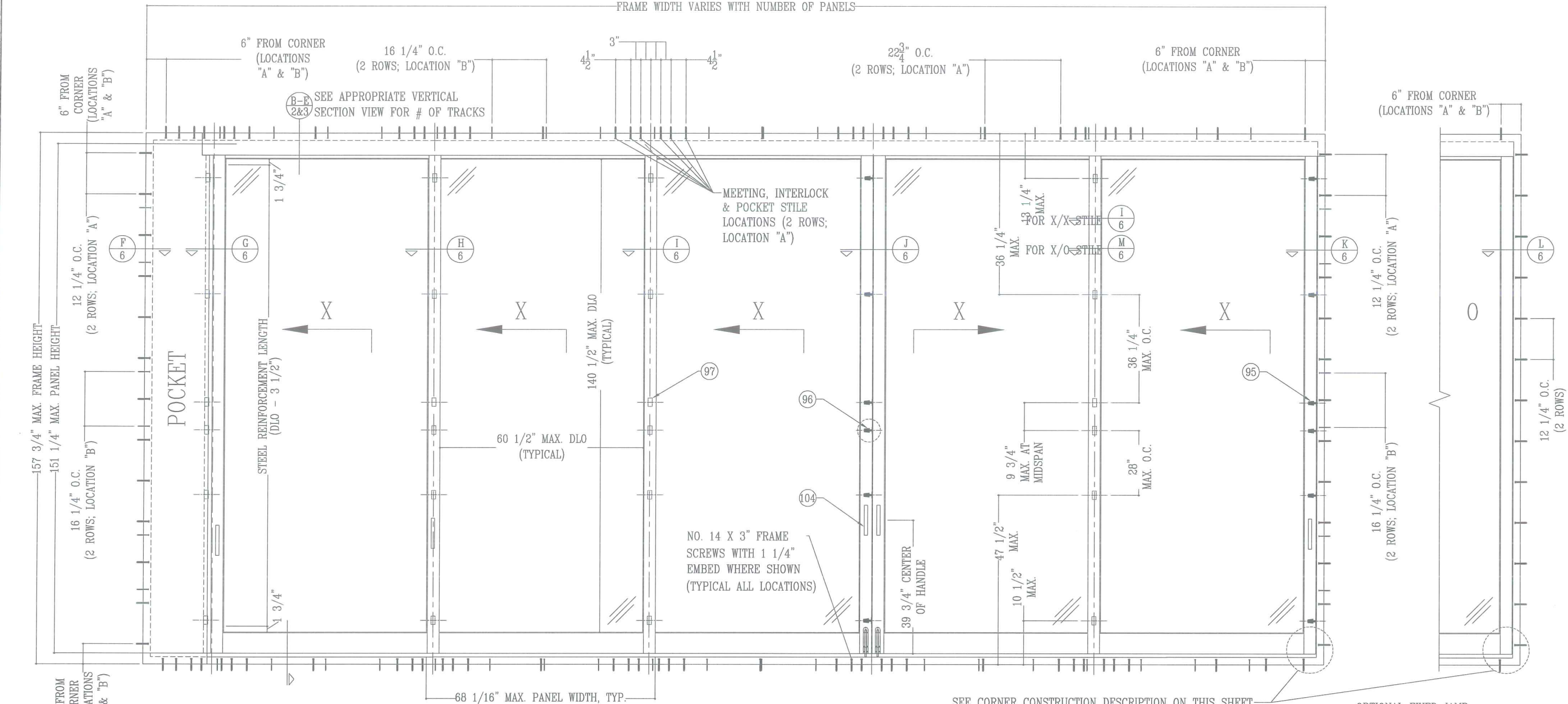




EXTERIOR ELEVATION

FOR SECTION CALLOUTS ONLY, CONFIGURATIONS NOT LIMITED TO 5 PANELS. SEE ALLOWABLE CONFIGURATIONS ON SHEET 2

DESIGN PRESSURES

SEE TABLE, SHEET 2

GENERAL NOTES

1. THIS APPROVAL APPLIES TO IMPACT RESISTANT LIFT AND SLIDE DOORS, IN THE CONFIGURATIONS AND CONSTRUCTED AND GLAZED AS INDICATED HEREIN.
2. ALLOWABLE DESIGN PRESSURES ARE AS INDICATED IN TABLE ON SHEET 2. THE TABLE IS BASED ON INDIVIDUAL PANEL SIZE, DOORS MAY HAVE ANY NUMBER OF PANELS.
3. THESE DOORS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202 & 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 6TH EDITION (2017) FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS.
4. THESE DOORS AS SHOWN HEREIN ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
6. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
7. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
9. A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
10. THE MERBAU WINDOWS LISTED IN THIS APPROVAL ARE CONSTRUCTED OF A NATURALLY DURABLE SPECIES (SPECIE SPECIFIC GRAVITY = 0.68) IN COMPLIANCE WITH FBC CHAPTER 23. OTHER NATURALLY DURABLE WOOD SPECIES OF EQUAL OR GREATER STRENGTH MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS.
11. MEMBERS NOTCHED AS NEEDED TO FIT HARDWARE AS SHOWN HEREIN.
12. JAMBS MAY BE OPERABLE, FIXED, OR POCKET ON EITHER SIDE OF DOOR.
13. THE GLAZING TYPES 1 AND 2 AS SHOWN IN GLAZING DETAILS ON SHEET 5 MAY BE USED IN ANY DOOR CONFIGURATION.
14. SUBSTRATES THAT MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN INSTALLATION ANCHOR REQUIREMENTS TABLE ON SHEET 7. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED.
15. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND.
16. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL CONCRETE OR CMU ANCHORS IN ANY DIRECTION. THE SPACING AS INDICATED IN THE ELEVATION ON THIS SHEET SHALL BE REDUCED AS NEEDED TO ENSURE THAT THE 3" MINIMUM SPACING IS MAINTAINED BETWEEN LOCATION "A" AND LOCATION "B" ANCHORS.

CORNER CONSTRUCTION

JAMB CORNERS: MEMBERS ARE OF TONGUE AND GROOVE CONSTRUCTION AND MECHANICALLY FASTENED WITH FOUR(4) NO. 14 X 3" SS WOOD SCREWS PER CORNER, 7/8" FROM EDGE. CORNERS AND TONGUE TO GROOVE LOCATIONS ARE SEALED WITH SIKAFLEX 15 LM POLYURETHANE SEALANT.

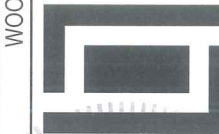
SASH CORNERS:
TOP RAIL TO STILE CORNERS: TOP RAILS ARE COPED, BUTTED, FULLY GLUED WITH WOOD GLUE (61) AND DOWELED WITH FOUR(4) OPERABLE / SIX(6) FIXED 5/8" DIA. x 3 1/8" LONG MERBAU WOOD DOWELS.

BOTTOM RAIL TO STILE CORNERS: BOTTOM RAILS ARE COPED, BUTTED, FULLY GLUED WITH WOOD GLUE (61) AND DOWELED WITH SIX(6) 5/8" DIA. x 3 1/8" LONG MERBAU WOOD DOWELS.

DATE: 09/26/2013

DATE	REVISION DESCRIPTION	NO.
2/26/14	DESIGN PRESSURE TABLE ADDED	1
6/15/15	UPDATED TO 2014 FBC	2
12/14/17	UPDATED TO 2017 FBC	3

LUXBAUM, LLC
WINDOWS + DOORS



WOOD EUROPEAN SERIES GLAZED LIFT AND SLIDE DOORS (MERBAU)

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.
LIFT&SLIDE

SHEET NO.
1 OF 12

1. THE TABLE IS BASED ON INDIVIDUAL PANEL SIZE, AND IS APPLICABLE TO DOORS WITH ANY NUMBER OF PANELS.

STEEL/STEEL - REQUIRES THE USE OF 1-1/2"x2"x1/4" STEEL ANGLES (ITEM 98a) IN ALL INTERLOCKS, AND STEEL FIN REINFORCEMENT (SECT. J, SHEET 6) AT MEETING STILES.

STEEL/MERBAU - REQUIRES THE USE OF 1-1/2"x2"x1/4" STEEL ANGLES (ITEM 98a) IN ALL INTERLOCKS, AND MERBAU FIN REINFORCEMENT (SECT. J, SHEET 6) AT MEETING STILES.

NONE - ITEM 98a AT INTERLOCKS AND FIN REINFORCEMENTS AT MEETING STILES ARE NOT REQUIRED.

3-TRACK CONFIGURATIONS

4-TRACK CONFIGURATIONS

The four diagrams illustrate different configurations of a 1D lattice with 8 sites. Each diagram shows the arrangement of particles (X) and holes (O) and the corresponding fermion occupation numbers (0 or 1) for each site.

- Top Left:** Configuration with 4 particles (X) and 4 holes (O). The fermion occupation numbers are 1, 1, 1, 1, 0, 0, 0, 0.
- Top Right:** Configuration with 7 particles (X) and 1 hole (O). The fermion occupation numbers are 1, 1, 1, 1, 1, 1, 1, 0.
- Bottom Left:** Configuration with 6 particles (X) and 2 holes (O). The fermion occupation numbers are 1, 1, 1, 1, 1, 1, 0, 0.
- Bottom Right:** Configuration with 5 particles (X) and 3 holes (O). The fermion occupation numbers are 0, 1, 1, 1, 1, 1, 1, 0.

DATE:		09/26/2013	
NO.	REVISION DESCRIPTION	DATE	
1	DESIGN PRESSURE TABLE ADDED	2/26/14	
2	UPDATED TO 2014 FBC	6/15/15	

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LUXBAUM^{LLC}

WINDOWS + DOORS

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WEST PALM BEACH, FL 33412
Ph: (561) 684-1500

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FL PE# 62354

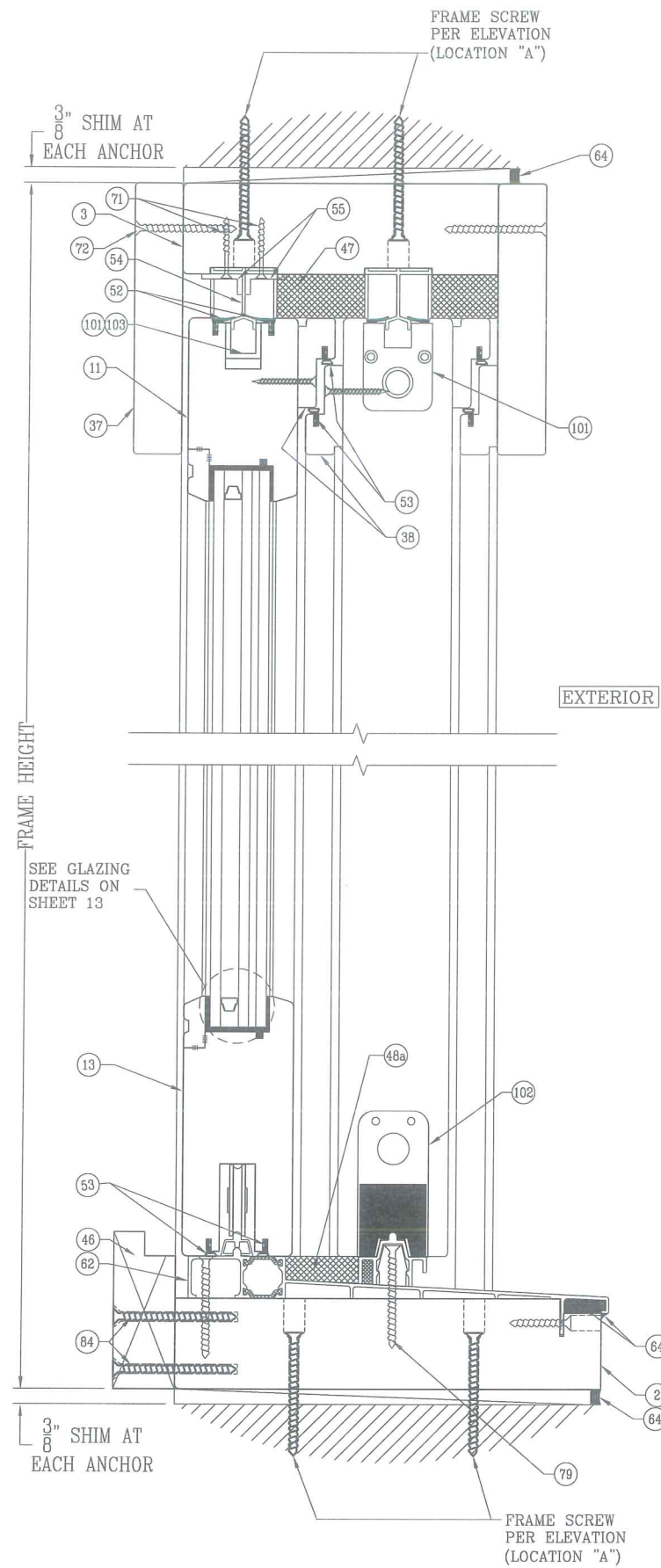
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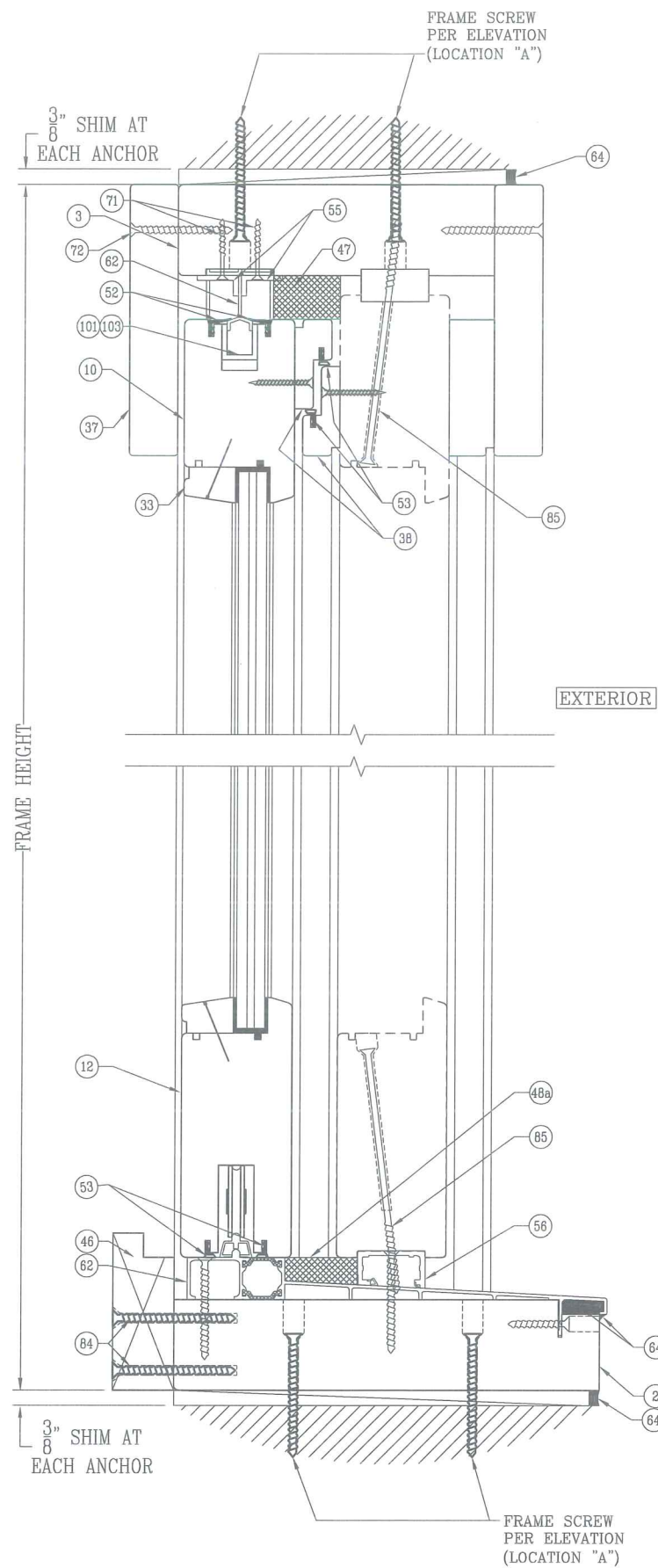
LIFT&SLIDE

SHEET NO.

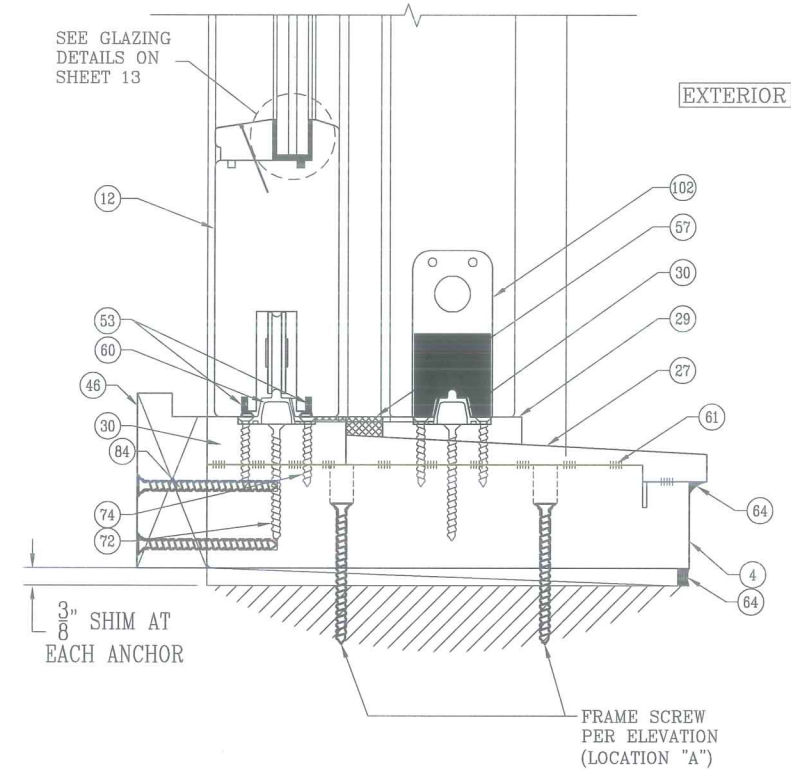
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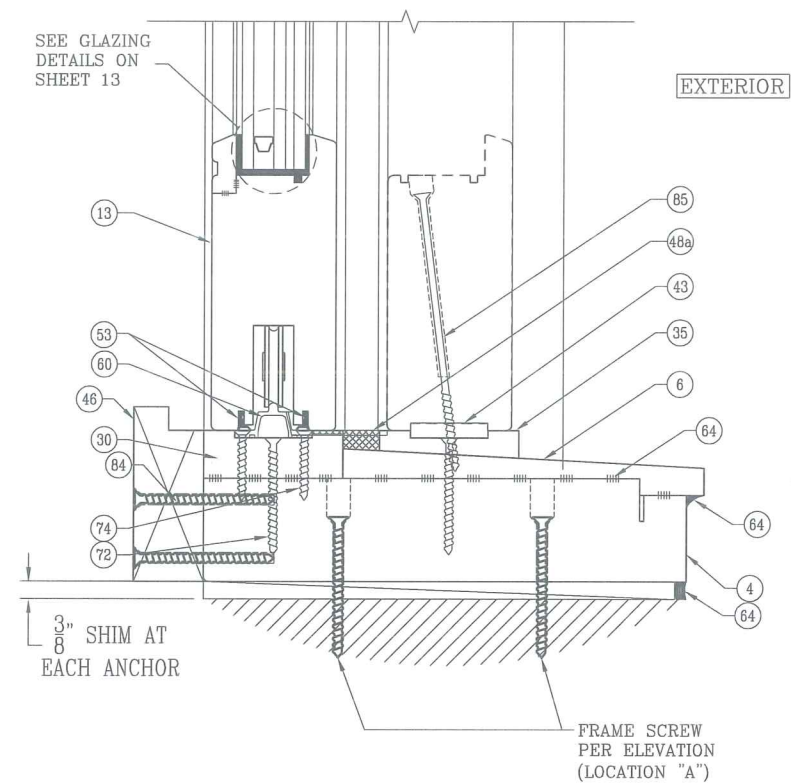
SECTION B
ALUMINUM SILL X/X 2-TRACK



SECTION C
ALUMINUM SILL X/O 2-TRACK

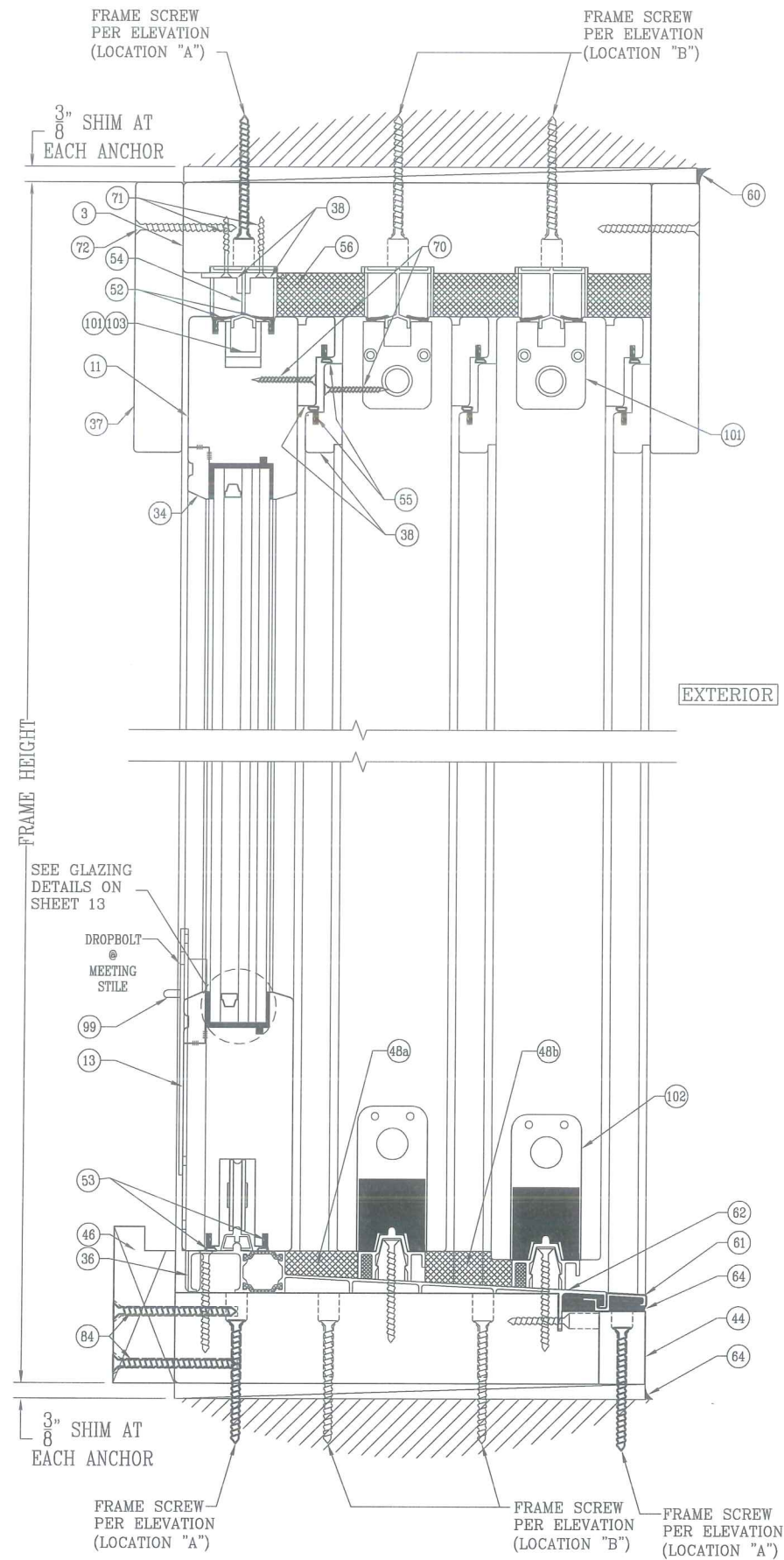


SECTION B ALT.
WOOD SILL X/X 2-TRACK

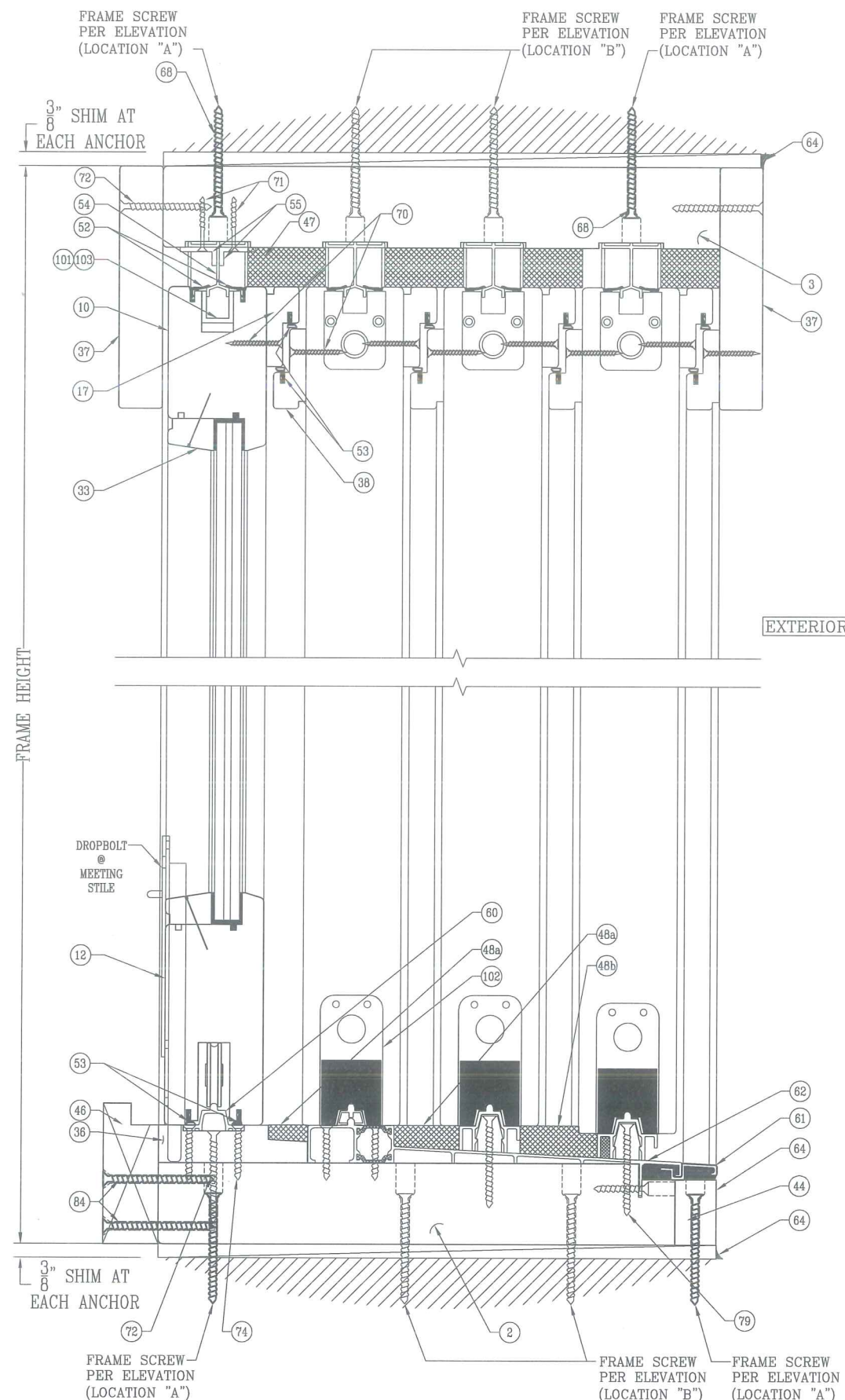


SECTION C ALT.
WOOD SILL X/O 2-TRACK

DATE: 09/26/2013		DATE: 6/15/15			
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		SCOTT WOLTERS FL PE# 62354		WOLTERS ENGINEERING (COA# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412	
DRAWING NO.		LIFT&SLIDE			
SHEET NO.		3 OF 12			



SECTION D
ALUMINUM & WOOD SILL 3-TRACK



SECTION E
ALUMINUM & WOOD SILL 4-TRACK

DATE: 09/26/2013

DATE	REVISION DESCRIPTION	NO.
6/15/15	UPDATED TO 2014 FBC	2

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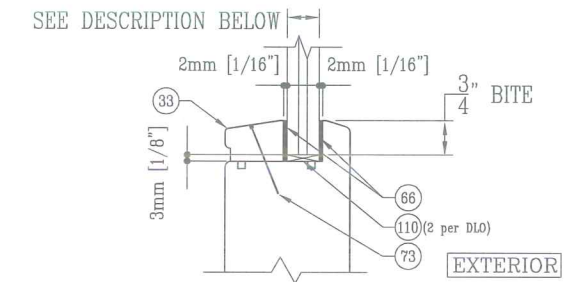
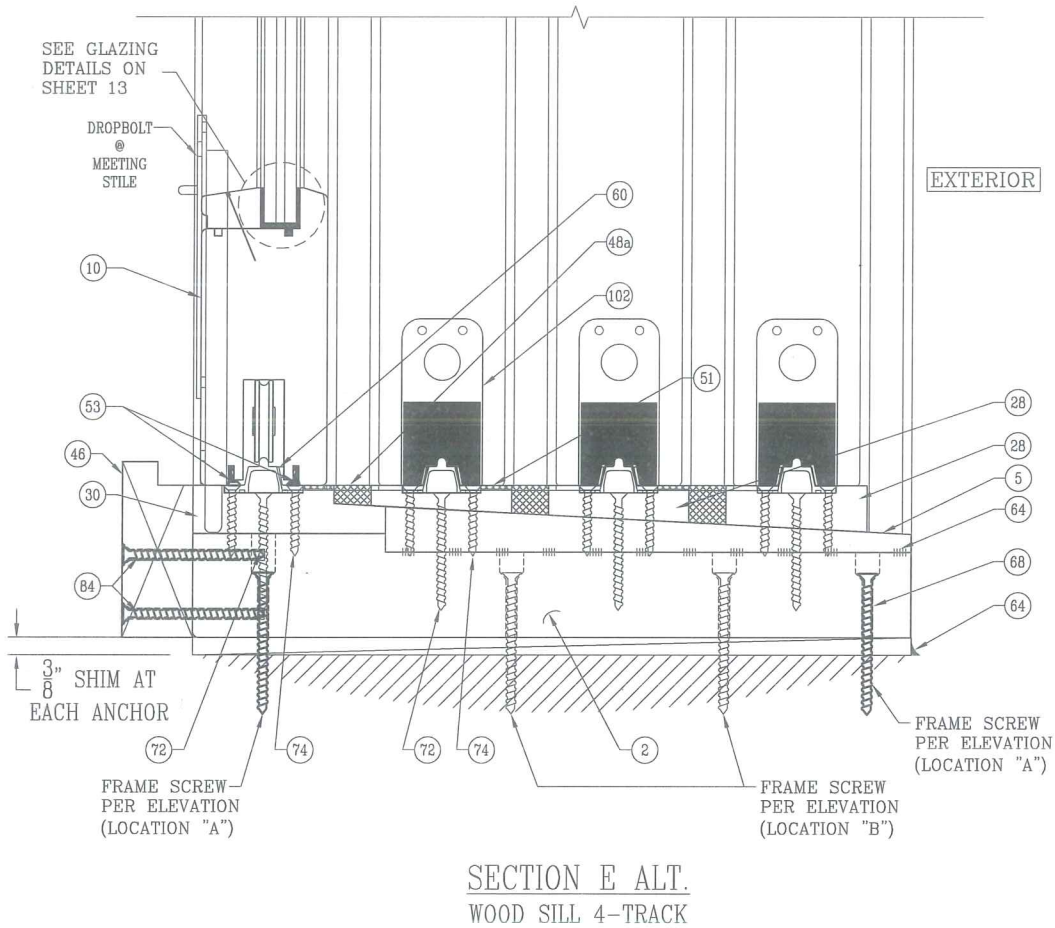
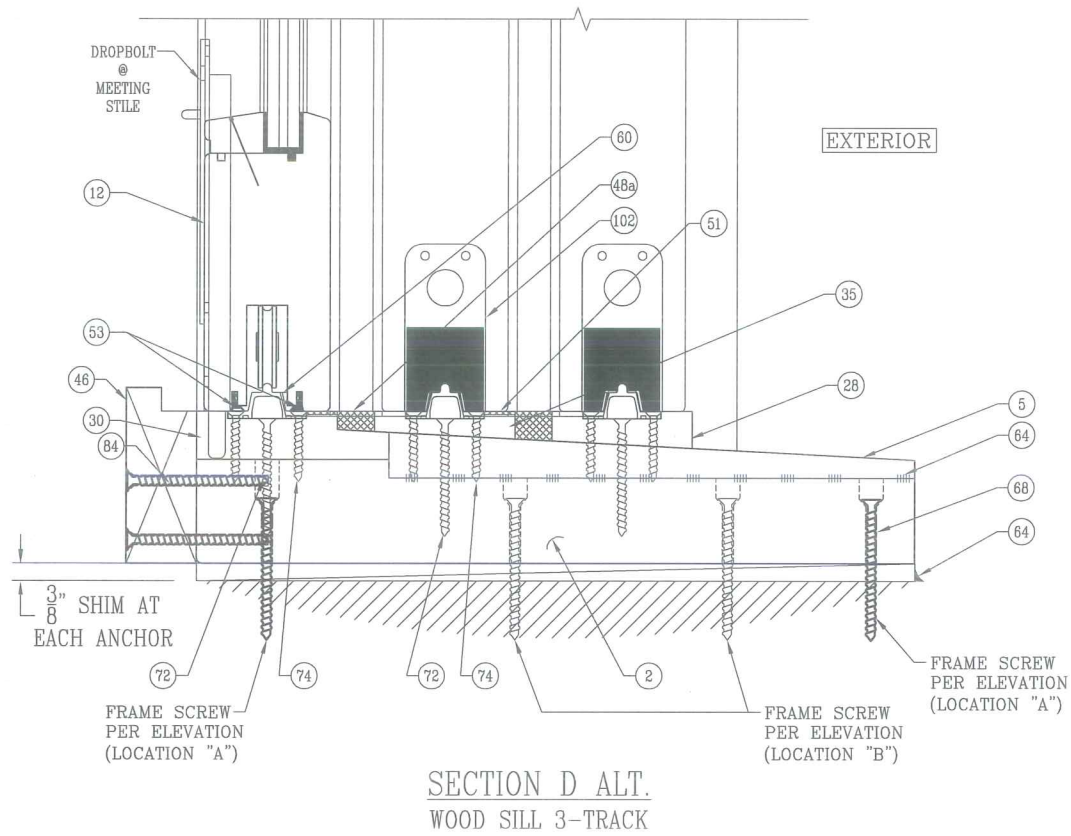
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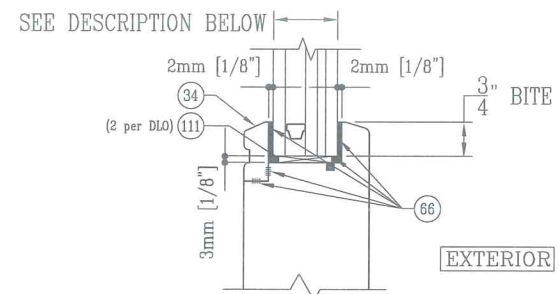


DRAWING NO.
LIFT&SLIDE

SHEET NO.
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GLASS TYPE "A"; 11/16" LAMINATED GLASS (1/4" HT.
ST./0.180 SGP/1/4" HT. ST.)



GLASS TYPE "B"; 1 3/8" LAMINATED I.G. WITH
1/4" H.S.-0.180" SGP-1/4" H.S.-7/16" AIR SPACE
W/ALUM. SPACER (BLACK)-1/4" TEMPERED.

DATE: 09/26/2013

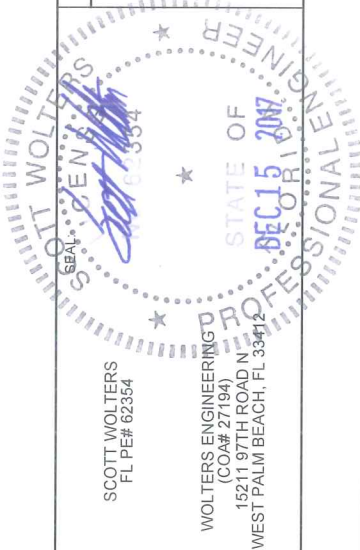
DATE	REVISION DESCRIPTION	NO.
6/15/15	UPDATED TO 2014 FBC	2

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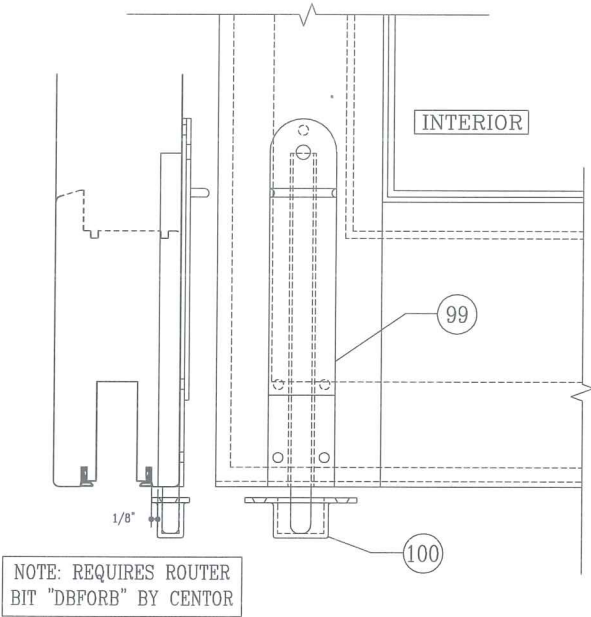
SHEET NO.
5 OF 12

INSTALLATION ANCHOR REQUIREMENTS TABLE

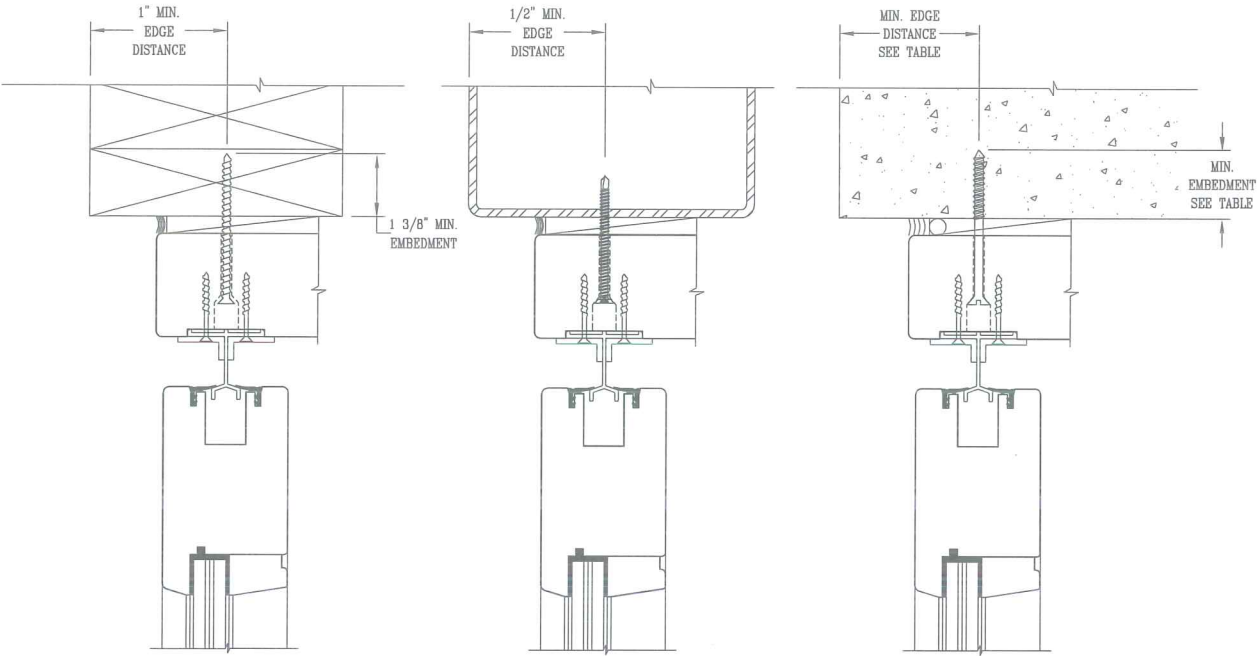
ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (2850 PSI MIN)	1/4" ELCO COATED CARBON STEEL ULTRA-CON	1 3/4"	2 1/2"
B	CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
C	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
D	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	#14 GRADE 5 WOOD SCREW	1 3/8"	1"
E	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	1/4-28 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 15, SHEET 1	1/2"
F	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	#14 or 1/4" GRADE 5 SELF-TAPPING / DRILLING SCREW	SEE NOTE 15, SHEET 1	1/2"

INSTALLATION ANCHOR NOTES:

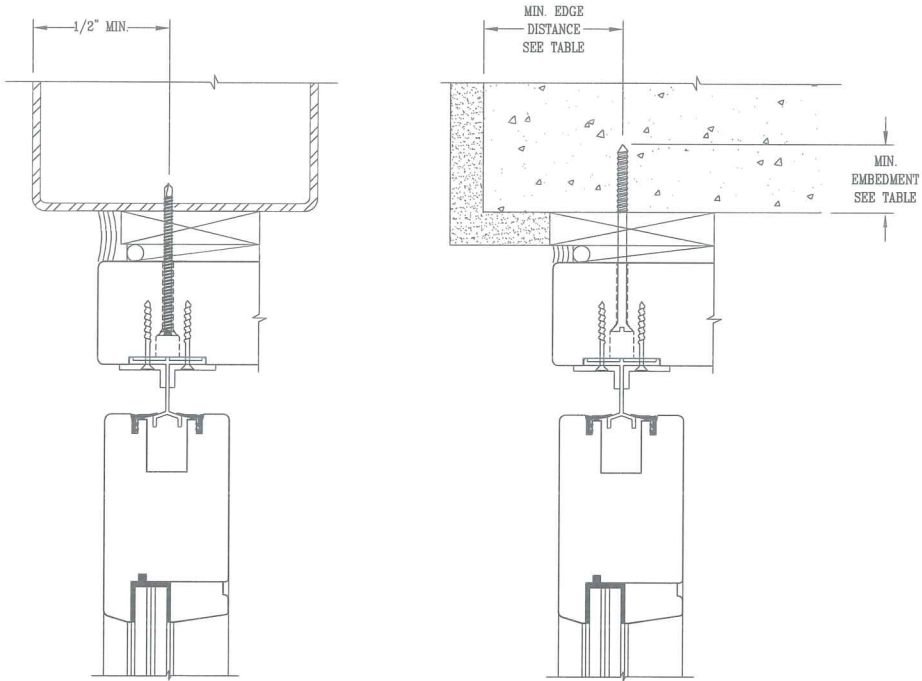
- SEE SHEET 1 FOR ANCHOR LOCATIONS AND SHEETS 3 THRU 5 FOR SECTION VIEWS WITH ADDITIONAL DETAILS CONCERNING LOCATION "A" AND LOCATION "B" REQUIREMENTS.
- A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL CONCRETE OR CMU ANCHORS IN ANY DIRECTION. THE SPACING AS INDICATED IN THE ELEVATION ON SHEET 1 SHALL BE REDUCED AS NEEDED TO ENSURE THAT THE 3" MINIMUM SPACING IS MAINTAINED BETWEEN LOCATION "A" AND LOCATION "B" ANCHORS.
- MIN. EDGE DISTANCES ARE SHOWN TO THE EXTERIOR. MIN. EDGE DISTANCES TO THE INTERIOR ARE SIMILAR.



DROPBOLT DETAIL
(MAY BE MORTISED OR SURFACE MOUNTED)



WOOD
STEEL OR ALUMINUM
CONCRETE (HEAD, SILL, OR JAMB)
OR CMU (ALLOWED AT JAMB ONLY)



STEEL OR ALUMINUM
WITH 1x WOOD BUCK
CONCRETE (HEAD, SILL, OR JAMB)
OR CMU (ALLOWED AT JAMB ONLY)
WITH 1x WOOD BUCK

TYPICAL ANCHOR CONDITIONS

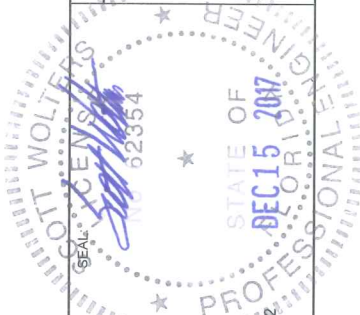
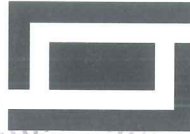
DATE: 09/26/2013

DATE 6/15/15

REVISION DESCRIPTION
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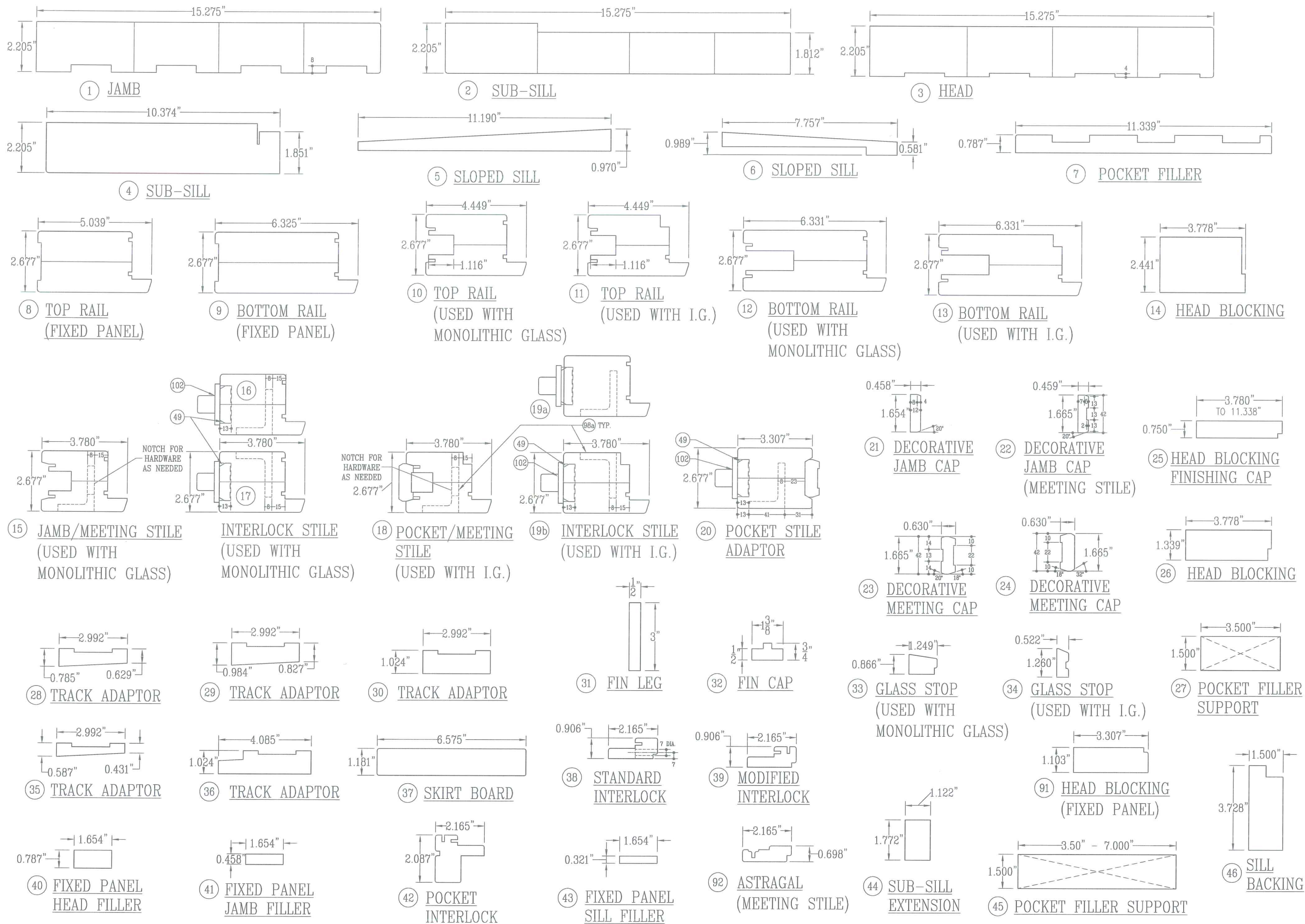


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DATE	REVISION DESCRIPTION	NO.
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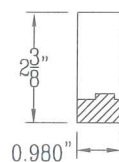
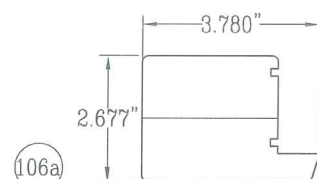
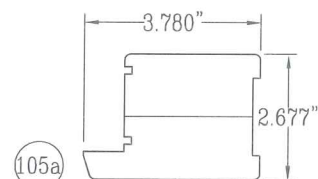
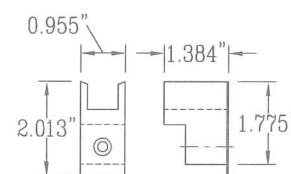
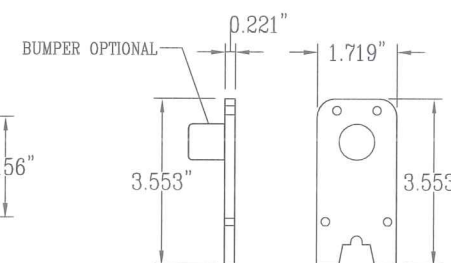
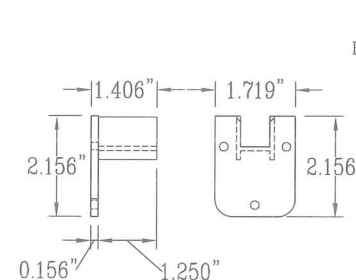
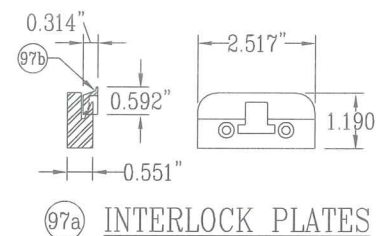
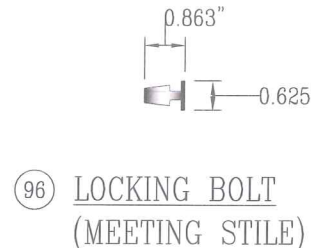
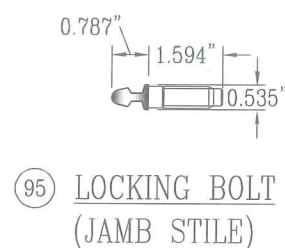
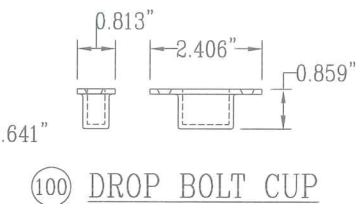
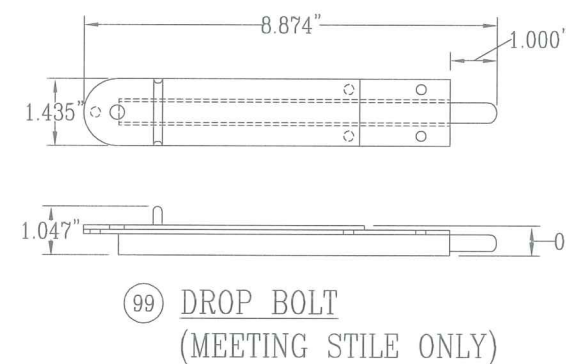
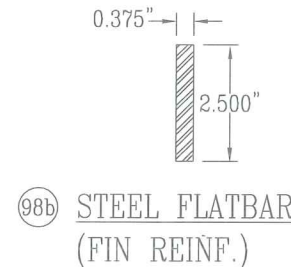
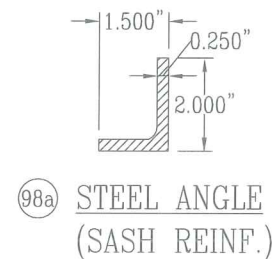
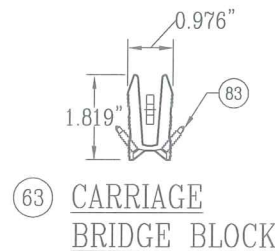
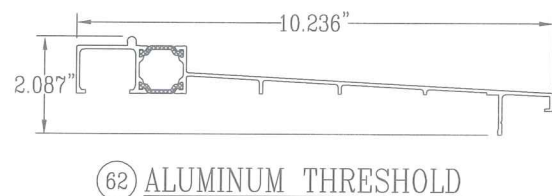
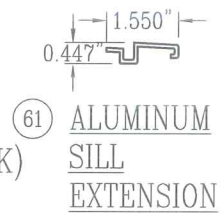
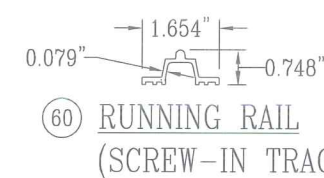
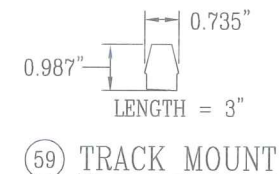
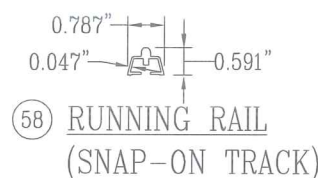
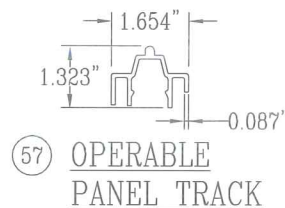
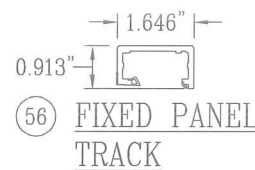
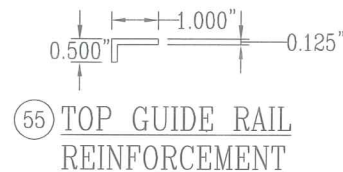
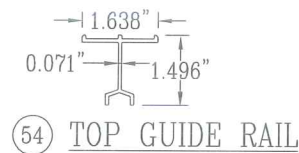
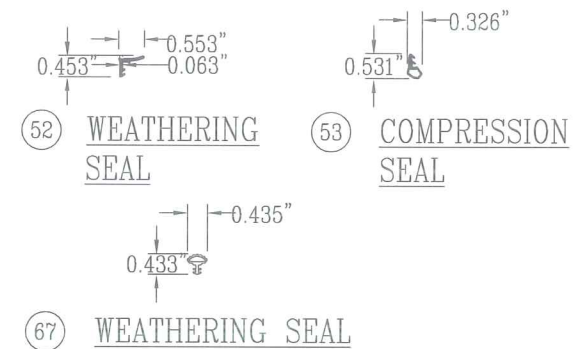
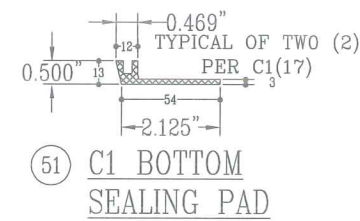
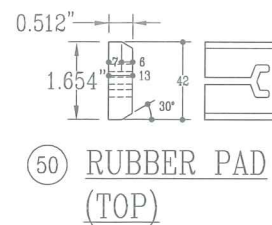
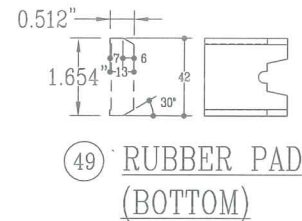
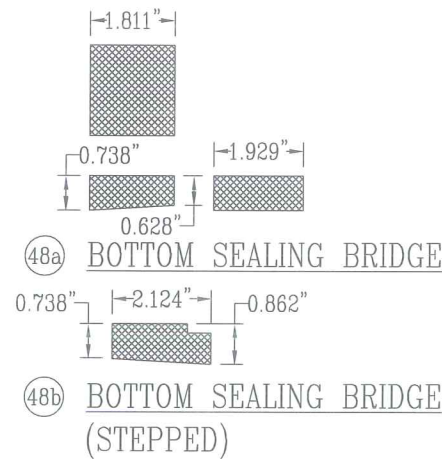
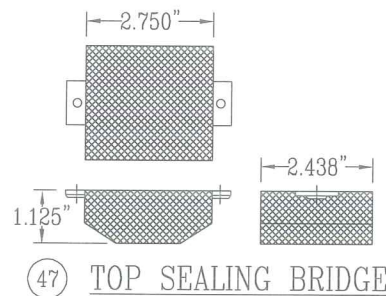
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FL PE# 62354

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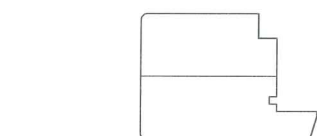
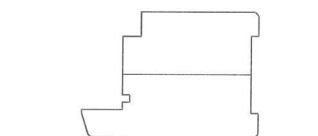
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DRAWING NO.
LIFT&SLIDE

SHEET NO.
8 OF 12



107 MERBAU FIN



105b FIXED JAMB STILE
(USED WITH MONOLITHIC
AND I.G. GLASS)

106b FIXED INTERLOCK STILE
(USED WITH MONOLITHIC
AND I.G. GLASS)

DATE: 09/26/2013

NO.	REVISION DESCRIPTION	DATE
1	PART 107 ADDED	2/28/14
2	UPDATED TO 2014 FBC	6/15/15

WOOD EUROPEAN SERIES GLAZED LIFT AND SLIDE DOORS (MERBAU)

LUXBAUM, LLC
WINDOWS + DOORS

2400 CENTREPARK WEST DR, SUITE 150
WEST PALM BEACH, FL 33409

Ph: (561) 684-1500
www.luxbaum.com



DRAWING NO.
LIFT&SLIDE

SHEET NO.
9 OF 12

ITEM	ITEM DESCRIPTION	NOTES
PARTS		
1	JAMB	MERBAU
2	SUB-SILL	MERBAU
3	HEADER	MERBAU
4	SUB-SILL	MERBAU
5	SLOPPED SILL	MERBAU
6	SLOPPED SILL	MERBAU
7	POCKET FILLER	MERBAU
8	TOP RAIL (FIXED PANEL)	MERBAU
9	BOTTOM RAIL (FIXED PANEL)	MERBAU
10	TOP RAIL (MONOLITHIC GLASS)	MERBAU
11	TOP RAIL (I.G. GLASS)	MERBAU
12	BOTTOM RAIL (MONOLITHIC GLASS)	MERBAU
13	BOTTOM RAIL (I.G. GLASS)	MERBAU
14	HEAD BLOCKING	MERBAU
15	JAMB/MEETING STILE	MERBAU
16	INTERLOCK STILE	MERBAU
17	INTERLOCK STILE	MERBAU
18	POCKET MEETING STILE	MERBAU
19	INTERLOCK STILE	MERBAU
20	POCKET STILE	MERBAU
21	DECORATIVE STILE CAP	MERBAU
22	DECORATIVE JAMB CAP	MERBAU
23	DECORATIVE MEETING CAP	MERBAU
24	DECORATIVE MEETING CAP	MERBAU
25	HEAD BLOCKING FINISHING CAP	MERBAU
26	HEAD BLOCKING	MERBAU
27	POCKET FILLER SUPPORT	WOOD
28	TRACK ADAPTOR	MERBAU
29	TRACK ADAPTOR	MERBAU
30	TRACK ADAPTOR	MERBAU
31	FIN LEG	MERBAU
32	FIN CAP	MERBAU
33	GLASS STOP (MONOLITHIC GLASS)	MERBAU
34	GLASS STOP (I.G. GLASS)	MERBAU
35	TRACK ADAPTOR	MERBAU
36	TRACK ADAPTOR	MERBAU
37	SKIRT BOARD	MERBAU
38	STANDARD INTERLOCK	MERBAU
39	MODIFIED INTERLOCK	MERBAU
40	FIXED PANEL HEAD FILLER	MERBAU
41	FIXED PANEL JAMB FILLER	MERBAU
42	POCKET INTERLOCK	MERBAU
43	FIXED PANEL SILL FILLER	MERBAU
44	SUB-SILL EXTENSION	MERBAU
45	POCKET FILLER SUPPORT	WOOD
46	SILL BACKING	MERBAU
91	HEAD BLOCKING (FIXED PANEL)	MERBAU
92	ASTRAGAL (MEETING STILE)	MERBAU
105a	FIXED JAMB STILE (MONOLITHIC GLASS)	MERBAU
105b	FIXED JAMB STILE (I.G. GLASS)	MERBAU
106a	FIXED INTERLOCK STILE (MONO. GLASS)	MERBAU
106b	FIXED INTERLOCK STILE (I.G. GLASS)	MERBAU
107	MERBAU FIN	MERBAU

ITEM	ITEM DESCRIPTION	MANUFACTURER/NOTES
HARDWARE		
54	TOP GUIDE RAIL	BY: SIEGENIA - PART#: HH0130-03 - 6063-T5 ALUMINUM
55	TOP GUIDE RAIL REINFORCEMENT	BY: SIEGENIA - SUPPLIED WITH LIFT/LOCKING HARDWARE
56	FIXED PANEL TRACK	ALUMINUM PART#: HH132-02
57	OPERABLE PANEL TRACK	ALUMINUM PART#: HH0131
58	RUNNING RAIL (SNAP-ON TRACK)	BY: SIEGENIA - PART#: HH0131-04 - 6061-T6 ALUMINUM
59	TRACK MOUNT	ALUMINUM PART#: 821442
60	RUNNING RAIL (SCREW-IN TRACK)	BY: SIEGENIA - PART#: HH0131-01 - 6061-T6 ALUMINUM
61	ALUMINUM SILL EXTENSION	ALUMINUM PART#: PPVB0060
62	ALUMINUM THRESHOLD	BY: SIEGENIA - 6061 - T6 - ALUMINUM
63	CARRIAGE BRIDGE BLOCK, BETWEEN BOGIES	BY: SIEGENIA - SUPPLIED WITH LIFT/LOCKING HARDWARE
94	LIFT/LOCKING HARDWARE / BOGIES	BY: SIEGENIA - PART#: PGKB0430
95	LOCK BOLT (USED AT JAMB STILE)	BY: SIEGENIA - SUPPLIED WITH LIFT/LOCKING HARDWARE
96	LOCK BOLT (USED AT MEETING STILE)	BY: SIEGENIA - SUPPLIED WITH LIFT/LOCKING HARDWARE
97a/b	INTERLOCK PLATES (SUPPLIED TOGETHER)	BY: SIEGENIA - PART#: PMZB0150-200010
98a	1½" x 2" x ¼" STEEL ANGLE	STEEL ANGLE - GRADE A36 - SEE SHT. 1 FOR LENGTH
98b	⅜" x 2½" STEEL FLATBAR	STEEL FLAT BAR - GRADE A36 - SEE SHT. 1 FOR LENGTH
99	DROP BOLT	BY: CENTOR - PART#: DBSY200NR
100	DROP BOLT CUP	BY: CENTOR - PART#: DBC
101	UPPER CAP BUMPER (END)	BY: SIEGENIA - PART #
102	LOWER CAP BUMPER (END)	BY: SIEGENIA - PART #
103	UPPER GEAR CAP (MEETING STILE)	BY: SIEGENIA - PART #
104	HANDLE	AS REQUIRED TO OPERATE HARDWARE
SEALS AND SEALANTS		
47	TOP SEALING BRIDGE	BY: SIEGENIA - PART #PDIB0100 - DUROMETER 10-12
48a	BOTTOM SEALING BRIDGE	BY: SIEGENIA - PART #PDIB0010_2D - DUROMETER 30
48b	BOTTOM SEALING BRIDGE (STEPPED PAD)	BY: SIEGENIA - PART #PDIB0010_2D - DUROMETER 30
49	RUBBER BUMPER (BOTTOM)	BY: SIEGENIA - PART #PDIB0110-023010
50	RUBBER BUMPER (TOP)	BY: SIEGENIA - PART #PDIB0070-0F8010
51	BOTTOM SEALING PAD (C1)	BY: SIEGENIA - PART #PDIB0010-099011
52	WEATHERING SEAL	BY: SIEGENIA - PART #PDPB0100 - DUROMETER 65
53	COMPRESSION SEAL	BY: SIEGENIA - PART #PDPB0030 - DUROMETER 65
64	15 LM POLYURETHANE SEALANT	BY: SIKA
65	WOOD GLUE	BY: GORILLA GLUE
66	DOW 995 (GLAZING BEAD)	BY: DOW CORNING (3 SIDES OF GLAZING POCKET)
67	WEATHERING SEAL	BY: DEVENTER S-6890
110	1/8"x1/2"x4" SETTING BLOCK, 2 per DLO	NEOPRENE (70-90 SHORE A DURAMETER HARDNESS)
111	1/8"x1 1/8"x4" SETTING BLOCK, 2 per DLO	NEOPRENE (70-90 SHORE A DURAMETER HARDNESS)

ITEM	ITEM DESCRIPTION	MANUFACTURER/NOTES
MISC. FASTENERS		
68	NO. 12 X 2 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C.
69	NO. 14 X 3" SS WOOD SCREW	WITHIN 6" OF ENDS & 16" O.C. (HEAD BLOCKING)
70	4mm X 40mm SS WOOD SCREW	WITHIN 2" OF ENDS & 12" O.C.
71	NO. 6 X 1 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C. (2 ROWS)
72	NO. 12 X 2 1/2" SS WOOD SCREW	WITHIN 2" OF ENDS & 15 3/4" O.C.
73	23 GAGE BRAD NAIL	2" FROM CORNERS & 8" O.C.
74	NO. 6 X 1 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C. (2 ROWS)
75	NO. 8 X 2 1/2" SS WOOD SCREW	1 PER LOCK BOLT/GEAR
76	NO. 10 X 1 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 16" O.C.
77	NO. 12 X 6" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C.
78	NO. 10 X 1 1/2" SS WOOD SCREW	WITHIN 2" OF ENDS & 12" O.C.
79	NO. 10 X 2 1/2" SS WOOD SCREW	2 PER ITEM #59 / WITHIN 6" OF ENDS & 12" O.C.
80	NO. 18 X 1 1/4" SS WOOD SCREW	WITHIN 6" OF ENDS & 16" O.C.
81	4mm X 40mm SS WOOD SCREW	INSTALL PER DROPBOLT DETAIL SHT. 15
82	4mm X 20mm SS WOOD SCREW	INSTALL PER DROPBOLT DETAIL SHT. 15
83	NO. 6 X 1 1/2" SS WOOD SCREW	2 1/2" O.C. (STAGGERED)
84	NO. 10 X 2 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C.
85	NO. 12 X 9" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C.
86	NO. 12 X 3 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 16" O.C.
87	NO. 14 X 3" SS WOOD SCREW	1 1/2" FROM ENDS (FRAME CORNER FASTENER)
88	1/4"-8 X 6" SS WOOD SCREW	1 1/2" FROM ENDS & 2 1/2" O.C. (4 TOTAL EA. CORNER)
89	NO. 12 X 3 1/2" SS WOOD SCREW	WITHIN 6" OF ENDS & 12" O.C. (STAGGERED)
90	NO. 12 X 3 1/2" SS WOOD SCREW	WITHIN 2" OF ENDS & 12" O.C.
93	NO. 8 X 3" SS SCREW (⅜" Ø HOLE) @ FIN	WITHIN 2" OF TOP & BOTTOM & 10" O.C.
108	NO. 12 X 3 1/2" SS SCREW	1" FROM ENDS & 9" O.C.

DATE: 09/26/2013

REVISION DESCRIPTION

NO.

DATE

1

2

2/28/14

6/15/15

PARTS 107 AND 108 ADDED

UPDATED TO 2014 FBC

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SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CO.# 27154)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DRAWING NO.

LIFT&SLIDE

SHEET NO.

10 of 12

SCOTT WOLTERS
FL PE# 62354

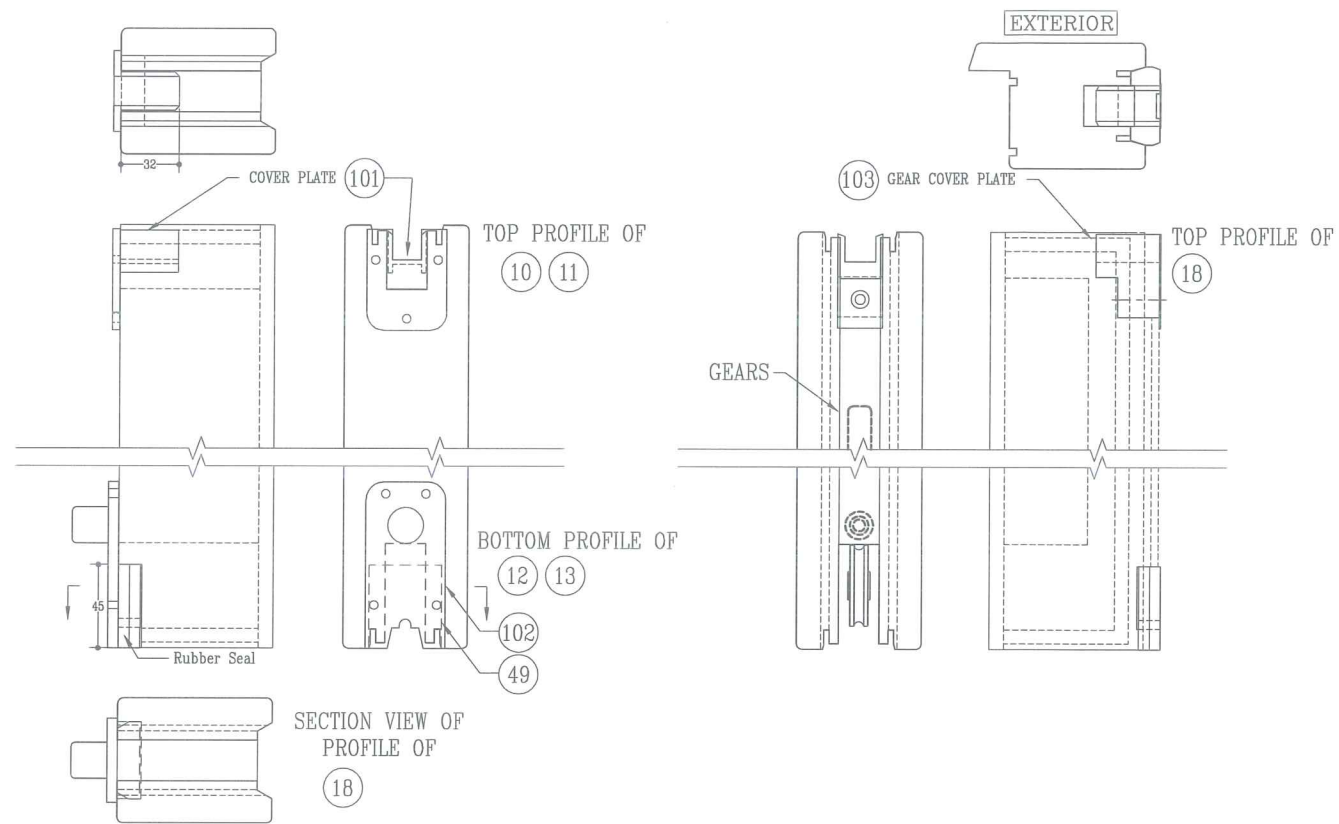
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(CO.# 27154)
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WEST PALM BEACH, FL 33412

DRAWING NO.

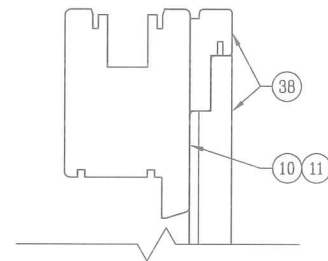
LIFT&SLIDE

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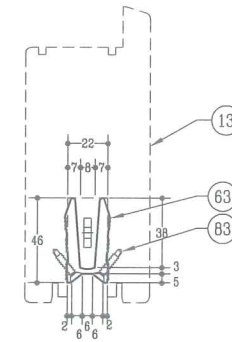
10 of 12



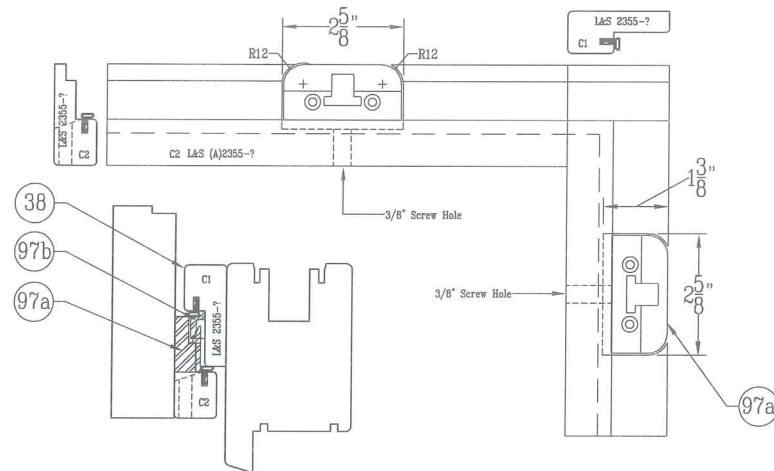
WATER STOP SEAL AND PROFILE CUT



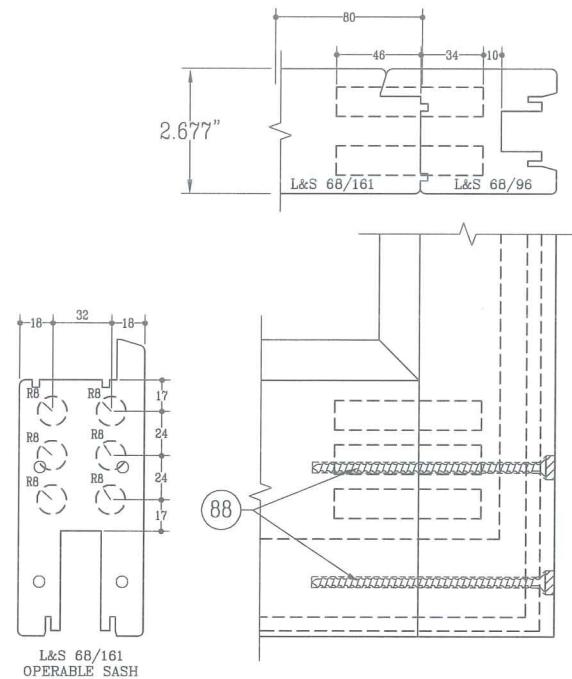
C1(17) TO C1(17)
CONNECTION



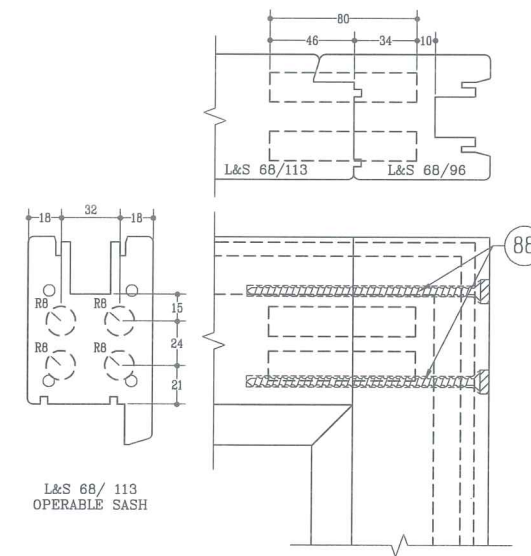
PLASTIC CARRIAGE
BRIDGE BLOCK



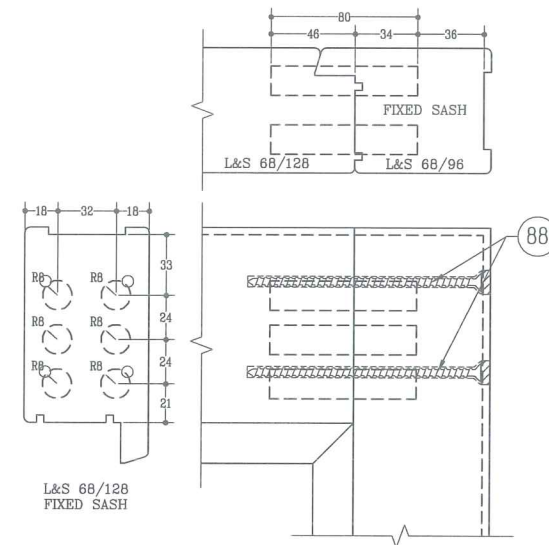
INTERLOCK PLATE CONDITION DETAIL



BOTTOM RAIL TO STILE JOINERY
(OPERABLE SASH SHOWN, FIXED SIM.)



TOP RAIL TO STILE JOINERY
OPERABLE SASH



TOP RAIL TO STILE JOINERY
FIXED SASH

DATE: 09/26/2013	
DATE: 6/15/15	REVISION DESCRIPTION: UPDATED TO 2014 FBC
NO. 2	

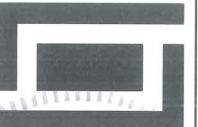
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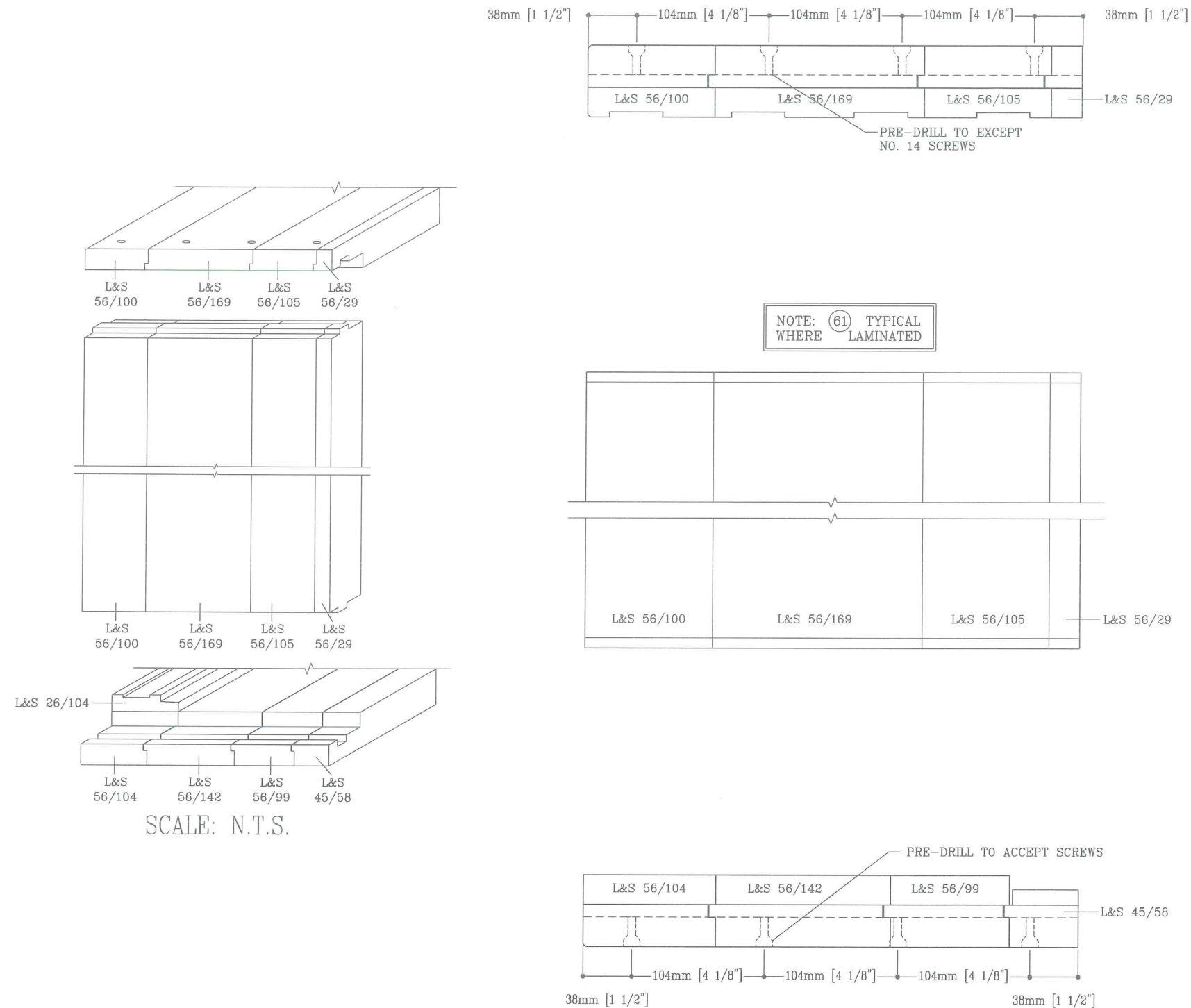


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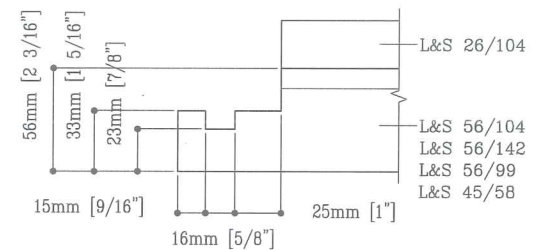
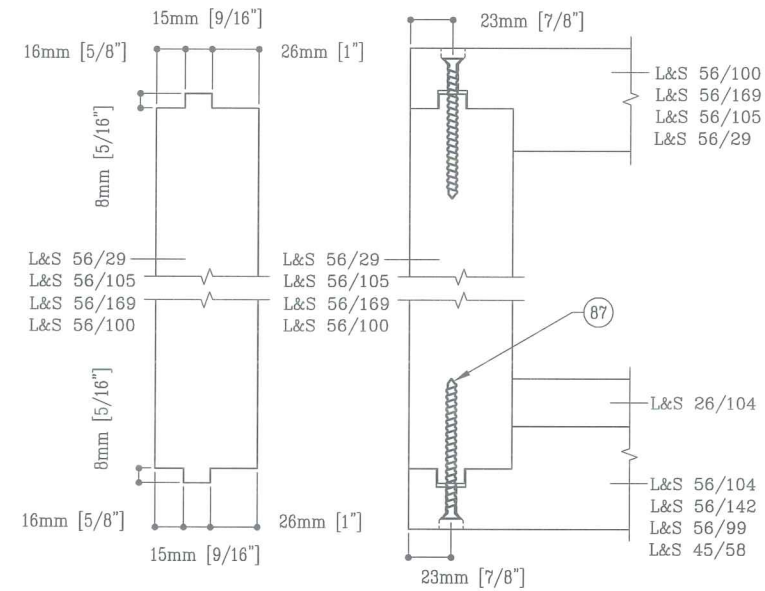
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412

DEC 15 2017
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWING NO. LIFT&SLIDE
SHEET NO. 11 OF 12



CORNER CONSTRUCTION DETAIL



DATE: 09/26/2013

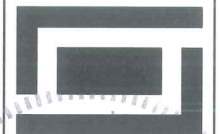
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WEST PALM BEACH, FL 33412

DRAWING NO.
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SHEET NO.
12 OF 12