

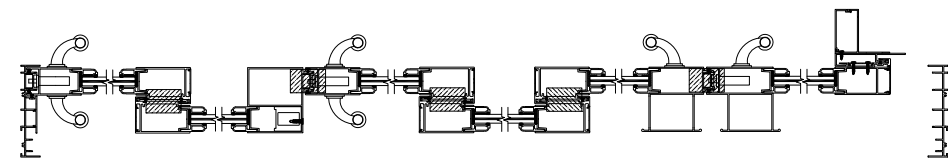
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE AND 2006 INTERNATIONAL RESIDENTIAL CODE WITH TEXAS STATE MODIFICATIONS.
 - 2) WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 3) 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.
 - 4) FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6 .075" THICK. PANEL MATERIAL: EXTRUDED ALUMINUM 6063-T6 .080" THICK.
 - 5) UNITS MUST BE GLAZED WITH LARGE MISSILE IMPACT SINGLE LAMINATED OR INSULATED LAMINATED GLASS AS SHOWN IN GLAZING DETAILS ON SHEETS 10 AND 11, PER ASTM E1300-04.
 - 6) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN AREAS WHERE WIND BORNE DEBRIS PROTECTION IS REQUIRED.
 - 7) APPROVED TO BE INSTALLED ON A 2 TRACK, 3 TRACK OR 4 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS. POCKET CAN BE INTERIOR OR EXTERIOR POCKET.
 - 8) POCKET WALL IS NOT PART OF THIS APPROVAL. POCKET WALL MUST BE UNDER SEPERATE APPROVAL.

120" MAX. FRAME HEIGHT
 118 7/16" MAX. PANEL HEIGHT
 108 21/32" MAX. D.L.O. HEIGHT
 6" TO WEEP SLOT
 WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES
 286 1/2" MAX FRAME WIDTH
 48" MAX. NOMINAL PANEL WIDTH
 40" MAX. D.L.O. WIDTH
 POCKET

8100 SERIES 4'0 x 10'0 LMI SGD
 TYPICAL ELEVATION EXTERIOR VIEW

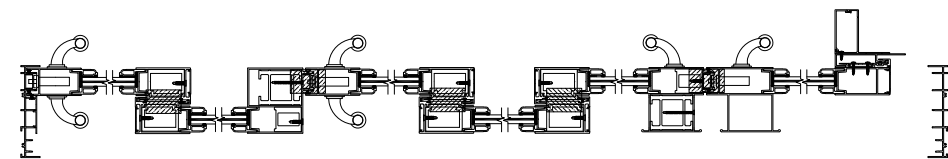
UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.



8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
 2 TRACK LAYOUT

NON-REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
 OPTIONAL SILL RISERS: ITEMS #36 (3 1/2") AND #37 (4 1/4")



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
 2 TRACK LAYOUT

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
+90/-110PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
 OPTIONAL SILL RISERS: ITEMS #36 (3 1/2") AND #37 (4 1/4")

4'0 x 10'0 PANEL AND D.L.O. FORMULA
 PANEL HEIGHT = UNIT HEIGHT - 1 9/16"
 D.L.O. HEIGHT STANDARD BOTTOM RAIL = PANEL HEIGHT - 9 25/32"
 D.L.O. HEIGHT TALL BOTTOM RAIL = PANEL HEIGHT - 13 3/8"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 8"

SIGNED: 09/27/2012

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SHEET NO.	DESCRIPTION
1 - 6	ELEVATIONS, HORIZONTAL CROSS SECTIONS AND NOTES
7 - 9	ANCHORING LAYOUT, NOTES AND DETAILS
10 - 11	BILL OF MATERIALS AND GLAZING DETAILS
12 - 15	CROSS SECTIONS
16 - 19	INSTALLATION DETAILS
20 - 22	COMPONENTS

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 7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
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 www.windoorinc.com

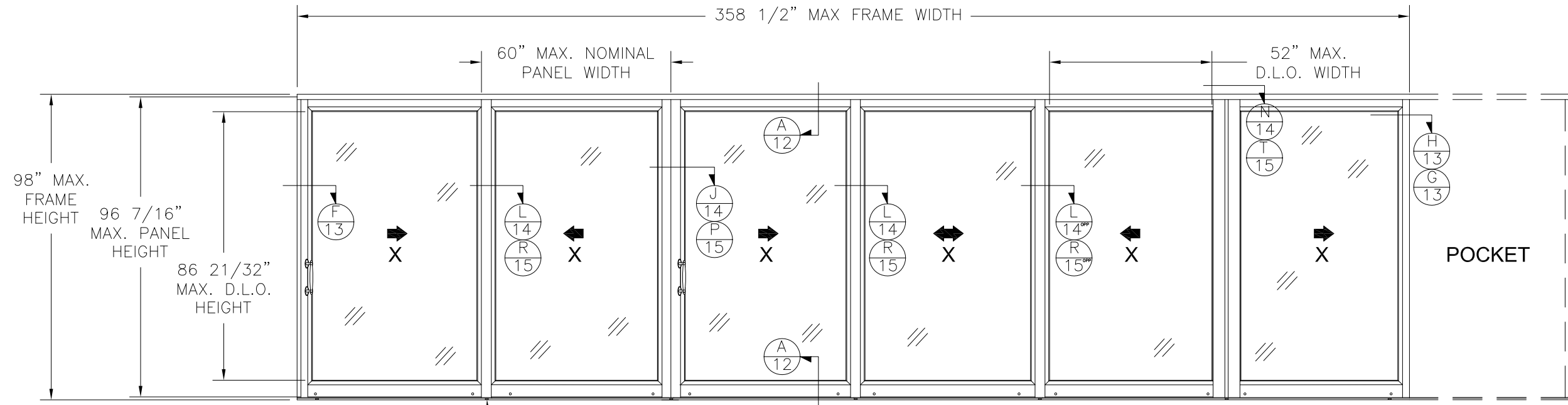
8100 SERIES LMI REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 2TRACK ELEVATIONS

DRAWN: TJH
 DWG NO. 08-00876
 REV C

SCALE NTS
 DATE 12/07/09
 SHEET 1 OF 22

Luis R. Lomas P.E.
 Texas No. 101889

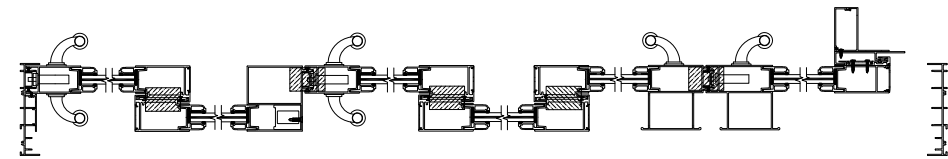
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8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

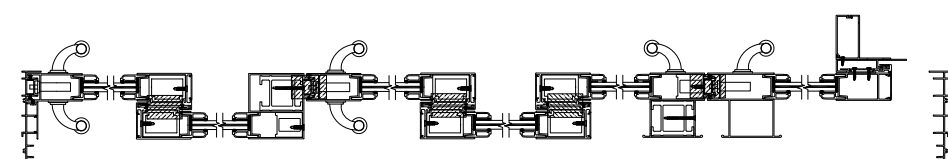
WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL VERTICAL CENTER LINES



8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
2 TRACK LAYOUT

NON-REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
OPTIONAL SILL RISERS: ITEMS #36 (3 1/2")
AND #37 (4 1/4")



8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
2 TRACK LAYOUT REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
+90/-110PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
OPTIONAL SILL RISERS: ITEMS #36 (3 1/2")
AND #37 (4 1/4")

5'0 x 8'2 PANEL AND D.L.O. FORMULA
 PANEL HEIGHT = UNIT HEIGHT - 1 9/16"
 D.L.O. HEIGHT STANDARD BOTTOM RAIL = PANEL HEIGHT - 9 25/32"
 D.L.O. HEIGHT TALL BOTTOM RAIL = PANEL HEIGHT - 13 3/8"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 8"

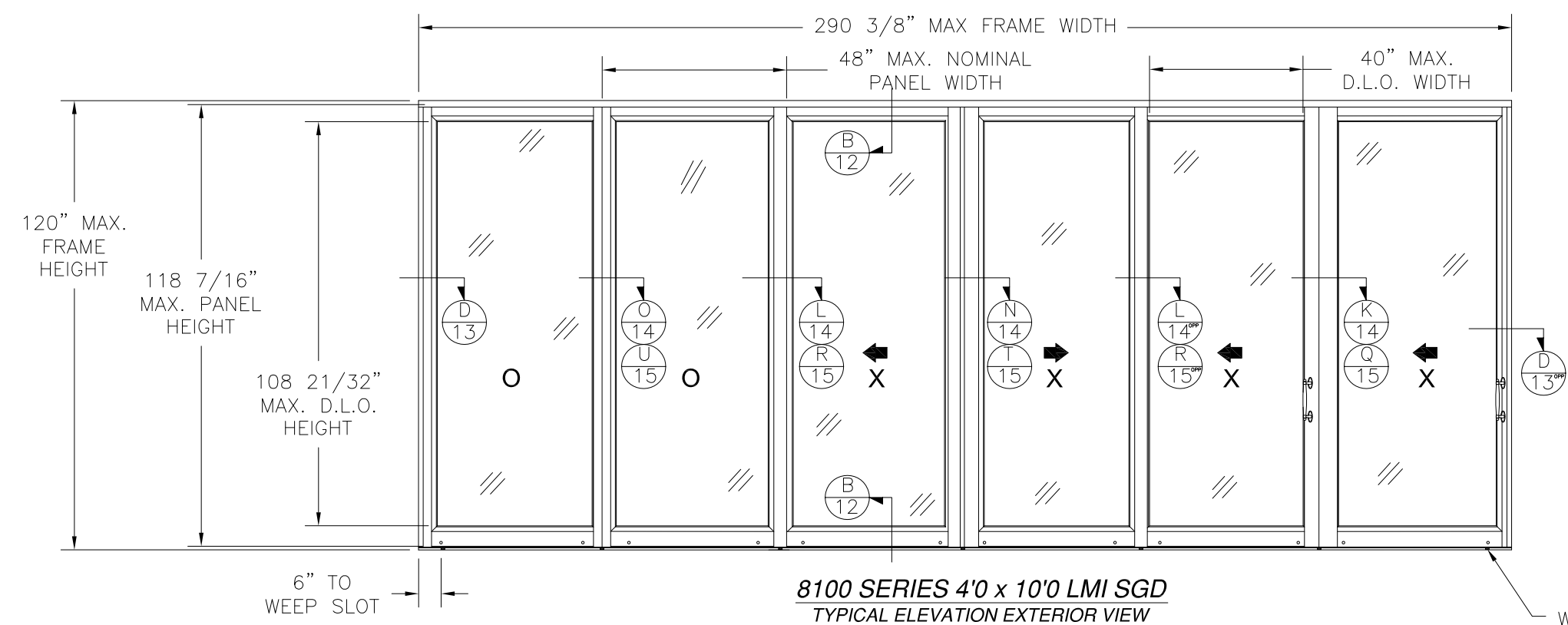
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8100 SERIES LMI REINFORCED & NON-REINFORCED 5'0 x 8'2 PANELS 2TRACK ELEVATIONS			
DRAWN: TJH	DWG NO. 08-00876	REV C	
SCALE NTS	DATE 12/07/09	SHEET 2 OF 22	



Luis R. Lomas P.E.
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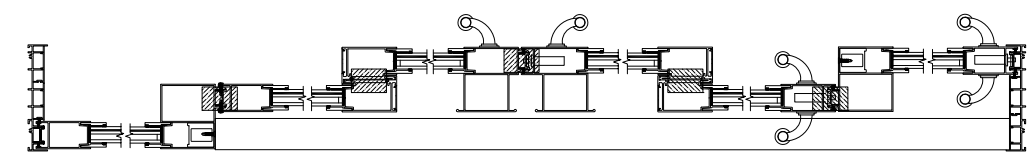
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8100 SERIES 4'0 x 10'0 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

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WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES

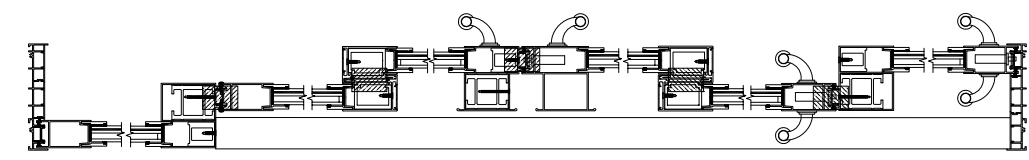


8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
3 TRACK LAYOUT

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
OPTIONAL SILL RISERS: ITEMS #36 (3 1/2") AND #37 (4 1/4")



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
3 TRACK LAYOUT

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
+90/-110PSF	LARGE MISSILE IMPACT

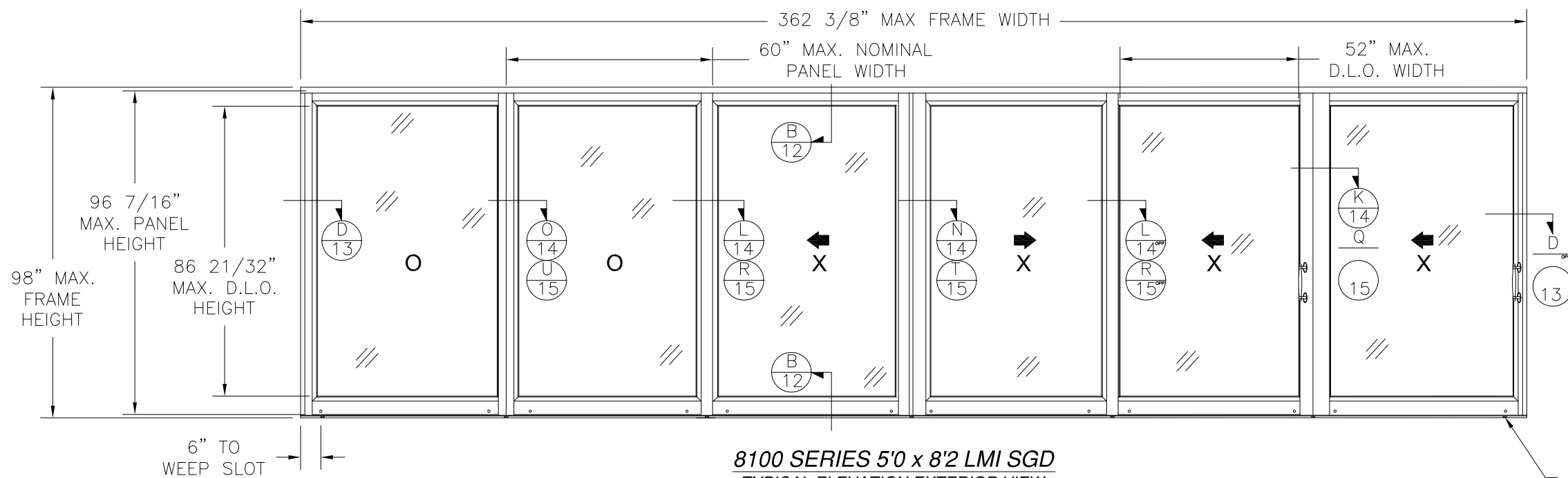
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SCALE NTS	DATE 12/07/09	SHEET 3 OF 22

Luis R. Lomas P.E.
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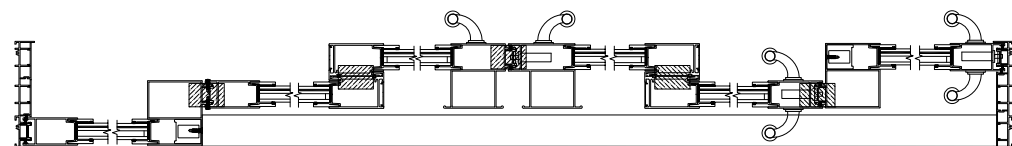
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8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES

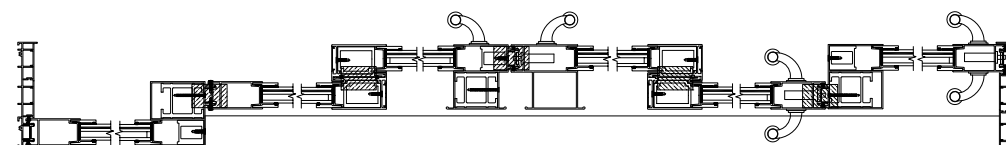


8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
3 TRACK LAYOUT

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
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8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
3 TRACK LAYOUT

REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
+90/-110PSF	LARGE MISSILE IMPACT

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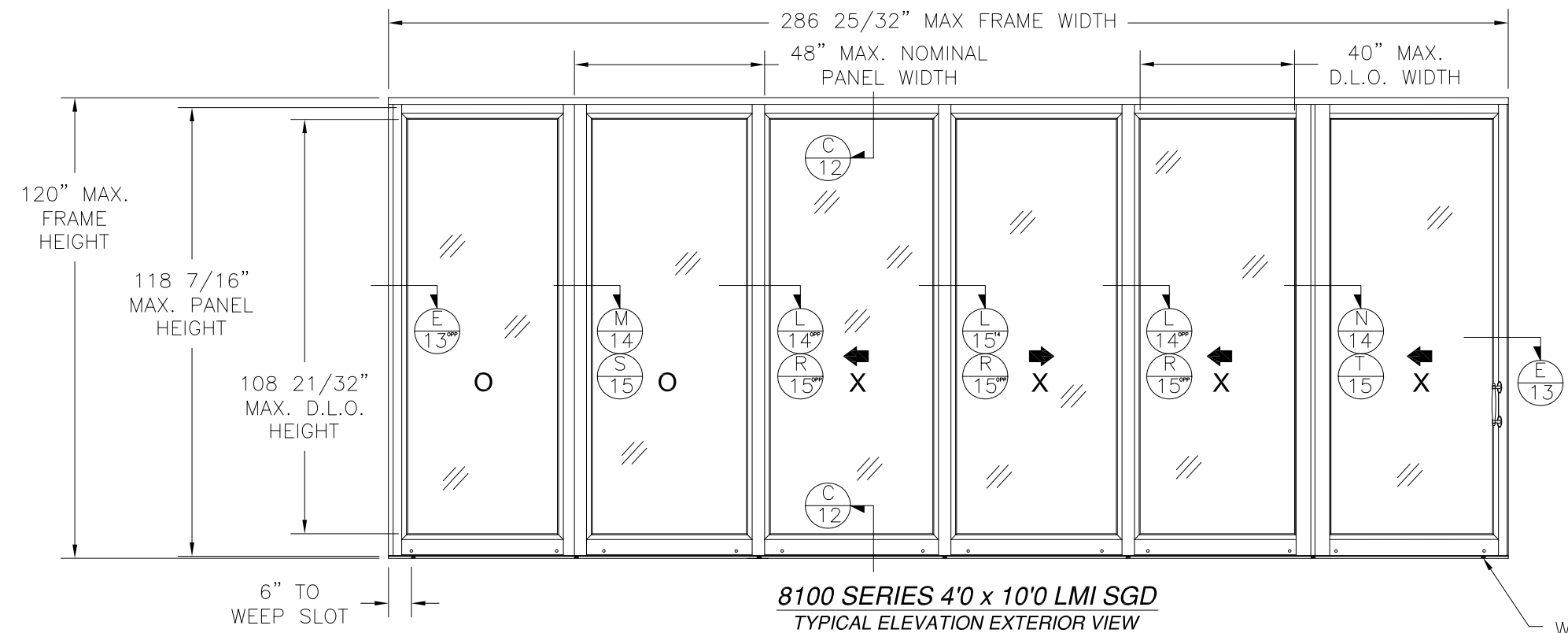
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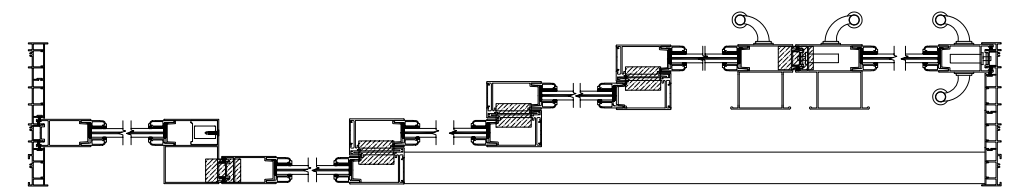
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8100 SERIES 4'0 x 10'0 LMI SGD
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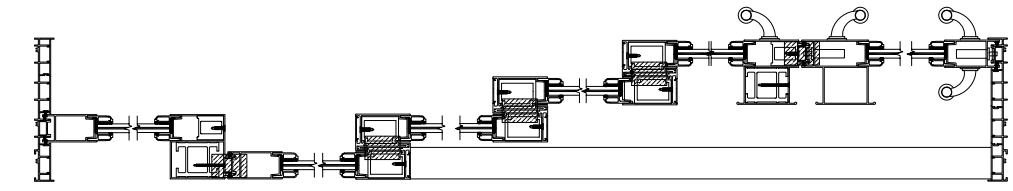
WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES



8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
4 TRACK LAYOUT
NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
OPTIONAL SILL RISERS: ITEMS #36 (3 1/2") AND #37 (4 1/4")



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
4 TRACK LAYOUT
REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
+90/-110PSF	LARGE MISSILE IMPACT

REQUIRED SILL RISER: ITEM #35 (3")
OPTIONAL SILL RISERS: ITEMS #36 (3 1/2") AND #37 (4 1/4")

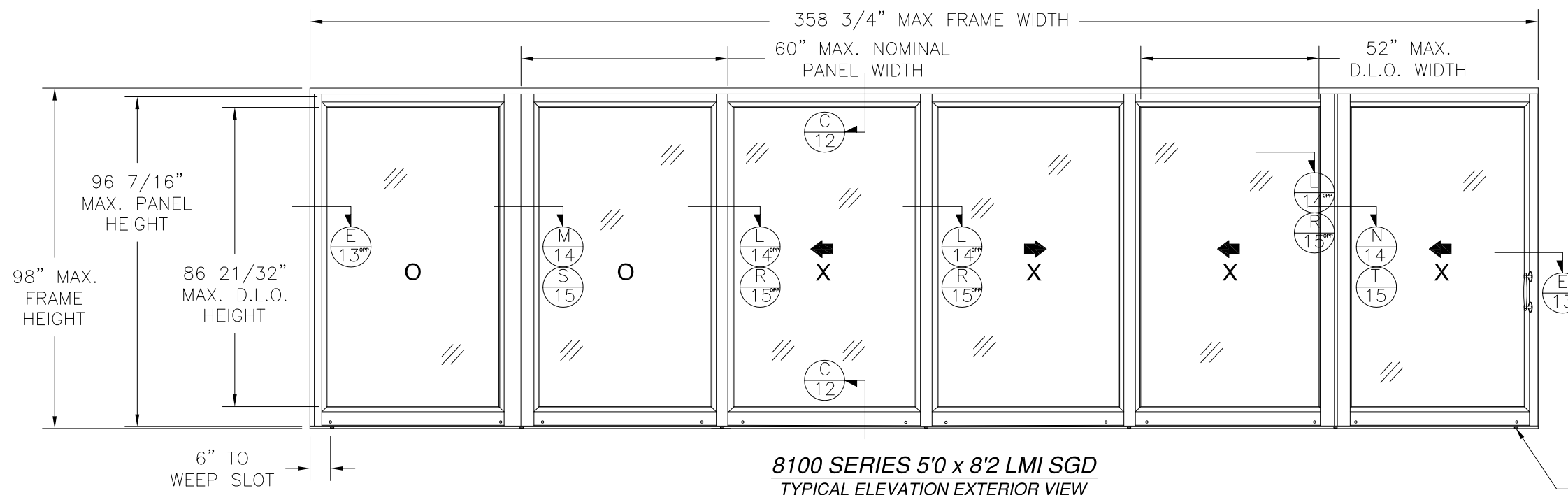
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8100 SERIES LMI REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 4TRACK ELEVATIONS		
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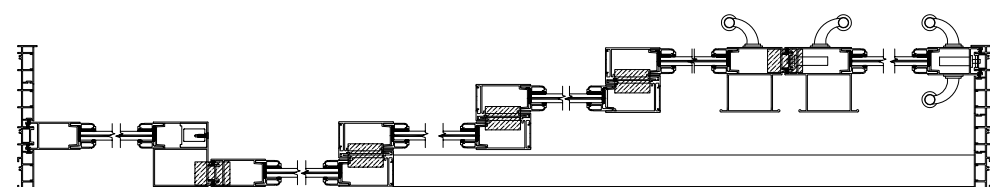
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8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

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WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL
VERTICAL CENTER LINES

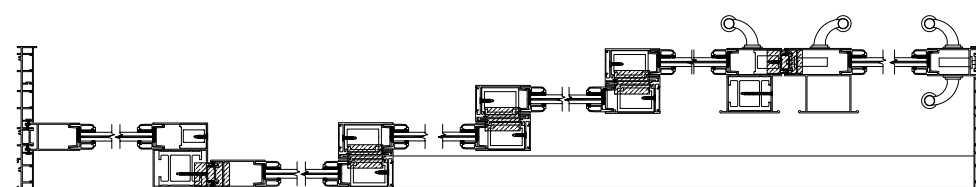


8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
4 TRACK LAYOUT

NON-REINFORCED

DESIGN PRESSURE RATING	IMPACT RATING
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8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
4 TRACK LAYOUT

REINFORCED

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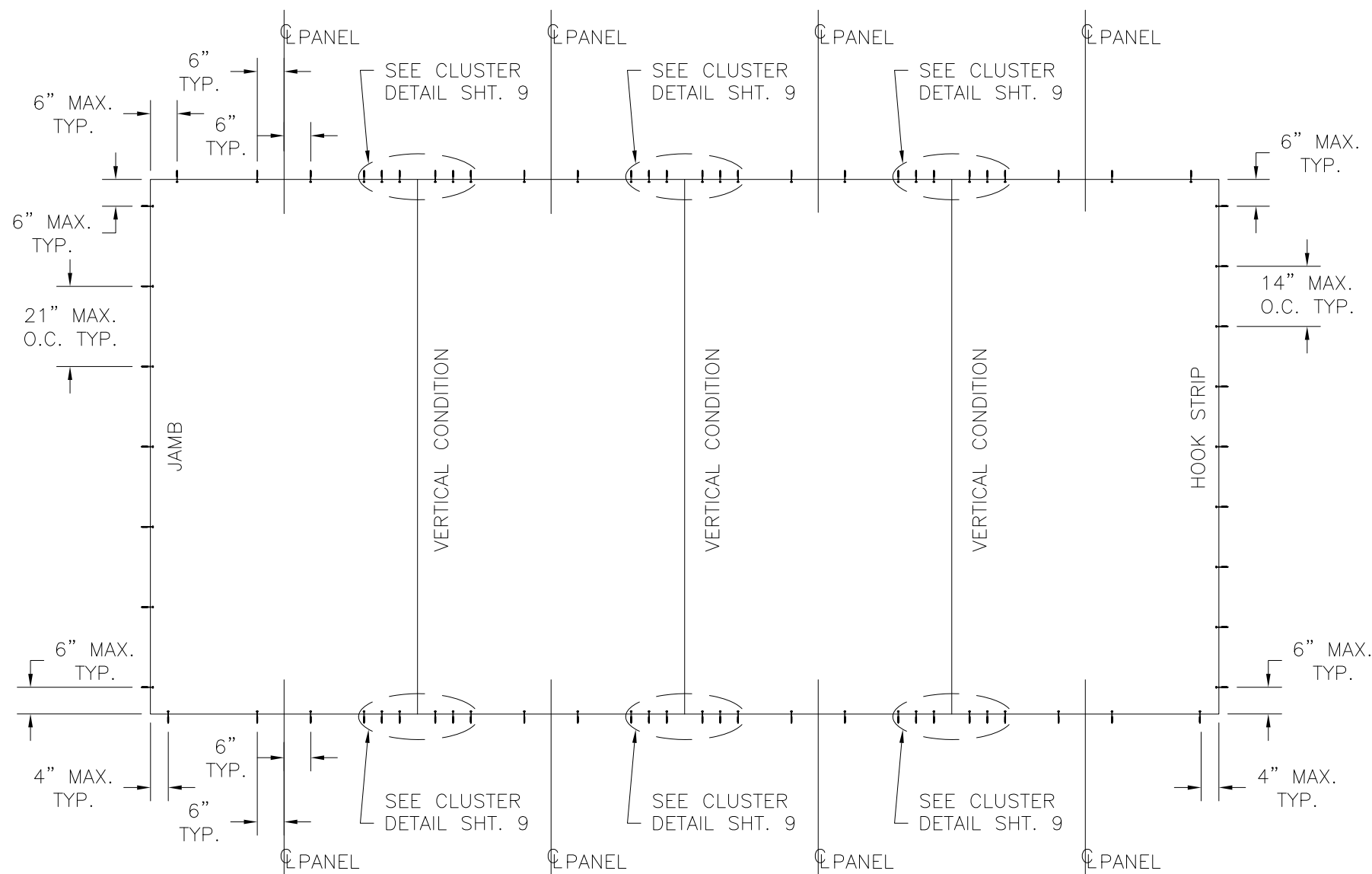
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4'0 x 10'0 ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
4PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS

ANCHORING NOTES:

- 1) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE TWO ANCHORS AT EACH LOCATION IN HEAD, SILL AND JAMBS.
- 2) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
- 3) FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK 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 AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 5) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
- 6) ALL FASTENERS TO BE CORROSION RESISTANT.
- 7) 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 2,700 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING.

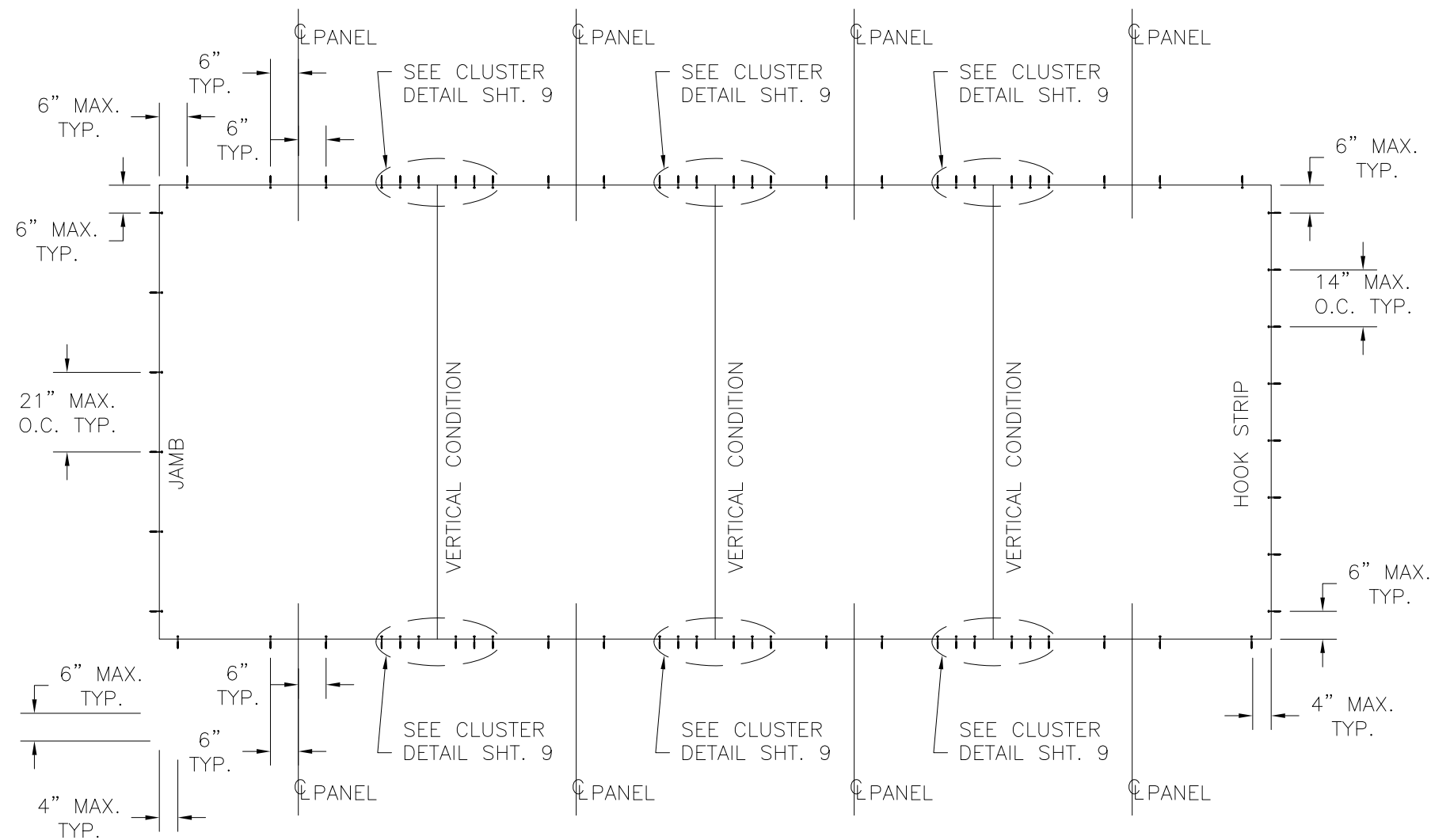
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5'0 x 8'2 ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
 4PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS

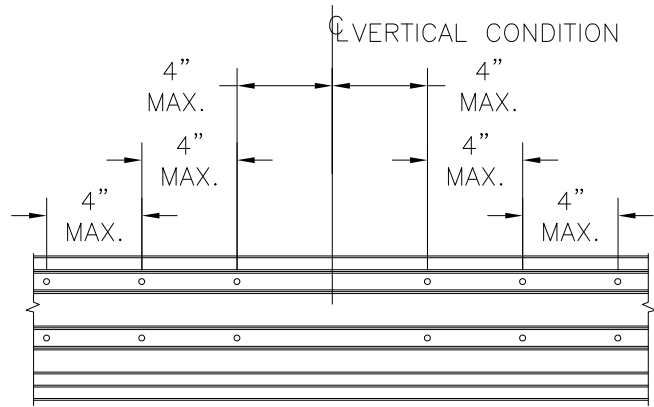
FOR ANCHORING NOTES SEE SHEET 7.

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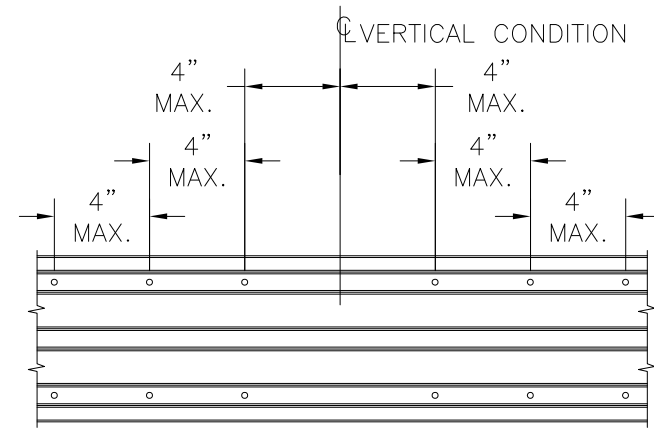
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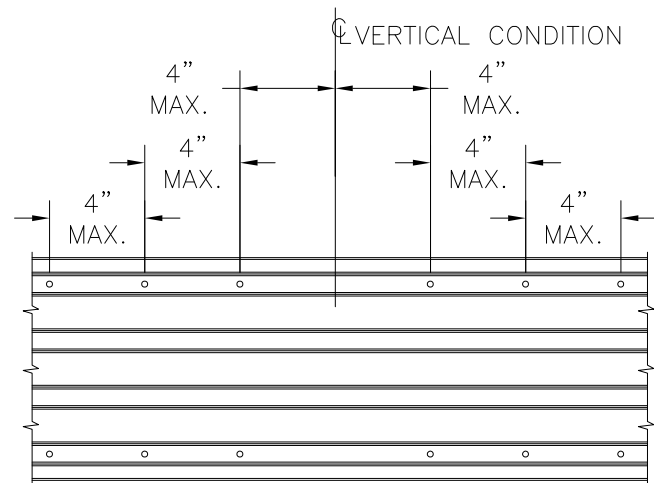
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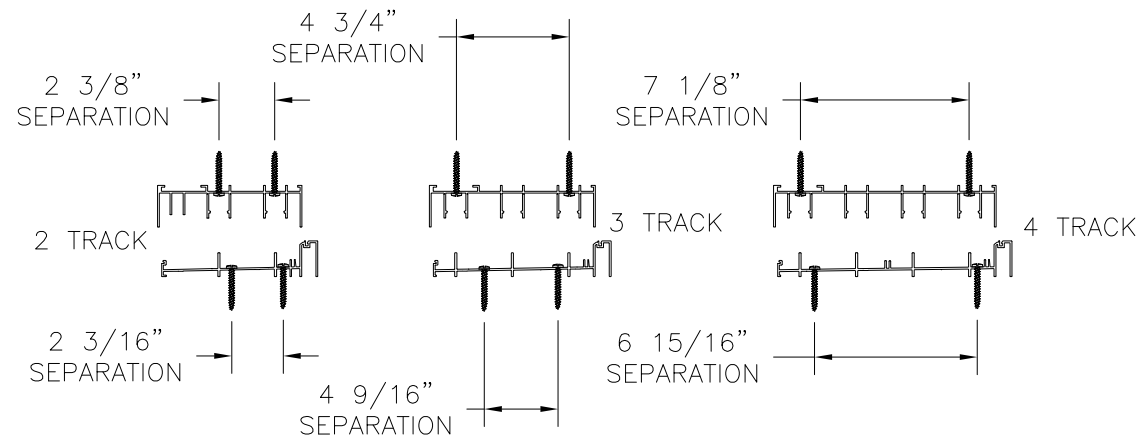
CLUSTER DETAIL
2-TRACK SYSTEM



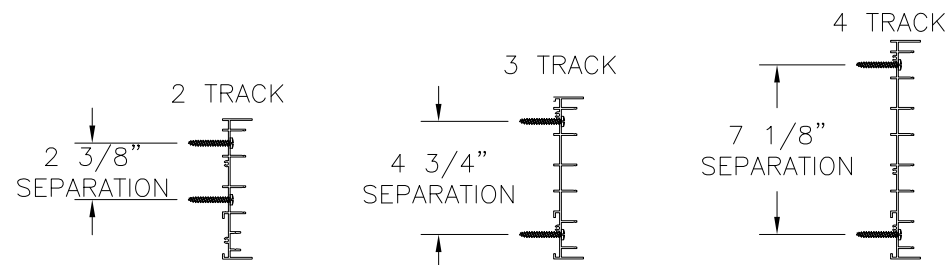
CLUSTER DETAIL
3-TRACK SYSTEM



CLUSTER DETAIL
4-TRACK SYSTEM



HEAD & SILL ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 16, 17 AND 18



JAMB ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 16, 17 AND 18

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INTERIOR POCKET EXTERIOR POCKET



HOOKSTRIP ANCHOR LOCATIONS
SEE DETAILS IN SHEET 19

PANEL CONSTRUCTION:
ALL PANELS ARE CONSTRUCTED FROM EXTRUDED 6063-T6 ALUMINUM. VERTICAL STILES ARE NOTCHED TO RECEIVE HORIZONTAL RAILS. EACH RAIL IS SECURED TO STILES WITH (3) #10 x 1 1/4" SQ. DRIVE SCREW AT EACH END, ITEM #47. ALL PANELS HAVE AN INTERIOR AND EXTERIOR APPLIED GLAZING STOP.

FRAME CONSTRUCTION:
EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO JAMBS WITH #7 x 1" TYPE F SCREW, ITEM #48, (2) AT EACH CORNER ON 2 TRACK AND 3 TRACK FRAME AND (3) AT EACH CORNER ON 4 TRACK FRAME.

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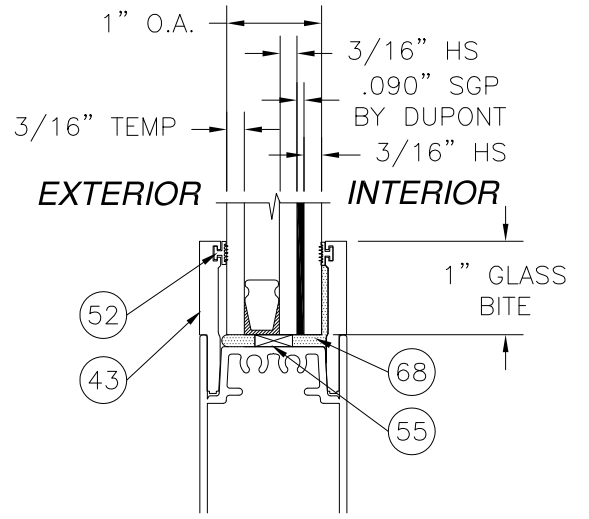
WinDoor INCORPORATED	7500 AMSTERDAM DRIVE ORLANDO, FL 32832	
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8100 SERIES LMI REINFORCED & NON-REINFORCED ANCHORING DETAILS AND NOTES		
DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 9 OF 22



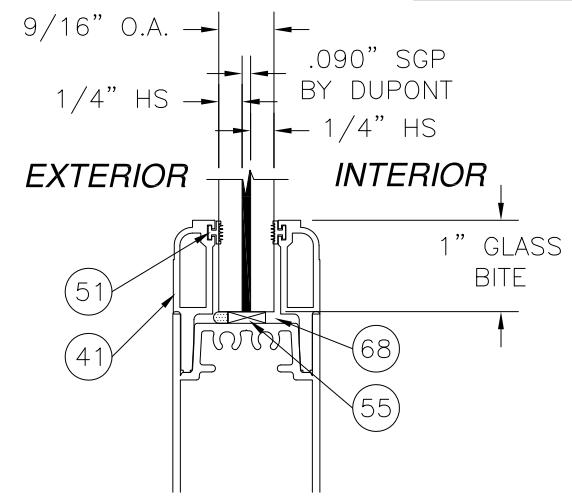
Luis R. Lomas P.E.
Texas No. 101889

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-04641	2 TRACK WS FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
2	FS-04788	2 TRACK WS FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
3	S-44119	2 TRACK NSWS SILL PAN	KEYMARK	ALUMINUM 6063-T6
4	S-44121	2 TRACK WS SILL INSERT	KEYMARK	ALUMINUM 6063-T6
5	S-44116	2 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
6	S-44122	2 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
7	FS-02180	3 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
8	FS-02181	3 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
9	S-44123	3 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
10	S-44117	3 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
11	FS-02071	4 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
12	FS-02070	4 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
13	S-44118	4 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
14	S-22124	4 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
15	FS-01882	FRAME HEAD INSERT	KEYMARK	ALUMINUM 6063-T6
16	FS-01883	FRAME JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
17	FH-01869	TOP RAIL	KEYMARK	ALUMINUM 6063-T6
18	FH-04723	BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
19	FS-04766	TALL BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
20	NPG	PANEL GUIDE		NYLON
21	FH-01871	LOCK STILE	KEYMARK	ALUMINUM 6063-T6
22	FH-05044	INTERLOCK STILE	KEYMARK	ALUMINUM 6063-T6
23	FH-04767	FEMALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
24	FH-04750	MALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
25	FH-04826	FEMALE BUTT STILE INT. OFFSET	KEYMARK	ALUMINUM 6063-T6
26	P7569AM	DUST PAD 1.244" x .5" x 2.34"		
27	FS-04747	BUMPER JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
28	FS-04754	PLAIN STILE INTERLOCK	KEYMARK	ALUMINUM 6063-T6
29	FS-04755	PLAIN STILE INTERLOCK COVER	KEYMARK	ALUMINUM 6063-T6
30	FS-05382	INTERLOCK SNAP COVER	KEYMARK	ALUMINUM 6063-T6
31	FS-02726	STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
32	FS-02726	PANEL STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
33		NOT USED		
34		NOT USED		
35	FH-03653	3" SILL RISER	KEYMARK	ALUMINUM 6063-T6
36	FH-03654	3 1/2" SILL RISER	KEYMARK	ALUMINUM 6063-T6
37	FH-03655	4 1/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
38	FS-02173	HOOK STRIP	KEYMARK	ALUMINUM 6063-T6
39	FS-04476	HOOK STRIP WALL COVER	KEYMARK	ALUMINUM 6063-T6
40	FS-04477	HOOK STRIP WALL MOUNT	KEYMARK	ALUMINUM 6063-T6
41	FH-01877	9/16" HORIZONTAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
42	FH-01878	9/16" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6

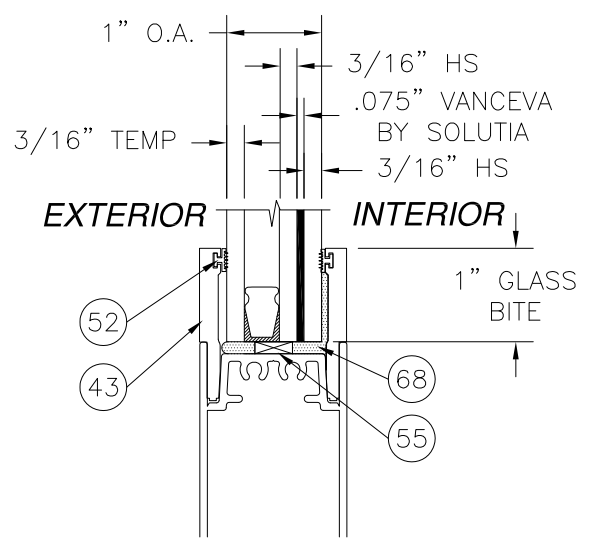
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A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



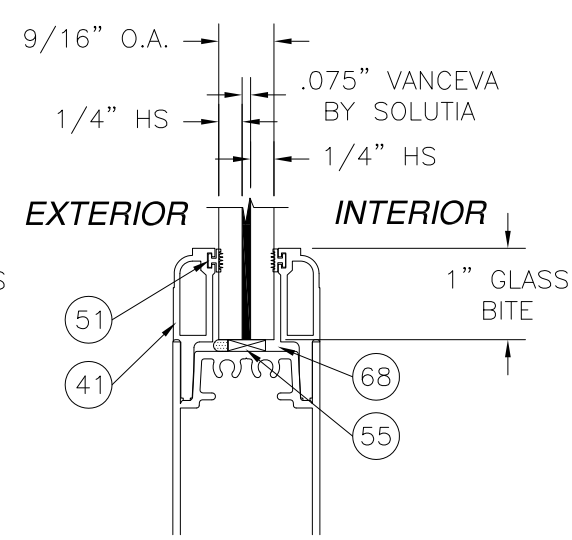
GLAZING TYPE A
LARGE MISSILE IMPACT
REINFORCED UNITS



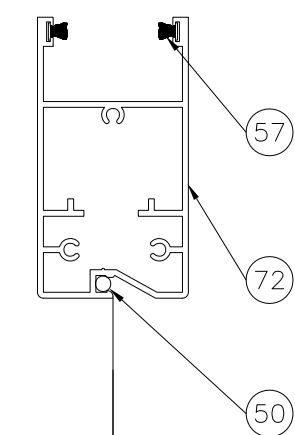
GLAZING TYPE C
LARGE MISSILE IMPACT
REINFORCED UNITS



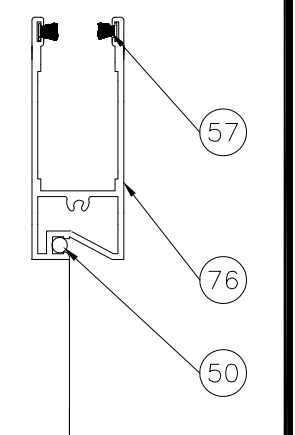
GLAZING TYPE B
LARGE MISSILE IMPACT
REINFORCED UNITS



GLAZING TYPE D
LARGE MISSILE IMPACT
REINFORCED UNITS



MT SCREEN
VERTICAL CROSS
SECTION
TO BE USED WITH 2TRACK,
2TRACK RETRO, 3TRACK
AND 4TRACK FRAME SYSTEMS



BOX SCREEN
VERTICAL CROSS
SECTION
TO BE USED WITH 2TRACK WS
AND 2TRACK RETRO WS
FRAME SYSTEMS

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PARTS LIST CONTINUED
ON SHEET 11

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DRAWN: TJH DWG NO. 08-00876 REV C

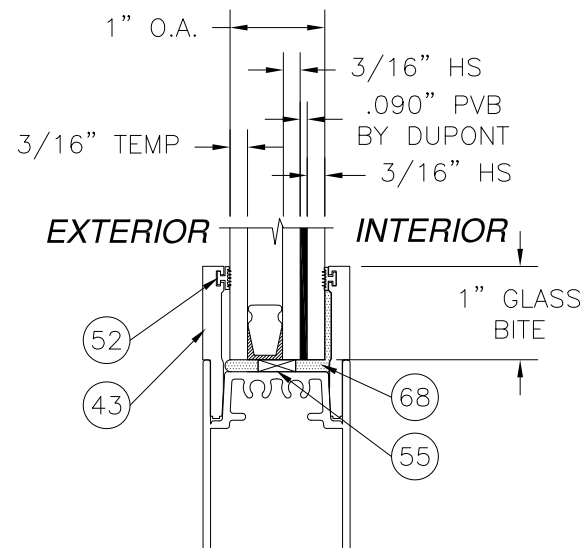
SCALE NTS DATE 12/07/09 SHEET 10 OF 22

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Texas No. 101889

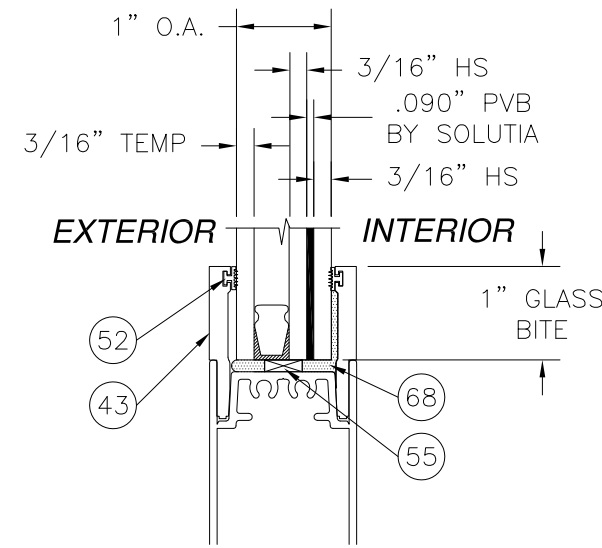
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
43	FS-01879	1" HORIZONTAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
44	FS-01880	1" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
45	FH-02642	6000 BUTT STILE REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
46	FH-05045	INTERLOCK REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
47	FH-03916	FEMALE BUTT STILE REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
48	FS-02210	FRAME HEAD COVER	KEYMARK	ALUMINUM 6063-T6
49	FS-02208	SILL COVER	KEYMARK	ALUMINUM 6063-T6
50		SCREEN SPLINE		
51	TP983	9/16" GLAZING VINYL		VINYL
52	TP1051	1" GLAZING VINYL		VINYL
53	#1988-9000	TANDEM ROLLER		
54	2468	DUAL POINT MORTISE LOCK & KEEPER		
55	TP990	GLASS SETTING BLOCK		
56	TP876	INTERLOCK BUMPER		RUBBER
57	W333517K0000	FINSEAL .187 x .350		
58	W332217K0000	FINSEAL .187 x .240		
59	W231417K0000	FINSEAL .187 x .140		
60	131017	#8 x 1/2" PH TEK SCREW		
61	S-44115	2 TRACK NS INSERT		
62	131018	#8 x 3/8" PH TYPE B SS		18-8 SS
63	131004	#10 x 1 1/4" TYPE F SS		
64	131020	#7 x 5/8" PH TYPE A SS		410 SS
65	131011	#8 x 2" FH TEK SCREW		410 SS
66	131009	#10 x 3/4" FH TEK SCREW		410 SS
67	LCS068-N5	SNAP IN SILL GATE		PLASTIC
68	SIKAFAST 552	GLAZING COMPOUND	SIKA	URETHANE
69	S-44114	2 TRACK RETRO SILL PAN	KEYMARK	ALUMINUM 6063-T6
70	S-44120	2 TRACK NS/WS RETRO SILL PAN	KEYMARK	ALUMINUM 6063-T6
71		LMI GLAZING SEE SHEETS 10 AND 11		
72	FH-02727	MT SCREEN TOP/BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
73	FH-02728	MT SCREEN STILE	KEYMARK	ALUMINUM 6063-T6
74	FH-02729	MT SCREEN STILE W/SEAL	KEYMARK	ALUMINUM 6063-T6
75	FS-02730	MT SCREEN ASTRAGAL	KEYMARK	ALUMINUM 6063-T6
76	FH-02300	BOX SCREEN TOP/BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
77	FH-02395	BOX SCREEN STILE	KEYMARK	ALUMINUM 6063-T6
78	FS-02209	BOX SCREEN SWEEP	KEYMARK	ALUMINUM 6063-T6
79	FS-02650	BOX SCREEN ASTRAGAL	KEYMARK	ALUMINUM 6063-T6
80	7500 A04	SIGNATURE HANDLE SET		
81	FS-02068	2 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
82	FS-02067	2 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
83		#8 x 3/4" PH TEK SCREW		
84		#10 x 3/4" PH TEK SCREW		

**PARTS LIST CONTINUED
FROM SHEET 10**

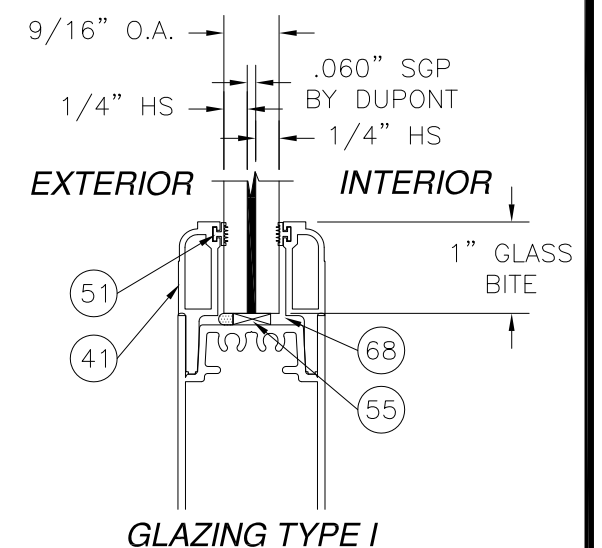
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



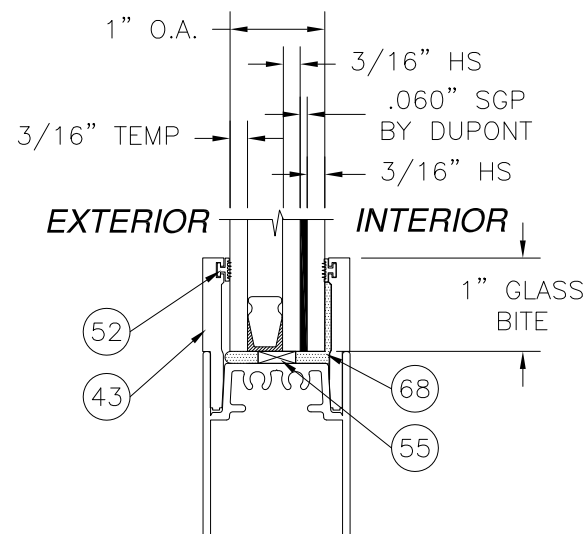
GLAZING TYPE E
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



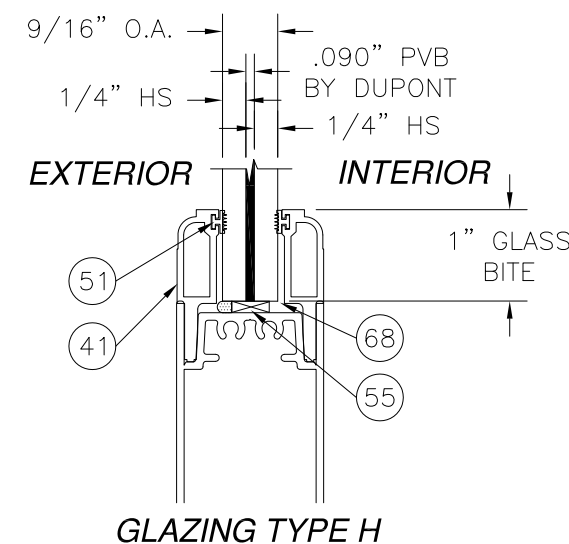
GLAZING TYPE G
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



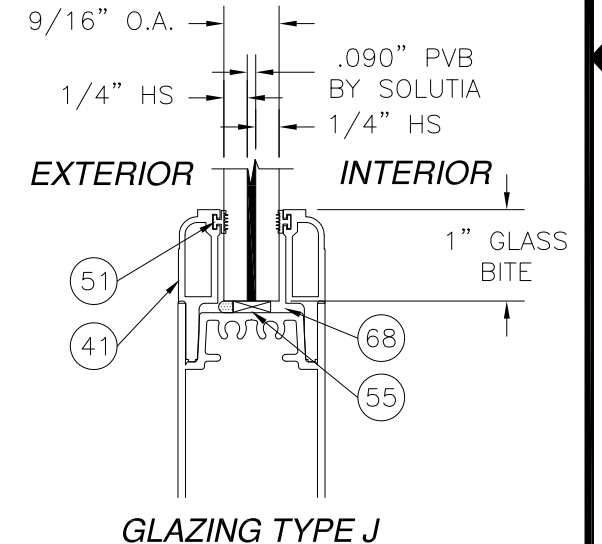
GLAZING TYPE I
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE F
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE H
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE J
LARGE MISSILE IMPACT
NON-REINFORCED UNITS

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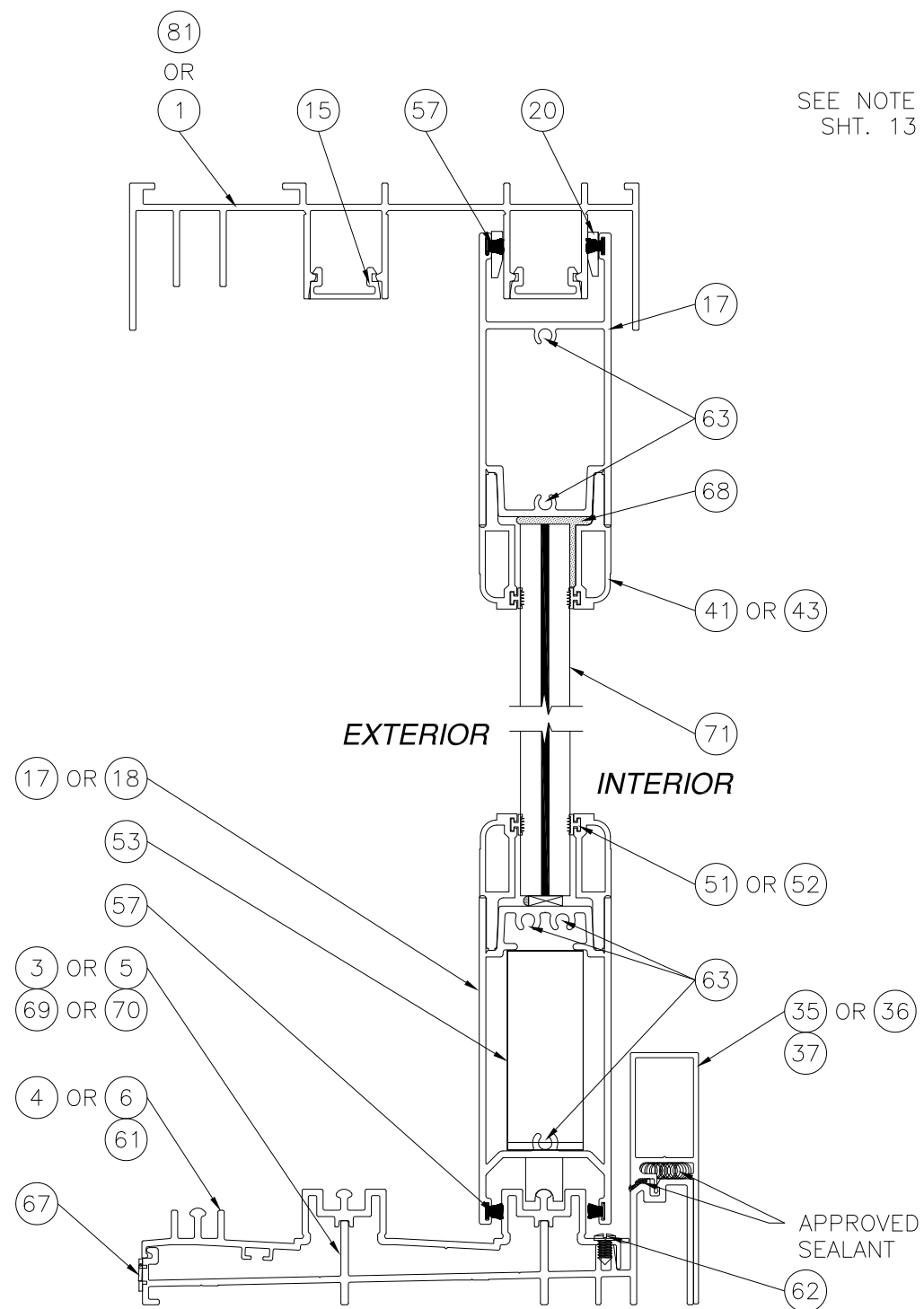
DRAWN: TJH DWG NO. 08-00876 REV C

SCALE NTS DATE 12/07/09 SHEET 11 OF 22

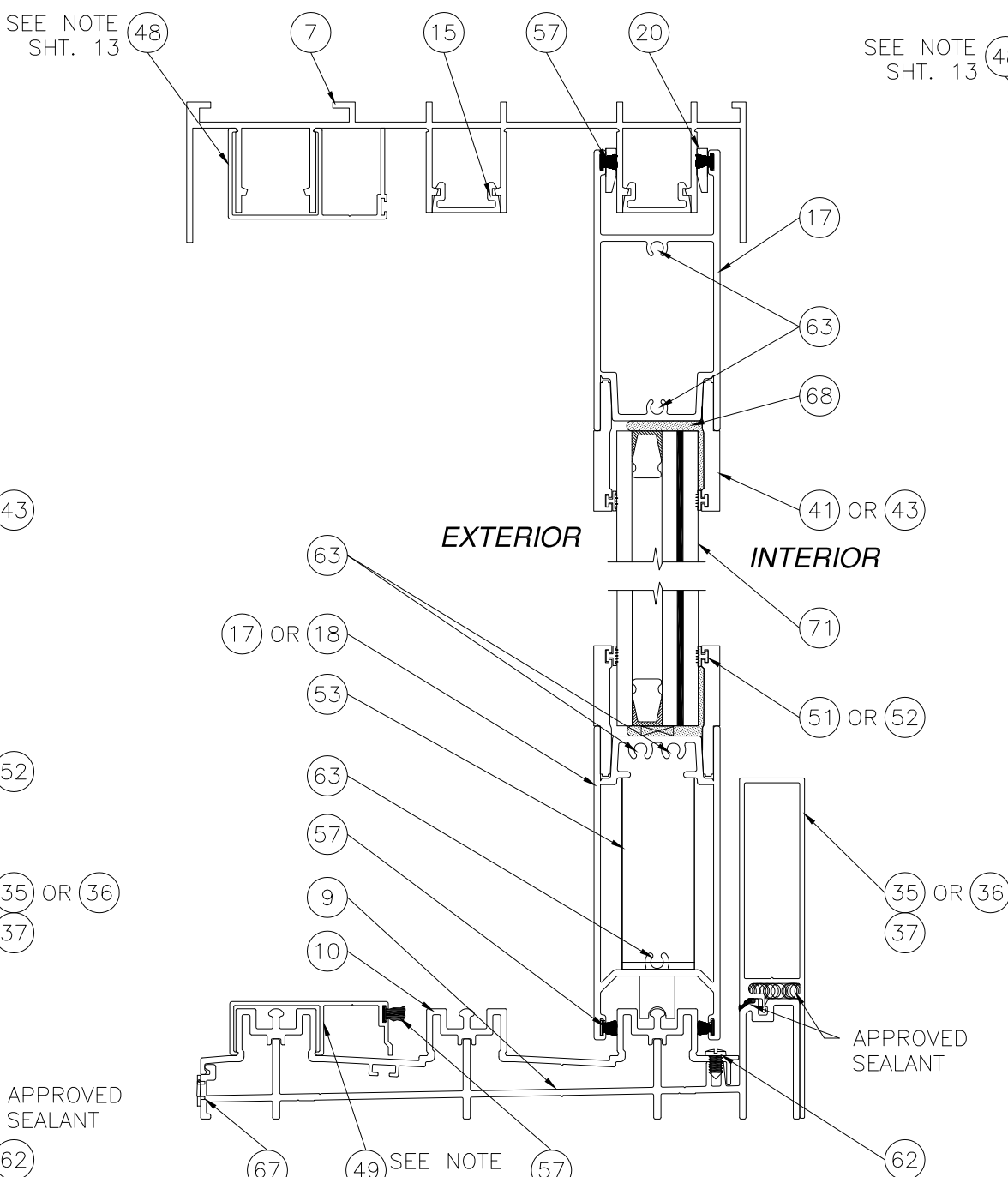


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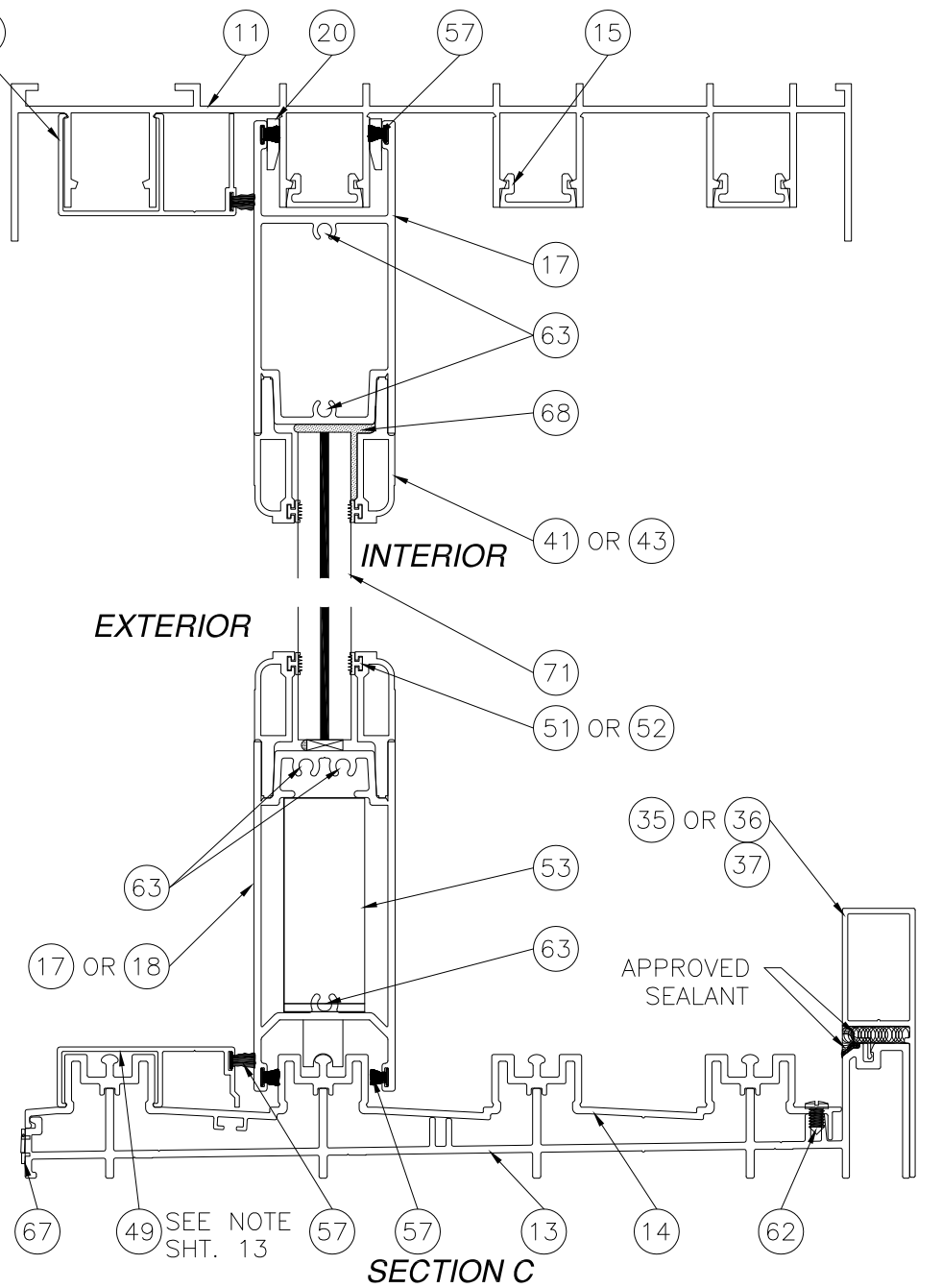
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



SECTION A
2 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN, ALL SILL RISERS MAYBE USED



SECTION B
3 TRACK FRAME SYSTEM WITH 4 1/4" SILL RISER SHOWN, ALL SILL RISERS MAYBE USED



SECTION C
4 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN, ALL SILL RISERS MAYBE USED

NOTE:
SEE SHEETS 16, 17, 18 AND 19 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD AND TRACK SYSTEM. OTHER HEAD AND TRACK SYSTEMS ARE SIMILAR.

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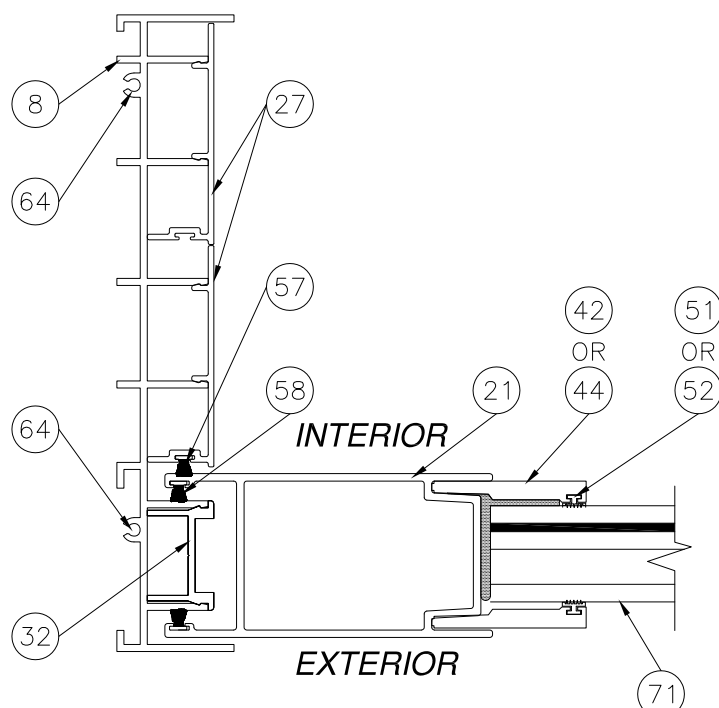
8100 SERIES LMI
REINFORCED & NON-REINFORCED
VERTICAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 12 OF 22

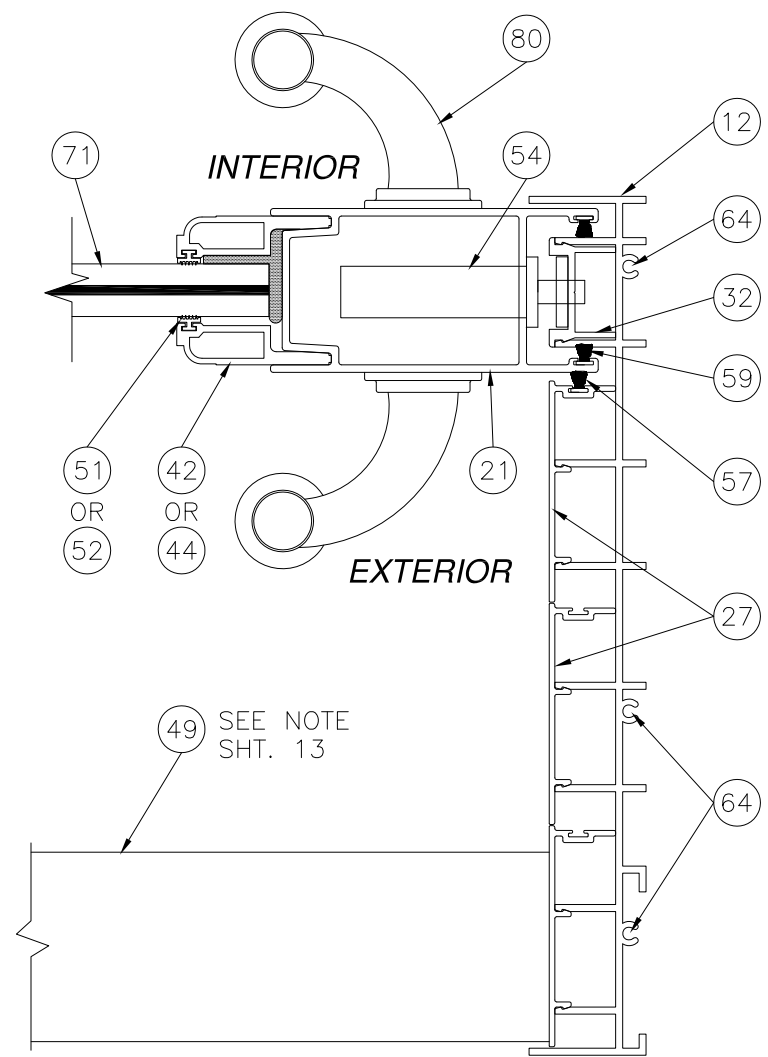


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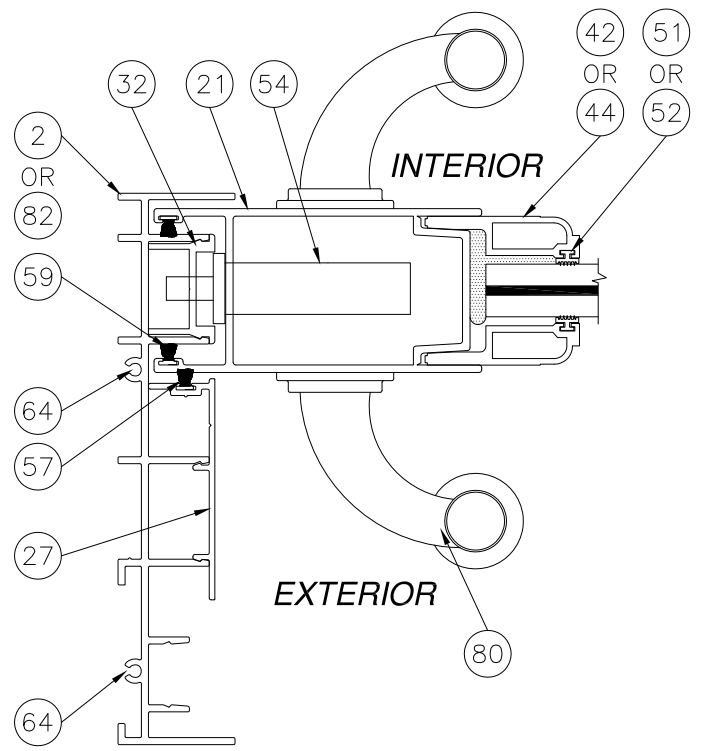
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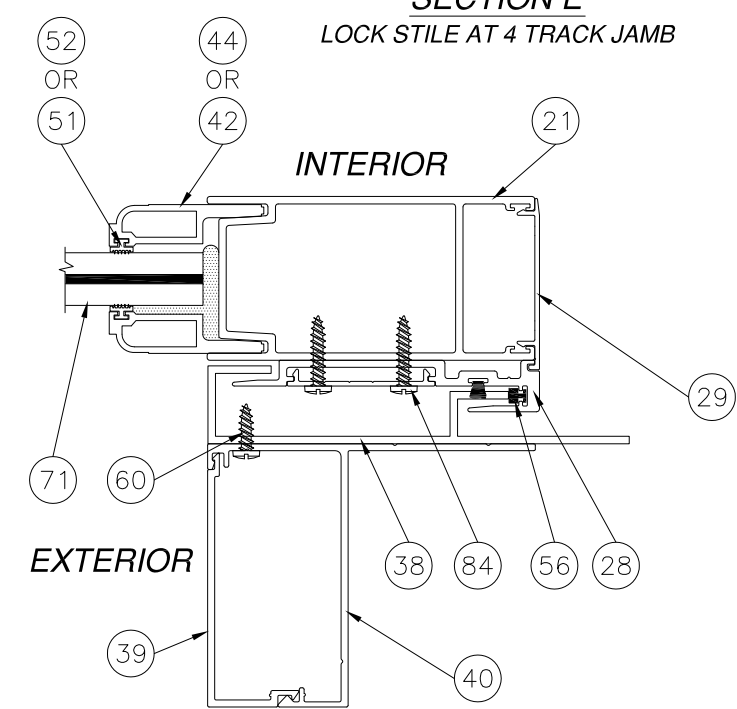
SECTION D
PLAIN STILE AT 3 TRACK JAMB



SECTION E
LOCK STILE AT 4 TRACK JAMB

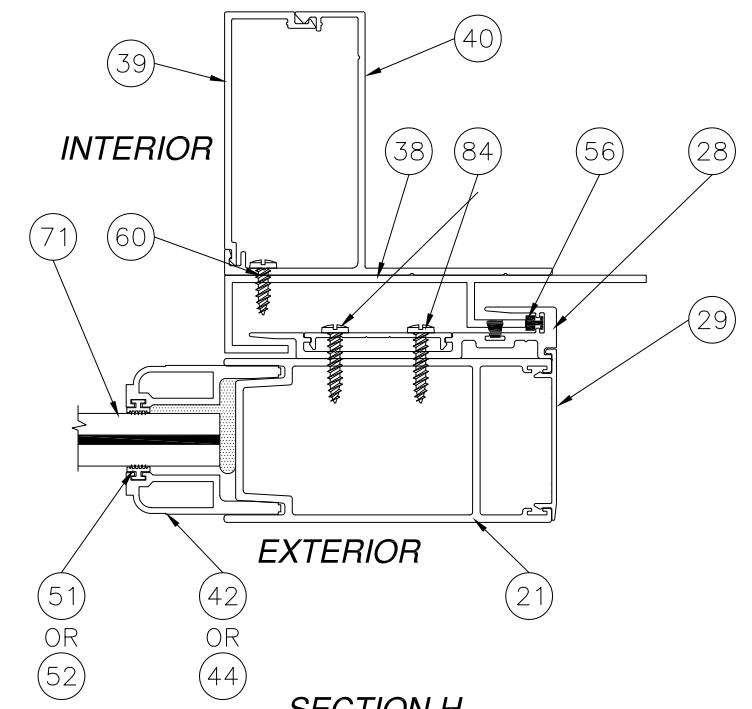


SECTION F
LOCK STILE AT 2 TRACK JAMB



SECTION G
REINFORCED/NON REINFORCED INTERLOCK STILE AT INTERIOR HOOK STRIP

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



SECTION H
REINFORCED/NON REINFORCED INTERLOCK STILE AT EXTERIOR HOOK STRIP

FIXED PANEL NOTE:
ITEM #49, SILL COVER, AND ITEM #48, FRAME HEAD COVER, ARE USED TO SECURE SINGLE OR MULTIPLE FIXED PANELS IN PLACE. DEPENDING ON CONFIGURATION INSTALLED ITEMS #48 AND #49 MAY BE REPLACED WITH ITEM #83 TO SECURE FIXED PANEL IN PLACE. LOCATE ITEM #83 IN INTERIOR AND EXTERIOR OF FIXED PANEL 4" FROM TOP AND BOTTOM AND ONE AT MIDSPAN. SEE SECTIONS "O" AND "U" IN SHEETS 14 AND 15 RESPECTIVELY.

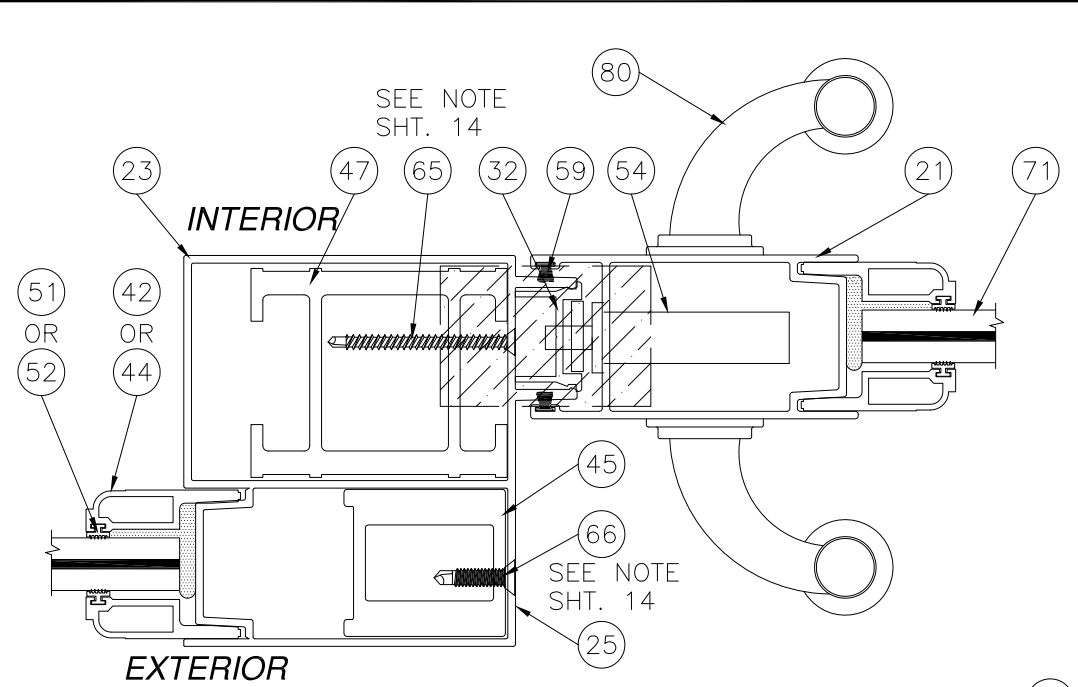
NOTE:
SEE SHEETS 16, 17, 18 AND 19 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD AND TRACK SYSTEM. OTHER HEAD AND TRACK SYSTEMS ARE SIMILAR.

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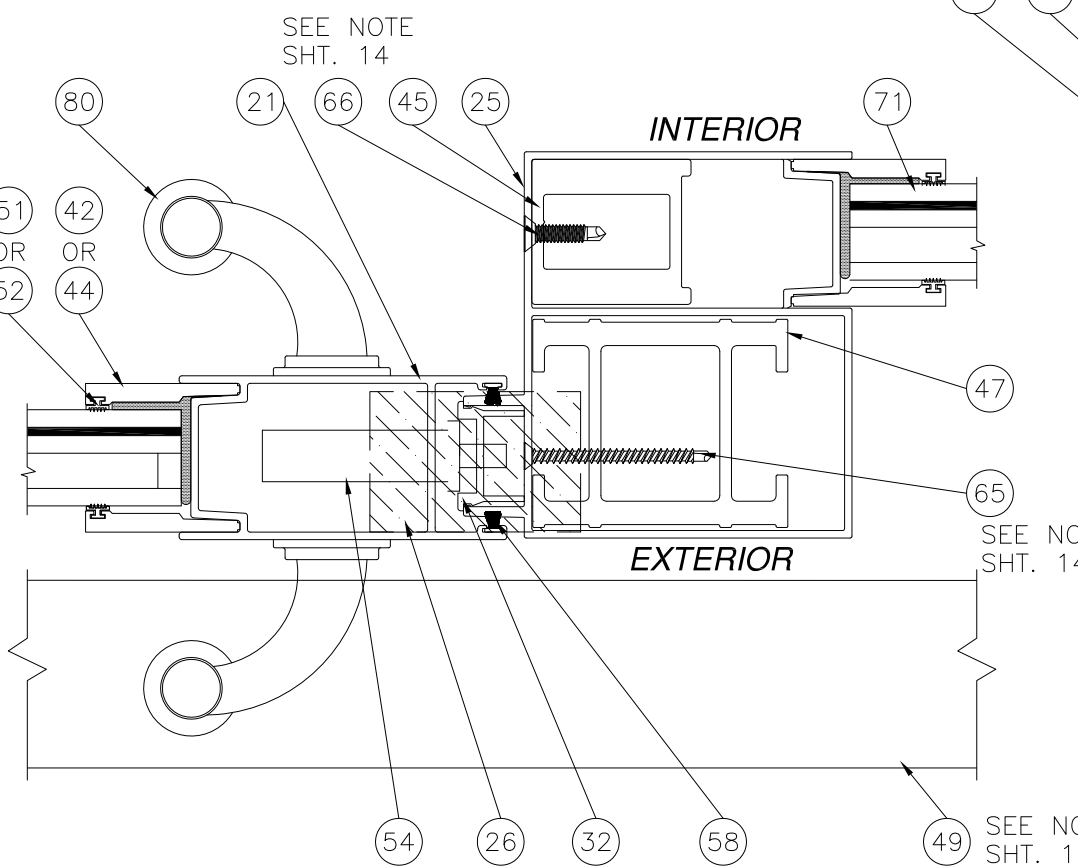
WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com
8100 SERIES LMI REINFORCED & NON-REINFORCED HORIZONTAL CROSS SECTIONS		
DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 13 OF 22



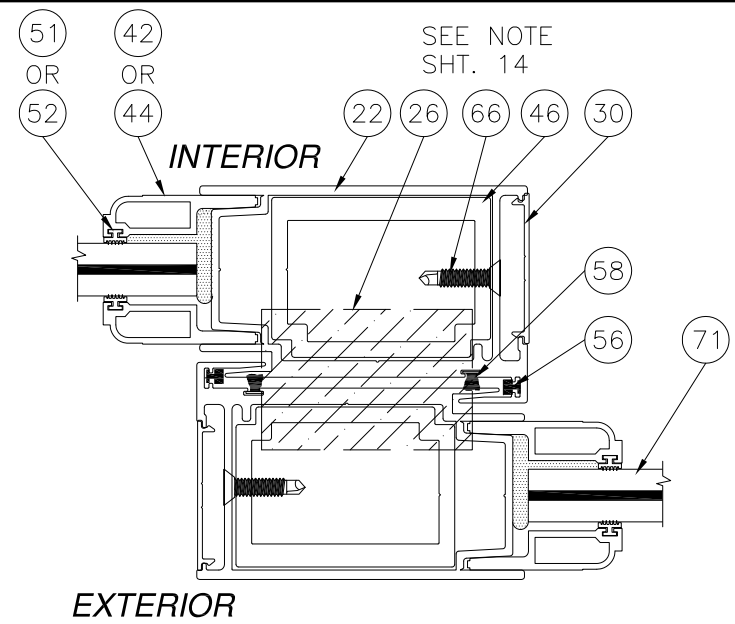
Luis R. Lomas P.E.
Texas No. 101889



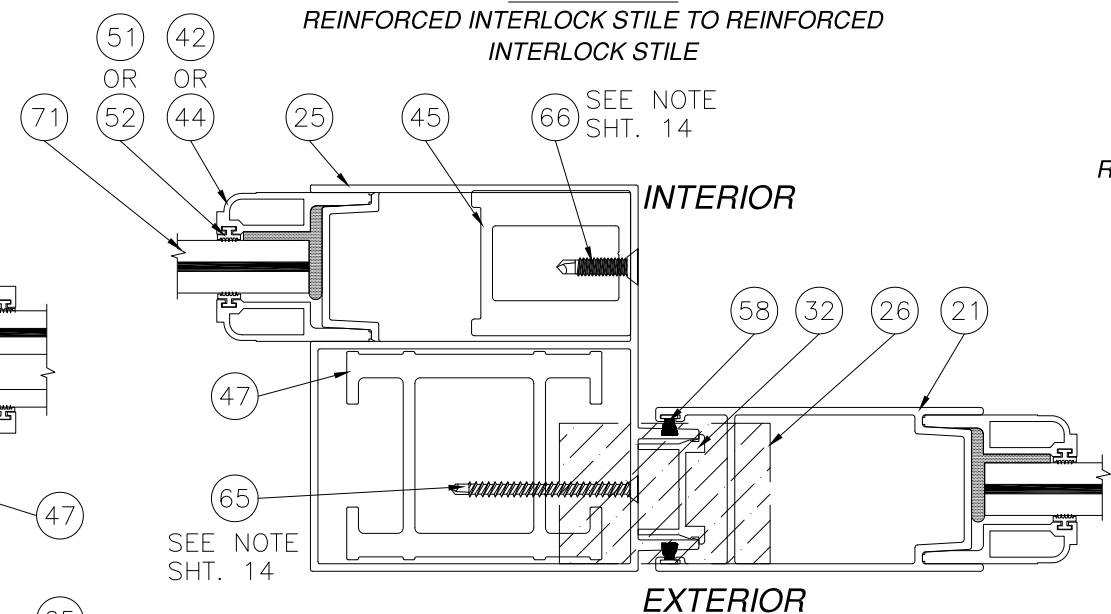
SECTION J
REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



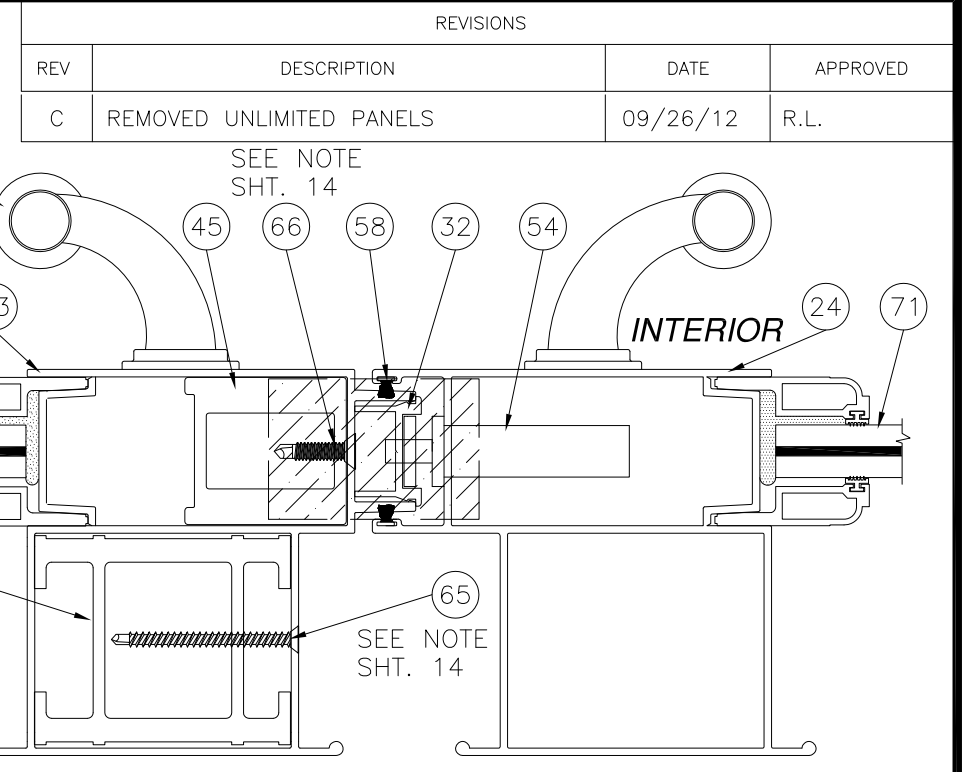
SECTION K
LOCK STILE TO REINFORCED EXTERIOR FIXED BUTT STILE



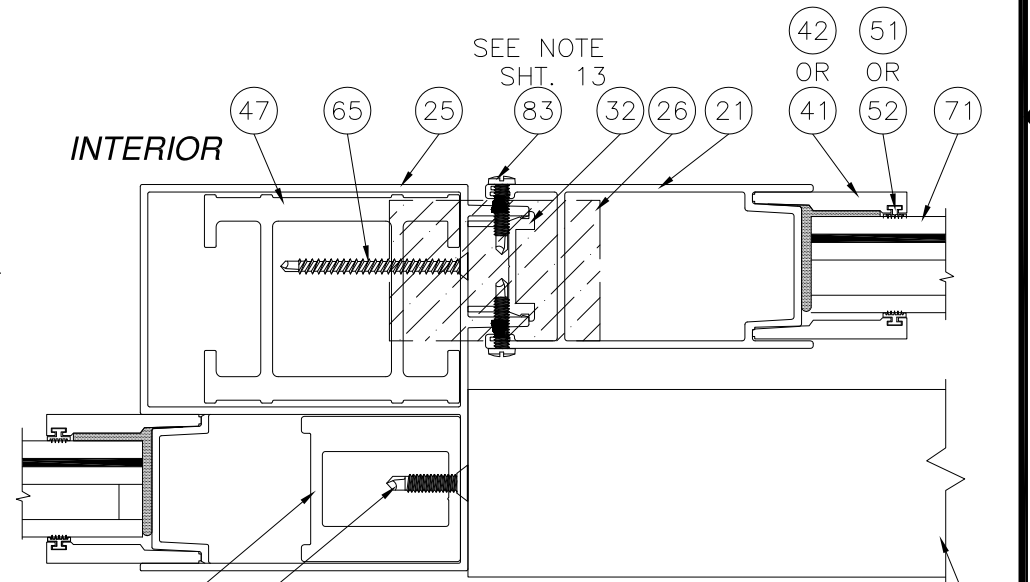
SECTION L
REINFORCED INTERLOCK STILE TO REINFORCED INTERLOCK STILE



SECTION M
REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



SECTION N
REINFORCED MALE BUTT STILE TO REINFORCED LOCKING BUTT STILE



SECTION O
REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.

REINFORCING BAR NOTE:
ITEM #46, INTERLOCK REINFORCING BAR IS SECURED TO INTERLOCK WITH ITEM #66. ITEM #47, FEMALE BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #65. ITEM #45, 6000 BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #66. ALL SCREWS ARE SPACED 6" FROM TOP AND BOTTOM OF STILES AND ONE AT MIDSPAN.

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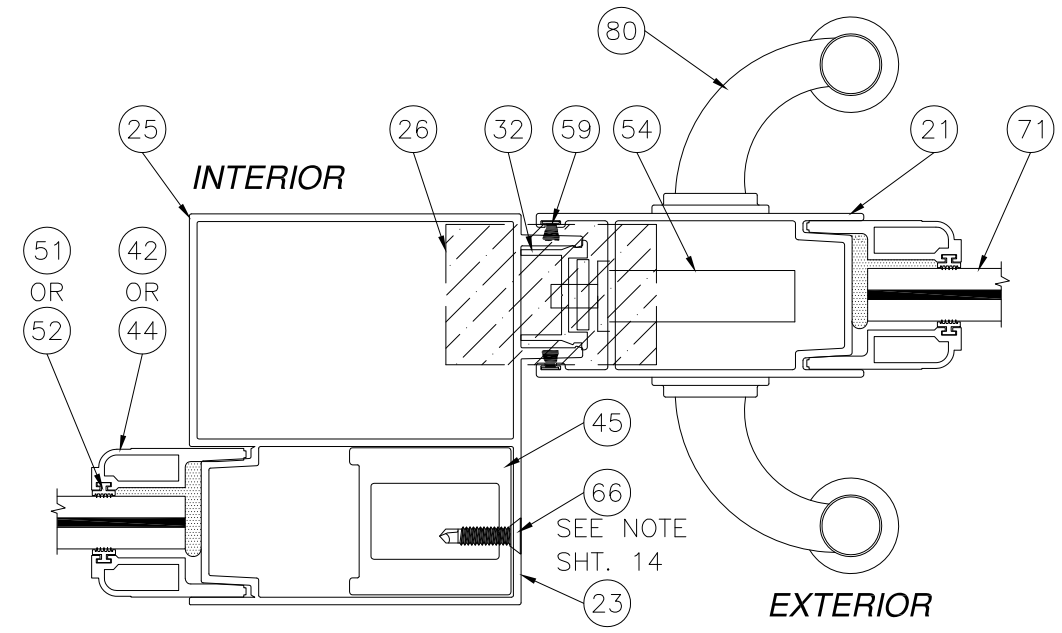
8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 14 OF 22

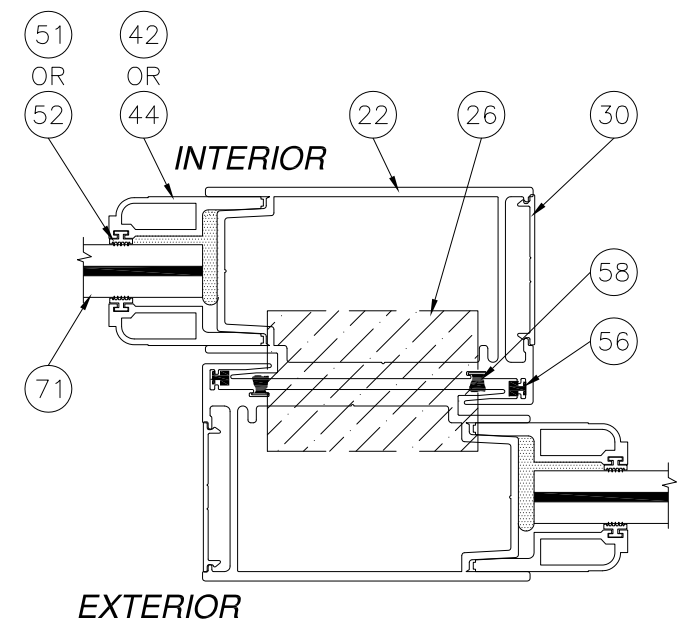
SIGNED: 09/27/2012

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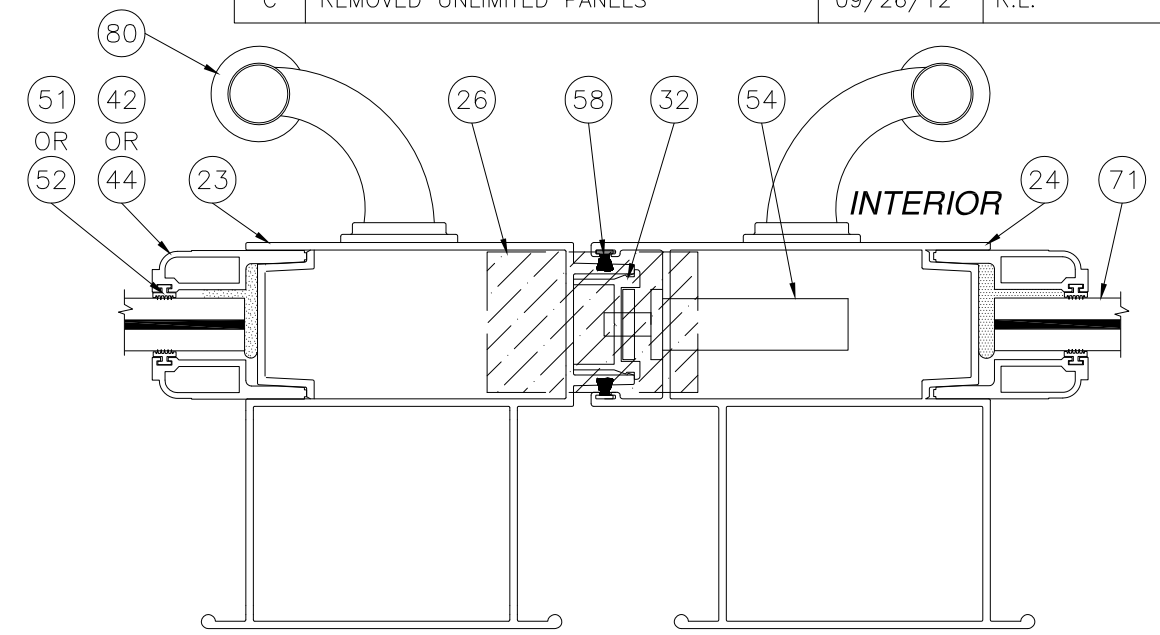
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



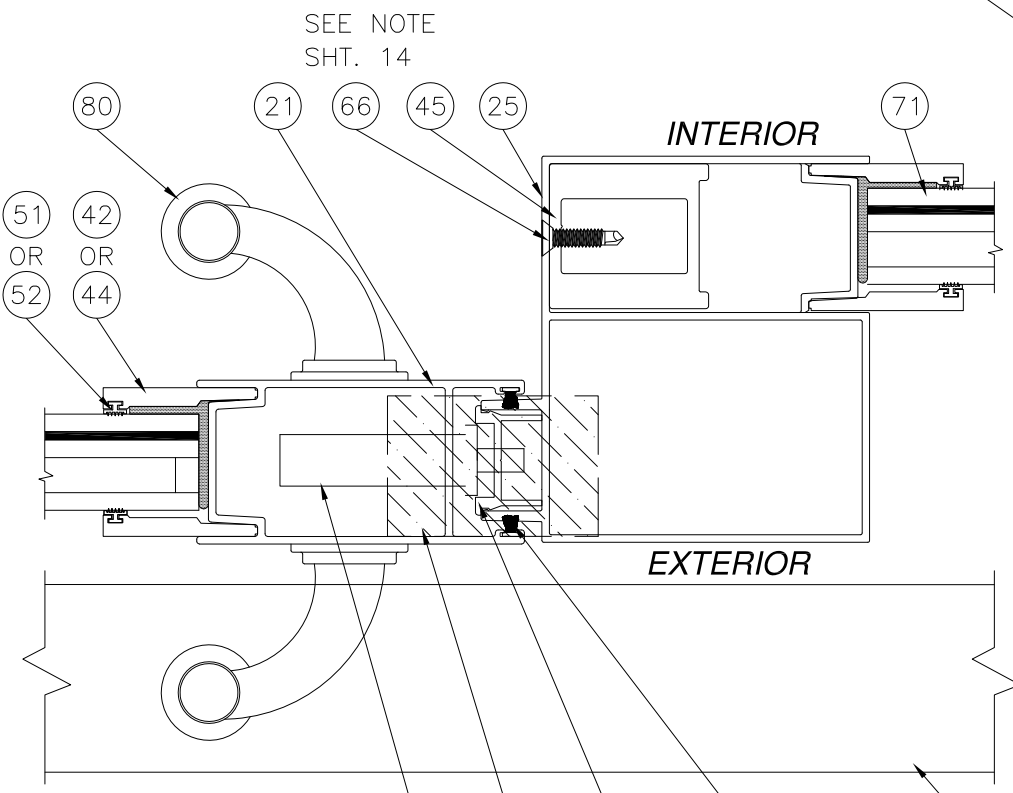
SECTION P
NON-REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



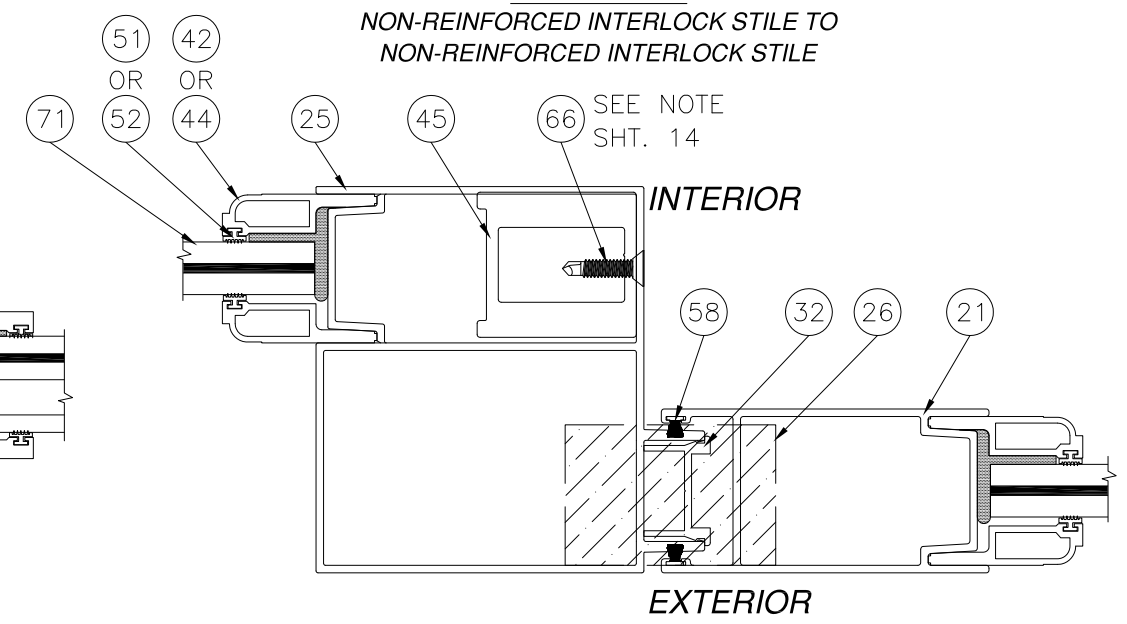
SECTION R
NON-REINFORCED INTERLOCK STILE TO NON-REINFORCED INTERLOCK STILE



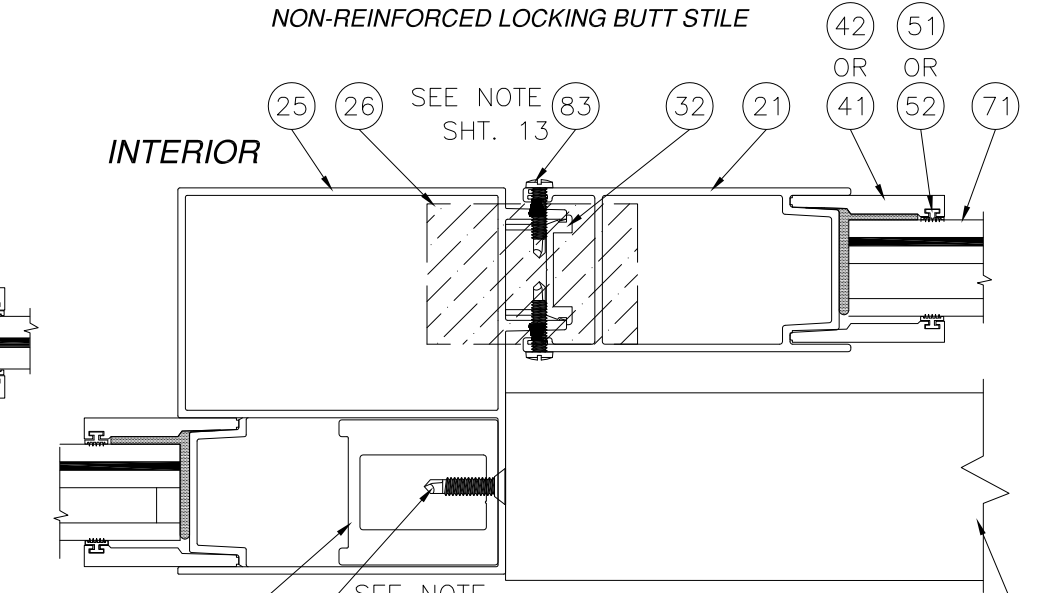
SECTION T
NON-REINFORCED MALE BUTT STILE TO NON-REINFORCED LOCKING BUTT STILE



SECTION Q
LOCK STILE TO NON-REINFORCED EXTERIOR FIXED BUTT STILE



SECTION S
NON-REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



SECTION U
NON-REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

SIGNED: 09/27/2012

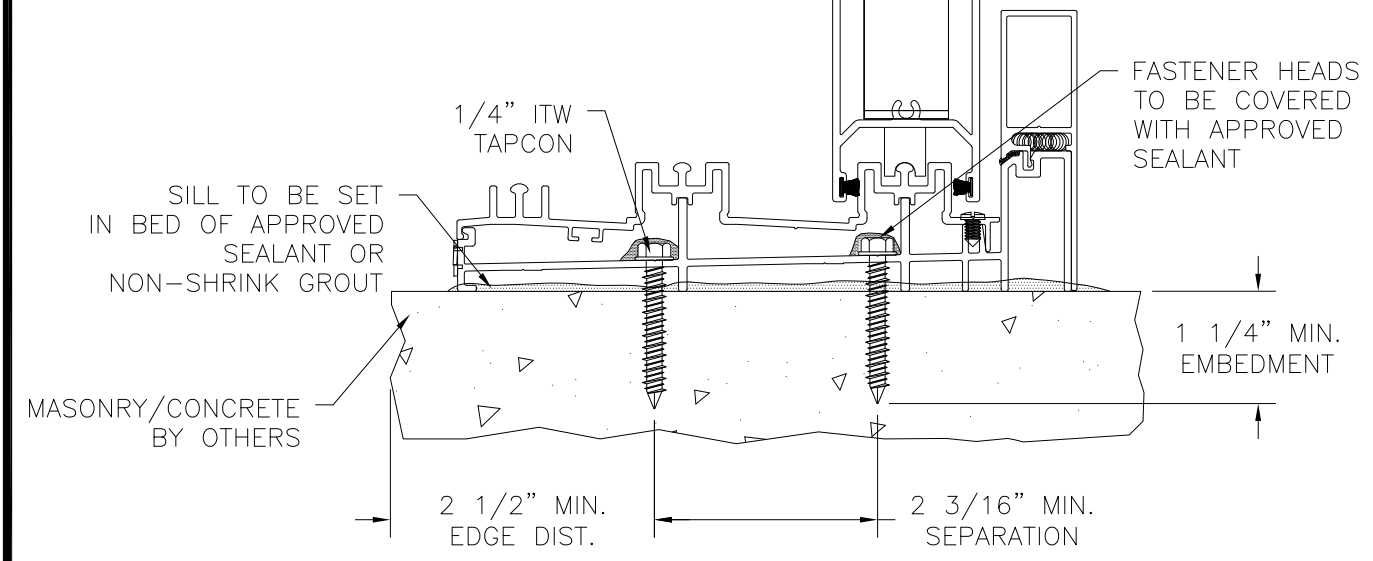
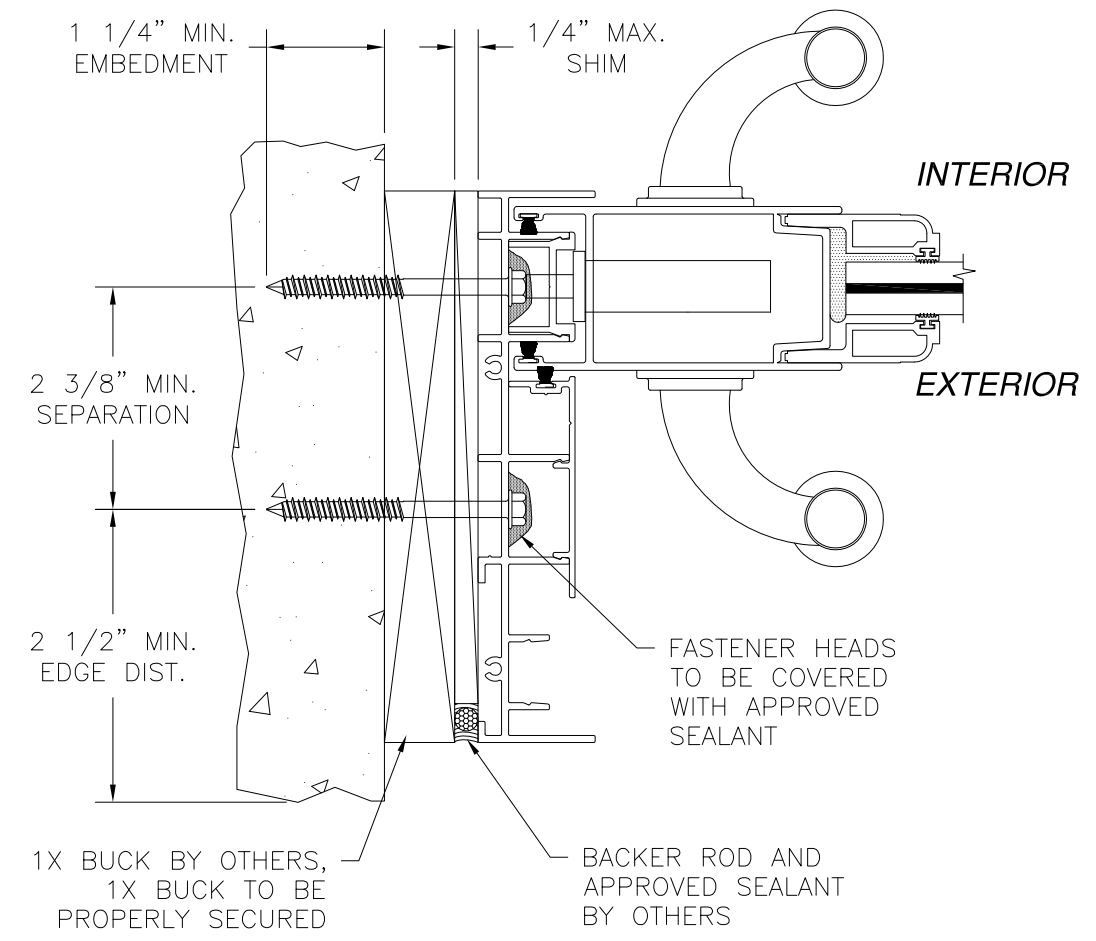
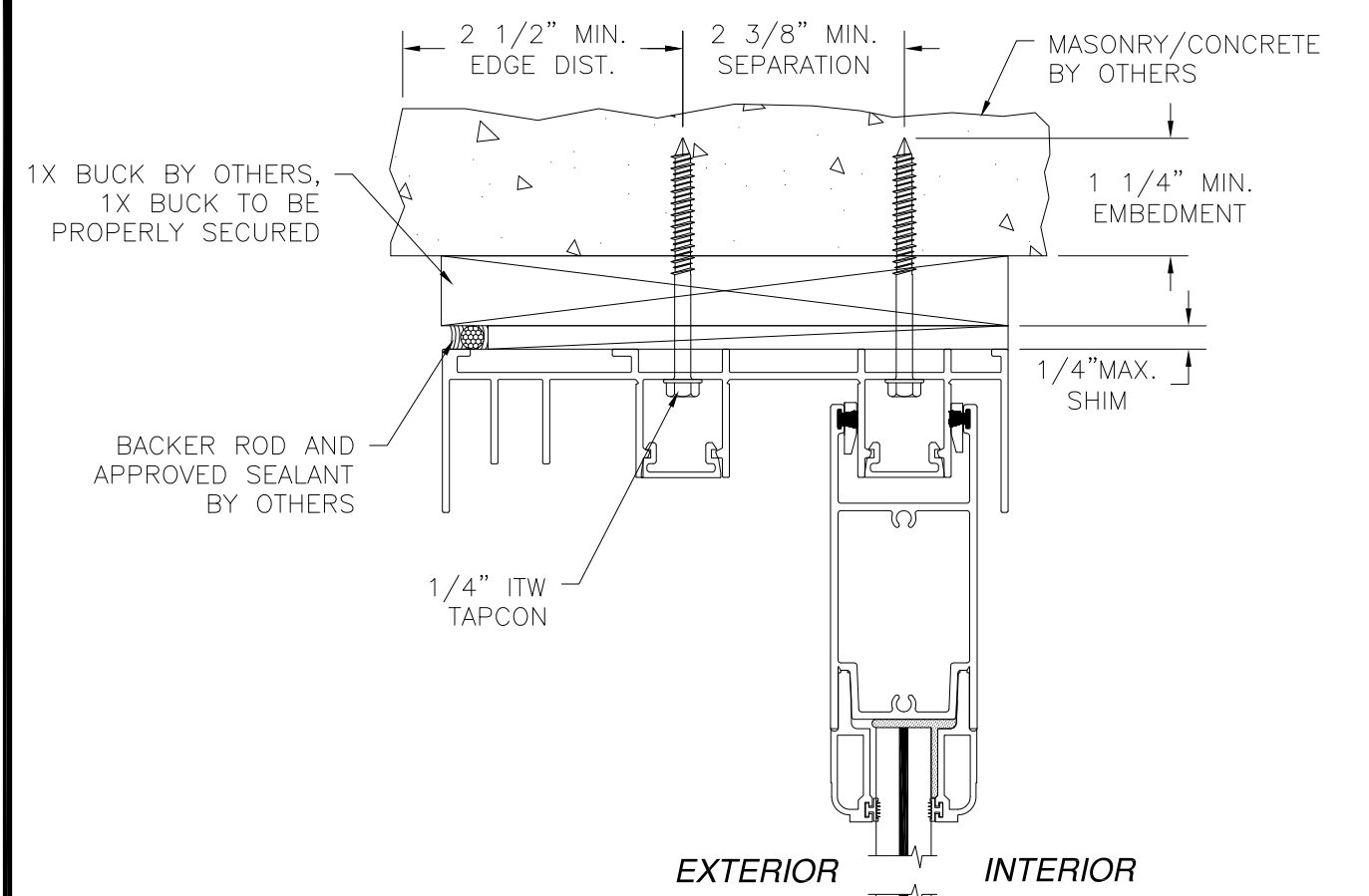
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8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 15 OF 22

Luis R. Lomas P.E.
Texas No. 101889

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION

2 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION, 2 TRACK SHOWN 3 TRACK & 4 TRACK ARE SIMILAR

NOTE:
CONCRETE SUBSTRATE INSTALLATION FOR 2 TRACK SHOWN. ANCHORAGE SIMILAR FOR 3 TRACK AND 4 TRACK SYSTEMS. SEE SHEET 9 FOR ANCHOR SEPARATION.

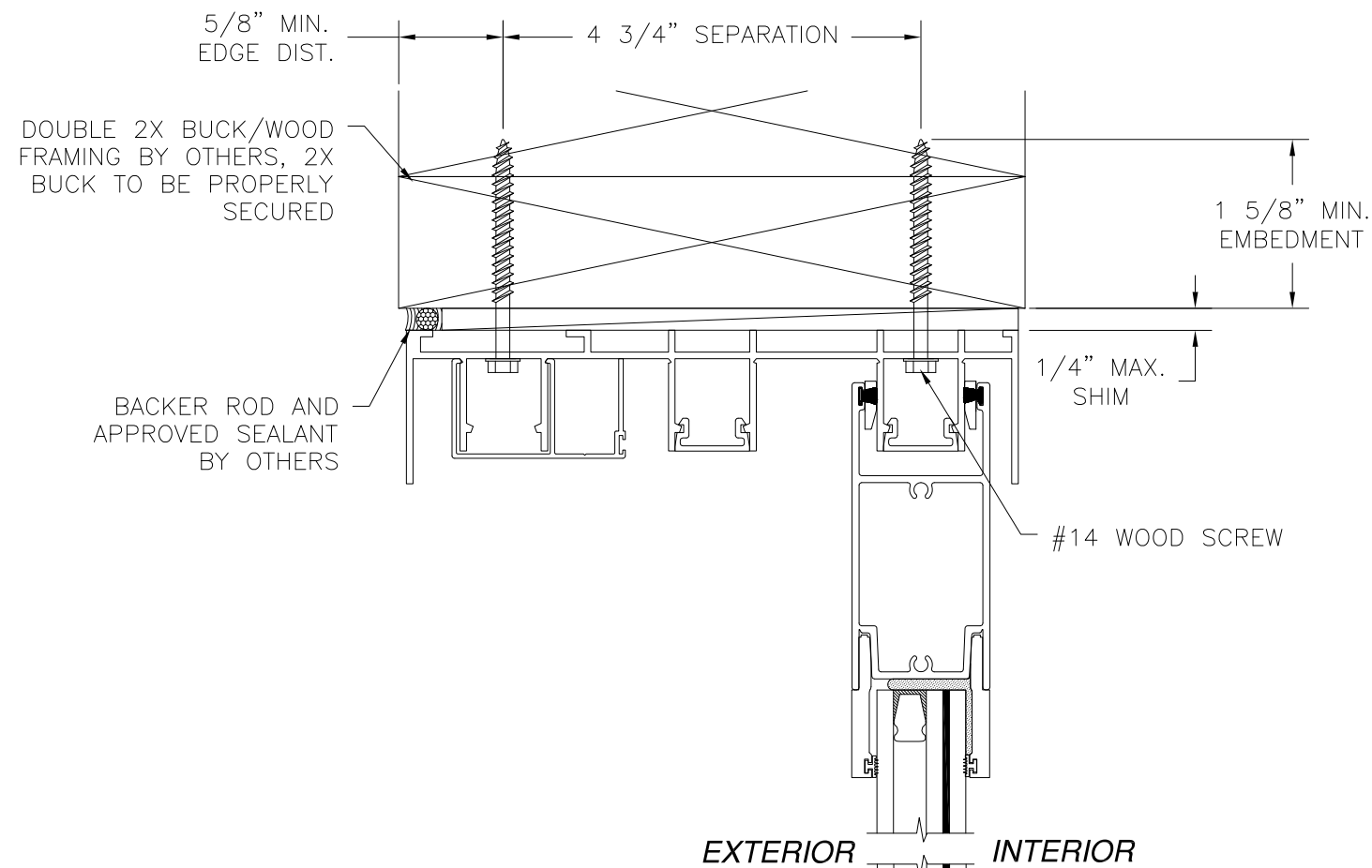
2 TRACK WITH 3" SILL RISER SHOWN 3 TRACK & 4 TRACK ARE SIMILAR. ALL SILL RISERS MAYBE USED

SIGNED: 09/27/2012

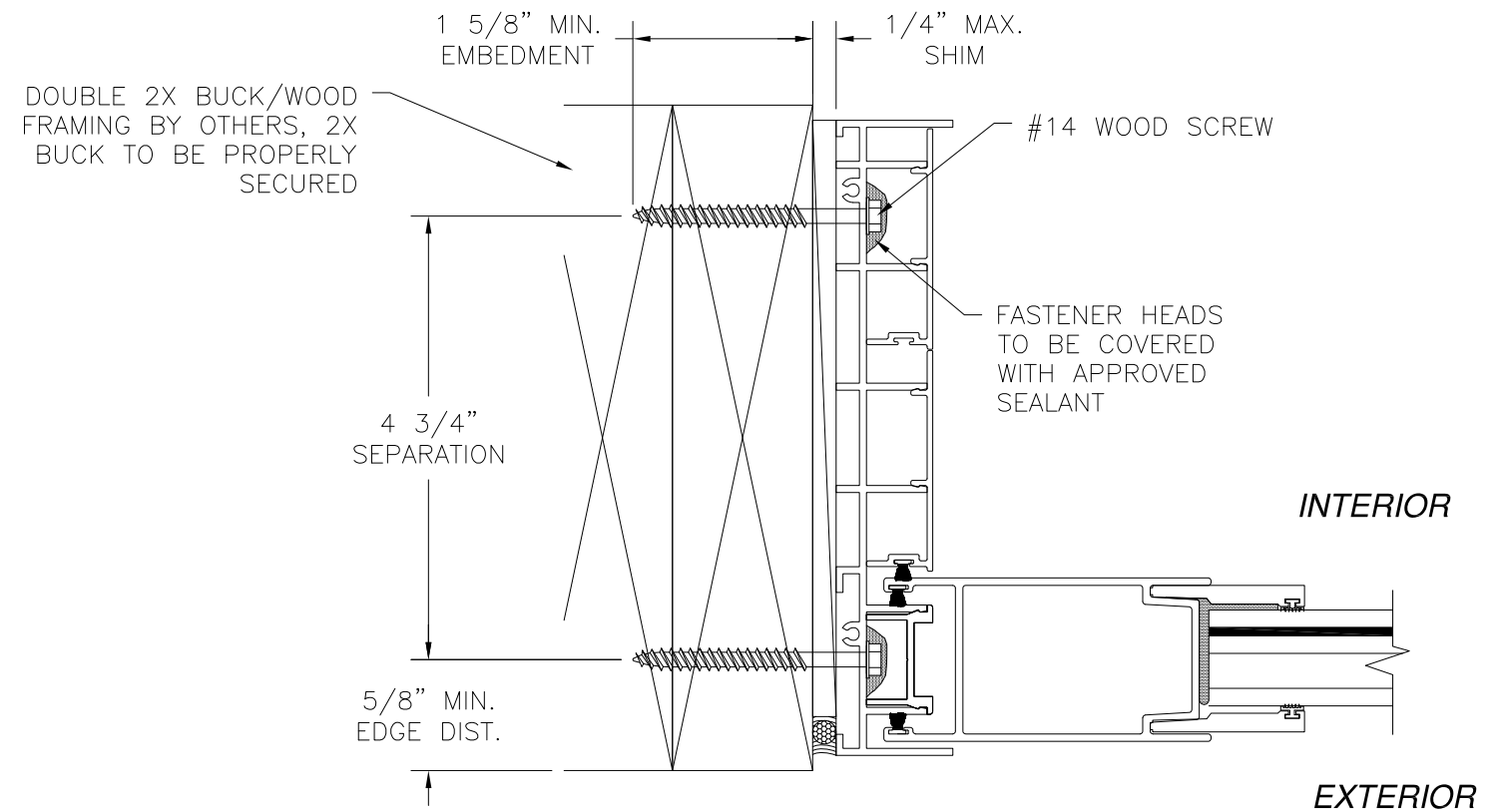
WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com
8100 SERIES LMI REINFORCED & NON-REINFORCED INSTALLATION DETAILS		
DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 16 OF 22



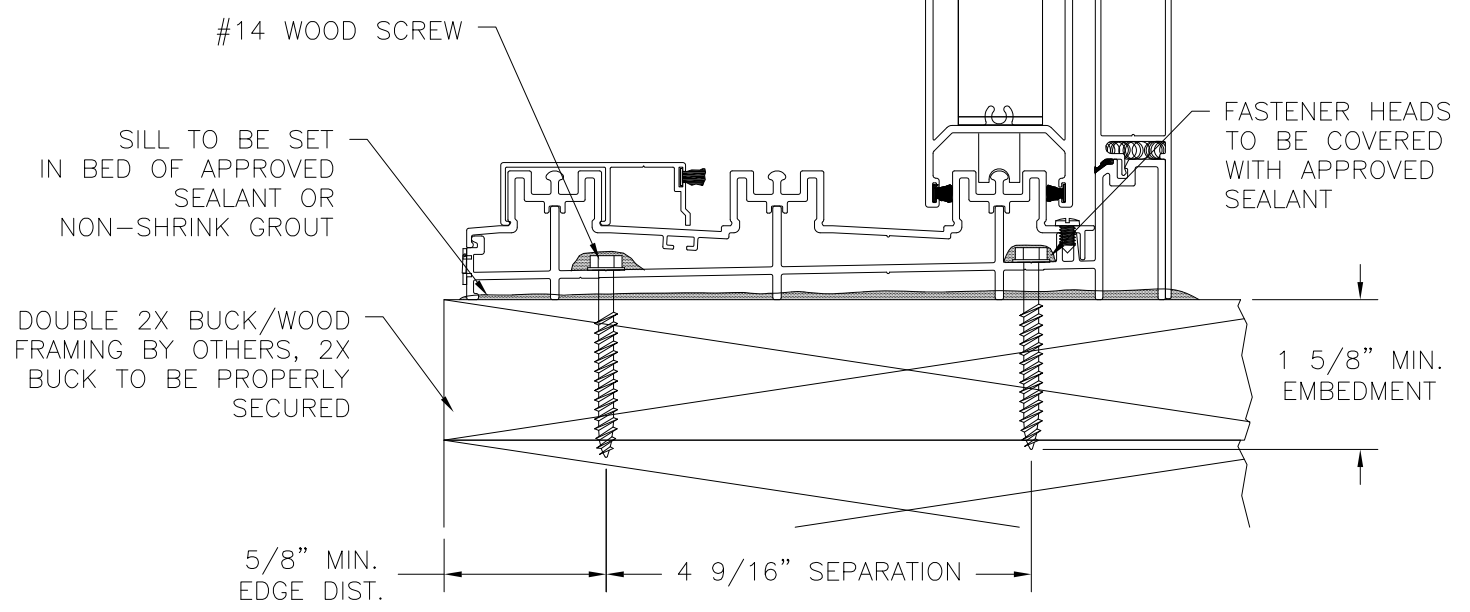
Luis R. Lomas P.E.
Texas No. 101889



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



3 TRACK FRAME JAMB INSTALLATION
 2X BUCK/WOOD FRAME INSTALLATION, 3 TRACK
 SHOWN 2 TRACK & 4 TRACK ARE SIMILAR



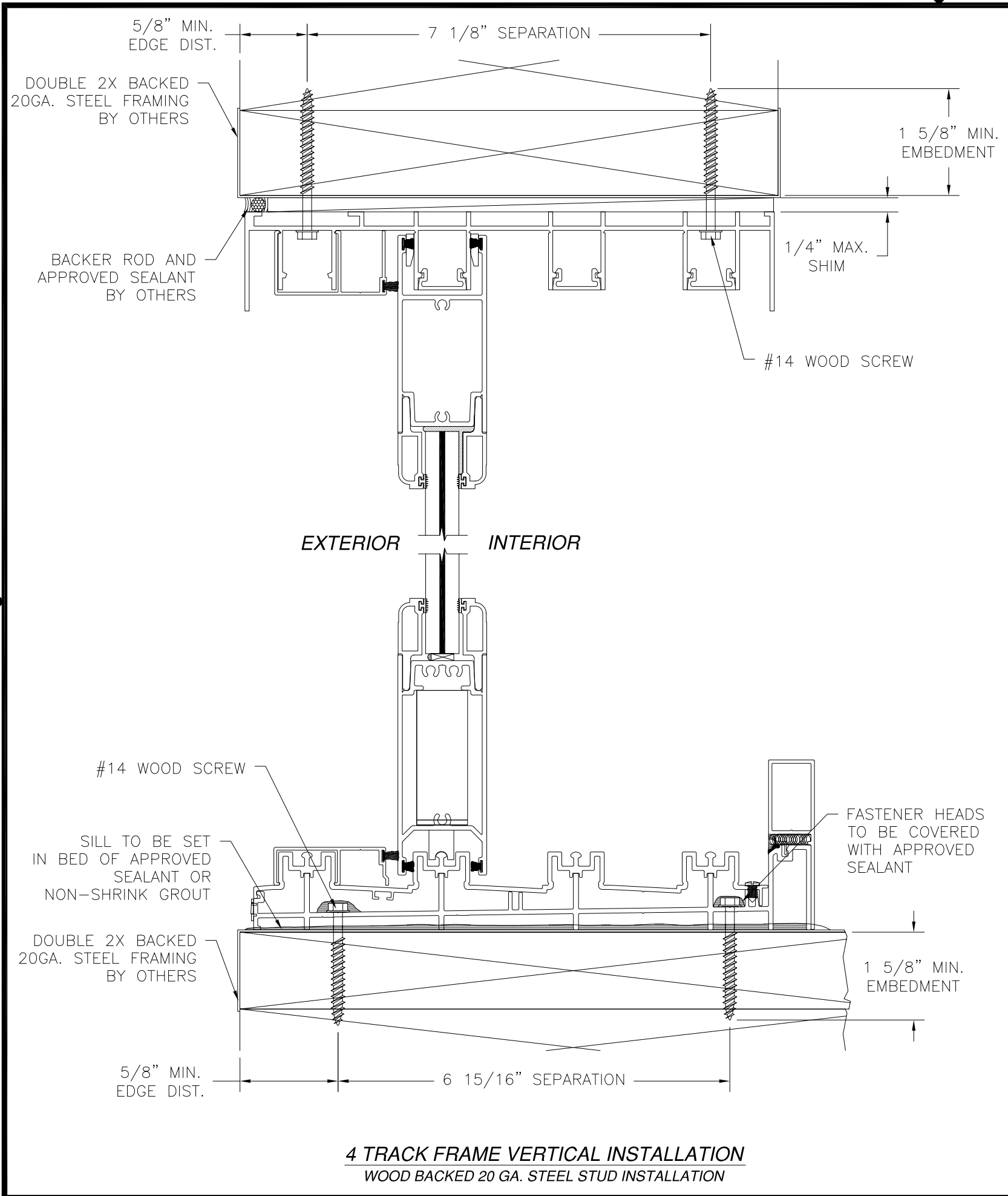
3 TRACK FRAME VERTICAL INSTALLATION
 2X BUCK/WOOD FRAME INSTALLATION

NOTE:
 2X BUCK/WOOD FRAME SUBSTRATE INSTALLATION FOR 3 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 4 TRACK SYSTEMS. SEE SHEET 9 FOR ANCHOR SEPARATION.
 3 TRACK WITH 4 1/4" SILL RISER SHOWN 2 TRACK & 4 TRACK ARE SIMILAR. ALL SILL RISERS MAYBE USED

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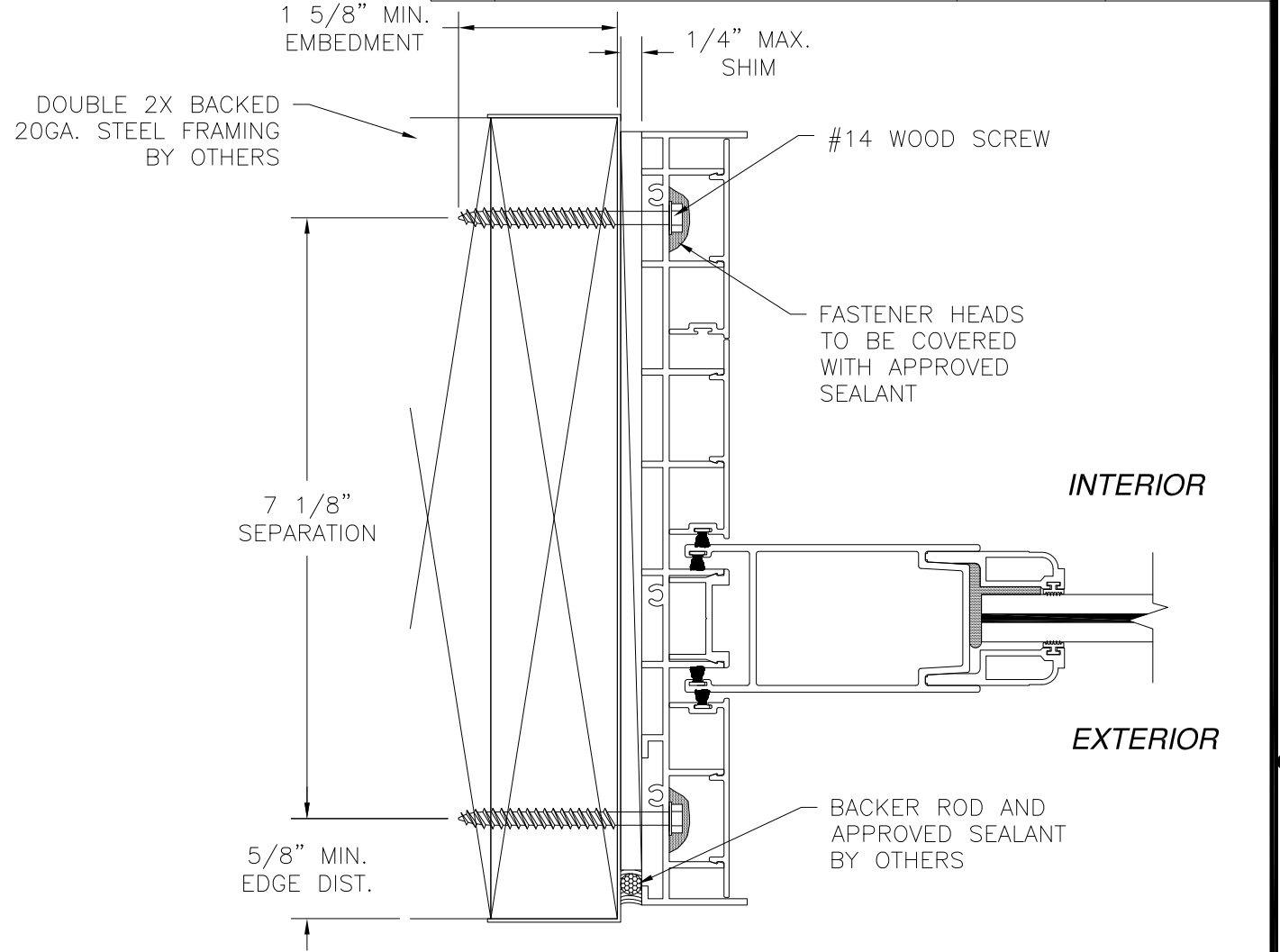
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8100 SERIES LMI REINFORCED & NON-REINFORCED INSTALLATION DETAILS			
DRAWN: TJH	DWG NO. 08-00876	REV C	
SCALE NTS	DATE 12/07/09	SHEET 17 OF 22	

Luis R. Lomas P.E.
 Texas No. 101889



4 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK SHOWN 2 TRACK & 3 TRACK ARE SIMILAR

NOTE:
WOOD BACKED 20 GA. STEEL STUD SUBSTRATE INSTALLATION FOR 4 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 3 TRACK SYSTEMS. SEE SHEET 9 FOR ANCHOR SEPARATION.

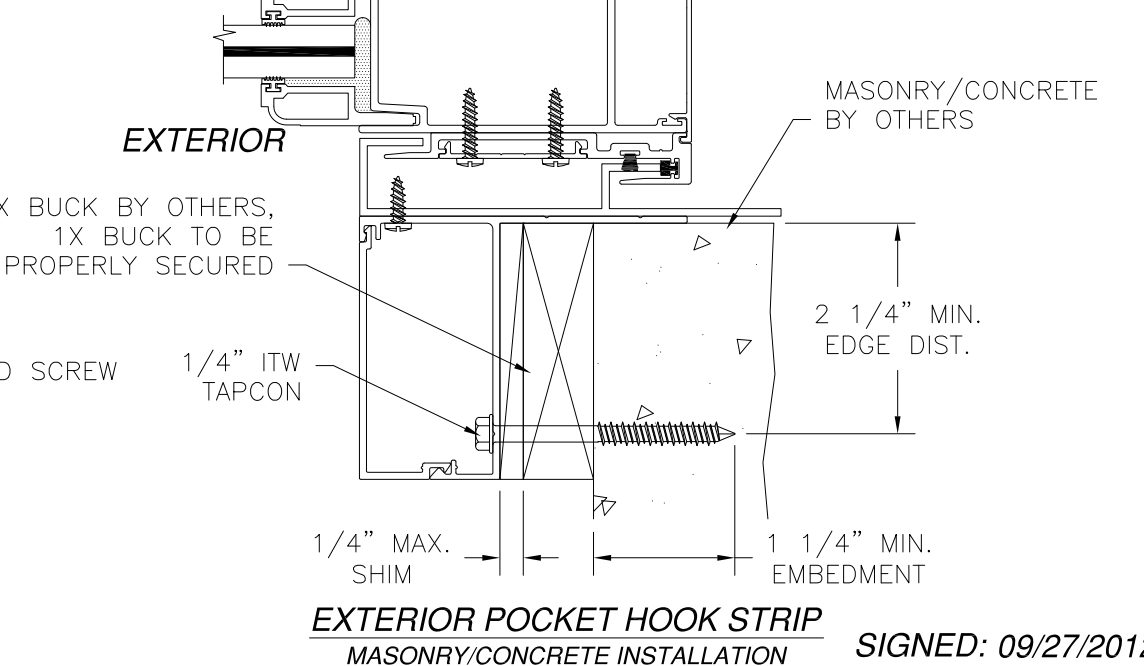
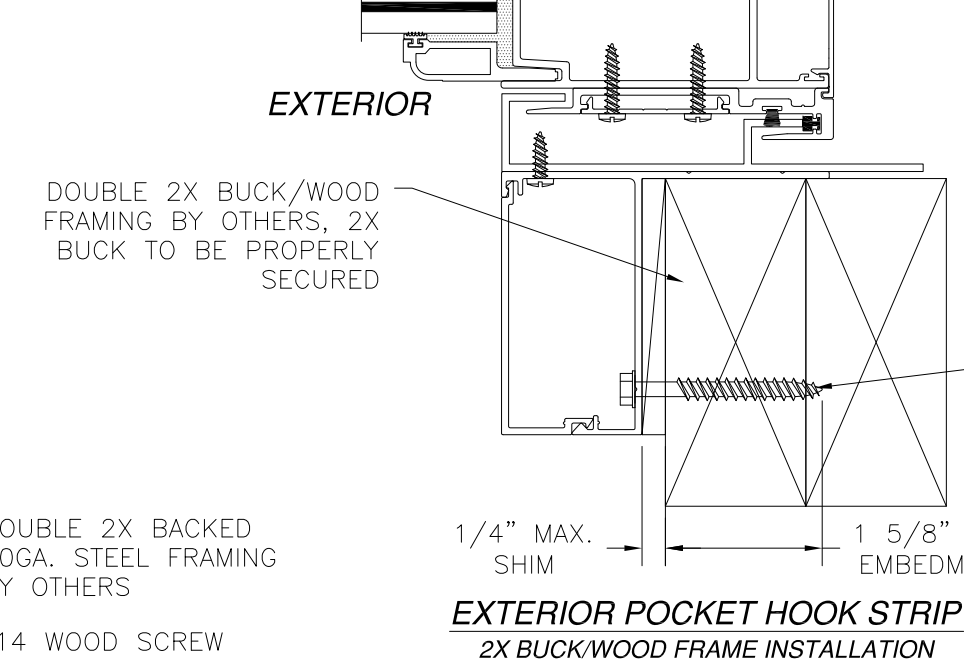
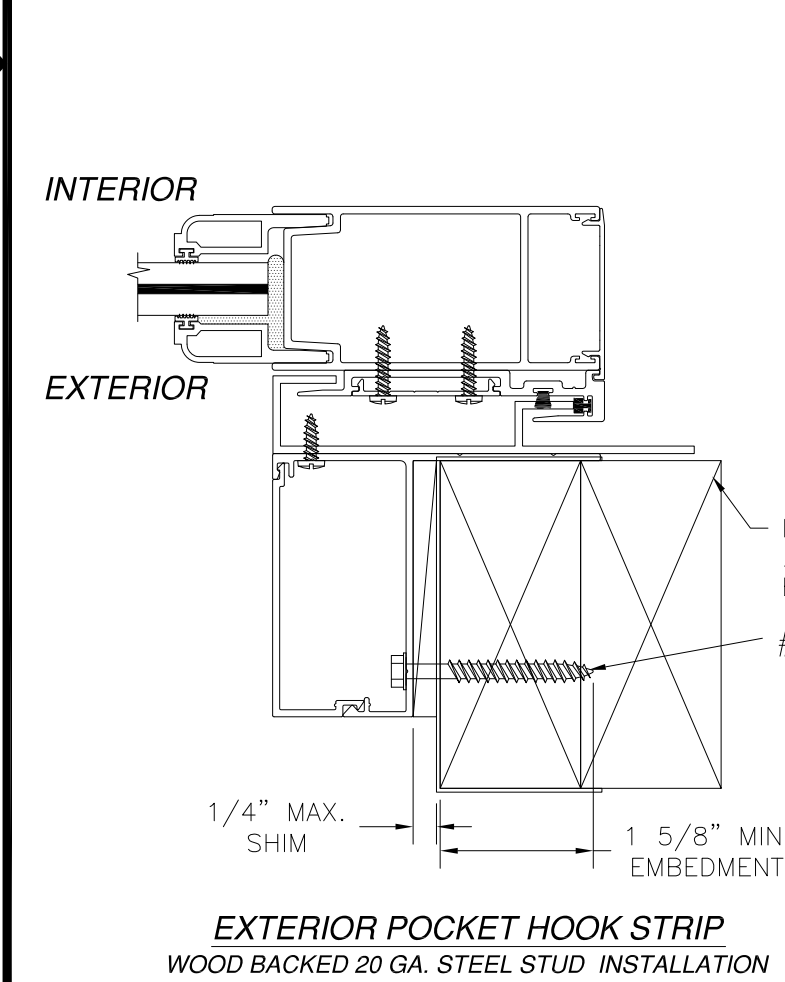
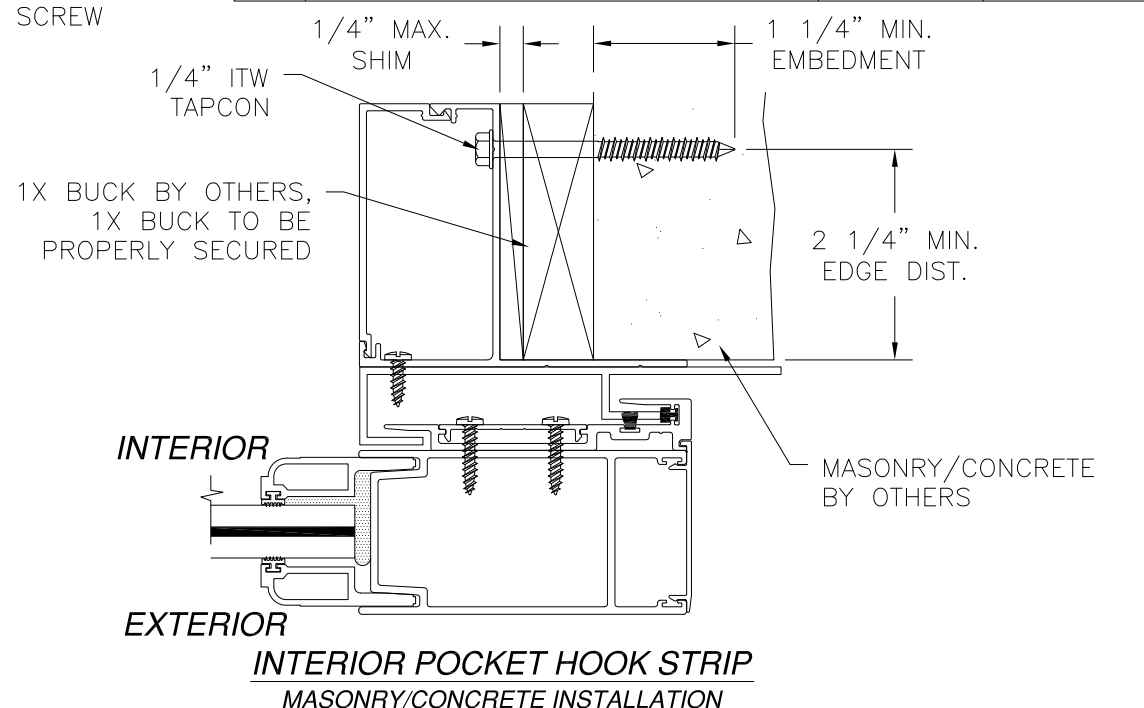
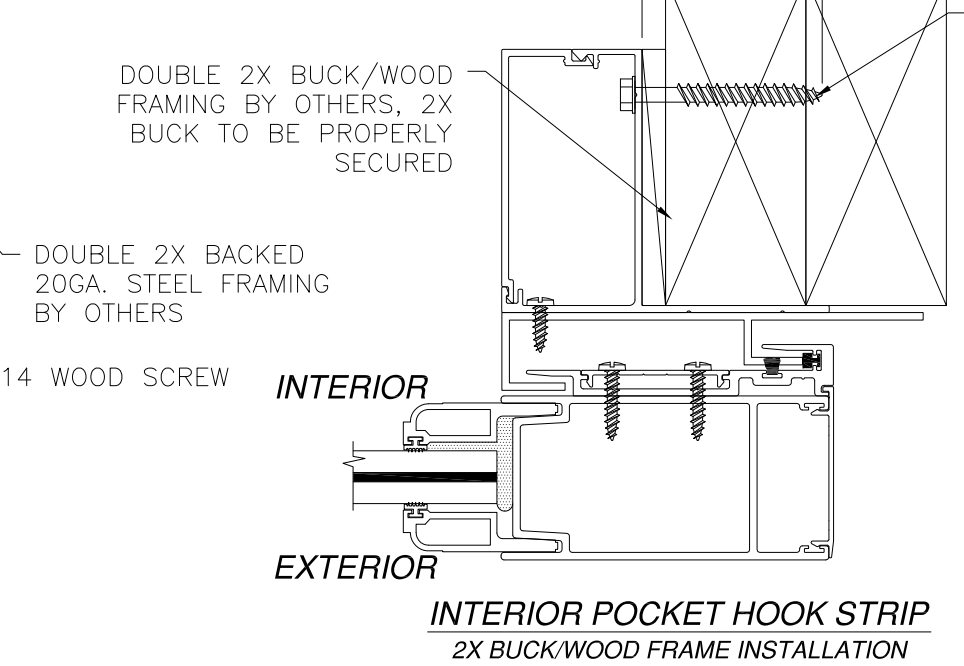
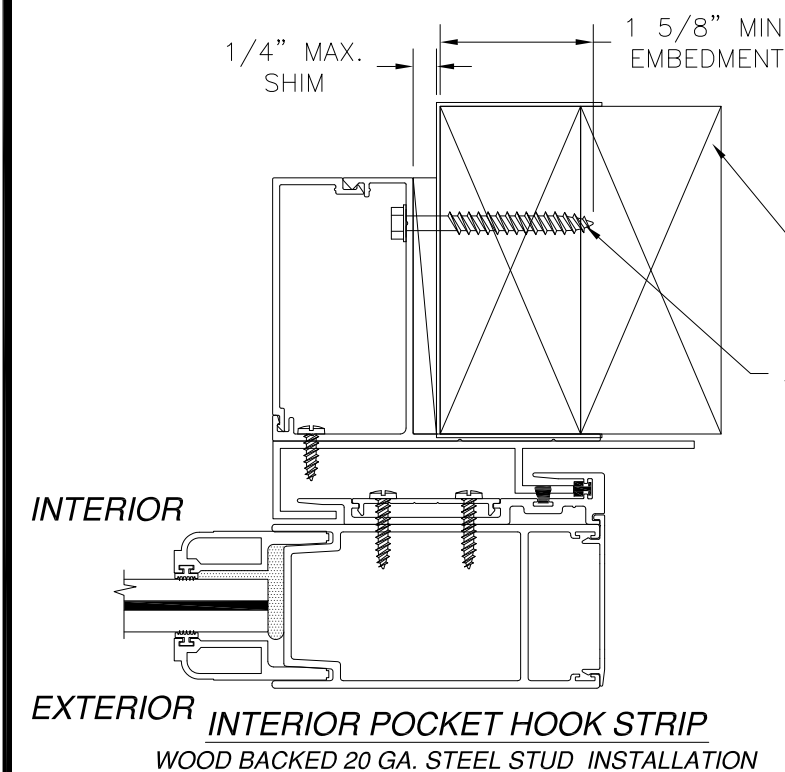
4 TRACK WITH 3" SILL RISER SHOWN 2 TRACK & 3 TRACK ARE SIMILAR. ALL SILL RISERS MAYBE USED

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8100 SERIES LMI REINFORCED & NON-REINFORCED INSTALLATION DETAILS			
DRAWN: TJH	DWG NO. 08-00876	REV C	
SCALE NTS	DATE 12/07/09	SHEET 18 OF 22	

Luis R. Lomas P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



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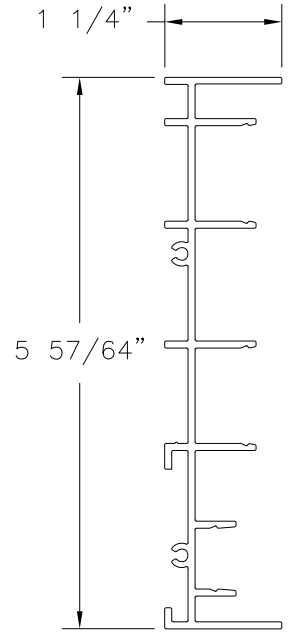
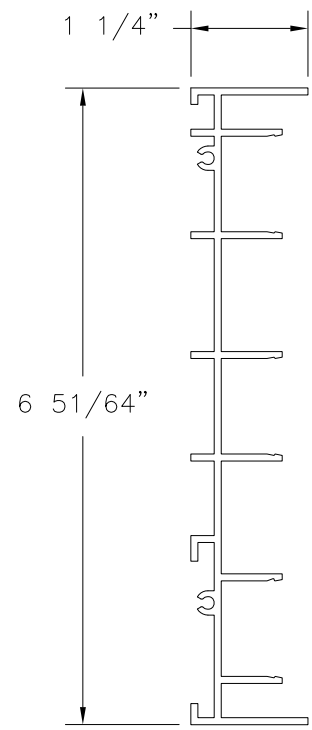
8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 19 OF 22

SIGNED: 09/27/2012

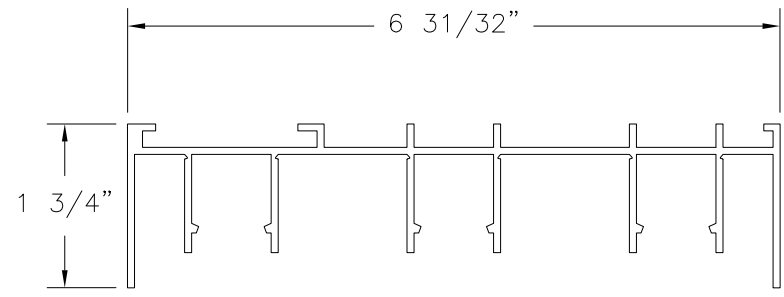


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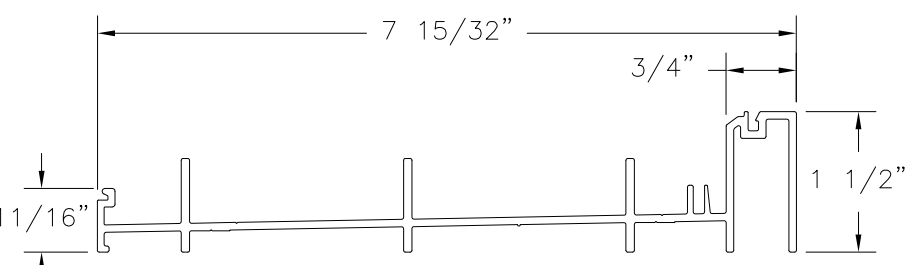


② **2 TRACK WS FRAME JAMB**
ALUMINUM 6063-T6 .075" THICK

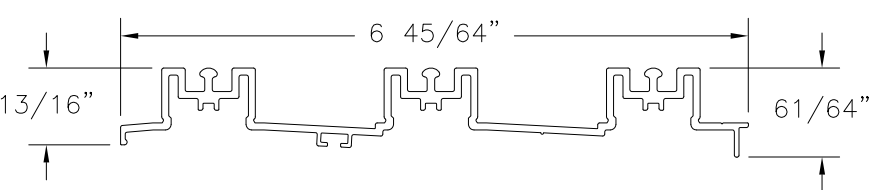
⑧ **3 TRACK FRAME JAMB**
ALUMINUM 6063-T6 .075" THICK



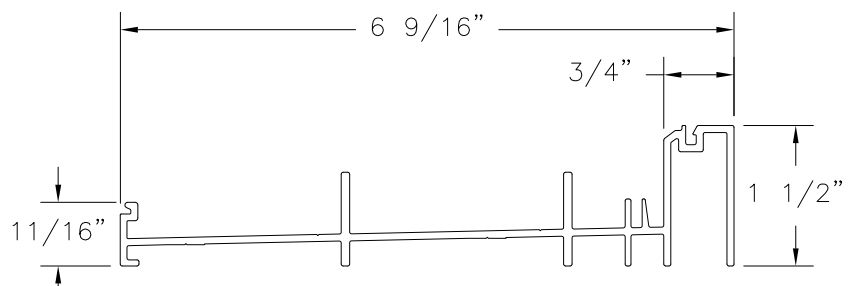
⑦ **3 TRACK FRAME HEAD**
ALUMINUM 6063-T6 .075" THICK



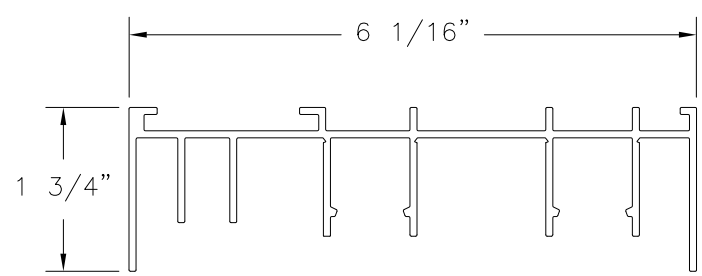
⑨ **3 TRACK SILL PAN**
ALUMINUM 6063-T6 .075" THICK



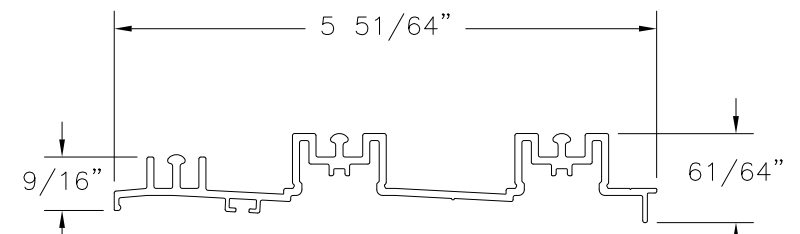
⑩ **3 TRACK SILL INSERT**
ALUMINUM 6063-T6 .075" THICK



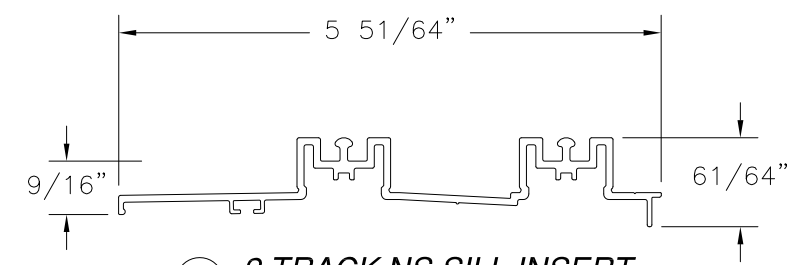
③ **2 TRACK NS/WS SILL PAN**
ALUMINUM 6063-T6 .075" THICK



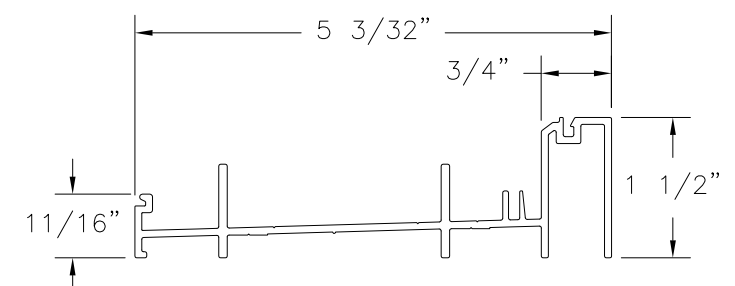
① **2 TRACK WS FRAME HEAD**
ALUMINUM 6063-T6 .075" THICK



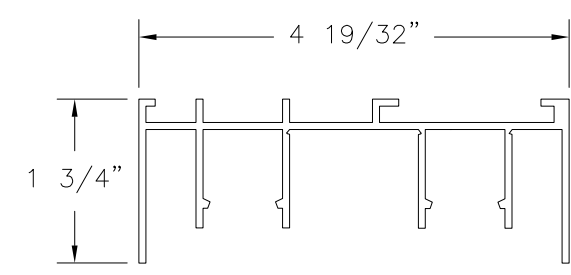
④ **2 TRACK WS SILL INSERT**
ALUMINUM 6063-T6 .075" THICK



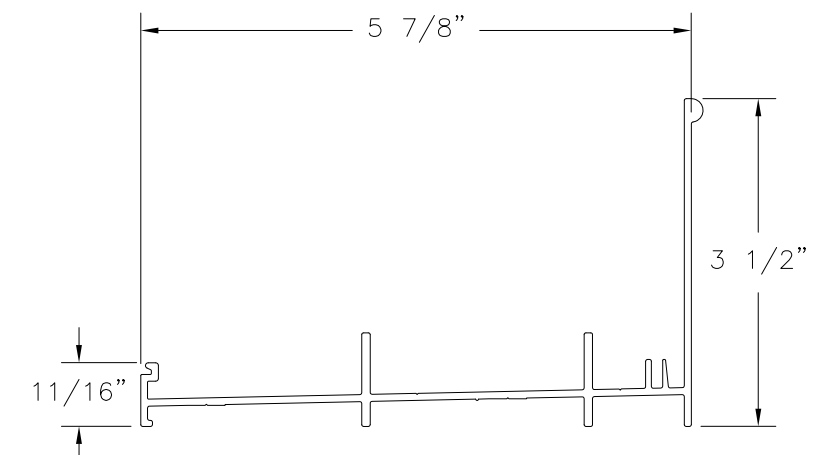
⑥① **2 TRACK NS SILL INSERT**
ALUMINUM 6063-T6 .075" THICK



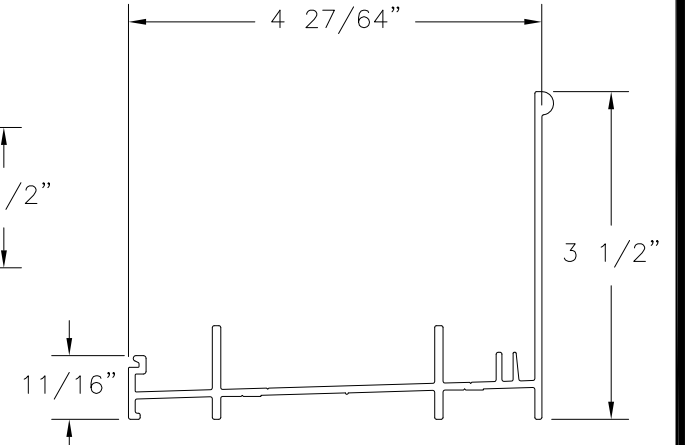
⑤ **2 TRACK SILL PAN**
ALUMINUM 6063-T6 .075" THICK



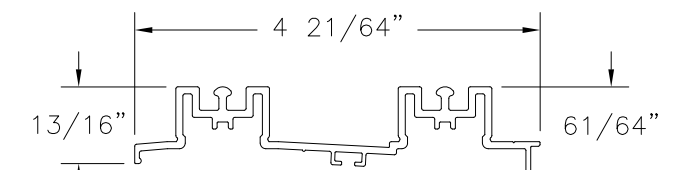
⑧① **2 TRACK FRAME HEAD**
ALUMINUM 6063-T6 .075" THICK



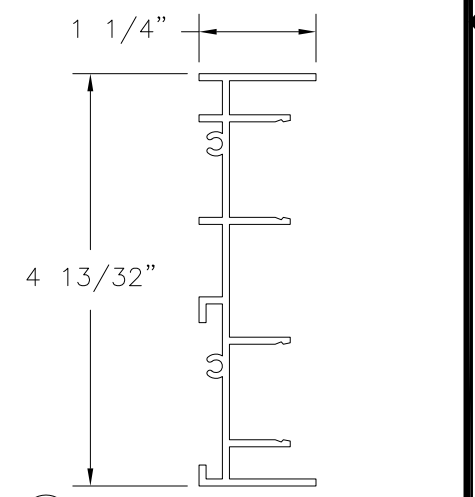
⑦⑦ **2 TRACK WS RETRO SILL PAN**
ALUMINUM 6063-T6 .075" THICK



⑥⑨ **2 TRACK RETRO SILL PAN**
ALUMINUM 6063-T6 .075" THICK



⑥ **2 TRACK SILL INSERT**
ALUMINUM 6063-T6 .075" THICK



⑧② **2 TRACK FRAME JAMB**
ALUMINUM 6063-T6 .075" THICK
SIGNED: 09/27/2012

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.

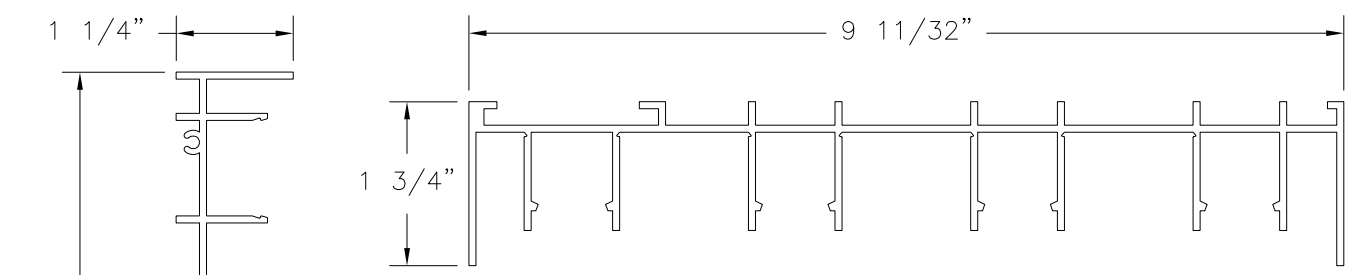
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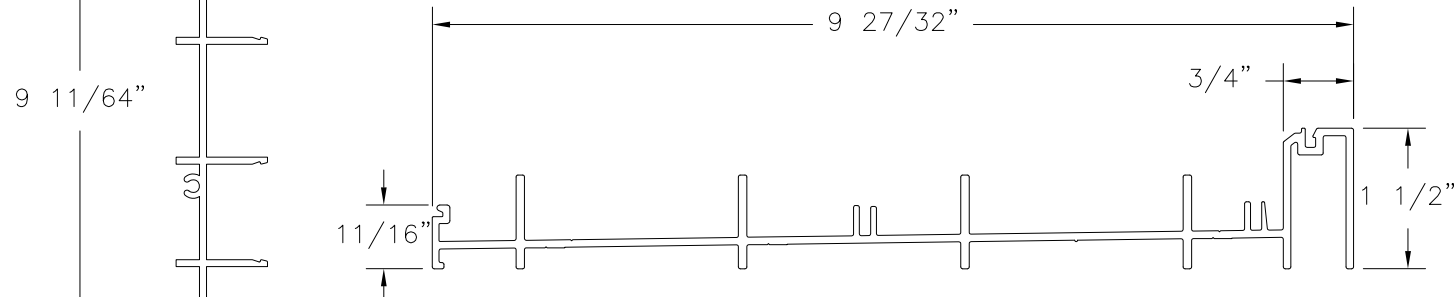
DRAWN: TJH	DWG NO. 08-00876	REV C
SCALE NTS	DATE 12/07/09	SHEET 20 OF 22

Luis R. Lomas P.E.
Texas No. 101889

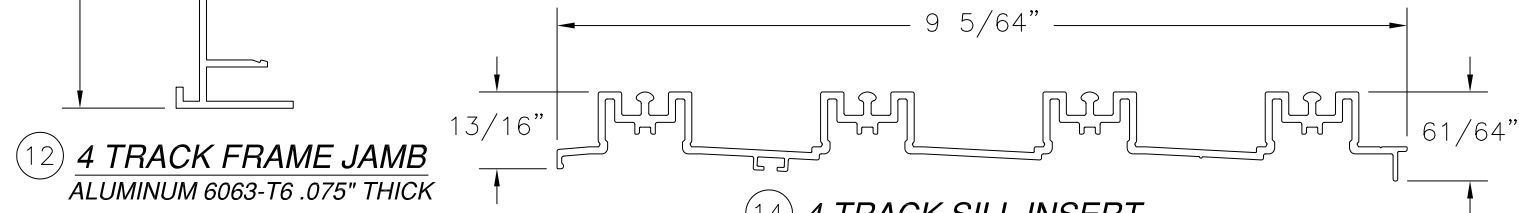
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



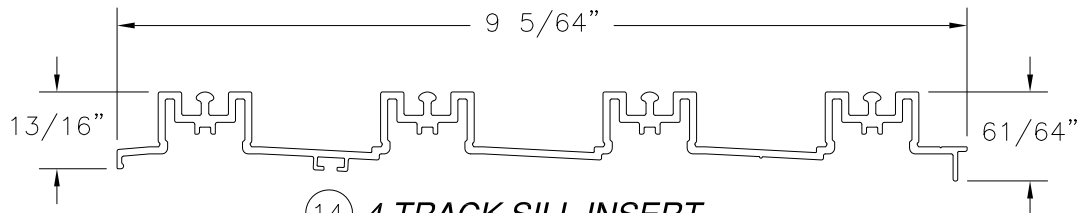
11 4 TRACK FRAME HEAD
ALUMINUM 6063-T6 .075" THICK



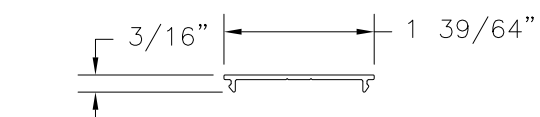
13 4 TRACK SILL PAN
ALUMINUM 6063-T6 .075" THICK



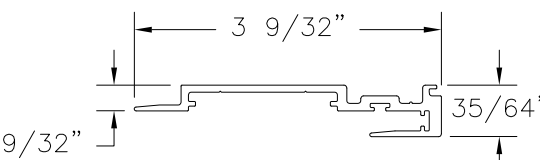
12 4 TRACK FRAME JAMB
ALUMINUM 6063-T6 .075" THICK



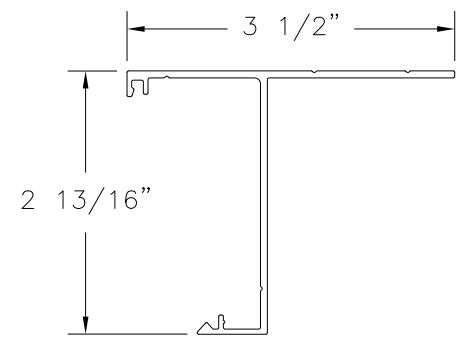
14 4 TRACK SILL INSERT
ALUMINUM 6063-T6 .075" THICK



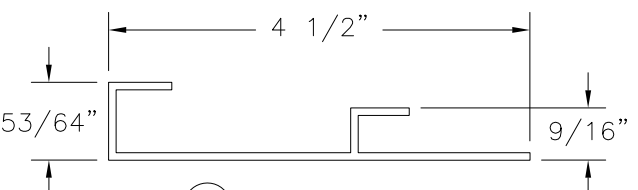
30 INTERLOCK SNAP COVER
ALUMINUM 6063-T6 .051" THICK



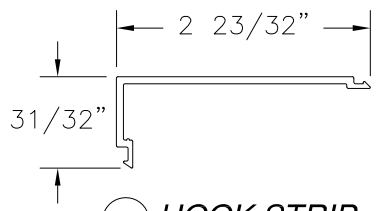
28 PLAIN STILE INTERLOCK
ALUMINUM 6063-T6 .075" THICK



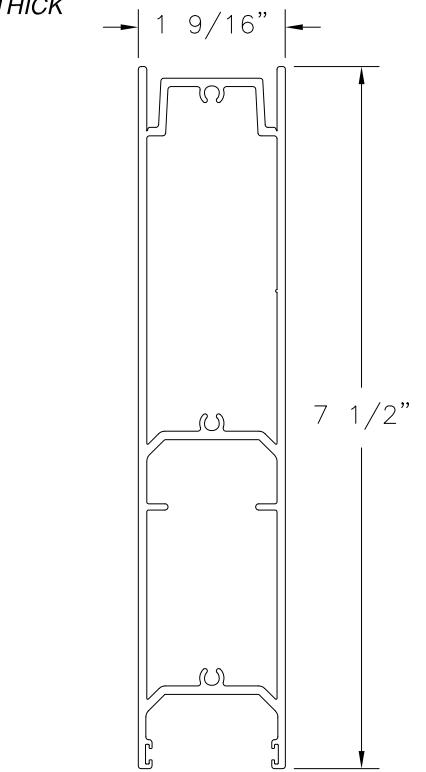
40 HOOK STRIP WALL MOUNT
ALUMINUM 6063-T6 .075" THICK



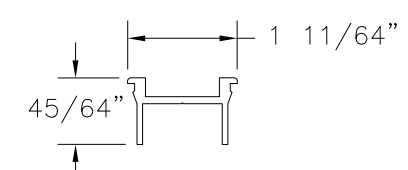
38 HOOK STRIP
ALUMINUM 6063-T6 .080" THICK



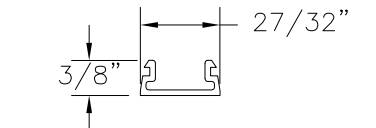
39 HOOK STRIP WALL COVER
ALUMINUM 6063-T6 .075" THICK



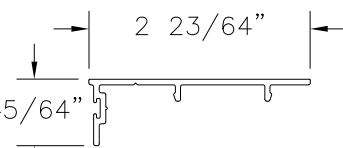
19 TALL BOTTOM RAIL
ALUMINUM 6063-T6 .080" THICK



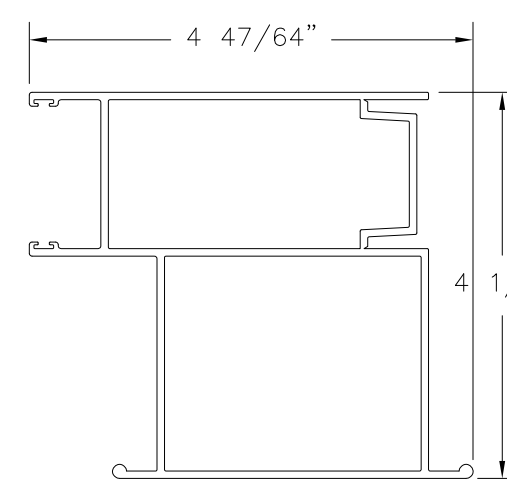
32 PANEL STILE JAMB INSERT
ALUMINUM 6063-T6 .075" THICK



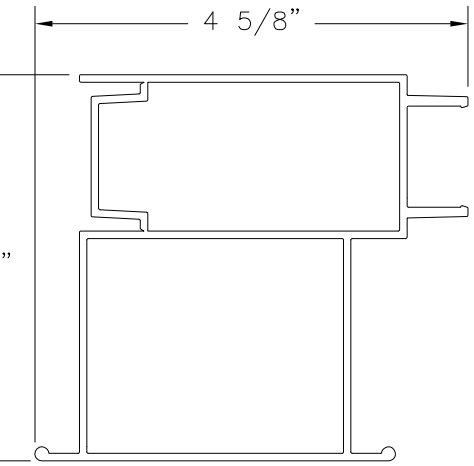
15 FRAME HEAD INSERT
ALUMINUM 6063-T6 .060" THICK



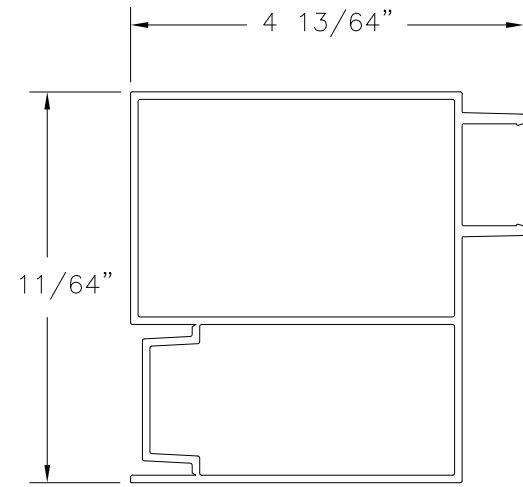
27 BUMPER JAMB INSERT
ALUMINUM 6063-T6 .060" THICK



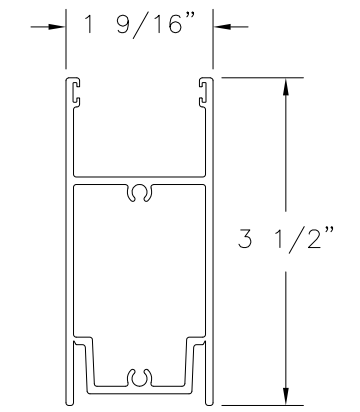
24 MALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080" THICK



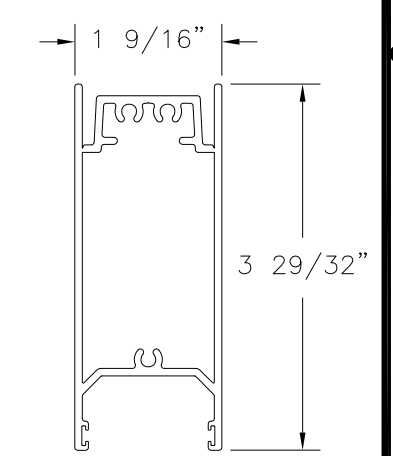
23 FEMALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080" THICK



25 FEMALE BUTT STILE INT. OFFSET
ALUMINUM 6063-T6 .080" THICK



17 TOP RAIL
ALUMINUM 6063-T6 .080" THICK



18 BOTTOM RAIL
ALUMINUM 6063-T6 .080" THICK

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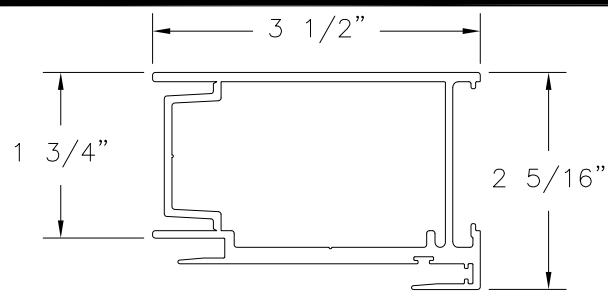
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COMPONENTS

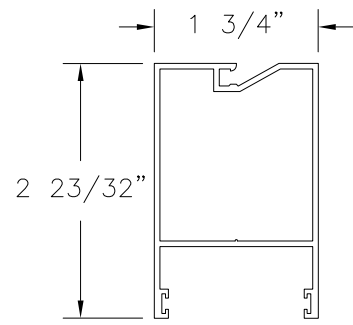
DRAWN: TJH
DWG NO. 08-00876
REV C

SCALE NTS
DATE 12/07/09
SHEET 21 OF 22

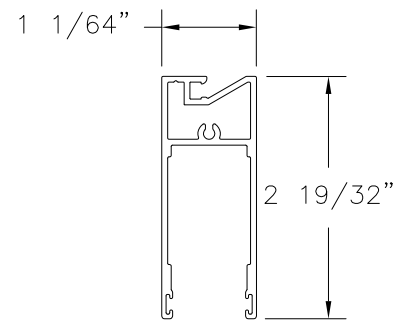
Luis R. Lomas P.E.
Texas No. 101889



22 INTERLOCK STILE
ALUMINUM 6063-T6 .080" THICK

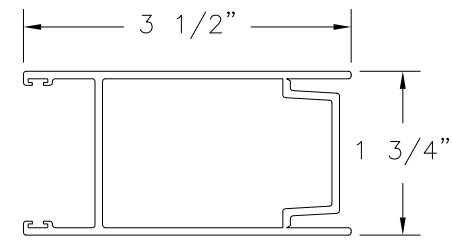


73 MT SCREEN STILE
ALUMINUM 6063-T6 .060" THICK

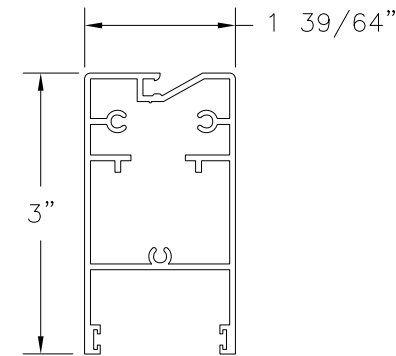


76 BOX SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .062" THICK

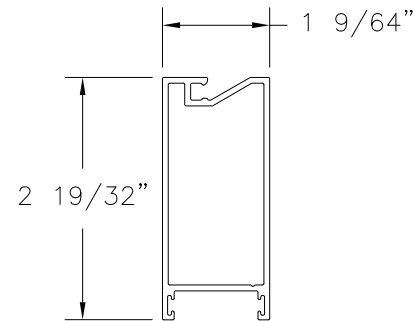
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REMOVED DP CHARTS/REVISED SILL RISERS	06/16/10	R.L.
B	REVISED DP RATING BOX	06/16/10	R.L.
C	REMOVED UNLIMITED PANELS	09/26/12	R.L.



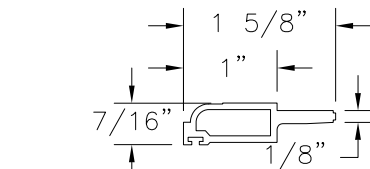
21 LOCK STILE
ALUMINUM 6063-T6 .080" THICK



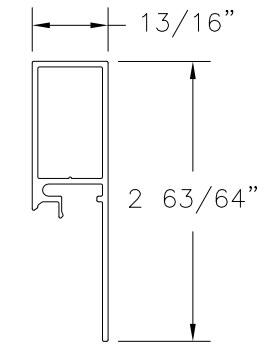
72 MT SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .060" THICK



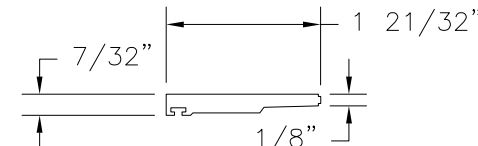
73 BOX SCREEN STILE
ALUMINUM 6063-T6 .062" THICK



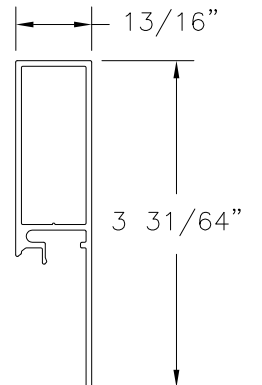
41 9/16" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



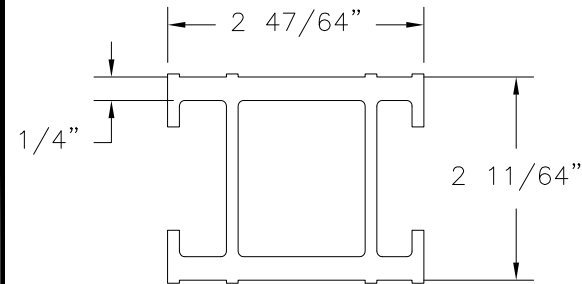
35 3" SILL RISER
ALUMINUM 6063-T6 .060" THICK



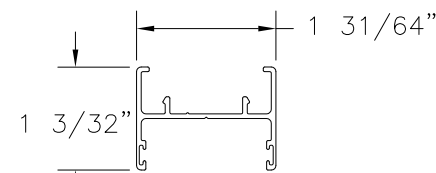
44 1" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



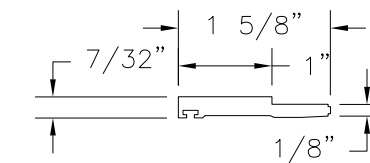
36 3 1/2" SILL RISER
ALUMINUM 6063-T6 .060" THICK



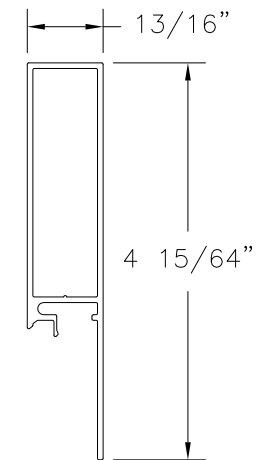
47 FEMALE BUTT STILE REINFORCING BAR
ALUMINUM 6063-T6 .125" THICK



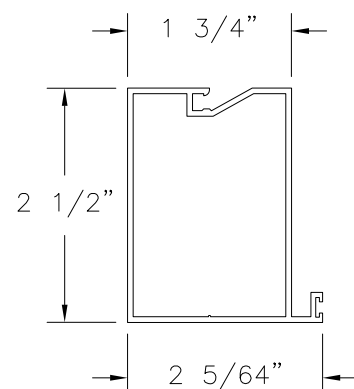
79 BOX SCREEN ASTRAGAL
ALUMINUM 6063-T6 .050" THICK



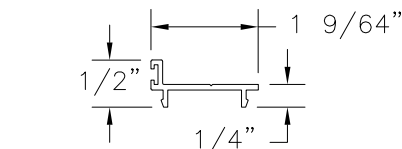
43 1" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



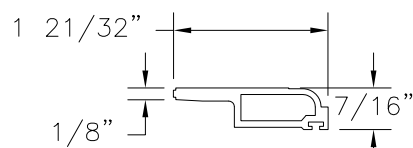
37 4 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



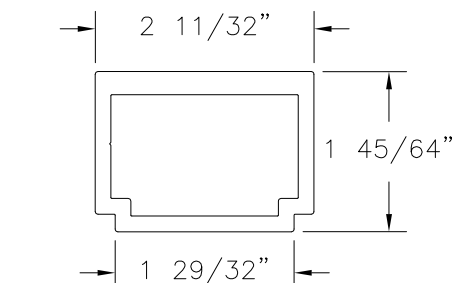
74 MT SCREEN STILE W/SEAL
ALUMINUM 6063-T6 .060" THICK



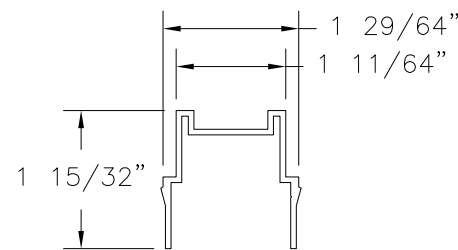
78 BOX SCREEN SWEEP
ALUMINUM 6063-T6 .060" THICK



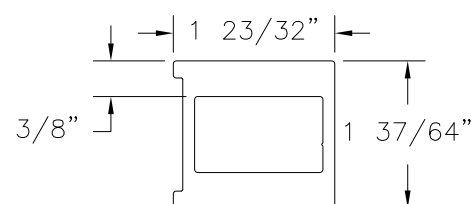
42 9/16" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



46 INTERLOCK REINFORCING BAR
ALUMINUM 6063-T6 .168" THICK



75 MT SCREEN ASTRAGAL
ALUMINUM 6063-T6 .060" THICK



45 6000 BUTT STILE REINFORCING BAR
ALUMINUM 6063-T6 .127" THICK

SIGNED: 09/27/2012

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Luis R. Lomas P.E.
Texas No. 101889