

# MARATHON FIRE RATED

Fitting Instructions

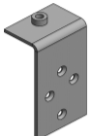
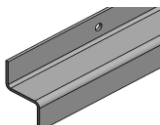
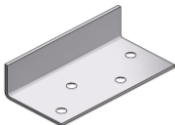
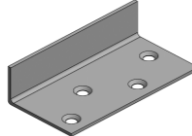

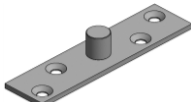
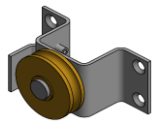

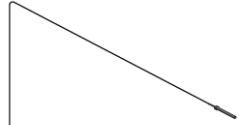

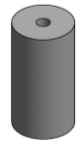





# HENDERSON

## KIT AND DOOR SPECIFICATION

Short Code	Operation	Fire Rating	Max. Door Width	Max. Door Height	Door Thickness Range	Max Door Weight
FDK1	Self Closing	FD30	1500mm	3000mm	44 - 50mm	90kg
FDK2	Non Self Closing	FD30	1500mm	3000mm	44 - 50mm	90kg



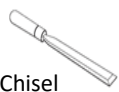





**Note:** A Marathon 90 (S3, S4, S5 or S6) sliding door hardware kit must be purchased in addition to this system.

## KIT CONTENTS

				
Apron Assembly FDK1: x 2 FDK2: x 2	Z Section FDK1: x 2 FDK2: x 2	Back Door Binder FDK1: x 1 FDK2: x 1	Front Door Binder FDK1: x 2 FDK2: x 2	Binder Receiving Plate FDK1: x 1 FDK2: x 1
				
Floor Guide FDK1: x 1 FDK2: x 1	Pulley Assembly x 1 (FDK1 only)	Tension Plate x1 (FDK1 only)	Cable x 1 (FDK1 only)	
				
Clamp x 1 (FDK1 only)	Main Weight x 5 (FDK1 only)	Make Weights x 8 (FDK1 only)	Screw A FDK1: x 30 FDK2: x 26	Screw B FDK1: x 11 FDK2: x 11
				
	Screw C FDK1: x 2 FDK2: x 2	Screw D x 2 (FDK1 only)		

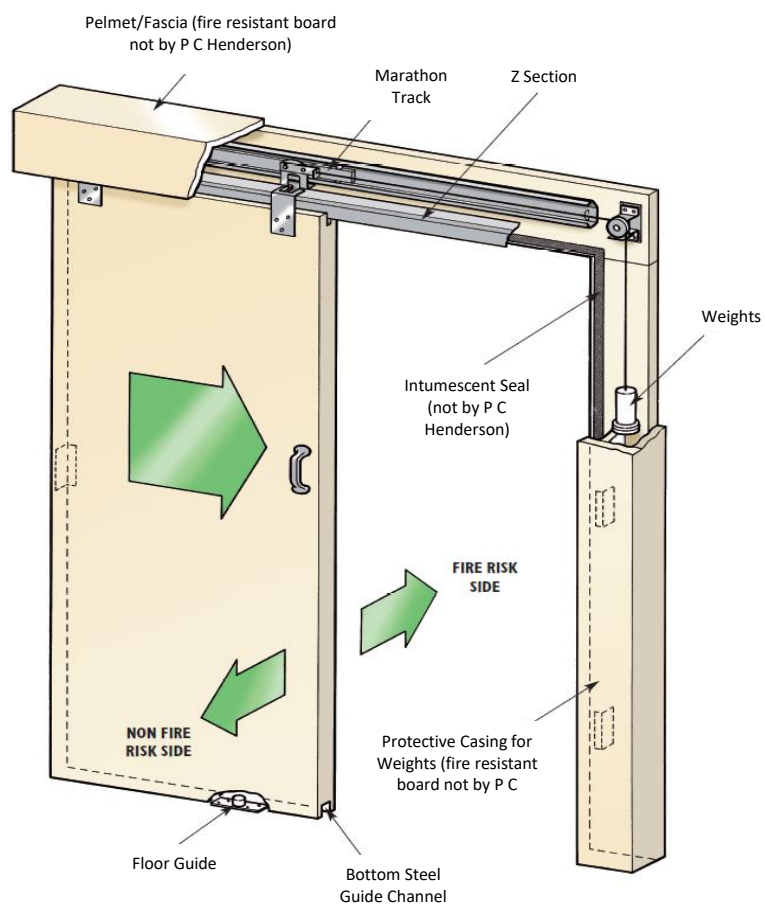
**PLEASE NOTE:** Marathon Fire Rated is a system developed as part of a 30 minute sliding fire door assembly to BS 476: Part 22: 1987 and should be fitted with a solid core FD30 or FD60 timber based fire door on the non-fire risk side of the aperture.

## TOOLS REQUIRED

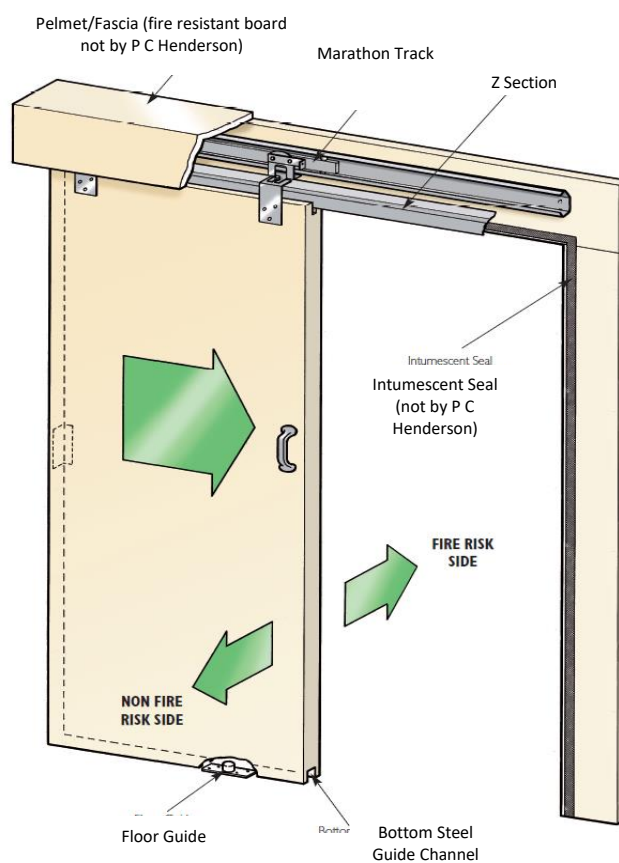
			
Router	Spanner	Chisel	Spirit Level
			
Screwdriver	Tape Measure	Drill	Pliers

## INSTALLATION OVERVIEW

FDK1

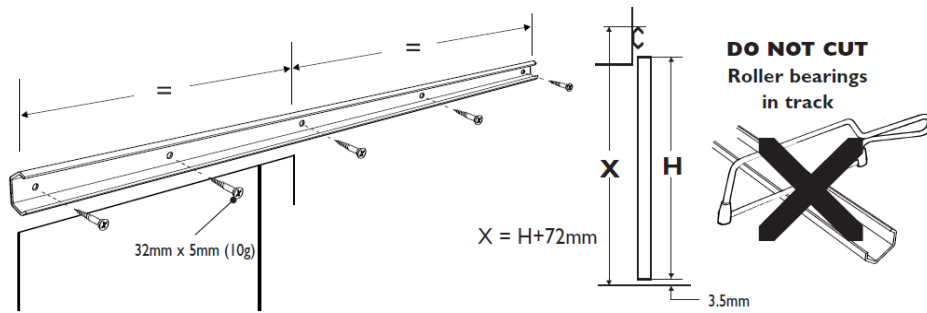


FDK2

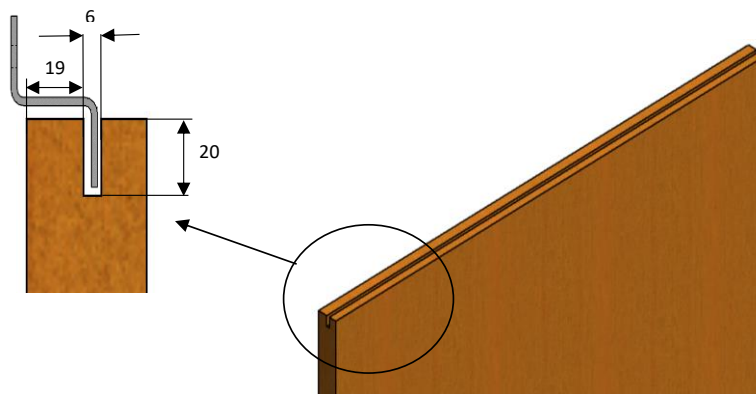


## STEP BY STEP INSTRUCTIONS

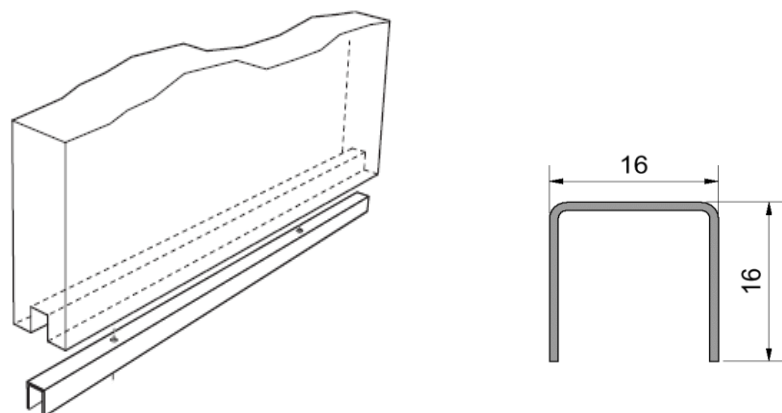
**STEP 1:** Fit track to the opening using screws provided in Marathon 90 kit.



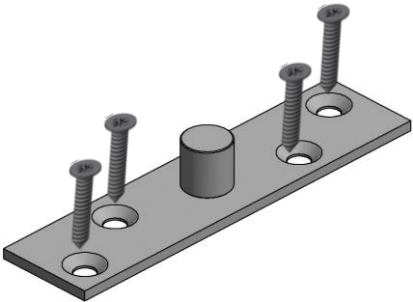
**STEP 2:** Route channel for Z section in top of door.



**STEP 3:** Route guide channel in bottom of door

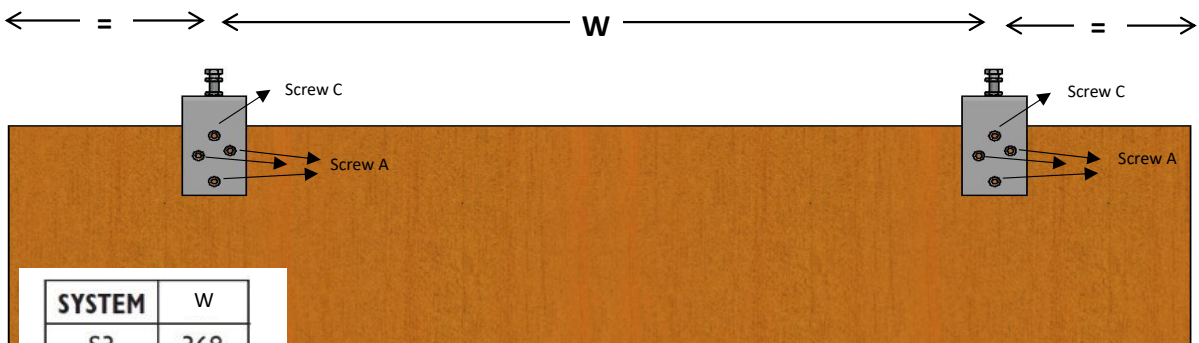


STEP 4: Fix guide to floor using screw A



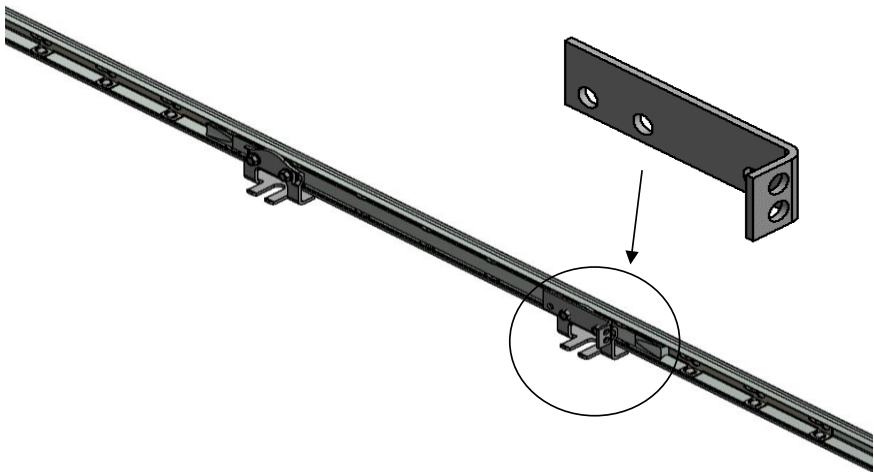
**Note:** Please see typical assembly booklet for positioning details.

STEP 5: Fix apron assemblies to door using screw A and C as shown

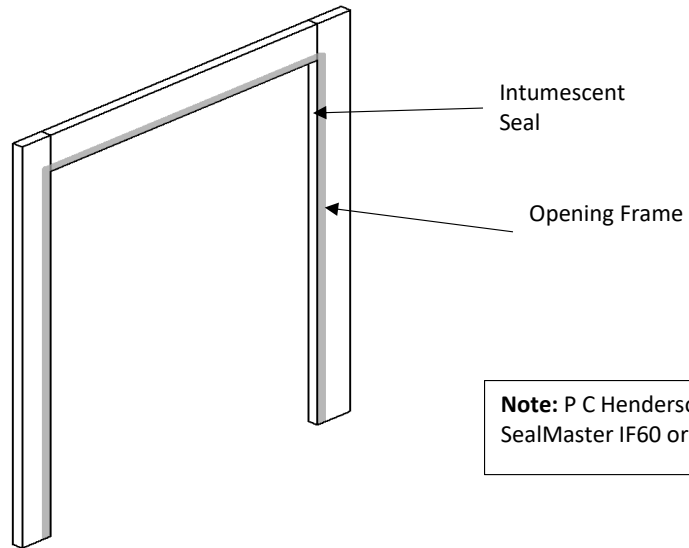


SYSTEM	W
S3	368
S4	445
S5	546
S6	724

STEP 6: Fix tension plate to hanger - undo bolts, fit cable tension plate and re-screw back into place.

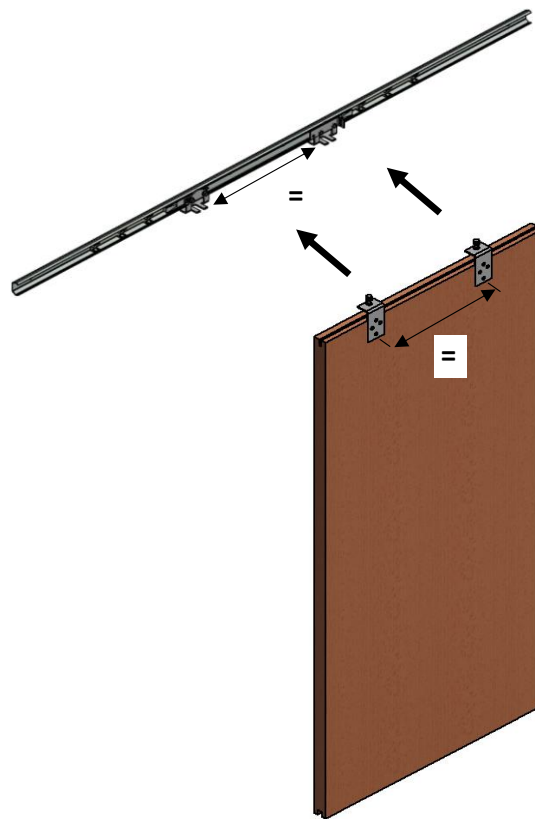


**STEP 7: Fit intumescent seals - not supplied by P C Henderson.**

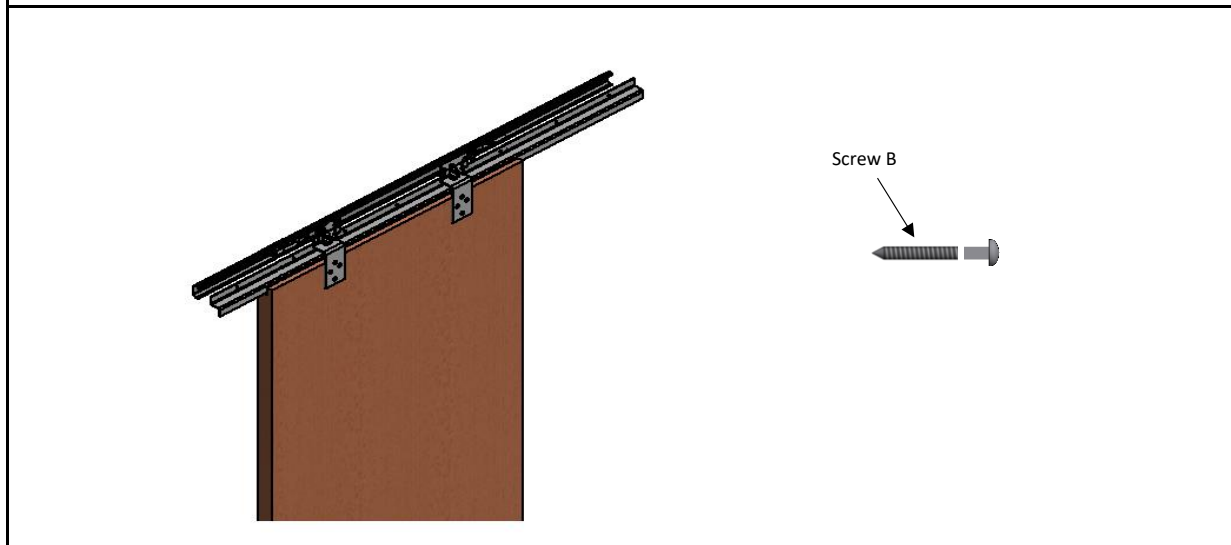


**Note:** P C Henderson recommends SealMaster IF60 or equivalent.

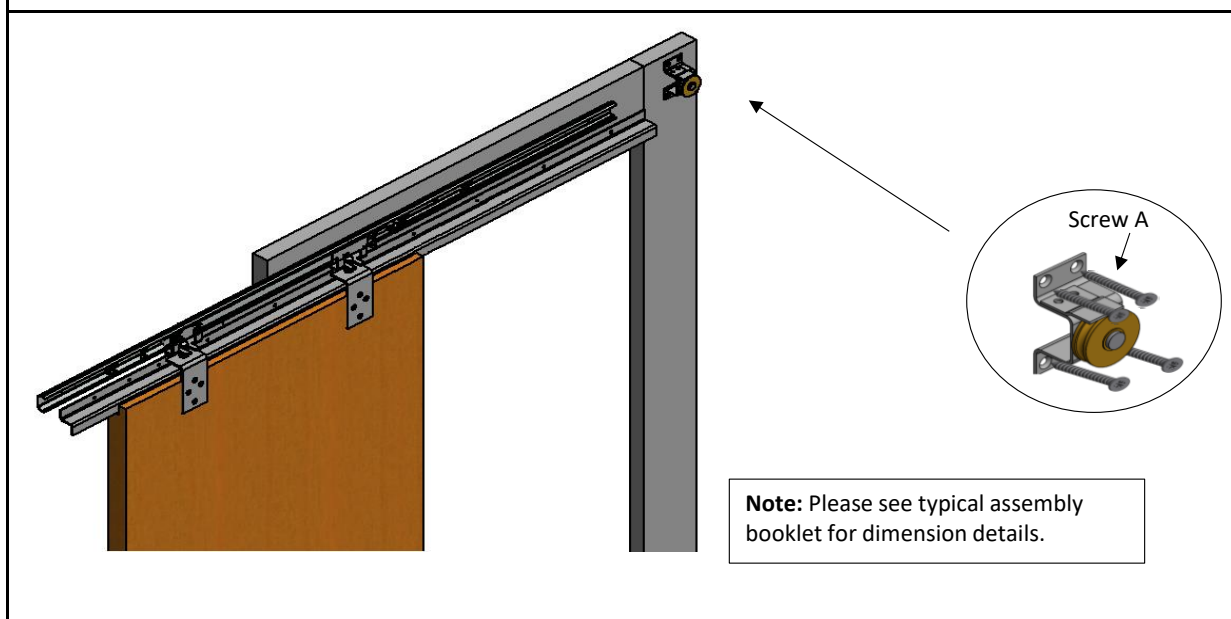
**STEP 8: Hang the door.**



**STEP 9:** Insert Z section to top of door and fix to the wall using screw B.

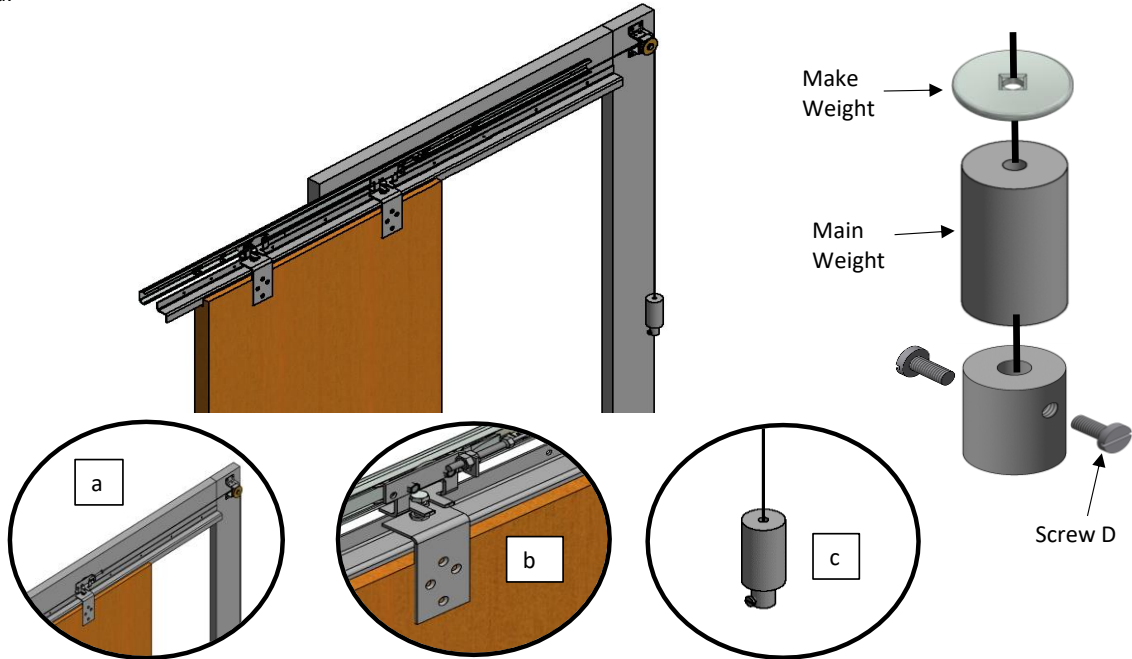


**STEP 10:** For FDK2 installations, please skip to step 13. For FDK1 kits, affix pulley assembly to opening side of door using screw A.



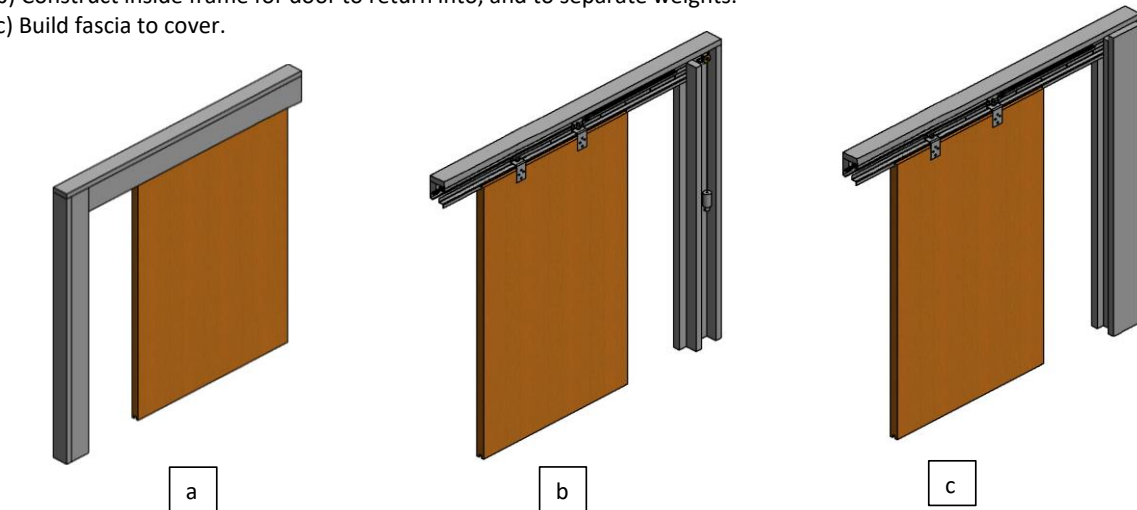
# STEP 11: Attach cable and weights.

- Thread adjustment stem and cable through and around the pulley.
- Securely attach adjustment stem and cable to cable plate with nuts.
- Attach main weight and clamp to cable. Using the make weights, adjust tension of cable for preferred door closing speed.



# STEP 12: Build timber to cover weights and cable ( timber not Supplied by P C Henderson).

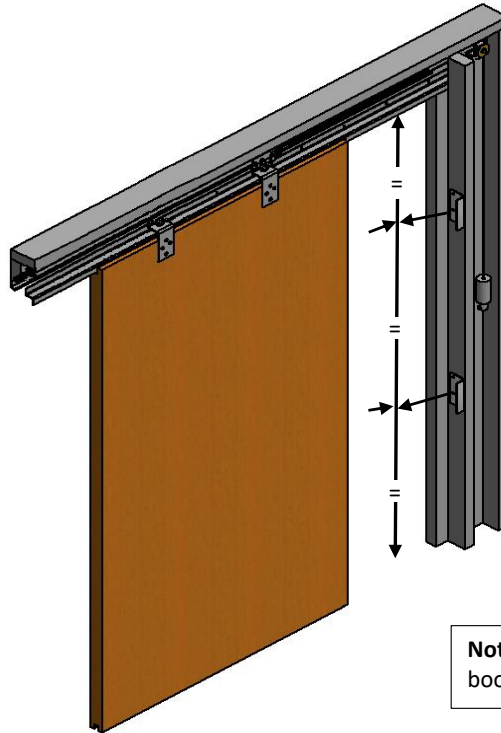
- Build outside timber.
- Construct inside frame for door to return into, and to separate weights.
- Build fascia to cover.



**Note:** Please see "Typical Assembly" Booklet for more information and for dimension details.

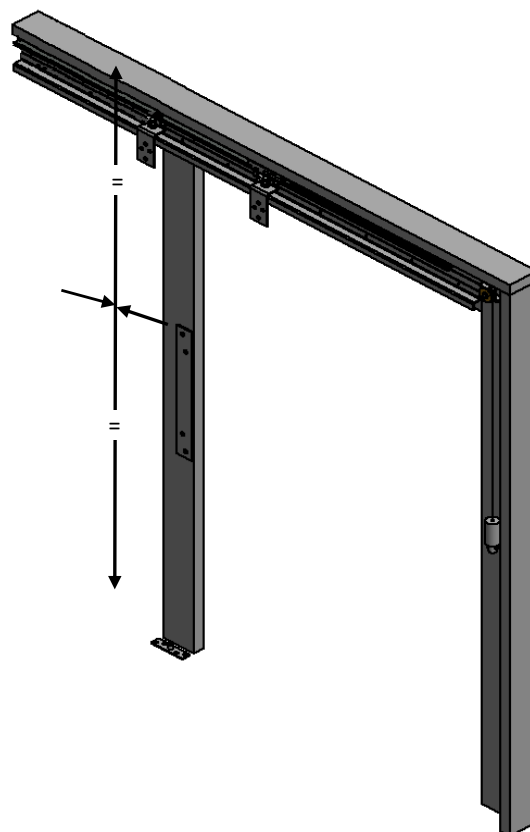
(For demonstrative purposes only - Fire Resistant board should be used - not supplied by P C Henderson. Timber work should be evaluated on an individual basis).

**STEP 13:** Fix front door binders to frame using screw A, making sure the hingers are equal distance.

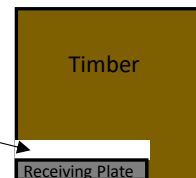


**Note:** Please see typical assembly booklet for dimension details

**STEP 14:** Affix binder receiving plate using screw A .



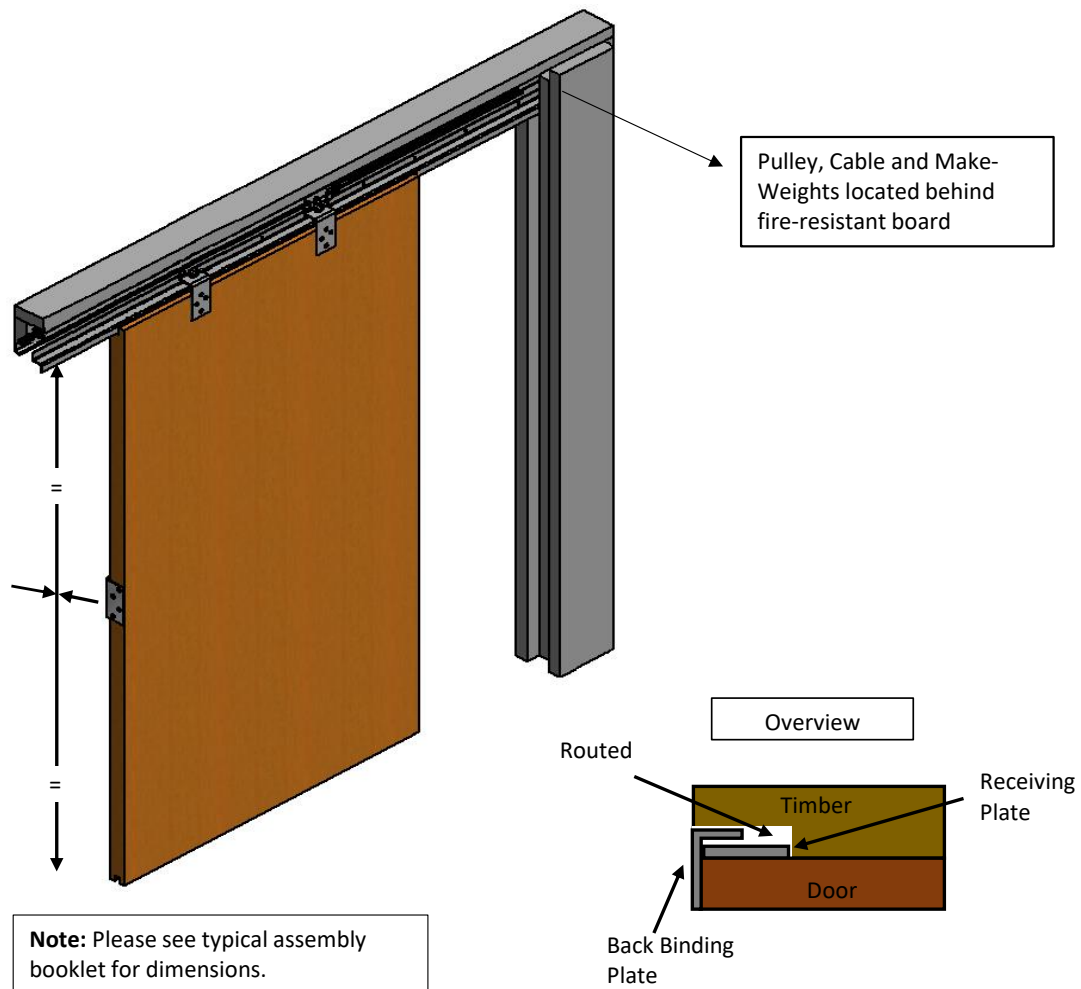
Overview



Routed Cavity

**Note:** Please see typical assembly booklet for dimension details.

**STEP 15: Affix back door binder using screw A.**



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