

ASSEMBLY and INSTALLATION INSTRUCTIONS



TUNNEL DOORS

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GENERAL INFORMATION

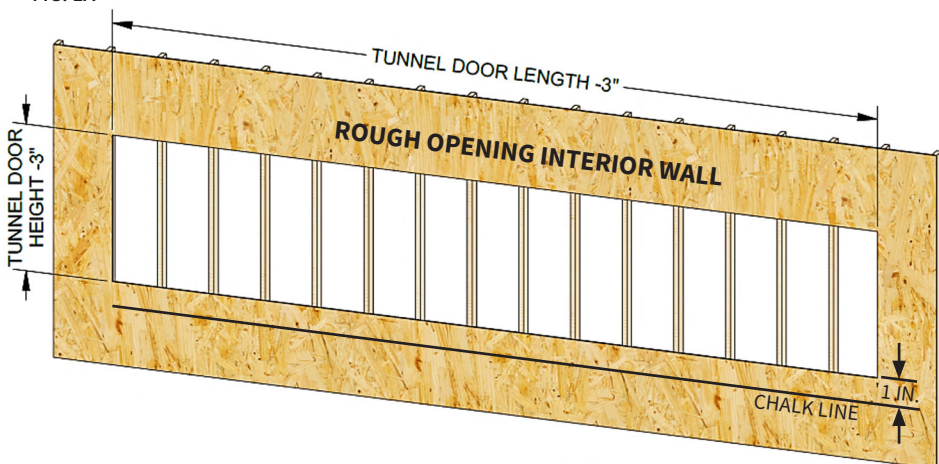
In order to assure proper performance and smooth functioning of the system the installer must understand the importance of quality construction and use of straight quality materials. Attention to details relating to sealing or prevention of air leaks is a must. This manual will provide a comprehensive planning, installation, safety, operation, and parts listing information. Using this equipment for any other purpose or in a way not within the operating recommendations specified in this manual will void the warranty and may cause personal injury.

Items provided by L.B. White Company include but not limited to: door panels with hinges, door rope connections, gaskets, tec screws, installation manual. Items not provided: winch, pulley clips, pulley, eye hooks, lag screws, regular nuts and bolts, hand winch, nails, "U" bolts, lumber, cable, cable clamps, 1/8" dia. rope, sealing caulk, and springs.

FRAMING:

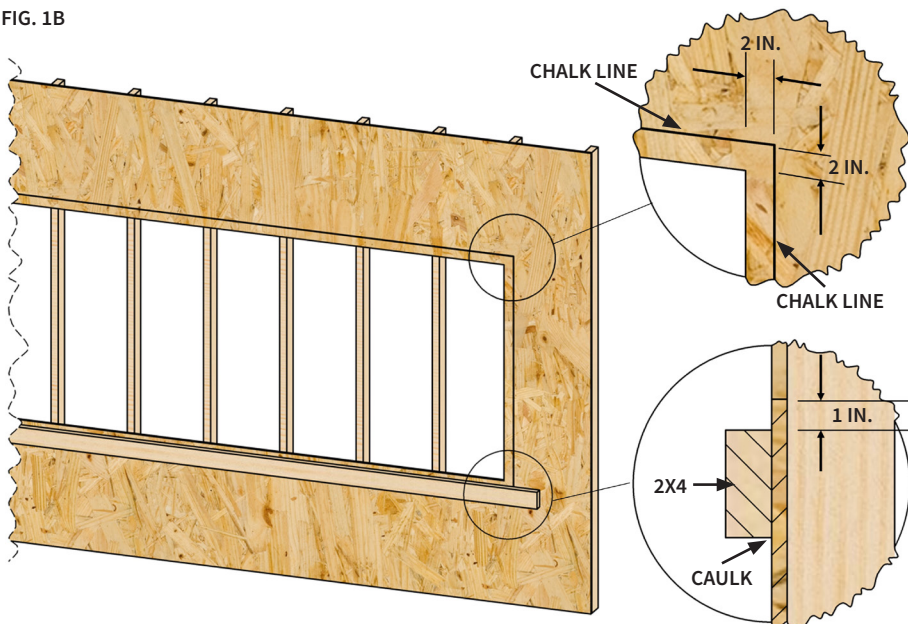
The tunnel door opening (framing) should be flat and straight in the vertical and horizontal planes. The length and height of the rough opening should be 3" less than the tunnel door dimensions. Use of tight string or chalk line is recommended. The framed opening should be level to a tolerance of $\pm 1/4"$ from end to end. The use of an optical level will be necessary. Any minor out of level with the first door section will rapidly become a major problem as following door panels are installed. Mark a 1 in. chalk line below the rough opening, see FIG. 1A.

FIG. 1A



Attached a 2X4 board below the 1 in. chalk line. Mark a 2 in. chalk line around the remaining rough opening for the top and side gaskets, see FIG. 1B.

FIG. 1B



GASKET INSTALLATION:

Before installing the gaskets, the gaskets should be rolled out and stretched to remove crimps, twists or other deformations and possible damage. After inspecting and deformations have been dealt with, the "P" gasket needs to be separated. As shown below. Attach the "P" gasket to the 2X4 frame, see FIG. 2, Detail A. Mark a 2 in. chalkline around the rough opening. Using the chalkline, start attaching the side/top large gasket at a bottom corner and work your way around the framed opening. See Fig. 2 for details.

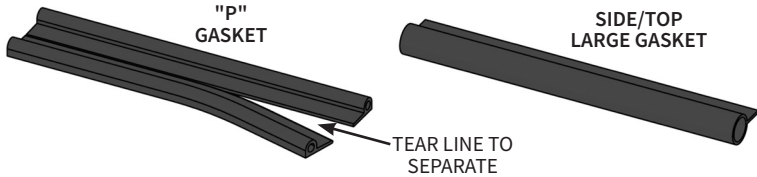
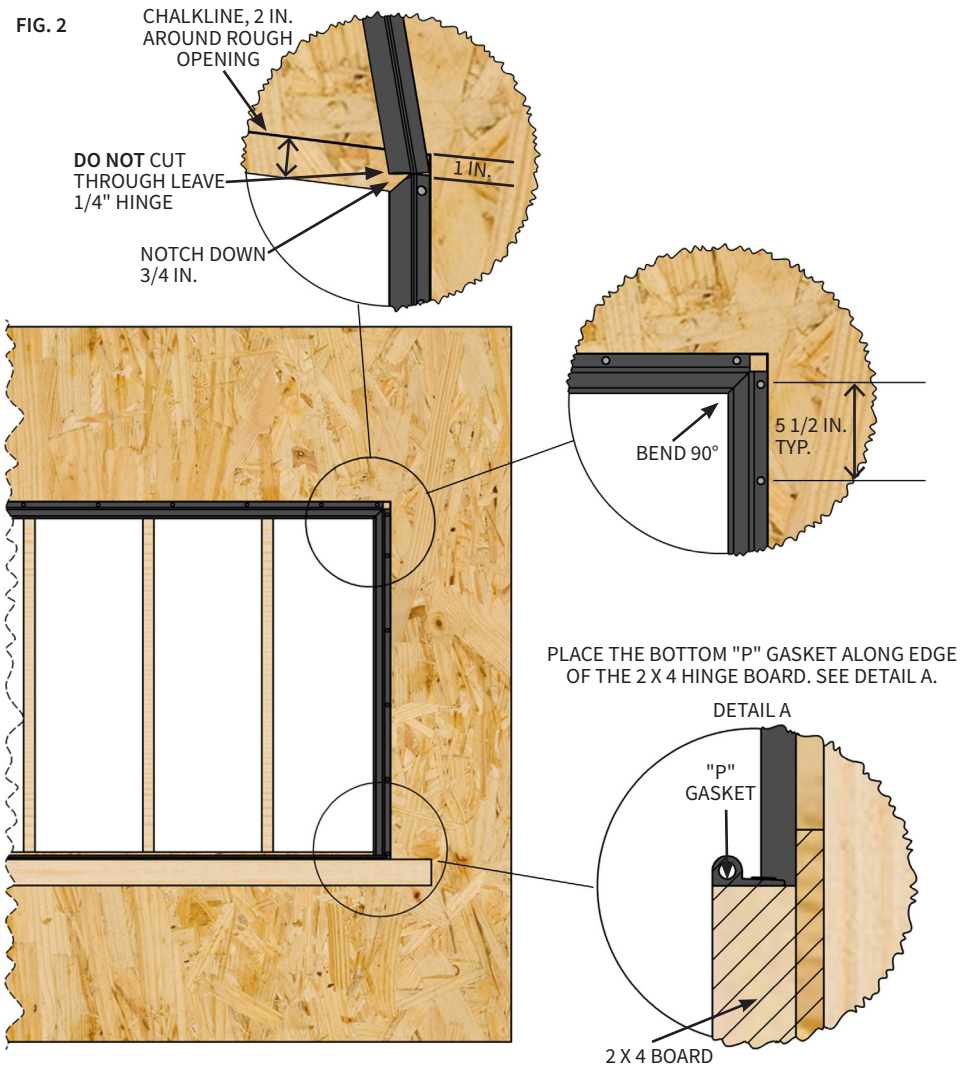
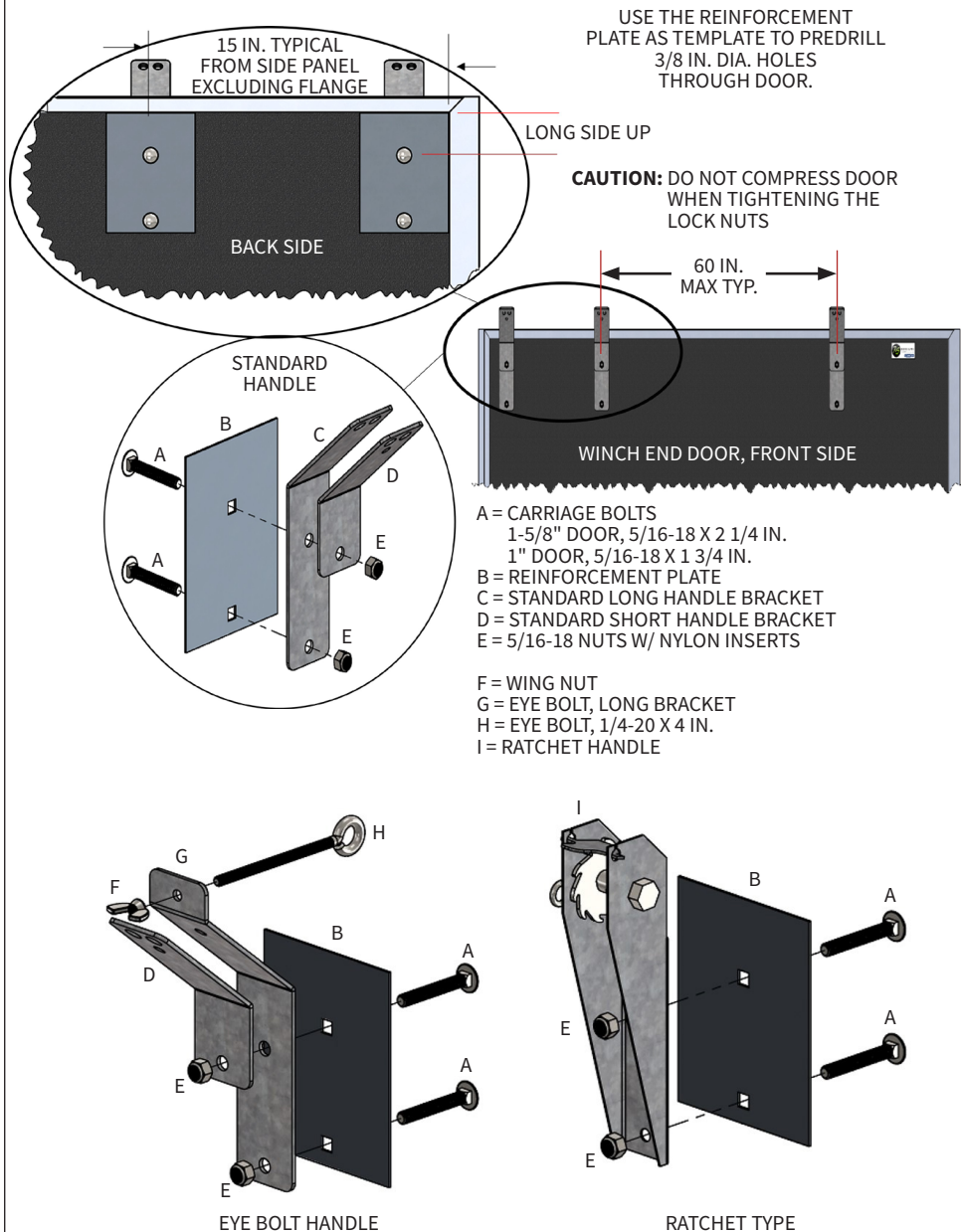


FIG. 2

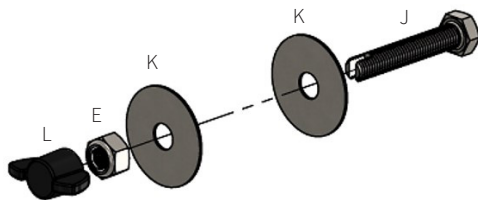


DOOR & HANDLE ASSEMBLY:

Regardless of the type of door handle being used, each door panel must have a minimum of 2 rope handle attachments with the exception of the end doors. They are require to have 3 rope handle attachments. See the Standard handle installation illustration below for details.



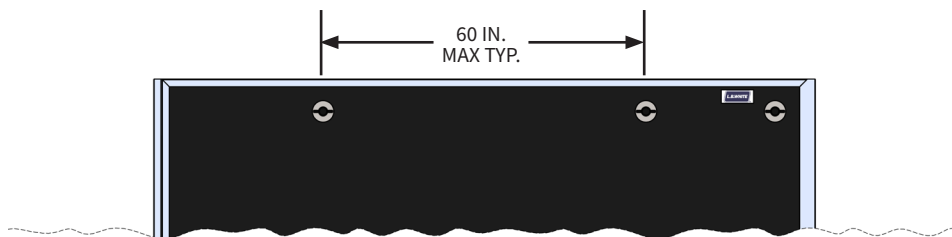
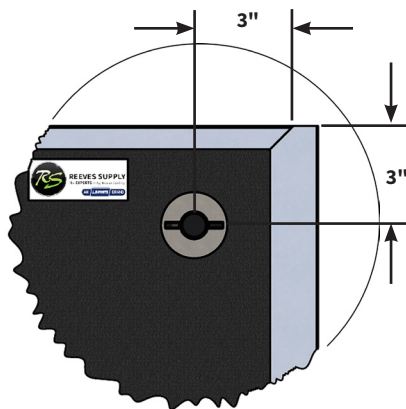
SPLIT BOLT



E = 5/16-18 NUTS W/ NYLON INSERTS
 J = SPLIT BOLT, M12-1.75 X 70mm
 K = FENDER WASHER, 1/2 IN. X 2
 L = WING NUT, PLASTIC

NOTE:

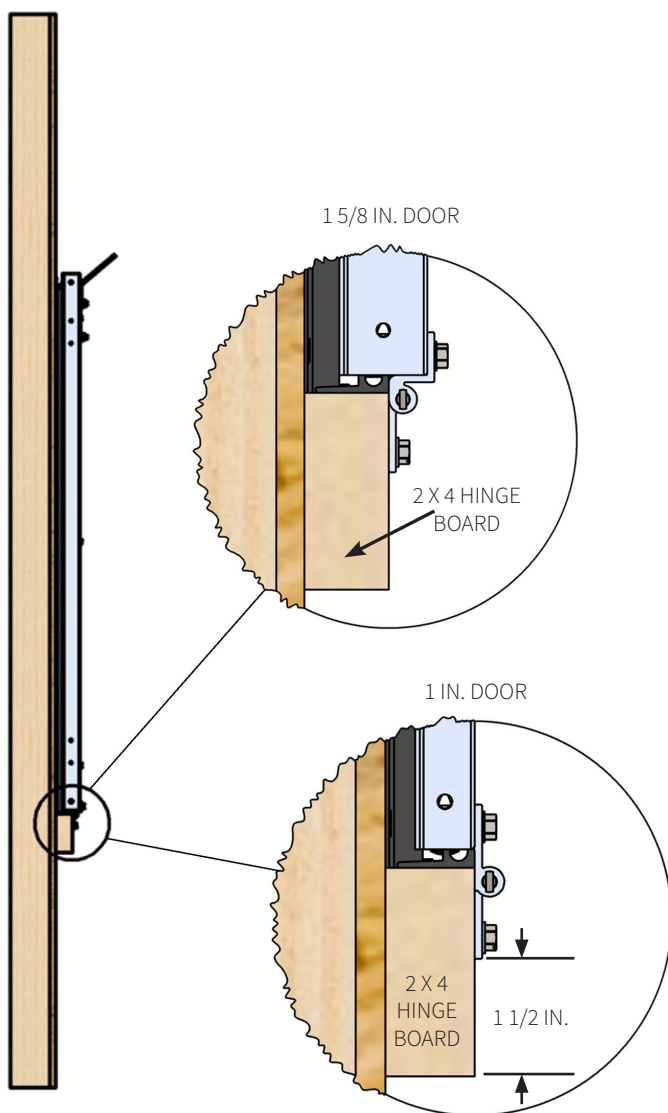
- WINDOW COVERS ONLY COME WITH SPLIT BOLT OPTION.
- FAN COVERS ONLY COME WITH EYE BOLTS .

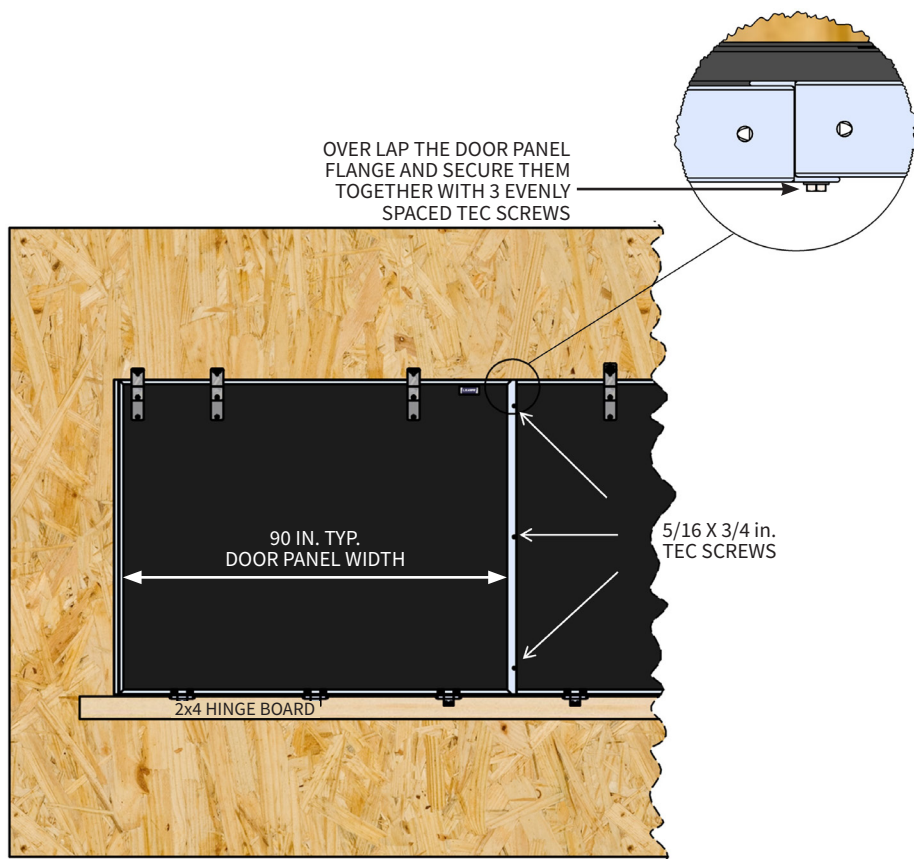


DOOR INSTALLATION:

First door panel to be placed with the side of the door (excluding 1 in. flange) being 1 1/2 in. past the opening.

- Set the door down on the "Large" gasket of the 2 x 4 hinge board. AVOID sliding the door.
*Note: the "P" gasket is only used on retrofit houses, but the "Large" gasket is used for all 1" and 1 5/8" doors on the bottom.
- Secure the door hinges to the 2 x 4 with #14 x 1 1/2 screws. See Fig. 3.
- Verify the first door panel section is installed level before continuing with installing the rest of the door panels.

FIG. 3

**COMPLETION:**

Doors can be incorporated with house pulley system or can be operated manually. Optional accessory of a latch kit may be purchased separately. Installation of a latching mechanism to secure door during non-operation time.

WARRANTY

L.B. White Company, LLC warrants that its manufactured products are free from defects in material and workmanship, when properly installed, operated, and maintained in accordance with the Installation and Maintenance Instructions, safety guides and labels contained with each unit. If, within 12 months from the date of purchase by the end user, any component is found to be defective, L.B. White Company, LLC will at its option, repair or replace the defective part, with a new part, F.O.B., Onalaska, Wisconsin or Franklin, Georgia. A copy of the bill of sale will be required to establish warranty qualification. If not available, the warranty period will be 12 months from date of shipment from L.B. White.

The warranty set forth above is the exclusive warranty provided by L.B. White, and all other warranties, including any implied warranties or merchantability or fitness for a particular purpose, are expressly disclaimed. In the event any implied warranty is not hereby effectively disclaimed due to operation of law, such implied warranty is limited in duration to the duration of the applicable warranty stated above. The remedies set forth above are the sole and exclusive remedies available hereunder. L.B. White will not be liable for any incidental or consequential damages directly or indirectly related to the sale, handling or use of the equipment, and in any event L.B. White's liability in connection with the equipment, including for claims based on negligence or strict liability, is limited to the purchase price.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Cancer and reproductive harm. See
www.P65Warnings.ca.gov.

Contact your local L.B. White dealer for further technical support and service.
You may also call L.B. White at 800-345-7200 or email us at customerservice@lbwhite.com.