



**Country Craft
BUILDINGS.**



MB 910 ENTRY DOOR

INSTALLATION INSTRUCTIONS

Allen N. Reeves
20 JAN. 2021



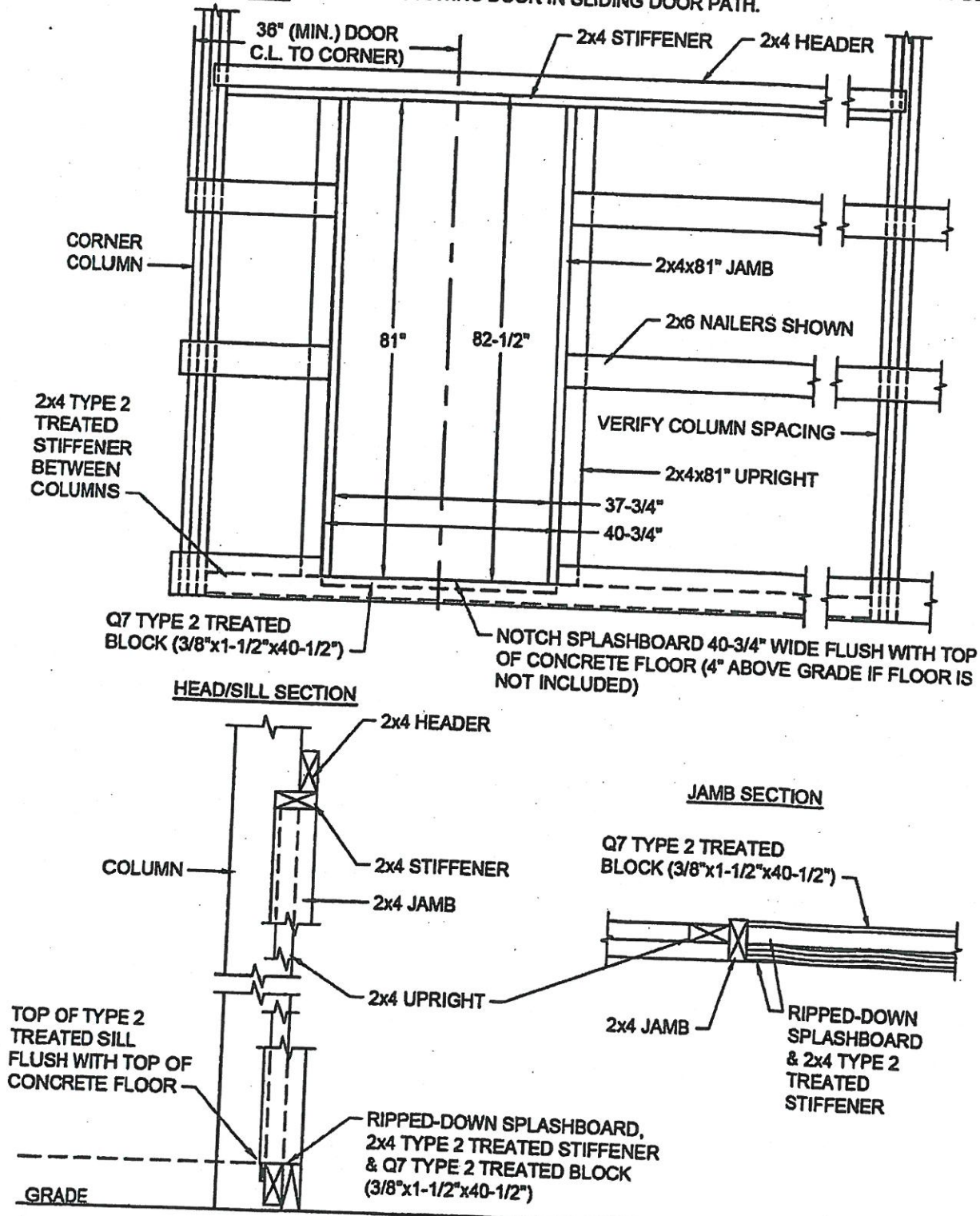
Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354



MB 910 ENTRY DOOR (STEEL SIDING)

(FOR 7'6" O.C. & 10'0" O.C. BUILDINGS)

STEP 1: FRAME OPENING. LOCATE CENTER OF A 3' DOOR TO LINE UP WITH A HI-RIB. FRAMING MUST BE PLUMB OR LEVEL. DO NOT LOCATED OUTSWING DOOR IN SLIDING DOOR PATH.





MB 910 ENTRY DOOR (STEEL SIDING)

STEP 2: CUT STEEL FOR OPENING. AT HEADER, CUT STEEL 1" ABOVE BOTTOM OF 2x4 FLAT HEADER & ANGLE-CUT RIBS 1/4" TO ALLOW FOR DRAINAGE. AT JAMBS, LEAVE 1/4" OF STEEL TO INSIDE OF OPENING; BEND THIS STEEL AROUND JAMBS TO EASE FRAME INSTALLATION.

STEP 3: CUT A PIECE OF T#11 TO 41" (DO NOT INSTALL AT THIS TIME).

STEP 4: PLACE ALUMINUM SILL OVER TREATED SILL. TURN ALLEN SCREWS BACK FLUSH AGAINST JAMB FRAMES. PLACE JAMB FRAMES OVER 2x4 JAMBS & SLIDE SILL TABS INTO SLOTS AT BOTTOM OF FRAMES.
NOTE: FRAMES ARE NOT HANDED -- HANDING CAN BE CHANGED ON-SITE.

STEP 5: SLIDE T#11 UP INTO PLACE. PLACE HEAD FRAME OVER 2x4 STIFFENER & SLIDE TABS INTO JAMB FRAMES. **NOTE:** DUE TO INSULATION DRAFT STOP IN FRAMES, IT WILL HELP ASSEMBLY PROCESS IF A 2x4x37" BLOCK IS WEDGED BETWEEN JAMB FRAMES TO HOLD THEM APART UNTIL HEAD FRAME IS IN POSITION.

STEP 6: ADJUST ALLEN SCREWS TO PLUMB JAMB FRAMES. KEEP FRAME CENTERED IN ROUGH OPENING. FASTEN SILL TO FRAMING WITH (4) #8x1-1/4" S.S. F.H. SCREWS (IN FRAME PACK). IF DOOR IS OUTSWING, INSTALL SILL INSERT PRIOR TO FASTENING (SEE A FOLLOWING PAGE). SLIDE T#11 DOWN TIGHT TO HEAD FRAME & FASTEN PER STANDARD PROCEDURE. CAULK NOTCHES IN STEEL AT EACH END OF T#11.

STEP 7: CAREFULLY CAULK ALONG JOINT AT SILL TO JAMB CONNECTION.

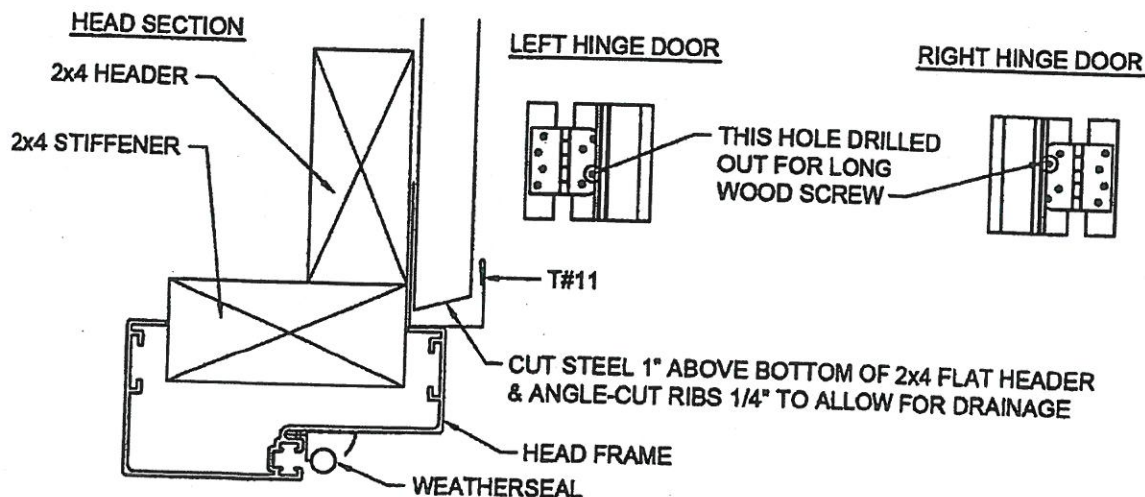
STEP 8: INSTALL WEATHERSEAL INTO JAMB FRAMES. START AT SILL END OF EACH JAMB FRAME & WORK UP TO TOP. MAKE SURE WEATHERSEAL MAKES CONTACT WITH SILL. INSTALL WEATHERSEAL INTO HEAD FRAME -- KEEP IT CENTERED BETWEEN JAMB FRAMES (TRIMMING JAMB WEATHERSTRIPPING WILL BE REQUIRED WITH SILL INSERT ON OUTSWING DOORS). INSERT SWEEP BEFORE HANGING DOOR. FASTEN WITH (1) #8x3/4" PPA STL/ZN/CCD SCREW INCLUDED IN FRAME PACK.

STEP 9: HANG DOOR PANEL WITH (9) #12-24x3/4" F.H. SCREWS PACKAGED WITH FRAME SET. DO NOT FULLY TIGHTEN ANY HINGE SCREWS UNTIL ALL 9 HAVE BEEN STARTED. CHECK FIT & ADJUST ALLEN SCREWS IF REQUIRED. SEE STEP 10 & DETAILS BELOW FOR 3 REMAINING HOLES.

STEP 10: 1 HOLE AT EACH HINGE LOCATION ON HINGE JAMB FRAME HAS BEEN DRILLED OUT FOR #10x2-1/2" F.H. WOOD SCREWS (INSTALL 3 SCREWS -- DO NOT OVERTIGHTEN).

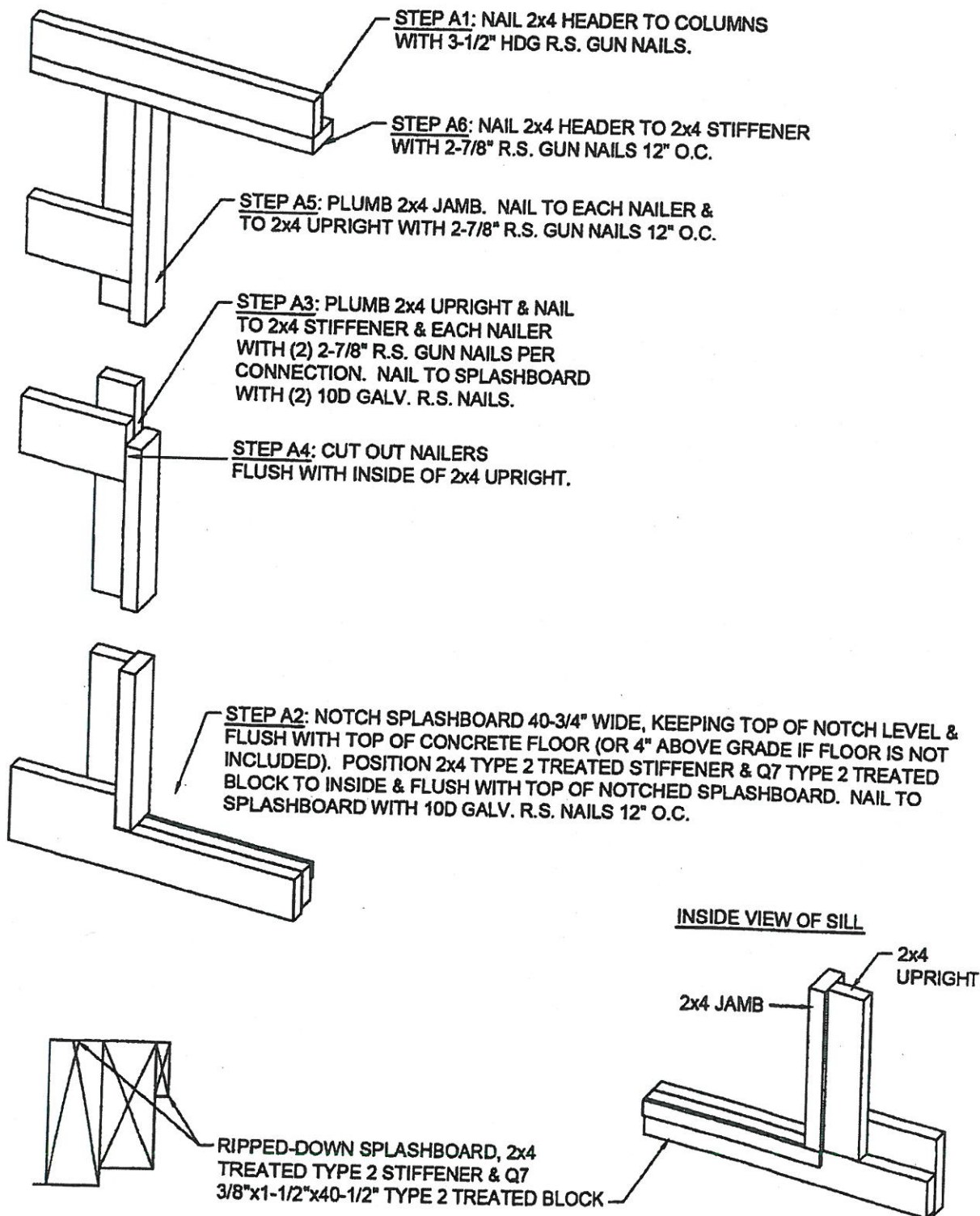
STEP 11: WITH ALL ADJUSTMENTS MADE TO INSURE PROPER OPERATION OF DOOR, SECURE JAMB FRAMES TO 2x4 FRAMING WITH (16) #9x2" S.S.I.D. SCREWS (REMOVE WASHERS) AT INSTALLATION HOLES IN FRAME.

STEP 12: INSERT PLASTIC CAPS IN (4) ALLEN SCREW HOLES.



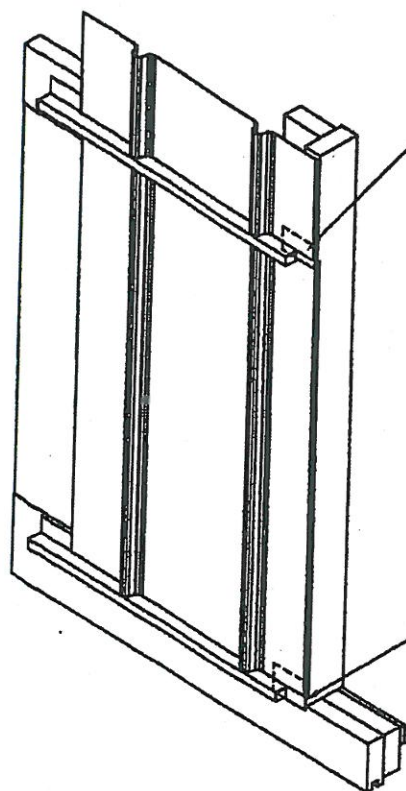
MB 910 ENTRY DOOR (STEEL SIDING)

NOTE: FRAMING MUST BE PLUMB OR LEVEL.



MB 910 STEEL ENTRY DOOR (STEEL SIDING)

(T#167 TRIM AT MB 910 ENTRY DOOR)

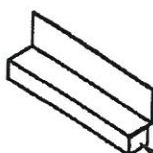
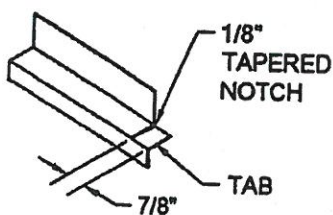


HOLD CAPPED END OF T#167 (SEE DETAILS BELOW) 1-3/8" BACK FROM EDGE OF 2x4 JAMB TO ALLOW FOR DOOR FRAME INSTALLATION*. TO PREVENT WATERFROM GETTING BEHIND WAINSCOT STEEL & TO COVER EXPOSED WOOD, SLIP A SMALL PIECE OF FLAT STEEL BEHIND T#167 & UPPER STEEL. LAP FLAT STEEL OVER WAINSCOT STEEL WITH BOTTOM POSITIONED FLUSH WITH CRIMPED EDGE OF T#167. MAKE FLAT STEEL SAME COLOR AS T#167 (MAY BE CUT FROM A PIECE OF T#167).

HOLD CAPPED END OF T#167 (SEE DETAILS BELOW) 1-3/8" BACK FROM EDGE OF 2x4 JAMB TO ALLOW FOR DOOR FRAME INSTALLATION*. TO COVER EXPOSED NON-TREATED WOOD, SLIP A SMALL PIECE OF FLAT STEEL BEHIND T#167 & WAINSCOT STEEL. LAP FLAT STEEL OVER TREATED WOOD. MAKE FLAT STEEL SAME COLOR AS T#167 (MAY BE CUT FROM A PIECE OF T#167).

*NOTE: WITH DOOR CENTERED IN OPENING, THERE WILL BE APPROX. A 7/16" GAP BETWEEN T#167 & DOOR FRAME TO ALLOW FOR DOOR FRAME INSTALLATION.

T#167 CUTTING & BENDING DETAILS

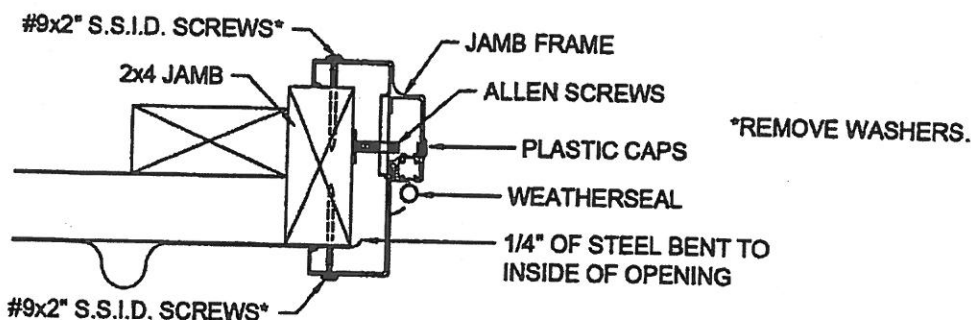


FOLD TAB UNDER HORIZONTAL LEG TO CAP END OF T#167 AT 910 FRAME



MB 910 ENTRY DOOR (STEEL SIDING)

JAMB SECTION



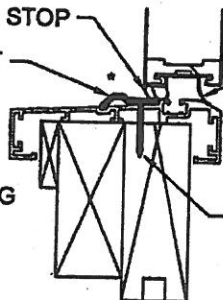
MB 910 ENTRY DOOR (SWEEP POSITION)

STEP 1: FASTEN ALUMINUM SILL WITH (4) #8x1-1/4" S.S. F.H. SCREWS (T-20 TORX DRIVE) IN PRE-PUNCHED HOLES (CAULK HOLES 1ST). AN OUTSWING DOOR REQUIRES A SILL INSERT AS SHOWN BELOW – TRIM WEATHER STRIPPING FOR INSERT. IF BUILDING IS ON CONCRETE, USE CONCRETE INSERTS FOR SCREWS.

OUTSWING DOOR SILL

SHORT LEG OF SWEEP ALWAYS TO SAME SIDE OF DOOR THAT CLOSES AGAINST JAMB STOP

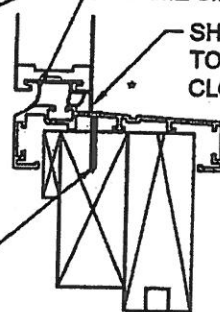
OUTSWING SILL INSERT



INSWING DOOR SILL

LONG LEG OF SWEEP ALWAYS TO SAME SIDE OF DOOR AS HINGE PINS

SHORT LEG OF SWEEP ALWAYS TO SAME SIDE OF DOOR THAT CLOSES AGAINST JAMB STOP



*BULB SIDE OF SWEEP ALWAYS TO SAME SIDE OF DOOR THAT CLOSES AGAINST JAMB STOP

STEP 2: APPLY A SMALL AMOUNT OF CAULKING AT EACH END OF SWEEP.

MB 910 ENTRY DOOR (FRAME PACKAGING)

MB 910 JAMB SET:

- (1) HINGE JAMB WITH HINGES ATTACHED.
- (1) LATCH JAMB WITH DEADBOLT MORTISE CAPS INSTALLED.
- (2) PIECES OF JAMB WEATHERSTRIPPING.
- (1) FRAME PACK – TO INCLUDE:
 - (3) #10x2-1/2" FLAT HEAD WOOD SCREWS (HINGE TO FRAME)
 - (12) #12x3/4" FLAT HEAD UNDERCUT SCREWS (HINGE TO DOOR SLAB)
 - (4) U-NUTS (STRIKE PLATE TO FRAME ATTACHMENT)
 - (1) LOCKSET MORTISE CAP
 - (4) JACK SCREW HOLE PLUGS
 - (4) #8x1-1/4" S.S.I.D. FLAT HEAD SCREWS (SILL TO FRAMING)
 - (1) LOCKSET STRIKE PLATE
- (2) LATCH SPACER USE BETWEEN LATCH PLATE OF LOCKSET DEADBOLT & DOOR EDGE
- (1) SMS #8x3/4" PPA STL/ZN/CCD SCREW (MB320 SWEEP NOT USED FOR MB910)
- (1) HEX KEY

MB 910 HEAD PACKAGING:

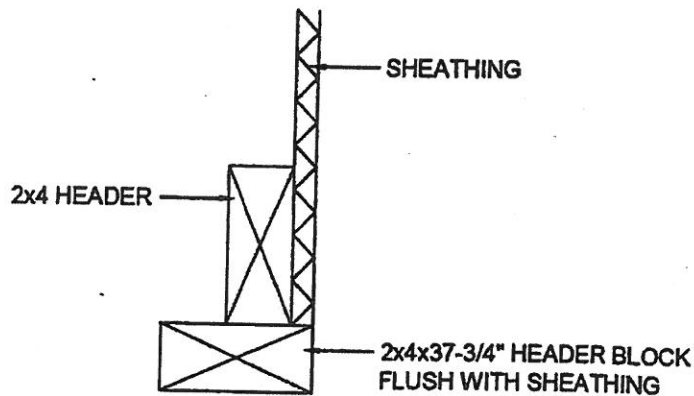
- (1) HEAD
- (1) HEAD WEATHER STRIPPING
- (1) SWEEP



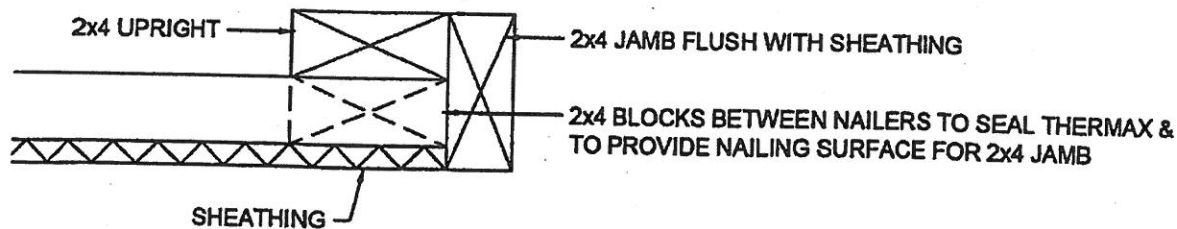
MB 910 ENTRY DOOR WITH EXTERIOR SHEATHING

(FOR BUILDINGS WITH THERMAX, SHEETROCK OR OSB SHEATHING)

HEAD SECTION (1/2" OR 1" SHEATHING)

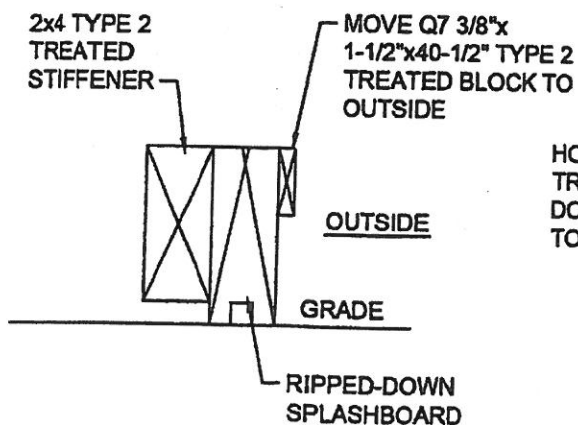


JAMB SECTION (1/2" OR 1" SHEATHING)

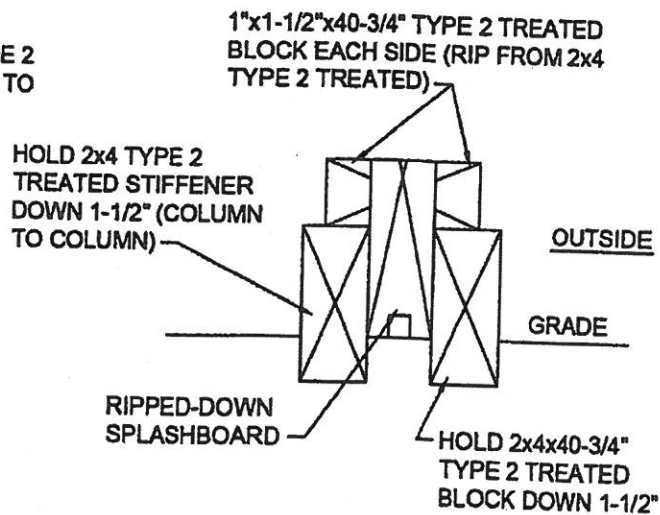


SILL SECTIONS

1/2" SHEATHING



1" SHEATHING





MB 910 ENTRY DOOR HARDWARE

(STRIKE PLATES & HOLE COVERS)

LOCKSET PREP

1. SLIDE (1) U-NUT (INCLUDED IN FRAME PACK OVER EACH SCREW HOLE (SEE DETAIL TO RIGHT).

2. INSTALL STRIKE PLATE (INCLUDED WITH FRAME PACK). FASTEN WITH (2) COMBINATION SCREWS (PACKED WITH LOCKSET).

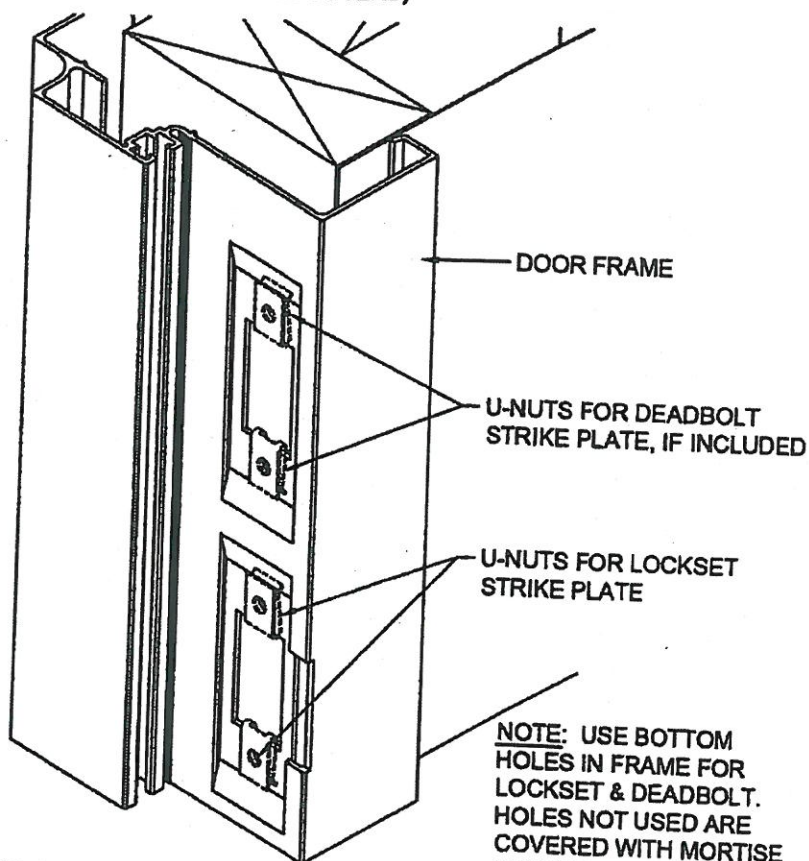
3. COVER OTHER LOCKSET HOLE WITH MORTISE COVER (INCLUDED IN FRAME PACK).

DEADBOLT PREP:

1. REMOVE APPROPRIATE MORTISE COVER FROM DEADBOLT HOLE.

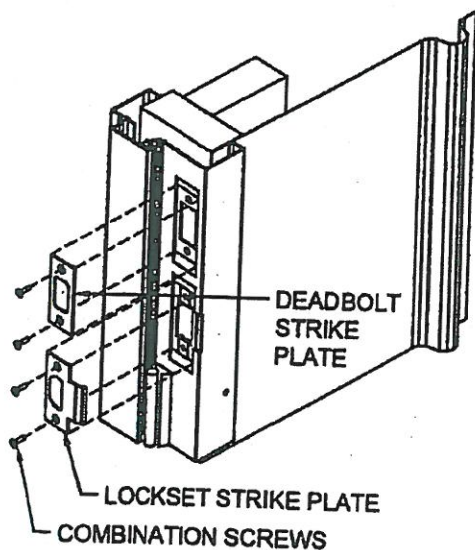
2. SLIDE (1) U-NUT (INCLUDED IN FRAME PACK) OVER EACH SCREW HOLE (SEE DETAIL TO RIGHT).

3. INSTALL STRIKE PLATE, PACKED WITH DEADBOLT. FASTEN WITH (2) COMBINATION SCREWS (PACKED WITH DEADBOLT).



NOTE: WEATHERSEAL NOT SHOWN.

LOCKSET & DEADBOLT STRIKE PLATES



LOCKSET & DEADBOLT MORTISE COVERS

