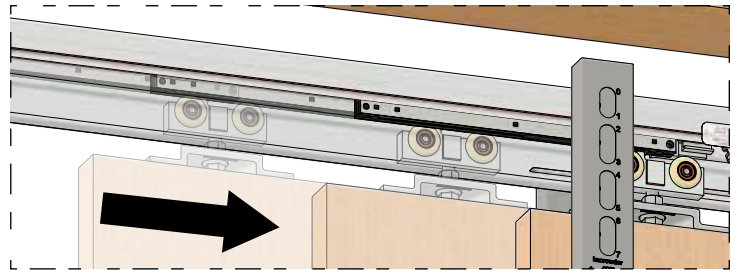
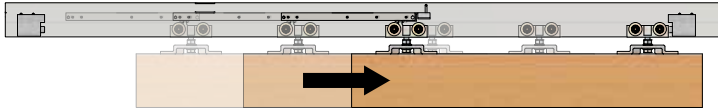
**Step #28:**

Pull door towards closed position (door in opening) and as CC-998 Hanger with trigger gets close to Catch 'N' Close Closing Device held in position, gently engage trigger on hanger with extended hook on Catch 'N' Close Closing Device. Once hanger trigger has engaged hook on Catch 'N' Close Closing Device, slowly continue to pull door towards closed position (door in opening) and simultaneously rotate Catch 'N' Close Closing Device upwards until parallel with track/sitting against inside top surface of track. During movement Catch 'N' Close Closing Device will leave Catch 'N' Close Slot. To ensure proper engagement, slightly push/pull Catch 'N' Close Closing Device within track. Door should move in both directions with Catch 'N' Close Closing Device. If not properly engaged remove device using Catch 'N' Close Slot and repeat **steps #27 - 28** until device hook is engaged properly with hanger trigger.



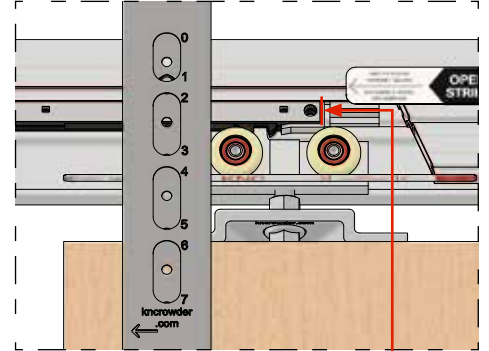
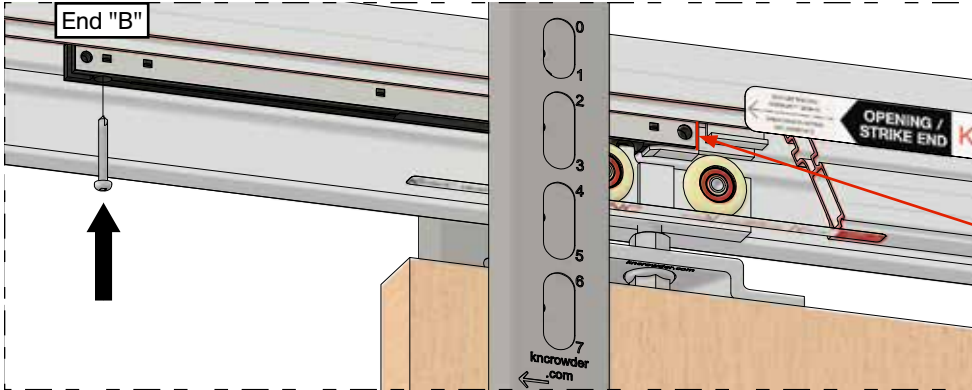
**Step #29:**

Slide Catch 'N' Close Closing Device and door past Catch 'N' Close Slot back into pocket. Slide back until Catch 'N' Close Closing Device leading End "A" is fully seated in CP-008 Clip previously installed as shown below.

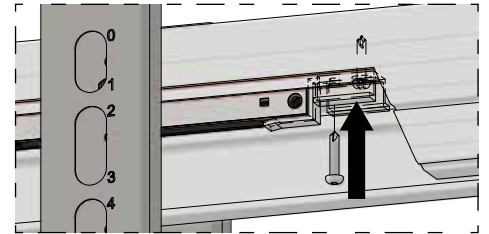
**Step #30:**

Check door position. If in correct position, secure end "B" of Catch 'N' Close Closing Device with (1) #10 x 1 1/2" Pan Head Self-Drilling Screw [FT5].

**Note:** If using impact driver to secure Catch 'N' Close devices to track, do not overtighten screws. It is recommended to pre-drill track with Ø9/64 in [3.6 mm] drill bit.



End "A" of Catch 'N' Close Closing Device to sit against CP-008 Clip as shown



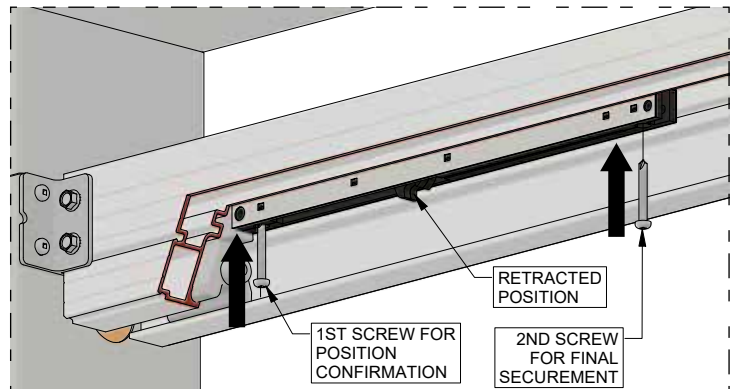
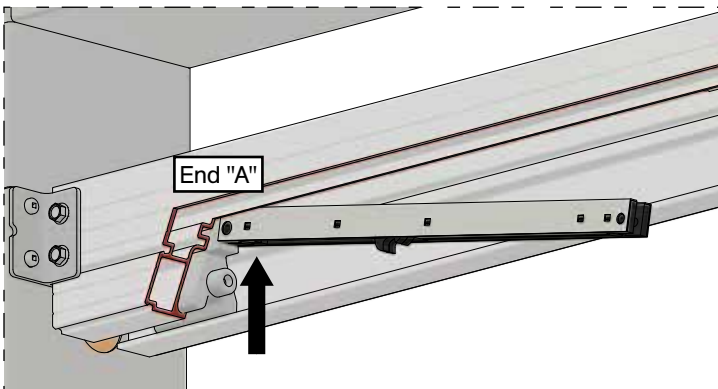
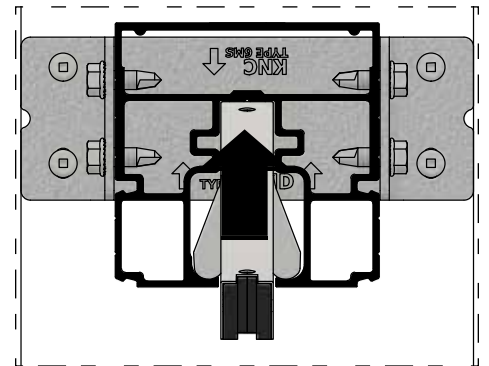
Check operation of door & Catch 'N' Close Closing Device and ensure opened position (door in pocket) is correct. Slide door into closed position (door in opening). Secure CP-008 Clip in final position with second (1) #10 X 1" Pan Head Self-Drilling Screw [FT26].

**Note:** Remove any drill fillings from inside track.

**Step #31:**

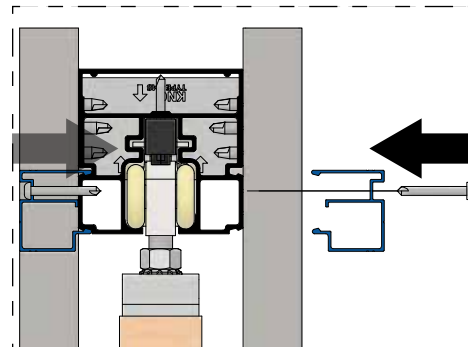
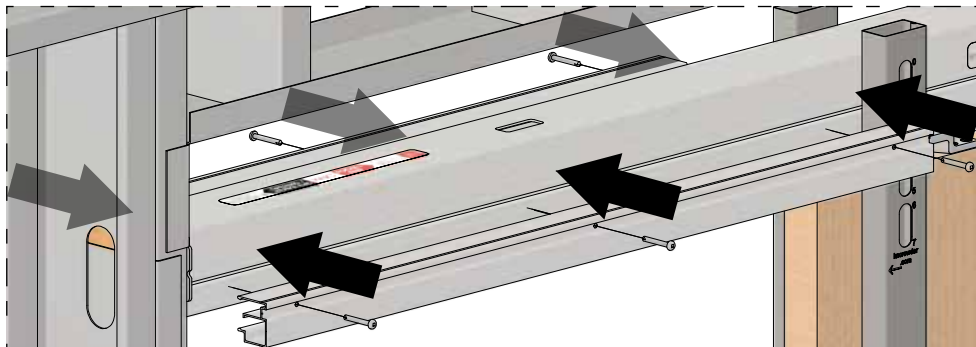
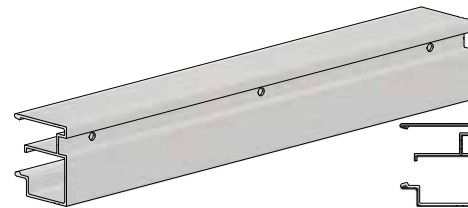
With door in open position (door in pocket), place retracted Catch 'N' Close Closing Device into opening end of track (closest to strike jamb) with leading End "A" resting against upper body of CC-101HD Stop (installed previously). With Catch 'N' Close Closing Device resting tight against upper body of CC-101HD Stop, secure Catch 'N' Close Closing Device to track with (2) #10 x 1 1/2" Pan Head Self-Drilling Screws [FT5].

**Note:** If using impact driver to secure Catch 'N' Close devices to track, do not overtighten screws. It is recommended to pre-drill track with Ø9/64 in [3.6 mm] drill bit. Secure first screw closest to CC-101HD Stop only and test system by sliding door to activate Catch 'N' Close Closing Device. If in correct position, secure with second screw. Remove any drill fillings from inside track.



### Step #32:

If required, measure and cut CP-930 Drywall Supports to fit in opening between header bracket and first upright. If pre-punched holes are cut off, re-drill with Ø11/64 in [4.4 mm] drill bit for a total of 3-6 holes per piece of CP-930 Drywall Support. Two equal length pieces are required for installation. Snap CP-930 Drywall Supports onto CP-906 Header Track as shown below with step in drywall support facing down towards floor. Once snapped on, secure with (3-6 per side) #10 x 1 1/2" Self-Drilling Screws [FT5].



### Step #33:

Refer to finishing suggestions, dimensions & installation steps on pages 21-22.

#### Important note:

Remember to clean inside of track before finishing opening. Use an air gun to blow air into track or use a cloth to wipe it. This will help eliminate any aluminum shavings or debris that may have fallen into track. If not cleaned out, shavings or debris may prevent hangers from rolling smoothly.

## Troubleshooting

Issue	Solution
Chatter/noise when door is sliding	Ensure there are no aluminum shavings within track. Shavings can become embedded in nylon tires and cause noise during operation.
Door is hard to move	Ensure guide channel secured to bottom of door is not over-tightened as this could cause sides of guide channel to "pinch" guide. Remove door and check guide channel by rolling guide roller in channel to ensure smooth travel. There should be little to no resistance. Ensure door is not dragging on bottom of floor/guides and adjust height of door as required.
Door rattles	Ensure locking nuts & screws on hangers are secured and not loose.
Door is not engaging closing device	Ensure hangers are correctly oriented. See <b>steps #4 - 5</b> . Ensure Catch 'N' Close Closing Devices are in correct retracted or extended position prior to sliding door closed/open. See <b>step #22</b> .
Replacing Catch 'N' Close Closing Device installed with CP-008 Clip & Catch 'N' Close Slot in track. (Only applies to kits for doors 30 in [762 mm] to 48 in [1219 mm] wide)	In case of pocket end Catch 'N' Close Closing Device, CP-008 Clip, and Catch 'N' Close Slot in track are designed for replacement of the Catch 'N' Close Closing Device without removal of trim and/or door, cutting a hole in wall, or taking system down. First remove closing/strike end Catch 'N' Close Closing Device by removing two screws and taking out of track. For pocket Catch 'N' Close Closing Device, remove one visible screw in opening and pull door and Catch 'N' Close Closing Device out of pocket. As door/Catch 'N' Close Closing Device reaches Catch 'N' Close Slot in track, Catch 'N' Close Closing Device will drop down. Once dropped, slide door back into pocket allowing Catch 'N' Close Closing Device to be removed from track. To replace the pocket end Catch 'N' Close Closing Device follow <b>steps #27 - 30</b> on pages 15-16, reinstalling the leading/strike Catch 'N' Close Closing Device afterwards.

# Installation Steps

## If Installing Drywall Prior to Door

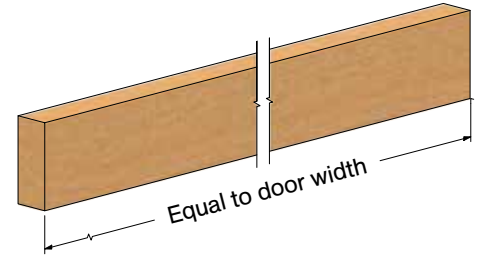
### Step #D1

Follow **steps #1 - 12** on pages 7-12.

### Step #D2

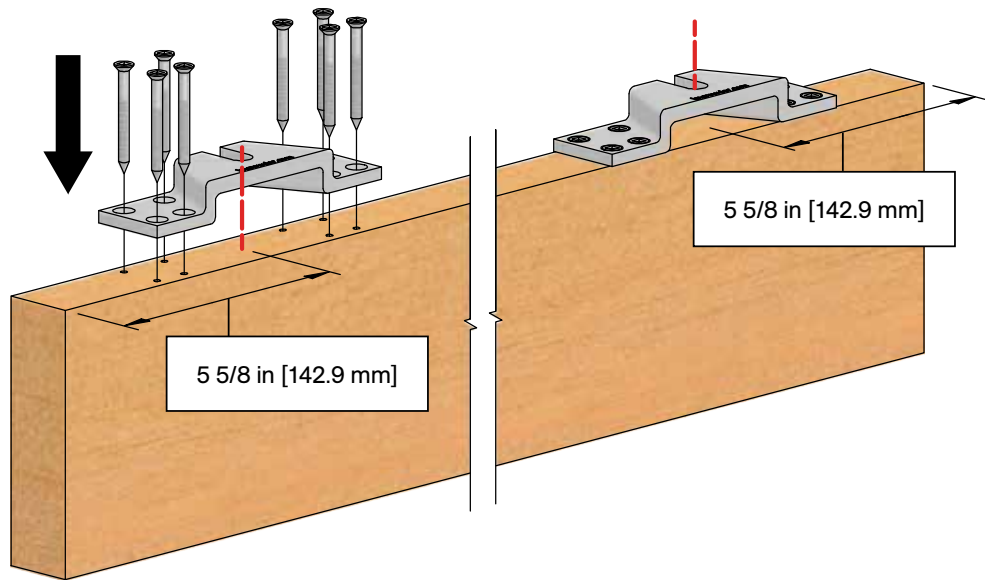
Obtain a relatively straight scrap piece of lumber (ideally 2X6 framing lumber, not supplied by KN Crowder), and cut to size. Length should be same width as door to be installed at a later time. For example, if door width is 36 in [914 mm], lumber length should be 36 in [914 mm].

**This piece of lumber will be referred to as door template.**



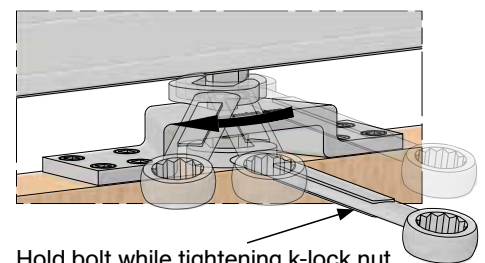
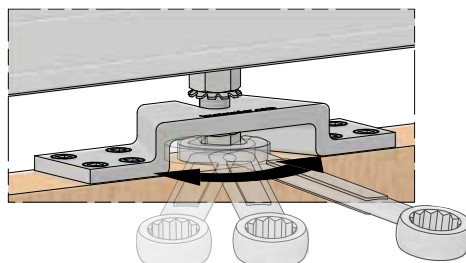
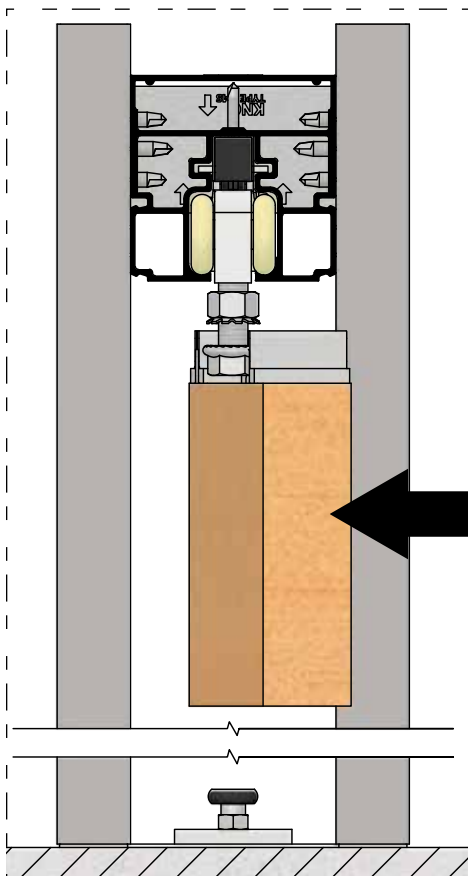
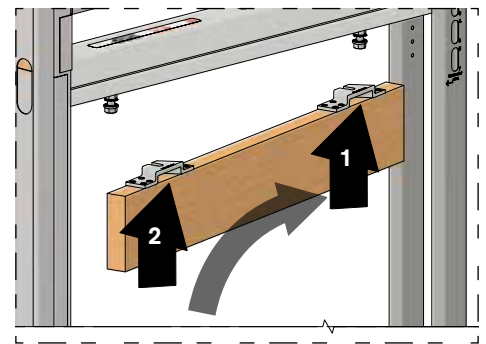
### Step #D3:

Locate center of “U” slot (dash line shown below) of C-998 Top Plate at 5 5/8 in [142.9 mm] from each edge of door template. Mark screw hole locations or use template on page 23 and pre-drill Ø9/64 in [3.6 mm] holes at least 2 1/4 in [57.2 mm] deep. Secure C-998 Top Plates with (4 per hanger) #12 x 2 1/4” Flathead Wood Screws [FT52].



### Step #D4:

- Slide hangers in track into opening
- Position door template in opening
- Raise back end of door template and engage top plate “U” slot with 1/2-13 Hex Head Flange Bolt on CP-998 Hanger (closest to pocket) (arrow #1)
- Pivot back end of template door into pocket
- Raise front end of door template and engage top plate “U” slot with 1/2-13 Hex Head Flange Bolt on CC-998 Hanger (closest to opening) (arrow #2)
- Adjust door template and plumb by using 3/4 in wrench on Hex Head Flange Bolts
- Lock final height adjustment with 1/2-13 k-lock nuts using 3/4 in wrench





**Step #D5:**

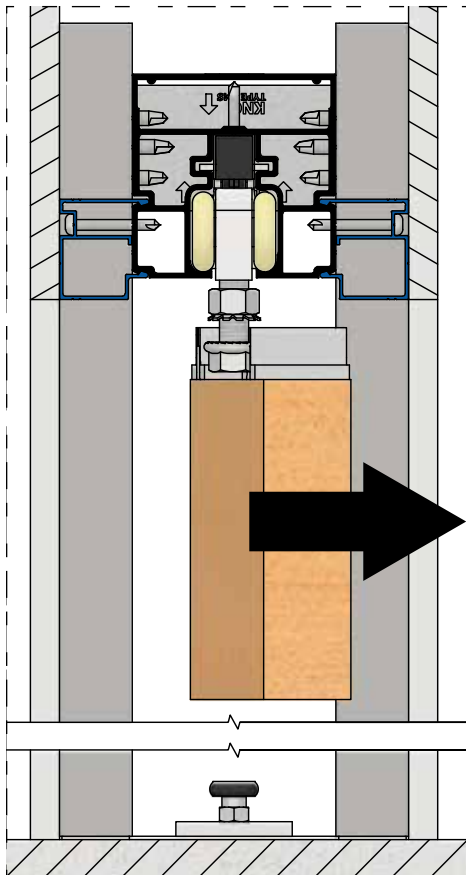
Follow **steps #17 - 32** on pages 13-17.

**Step #D6:**

Install & finish drywall as required. Ensure drywall is cut back to strike jamb, first set of steel uprights and CP-930 Drywall Support to exposed pocket door opening. This will be the “drywall rough opening” of the pocket door system.

**Important drywall installation notes:**

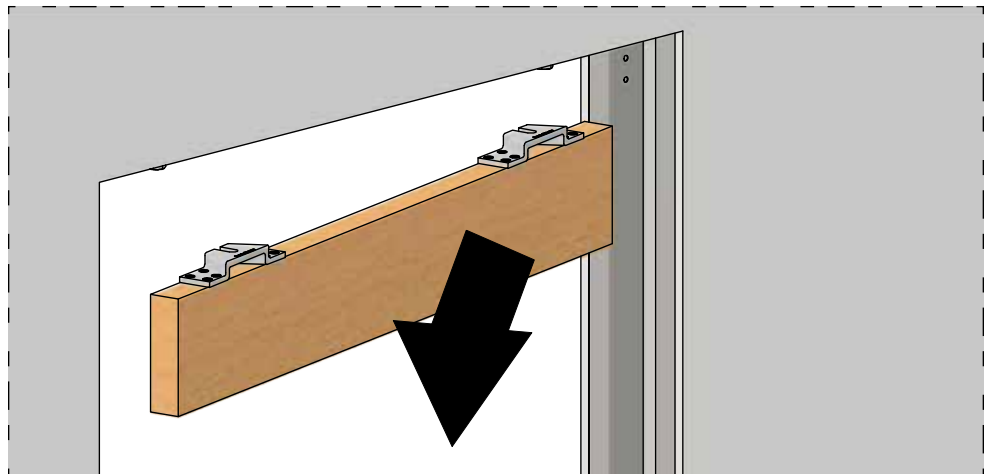
Use 1 in [25.4 mm] long drywall screws only (provided) when securing drywall to uprights & drywall supports. Longer screws will penetrate inside face of steel upright and damage door or affect door travel. Fasten drywall to bottom of steel uprights working upwards to top. It is recommended to use 8 drywall screws per upright and 4 per drywall supports.

**Step #D7:**

Once door is on site, follow **steps #13 - 14** on page 12.

**Step #D8:**

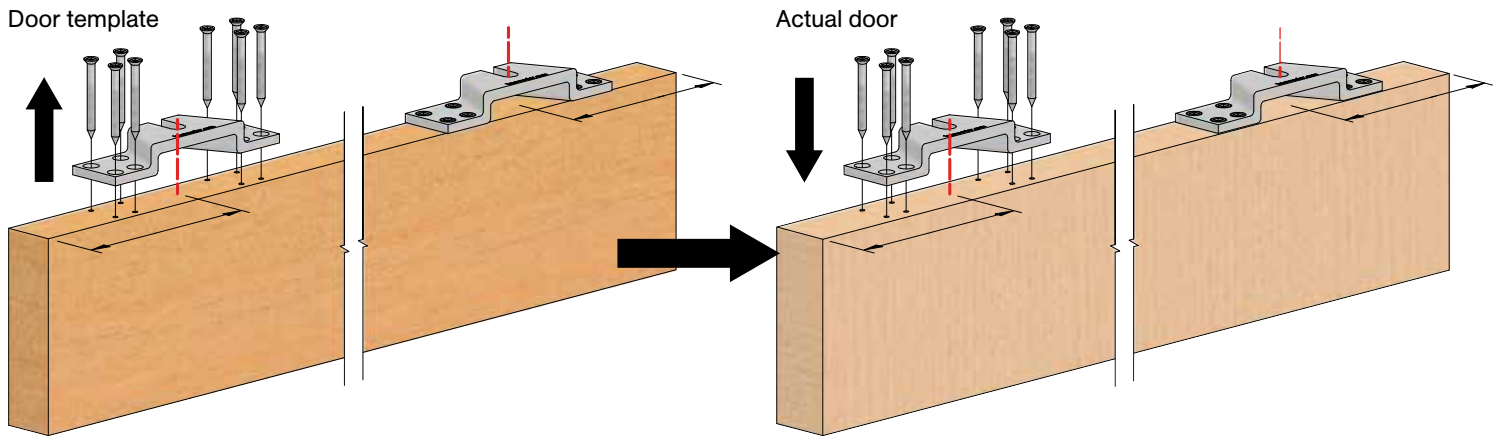
Remove door template from pocket by disengaging from hangers in track (reverse **step #D4**)



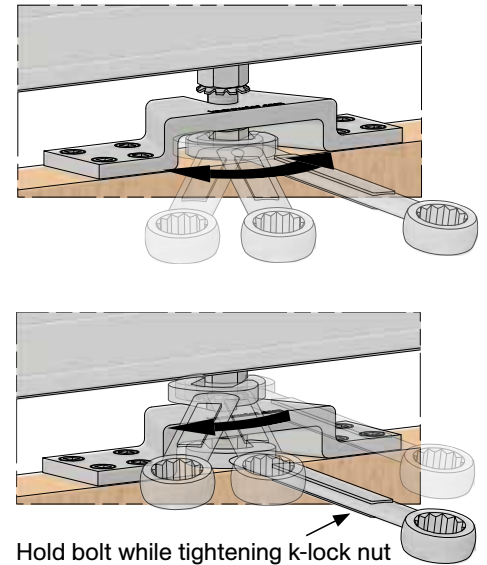
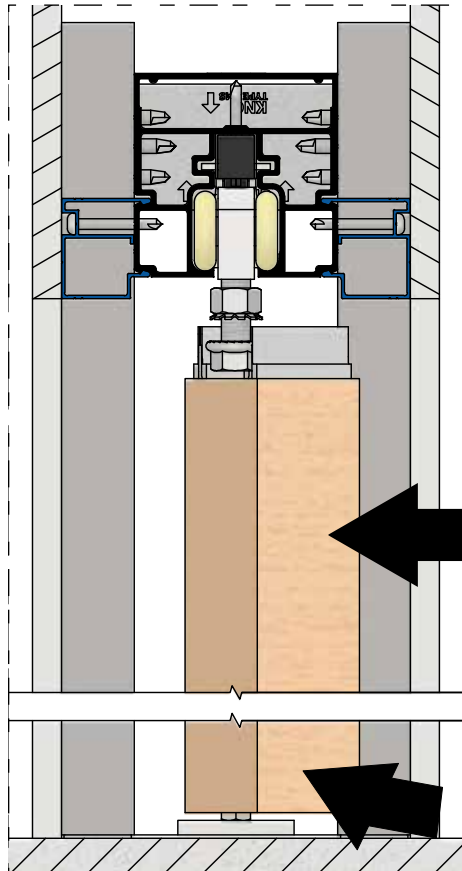
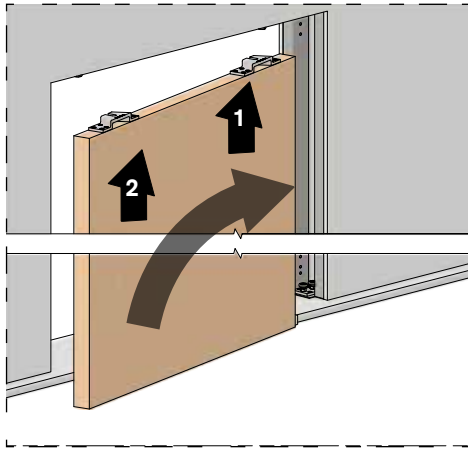
**Step #D9:**

Remove top plate assemblies from door template and mount onto top of actual door in same position as door template in **step #D3**.

**Note: Must be mounted at same distance from edge of door as on the door template. Failure to do this will result in door not opening or closing fully in pocket.**

**Step #D10:**

- A. Slide hangers in track into opening
- B. Stand door up in opening
- C. Raise back end of door and engage top plate "U" slot with 1/2-13 hex head flange bolt on CP-998 Hanger (closest to pocket) (arrow #1)
- D. Pivot back end of door into pocket and engage guide channel with pocket guide
- E. Raise front end of door and engage top plate "U" slot with 1/2-13 hex head flange bolt on CC-998 Hanger (closest to opening) (arrow #2)
- F. Adjust door height and plumb by using 3/4 in wrench on the hex head flange bolts
- G. Lock final height adjustment with 1/2-13 k-lock nuts using 3/4 in wrench

**Step #D11:**

Finish project with finishing requirements such as trim, door jambs, etc (all by others). Refer to finishing suggestions, dimensions & installation steps on pages 21-22.



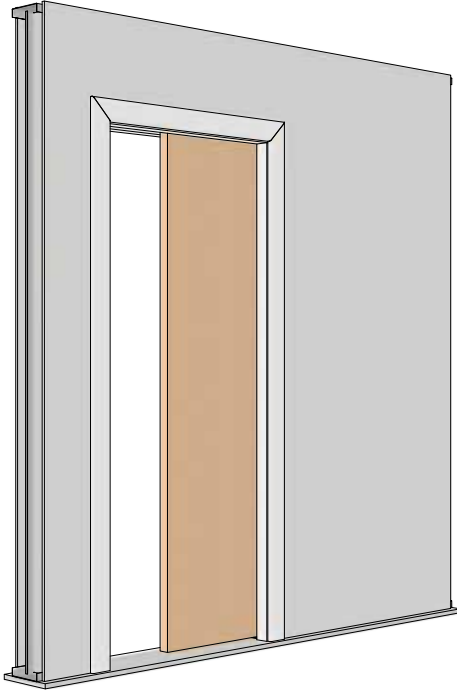
# Suggested Finishing & Dimensions

Complete Type CC-HD-6MS kit illustrated with framing, drywall, & suggested finishing by others.

To illustrate complete installation process, suggested trim details and dimensions are shown. Site trim details and dimensions must be verified by installer and may require adjustment of dimensions that follow.

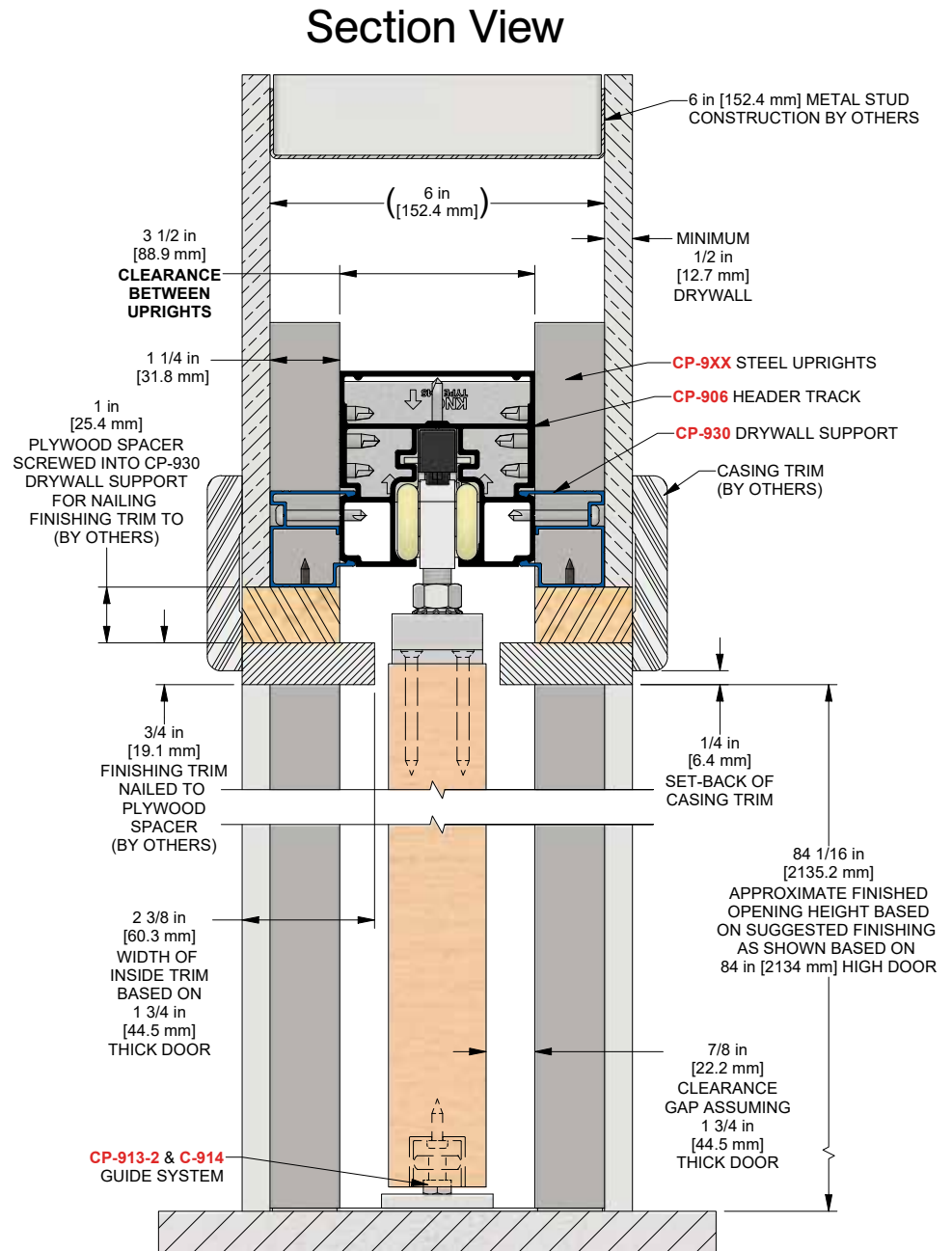
KN Crowder is not responsible for any finishing details.

Suggested details are based on a 36 in [914 mm] wide x 84 in [2134 mm] high door using **Type CC-HD-6MS** Crowder Frame.

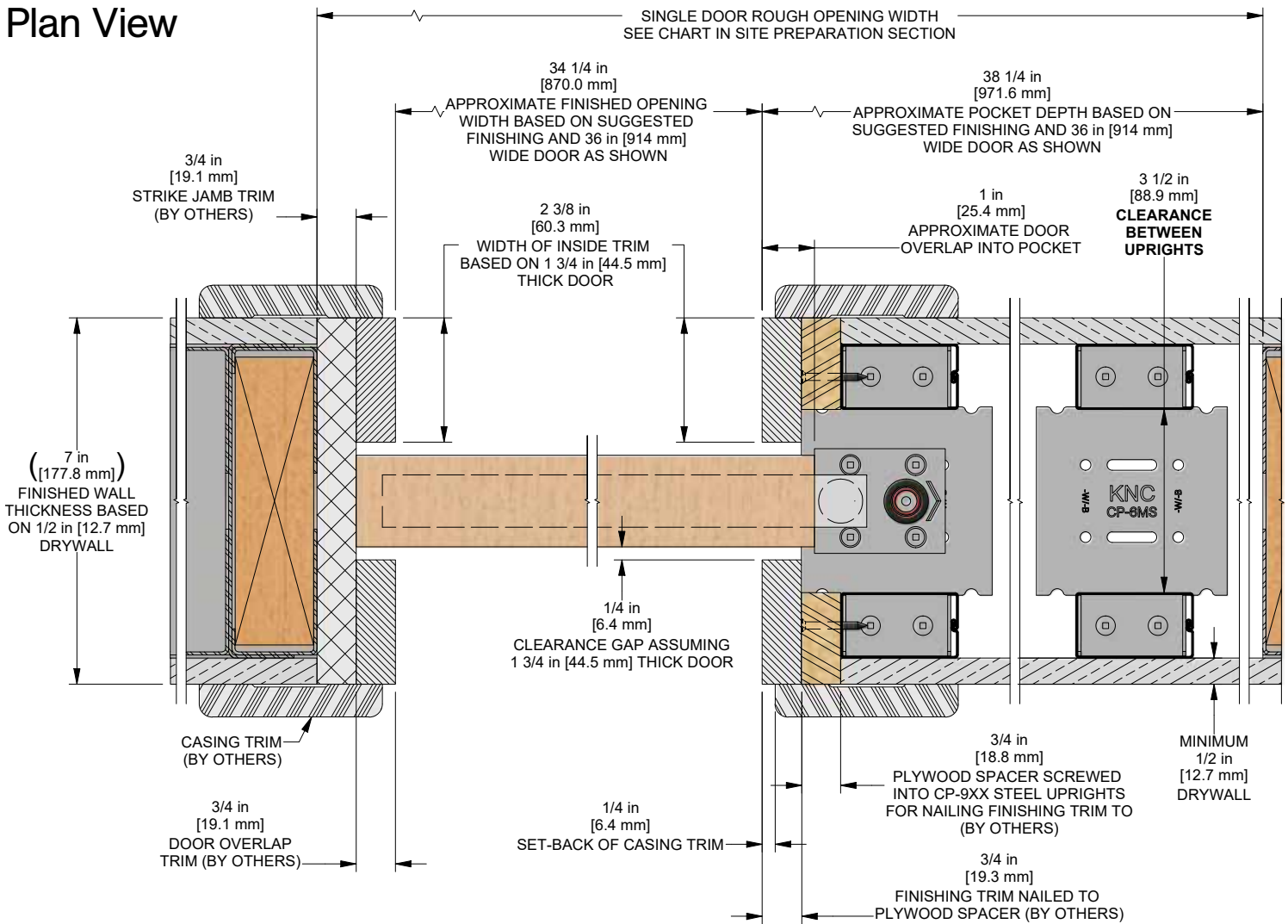


## Note:

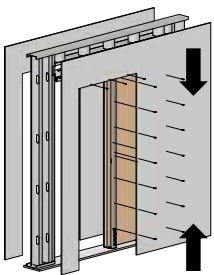
For double door kits using CPD-6MS-Joiner Kit, use this section detail for reference.



# Plan View



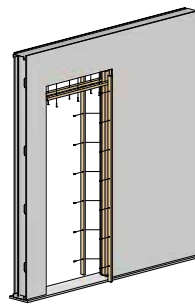
## Finishing Steps



### Step #F1:

Use 1 in [25.4 mm] long drywall screws only (provided) when securing drywall to uprights & drywall supports. Fasten drywall alternating between top & bottom of steel uprights. It is recommended to use 8 drywall screws per upright and 4 per drywall supports.

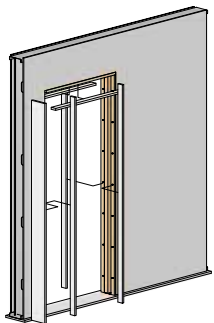
**Note:** Longer screws may penetrate inside face of steel upright and damage door or affect door travel.



### Step #F2:

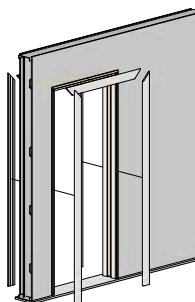
Install plywood/wood spacer (by others) to steel uprights & drywall support using screws (by others).

**Note:** Installing plywood/wood spacers will allow finishing trim to be nailed to spacers with a brad nailer for smaller holes to fill after installation.



### Step #F3:

Install jamb finishing board on strike side and finishing pocket trim at header and pocket side of opening (by others).

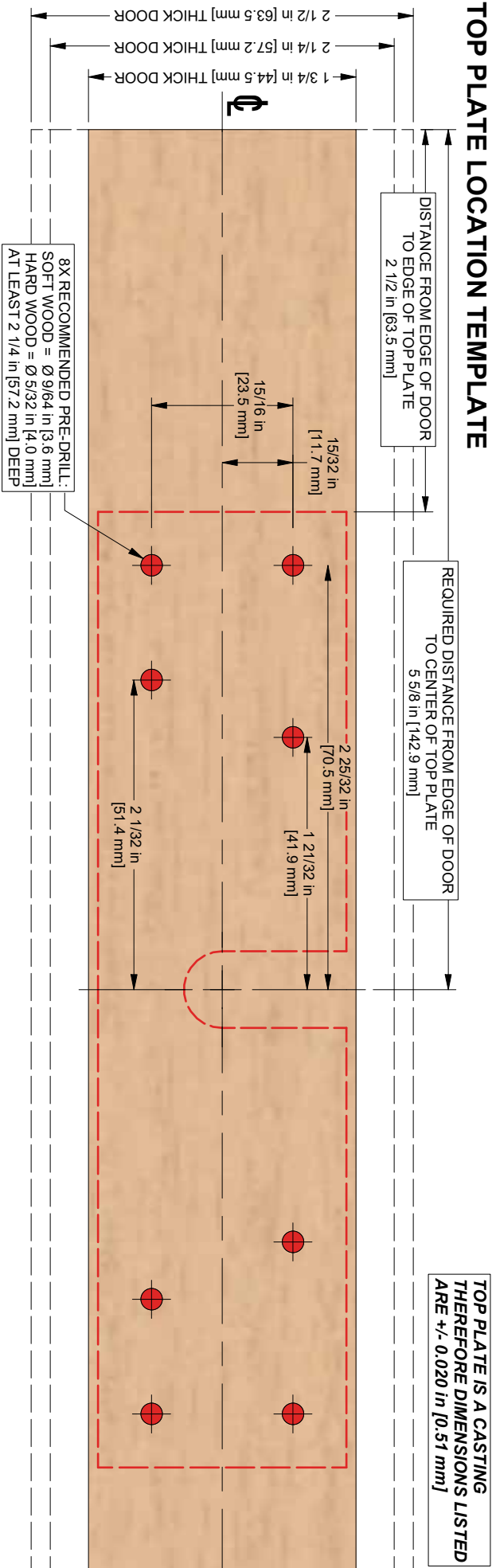


### Step #F4:

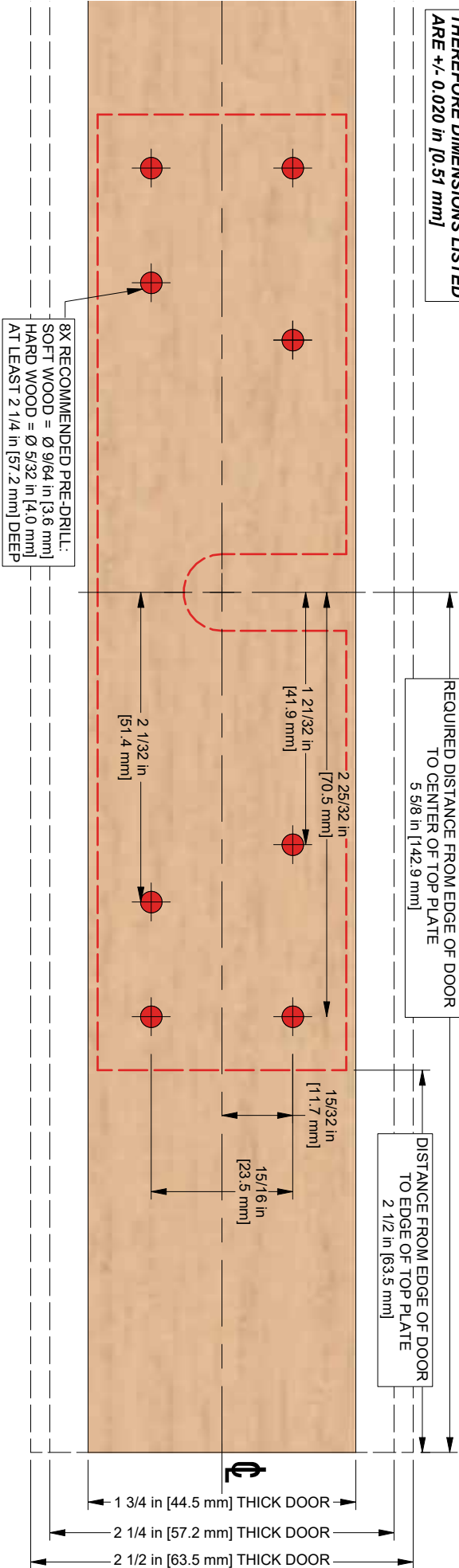
Install finishing casing around opening (by others).

**Note:** It is recommended to make one side of trim "easily" removable for future access for maintenance purposes.

TOP PLATE LOCATION TEMPLATE



TOP PLATE LOCATION TEMPLATE



# How It All Comes Together

