HURRICANE SHUTTER PANELS–FLUSH MOUNTING
TYPE 1 LATCHES AND OTR187 RECEIVERS IN CEMENT FRAMING

FOR FLUSH MOUNTING IN WOOD FRAMING SEE TDS 207-2A1

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.

Fig. 4A

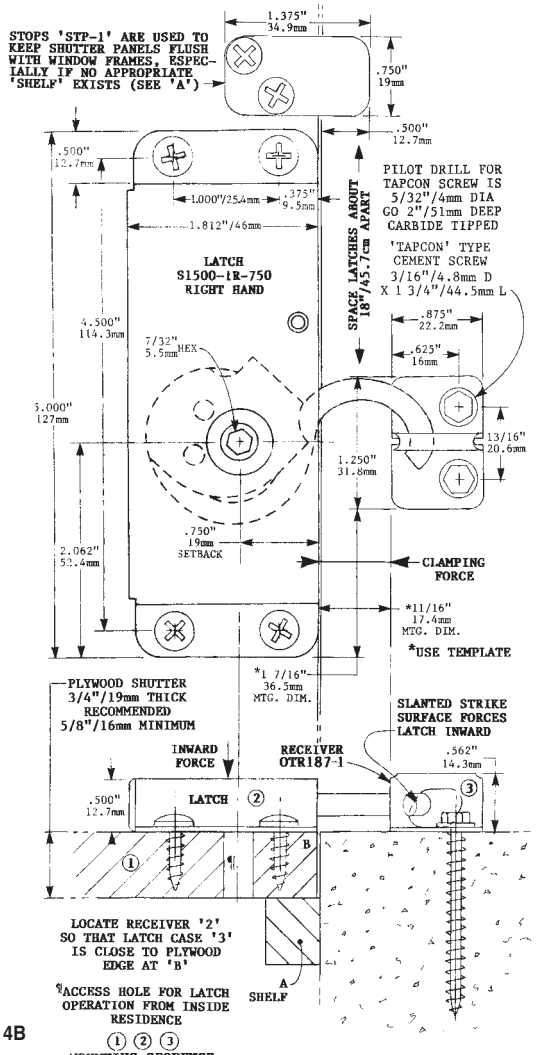

Fig. 4B

¶ Acess to Operate Latch from Inside/Upstairs Window – *NO LADDER NEEDED*

MOUNTING DIMENSIONS

Type 1R Latch Right Hand: **S1500-1R-750** 'OT' Receiver: **OTR187-1**
†(Type 1L Latch Left Hand: **S1500-1L-750**)

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!

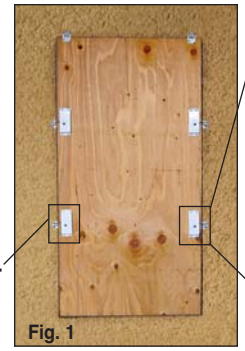

Fig. 1

Fig. 2

Fig. 3

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" TO 3/4" 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.

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

PROCEDURE FOR FLUSH MOUNTING HURRICANE SHUTTERS:

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. Place the hooks (HK/S2) onto the frame face with the hook screw holes 1-5/16"/33.3mm above opening (see TDSs 209-2B1). Mark, pilot drill holes and screw hooks onto the frame.
3. Set the panel inside the frame. Wedge it upward against the top of opening. Set hangers (HNG/S2) onto hooks. Mark and pilot drill in panel. Screw hangers in place.
4. Where a support shelf ('A' in Fig. 4A) 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 the latches on the very edge of the plywood. Mark, pilot drill holes and screw the latch in place. The template can be used to locate the holes. Repeat at all latch locations.
6. Place the receivers (OTR187-1) onto the frame face 11/16"/17mm from the edge of the latches. Mark, pilot drill holes and screw the receivers in place. Again, the template can be used to locate holes.
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.**