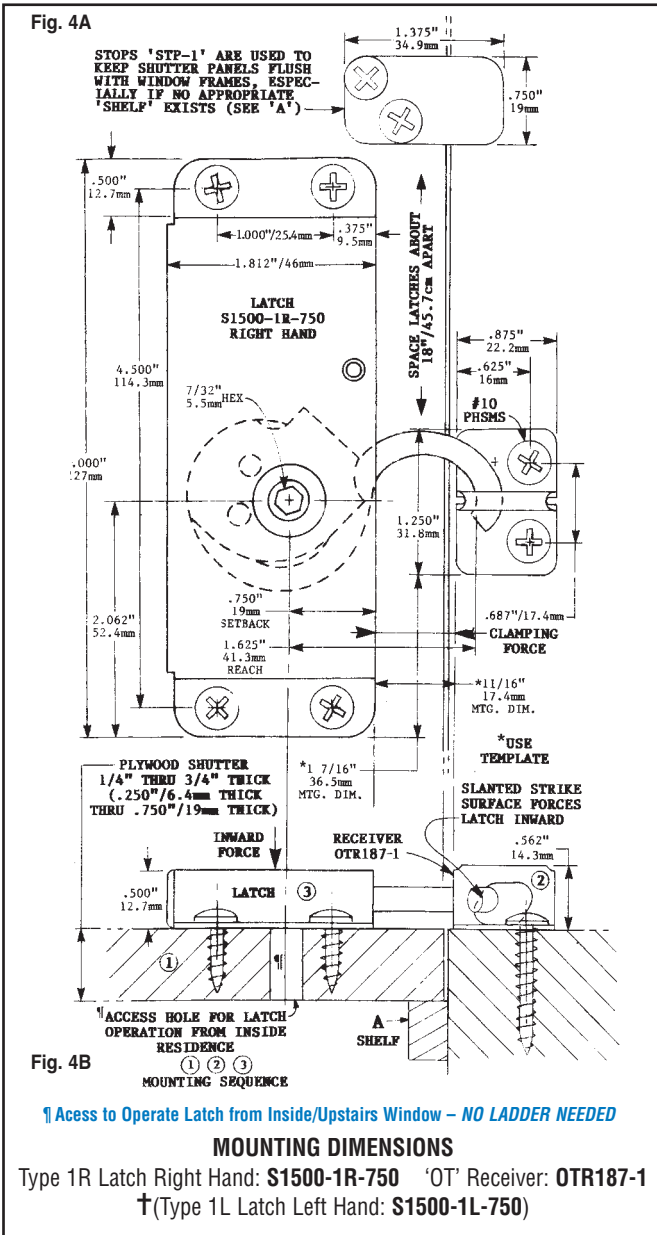


FOR FLUSH MOUNTING IN CEMENT FRAMING SEE TDS 207-2B1

SIMPLE ENOUGH TO INSTALL YOURSELF • ECONOMICAL ENOUGH TO HIRE IT DONE
THIS LATCH AND RECEIVER COMBINATION IS PARTICULARLY SUITABLE FOR QUICKLY AND EASILY ATTACHING HURRICANE SHUTTERS INSIDE WINDOW AND DOOR FRAMES. THE UNIQUE DESIGN IMPARTS A STRONG INWARD FORCE ON THE LATCH BY THE RECEIVER'S SLANTED STRIKE, FIRMLY PRESSING THE LATCH AND PANEL INWARD AGAINST THE WINDOW FRAME OR AGAINST THE STOPS.



ADVANTAGES:

1. Quick, very easy hanging and latching at storm time (15 secs)
2. Shutters can be hung and latched from inside the window at storm time – great for upper floor installation – no ladder needed
3. Strong inward clamping force on shutters withstands storms
4. No power tools needed to hang and latch
5. Easy and simple hardware attachment
6. No loose parts to store/find, no drilling or screwing at storm time, no unsightly screw holes in your window frames
7. Designed to accept shutter panel thicknesses from 1/4" to 3/4" (.250"/6.4mm to .750"/19mm) **MIN. RECOMMENDED: 5/8"/16MM**
8. OTR187-1 Receivers are easily removed between storms if desired
9. Panel handling grippers are available – makes handling panels easy
10. Backed by over 40 years of fastener experience for military, industrial, aerospace and consumer applications
11. Economically priced – compare! – and proudly made in the USA!

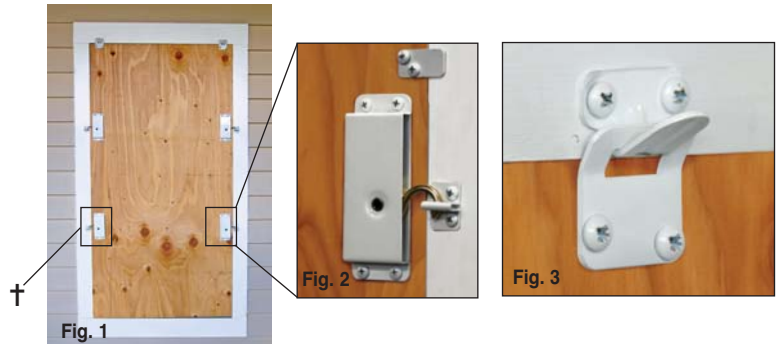


Fig. 1 A HURRICANE SHUTTER (A SHEET OF PLYWOOD) IS FLUSH MOUNTED WITH LEFT- AND RIGHT-HAND NORSE LATCHES AND OTR187-1 RECEIVERS
Fig. 2 THE TYPE 1R LATCH CLAMPS THE PLYWOOD FIRMLY INTO THE WINDOW FRAME. TYPE 1L (LEFT HAND, NOT SHOWN) LATCH DOES THE SAME. STOPS (FIG. 4A) ASSURE PANEL IS POSITIONED FLUSH IF NO SHELF (FIG. 4B) EXISTS.
Fig. 3 HOOKS AND HANGERS ACCOMMODATE PANELS 1/4" AND FIRMLY HOLD THE PANEL WHILE IT IS BEING INSTALLED, MAKING INSTALLATION VERY EASY. THE ANGLED HOOK/HANGER ENGAGEMENT ALSO FORCES THE PANEL INWARD AGAINST THE WINDOW FRAME. SEE TDSs 209-2A1 AND 209-2B1.

PROCEDURE FOR FLUSH MOUNTING HURRICANE SHUTTERS: SEE TDSs 207-1A1 AND 207-1B1 FOR SURFACE MOUNTING A HURRICANE SHUTTER ON THE FACE OF A WINDOW FRAME

Refers to the initial construction and installation of panels. Subsequent hanging and latching is quick and easy, about 15 seconds per window!

1. Cut panel (usually a sheet of plywood, preferably 3/4"/19mm thick) to fit within the window or door opening.
2. Evenly space two hooks (HK/S2) on the window or door frame face about 1/16"/1.6mm above top of opening (see TDSs 209-2A1 and -2B1). Mark and pilot drill in frame face. Screw hooks into place.
3. Set the panel inside the frame. Wedge it upward against the top of opening. Set hangers (HNG/S2) on hooks. Mark and pilot drill in panel. Screw hangers in place.
4. Where a support shelf ('A' in Fig. 4B) does not exist in the window frame an appropriate support strip can be added, or stops (STP-1) can be attached to the panel edge (Fig. 4A). **THE PANEL IS NOW SUPPORTED, ALLOWING YOU TO MOUNT THE NORSE HURRICANE LATCHES WITH EASE.**
5. Place a receiver (OTR187-1) on the window frame face. On wood framing it does not need to be right at the edge of opening. Mark, pilot drill and screw receiver in place. Use the template to position the holes. Repeat for all your receivers, spaced evenly on either side of the panel.
6. Place a latch on the panel 11/16"/17mm from the edge of a receiver (Fig. 4). Mark, pilot drill and screw the latch in place. Use the template to position holes. Repeat for all latches.
7. Press inward on the panel, insert the hex key in the latches and turn it to secure the panel. **DRILL A KEY ACCESS HOLE TO OPERATE THE LATCHES FROM INSIDE.**

