

# Type C-W

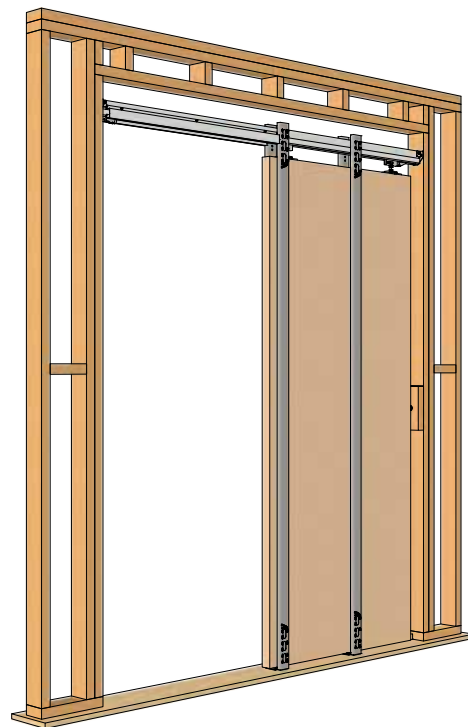
## Installation Instructions

For doors 18 in [457 mm] to 48 in [1219 mm] wide

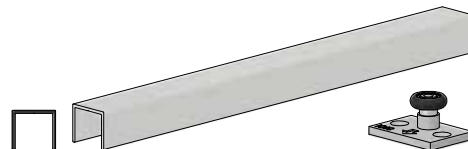
# KNC

## Crowder Frame System

- Crowder Frame is a complete pocket door kit system that includes roll-formed steel uprights, to build the pocket for 2X4 wall construction
- The complete Crowder Frame kit provides quicker and easier installation than a traditional pocket built on-site
- Cycle tested up to 150,000 times
- Up to 150 lbs. [68 kg] doors
- This installation instruction is suitable for doors 18 in [457 mm] to 48 in [1219 mm] wide and 80 in [2032 mm] to 96 in [2438 mm] high and 1 3/8 in [34.9 mm] to 1 3/4 in [44.5 mm] thick
- For double/bi-parting doors, use two single door kits with **CPD-2X4-Joiner Kit** accordingly, refer to installation instructions **CPD-2X4-Joiner Kit**
- Complete with **C-914** Guide Channel & **CP-913** 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 C-W kit illustrated.  
Framing by others.



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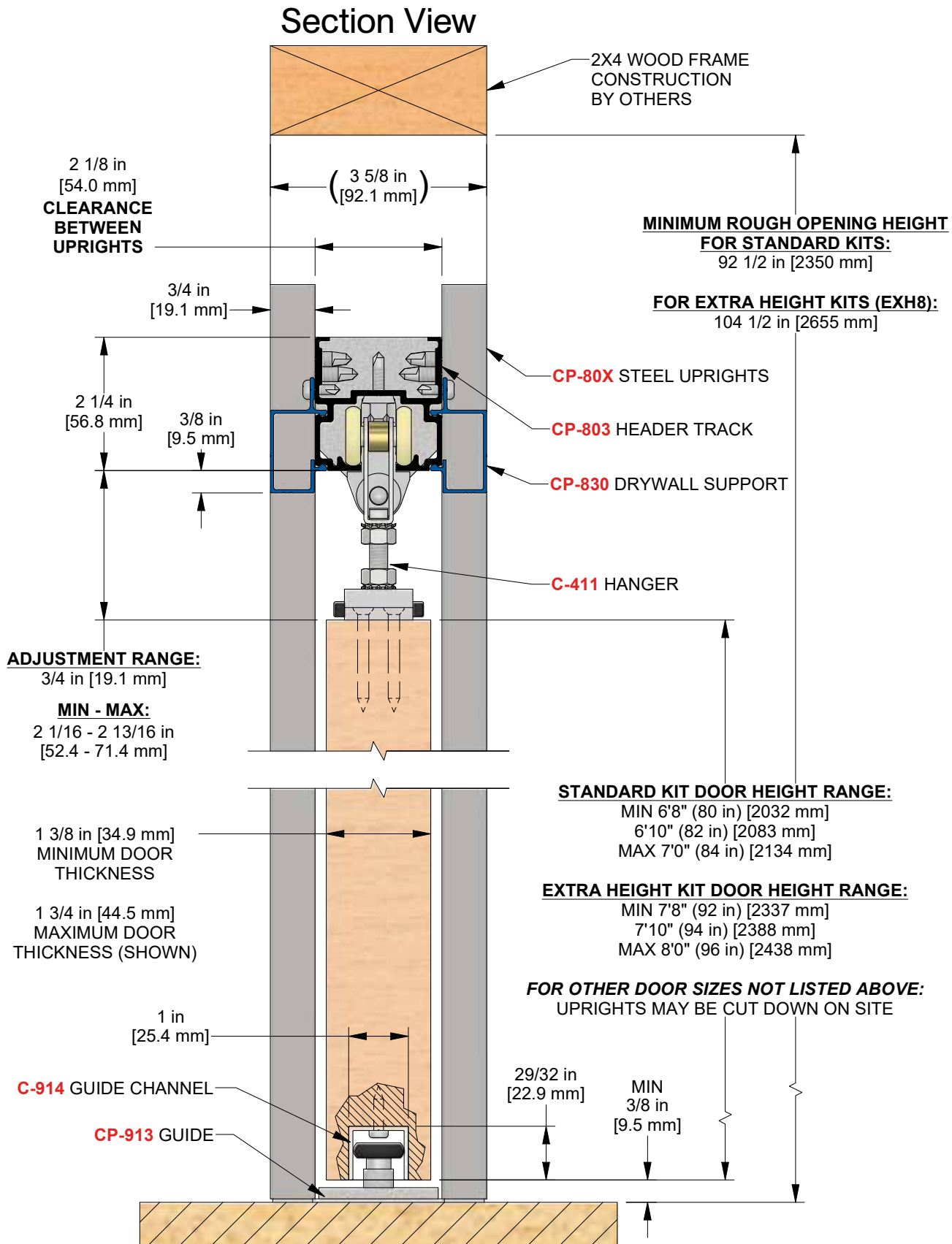
### Template

- 19 Top Plate Location

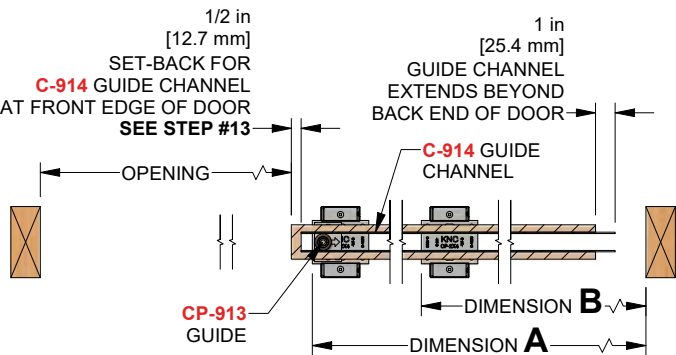
### Overview

- 20 How It All Comes Together

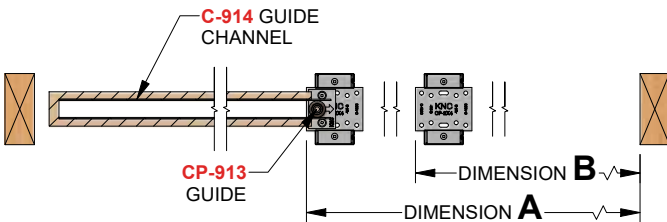
# Product Details & Dimensions



# Plan View

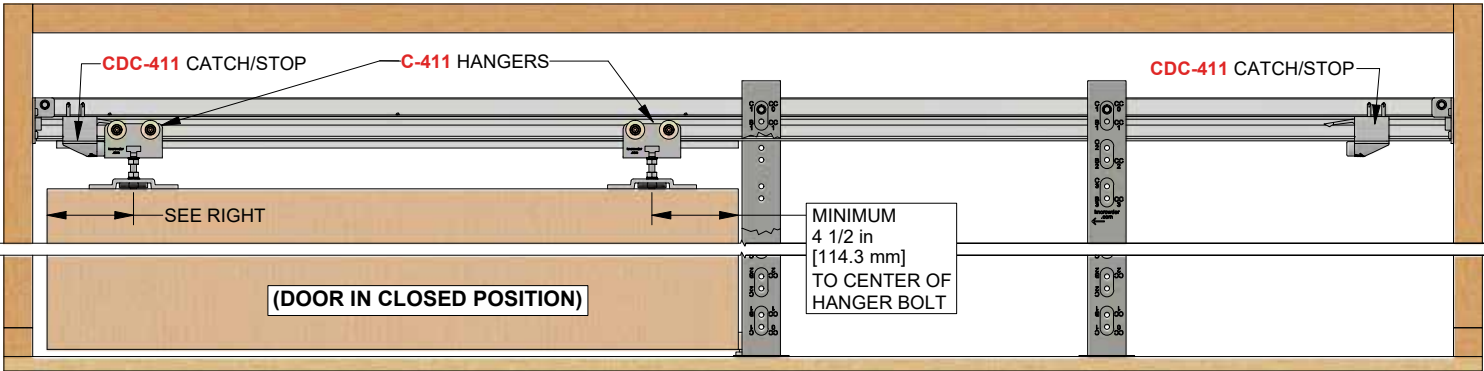
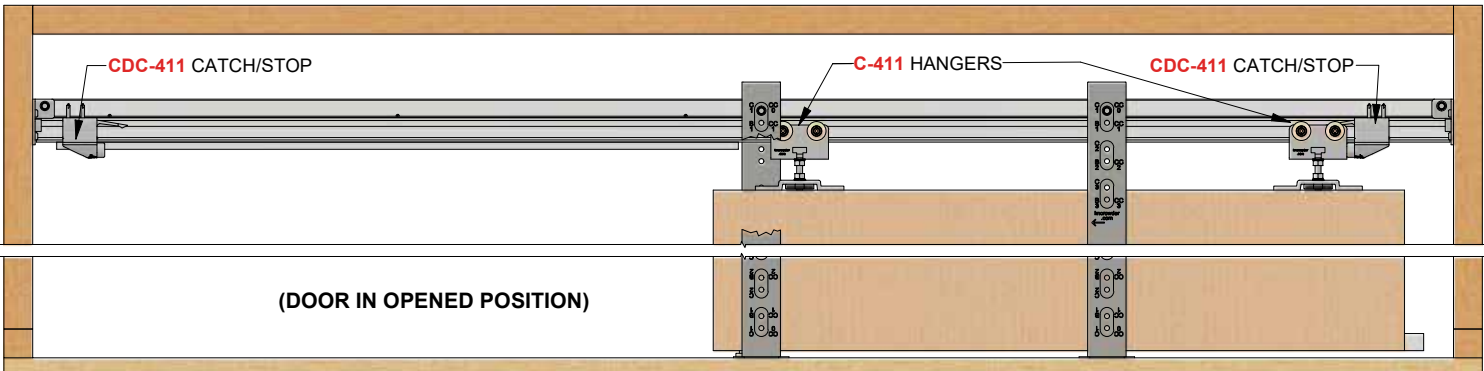


Opened position

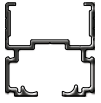
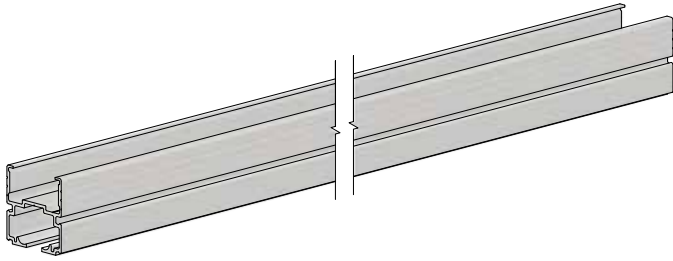


Closed position

# Elevation View



# Parts' List



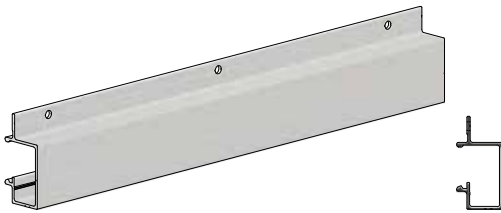
## **CP-803 Header Track x (length options listed below)**

For Type C-W for doors up to 36 in [914 mm] wide:

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

For Type C-W-EXW4 for doors up to 48 in [1219 mm] wide:

**(1) piece x 97 5/8 in [2480 mm]**



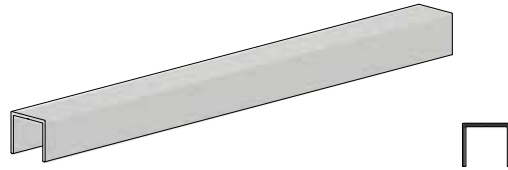
## **CP-830 Drywall Support x (quantity and length options listed below)**

For Type C-W for doors up to 36 in [914 mm] wide:

**(2) pieces x 35 1/2 in [902 mm]**

For Type C-W-EXW4 for doors up to 48 in [1219 mm] wide:

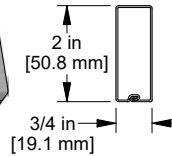
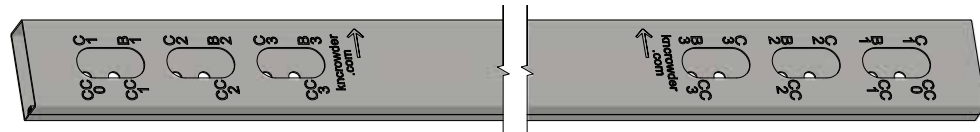
**(2) pieces x 47 1/2 in [1207 mm]**



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

(Length = door width + 1/2 in [12.7 mm], example:

36 in [914 mm] door = 36 1/2 in [927 mm] guide channel)



## **Steel Uprights (quantity and part number options listed below)**

For Type C-W for doors up to 36 in [914 mm] wide x 84 in [2134 mm]/2150 mm high:

**(4) CP-807 Steel Upright (89 15/16 in [2284 mm] long)**

For Type C-W-EXH8 for doors up to 36 in [914 mm] wide x 96 in [2438 mm]/2455 mm high:

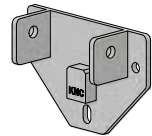
**(4) CP-808 Steel Upright (101 15/16 in [2589 mm] long)**

For Type C-W-EXW4 for doors up to 48 in [1219 mm] wide x 84 in [2134 mm]/2150 mm high:

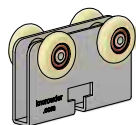
**(6) CP-807 Steel Upright (89 15/16 in [2284 mm] long)**

For Type C-W-EXW4H8 for doors up to 48 in [1219 mm] wide x 96 in [2438 mm]/2455 mm high:

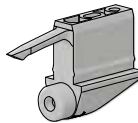
**(6) CP-808 Steel Upright (101 15/16 in [2589 mm] long)**



## **CP-HB2X4 Header Bracket (2)**



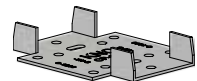
## **C-411 Hanger Body (2)** c/w wheels



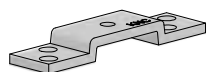
## **CDC-411 Catch/Stop (2)**



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



## **CP-2X4 Foot Bracket (2)** -EXW4 (3)



**C-411 Top Plate (2)**



**C-411 T-bolt (2)**



**C-411 Spinwheel Nut (2)**



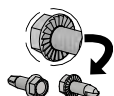
**C-99 Rubber Dome Bumper (1)**



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



**5/16"-18 K-Lock Nut (4)**  
[FT17]



**1/4"-#14 x 3/4"  
Hex Tek Screw (10)**  
[FT36]



**#6 x 1" Fine Thread  
Drywall Screw (60)**  
[FT30]



**#8 x 1/2"  
Self-Drilling Screw (8)**  
[FT32]



**#8 x 3/4" Pan Head Screw (10)**  
[FT2]



**#10 x 1-1/4"  
Pan Head Screw (7)**  
[FT4]



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



**#10 x 1-3/4"  
Flathead Screw (8)**  
[FT9]



**#10 x 2-1/4"  
Self-Drilling Screw (4)**  
[FT6]

\* Extra hardware 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

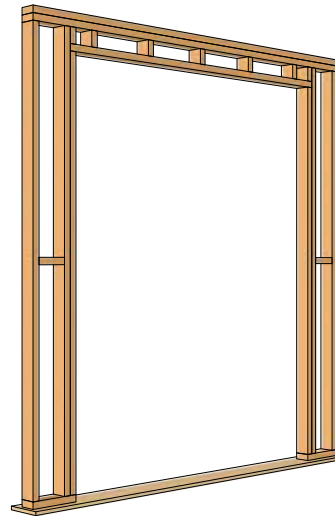
# Required Pre-Installation

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

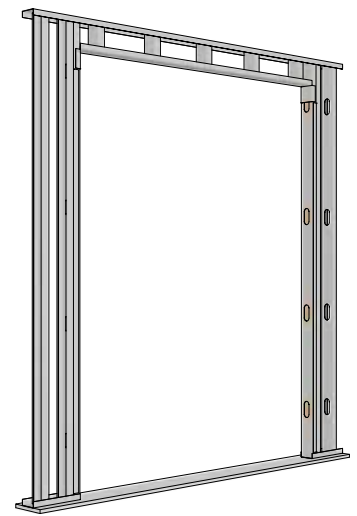
All testing on this product has been completed with 2x4 lumber framing studs or 3 5/8 in [92.1 mm] metal stud framing with integrated lumber framing for rough opening to provide sufficient structural support for Crowder Frame pocket door kits. (Framing details may differ based on region. Refer to your region's building codes for framing details.)

To ensure proper support is provided when using lumber or metal framing studs, verification by a certified structural engineer is required.

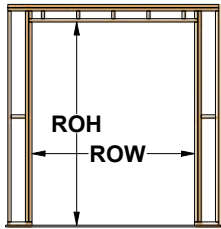
KN Crowder is not responsible for framing details. KN Crowder's warranty will not cover any issues that result from incorrect structural support/framing details



Wood framing by others



Metal framing by others



## Single door opening

Rough opening height (ROH) from finished floor:

At least 92 1/2 in [2350 mm] high for doors up to 84 in (7'-0") or [2150 mm]

At least 104 1/2 in [2654 mm] high for doors up to 96 in (8'-0") or [2455 mm] (-EXH8 kits)

## Double/bi-parting door opening

Refer to CPD-2X4-Joiner Kit installation instruction [Chart CPD-2X4-A](#) for rough opening sizes.

## Chart A: Rough opening size & track length

Door width			Rough opening width (ROW):		CP-803 Track length required:	
18 in	(1'-6")	[457 mm]	38 in	[965 mm]	37 5/8 in	[956 mm]
20 in	(1'-8")	[508 mm]	42 in	[1067 mm]	41 5/8 in	[1057 mm]
22 in	(1'-10")	[559 mm]	46 in	[1169 mm]	45 5/8 in	[1159 mm]
24 in	(2'-0")	[610 mm]	50 in	[1270 mm]	49 5/8 in	[1261 mm]
26 in	(2'-2")	[660 mm]	54 in	[1372 mm]	53 5/8 in	[1362 mm]
28 in	(2'-4")	[711 mm]	58 in	[1473 mm]	57 5/8 in	[1464 mm]
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]	78 in	[1981 mm]	77 5/8 in	[1972 mm]
40 in	(3'-4")	[1016 mm]	82 in	[2083 mm]	81 5/8 in	[2073 mm]
42 in	(3'-6")	[1067 mm]	86 in	[2184 mm]	85 5/8 in	[2175 mm]
44 in	(3'-8")	[1118 mm]	90 in	[2286 mm]	89 5/8 in	[2277 mm]
46 in	(3'-10")	[1168 mm]	94 in	[2388 mm]	93 5/8 in	[2378 mm]
48 in	(4'-0")	[1219 mm]	98 in	[2489 mm]	97 5/8 in	[2480 mm]

Track length  
equal to:

2x door width  
+  
1 5/8 in  
[41.3 mm]

# Installation Steps

## If Installing with Door Prior to Drywall

### Step #1:

On one side of rough opening, secure one CP-HB2X4 Header Bracket to jamb with (3) #10 x 1-1/4" Pan Head Screws [FT4] at required height based on **Chart B** below.

### Header bracket height:

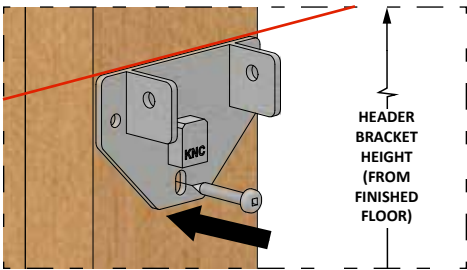
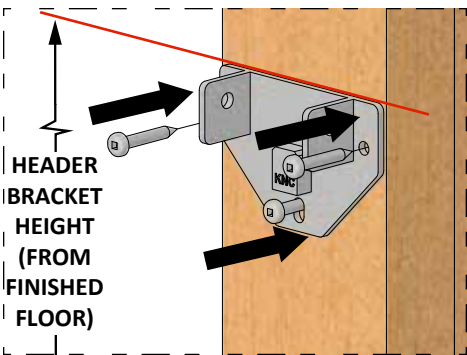
Dimensions shown below for header bracket height are taken from finished floor. If finished floor will be installed after pocket door kit, add finished floor thickness to header bracket height.

Example: 84 in [2134 mm] high door with 3/4 in thick floor = 89 1/8 in [2264 mm] + 3/4 in [19.1 mm] = 89 7/8 in [2283 mm] new header height from sub floor (below finished floor).

**Note: Foot brackets must be shimmed to level of finished floor. See step #8 for details.**

### Step #2:

On opposite side of opening, secure second CP-HB2X4 Header Bracket to jamb at same header bracket height from **step #1** with (1) #10 x 1-1/4" Pan Head Screws [FT4] through bottom oblong hole on bracket. It is recommended to only secure this bracket with one screw to allow for plumb adjustment when installing track in **step #6**.



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

Door height			Header bracket height measurement from finished floor		Type C upright hole ID
80 in	(6'-8")	[2032 mm]	85 1/8 in	[2162 mm]	C3
82 in	(6'-10")	[2083 mm]	87 1/8 in	[2213 mm]	C2
84 in	(7'-0")	[2134 mm]	89 1/8 in	[2264 mm]	C1
<b>Below for -EXH8 kits</b>					
92 in	(7'-8")	[2337 mm]	97 1/8 in	[2467 mm]	C3
94 in	(7'-10")	[2388 mm]	99 1/8 in	[2518 mm]	C2
96 in	(8'-0")	[2438 mm]	101 1/8 in	[2569 mm]	C1

### Step #3:

Cut CP-803 aluminum header track to correct size if required. To calculate track length:

### For single door kits

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

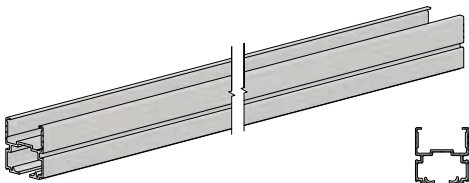
Length is equal to 2 x door width + 1 5/8 in [41.3 mm]. See column "CP-803 Track length required" in **Chart A** for track lengths based on door widths.

#### For doors greater than 36 in [914 mm] up to 48 in [1219 mm] wide:

Length is equal to 2 x door width + 3 5/8 in [92.1 mm]. See column "CP-803 Track length required" in **Chart A** for track lengths based on door widths.

### !! Attention !!

For double/bi-parting door kits, refer to **step #CPD-2 & CPD-3** in CPD-2X4-Joiner Kit installation instructions before proceeding.

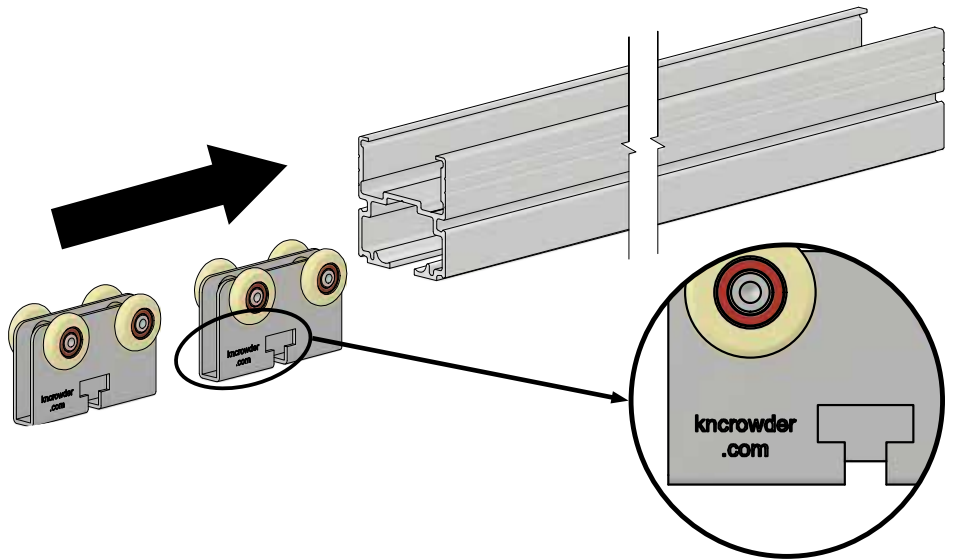




**Step #4:**

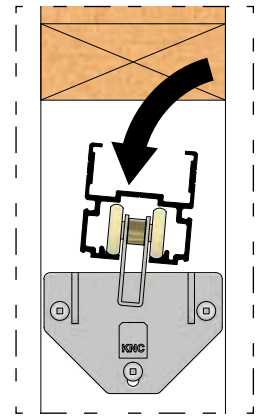
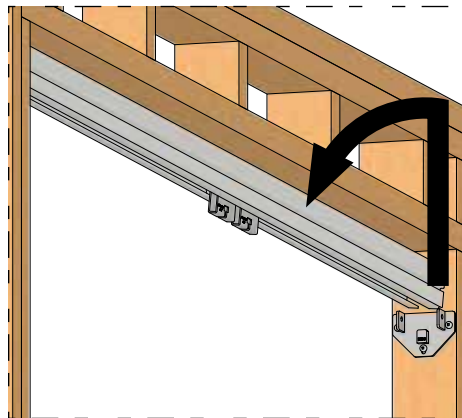
Slide two (2) C-411 Hanger Bodies with wheels into track from one end.

**Note: Ensure “kncrowder.com” text on hanger bodies both face same side as shown right.**

**Step #5:**

Place CP-803 Header Track with hangers onto CP-HB2X4 Header Brackets previously placed in **steps #1 - 2**.

**Note: Top of header track should sit flush with top of header brackets.**

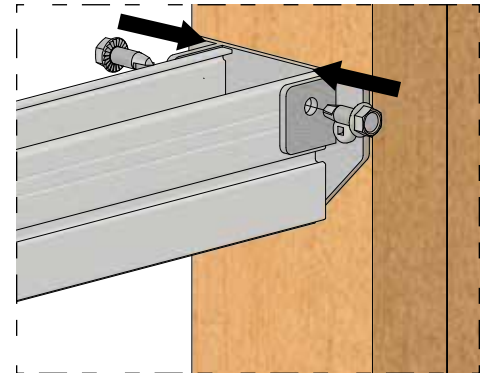
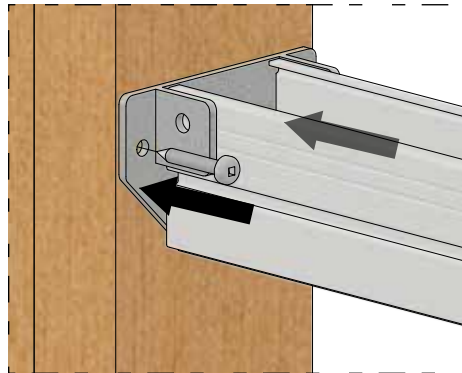
**Step #6:**

Check header track for levelness. Adjust loose header bracket if necessary. Secure header bracket with (2) #10 x 1-1/4" Pan Head Screws [FT4].

**Step #7:**

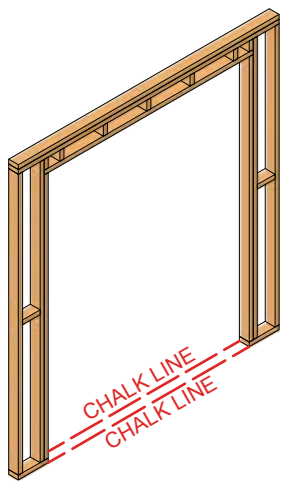
Secure CP-803 Header Track to CP-HB2X4 Header Brackets with (4) 1/4"-#14 x 3/4" Serrated Hex Tek Screws [FT36], two (2) per bracket.

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

**!! Attention !!**

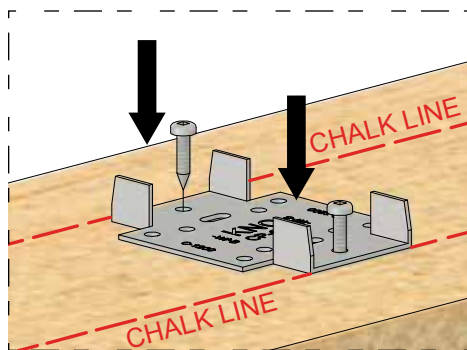
For double/bi-parting door kits, refer to **steps #CPD-5 & CPD-6** in CPD-2X4-Joiner Kit installation instruction before proceeding.





#### Step #8:

Use a chalk line against bottom studs of wall to mark lines of opening on both sides as shown below. Locate and secure CP-2X4 Foot Brackets (2) or (3) for extra width kits with (2 per bracket) #8 x 3/4" Pan Head Screws [FT2] as per foot bracket location **Chart C** below.

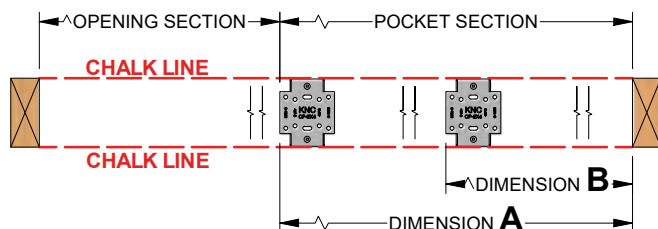


**Note:** Foot brackets are reversible. Foot brackets are to be mounted on finished floor. If finished floor is not installed, shim foot brackets to thickness of finished floor. Foot bracket location dimensions are based on standard set-up and will accommodate suggested finishing as shown on pages 17-18.

For double/bi-parting doors, refer to **step #CPD-7** in CPD-2X4-Joiner Kit installation instruction before proceeding.

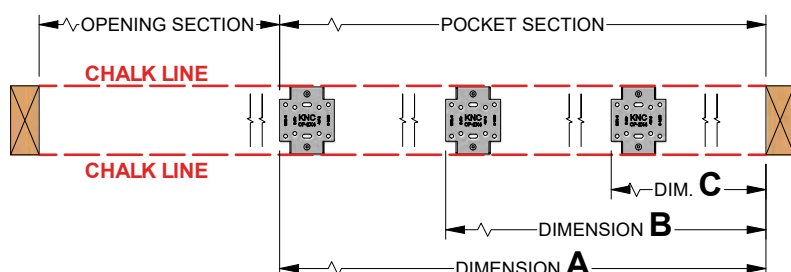
## Chart C: Foot bracket location dimensions A, B, C

Door width			Dimension A		Dimension B		Dimension C
18 in	(1'-6")	[457 mm]	19 1/2 in	[495 mm]	10 1/2 in	[267 mm]	----
20 in	(1'-8")	[508 mm]	21 1/2 in	[546 mm]	10 1/2 in	[267 mm]	----
22 in	(1'-10")	[559 mm]	23 1/2 in	[597 mm]	11 1/2 in	[292 mm]	----
24 in	(2'-0")	[610 mm]	25 1/2 in	[648 mm]	11 1/2 in	[292 mm]	----
26 in	(2'-2")	[660 mm]	27 1/2 in	[699 mm]	12 1/2 in	[318 mm]	----
28 in	(2'-4")	[711 mm]	29 1/2 in	[749 mm]	13 1/2 in	[343 mm]	----
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]	39 1/2 in	[1003 mm]	26 1/2 in	[673 mm]	13 1/2 in [343 mm]
40 in	(3'-4")	[1016 mm]	41 1/2 in	[1054 mm]	28 1/2 in	[724 mm]	15 1/2 in [394 mm]
42 in	(3'-6")	[1067 mm]	43 1/2 in	[1105 mm]	29 1/2 in	[749 mm]	15 1/2 in [394 mm]
44 in	(3'-8")	[1118 mm]	45 1/2 in	[1156 mm]	31 1/2 in	[800 mm]	17 1/2 in [445 mm]
46 in	(3'-10")	[1169 mm]	47 1/2 in	[1207 mm]	32 1/2 in	[826 mm]	17 1/2 in [445 mm]
48 in	(4'-0")	[1219 mm]	49 1/2 in	[1257 mm]	33 1/2 in	[851 mm]	17 1/2 in [445 mm]



#### Standard Plan View

For doors 18 in [457 mm] to 36 in [914 mm] wide



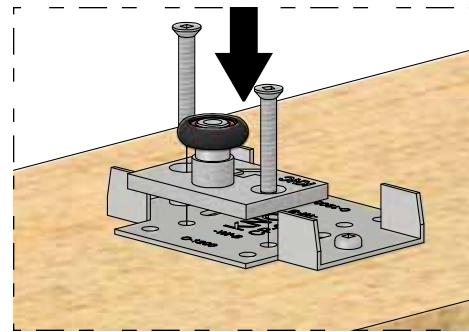
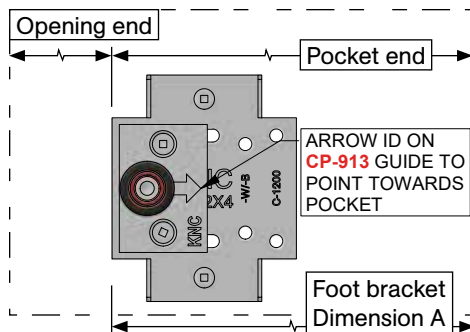
#### -EXW4 (extra width) Plan View

For doors 37 in [940 mm] to 48 in [1219 mm] wide

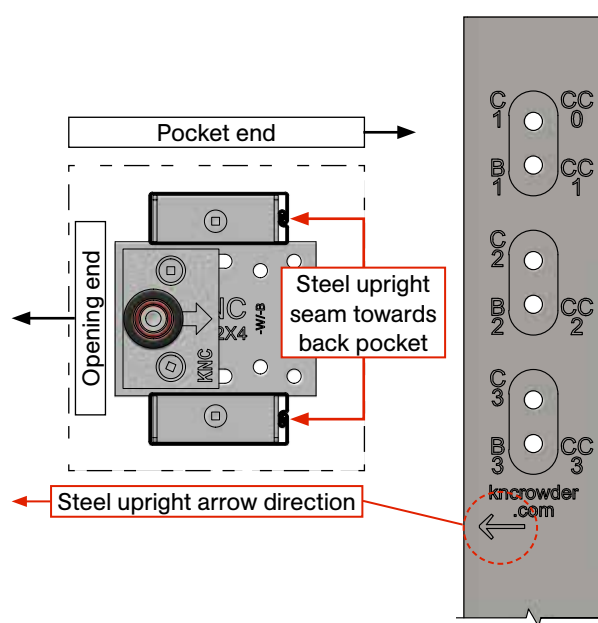
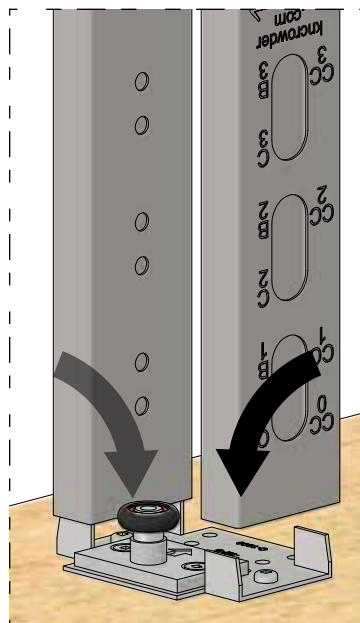
**Step #9:**

Place CP-913 Guide (1) on foot bracket closest to opening end and secure with (2) #10 x 1-1/2" Flathead Screws [FT7].

**Note: Ensure arrow ID on CP-913 Guide is facing towards pocket as shown right.**

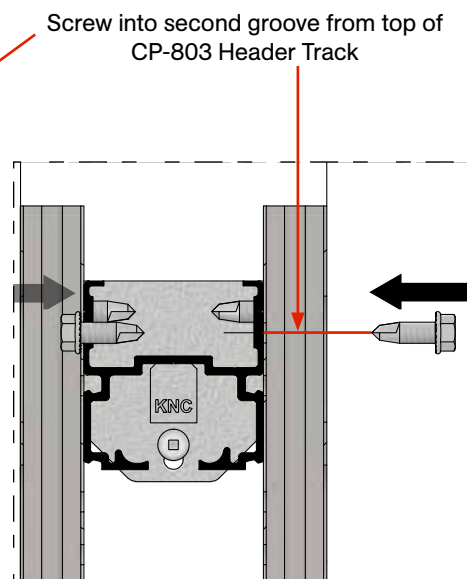
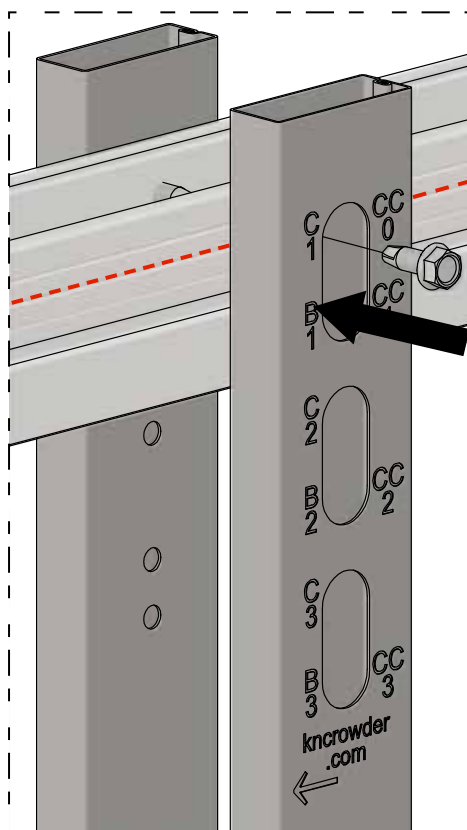
**Step #10:**

Position CP-8XX Steel Uprights on foot brackets with large oval clearance holes facing out and arrow ID pointing towards opening as shown right.

**Step #11:**

Plumb uprights vertically and secure to CP-803 Header Track with (1 per upright) 1/4"-#14 x 3/4" Serrated Hex Tek Screws [FT36].

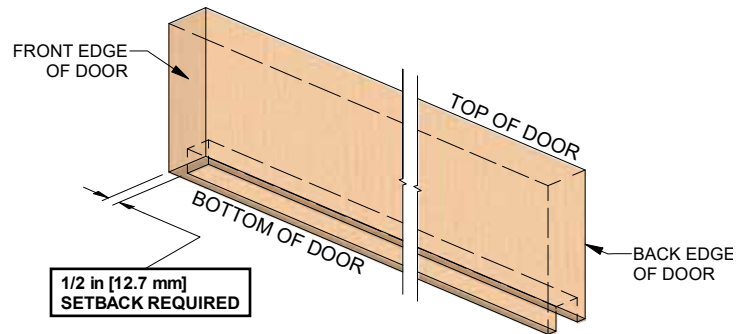
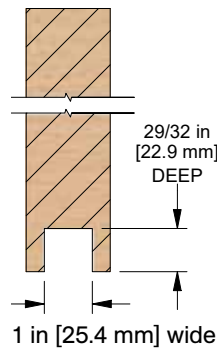
**Note: Screw and hole (refer to Chart B on page 7 for hole ID number to use) in upright should line up with second groove in CP-803 Header Track as shown right. Impact driver is ideal for this step or pre-drill with Ø9/64 in [3.6 mm] drill bit if desired.**



**Step #12:**

Prepare C-914 Guide Channel Slot In bottom of door:

1 in [25.4 mm] wide in center of door,  
29/32 in [23 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 #13:**

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

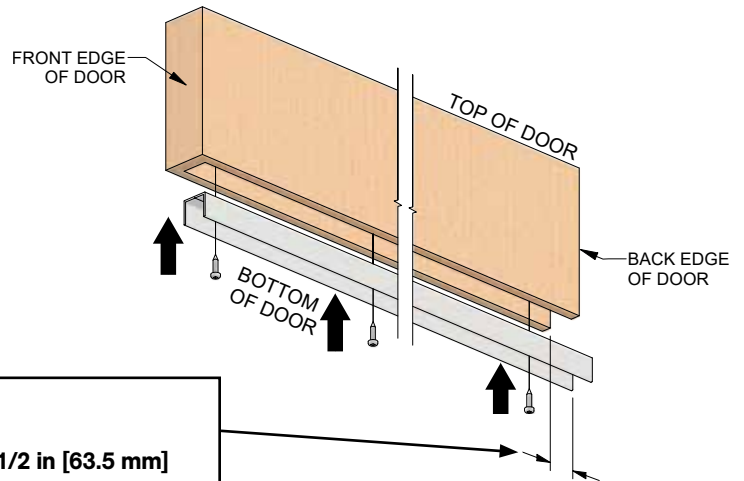
**For doors up to 36 in [914 mm] wide:**

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

**For doors greater than 36 in [914 mm] up to 48 in [1219 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) #8 x 3/4" Pan Head Screws [FT2].



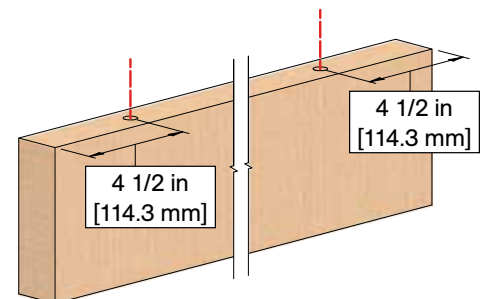
**Guide channel should protrude out back edge of door by:**

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

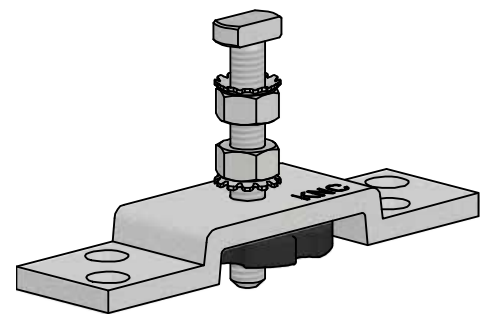
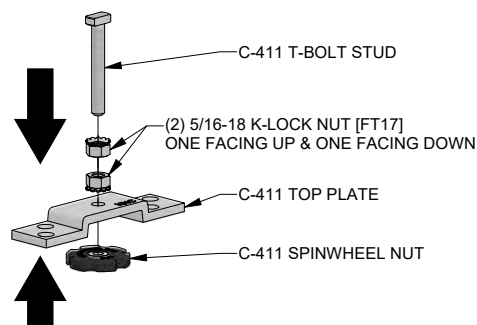
For doors greater than 36 in [914 mm] up to 48 in [1219 mm] wide = **2 1/2 in [63.5 mm]**

**Step #14:**

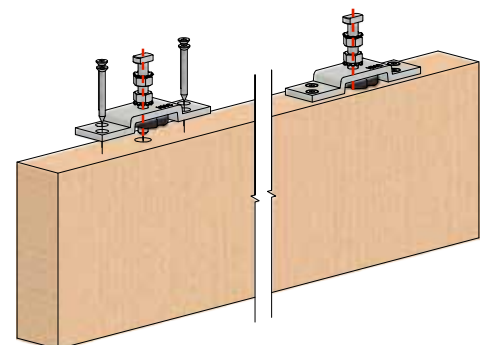
Locate center of clearance hole/top plate on top of door and drill a Ø1/2 in [12.7 mm]  
clearance hole at least 2 in [50.8 mm] deep as shown right:

**Step #15:**

Assemble C-411 Top Plate assemblies as  
shown right (2 assemblies required):

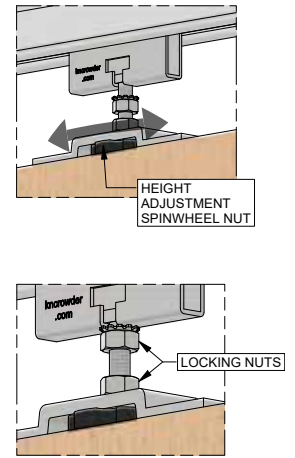
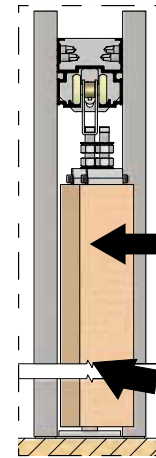
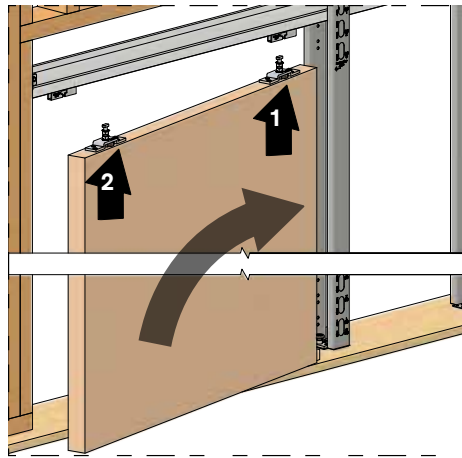
**Step #16:**

Place assemblies from **step #15** on top edge of door with T-bolt placed into clearance  
hole. Mark screw hole locations or use top plate template on page 19 and pre-drill  
Ø1/8 in [3.2 mm] holes at least 1 1/2 in [38.1 mm] deep. Secure with (4 per hanger)  
#10 x 1-3/4" Flathead Screws [FT9].

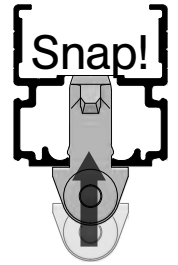
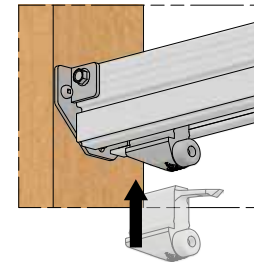


**Step #17:**

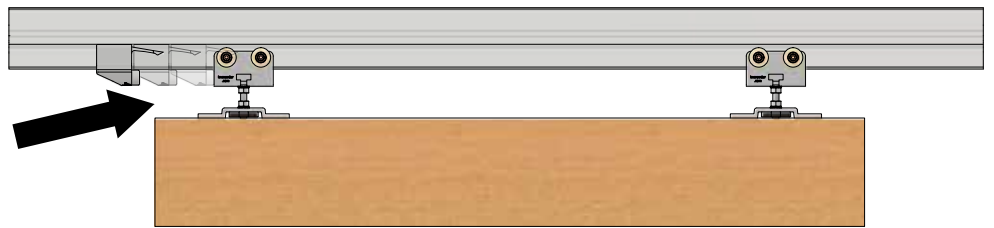
- A. Slide C-411 Hanger Bodies in track into opening
- B. Stand door up in opening
- C. Raise back end of door and engage T-bolt with T-slot on back C-411 Hanger Body (closest to pocket) (arrow #1)
- D. Pivot back end of door into pocket and engage C-914 Guide Channel with CP-913 Pocket Guide
- E. Raise front end of door and engage T-bolt with T-slot on front C-411 Hanger Body (closest to opening) (arrow #2)
- F. Adjust door height and plumb by using spinwheel nuts on top plate assembly
- G. Lock final height adjustment with k-lock nuts using 1/2 in wrench

**Step #18:**

After door has been installed, snap CDC-411 Catch/Stops into each end of track with bumpers facing towards center of track. Once snapped into track, CDC-411 Catch/Stops should be free to slide within track.

**Step #19:**

Position door approximately 5 - 10 in [127 mm - 254 mm] away from final position at one end (shown right). Push loose CDC-411 Catch/Stop against hanger (bumper should be against hanger body).

**Step #20:**

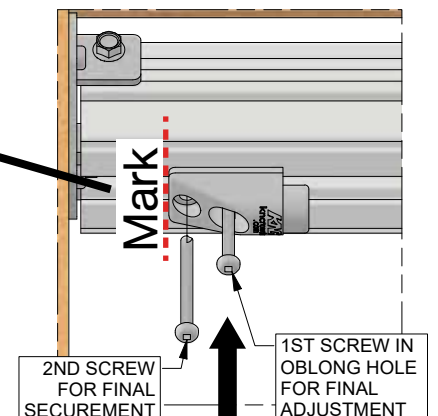
With CDC-411 Catch/Stop loose, slide door to final/desired position of door.

**Note: Ensure that strike and trim thickness are taken into consideration for final/desired position of door. See pages 17-18 for suggested finishing.**

**Step #21:**

Once final position is achieved, mark outside edge of CDC-411 Catch/Stop as shown right, disengage CDC-411 Catch/Stop from hanger and slide door back. Position CDC-411 Catch/Stop at mark and secure with (1) #10 x 2-1/4" Self-Drilling Screw [FT6] in oblong hole as shown right. Recheck door position and adjust CDC-411 Catch/Stop if necessary before securing CDC-411 Catch/Stop with (1) #10 x 2-1/4" Self-Drilling Screw in second hole.

**Note: Remove any drill fillings from inside of track as this will affect operation of sliding door system.**

**Step #22:**

Repeat steps #19 - 21 for opposite CDC-411 Catch/Stop.

**Note: Ensure that strike and trim thickness are taken into consideration for where door will be in final position. See pages 17-18 for suggested finishing.**

### Step #23:

On pocket end framing jamb, mark halfway point from floor to under side of track. Push door into opened position (closest to pocket jamb). 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 [FT12] (quantities are as required to fit in gap previously measured) to pocket jamb to act as secondary stop for door in opened position.

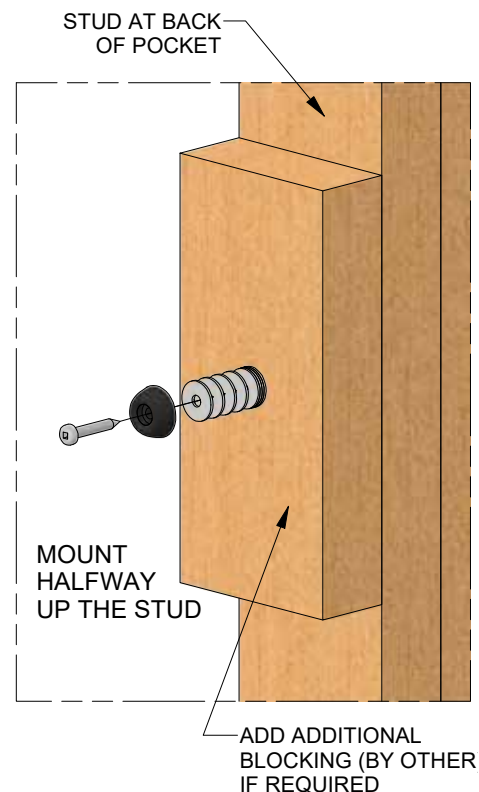
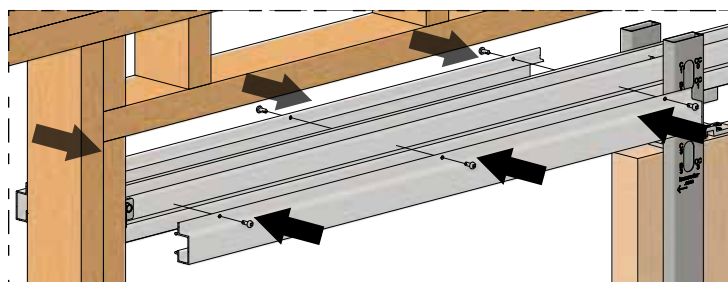
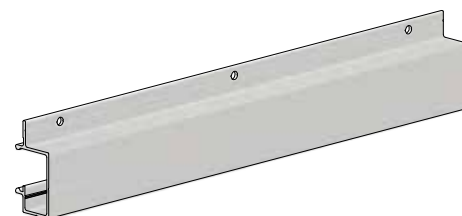
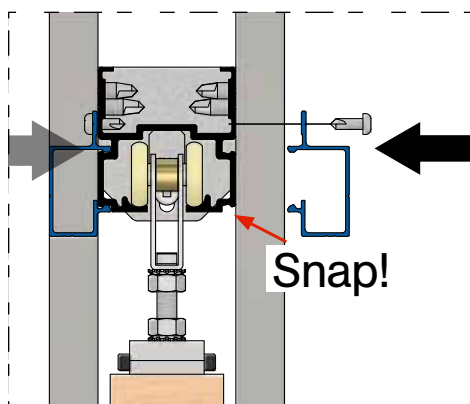
**Note: Additional blocking may be required to fill gap.**

### Step #24:

If required, measure and cut CP-830 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 or 4 holes per piece of CP-830 Drywall Support. Two equal length pieces are required for installation. Snap CP-830 Drywall Supports onto CP-803 Header Track as shown below with step in drywall support facing down towards floor. Once snapped on, secure with (3-4 per side) #8 x 1/2" Self-Drilling Screws [FT32].

### Step #25:

Refer to finishing suggestions, dimensions & installation steps on pages 17-18.



### 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

Chatter/noise when door is sliding

### Solution

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 does not stay engaged with CDC-411 Catch/Stop or door slides open/closed on its own

Ensure CDC-411 Catch/Stops are installed in correct position such that hanger engages stop when door is closed. Hangers will not engage if door slams into stop. For slow closing/holding effect, see Type CC Catch 'N' Close Crowder Frame systems for application (Note, Type CC cannot be retrofitted into Type C or Type B Crowder Frames).

Door rattles

Ensure locking nuts & screws on hangers are secured and not loose.



# Installation Steps

## If Installing Drywall Prior to Door

### Step #D1

Follow **steps #1 - 11** on pages 7-10.

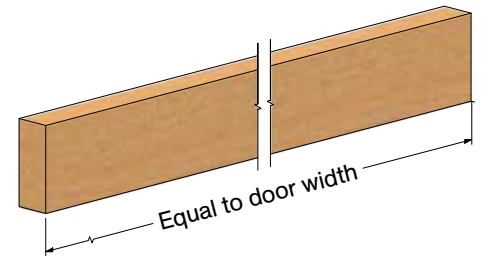
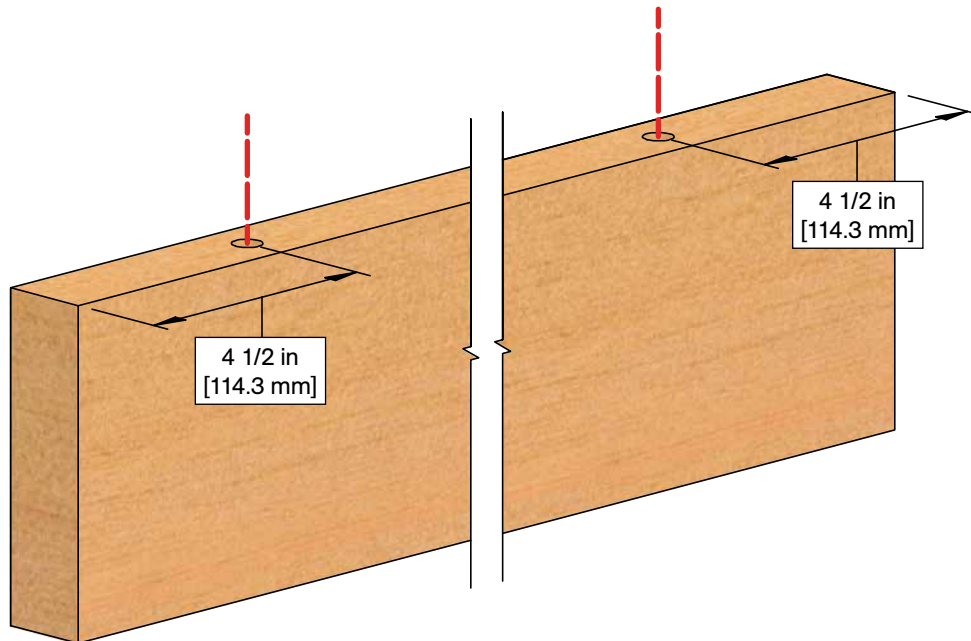
### Step #D2

Obtain a relatively straight scrap piece of lumber (ideally 2x6 framing lumber, not supplied by KN Crowder), and cut to size. Length should be 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.**

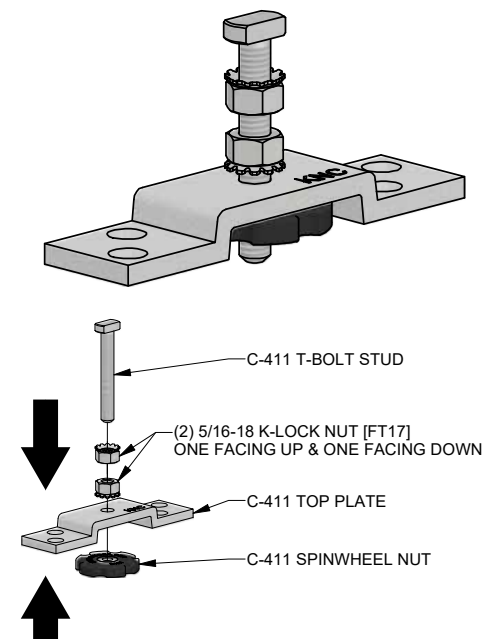
### Step #D3:

Locate center of clearance hole/top plate on top of door template and drill a  $\text{Ø}1/2$  in [12.7 mm] clearance hole at least 2 in [50.8 mm] deep as per template on page 19:



### Step #D4:

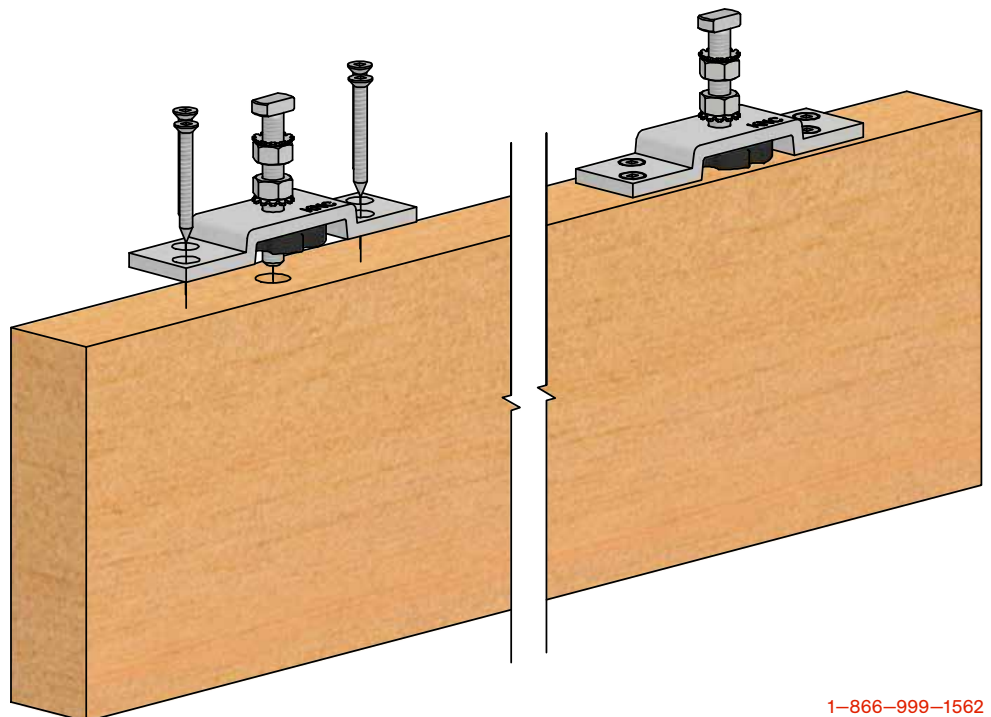
Assemble C-411 Top Plate assemblies as shown below (2 assemblies required):



### Step #D5:

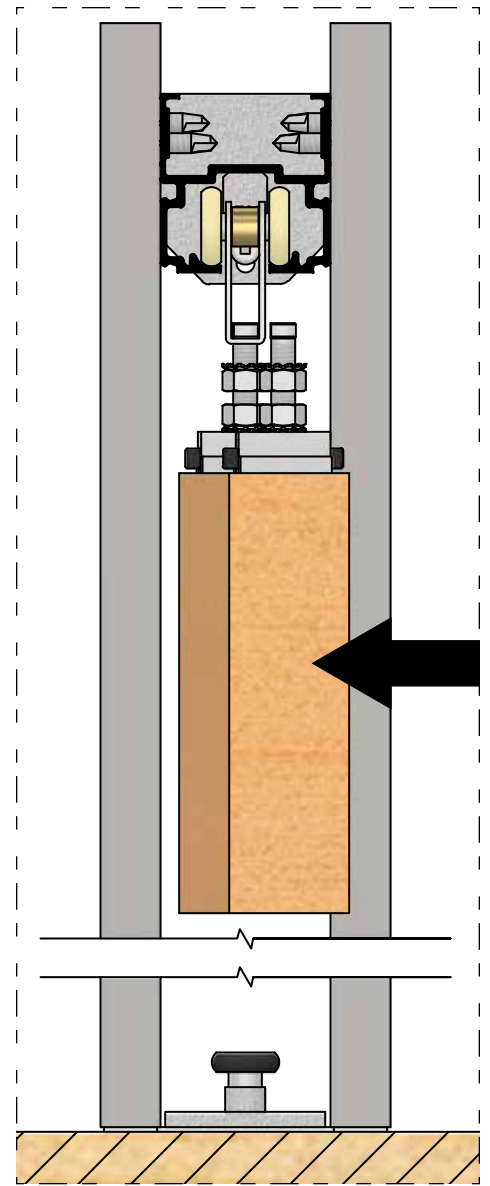
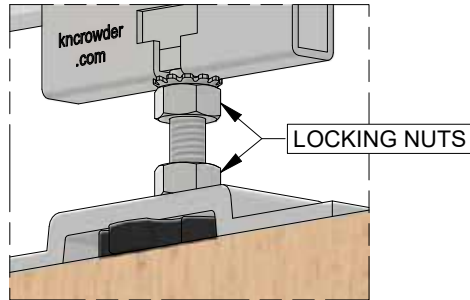
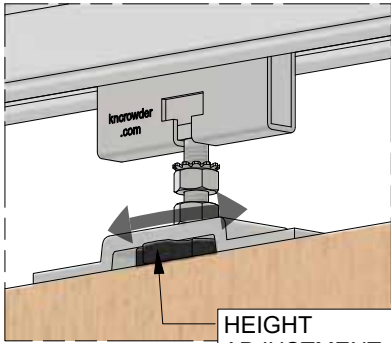
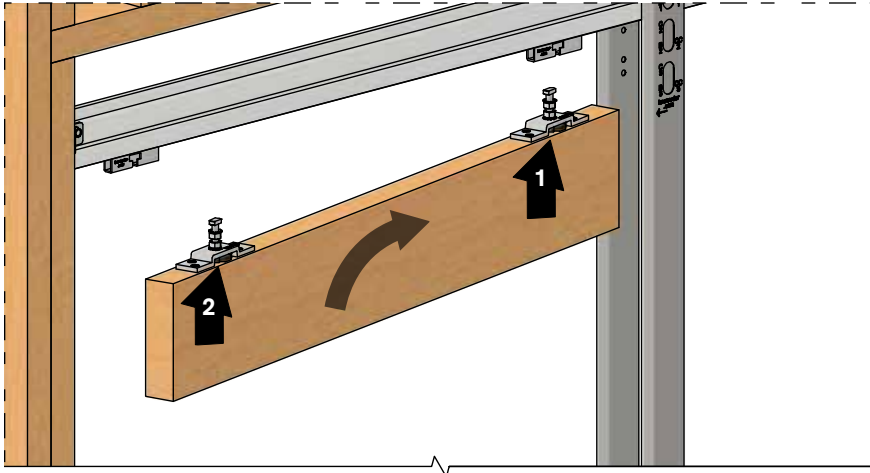
Place assemblies from **step #D4** on top edge of door template with T-bolt placed into clearance hole. Mark screw hole locations or use template shown on page 19 and pre-drill  $\text{Ø}1/8$  in [3.2 mm] holes at least 1 1/2 in [38.1 mm] deep.

Secure with (4 per hanger) #10 x 1-3/4" Flathead Screws [FT9].



**Step #D6:**

- A. Slide C-411 Hanger Bodies in track into opening
- B. Position door template up in opening
- C. Raise back end of door template and engage T-bolt with T-slot on back C-411 Hanger Body (closest to pocket) (arrow #1)
- D. Pivot back end of door template into pocket
- E. Raise front end of door template and engage T-bolt with T-slot on front C-411 Hanger Body (closest to opening) (arrow #2)
- F. Adjust door template and plumb by using spinwheel nuts on top plate assembly
- G. Lock final height adjustment with k-lock nuts using 1/2 in wrench

**Step #D7:**

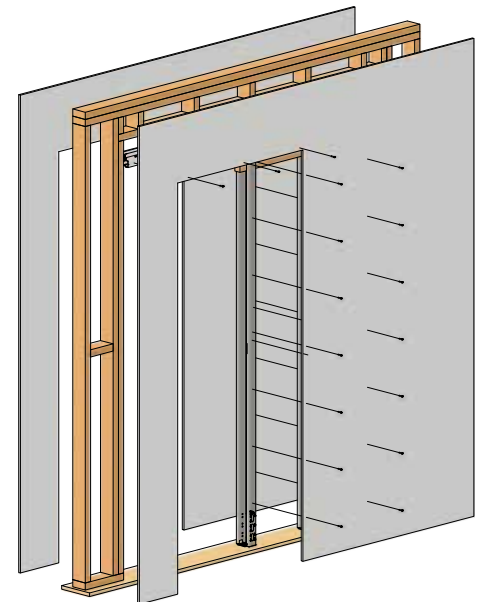
Follow **steps #18 - 24** on pages 12-13.

**Step #D8:**

Install & finish drywall as required. Ensure drywall is cut back to strike jamb, first set of steel uprights and CP-830 Drywall Support to exposed pocket door opening. This will be the "drywall rough opening" of 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 at top & bottom of steel uprights working towards middle. It is recommended to use 8 drywall screws per upright and 4 per drywall supports.





**Step #D9:**

Once door is on site, follow **steps #12 - 13** on page 11.

**Step #D10:**

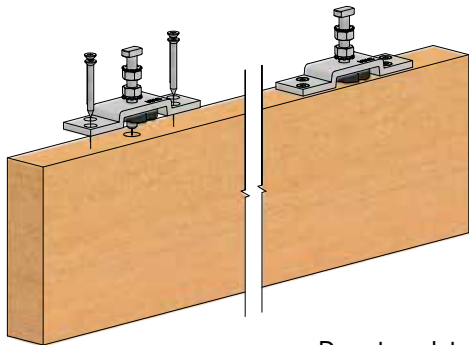
Remove door template from pocket by disengaging from hangers in track (reverse **step #D6**).

**Step #D11:**

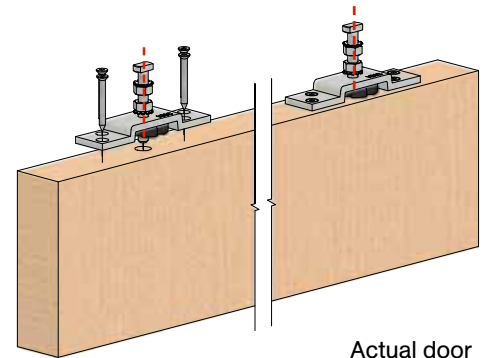
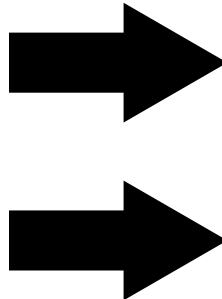
Remove top plate assemblies from door template and mount onto top of actual door in same position as door template per **steps #D3 - D5**.

**Note: Must be mounted at same distance from edge of door as on door template.**

**Failure to do this will result in door not opening or closing fully in pocket.**



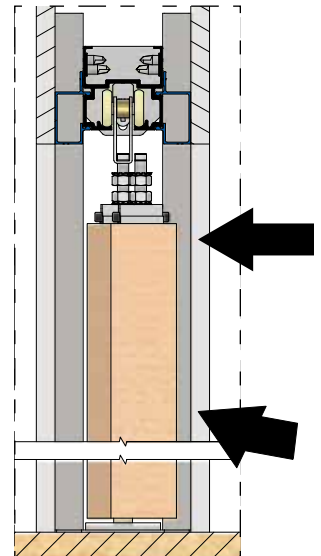
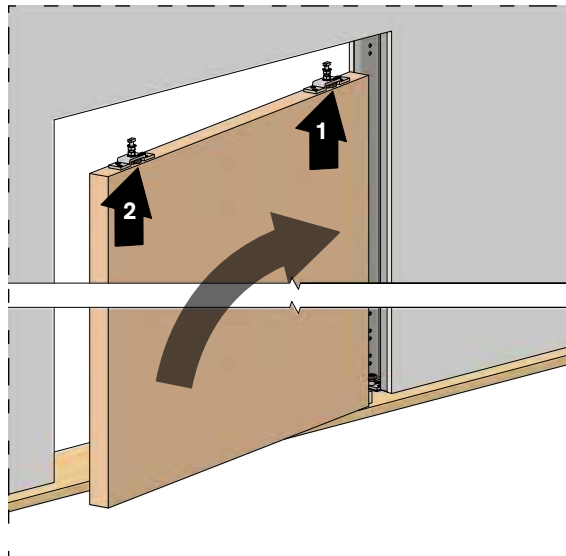
Door template



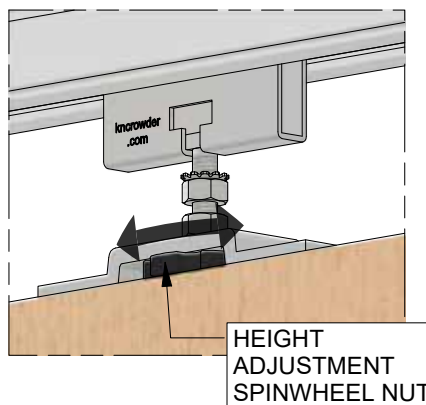
Actual door

**Step #D12:**

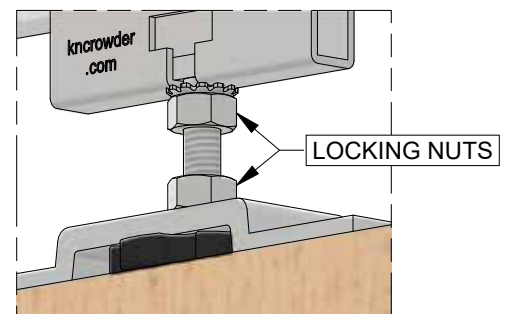
- A. Slide C-411 Hanger Bodies in track into opening
- B. Stand door up in opening
- C. Raise back end of door and engage T-bolt with T-slot on back C-411 Hanger Body (closest to pocket) (arrow #1)
- D. Pivot back end of door into pocket and engage C-914 Guide Channel with CP-913 Pocket Guide
- E. Raise front end of door and engage T-bolt with T-slot on front C-411 Hanger Body (closest to opening) (arrow #2)
- F. Adjust door height and plumb by using spinwheel nuts on top plate assembly
- G. Lock final height adjustment with k-lock nuts using 1/2 in wrench

**Step #D13:**

Finish project with finishing requirements such as trim, door jams, etc (all by others). Refer to finishing suggestions, dimensions & installation steps on pages 17-18.



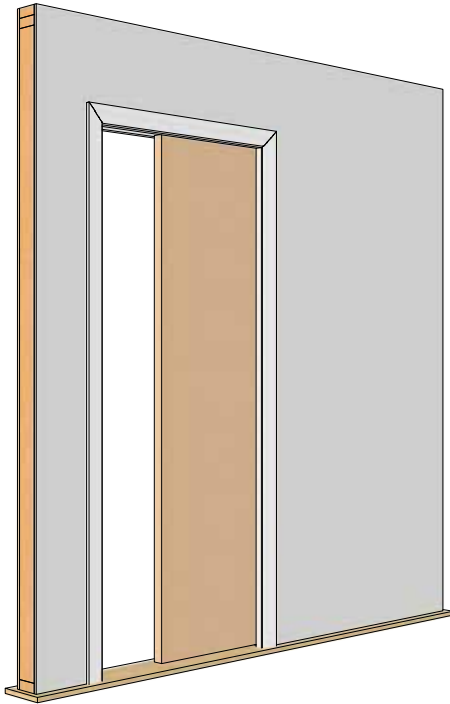
HEIGHT  
ADJUSTMENT  
SPINWHEEL NUT



LOCKING NUTS

# Suggested Finishing & Dimensions

Complete Type C kit illustrated with framing, drywall & suggested finishing by others.



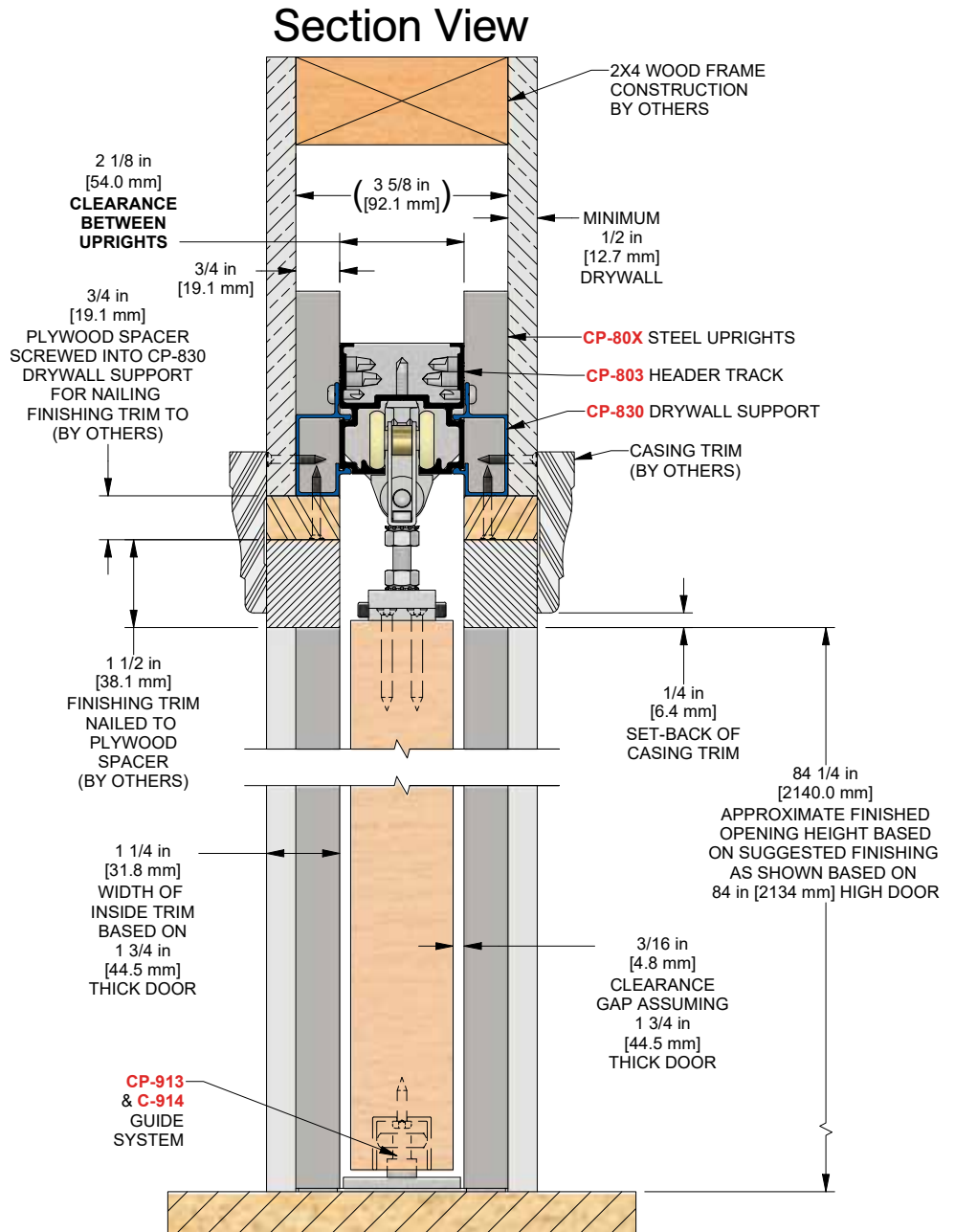
**Note:**  
For double door kits using CPD-2X4-Joiner Kit, use this section detail for reference.

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.

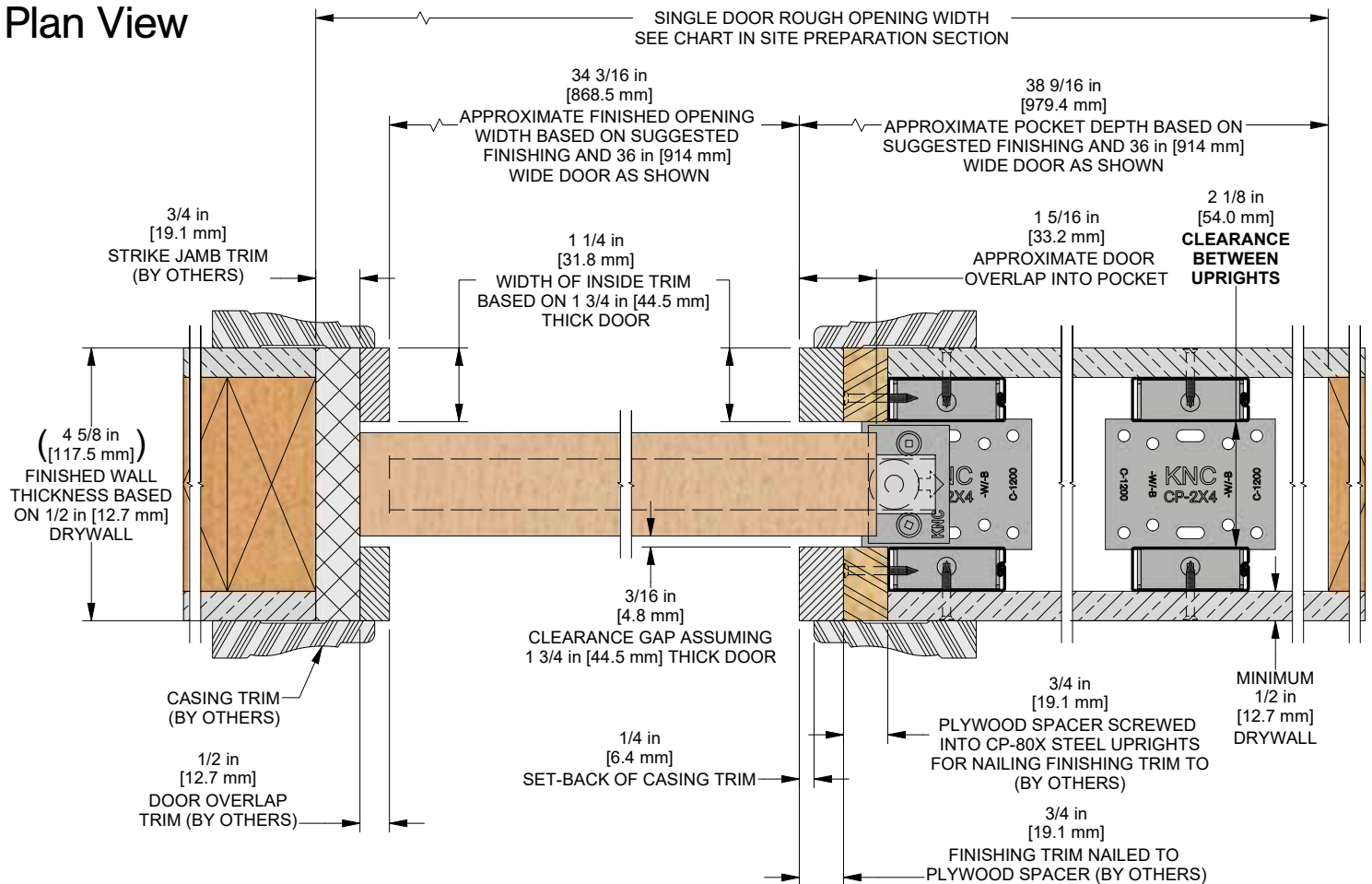
KN Crowder is not responsible for any finishing details.

Suggested details are based on a 36 in [914 mm] wide x 84 in [2134 mm] high door using

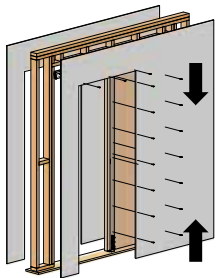
**Type C-W** Crowder Frame pocket door kit.



# Plan View



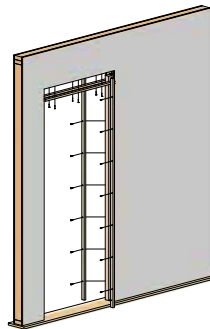
## Finishing Steps



### 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.

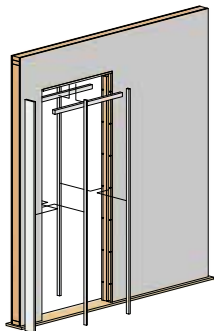
**Note:** Longer screws may penetrate inside face of steel upright and damage door or affect door travel.



### Step #F2:

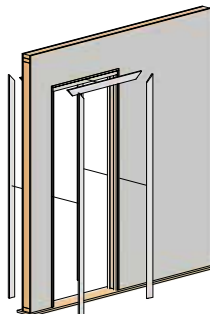
Install plywood/wood spacer (by others) to steel uprights & drywall support using screws (by others).

**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.

# CLEARANCE HOLE LOCATION TEMPLATE

MINIMUM DISTANCE FROM EDGE OF DOOR TO CENTER OF CLEARANCE HOLE/TOP PLATE  
4 1/2 in  
[114.3 mm]

1 3/4 in  
[44.5 mm]  
THICK DOOR

1 3/8 in  
[34.9 mm]  
THICK DOOR

1X CLEARANCE HOLE REQUIRED:  
Ø 1/2 in [12.7 mm] X  
AT LEAST 2 in [50.8 mm] DEEP

# Top Plate Template

4 5/8 in [117.3 mm]

2 in [50.8 mm]

1 1/2 in [38.1 mm]

**TOP PLATE IS A CASTING  
THEREFORE DIMENSIONS LISTED  
ARE +/-0.010 in [0.25 mm]**

1/2 in [13.1 mm]

1 5/32 in [29.1 mm]

1/4 in [6.5 mm]

KNC

1X CLEARANCE HOLE REQUIRED:  
Ø 1/2 in [12.7 mm] X  
AT LEAST 2 in [50.8 mm] DEEP

4X RECOMMENDED PRE-DRILL:  
SOFT WOOD = Ø 1/8 in [3.2 mm]  
HARD WOOD = Ø 9/64 in [3.6 mm]  
AT LEAST 1 1/2 in [38.1 mm] DEEP

The diagram shows a rectangular top plate template with a central circular hole and four corner circular holes. Dimensions are provided in inches and millimeters. A note specifies that the top plate is a casting and dimensions are +/-0.010 in [0.25 mm]. A callout points to the central hole, stating '1X CLEARANCE HOLE REQUIRED: Ø 1/2 in [12.7 mm] X AT LEAST 2 in [50.8 mm] DEEP'. Another callout points to the corner holes, stating '4X RECOMMENDED PRE-DRILL: SOFT WOOD = Ø 1/8 in [3.2 mm] HARD WOOD = Ø 9/64 in [3.6 mm] AT LEAST 1 1/2 in [38.1 mm] DEEP'. The letters 'KNC' are embossed on the plate. The overall width is 4 5/8 in [117.3 mm]. The distance from the left edge to the center of the central hole is 2 in [50.8 mm]. The distance from the center of the central hole to the right edge is 1 1/2 in [38.1 mm]. The thickness of the plate is 1/2 in [13.1 mm]. The distance from the bottom edge to the center of the central hole is 1 5/32 in [29.1 mm]. The distance from the bottom edge to the center of the corner holes is 1/4 in [6.5 mm].

# How It All Comes Together

