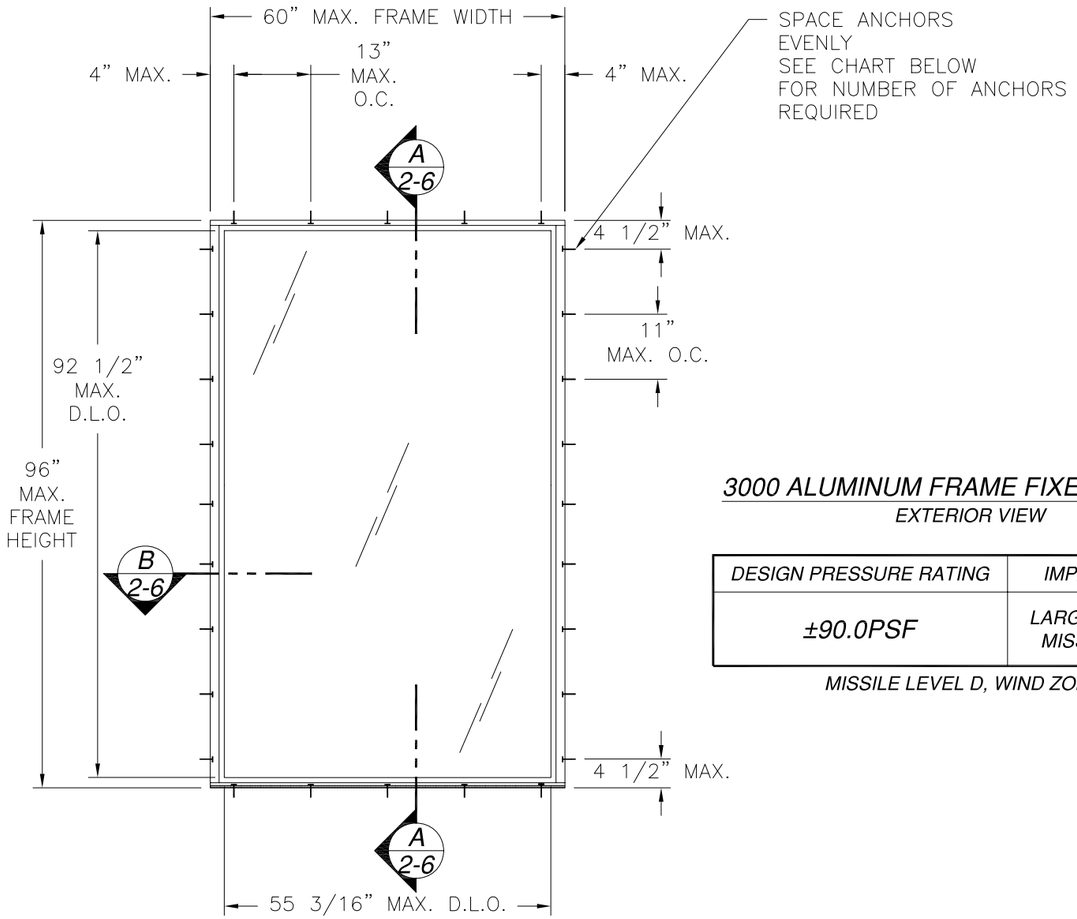

3000 ALUMINUM FRAME FIXED WINDOW

EXTERIOR VIEW

DESIGN PRESSURE RATING	*IMPACT RATING*
±90.0PSF	*LARGE AND SMALL MISSILE IMPACT*

MISSILE LEVEL D, WIND ZONE 4

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE THE RESIDENTIAL CODE WITH STATE OF THE 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: ALUMINUM 6063–T6.
6) UNITS MUST BE GLAZED PER ASTM E1300–04 SEE SHEET 2 FOR GLAZING OPTIONS.
7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT 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 MASONRY/CONCRETE USE 1/4" ITW TAPCON 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.
10) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11) FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS MINIMUM GRADE 5 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 16GA, 33KSI OR ALUMINUM 6063–T5 1/8" THICK MINIMUM

Number of anchor locations required

Frame Height (in)	Frame width (in)													
	24.00		*30.00*		*36.00*		*42.00*		*48.00*		*54.00*		*60.00*	
	H&S	*Jamb*	*H&S*	*Jamb*	*H&S*	*Jamb*	*H&S*	*Jamb*	*H&S*	*Jamb*	*H&S*	*Jamb*	*H&S*	*Jamb*
24.00	3	3	3	3	4	3	4	3	5	3	5	3	5	3
36.00	3	4	3	4	4	4	4	4	5	4	5	4	5	4
48.00	3	5	3	5	4	5	4	5	5	5	5	5	5	5
60.00	3	6	3	6	4	6	4	6	5	6	5	6	5	6
72.00	3	7	3	7	4	7	4	7	5	7	5	7	5	7
84.00	3	7	3	7	4	7	4	7	5	7	5	7	5	7
96.00	3	8	3	8	4	8	4	8	5	8	5	8	5	8

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	B.O.M., CROSS SECTIONS & GLAZING DETAILS
3 – 6	INSTALLATION DETAILS
7	COMPONENTS

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ELEVATION AND NOTES

DRAWN:	DWG NO.	REV
N.G.	08–01981	–

SCALE	DATE	SHEET
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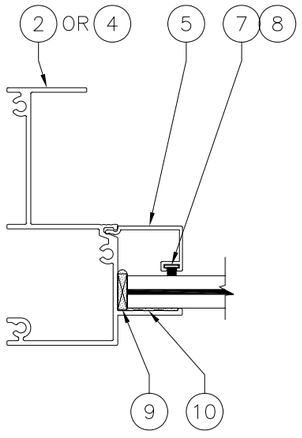
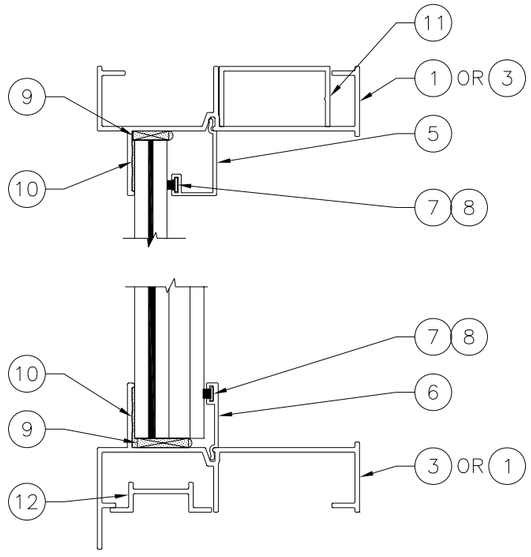
PARTS LIST

NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-06612	FRAME HEAD AND SILL EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
2	FS-06614	FRAME JAMB EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
3	FS-06661	FRAME HEAD AND SILL FLANGE	KEYMARK	ALUMINUM 6063-T6
4	FS-06663	FRAME JAMB FLANGE	KEYMARK	ALUMINUM 6063-T6
5	FS-06667	7/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
6	FS-06619	1" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
7	122001	.187X.220 FINSEAL	ULTRAFAB	
8	122002	.187X.240 FINSEAL	ULTRAFAB	
9	121104	SETTING BLOCK	FRANK LOWE	85 DURO SHORE A
10	C4000-91-351AX	PURFECT GLAZE HOTMELT COMPOUND	HENKEL AMERICAS	
11	FS-06671	HEAD FILLER	KEYMARK	ALUMINUM 6063-T6
12	FS-5910	SILL RETAINER	KEYMARK	ALUMINUM 6063-T6
13	FS-07419	FRAME EQUAL LEG W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6
14	FS-07418	FRAME FLANGE W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6



B/2 HORIZONTAL CROSS SECTION



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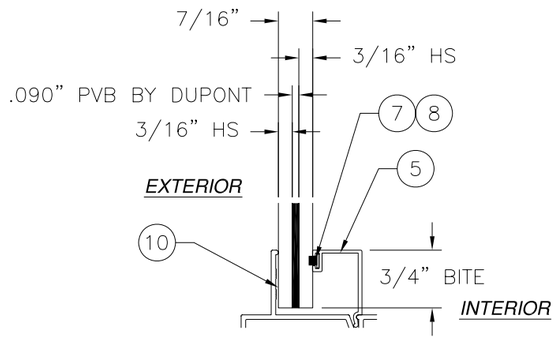

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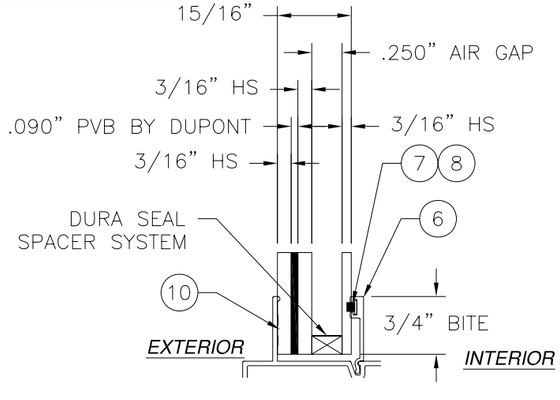

GLAZING "B"

REVISIONS			
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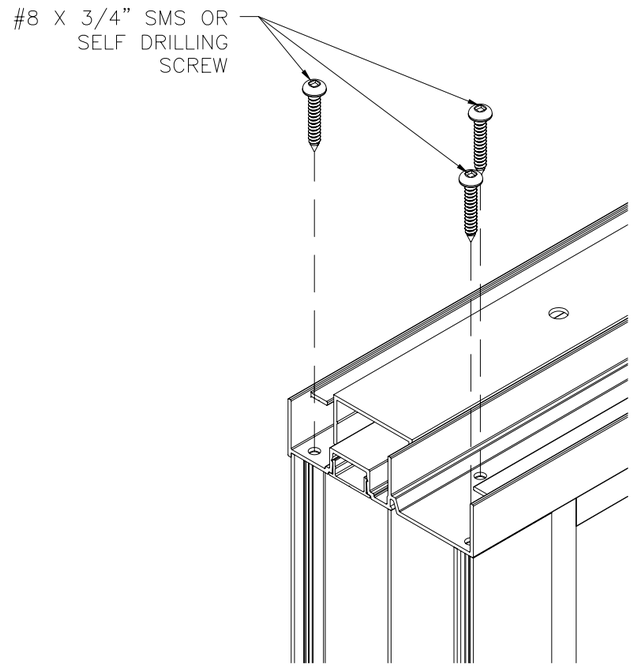

CORNER DETAIL

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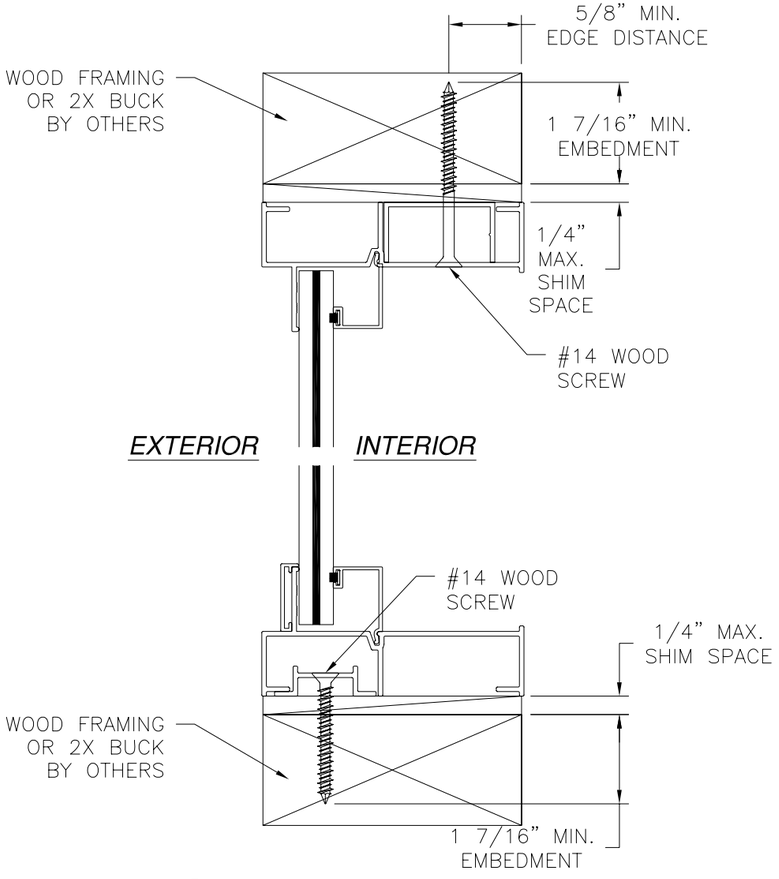
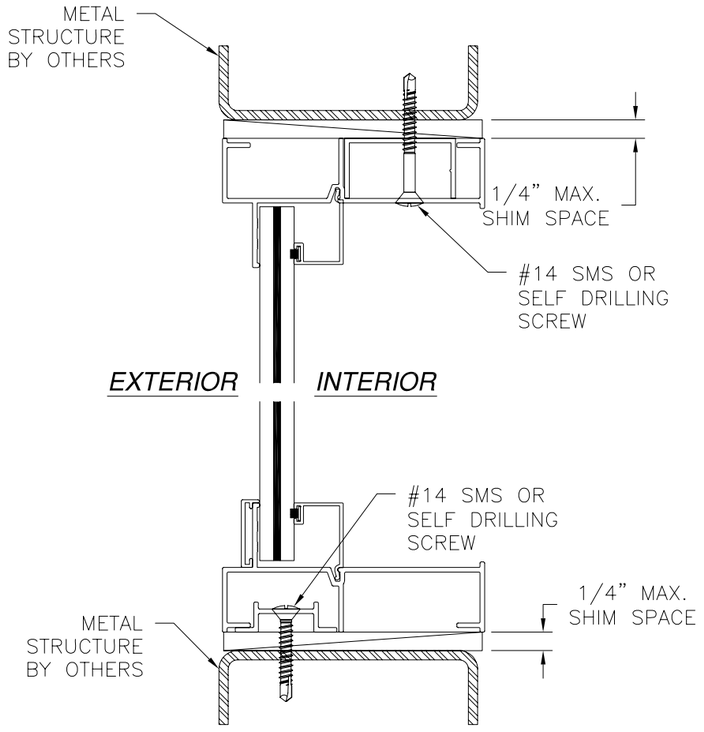


A/3 *VERTICAL CROSS SECTION*
WOOD FRAMING OR 2X BUCK INSTALLATION



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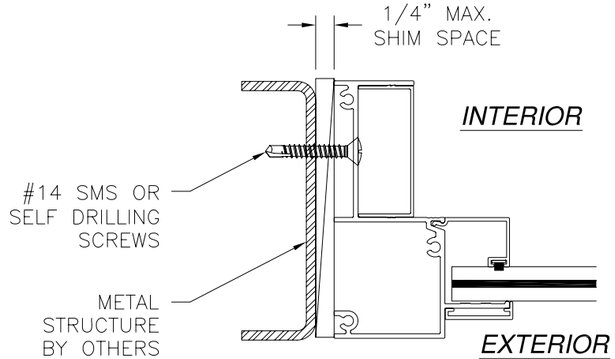

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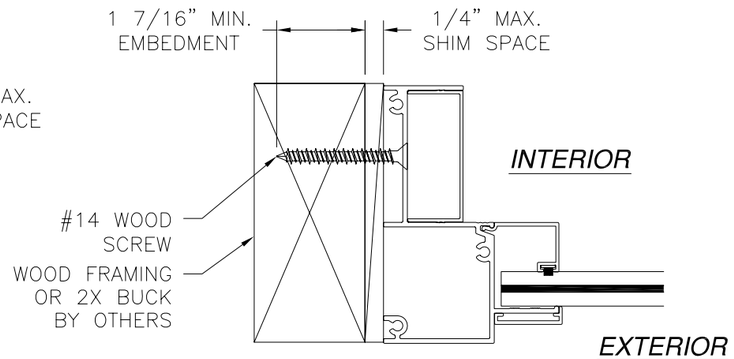
METAL STRUCTURE INSTALLATION



B/3 *JAMB INSTALLATION DETAIL*
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE: - SEALANT AND BACKER ROD MATERIAL AND JOINT DESIGN BY OTHERS.
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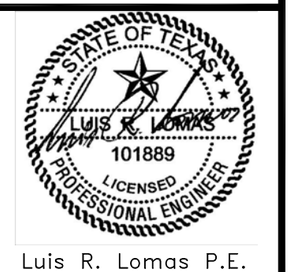

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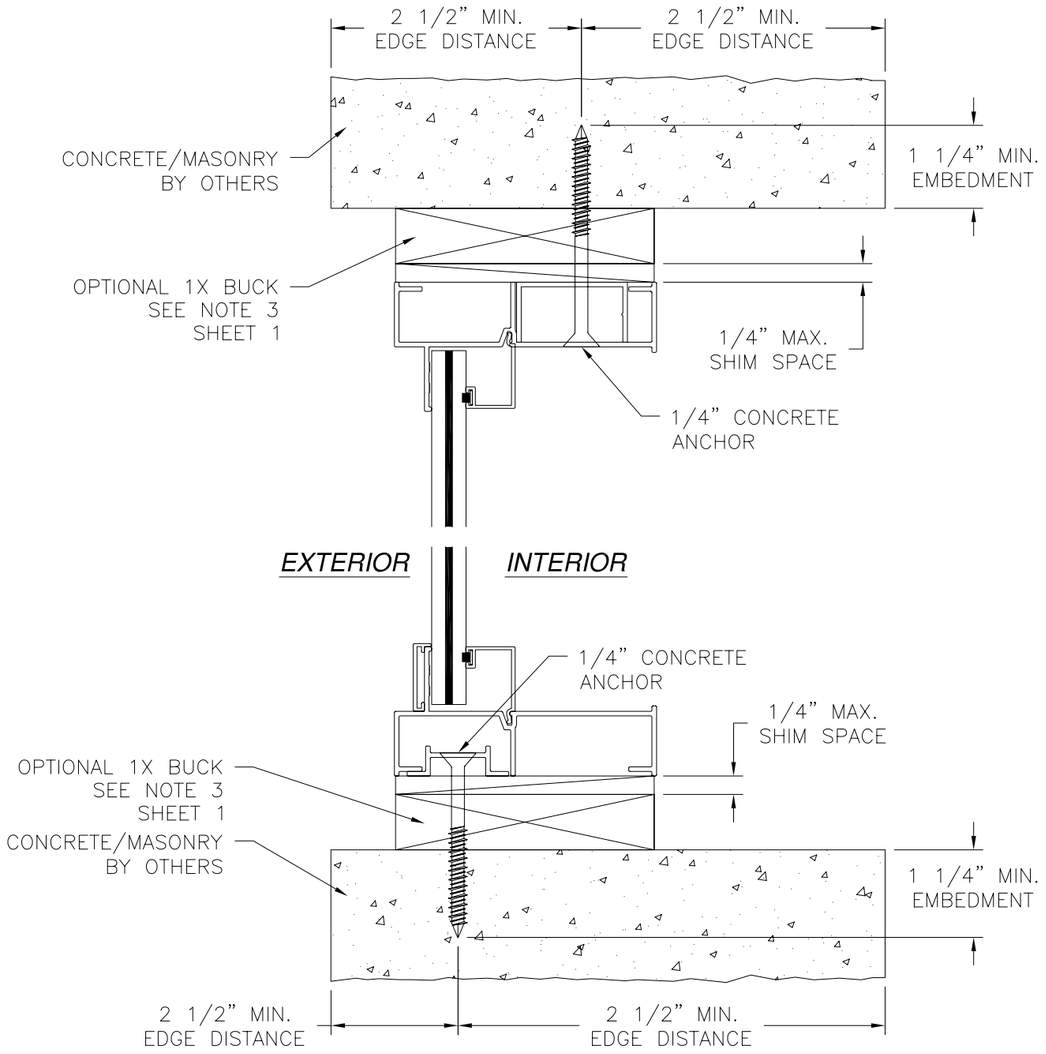

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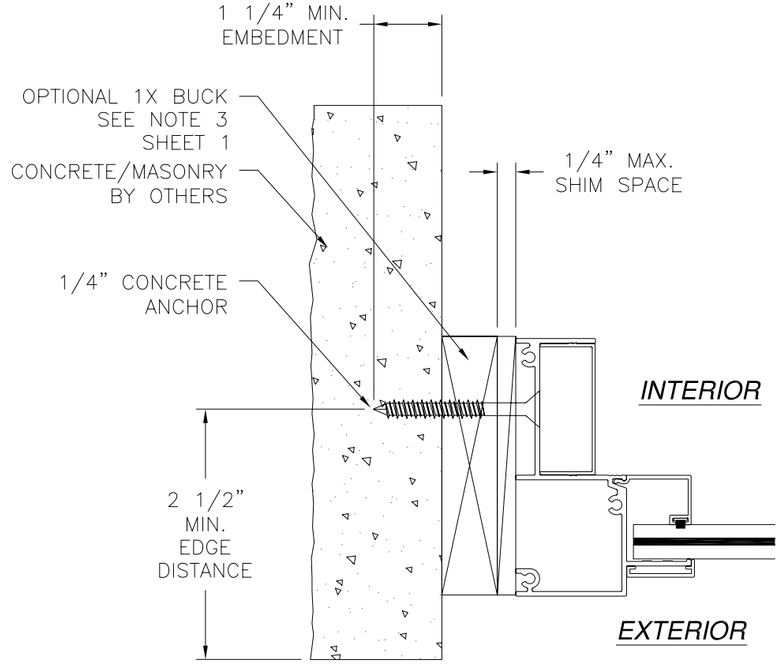

B/4 *JAMB INSTALLATION DETAIL*
CONCRETE/MASONRY INSTALLATION

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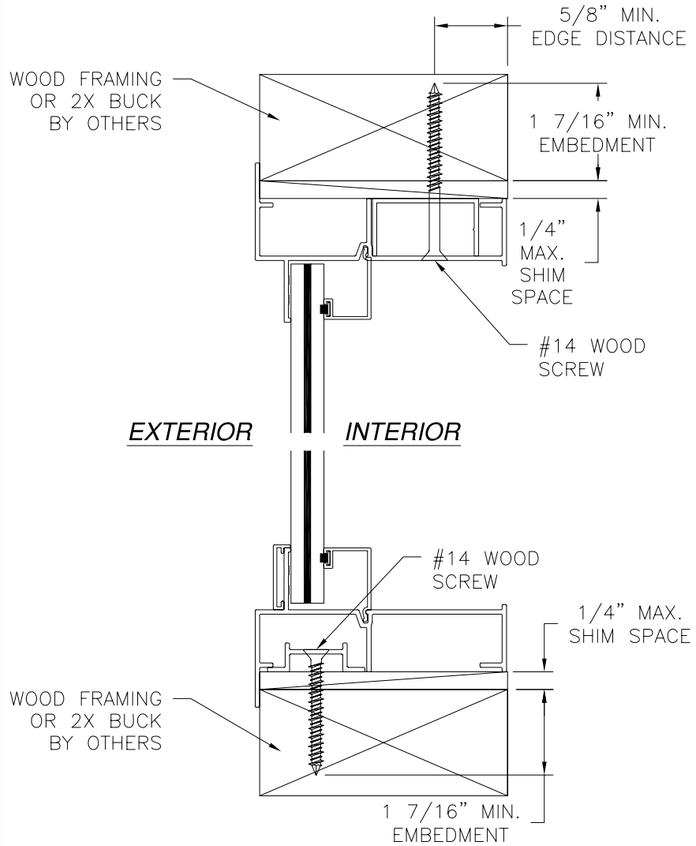
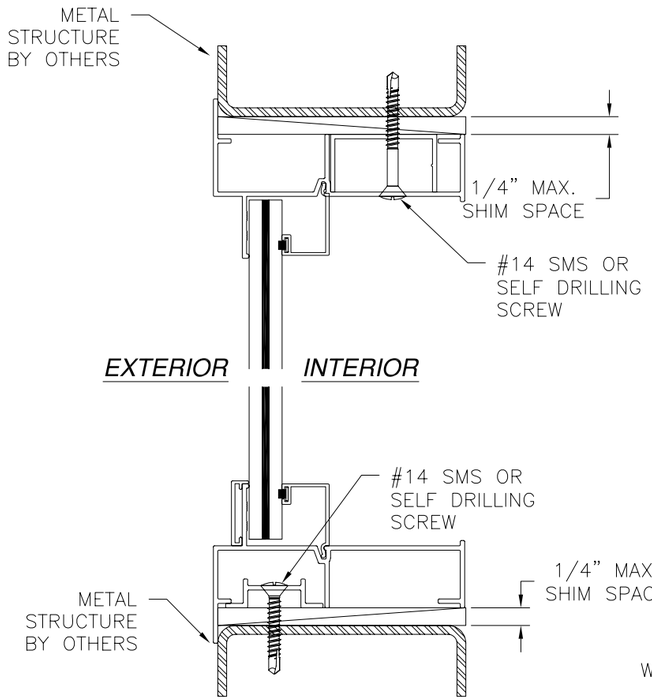


A/5 *VERTICAL CROSS SECTION*
WOOD FRAMING OR 2X BUCK INSTALLATION



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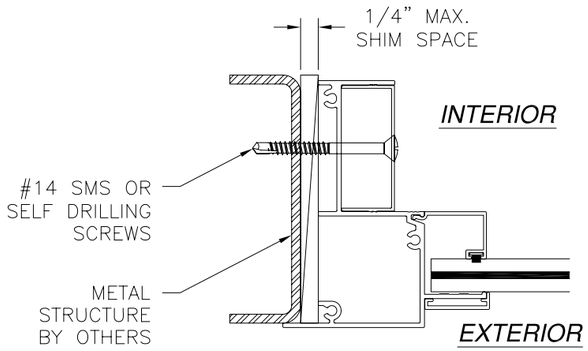

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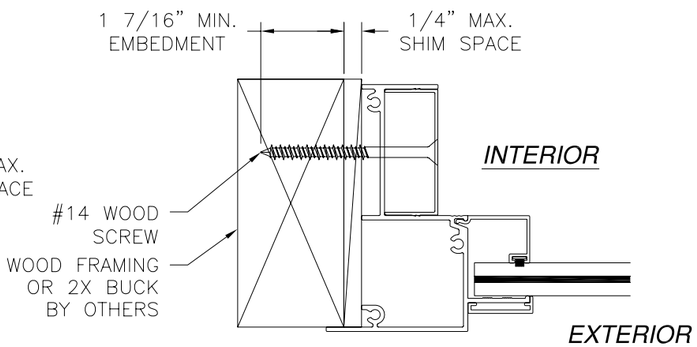

B/5 *JAMB INSTALLATION DETAIL*
WOOD FRAMING OR 2X BUCK INSTALLATION

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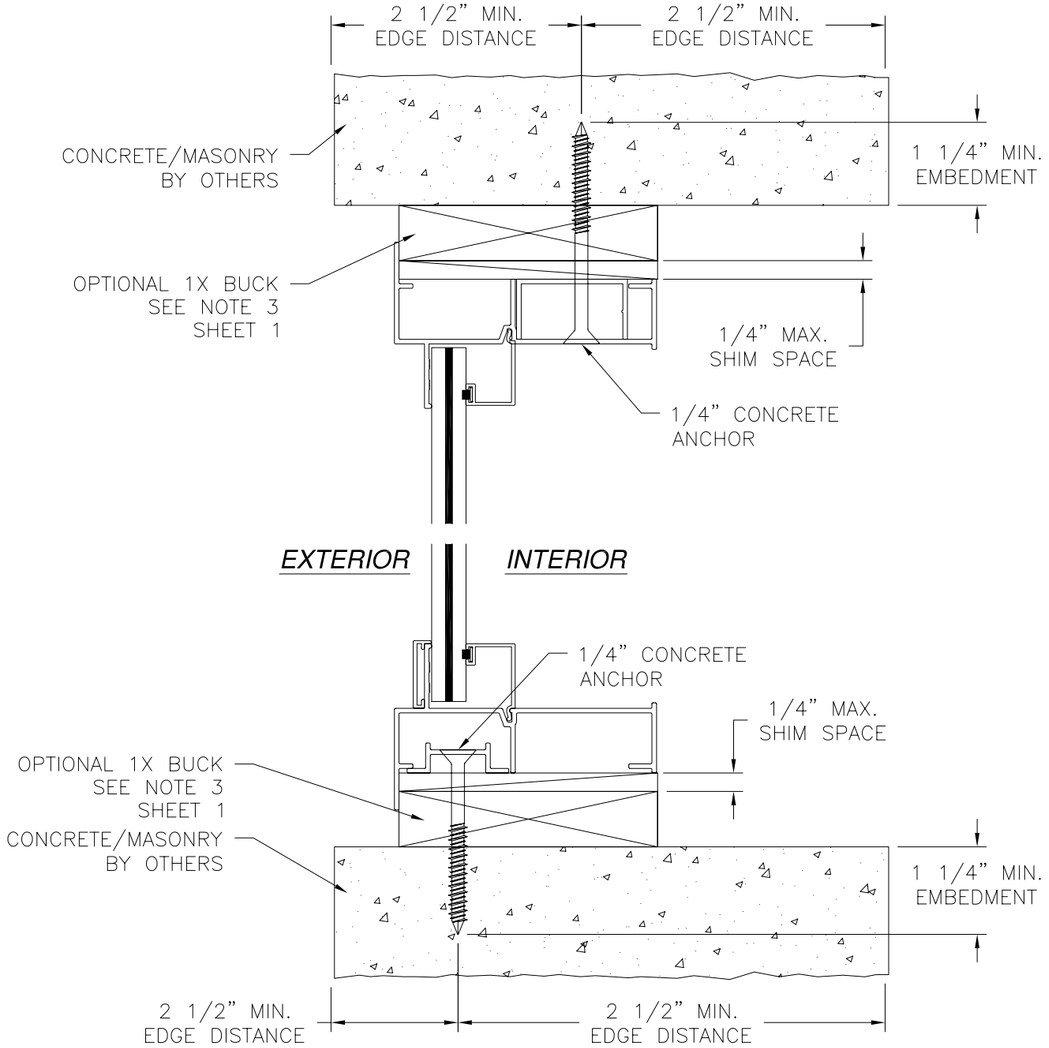

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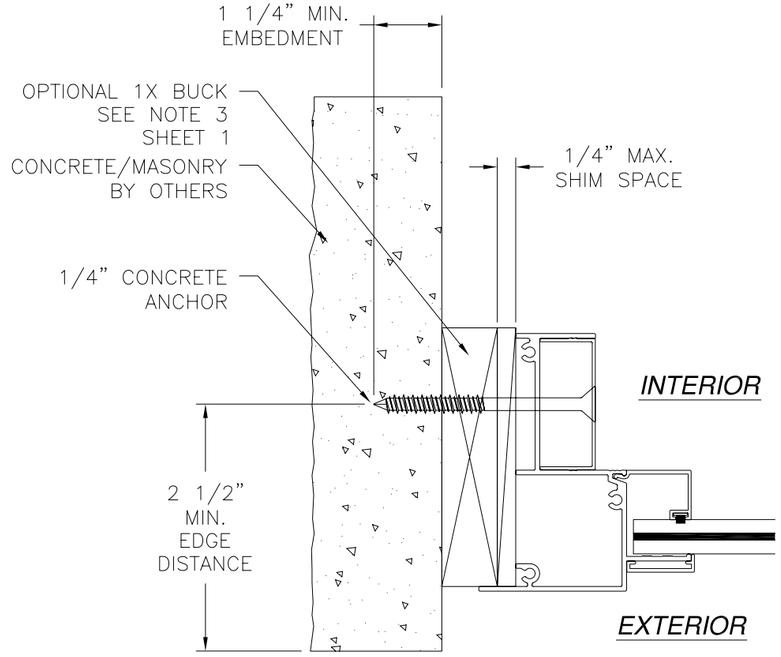

B 6 *JAMB INSTALLATION DETAIL*
CONCRETE/MASONRY INSTALLATION

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FLANGE INSTALLATION DETAILS

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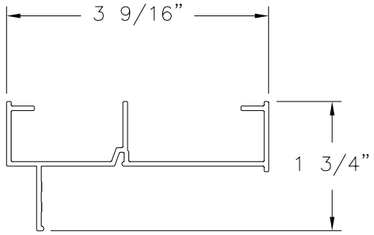

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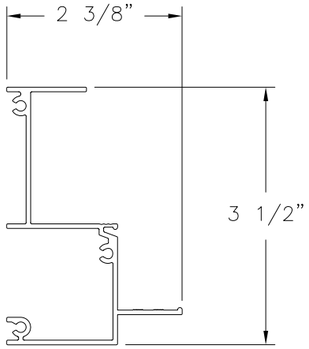
ALUMINUM 6063-T6 .063 THICK



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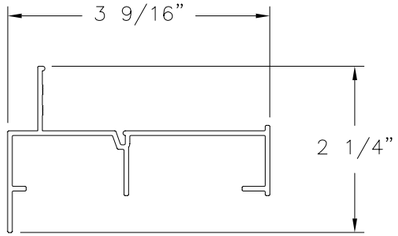

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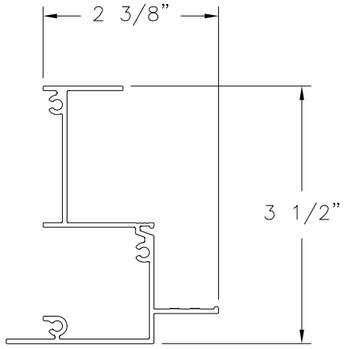

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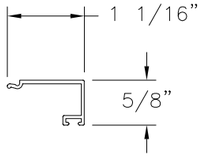
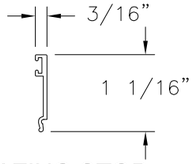


5 *GLAZING STOP*
ALUMINUM 6063-T6 .063 THICK



6 *GLAZING STOP*
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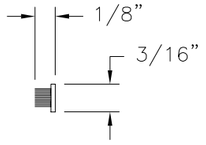
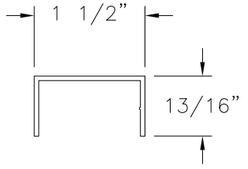
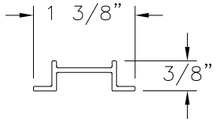


7 8 *ULTRAFAB FINSEAL*
PLASTIC



11 *HEAD FILLER*
ALUMINUM 6063-T6 .063 THICK



12 *SILL RETAINER*
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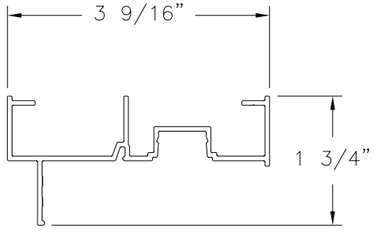

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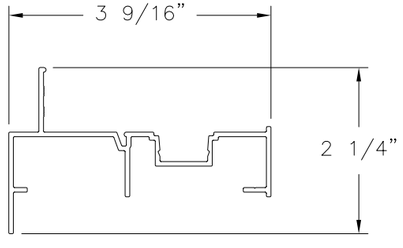

14 *FRAME W/ CHANNEL*
ALUMINUM 6063-T6 .063 THICK

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