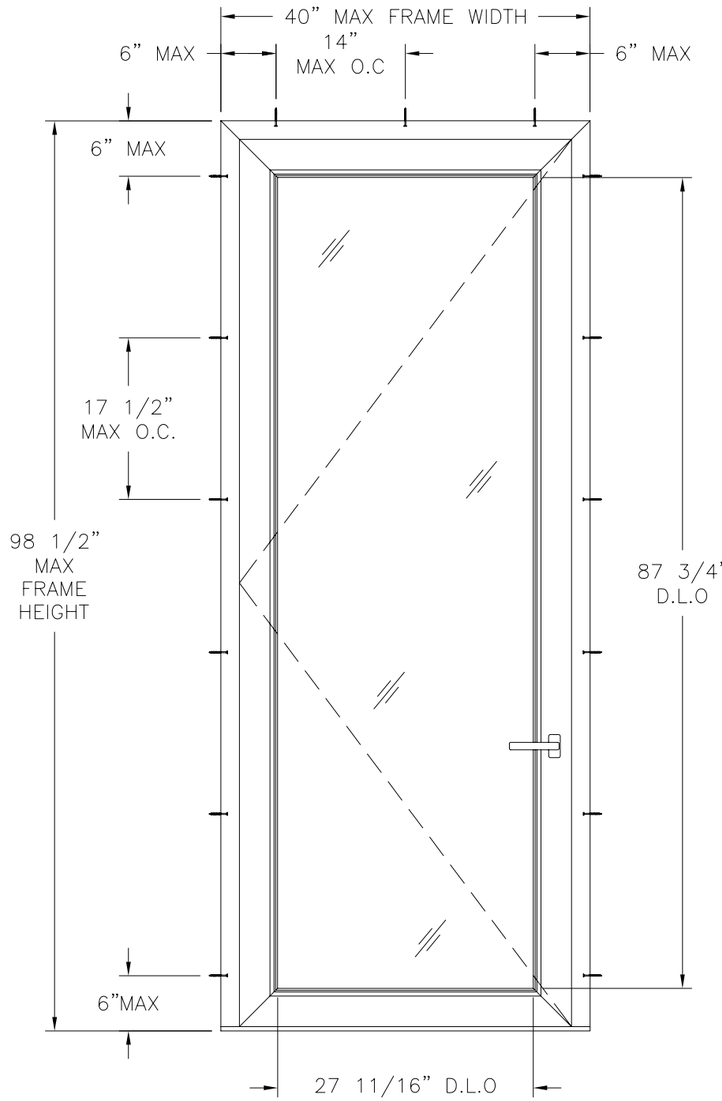

V-800 VINYL OUT SWING DOOR
EXTERIOR VIEW

DESIGN PRESSURE RATING	*IMPACT RATING*
±90PSF	*NONE*

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE IBC AND IRC WITH STATE OF TEXAS MODIFICATIONS.
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. 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.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: EXTRUDED RIGID PVC.
6. UNITS MUST BE GLAZED PER ASTM E1300–04, SEE SHEET 3 FOR GLASS OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" CONCRETE ANCHORS 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.
11. FOR ANCHORING INTO METAL STRUCTURE USE #14 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.
12. ALL FASTENERS TO BE CORROSION RESISTANT.
13. 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 3,192 PSI.
    C. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).
    D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063–T5 1/8" THICK MINIMUM

SIGNED: 09/06/2012

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1 – 2	ELEVATION, ANCHORING, NOTES & CROSS SECTIONS
3 – 4	INSTALLATION DETAILS
5	HARDWARE LOCATIONS AND COMPONENTS

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V–800 VINYL OUT SWING DOOR
WITH STANDARD AND LOW PROFILE SILLS
ELEVATION AND NOTES

DRAWN:	DWG NO.	REV
V.L.	08–01768	–

SCALE	DATE	SHEET
NTS	08/27/12	1 OF 7

STATE OF TEXAS
LUIS R. LOMAS
101889
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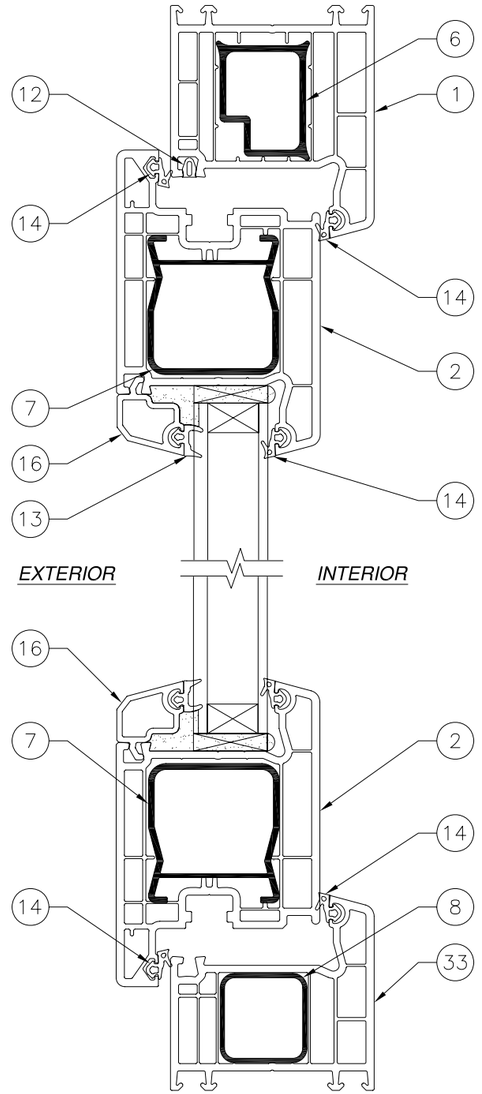
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.
TX No.: 101889

PARTS LIST

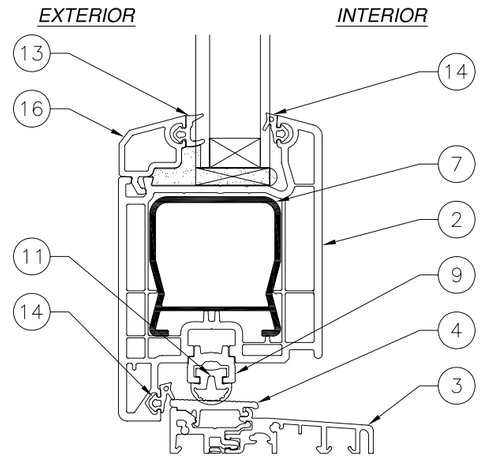
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	101.214	80MM TALL MAIN FRAME	VEKA	PVC
2	103.242	105MM TALL OUTSWING SASH FRAME	VEKA	PVC
3	104.202	LOW PROFILE SILL ASSEMBLY	VEKA	PVC
4	104.428	LOW PROFILE SILL COVER	VEKA	PVC
5	101.208	67MM TALL FRAME (REGULAR SILL)	VEKA	PVC
6	FH-07295	FRAME REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
7	FH-07296	SASH REINFORCEMENT	KEYMARK	6005-T6
8	FH-06606	STANDAR SILL REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
9	104.129	GASKET RECEIVER	VEKA	PVC
10	AP299	1/4" HINGED SCREW COVER PVC	ARK-PLASTICS	PVC
11	112.026	GASKET	VEKA	
12	112.380	FRAME POCKET FILLER	VEKA	EPDM 60 DURO
13	112.050	GLAZING GASKET	VEKA	EPDM 60 DURO
14	112.253	GLAZING GASKET	VEKA	EPDM 60 DURO
15	FH06512	FRAME REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
16	107.200	1" GLASS STOP	VEKA	PVC
17	00598N	ROTO PS 27 DOOR HINGE	ROTO	
18	3672216	COVER PLATE	FUHR	ALUMINUM 6063-T6
19	02472-410	DOOR HANDLE	HOPPE	
20	3683679	MIDDLE EXTENSION HOOK	FUHR	
21	8787247	TOP EXTENSION HOOK	FUHR	
22	3683556	GEAR	FUHR	
23	3683661	SWING HOOK STRIKE	FUHR	
24	3583002	LATCH & DEADBOLT STRIKE	FUHR	
25	3434373	SHOOTBOLT STRIKE	FUHR	
26	3683644	UNDERPLATE	FUHR	
27	3683652	UNDERPLATE	FUHR	
28		#10 X 3/4" PH SCREW		
29		#10 X 1 1/2" PH SCREW		
30		#10 X 2" FH SCREW		
31	01-100-7755-002	SETTING BLOCK	FRANK LOWE	
32	SIKA 552	SILICONE SEALANT	SIKA	
33		FRAME SILL	VEKA	PVC



VERTICAL CROSS SECTION
STANDARD SILL

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
LOW PROFILE SILL

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CROSS SECTIONS & B.O.M.

DRAWN:	DWG NO.	REV
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SCALE NTS	DATE 08/27/12	SHEET 2 OF 7

STATE OF TEXAS
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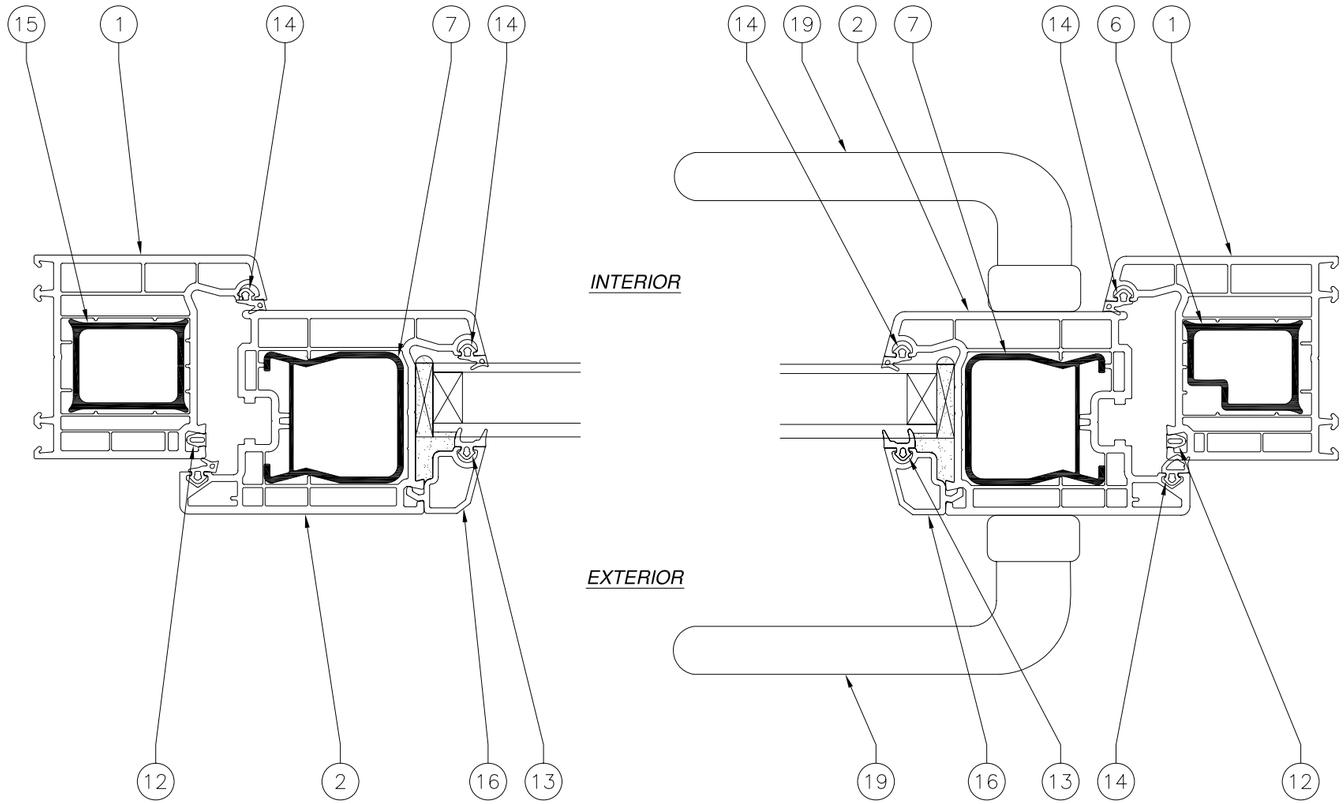

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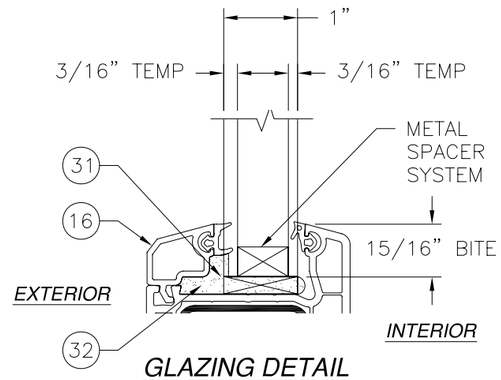

GLAZING DETAIL

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REVISIONS			
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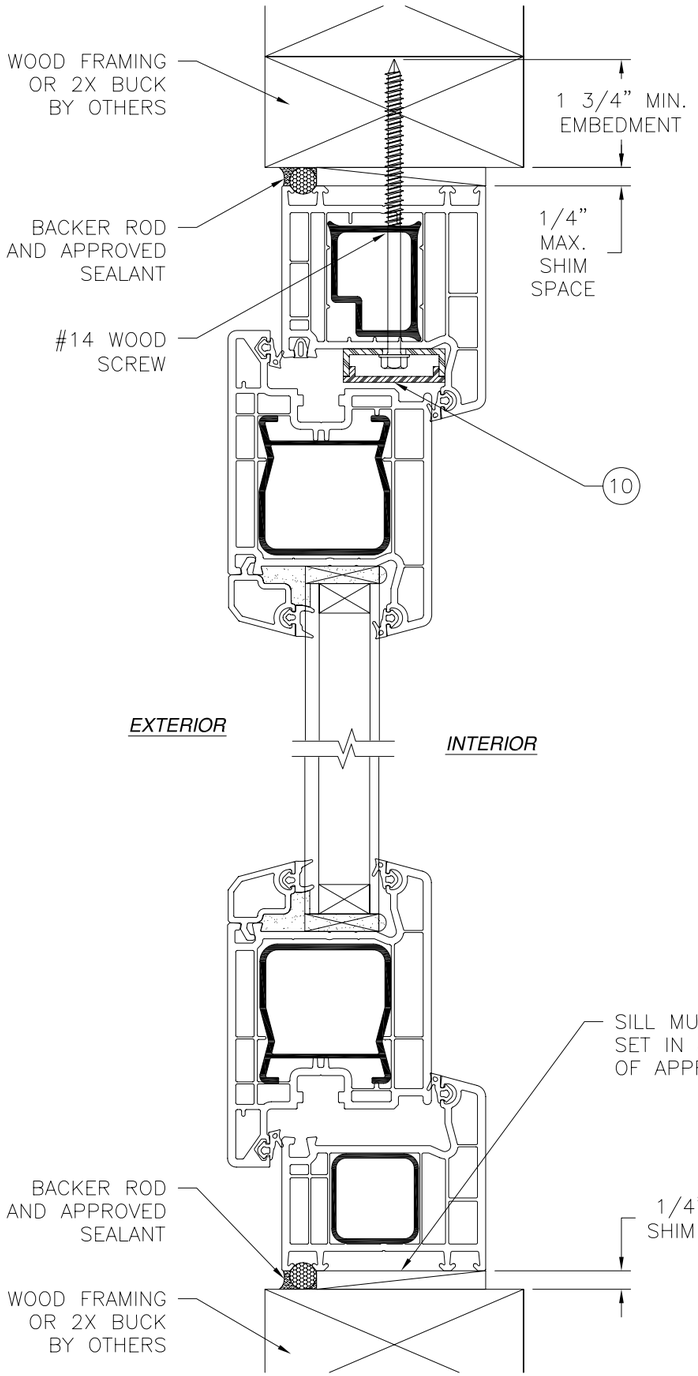
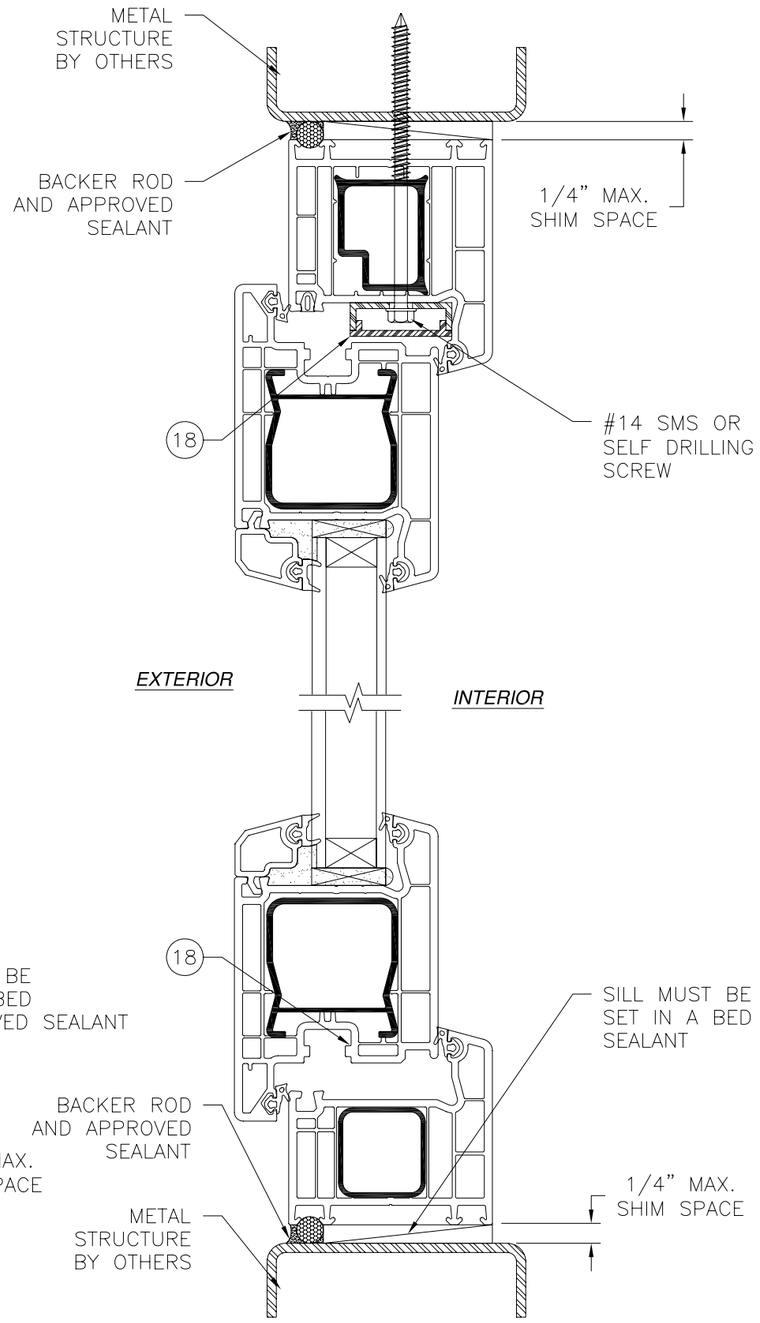
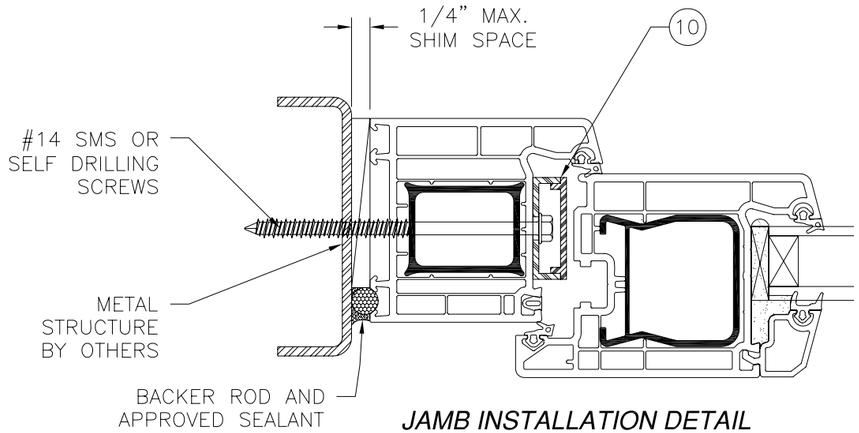


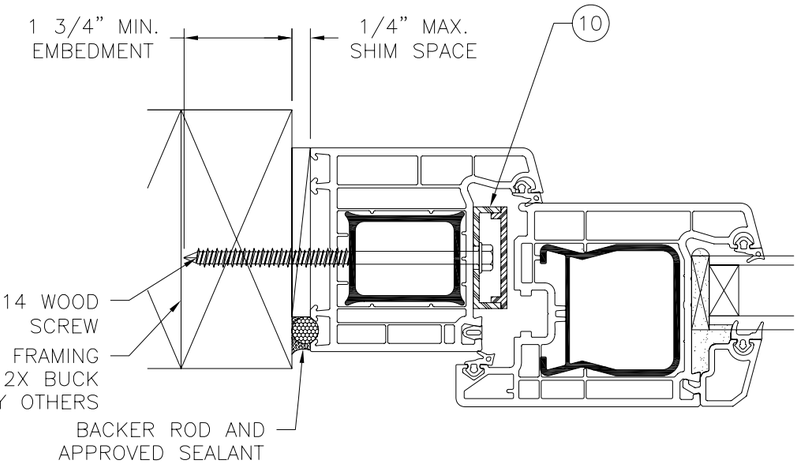
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:
- SEALANT AND BACKER ROD MATERIAL AND JOINT DESIGN BY OTHERS.
- INTERIOR AND EXTERIOR FINISHES BY OTHERS OMITTED FOR CLARITY.

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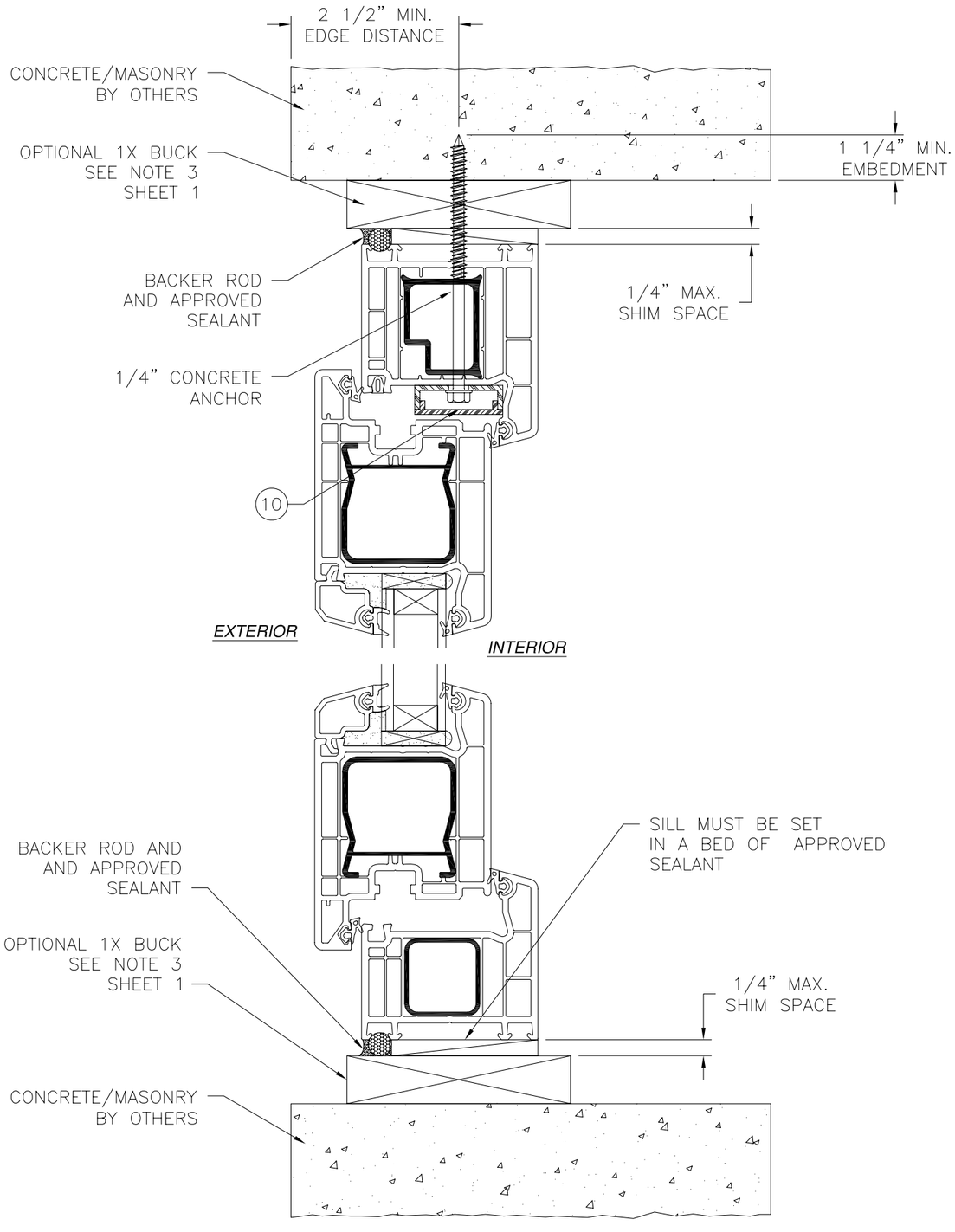
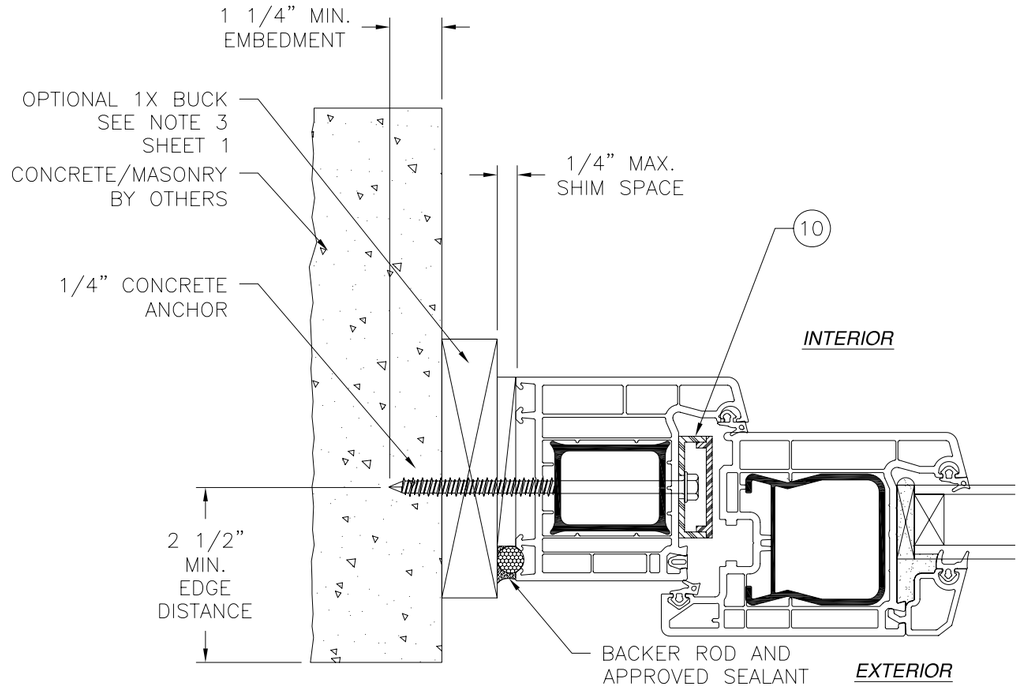


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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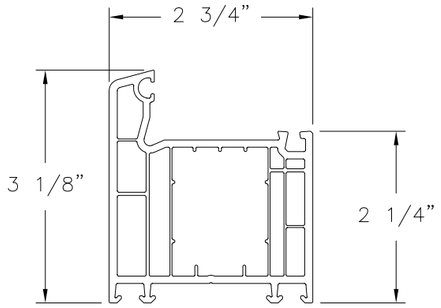
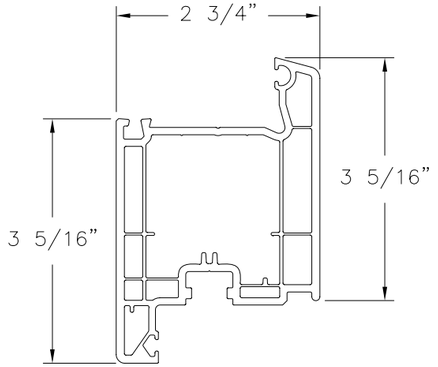
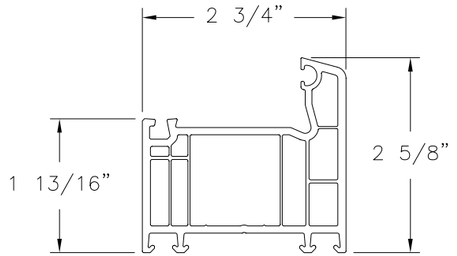


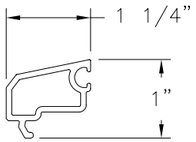
1 **FRAME**
RIGID PVC .110" THICK



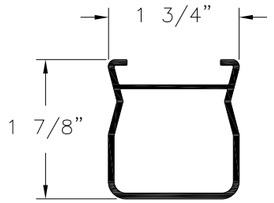
2 **SASH**
RIGID PVC .110" THICK



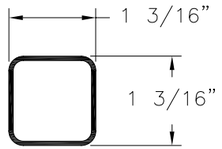
33 **FRAME SILL**
RIGID PVC .110" THICK



16 **GLAZING BEAD**
RIGID PVC .075" THICK



7 **REINFORCEMENT**
ALUMINUM 6005-T61 .080" THICK



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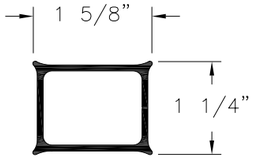

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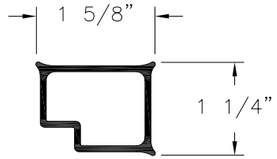
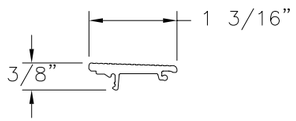
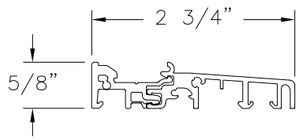
ALUMINUM 6005-T61 .080" THICK



6 **REINFORCEMENT**
ALUMINUM 6005-T61 .080" THICK



4 **SILL COVER**
ALUMINUM 6063-T5 .118" THICK



3 **SILL ASSEMBLY**
ALUMINUM 6063-T5 .077" THICK.

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HARDWARE LOCATIONS AND COMPONENTS

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SCALE NTS	DATE 08/27/12	SHEET 6 OF 7

Luis R. Lomas P.E.
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REVISIONS			
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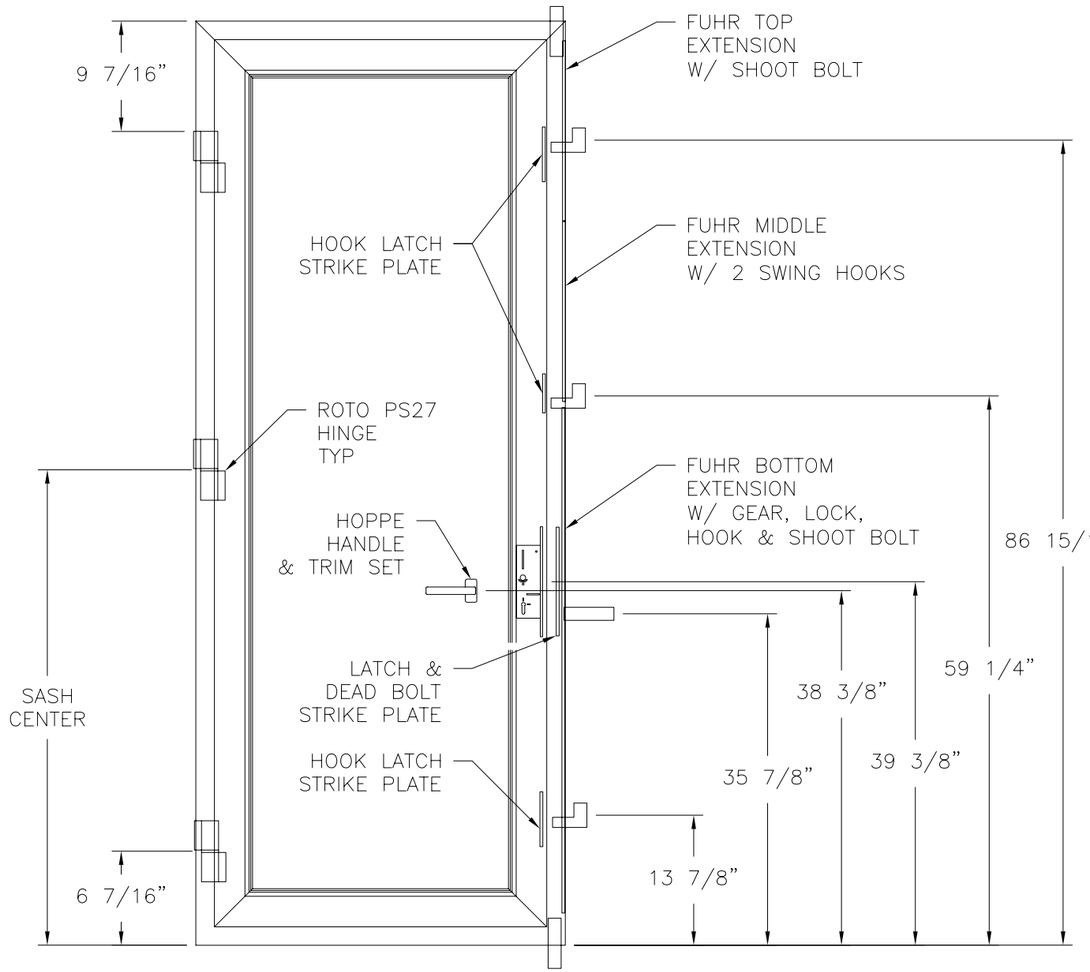
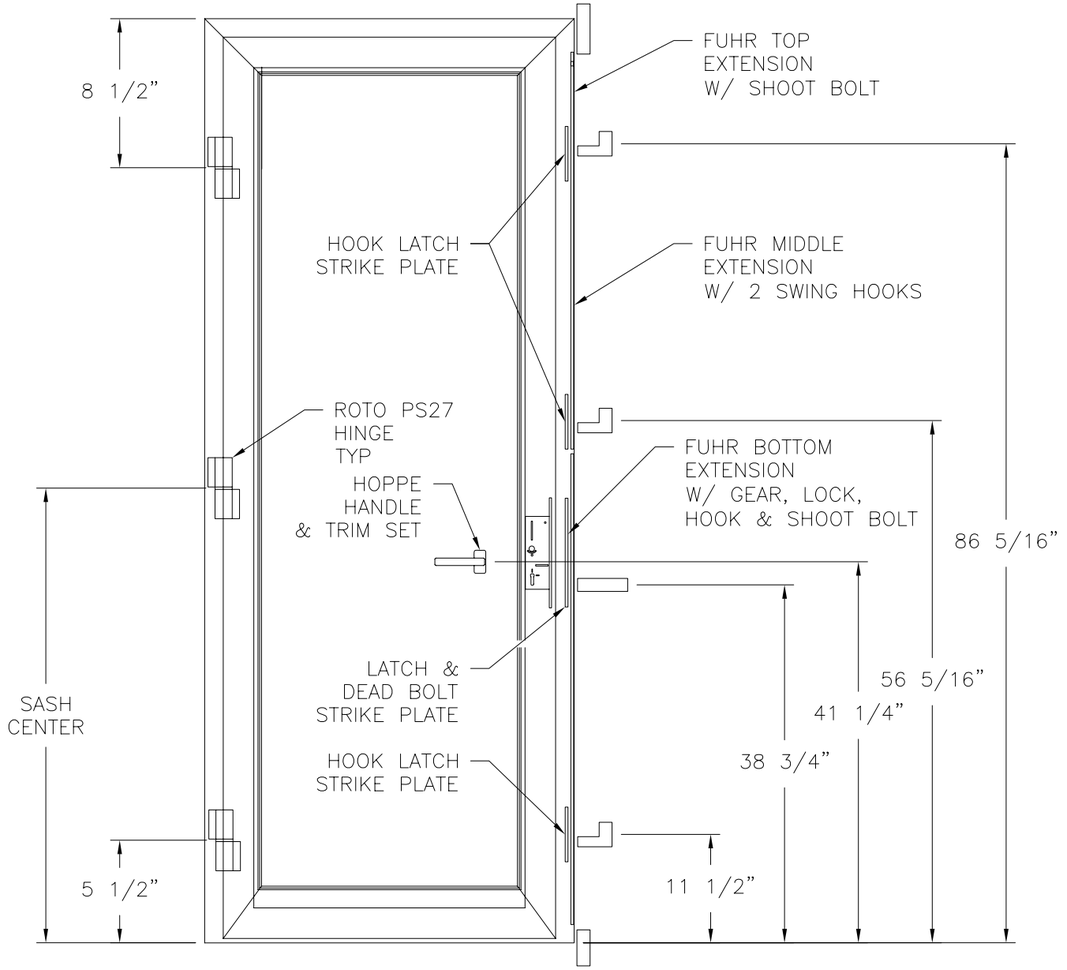


HARDWARE LAYOUT
STANDARD SILL



HARDWARE LAYOUT
LOW PROFILE SILL

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