

Dec-08/2022

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NORTH STAR WINDOWS AND DOORS

INSTALLATION & ASSEMBLY

FULLY ASSEMBLED



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NORTH STAR HAS TWO APPROVED METHODS TO ANCHOR THE FRAME INTO THE ROUGH OPENING

**METHOD 1: ANCHORING THROUGH THE FRAME JAMBS AND HEAD; OR**  
**METHOD 2: ANCHORING USING INSTALLATION CLIPS AT THE JAMB AND HEAD**

IMPORTANT NOTES:  
NORTH STAR WINDOW AND PATIO DOOR PRODUCTS MUST BE SECURED TO THE BUILDING ENVELOPE  
EITHER

DO NOT ANCHOR DOOR THROUGH THE JAMB EXTENSION

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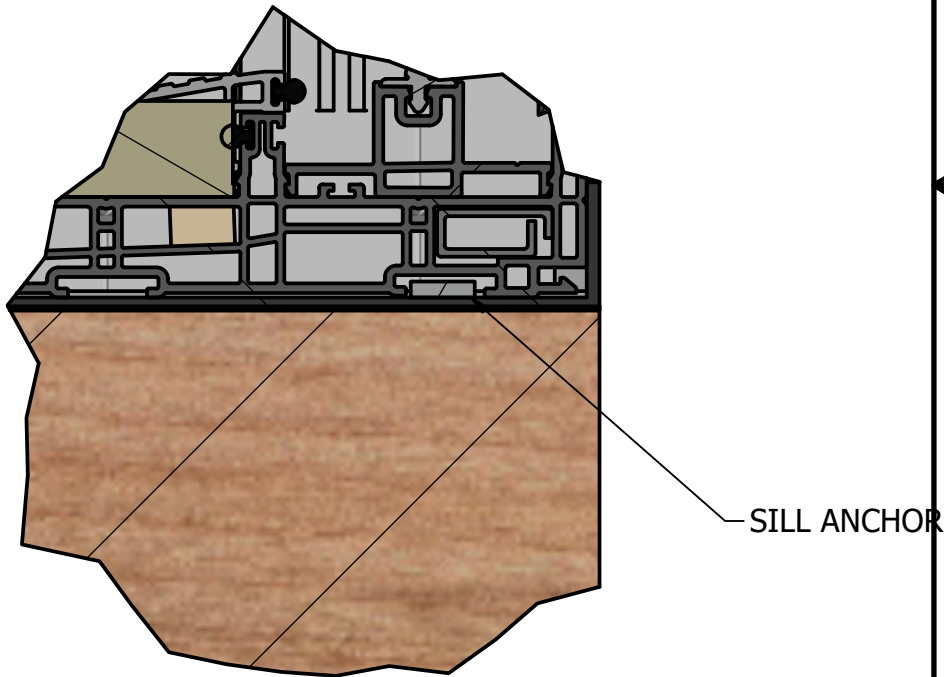
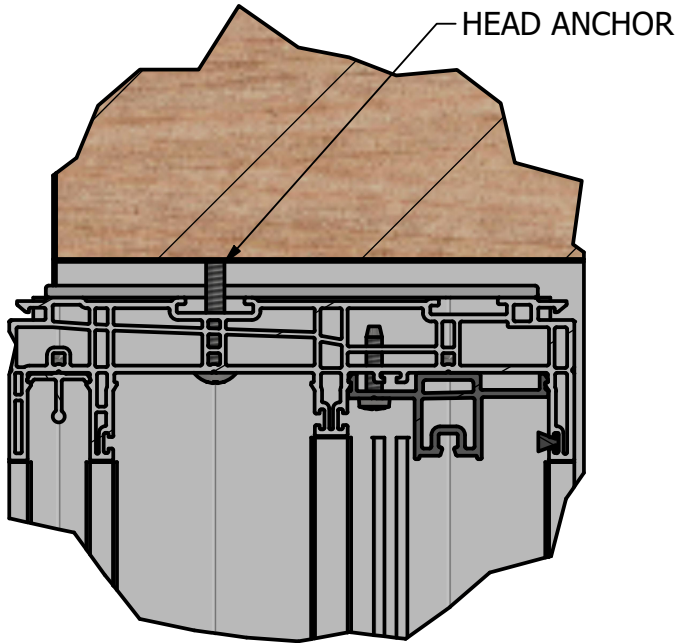
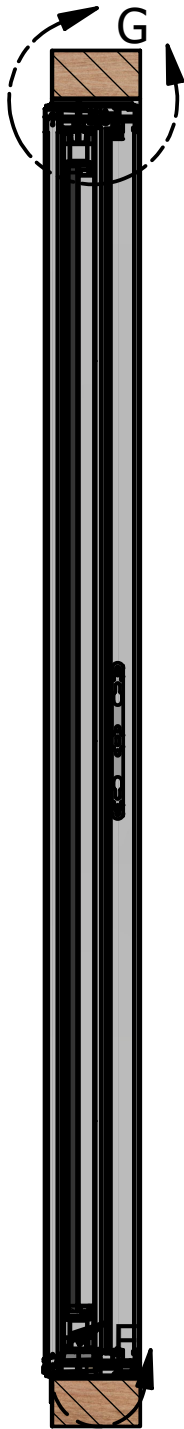
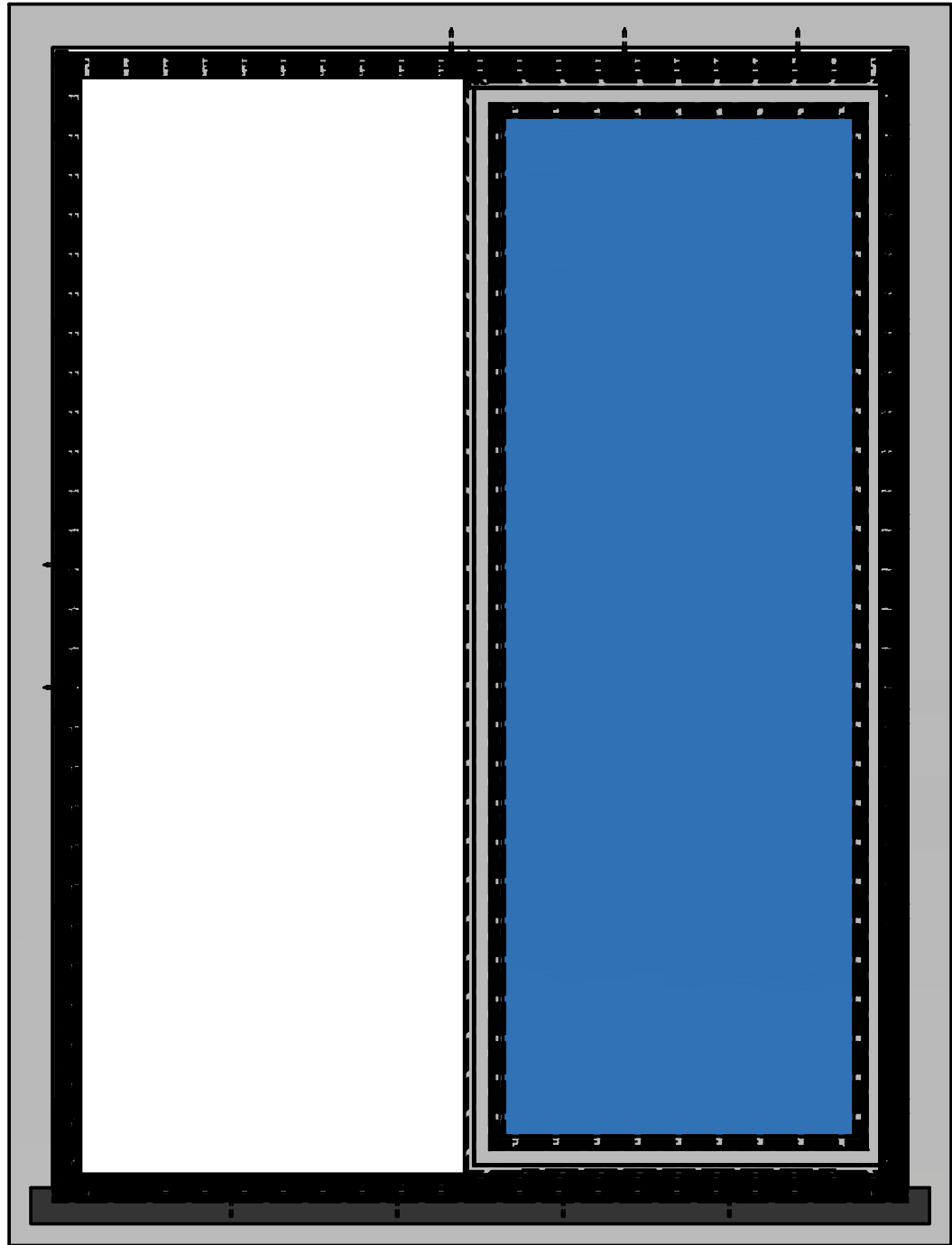


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TOOLS REQUIRED:  
TAPE MEASURE, SEALANT, POWER DRILL, SCREWS

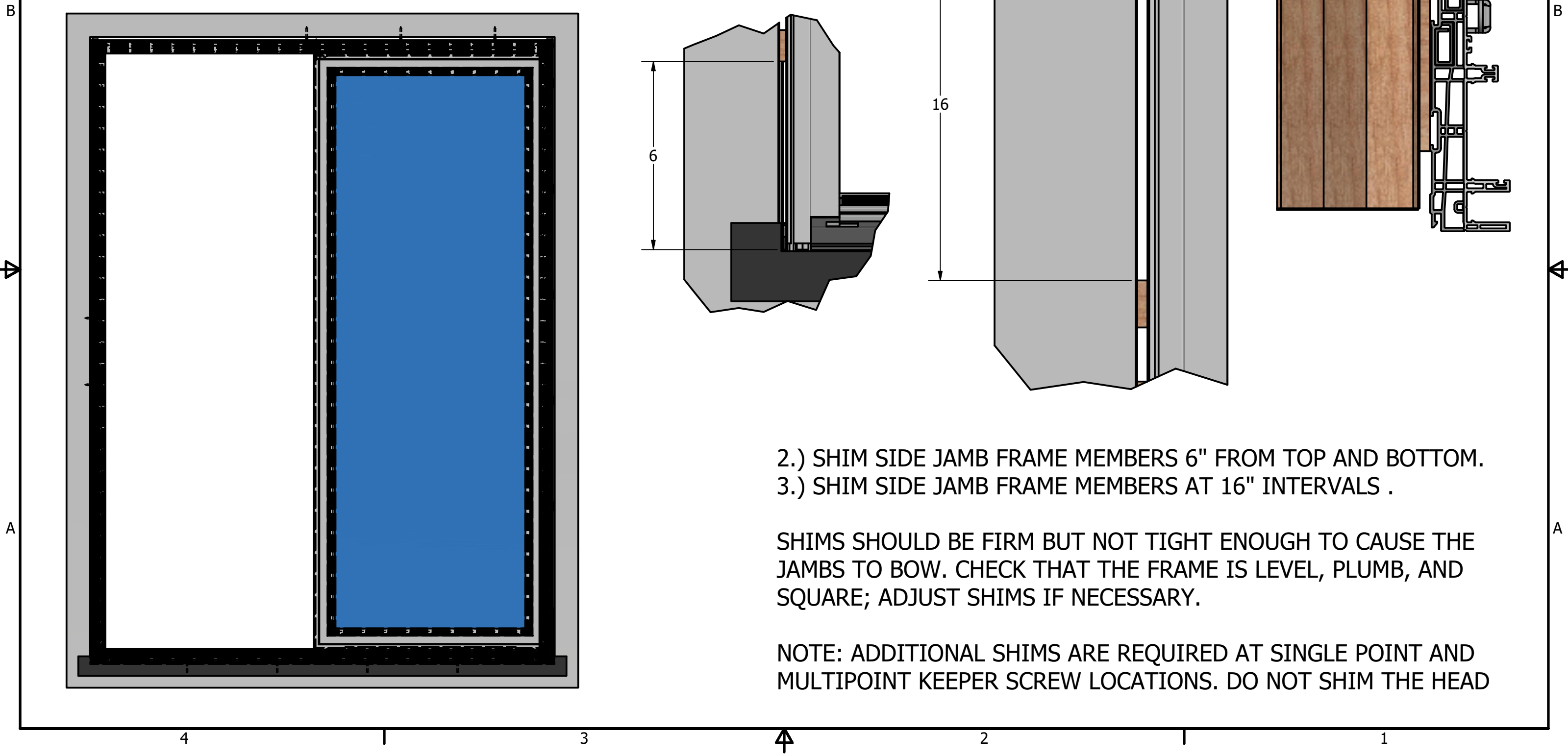
METHOD 1: ANCHORING THROUGH THE FRAME



1.) CENTER THE FRAME IN THE RSO (ROUGH STUD OPENING) SO THERE IS EQUAL SPACE BETWEEN THE FRAME AND THE ROUGH OPENING.  
NOTE: ENSURE SILL ANCHOR IS SITTING IN THE PROPER LOCATION.

METHOD 1: ANCHORING THROUGH THE FRAME

TOOLS REQUIRED:  
SHIMS, TAPE MEASURE, SEALANT, POWER DRILL, SCREWS



- 2.) SHIM SIDE JAMB FRAME MEMBERS 6" FROM TOP AND BOTTOM.
- 3.) SHIM SIDE JAMB FRAME MEMBERS AT 16" INTERVALS .

SHIMS SHOULD BE FIRM BUT NOT TIGHT ENOUGH TO CAUSE THE JAMBS TO BOW. CHECK THAT THE FRAME IS LEVEL, PLUMB, AND SQUARE; ADJUST SHIMS IF NECESSARY.

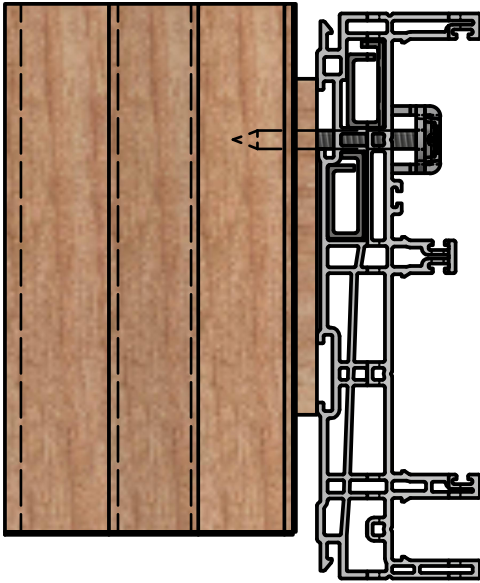
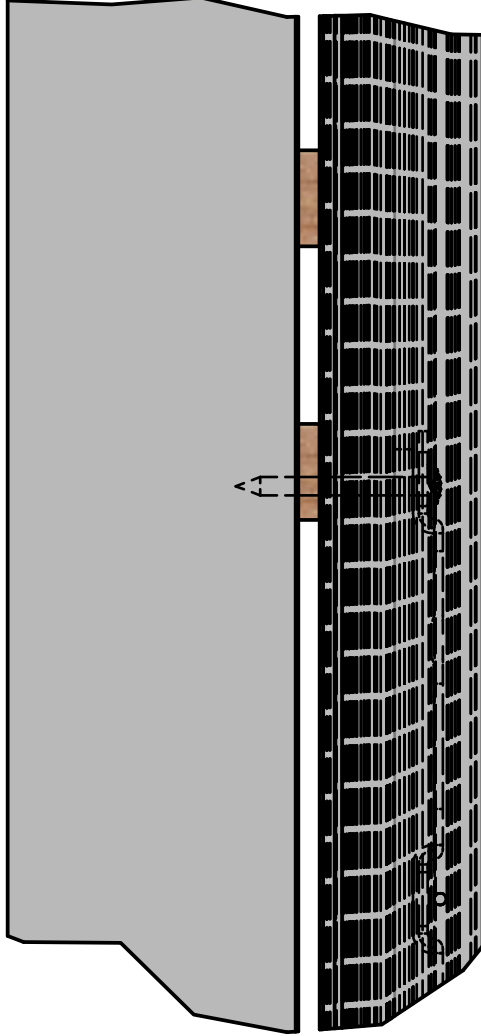
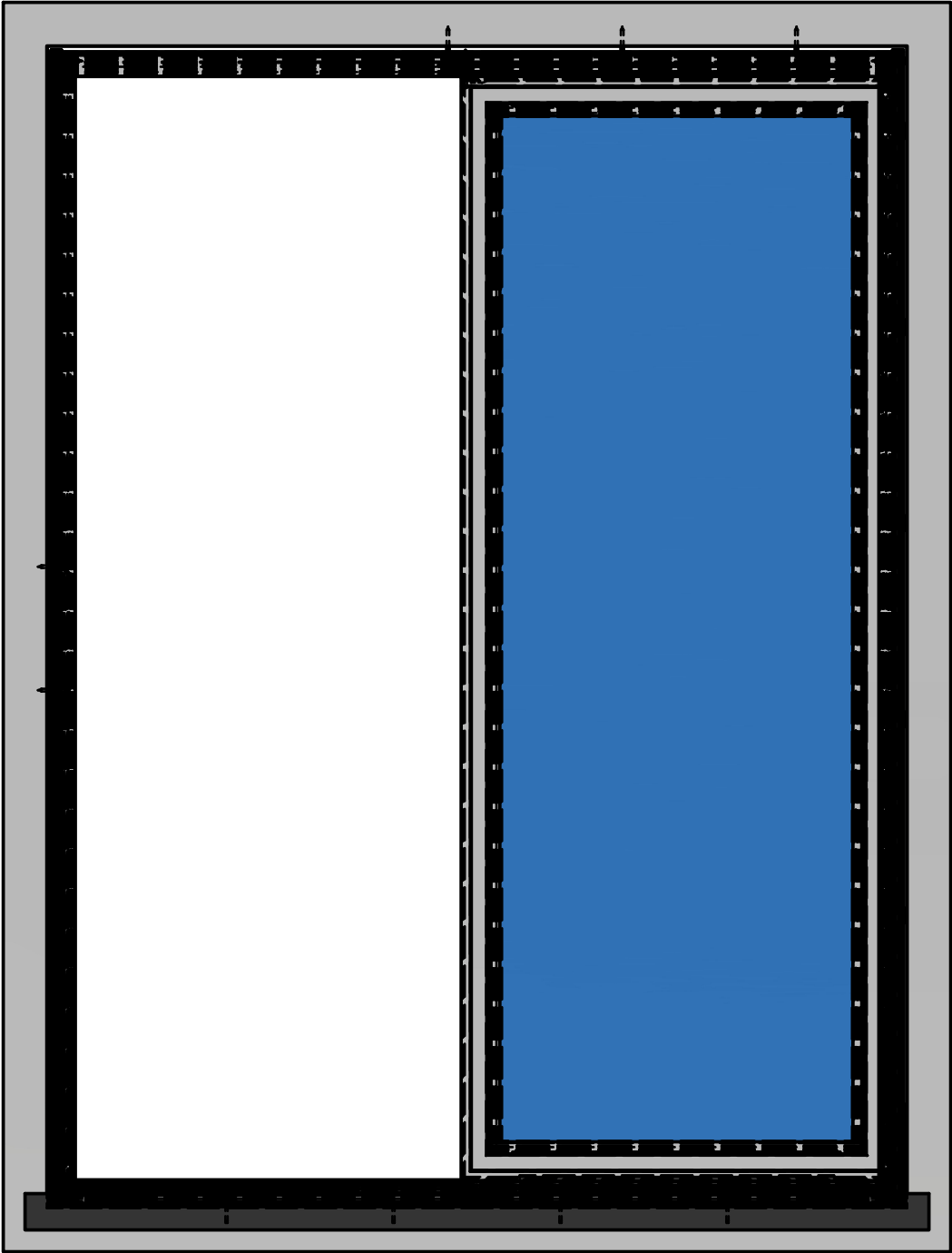
NOTE: ADDITIONAL SHIMS ARE REQUIRED AT SINGLE POINT AND MULTIPOINT KEEPER SCREW LOCATIONS. DO NOT SHIM THE HEAD



METHOD 1: ANCHORING THROUGH THE FRAME

TOOLS REQUIRED:  
SHIMS, SEALANT,  
POWER DRILL, SCREWS,  
LEVEL

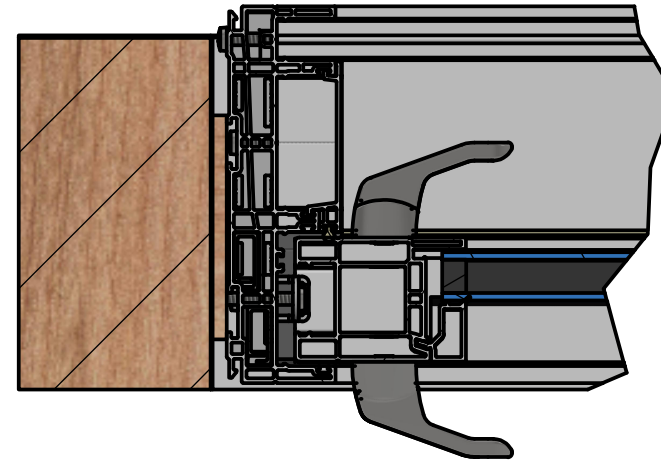
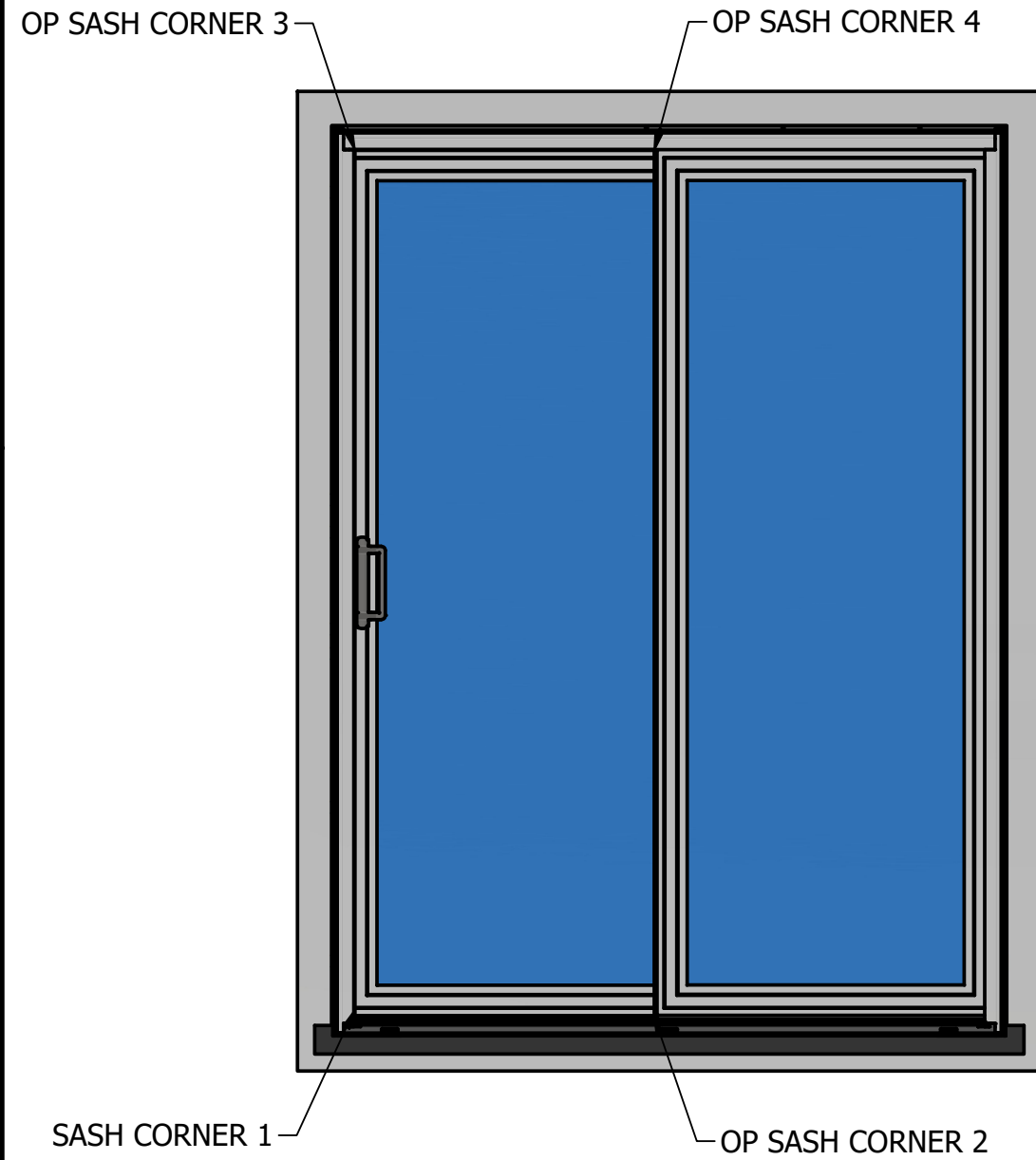
NOTE: REMOVE POCKET COVERS AS NEEDED  
4.) INSTALL SCREWS THROUGH THE FRAME WHERE POCKET COVERS WILL BE INSTALLED AT EACH SHIM LOCATION, BEING CAREFUL NOT TO BOW FRAME. USE #8 X 2-1/2" SCREWS. SCREW LENGTH IS DEPENDENT UPON FRAME STRUCTURE; SCREW LENGTH MUST BE OF SUFFICIENT LENGTH TO SECURE UNIT IN OPENING (MINIMUM OF 1" PENETRATION THROUGH THE JAMB IS REQUIRED)



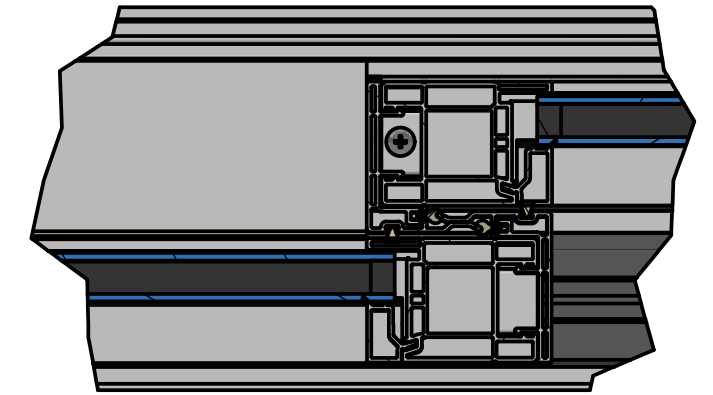
5-A.) INSTALL SCREWS THROUGH THE HEAD JAMB INTO THROUGH OPENING AT 16" INTERVALS  
5-B.) REMOVE KEEPER SCREWS AND REPLACE THEM WITH SUPPLIED SCREWS. SCREWS SHOULD RUN THROUGH THE INSTALLED SHIMS INTO THE ROUGH OPENING. IMPORTANT: WHEN ANCHORING UNIT THROUGH JAMB, SEAL SCREW HEADS WITH SILICONE.

TOOLS REQUIRED:  
Mallet, SILICONE

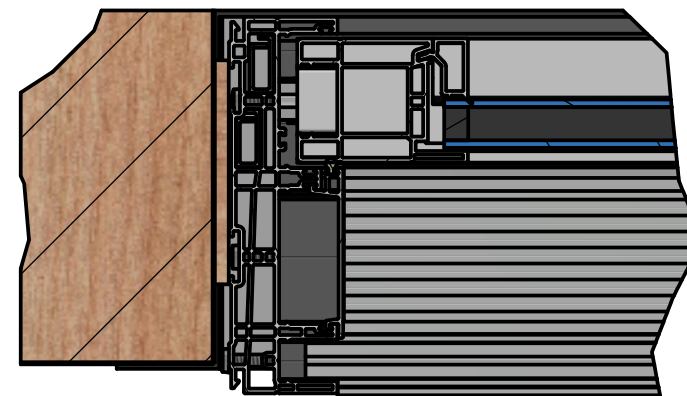
- 6.) INSTALL HEAD JAMB POCKET COVER AND SEAL EACH END  
7.) SEAL THE POCKET COVER TO THE SLOPPED SILL COVER ENDS



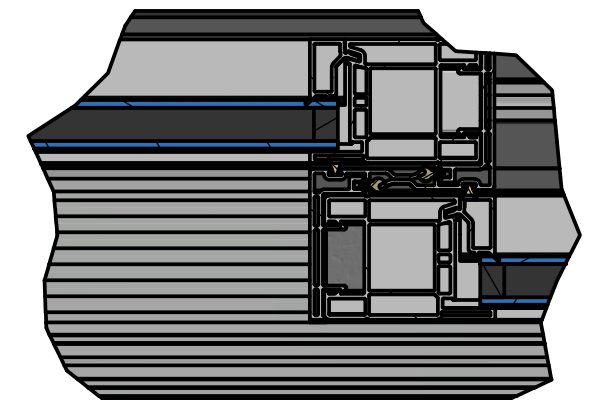
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SCALE 1 / 3



DETAIL AM  
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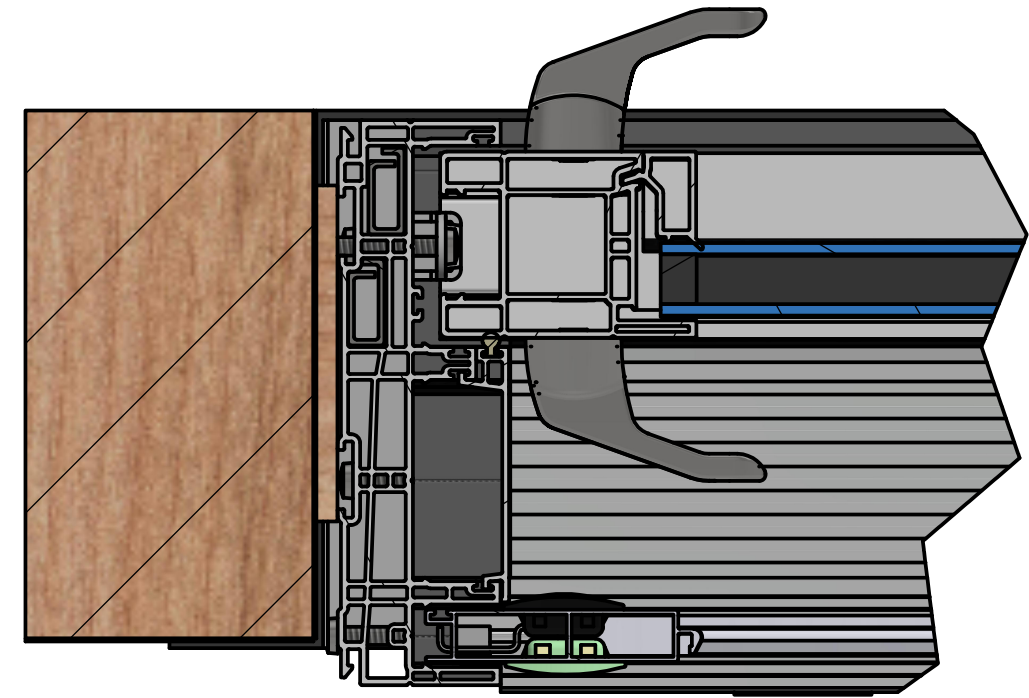
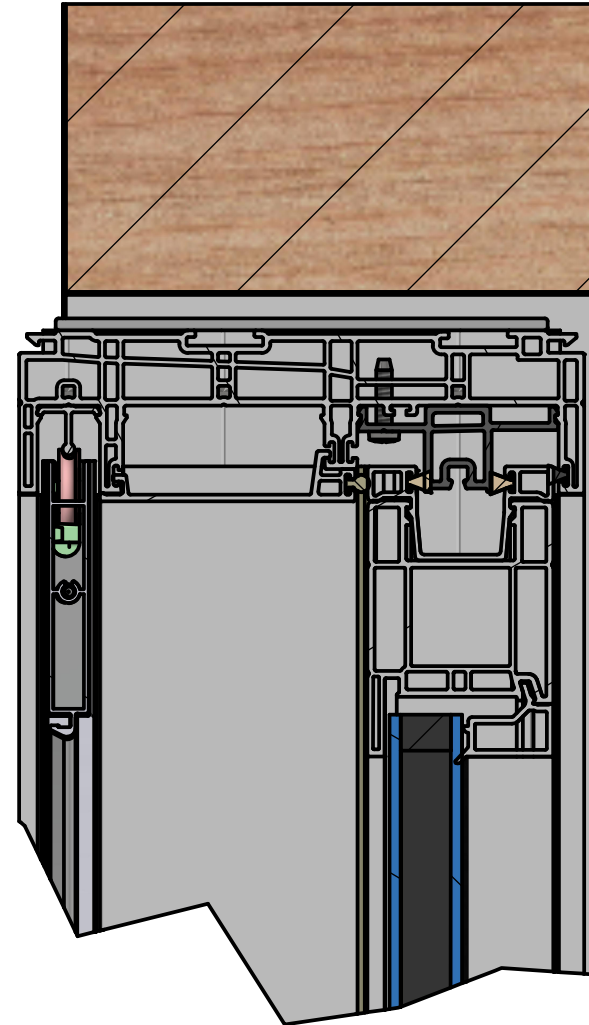
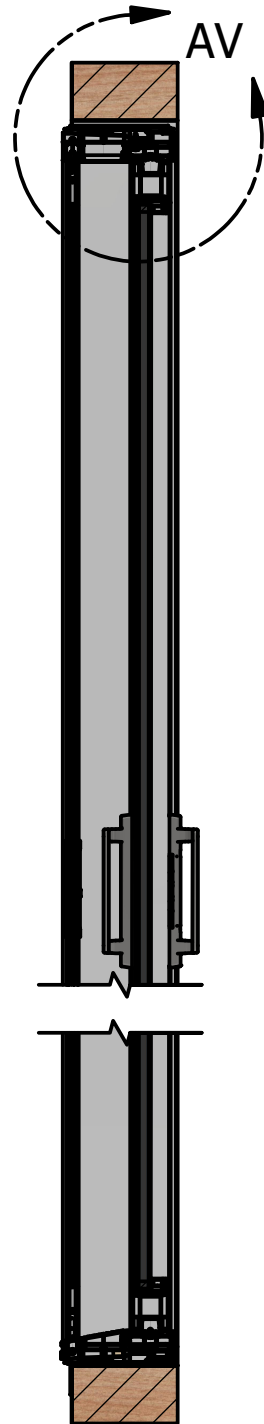


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TOOLS REQUIRED:  
BACKER ROD, SPRAY FOAM INSULATION  
UTILITY KNIFE



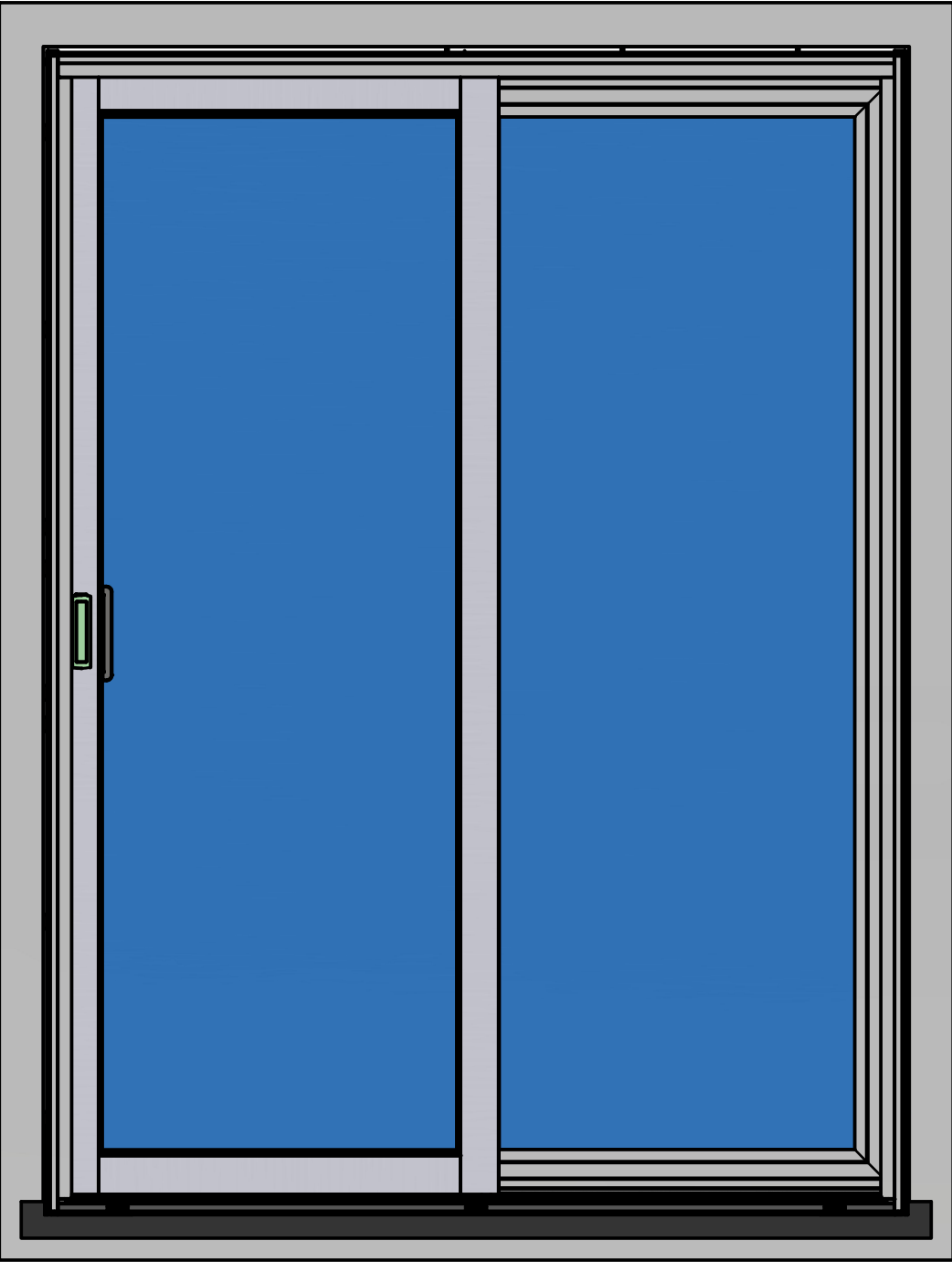
8.) FROM THE EXTERIOR INSTALL BACKER RODS AROUND THE DOOR JAMBS AND HEAD. USE THE APPROPRIATE SIZE ENSURING AT LEAST 25% BACKER ROD COMPRESSION.

9.) USING THE SPRAY FOAM INSULATION, INSULATE BETWEEN THE DOOR FRAME AND THE ROUGH OPENING, ENSURING ALL VOIDS ARE FILLED.

CAUTION MUST BE EXERCISED NOT TO OVER PACK THE INSULATION CAUSING UNIT FRAME TO DISTORT.

10.) SEAL AND TRIM DOOR INSIDE AND OUT TO SUIT APPLICATION.

10.)INSTALL AND ADJUST SCREEN DOOR

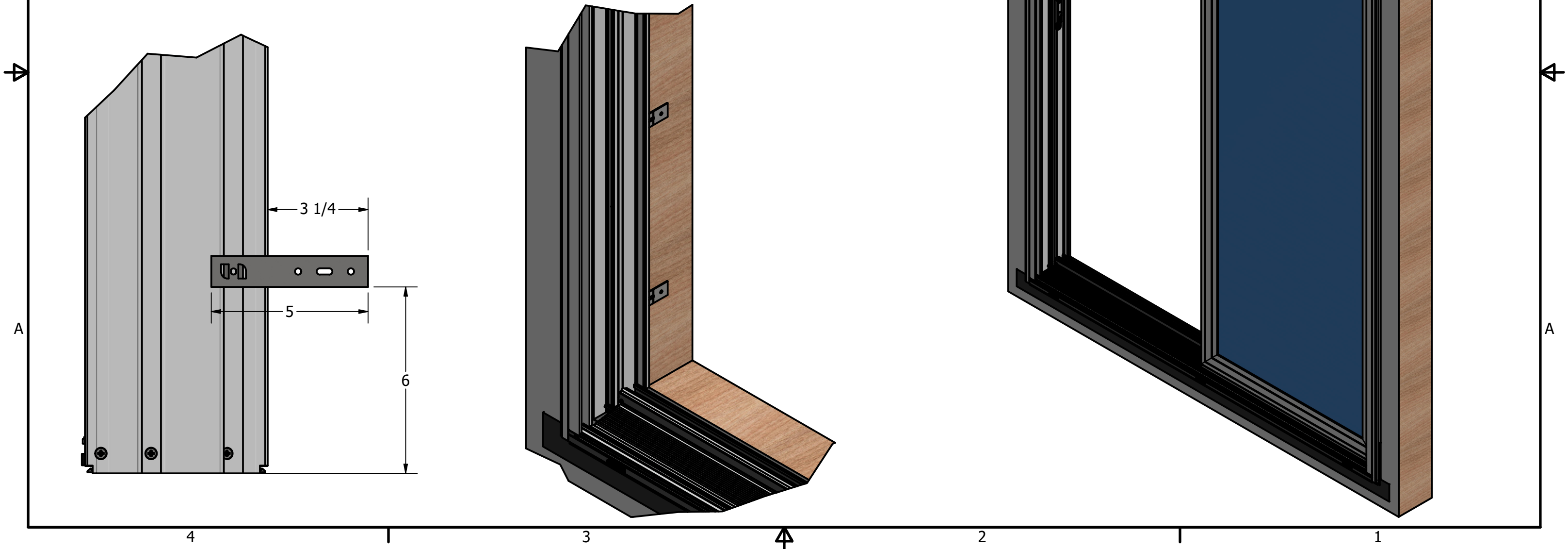


METHOD 2: USING INSTALLATION CLIPS

5.)  
A) PLACE THE GALVANIZED STEEL ANCHOR CLIPS 6" IN FROM EACH CORNER AND THEN AT APPROXIMATELY 16" INTERVALS AT THE JAMBS AND AT THE HEAD

B.) CENTER THE FRAME IN OPENING SO THERE IS EQUAL SPACE BETWEEN THE FRAME AND THE ROUGH OPENING.  
NOTE: ENSURE SILL ANCHOR IS SITTING IN THE PROPER LOCATION.

C.) ANCHOR THE DOOR AT THE HEAD IN THE FIXED PANEL POCKET CENTERED 6" AWAY FROM EACH CORNER USING #8 1-1/2" SCREWS





## METHOD 2: USING INSTALLATION CLIPS

### TOOLS REQUIRED:

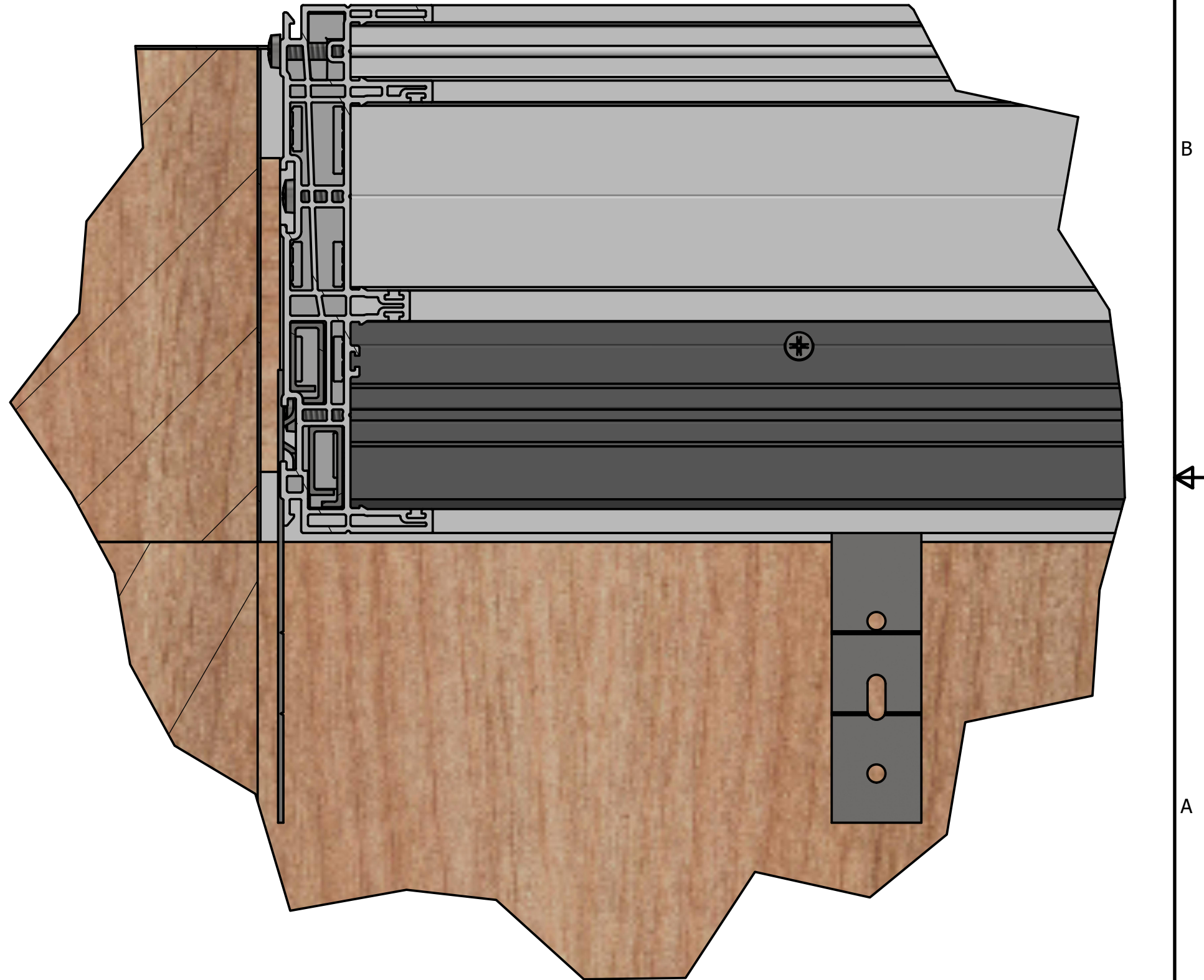
SHIMS, TAPE MEASURE, SEALANT,  
POWER DRILL, SCREWS

6.) SHIM SIDE JAMB BEHIND EACH CLIP  
LOCATION; SHIMS SHOULD BE FIRM BUT  
NOT TIGHT ENOUGH TO CAUSE THE JAMBS  
TO BOW. CHECK THAT THE FRAME IS  
LEVEL, PLUMB, AND SQUARE; ADJUST  
SHIMS IF NECESSARY.

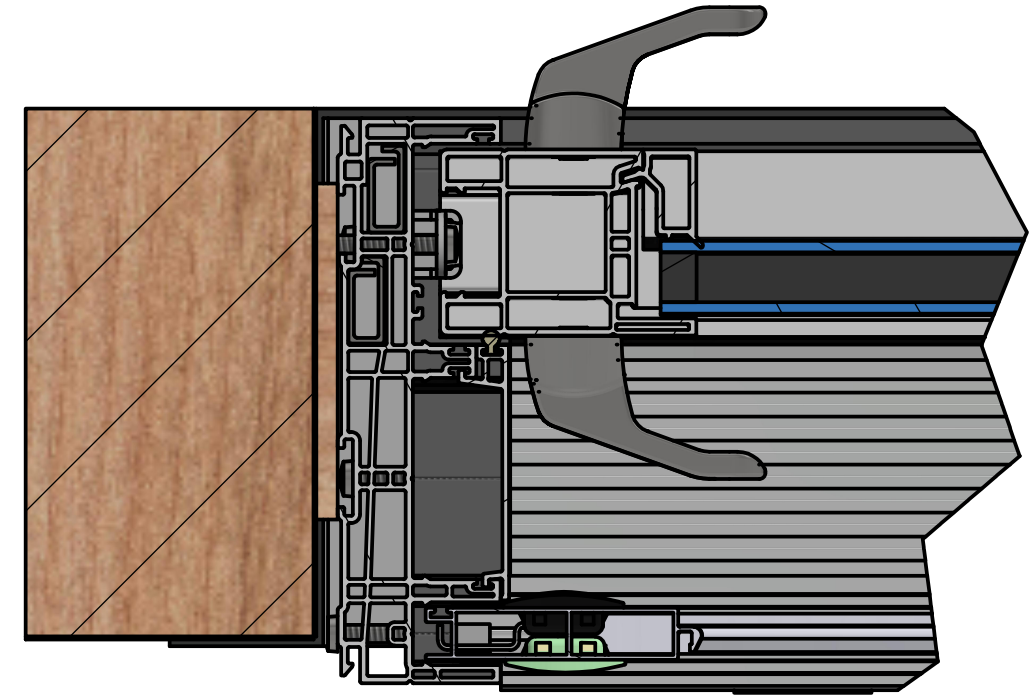
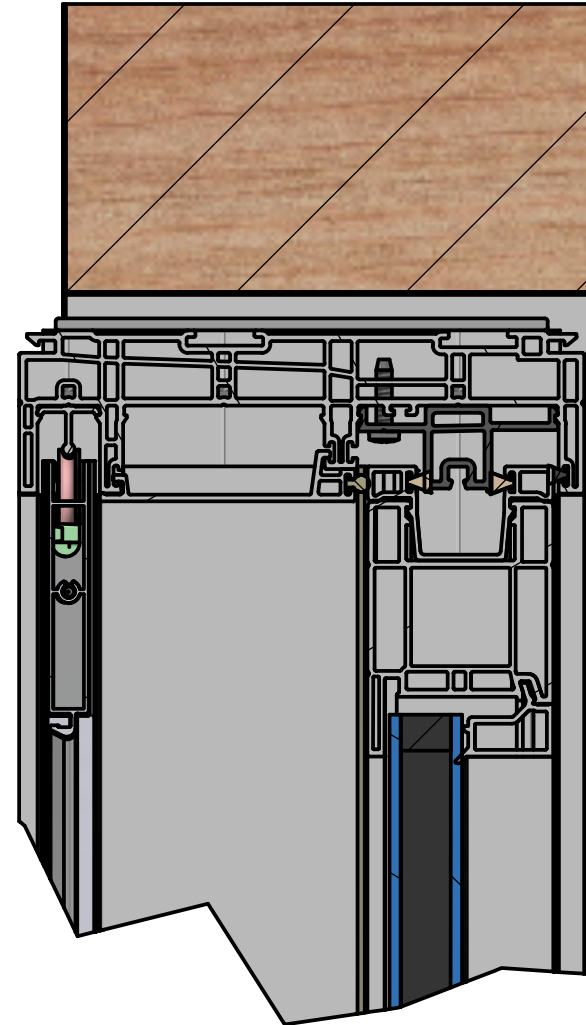
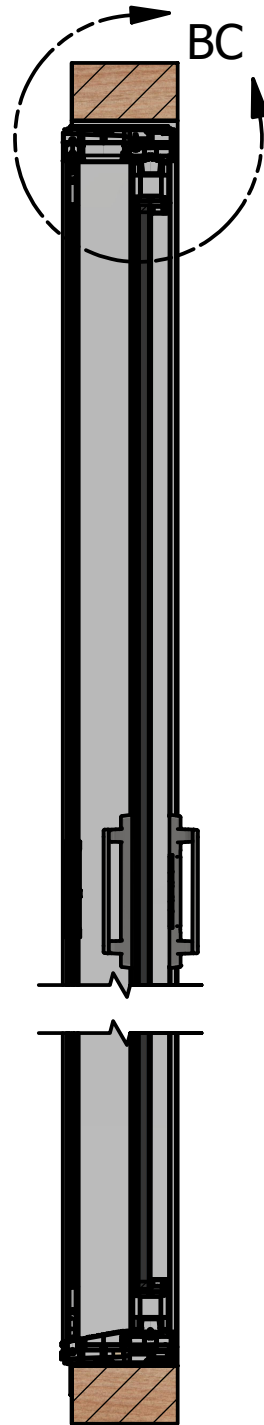
NOTE: ADDITIONAL SHIMS ARE REQUIRED  
AT SINGLE POINT AND MULTIPOINT  
KEEPER SCREW LOCATIONS.  
DO NOT SHIM THE HEAD

7.) INSTALL SCREWS THROUGH THE HOLES ON THE  
INSTALLATION CLIPS AT EACH SHIM/ CLIP LOCATION  
LOCATION BEING CAREFUL NOT TO BOW FRAME.  
SUGGEST USING #8 X 1-1/2" SCREWS. SCREW  
LENGTH IS DEPENDENT UPON FRAME STRUCTURE,  
SCREW LENGTH MUST BE OF SUFFICIENT LENGTH TO  
SECURELY ANCHOR UNIT IN OPENING. (MINIMUM OF  
1" PENETRATION THROUGH THE JAMB IS REQUIRED)

8.) REMOVE KEEPER SCREWS AND REPLACE THEM  
WITH SUPPLIED SCREWS. SCREWS SHOULD RUN  
THROUGH THE INSTALLED SHIMS INTO THE ROUGH  
OPENING. IMPORTANT: WHEN ANCHORING UNIT  
THROUGH JAMB, SEAL SCREW HEADS WITH  
SILICONE.



TOOLS REQUIRED:  
BACKER ROD, SPRAY FOAM INSULATION  
UTILITY KNIFE



8.) FROM THE EXTERIOR INSTALL BACKER RODS AROUND THE DOOR JAMBS AND HEAD. USE THE APPROPRIATE SIZE ENSURING AT LEAST 25% BACKER ROD COMPRESSION.

9.) USING THE SPRAY FOAM INSULATION, INSULATE BETWEEN THE DOOR FRAME AND THE ROUGH OPENING, ENSURING ALL VOIDS ARE FILLED.

CAUTION MUST BE EXERCISED NOT TO OVER PACK THE INSULATION CAUSING UNIT FRAME TO DISTORT.

10.) SEAL AND TRIM DOOR INSIDE AND OUT TO SUIT APPLICATION.

10.)INSTALL AND ADJUST SCREEN DOOR

