

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

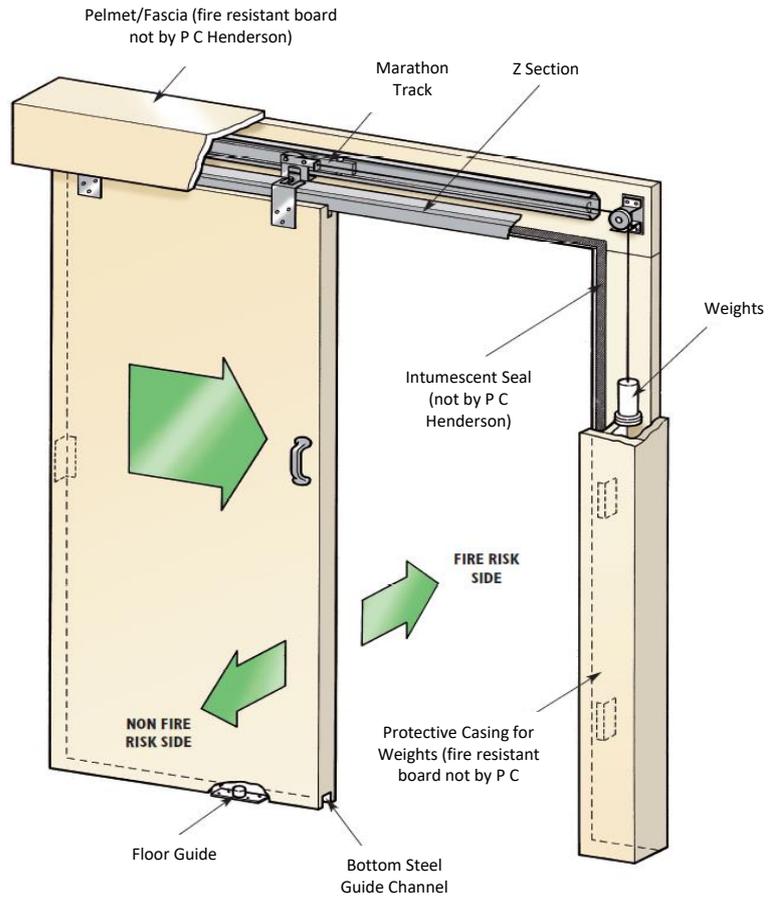
Tape Measure

Drill

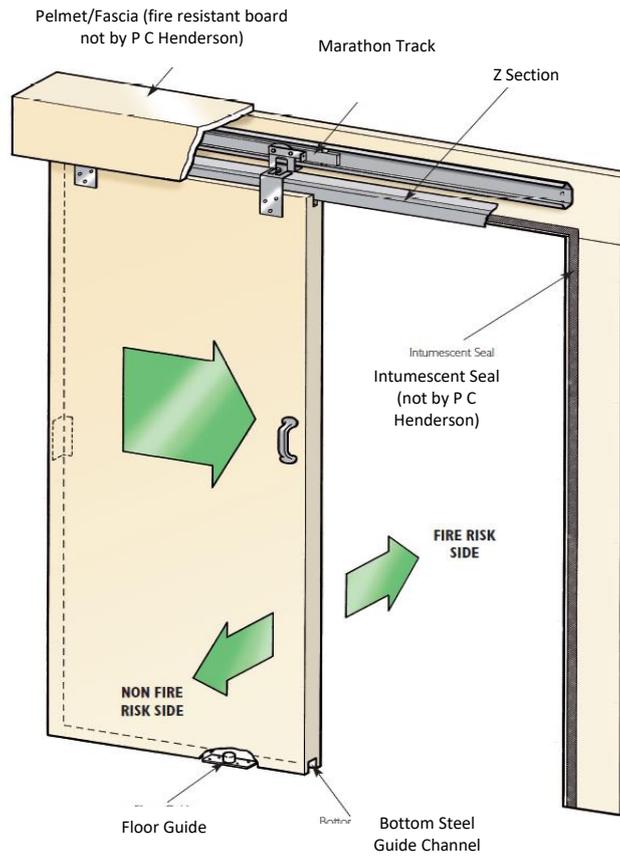
Pliers

INSTALLATION OVERVIEW

FDK1

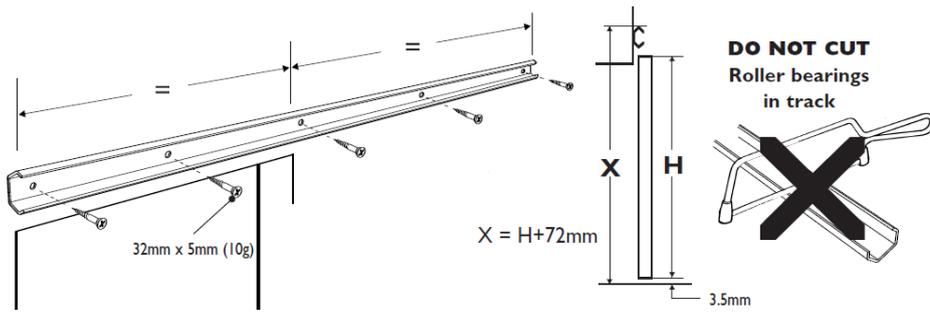


FDK2

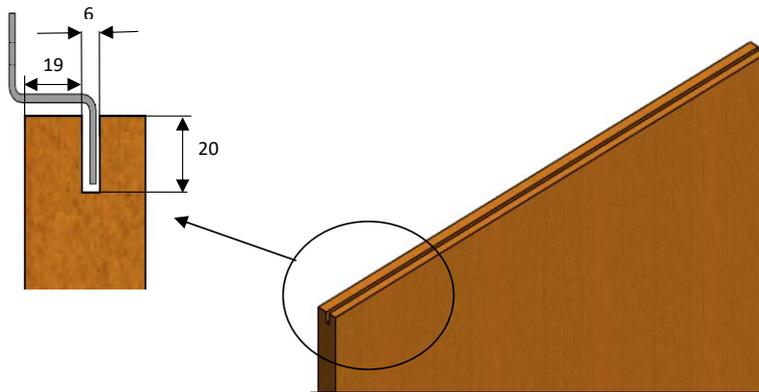


STEP BY STEP INSTRUCTIONS

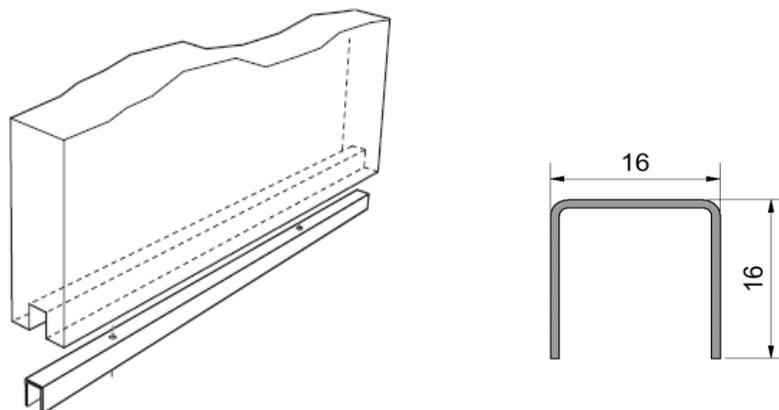
STEP 1: Fit track to the opening using screws provided in Marathon 90 kit.



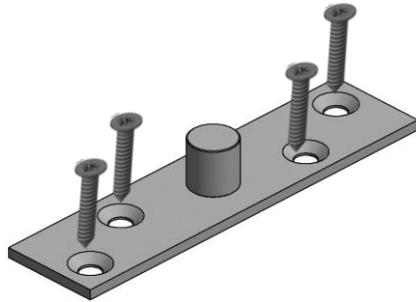
STEP 2: Route channel for Z section in top of door.



STEP 3: Route guide channel in bottom of door

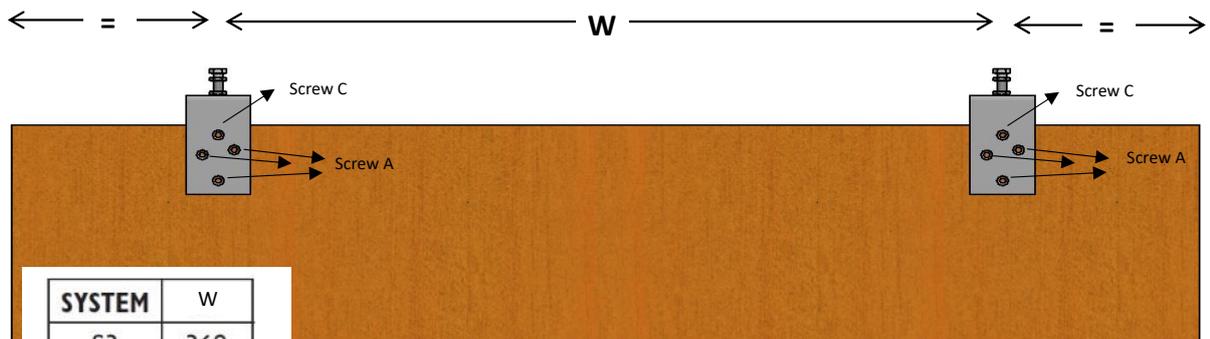


STEP 4: Fix guide to floor using screw A



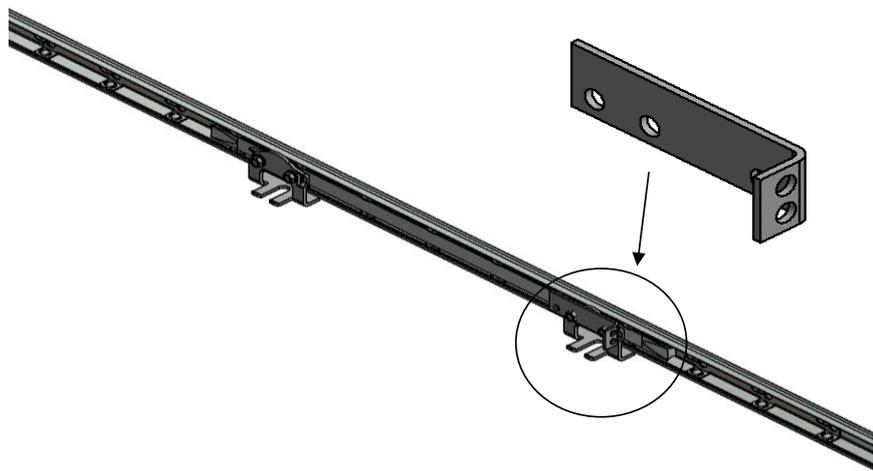
Note: Please see typical assembly booklet for positioning details.

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

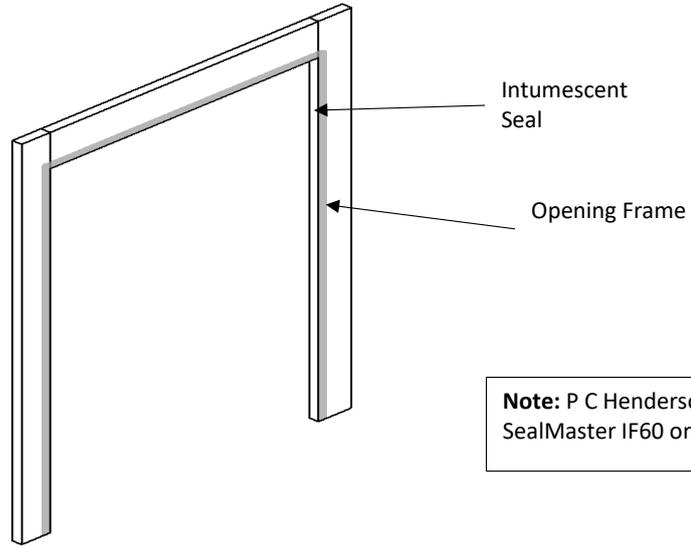


SYSTEM	W
S3	368
S4	445
S5	546
S6	724

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

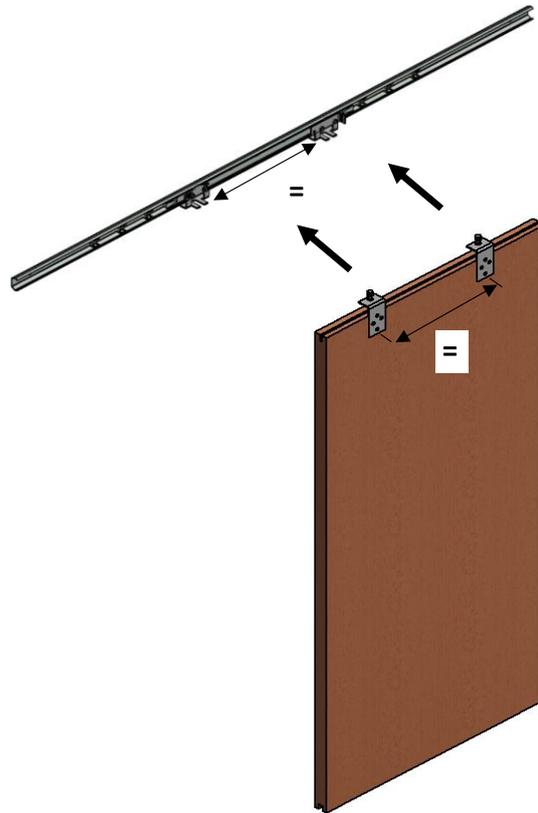


STEP 7: Fit intumescent seals - not supplied by P C Henderson.

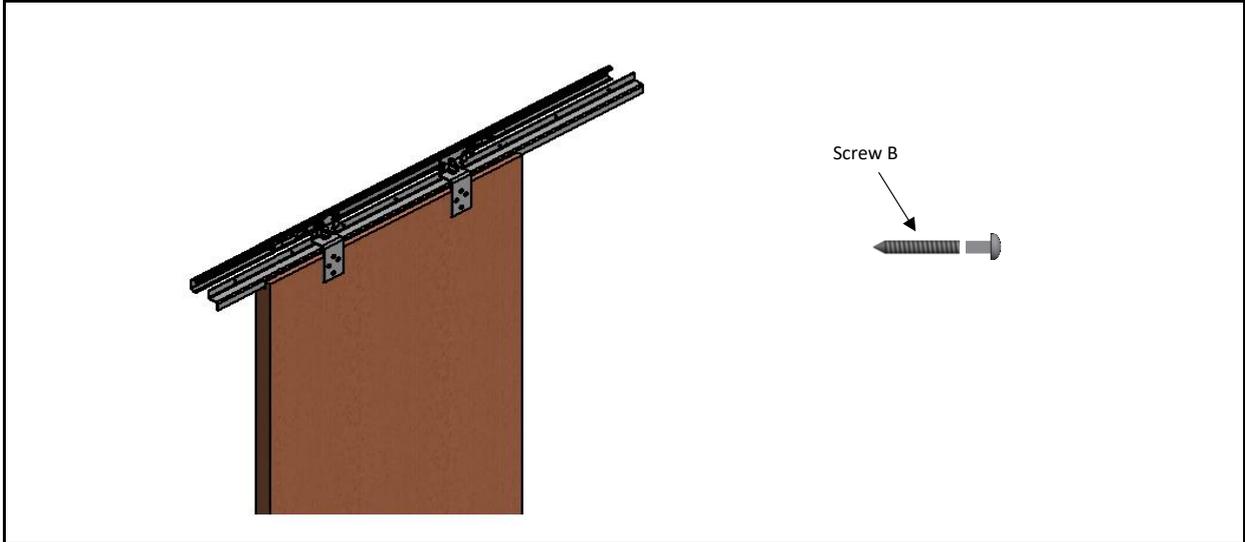


Note: P C Henderson recommends SealMaster IF60 or equivalent.

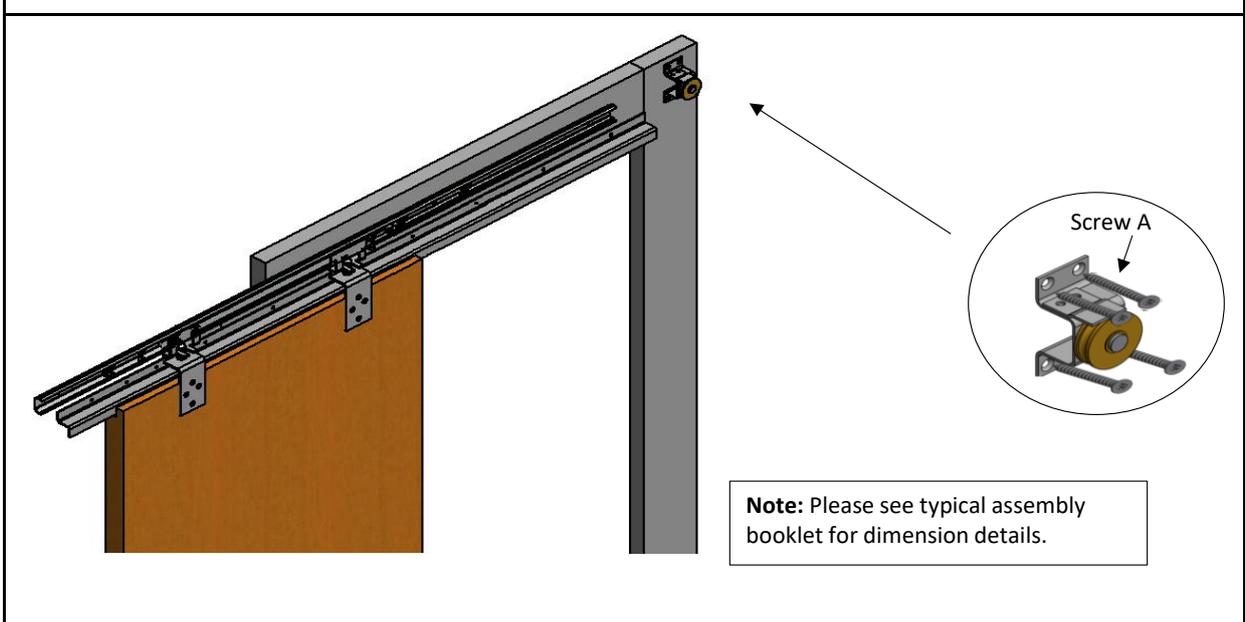
STEP 8: Hang the door.



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

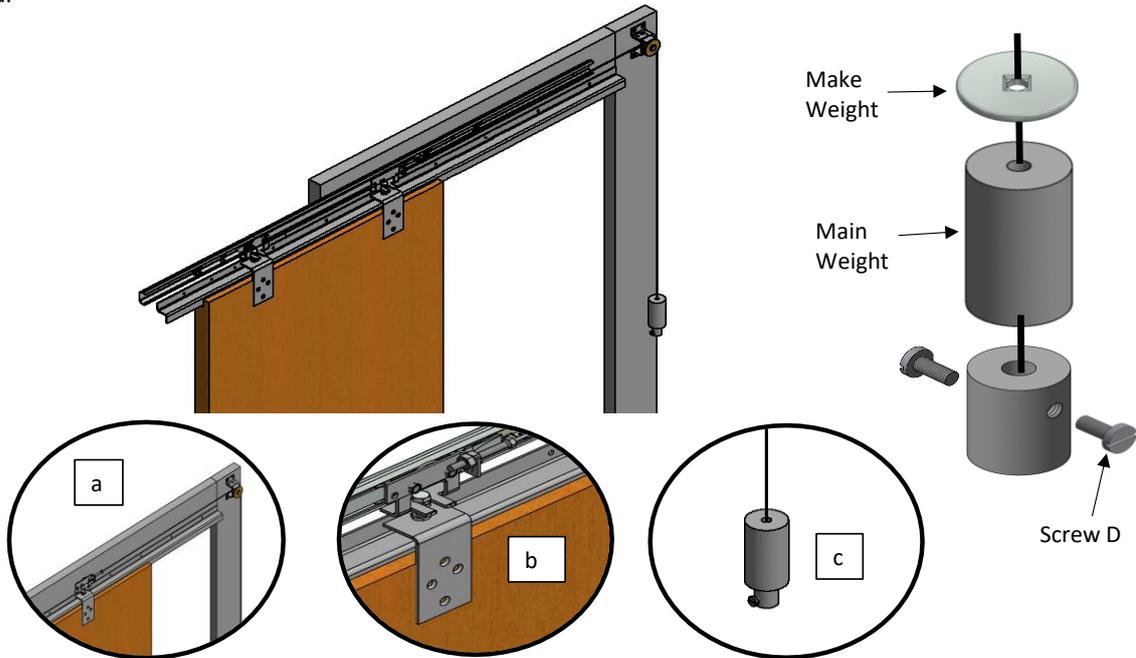


STEP 10: For FDK2 installations, please skip to step 13. For FDK1 kits, affix pulley assembly to opening side of door using screw A.



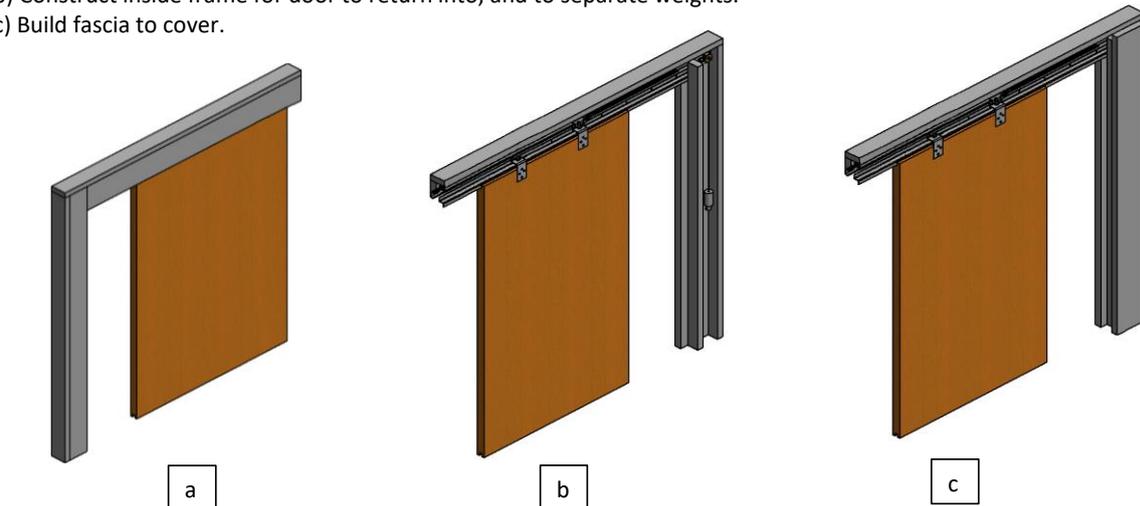
STEP 11: Attach cable and weights.

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

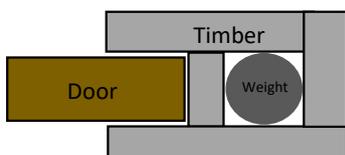


STEP 12: Build timber to cover weights and cable (timber not Supplied by P C Henderson).

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



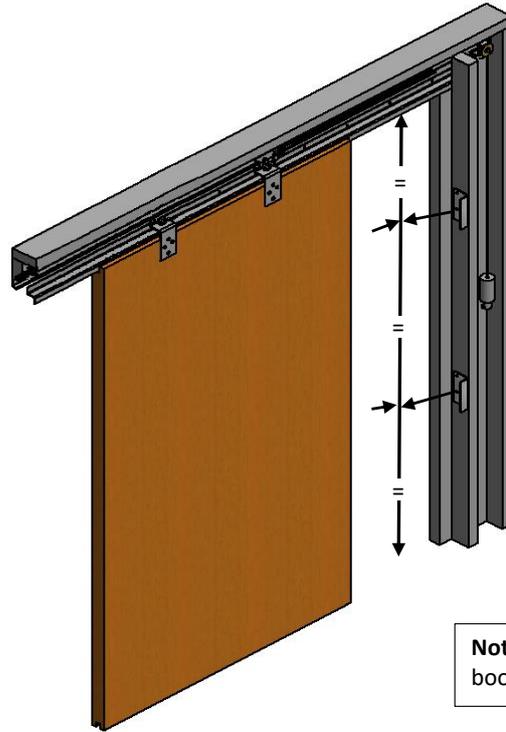
Overview



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

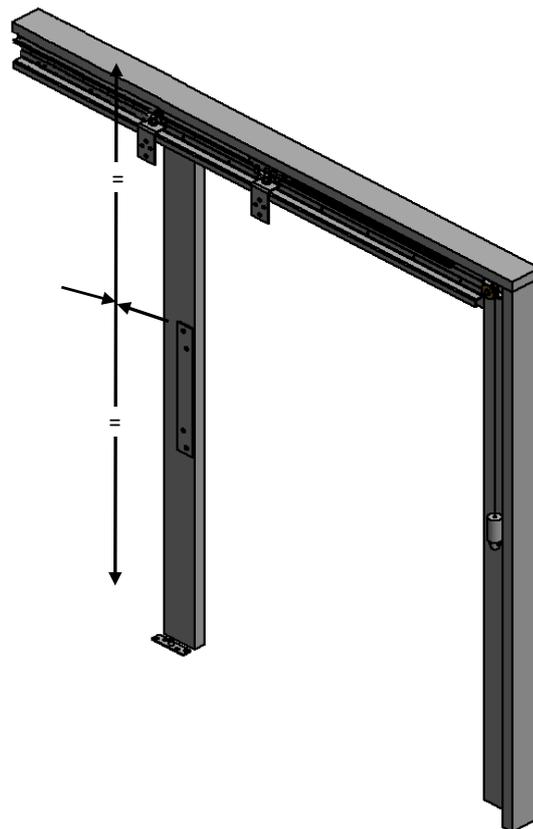
(For demonstrative purposes only - Fire Resistant board should be used - not supplied by P C Henderson. Timber work should be evaluated on an individual basis).

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

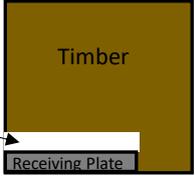


Note: Please see typical assembly booklet for dimension details

STEP 14: Affix binder receiving plate using screw A .



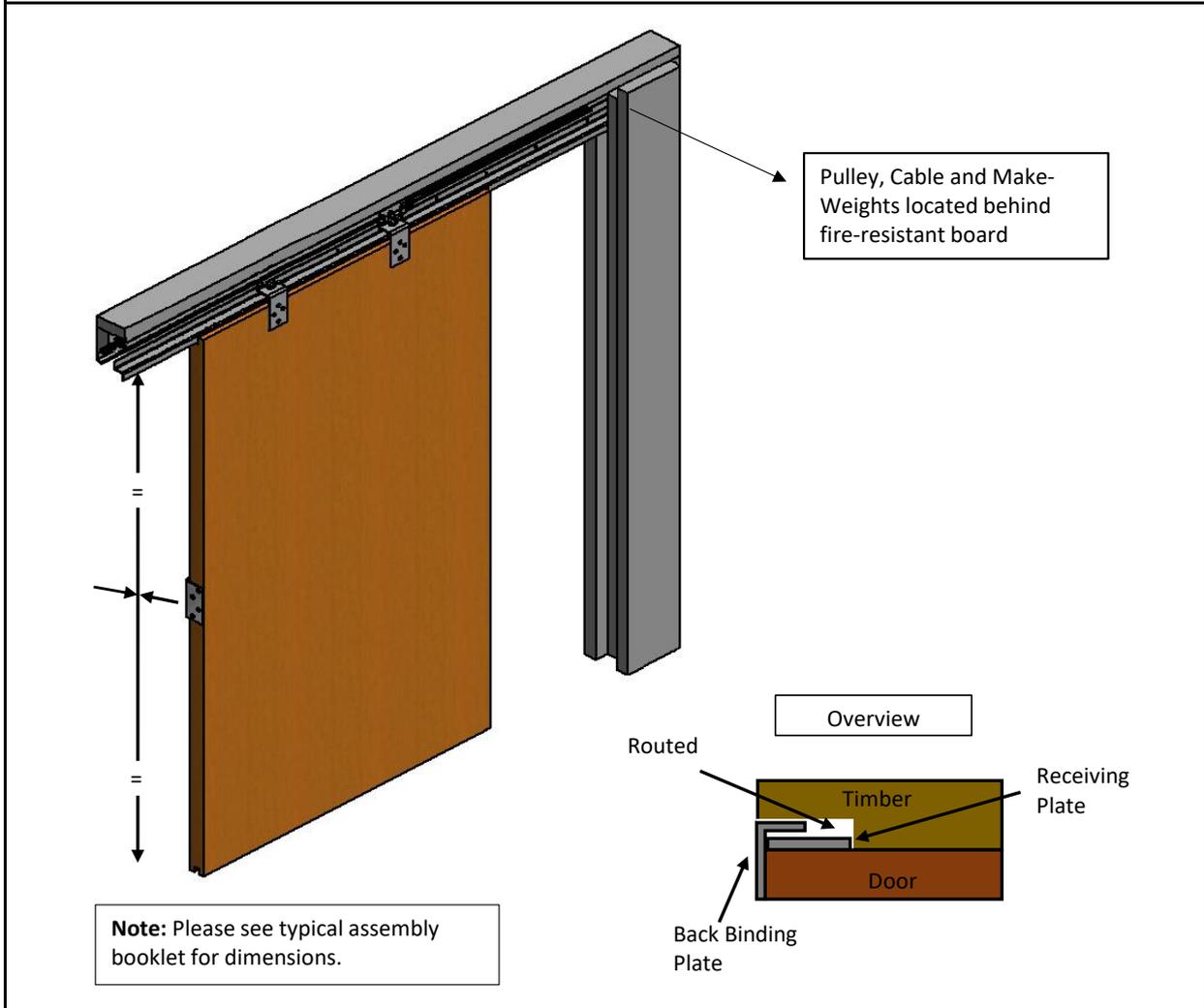
Overview



Routed Cavity

Note: Please see typical assembly booklet for dimension details.

STEP 15: Affix back door binder using screw A.



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