REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE THE RESIDENTIAL BUILDING CODE 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: ALUMINUM 6063–T6
6. UNITS MUST BE GLAZED PER ASTM E1300–04, SEE SHEET 3 FOR GLASS 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 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" 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.
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

CORNER CONSTRUCTION AND WEEP HOLES NOTES:
STANDARD FRAME CORNER CONSTRUCTION:
FRAME CORNERS ARE OF BUTTED CONSTRUCTION. HEAD AND SILL ARE ATTACHED TO JAMBS USING (2) #10 X 1 1/4" PH SQ DRIVE SS SCREWS.

ADA FRAME CORNER CONSTRUCTION:
FRAME CORNERS ARE OF BUTTED CONSTRUCTION. HEAD AND SILL ARE ATTACHED TO JAMBS USING (2) #10 X 1 1/4" PH SQ DRIVE SS SCREWS.

PANEL CORNER CONSTRUCTION:
PANEL FRAME CORNERS ARE OF BUTTED CONSTRUCTION.
ACTIVE PANEL RAILS ARE ATTACHED TO STILES USING #8 X 1" LEAD POINT SCREWS AT SCREW BOSSES.
INACTIVE PANEL RAILS ARE ATTACHED TO STILES USING #8 X 1" LEAD POINT SCREWS AND #10 X 3/4" LEAD POINT SCREWS AT SCREW BOSSES. #10 SCREWS ARE USED IN SCREW BOSSES WHERE REINFORCEMENT IS PRESENT.

WEEP HOLES:
(2) 9/32" X 1" WEEP HOLES WITH PLASTIC COVERS ARE LOCATED 3" FROM SILL ENDS.

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1	NOTES
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3 – 5	CROSS SECTIONS GLAZING DETAILS AND B.O.M.
6 – 8	INSTALLATION DETAILS
9	COMPONENTS
10 – 11	HARDWARE LOCATIONS

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SERIES 9050 TERRACE OUTSWING
DOUBLE DOOR – IMPACT
NOTES

DRAWN:	DWG NO.	REV
R.L.	08–01645	A
SCALE NTS	DATE 06/25/12	SHEET 1 OF 11

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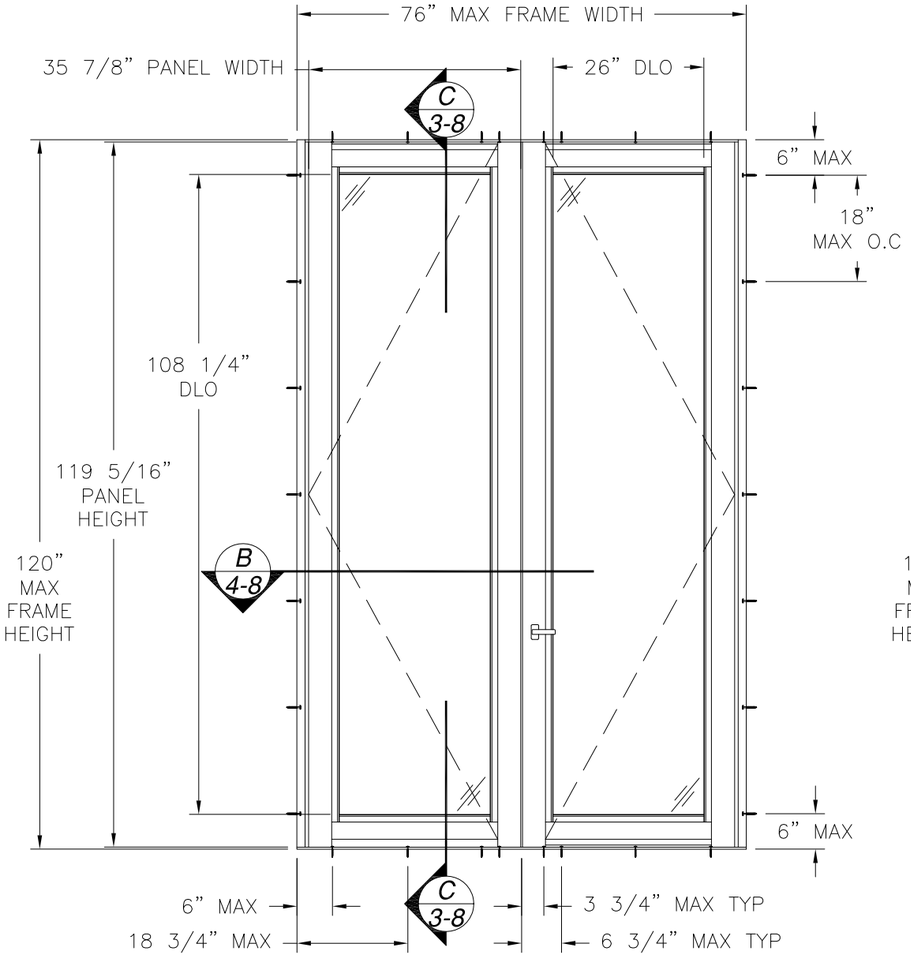
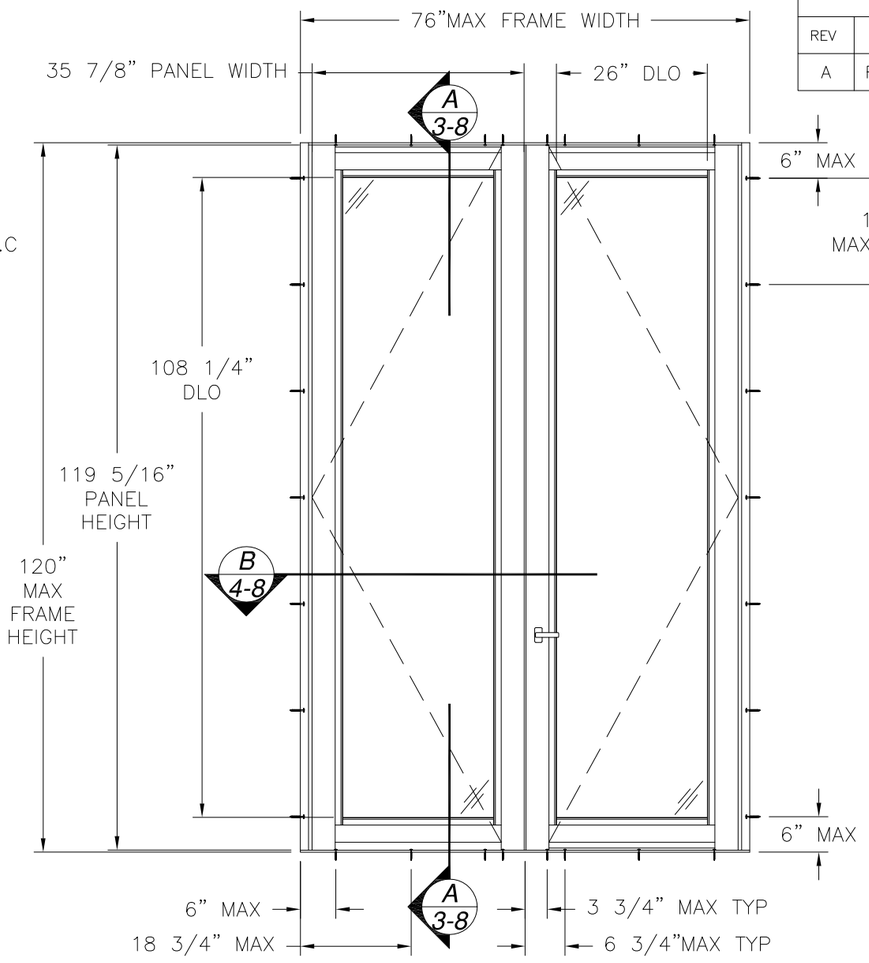


SERIES 9050 TERRACE OUTSWING DOUBLE DOOR - IMPACT

EXTERIOR VIEW WITH ADA SILL

DESIGN PRESSURE RATING		*IMPACT RATING*
+30.0/-70.0PSF	*±70.0PSF*	*LARGE AND SMALL MISSILE IMPACT*
WHERE WATER INFILTRATION IS NEEDED	*WHERE WATER INFILTRATION IS NOT NEEDED*	

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ



SERIES 9050 TERRACE OUTSWING DOUBLE DOOR - IMPACT

EXTERIOR VIEW WITH STANDARD SILL

DESIGN PRESSURE RATING	*IMPACT RATING*
±70PSF	*LARGE AND SMALL MISSILE IMPACT*

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ

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SERIES 9050 TERRACE OUTSWING
DOUBLE DOOR – IMPACT
ELEVATIONS

DRAWN:	DWG NO.	REV
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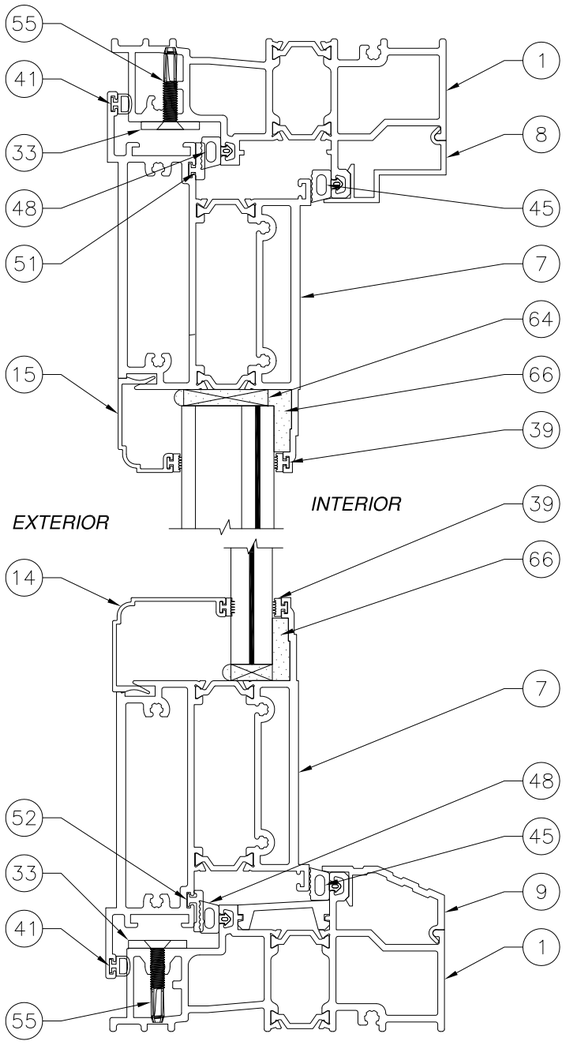
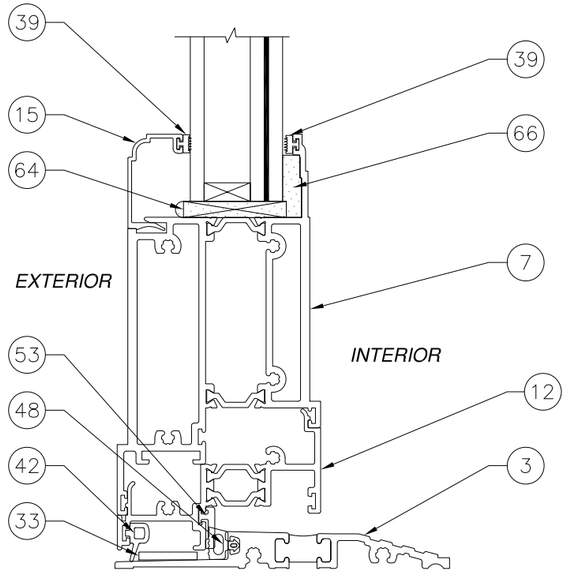
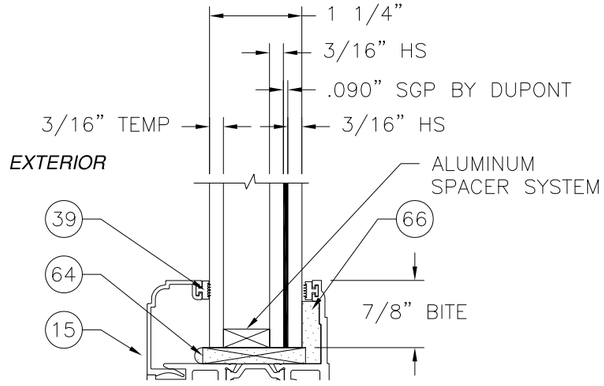


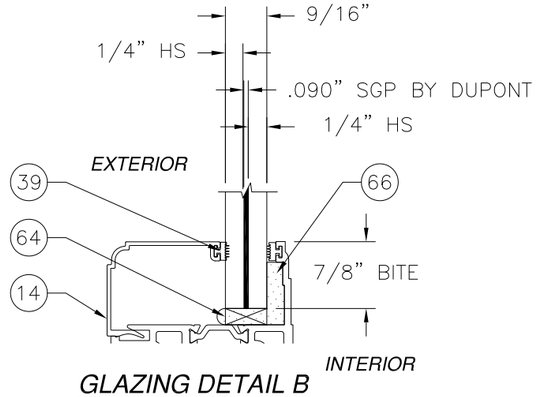
A/3 VERTICAL SECTION
STANDARD FRAME AND SILL



C/3 VERTICAL SECTION
STANDARD FRAME W/ ADA SILL



GLAZING DETAIL A



GLAZING DETAIL B

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CROSS SECTIONS, GLAZING DETAILS AND B.O.M.

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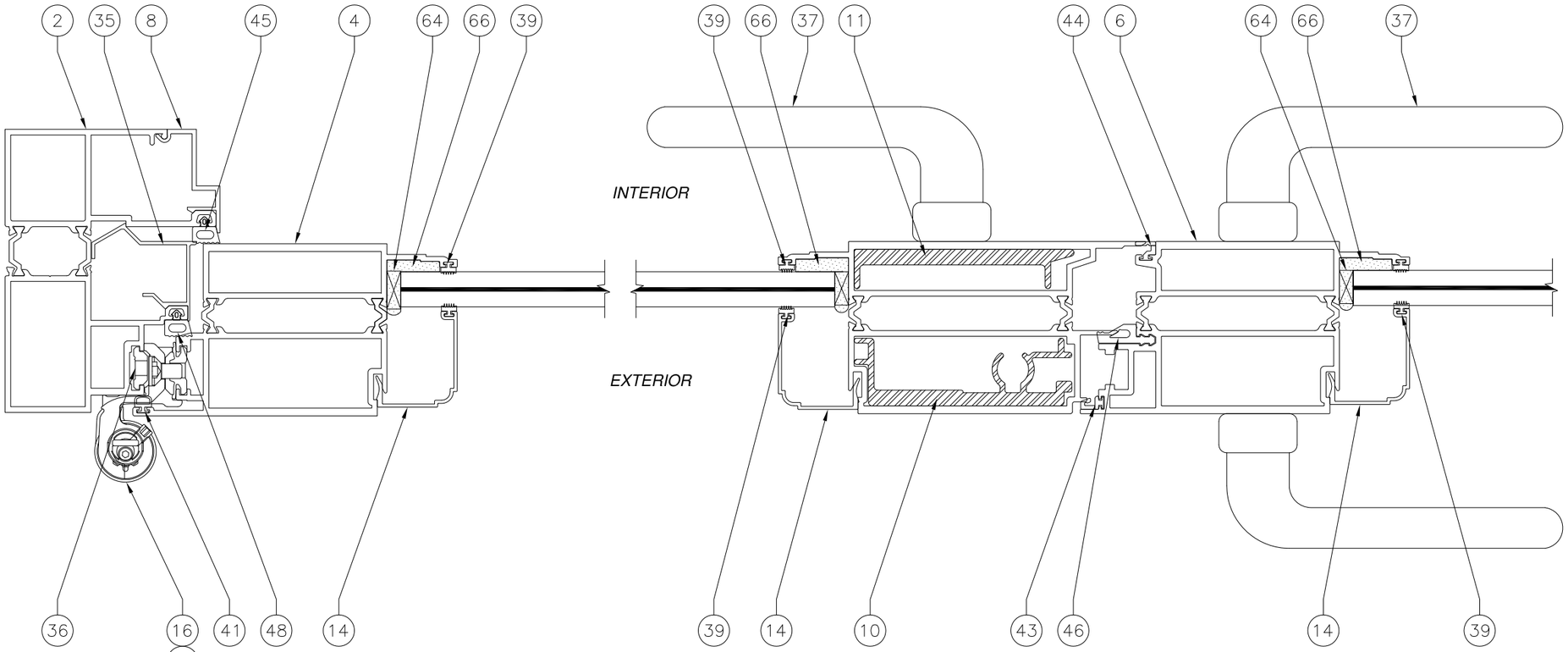

B/4 HORIZONTAL SECTION

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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	905A32	FRAME HEAD & SILL	KEYMARK	6063–T6
2	905A21	FRAME JAMB	KEYMARK	6063–T6
3	S46079	ADA SILL	KEYMARK	6063–T6
4	905A03	HINGE STILE ACTIVE PANEL	KEYMARK	6063–T6
5	905A18	STILE INACTIVE PANEL	KEYMARK	6063–T6
6	905A17	STILE ACTIVE PANEL	KEYMARK	6063–T6
7	905A05	TOP & BOTTOM RAIL PANEL	KEYMARK	6063–T6
8	S46085	JAMB & HEAD COVER PLATE	KEYMARK	6063–T6
9	S46086	SILL COVER PLATE	KEYMARK	6063–T6
10	S06862	STILE REINFORCEMENT – LARGE	KEYMARK	6063–T6
11	S06803	STILE REINFORCEMENT – SMALL	KEYMARK	6063–T6
12	905A09	ADA PANEL BOTTOM RAIL	KEYMARK	6063–T6
13	S46080	EURO FRAME GROOVE COVER	KEYMARK	6063–T6
14	S46082	GLAZING BEAD 437 – 562	KEYMARK	6063–T6
15	S46084	GLAZING BEAD 1.250	KEYMARK	6063–T6
16	00598N	FLASH XXL DOOR HINGE SET	GIESSE	
17	00599	HINGE COVERS	GIESSE	
18	00591	HINGE PRELOAD PLATE	GIESSE	
33	p7012010eWSB	SHOOT BOLT STRIKE	HOPPE	
34	WA2L	WEEP HOLE COVER	ENGINEERING	
35	905–VX–25	JAMB ANCHOR COVER	MOR–X PLASTICS	PVC
36	1445	SNUBBER DRIVE	ADVANTAGE MFG.	
37	362876	MULTI–POINT LOCK SET	HOPPE	SEE NOTE THIS PAGE
39	TP1046	#7 GLAZING VINYL	TEAM PLASTICS	
40	905VP–21	RAMP BLOCK		
41	90003–1	WEATHERSTRIP	LAUREN MFG.	
42	4–2709	WEATHERSTRIP	LAUREN MFG.	
43	4–3911	WEATHERSTRIP	LAUREN MFG.	
44	4–3912	WEATHERSTRIP	LAUREN MFG.	
45	4–3913	EPDM SEAL	LAUREN MFG.	
46	4–3826	SPONGE EPDM WITH PSA TAPE	LAUREN MFG.	
47	52105	STRIP PLUG	LAUREN MFG.	
48	54576	SPONGE EPDM SEAL	LAUREN MFG.	
49	53993	STRUT COVER	LAUREN MFG.	
50	8303	WEATHERSTRIP	TRELLEBORG	
51	TP–448	FILLER	TEAM PLASTICS	
53	TP–1126	FILLER	TEAM PLASTICS	
54	131014	#8 X 1" PH SQ. DRIVE SCREW		
55	131008	#10 X 3/4" PHILL FH TEK SCREW		
56		#10 X 3/4" PHILL FH TAPCON		

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PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
58	131005	#10 X 1 1/4" PH SQ. DRIVE SCREN		
59	131001	#10 X 2 1/2" PHILLIPS FH TEK		
60		#14 X 3" PH		
61		#14 X 3" FH		
64	FG0015011	GLASS SHIM		
65	SIKA 552	SILICONE CAULK		
66		URETHANE SEALANT		

ITEMS 38, 52, 57, 62, 63, ARE NOT USED.
FOR ITEM 37, MULTI-POINT LOCK SET,
COMPONENTS SEE SHEETS 10 & 11.

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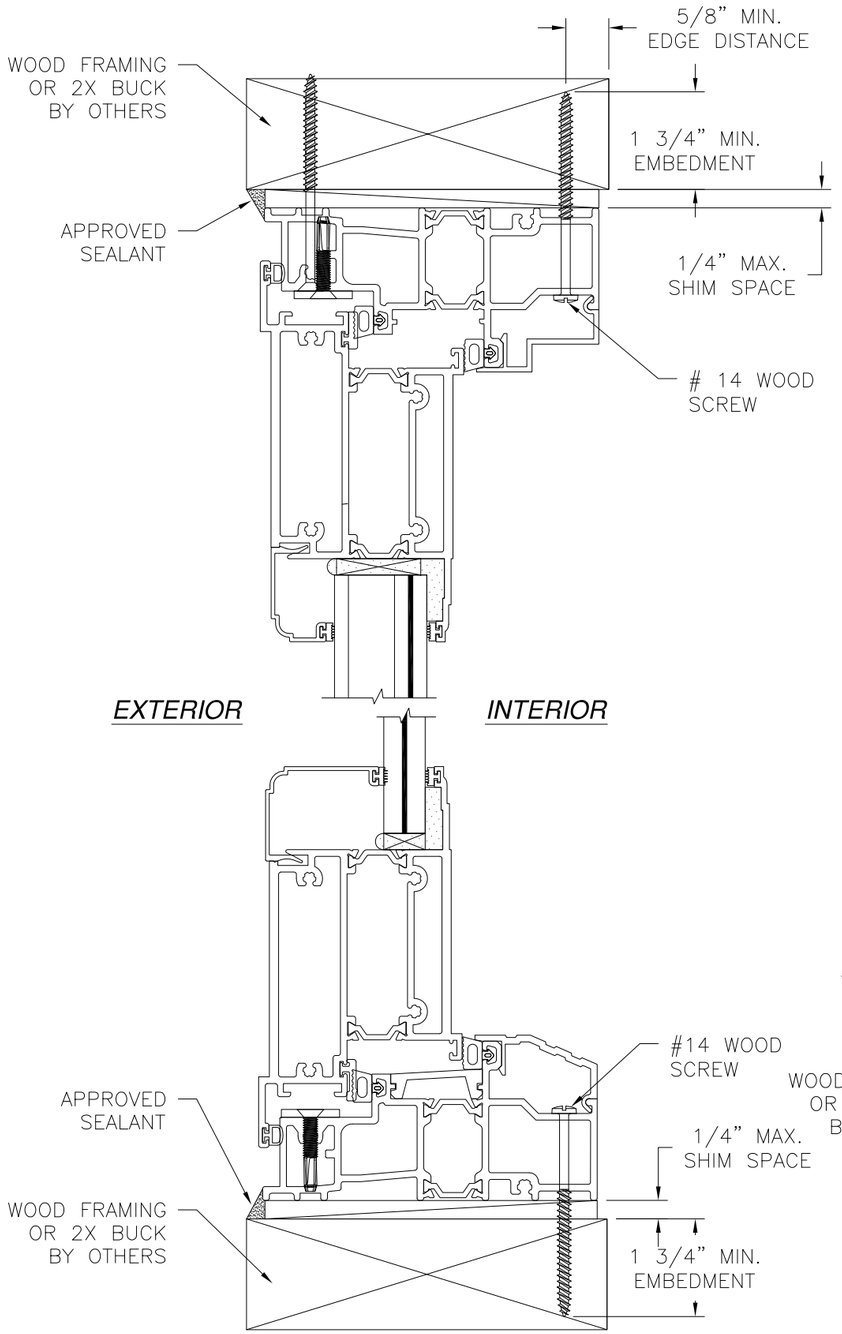
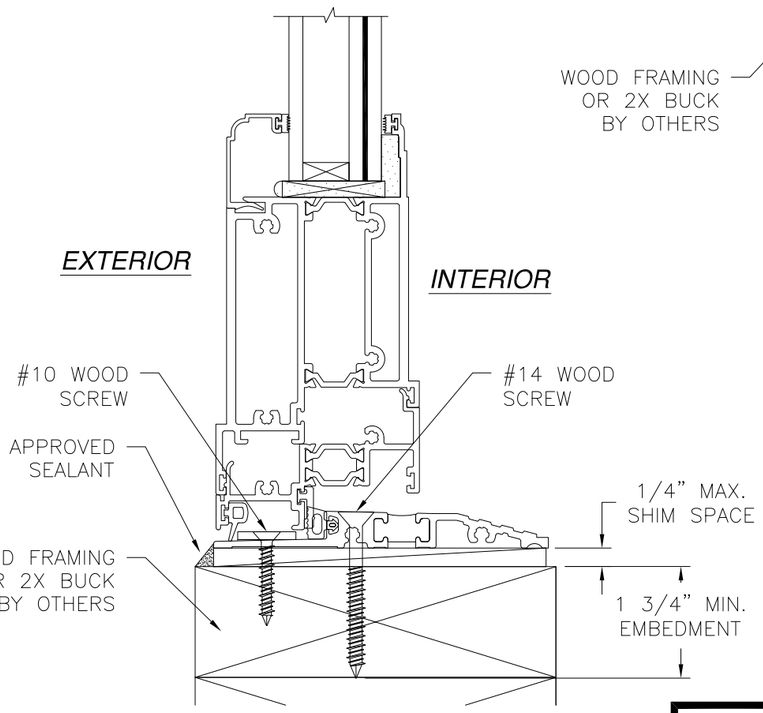
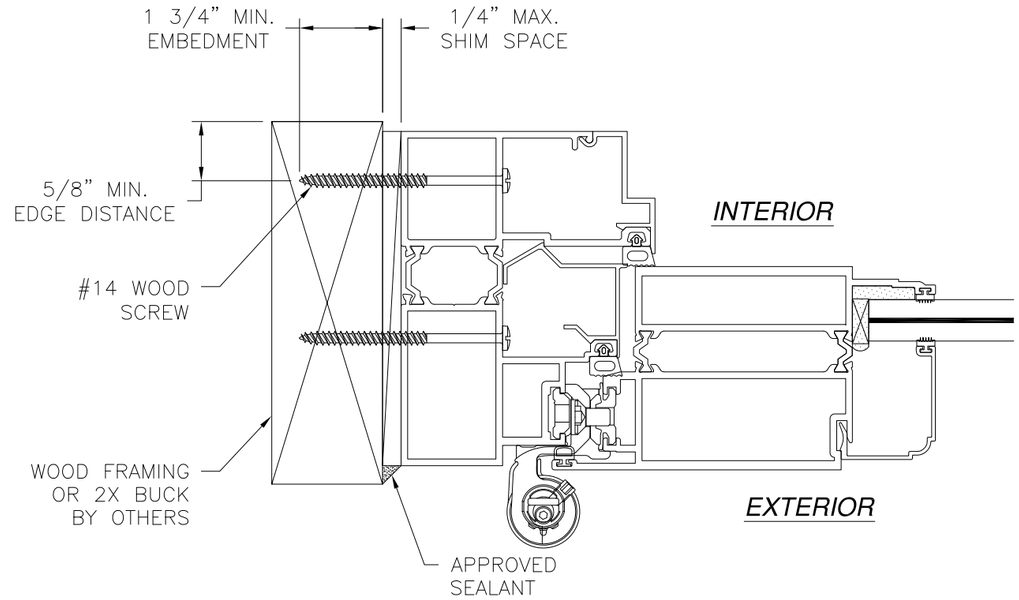


A/6 *VERTICAL CROSS SECTION*
WOOD FRAMING OR 2X BUCK INSTALLATION
STANDARD FRAME AND SILL



C/6 *VERTICAL CROSS SECTION*
WOOD FRAMING OR 2X BUCK INSTALLATION
STANDARD FRAME WITH ADA SILL



B/6 *JAMB INSTALLATION DETAIL*
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTE:
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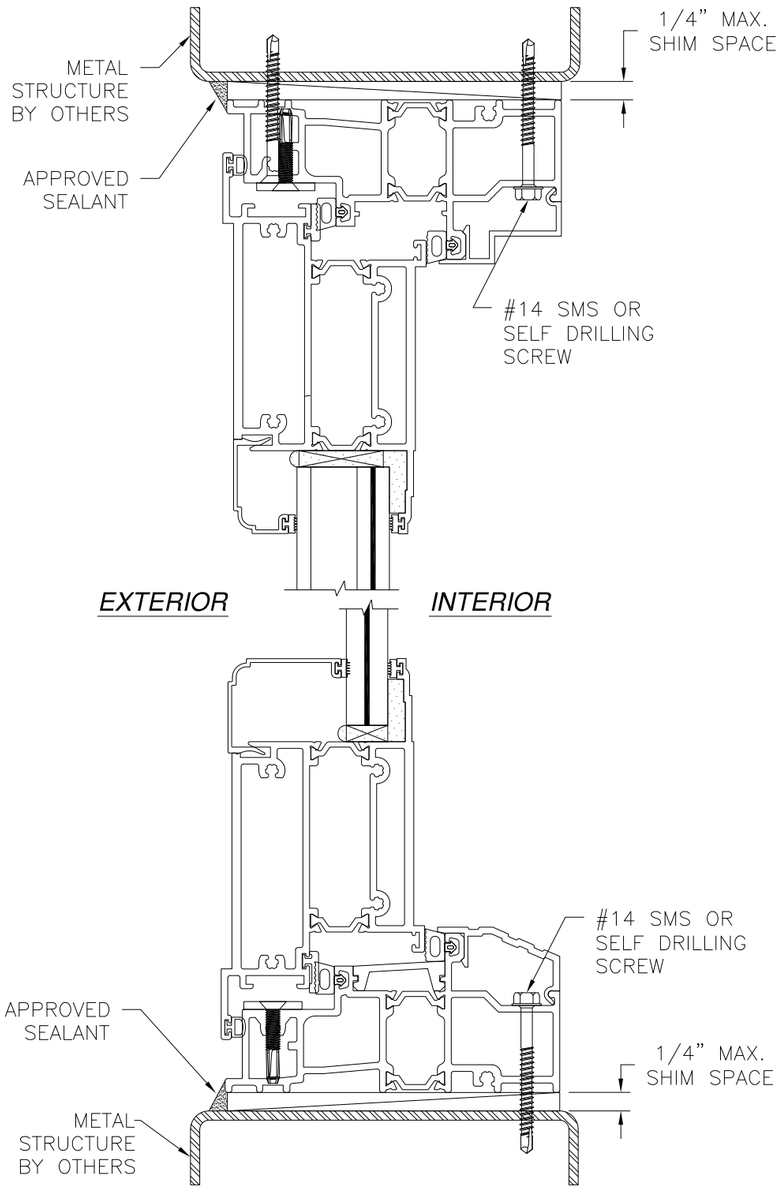
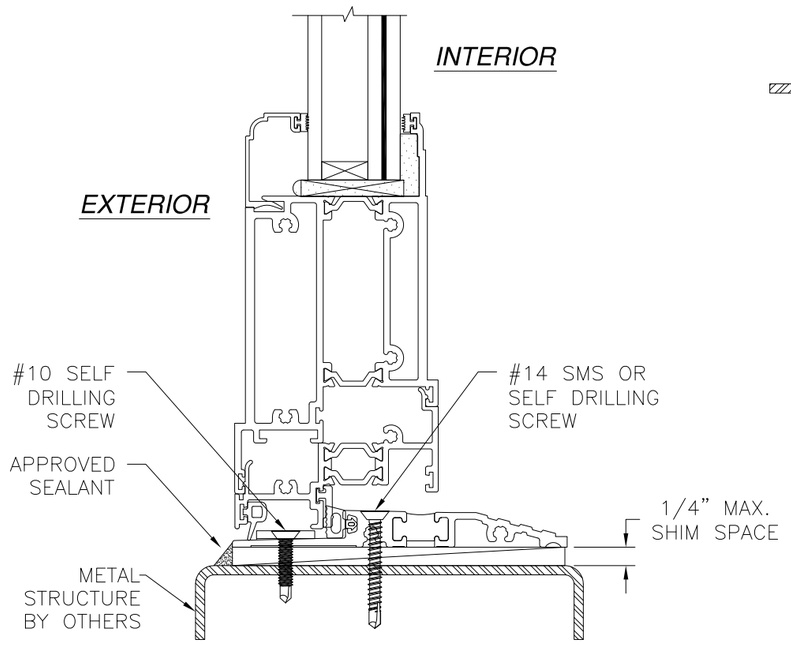
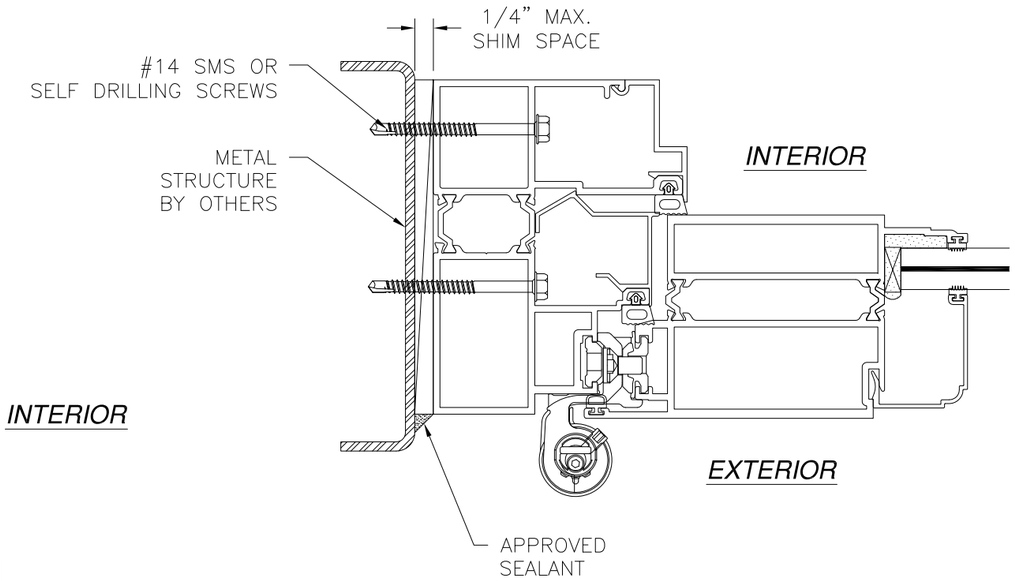


A/7 *VERTICAL CROSS SECTION*
METAL STRUCTURE INSTALLATION
STANDARD FRAME AND SILL



C/7 *VERTICAL CROSS SECTION*
METAL STRUCTURE INSTALLATION
STANDARD FRAME WITH ADA SILL



B/7 *JAMB INSTALLATION DETAIL*
METAL STRUCTURE INSTALLATION

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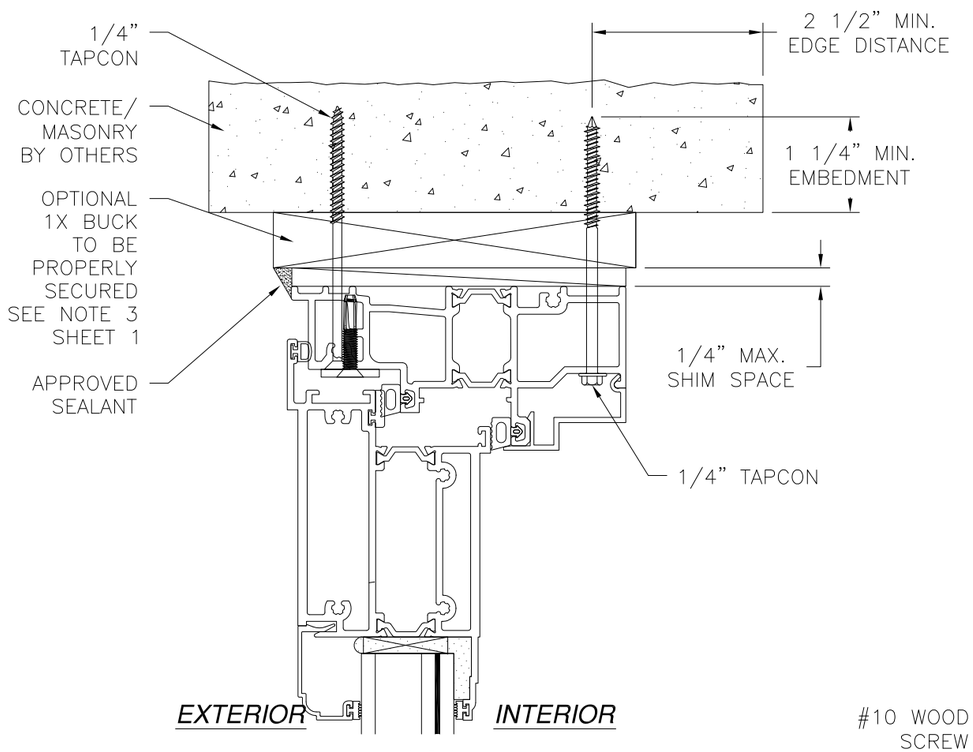
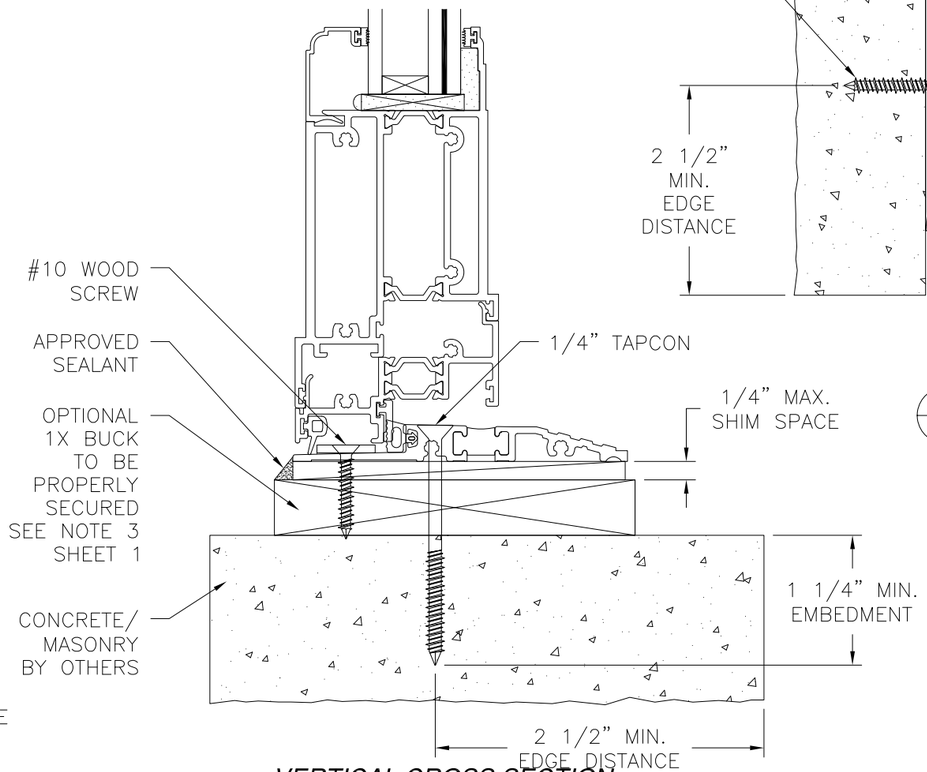
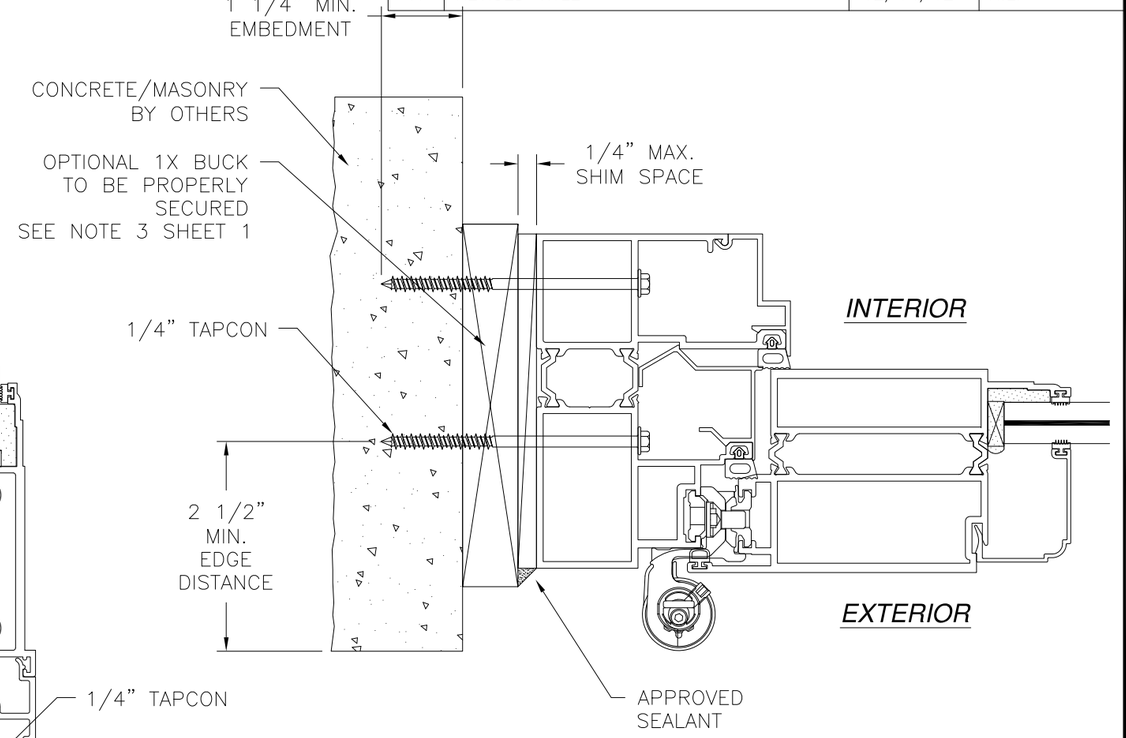


A/8 *VERTICAL CROSS SECTION*
CONCRETE/MASONRY INSTALLATION
STANDARD FRAME AND SILL



C/8 *VERTICAL CROSS SECTION*
CONCRETE/MASONRY INSTALLATION
STANDARD FRAME WITH ADA SILL



B/8 *JAMB INSTALLATION DETAIL*
CONCRETE/MASONRY INSTALLATION

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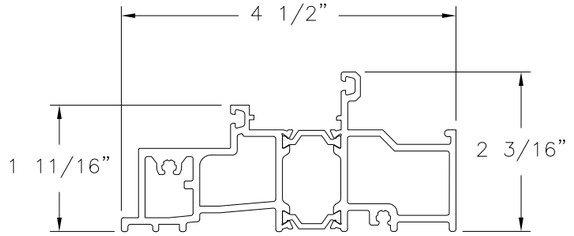
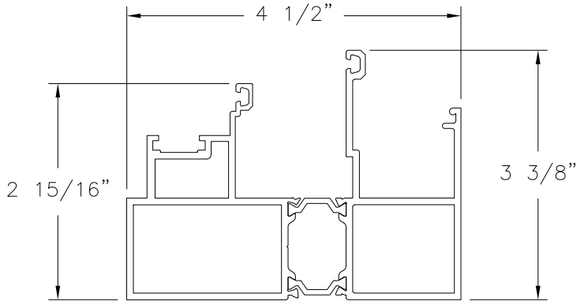
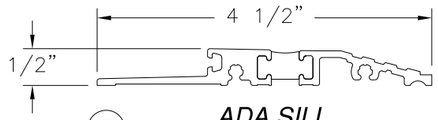


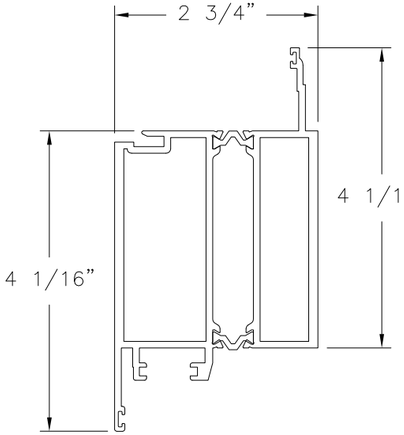
1 **FRAME HEAD & SILL**
ALUMINUM 6063-T6 .050" THICK



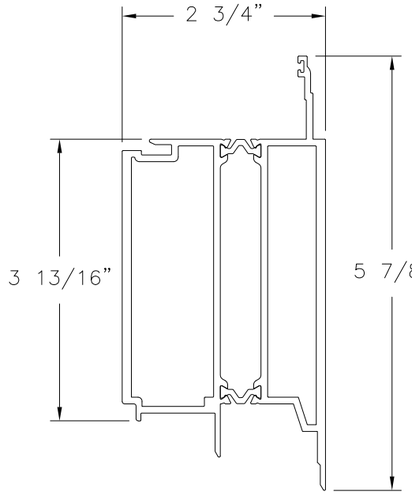
2 **FRAME JAMB**
ALUMINUM 6063-T6 .090" THICK



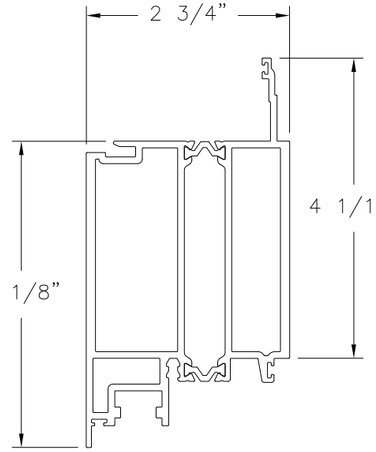
3 **ADA SILL**
ALUMINUM 6063-T6 .090" THICK



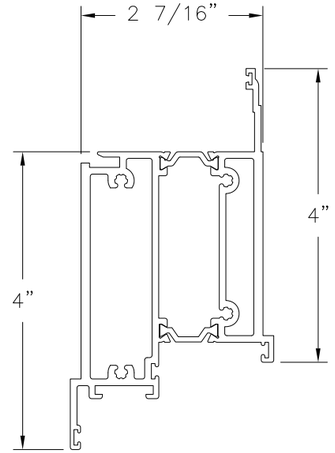
4 **HINGE STILE**
ACTIVE PANEL
ALUMINUM 6063-T6 .090" THICK



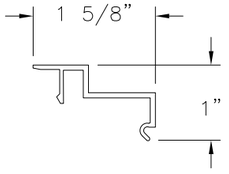
5 **LOCK STILE**
INACTIVE PANEL
ALUMINUM 6063-T6 .090" THICK



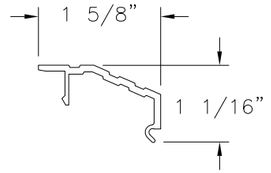
6 **LOCK STILE**
ACTIVE PANEL
ALUMINUM 6063-T6 .090" THICK



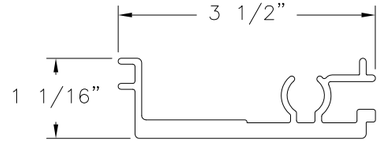
7 **TOP & BOTTOM RAIL**
ALUMINUM 6063-T6 .090" THICK



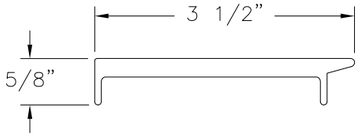
8 **HEAD & JAMB**
COVER PLATE
ALUMINUM 6063-T6 .070" THICK



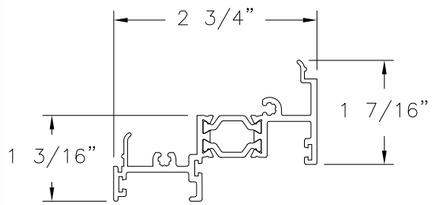
9 **SILL**
COVER PLATE
ALUMINUM 6063-T6 .090" THICK



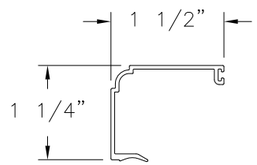
10 **REINFORCEMENT LARGE**
ALUMINUM 6005-T61 .210" THICK



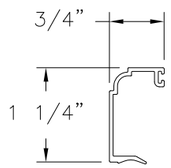
11 **REINFORCEMENT SMALL**
ALUMINUM 6005-T61 .250" THICK



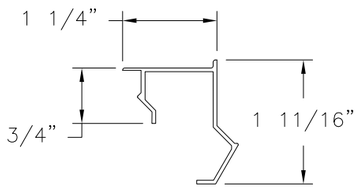
12 **ADA BOTTOM RAIL**
ADAPTER
ALUMINUM 6063-T6 .080" THICK



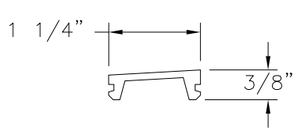
14 **GLAZING BEAD**
ALUMINUM 6063-T6 .050" THICK



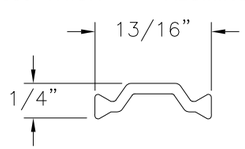
15 **GLAZING BEAD**
ALUMINUM 6063-T6 .050" THICK



35 **JAMB ANCHOR COVER**
PVC .050" THICK



49 **STRUT COVER**
80 DUROMETER EPDM .201" THICK



THERMAL STRUT
NYLON POLYAMIDE .070" THICK

SIGNED: 09/17/2013

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ORLANDO, FL 32832
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Fax: 407.481.0505
www.windoorinc.com

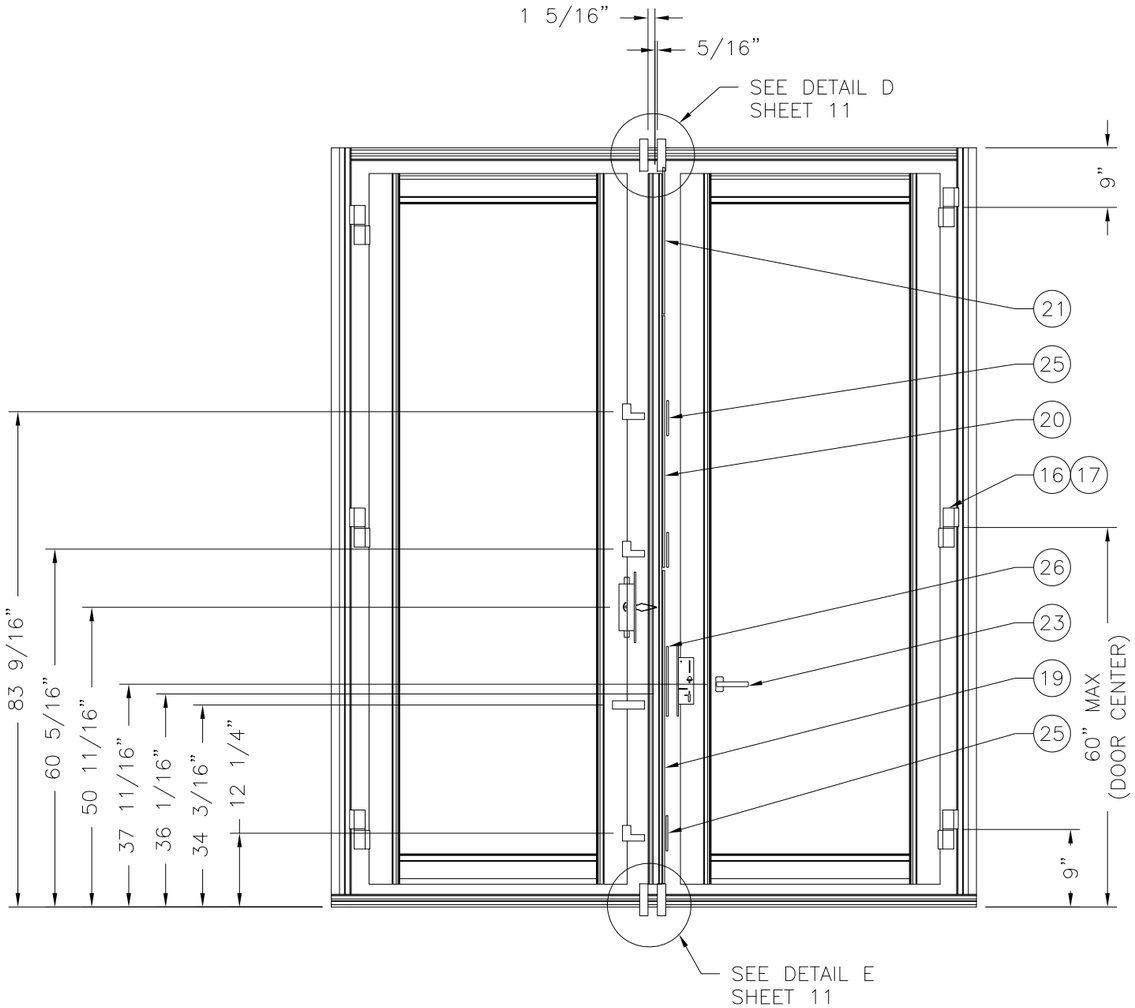
SERIES 9050 TERRACE OUTSWING
DOUBLE DOOR – IMPACT
COMPONENTS

DRAWN:	DWG NO.	REV
R.L.	08–01645	A
SCALE NTS	DATE 06/25/12	SHEET 9 OF 11

STATE OF TEXAS
LUIS R. LOMAS
101889
LICENSED
PROFESSIONAL ENGINEER

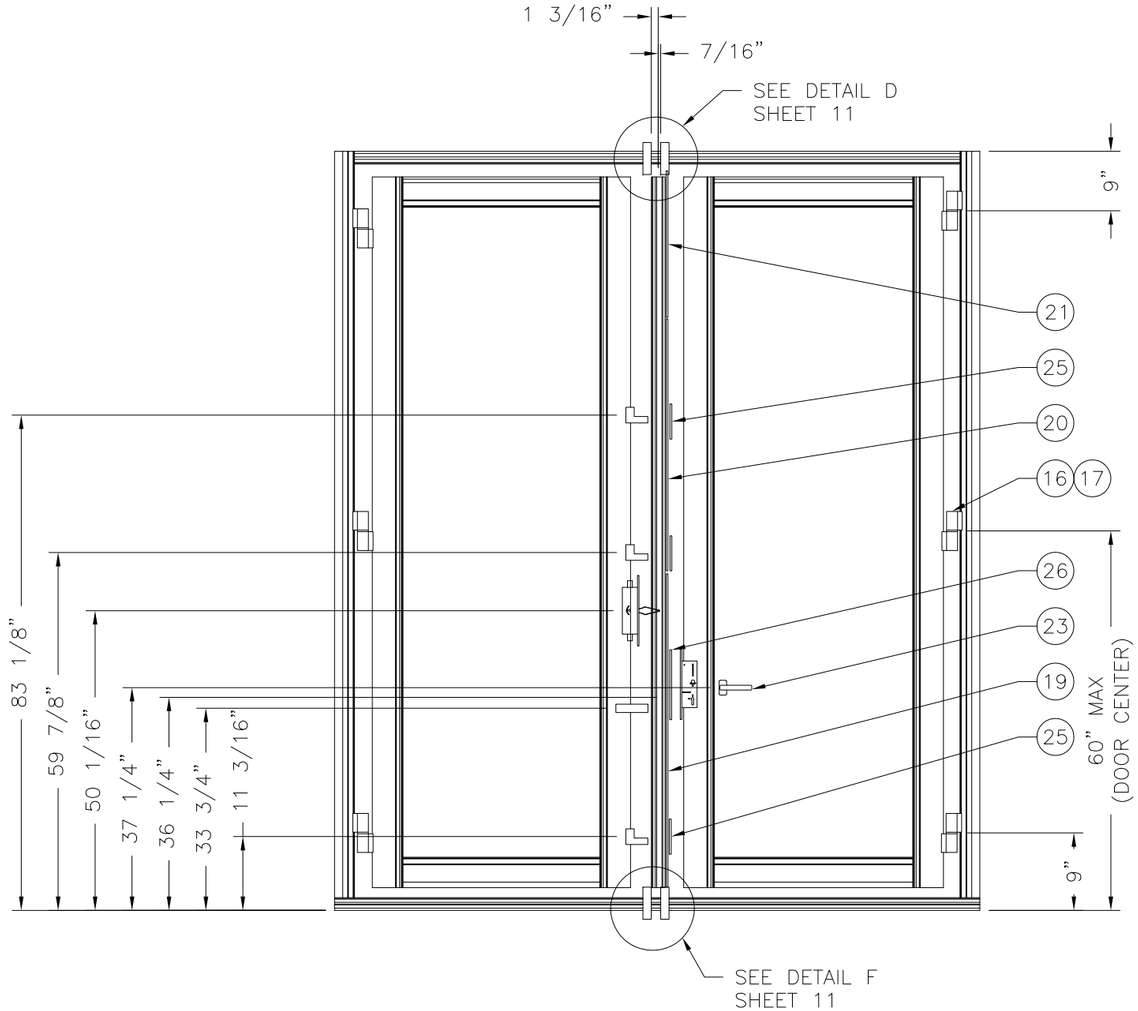
Luis R. Lomas P.E.
TX No.: 191889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TITLE	12/14/12	R.L.



HARDWARE LOCATION
FOR STANDARD FRAME AND SILL

MULTI-POINT LOCK COMPONENTS				
NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
19		BOTTOM EXTENSION	HOPPE	
20		MIDDLE EXTENSION	HOPPE	
21		TOP EXTENSION	HOPPE	
22		MORTISE FLUSHBOLT	HOPPE	
23		HANDLE & TRIM SET	HOPPE	
24		LOCK CYLINDER & THUMB TURN	HOPPE	
25	p7012013eSWH	HOOK LATCH STRIKE PLATE	HOPPE	
26	p7012011eWLD	LATCH & DEAD BOLT STRIKE PLATES	HOPPE	
27	p701XXX-SBR	SHOOT BOLT REINFORCING PLATES	HOPPE	
28	p10311-SPACER	SHOOT BOLT REINFORCING SHIM	HOPPE	
29	1900908	10 MM STANDARD ROD GUIDES	HOPPE	
30	8787443	30 MM FLUSH BOLT LOCK ROD	HOPPE	
31		10 MM FLUSH BOLT ROD	HOPPE	
32		10 MM FLUSH BOLT ROD	HOPPE	



HARDWARE LOCATION
FOR STANDARD FRAME WITH ADA SILL

SIGNED: 09/17/2013

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SERIES 9050 TERRACE OUTSWING
DOUBLE DOOR – IMPACT
HARDWARE LOCATIONS

DRAWN:	DWG NO.	REV
R.L.	08–01645	A
SCALE NTS	DATE 06/25/12	SHEET 10 OF 11

STATE OF TEXAS
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PROFESSIONAL ENGINEER

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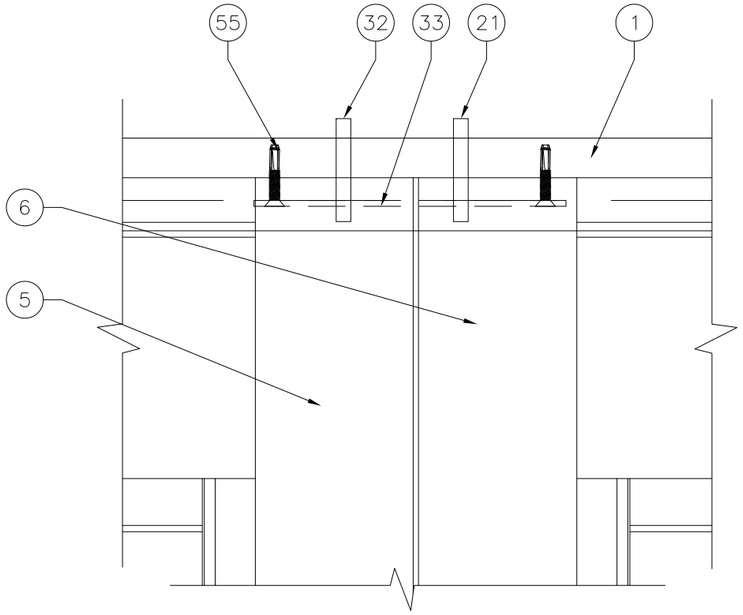
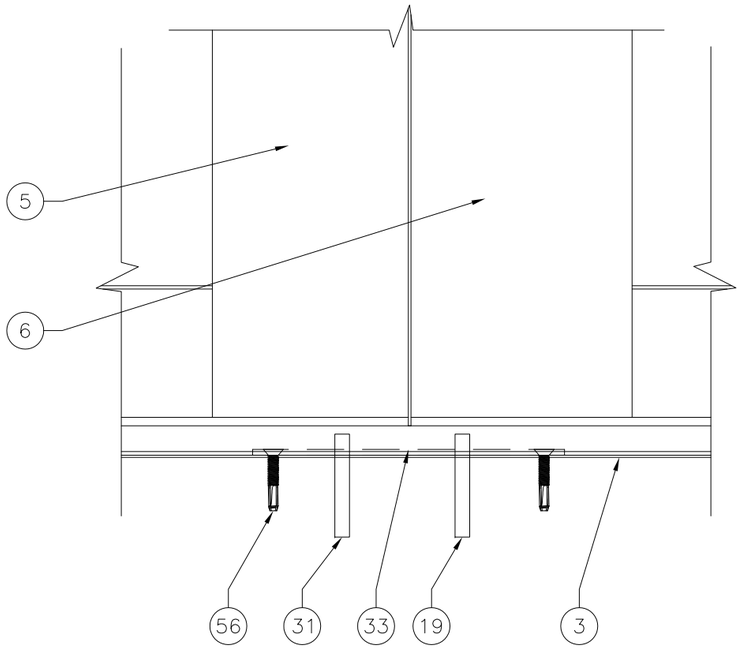
TX No.: 191889

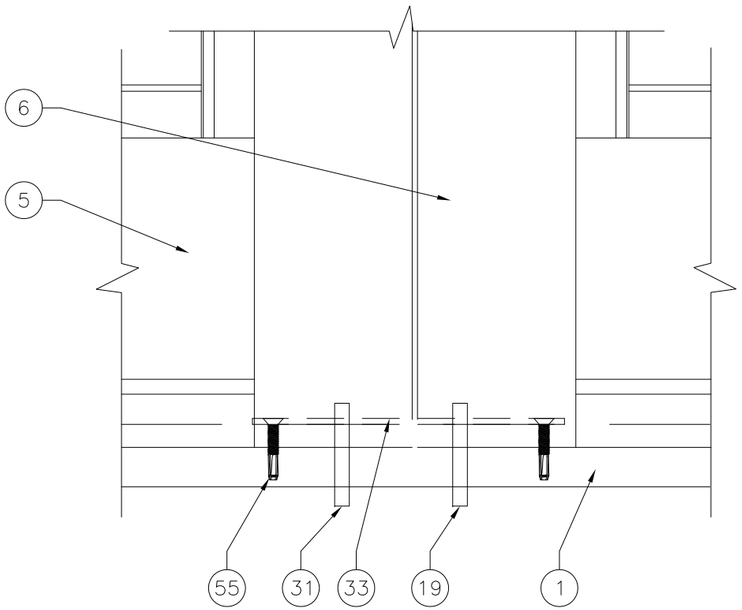
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED TITLE	12/14/12	R.L.



DETAIL D
STANDARD HEAD BOLT INSTALLATION



DETAIL F
ADA SILL BOLT INSTALLATION



DETAIL E
STANDARD SILL BOLT INSTALLATION

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SERIES 9050 TERRACE OUTSWING
DOUBLE DOOR – IMPACT
HARDWARE LOCATIONS

DRAWN:	DWG NO.	REV
R.L.	08–01645	A
SCALE NTS	DATE 06/25/12	SHEET 11 OF 11

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