

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 IBC AND THE 2006 IRC WITH STATE OF TEXAS MODIFICATIONS AND WITH THE 2009 IBC, 2009 IRC, 2012 IBC, 2012 IRC, 2015 IBC AND 2015 IRC.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 2 FOR GLASS DETAIL.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM

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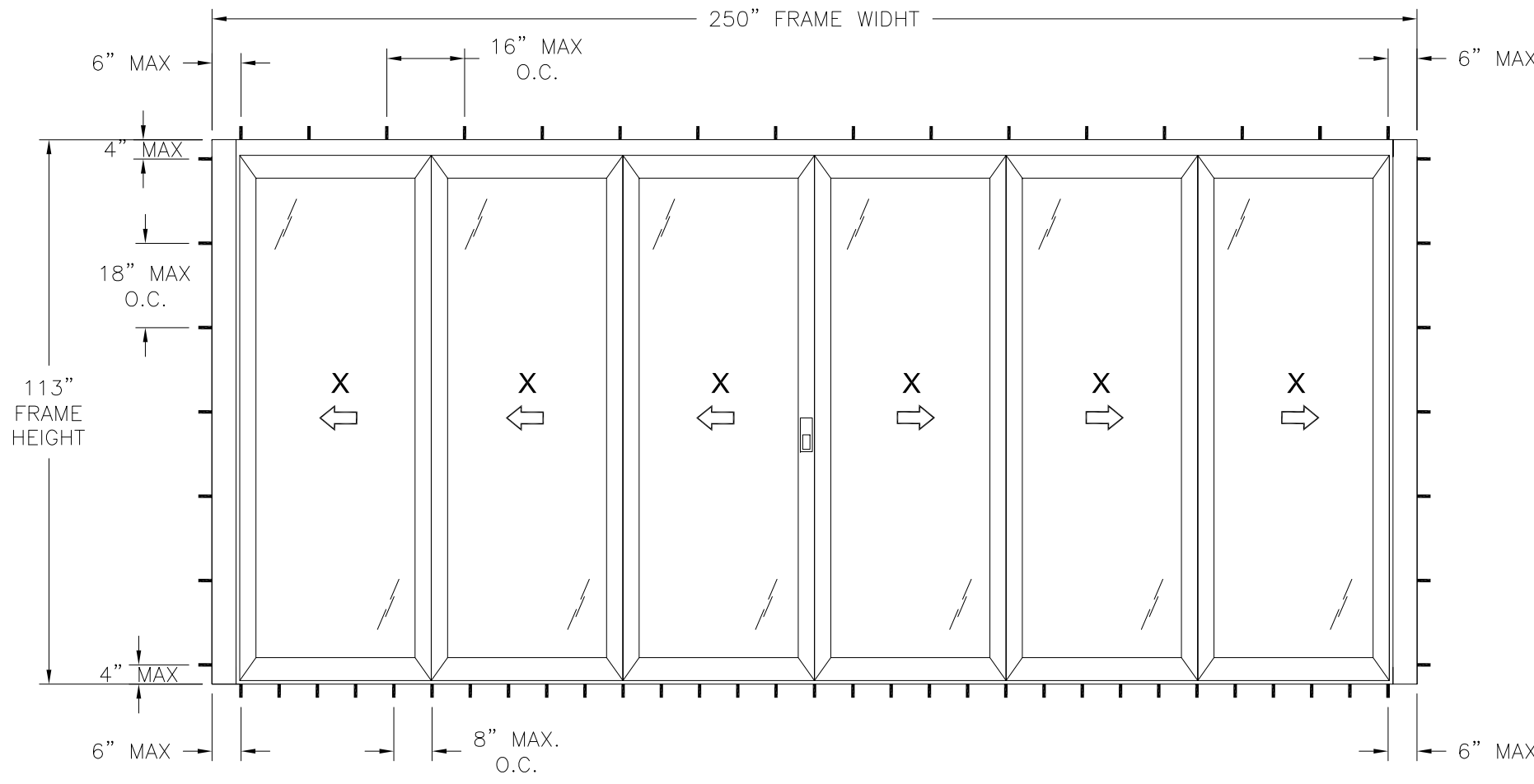
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CENTOR NORTH AMERICA INC. 966-130 CORPORATE BLVD. AURORA, IL 60502		
200 SERIES/MODEL 205 FOLDING OUTWARD OPENING DOOR WITH WOOD TRIM - IMPACT NOTES		
DRAWN: A.R.	DWG NO. 08-03431	REV -
SCALE NTS	DATE 05/20/19	SHEET 1 OF 8
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

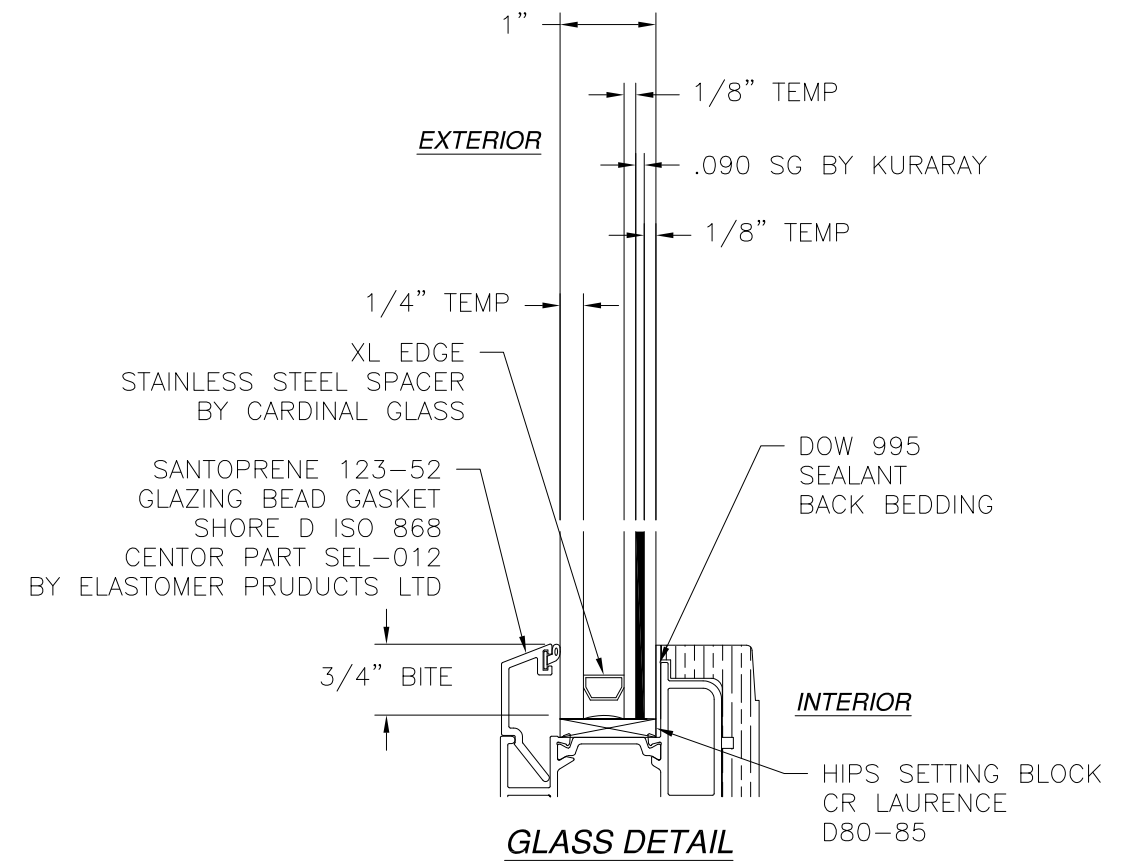


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TX No.: 101889

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- NOTES:**
- PANEL SIZE: 39 3/4" x 109"
 - D.L.O.: 33" x 99 1/2"



200 SERIES/MODEL 205 FOLDING OUTWARD DOOR

EXTERIOR VIEW
 UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 30.08 FT² AND USES VERTICAL CONDITIONS AS SHOWN IN APPROVAL DRAWING, AND MAXIMUM FRAME AREA DOES NOT EXCEED 294.27FT²

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

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HARDWARE SCHEDULE	
A.	(6) CONCEALED HINGES, 7 1/4" FROM TOP AND BOTTOM AND 7 1/4" MAX O.C.
B.	(2) INTERMEDIATE CARRIER AT TOP OF CENTER PANEL OF EACH SIDE
C.	(2) CENTER INTERMEDIATE HINGE, LOCATED BETWEEN TOP CARRIER AND BOTTOM GUIDE
D.	(8) COVER PLATES AT TOP CARRIER AND BOTTOM GUIDE
E.	(2) TOP PIVOT HINGE AND (2) BOTTOM PIVOT HINGE AT LEFT AND RIGHT SIDE OF JAMBS
F.	(1) EXTERNAL CYLINDER AND INTERNAL SNIB, 32" FROM SILL WITH KEEPER SYSTEM
G.	(1) AUTO LATCH LOCKS, 32" FROM SILL AT TOP AND BOTTOM LEFT CORNERS OF INTERMEDIATE PANELS
H.	(1) ALUMINUM REINFORCEMENT BAR AT JAMB STILE

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 OPENING DOOR WITH WOOD TRIM - IMPACT
 ELEVATION AND GLAZING DETAIL;

DRAWN: A.R.	DWG NO. 08-03431	REV -
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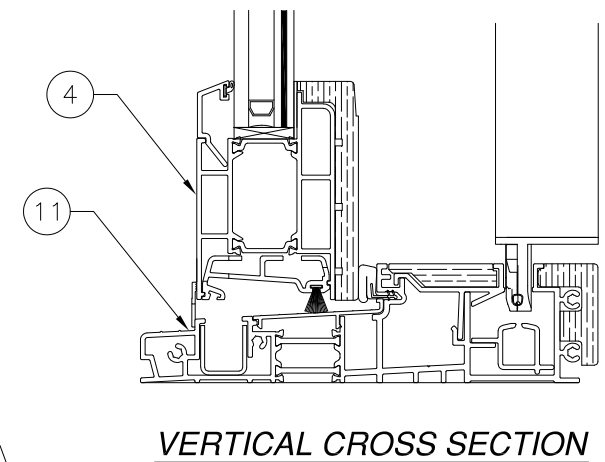
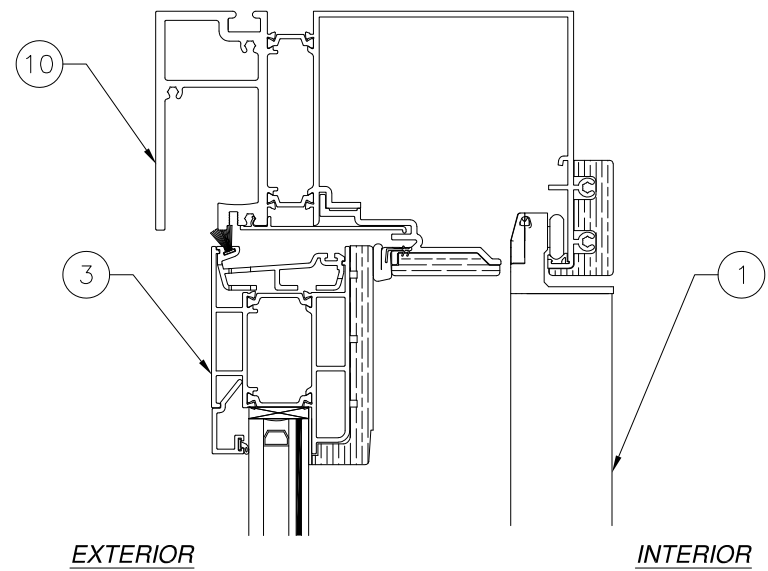


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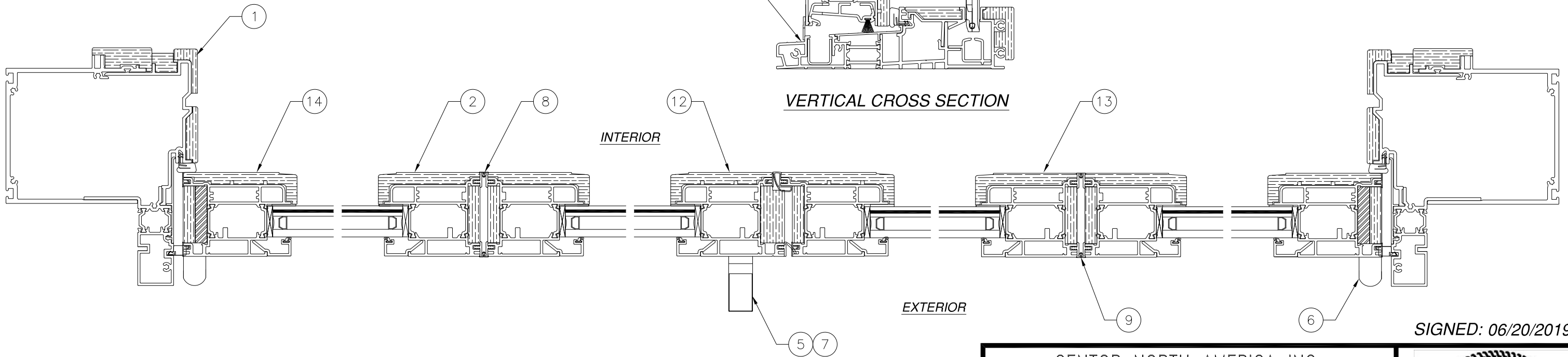
BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	ASSY-0713	INOPERABLE JAMB	CENTOR	
2	ASSY-0813	DOOR PANEL STILE	CENTOR	
3	ASSY-0816	TOP RAIL	CENTOR	
4	ASSY-0817	BOTTOM RAIL	CENTOR	
5	ASSY-0814	ENTRANCE HANDLE	CENTOR	
6	ASSY-0813	PIVOT SET	CENTOR	
7	ASSY-0814	ENTRANCE LOCK	CENTOR	
8	ASSY-0560	CONCEALED HINGE	CENTOR	
9	ASSY-0813	INTERMEDIATE SET	CENTOR	
10	ASSY-0637	HEAD	CENTOR	
11	ASSY-0571	SILL	CENTOR	
12	ASSY-0814	STILE ACTIVE	CENTOR	
13	ASSY-0815	STILE PASSIVE	CENTOR	
14	ASSY-0807	JAMB STILE	CENTOR	
15	ASSY-0618	INTERMEDIATE CARRIER	CENTOR	
16	ASSY-0620	INTERMEDIATE HINGE	CENTOR	
17	ASSY-0331	TOP PIVOT	CENTOR	
18	ASSY-0332	END CARRIER	CENTOR	
19	ASSY-0626	BOTTOM GUIDE JAMB	CENTOR	
20	ASSY-0565	BOTTOM LEFT PIVOT	CENTOR	
21	ASSY-0619	INTERMEDIATE GUIDE	CENTOR	

NOTE:
1. ITEMS 15 THROUGH 21 ARE USED BUT NOT SHOWN,
SEE SHEET 9 FOR DETAILS.

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VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION

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OPENING DOOR WITH WOOD TRIM - IMPACT
CROSS SECTIONS

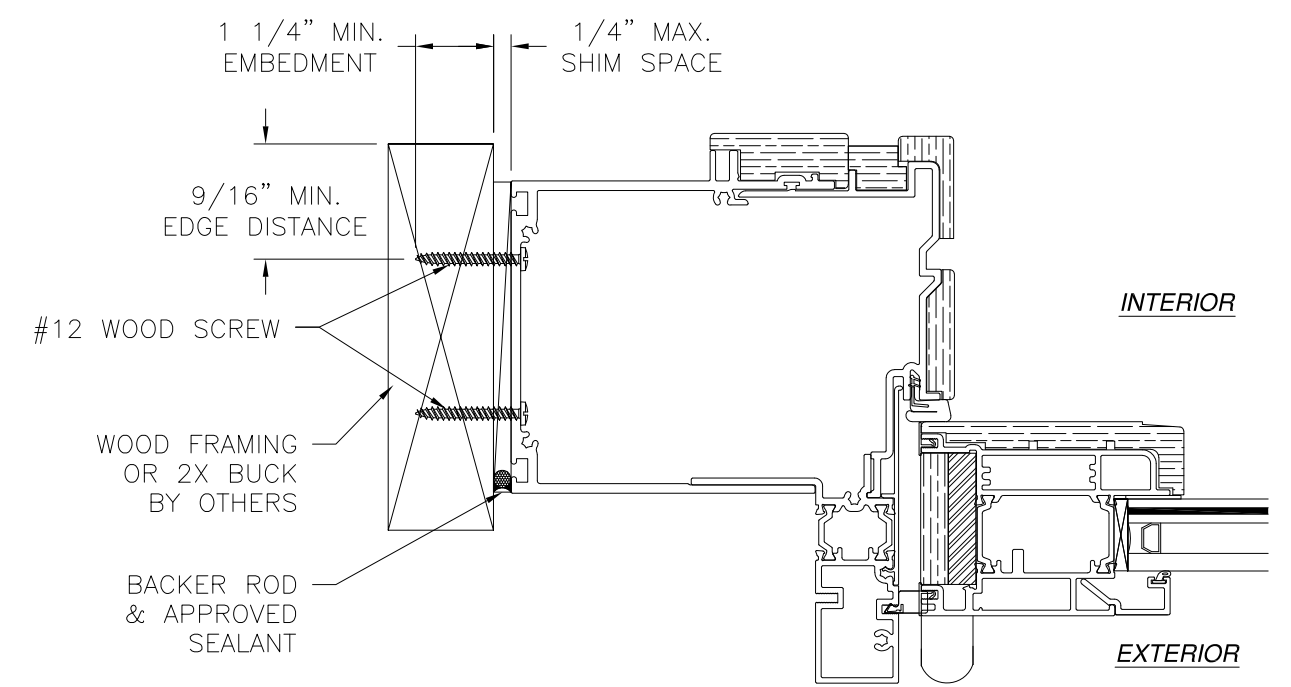
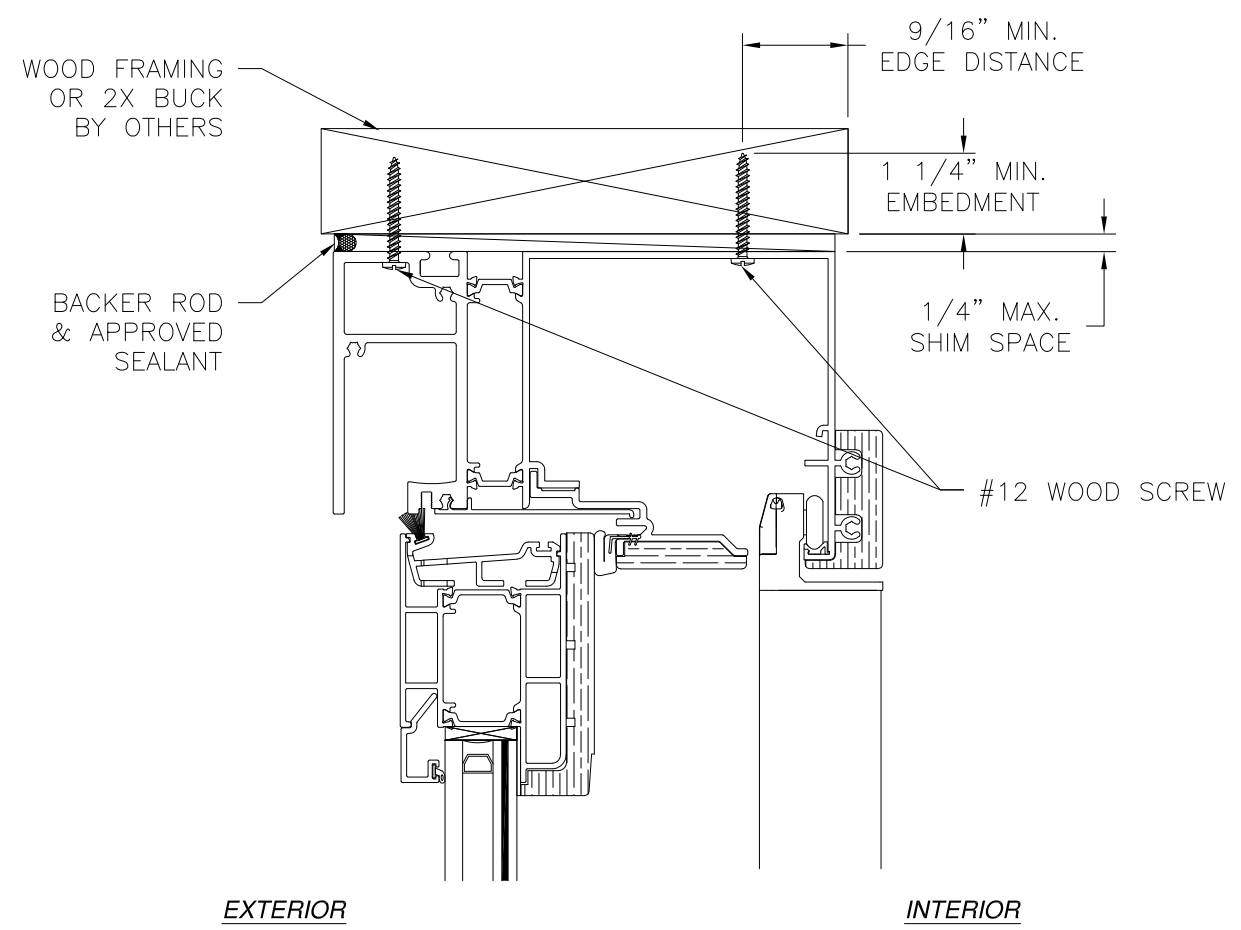
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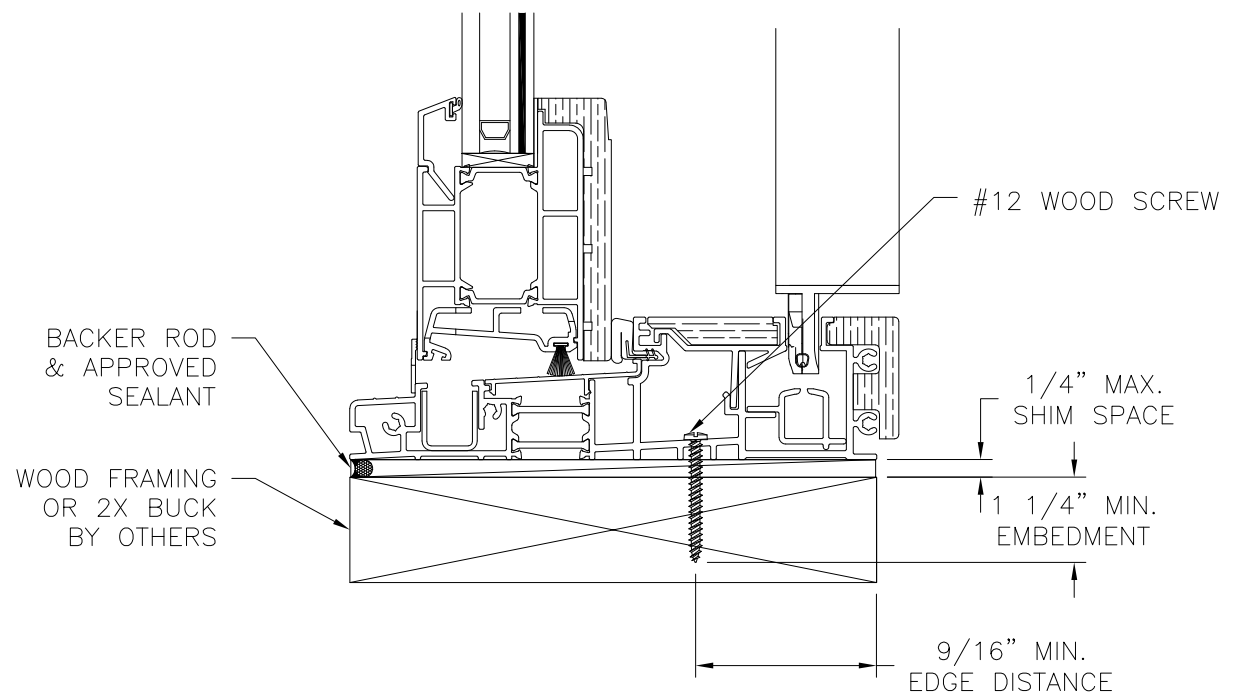


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JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

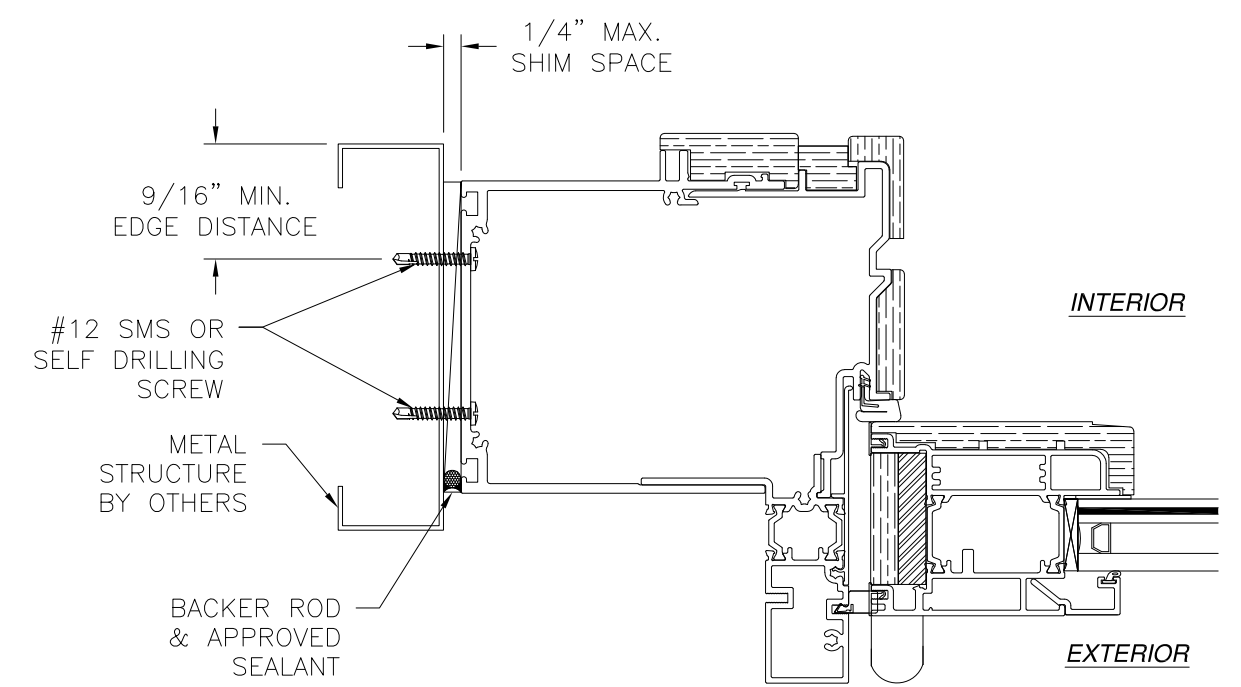
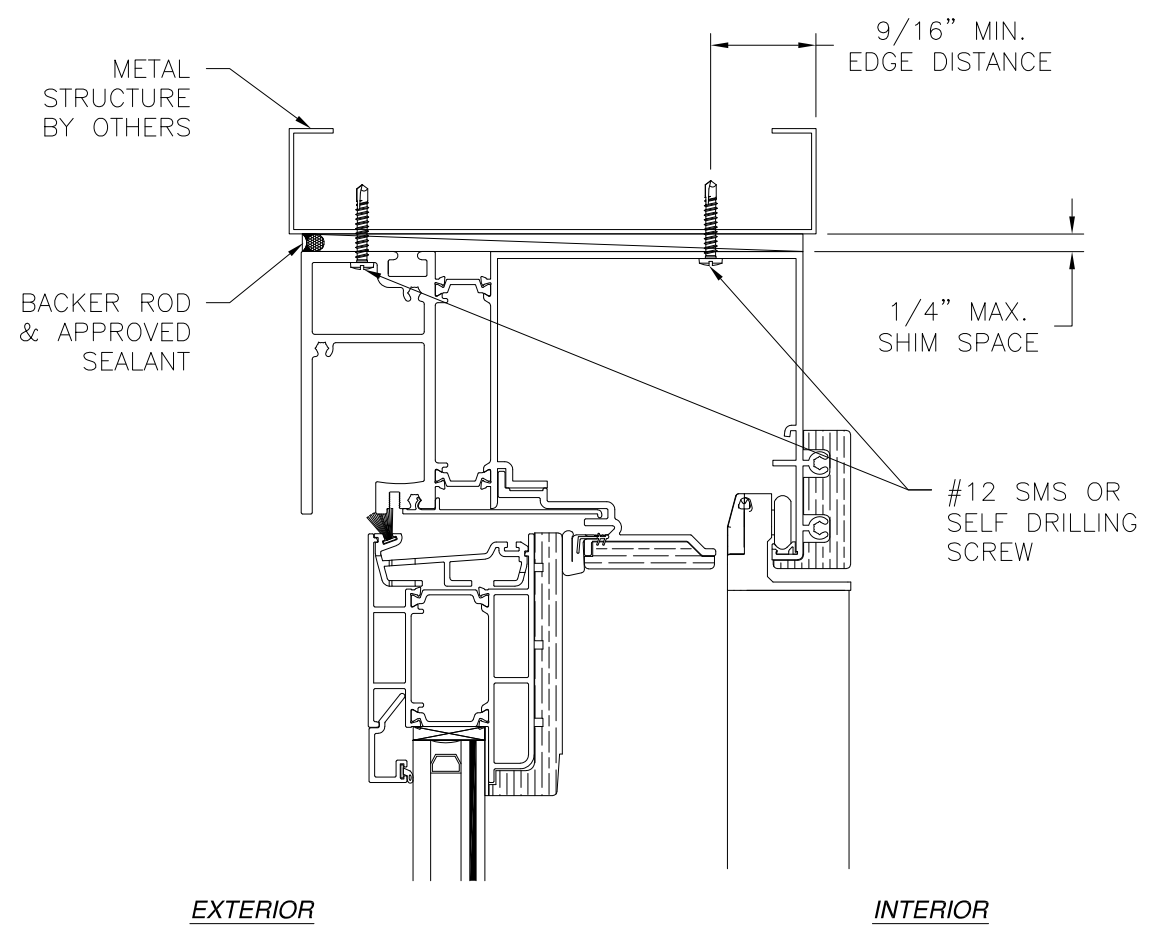
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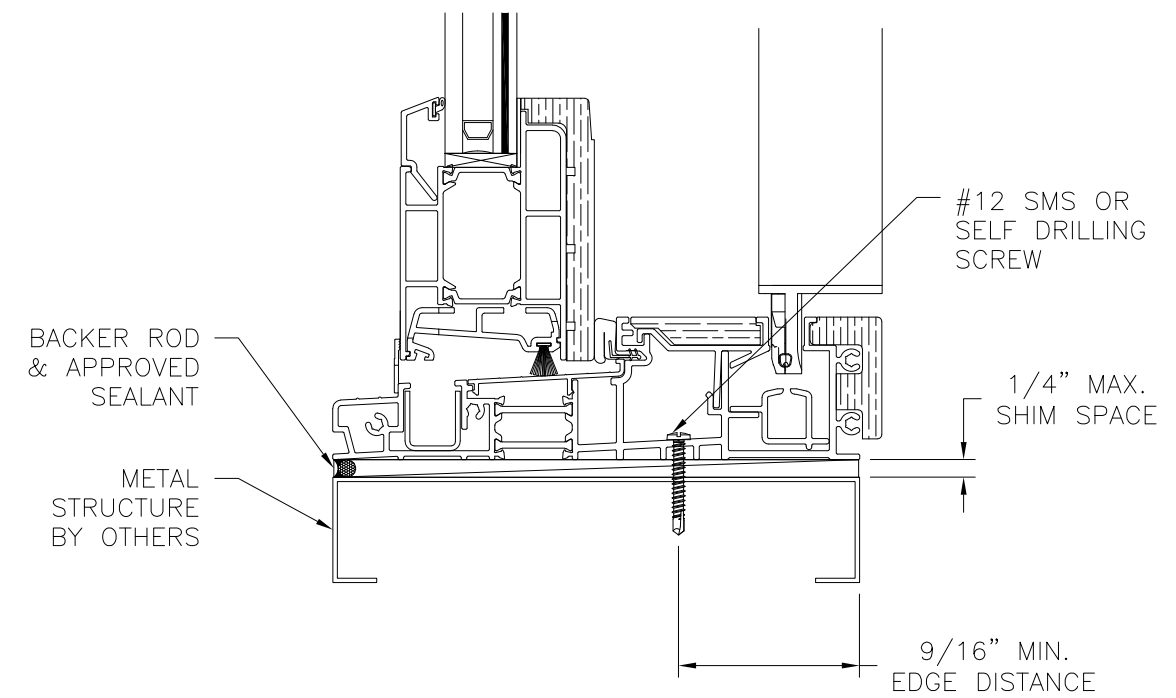


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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

NOTES:

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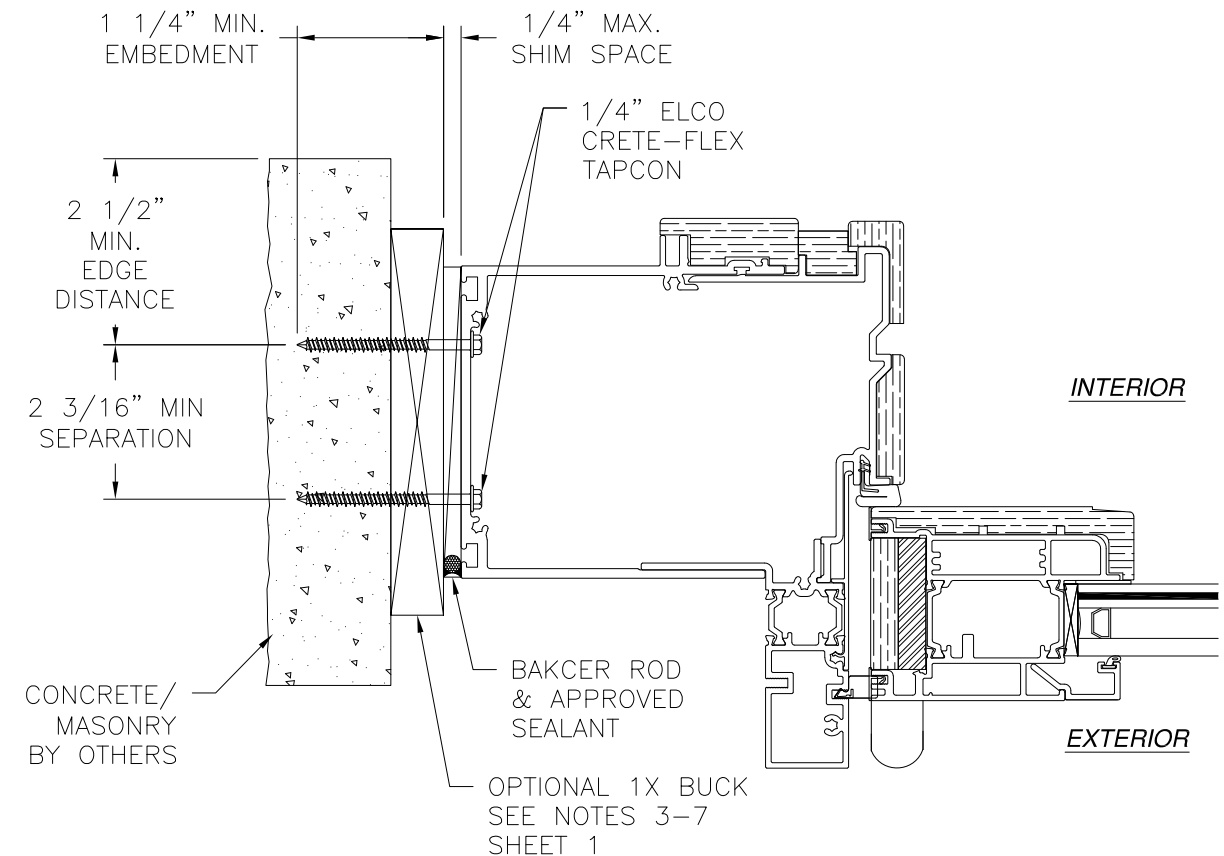
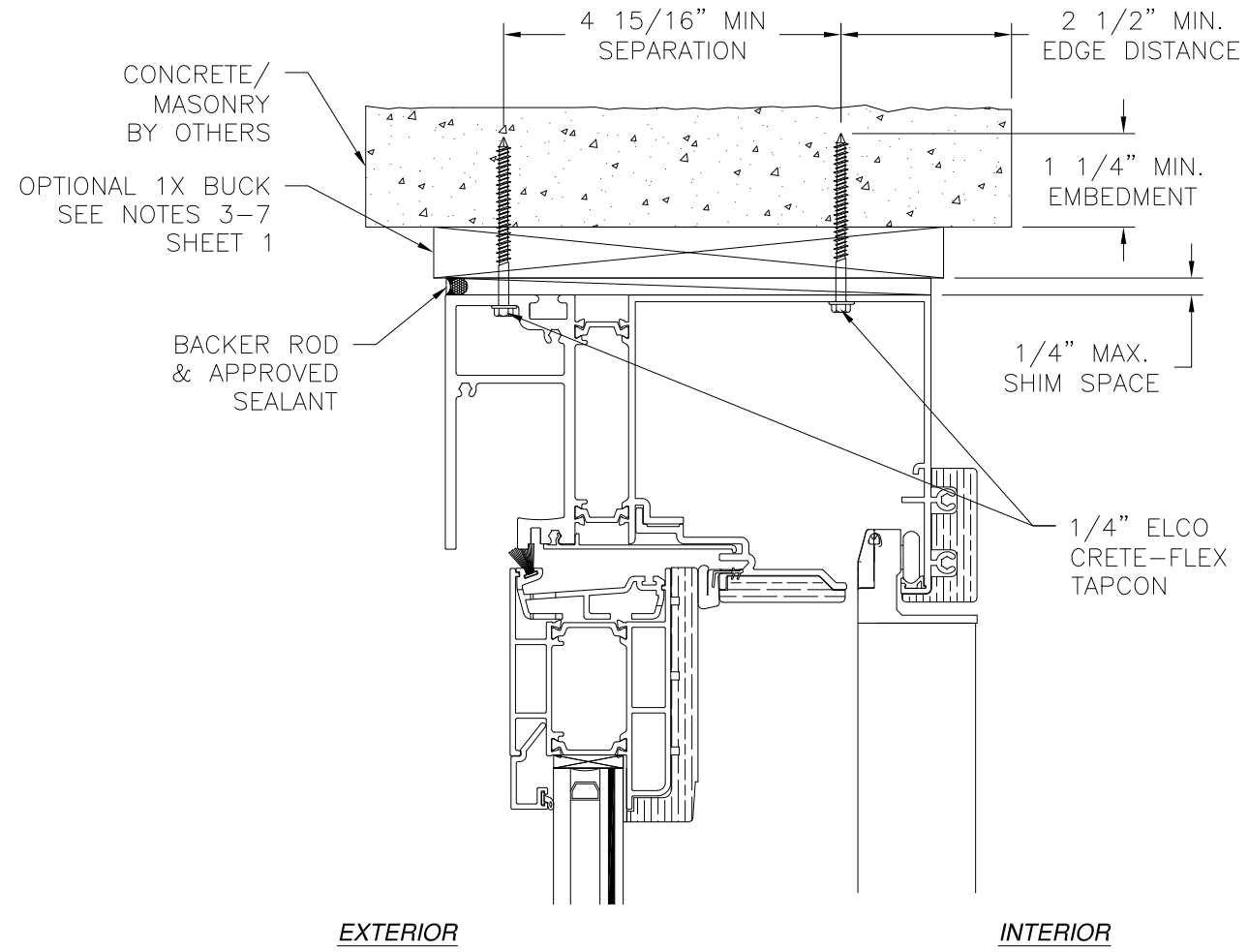
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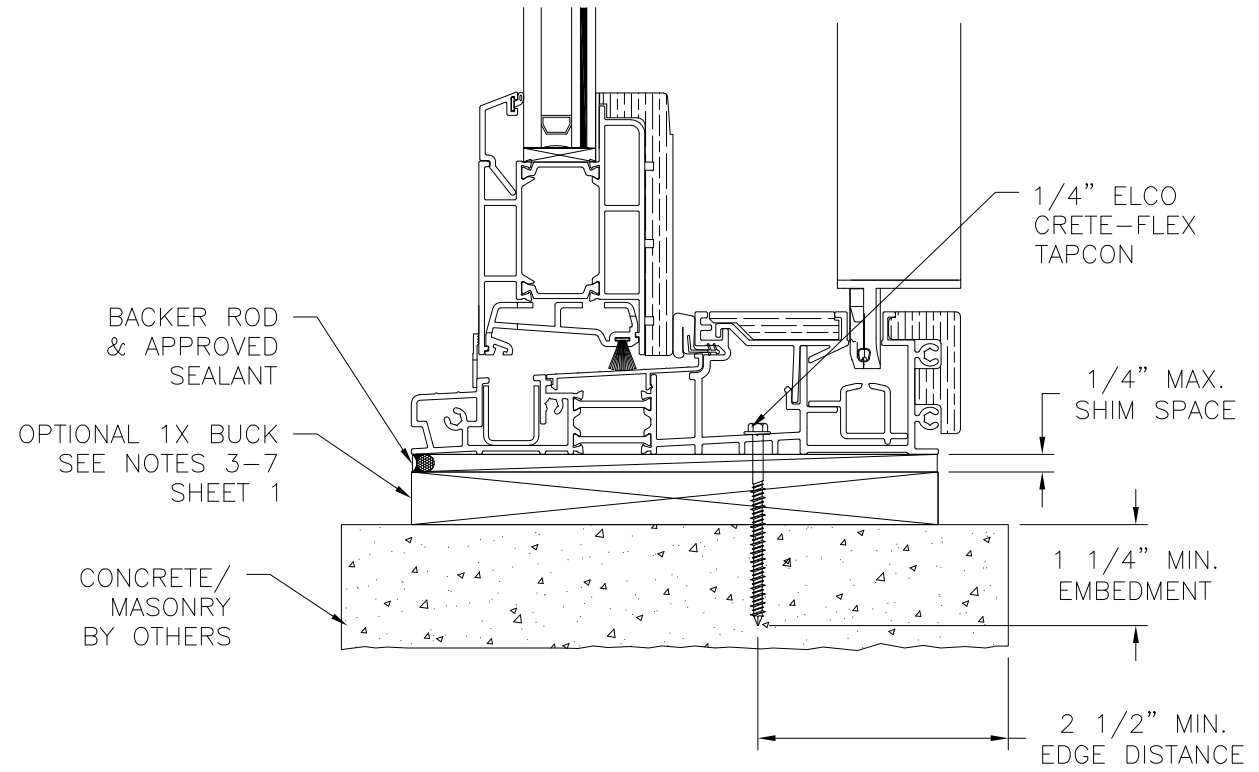


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**JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION**



**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**

- NOTES:**
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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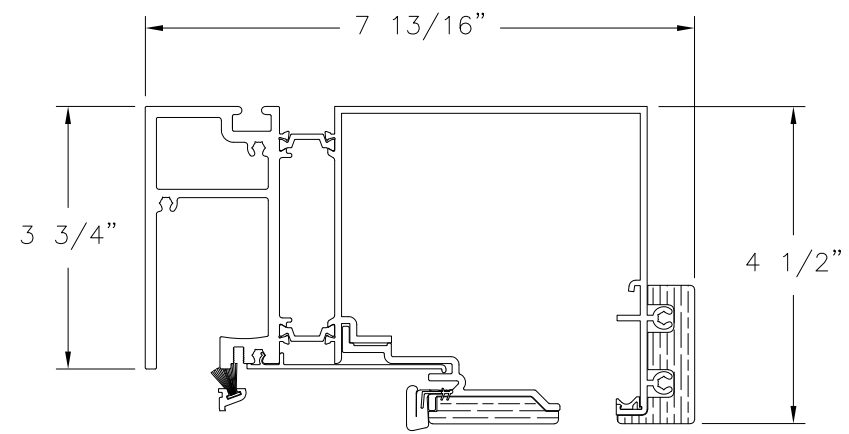
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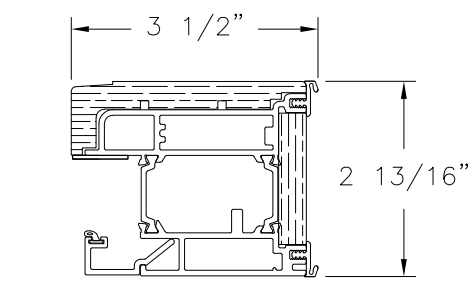


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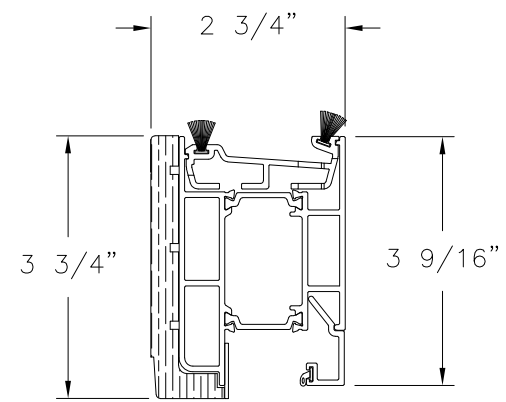
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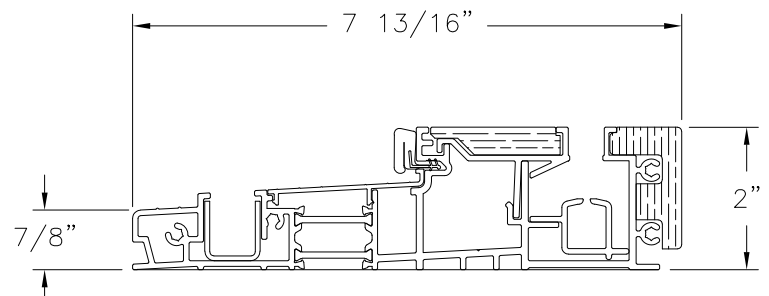
⑩ **HEAD**
ASSY-0637



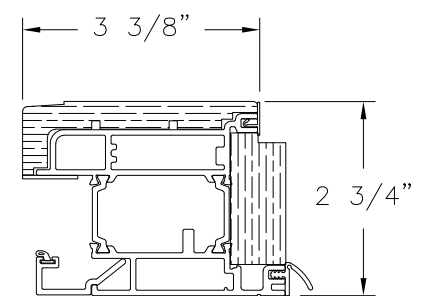
② **COMMON STILE**
ASSY-0813



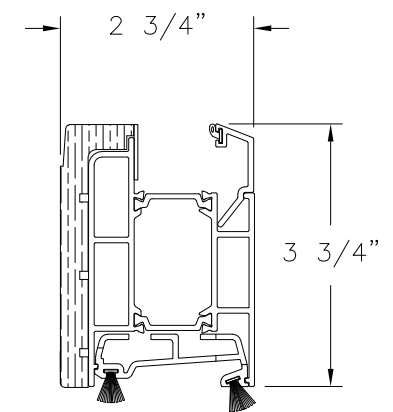
③ **TOP RAIL**
ASSY-0816



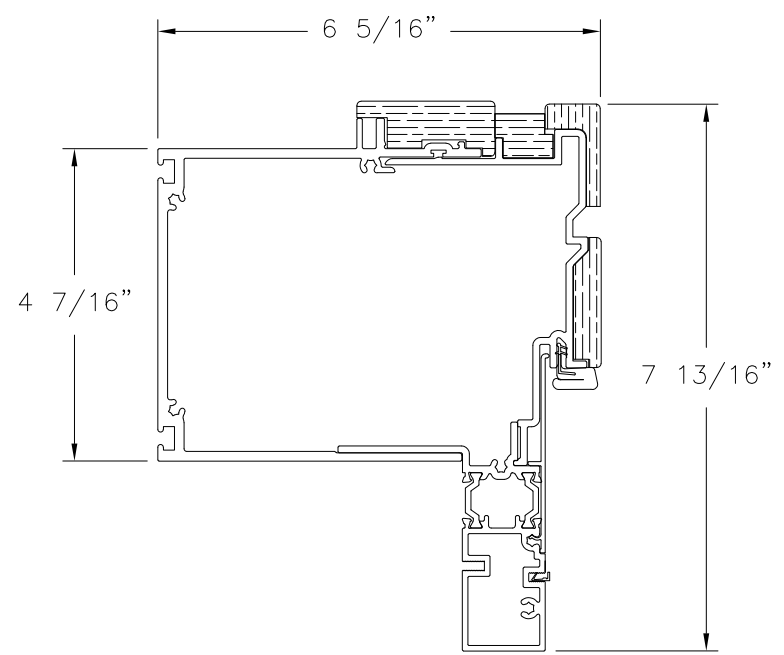
⑪ **SILL**
ASSY-0571



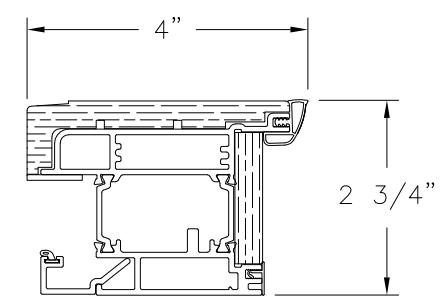
⑫ **STILE ACTIVE**
ASSY-0814



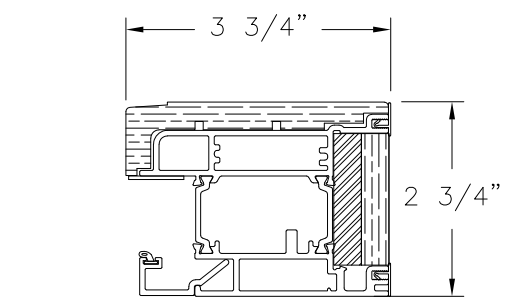
④ **BOTTOM RAIL**
ASSY-0817



① **INOPERABLE JAMB**
ASSY-0713



⑬ **STILE PASSIVE**
ASSY-0815



⑭ **JAMB STILE HURRICANE**
ASSY-0807

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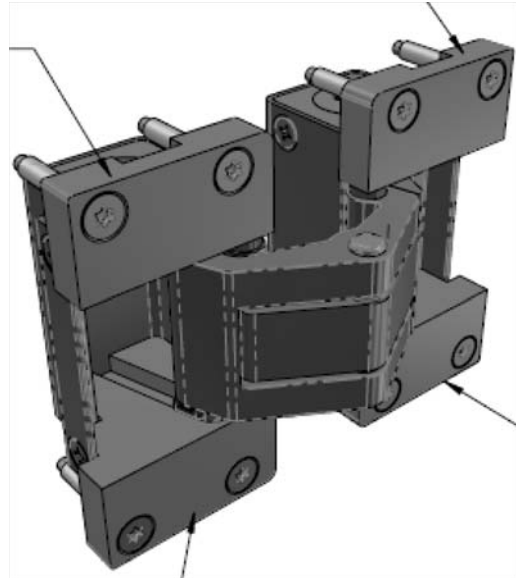
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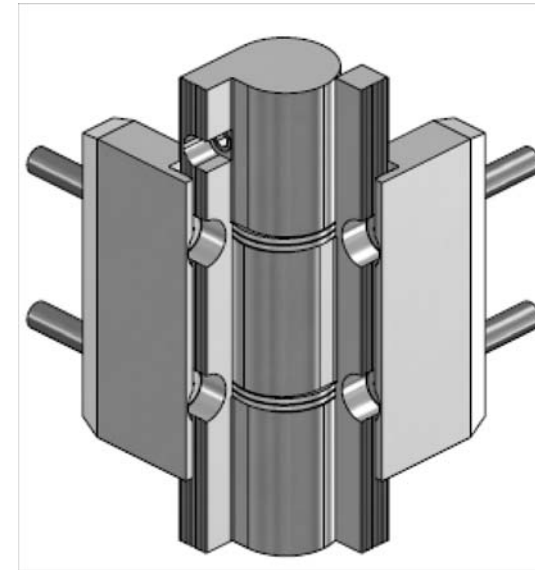
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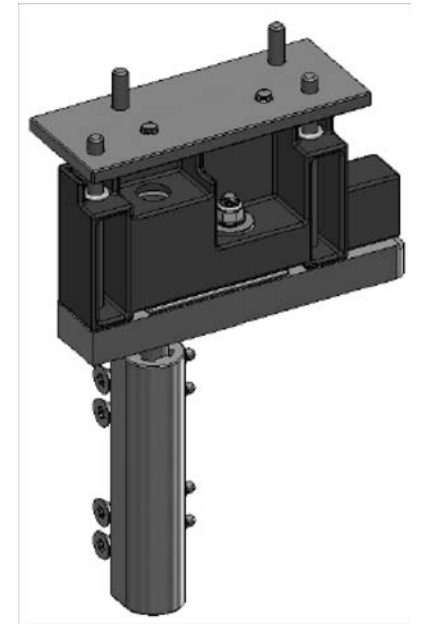
8 CONCEALED HINGE
ASSY-0560



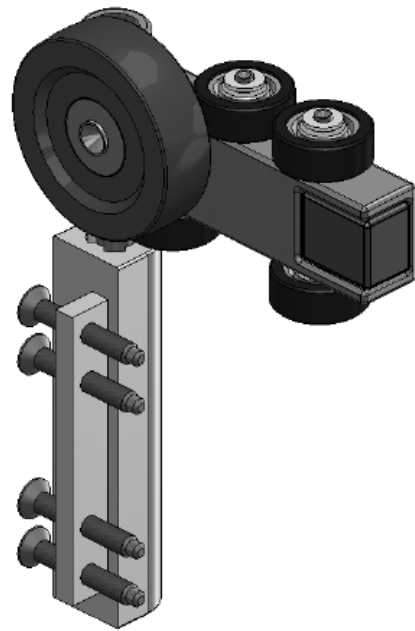
15 INTERMEDIATE CARRIER
ASSY-0618



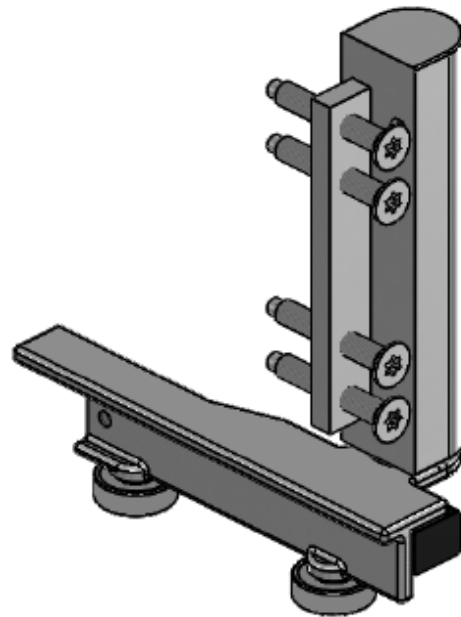
16 INTERMEDIATE HINGE
ASSY-0620



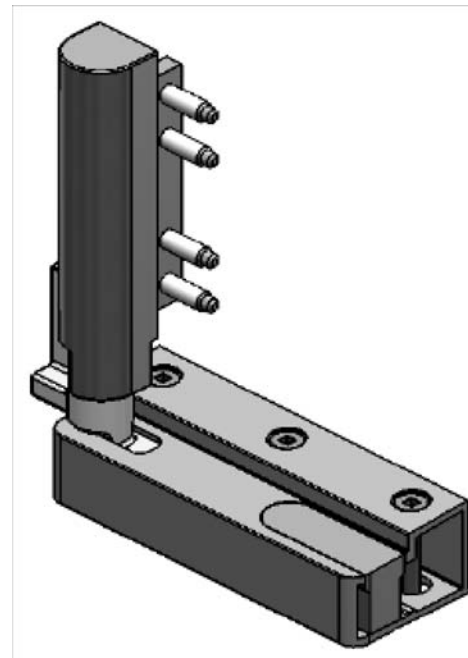
17 TOP PIVOT
ASSY-0331



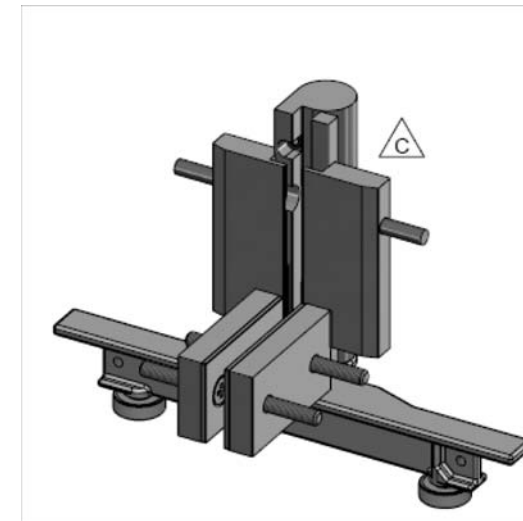
18 END CARRIER
ASSY-0332



19 BOTTOM GUIDE JAMB
ASSY-0626



20 BOTTOM LEFT PIVOT
ASSY-0565



21 INTERMEDIATE GUIDE
ASSY-0619

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