



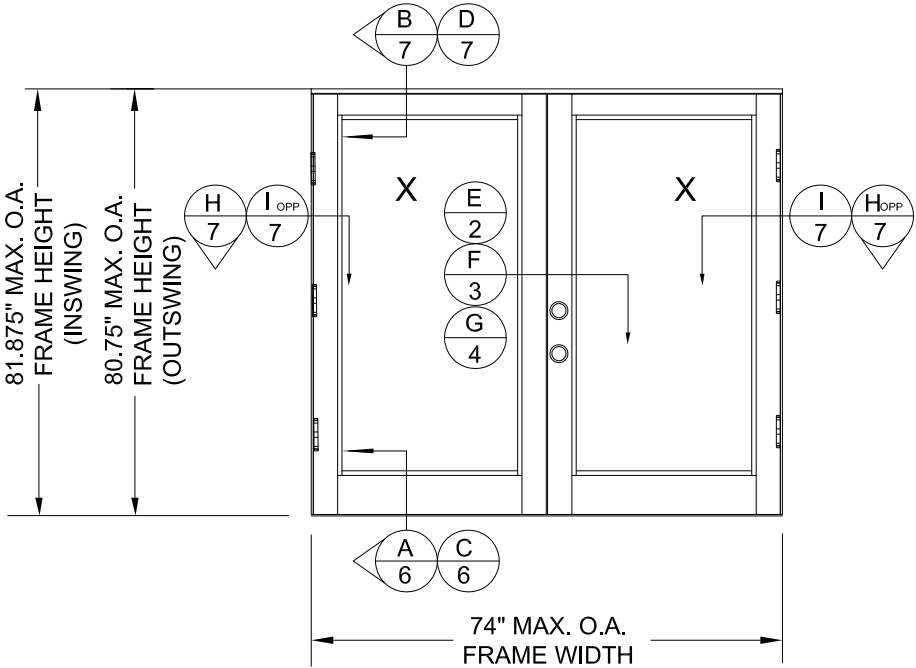
PLASTPRO GLAZED
6'-8" FIBERGLASS DOOR XX
INSWING / OUTSWING
IMPACT - HVHZ

GENERAL NOTES:

- THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC) STRUCTURAL REQUIREMENTS INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ).
- PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING.
- INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF INSTALLATION METHODS DEVIATE FROM THESE APPROVED DETAILS FURTHER INVESTIGATION BY A LICENSED REGISTERED DESIGN PROFESSIONAL IS REQUIRED.
- ADEQUACY OF EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING PER INSTALLATION AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO FOUNDATION IS RESPONSIBILITY OF ENGINEER OR ARCHITECT OF RECORD.
- THIS PRODUCT IS IMPACT RATED AND DOES NOT REQUIRE IMPACT PROTECTION IN WIND BORNE DEBRIS REGIONS.
- OUTSWING DOOR CONDITIONS MEET WATER INFILTRATION REQUIREMENTS. ALL OTHER CONFIGURATIONS DO NOT MEET WATER INFILTRATION REQUIREMENTS AND MUST BE INSTALLED ONLY IN NON-HABITABLE AREAS OR AT HABITABLE LOCATIONS PROTECTED BY AN OVERHANG OR CANOPY SUCH THAT ANGLE BETWEEN EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES.
- ALL SYSTEM MEMBERS IN CONTACT WITH MASONRY/CONCRETE OR EXPOSED TO THE ENVIRONMENT SHALL BE TREATED WITH AN APPROVED PRESERVATIVE PER FBC CHAPTER 23.
- 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.
- APPROVED CONFIGURATIONS: X, XX

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION AND GENERAL NOTES
2 – 4	ASTRAGAL AND LOCK DETAILS
5	TRILLENIUM LOCKS FOR 6–8 DOORS
6	SILL AND GLAZING DETAILS
7	INSTALLATION DETAILS
8	ANCHOR ELEVATIONS AND NOTES
9	COMPONENTS AND BILL OF MATERIALS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER NEW CODE	03/13/2024	R.L.



LARGE MISSILE IMPACT RATING			
MAX. OVERALL FRAME SIZE (IN)		DESIGN PRESSURE RATING (PSF)	
		POSITIVE	NEGATIVE
INSWING	74" X 81.875"	+ 50.0	- 50.0
OUTSWING	74" X 80.75"	+ 50.0	- 50.0
QUALIFIED PANELS AND COMPONENTS			
PLASTPRO FIBERGLASS INSERT GLAZED PANELS-SMC 0.140" SKIN			
REFER TO SHEETS 2, 3 & 4 FOR ALL HARDWARE OPTIONS			
REFER TO SHEET 6 FOR IMPACT GLAZING INSERT OPTIONS			

ENDURA PRODUCTS, INC.
8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
ELEVATION AND NOTES

DRAWN:
R.M.

DWG NO.
NL-0011D

REV
D

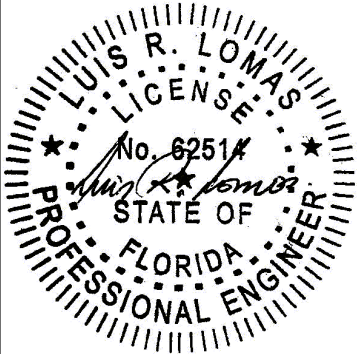
SCALE NTS

DATE 07/30/13

SHEET 1 OF 9

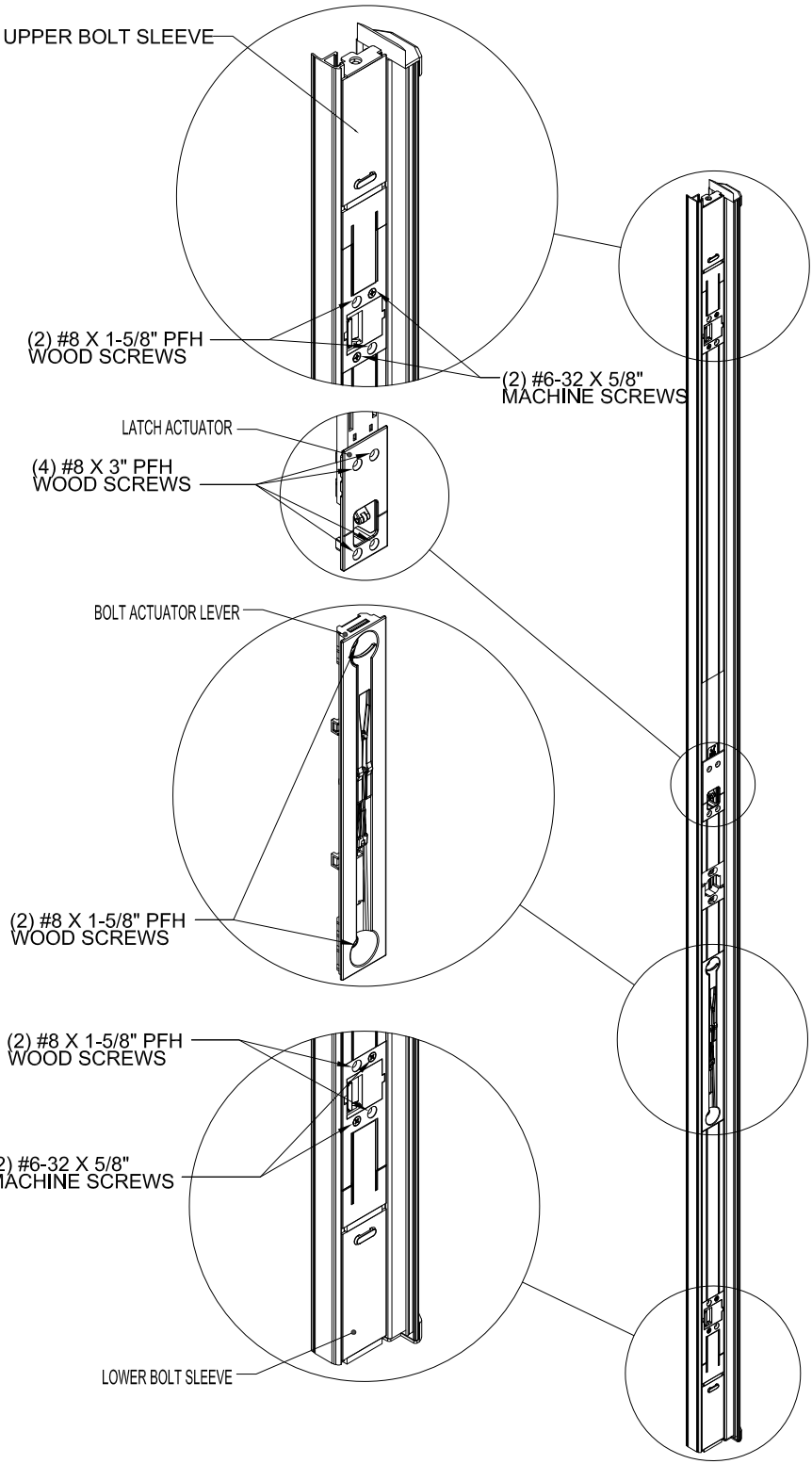
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

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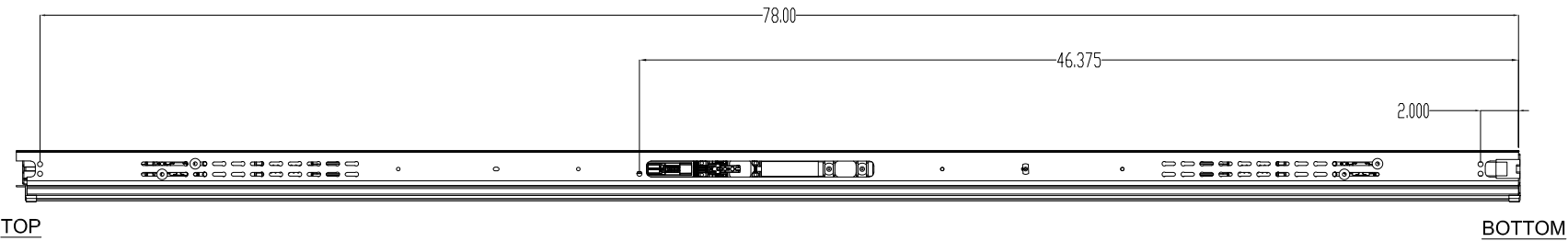
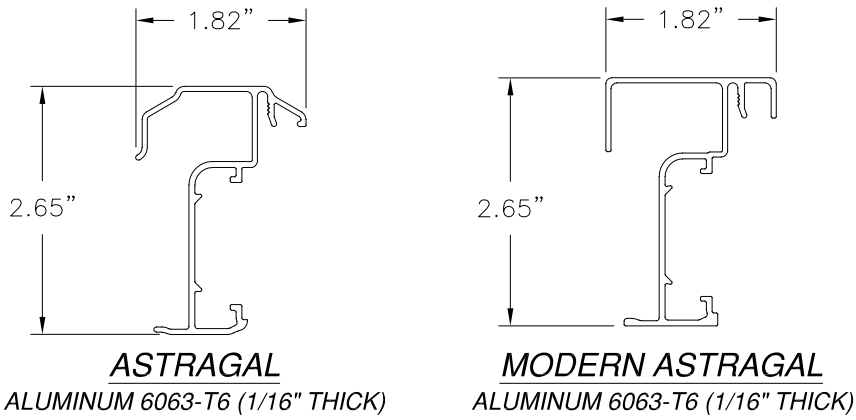


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FL No.: 62514

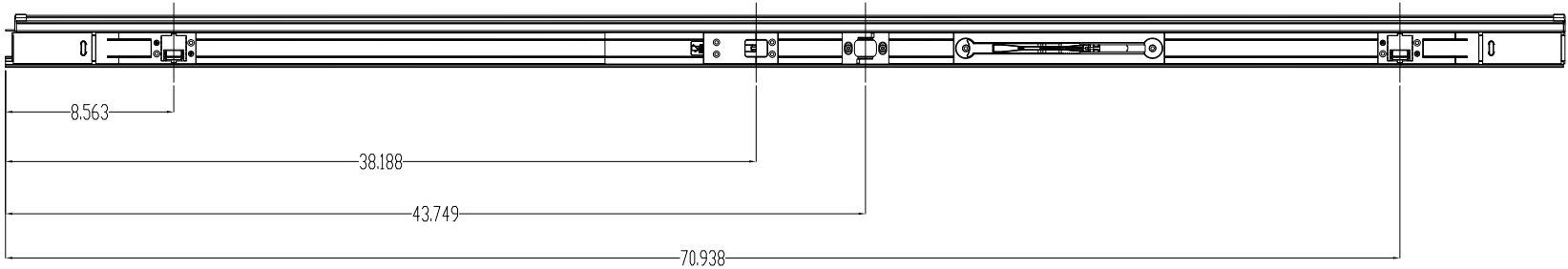
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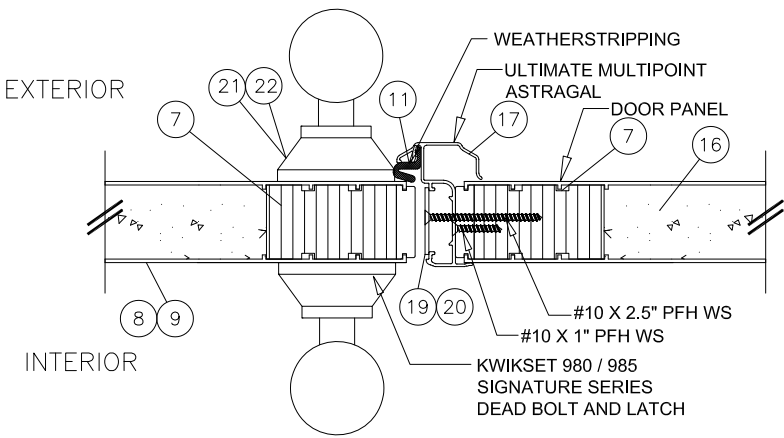
ULTIMATE MULTIPOINT ASTRAGAL



ANCHOR SCREW LOCATIONS



HARDWARE LOCATIONS



E ASTRAGAL SECTION
2 INSWING SHOWN-OUTSWING SIMILAR

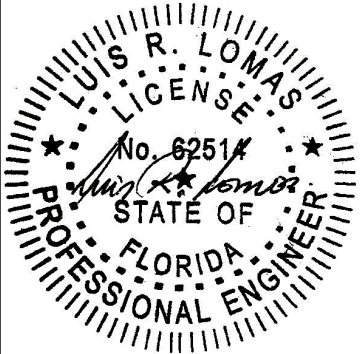
ENDURA PRODUCTS, INC.
8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
ASTRAGAL AND LOCK DETAILS

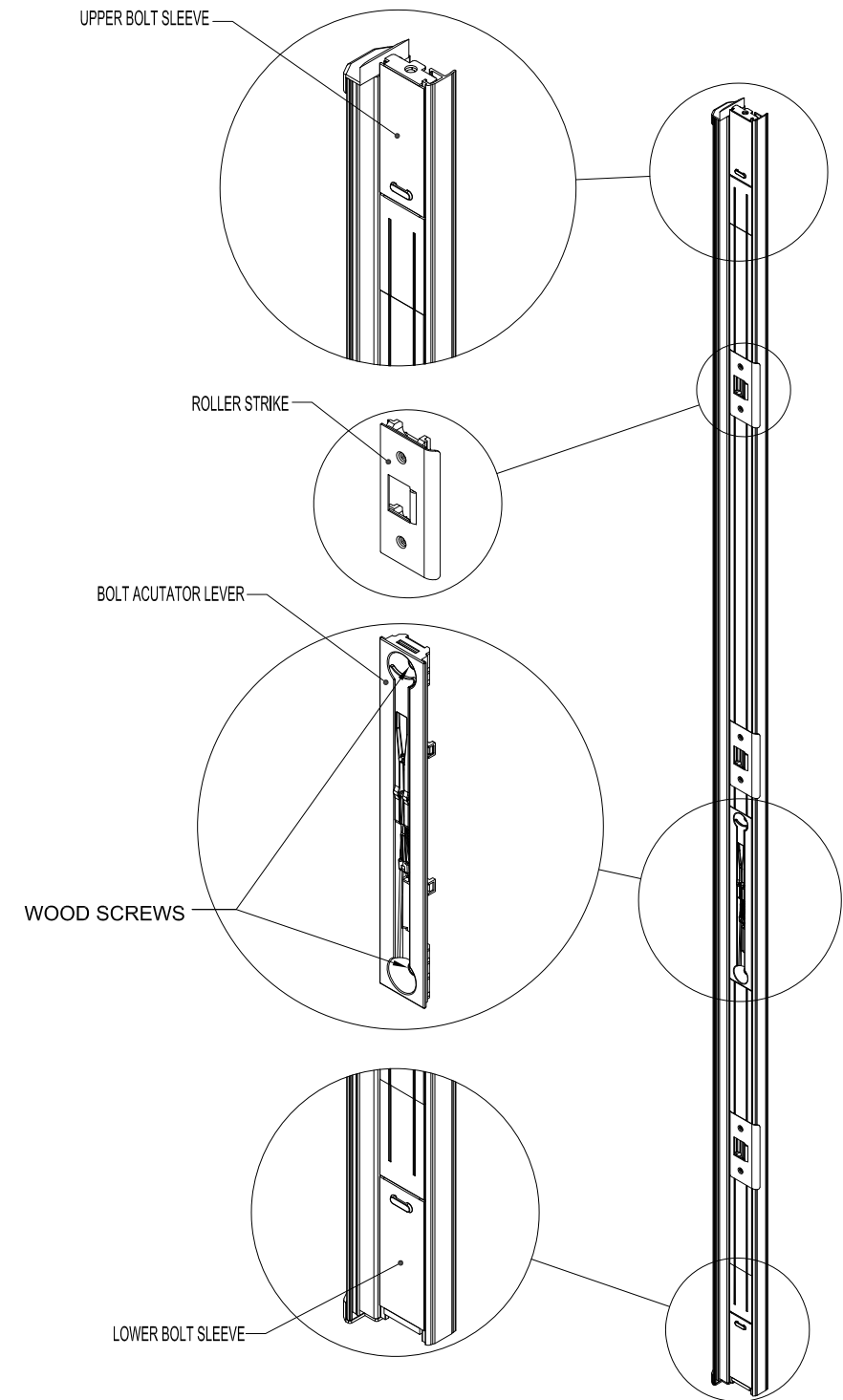
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SCALE NTS	DATE 07/30/13	SHEET 2 OF 9

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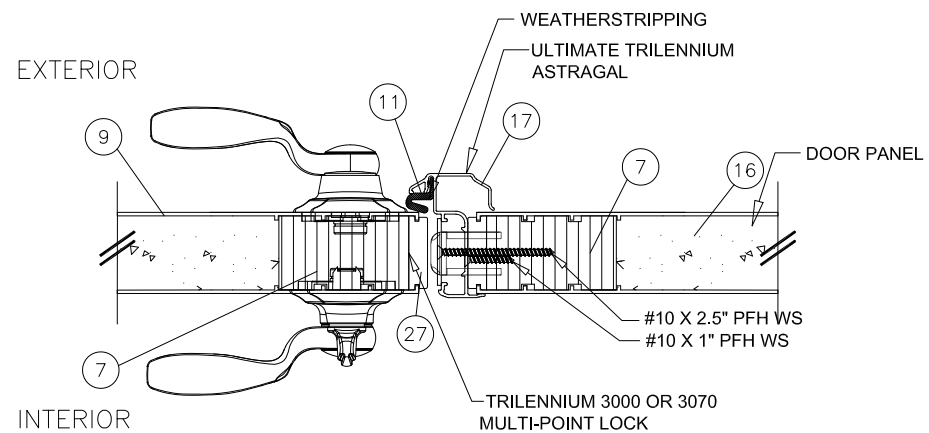
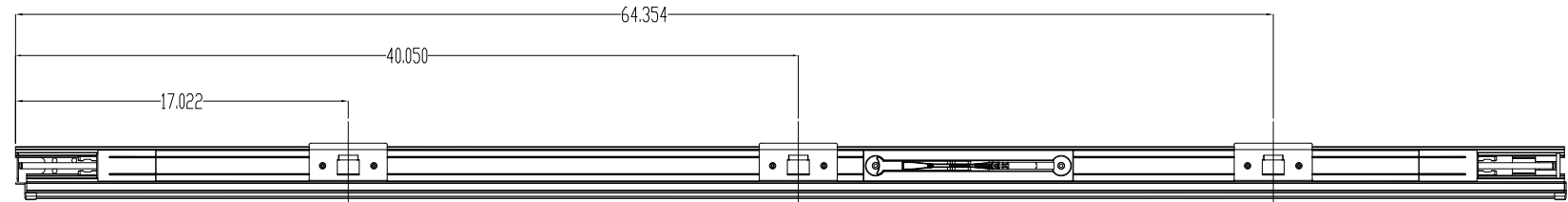
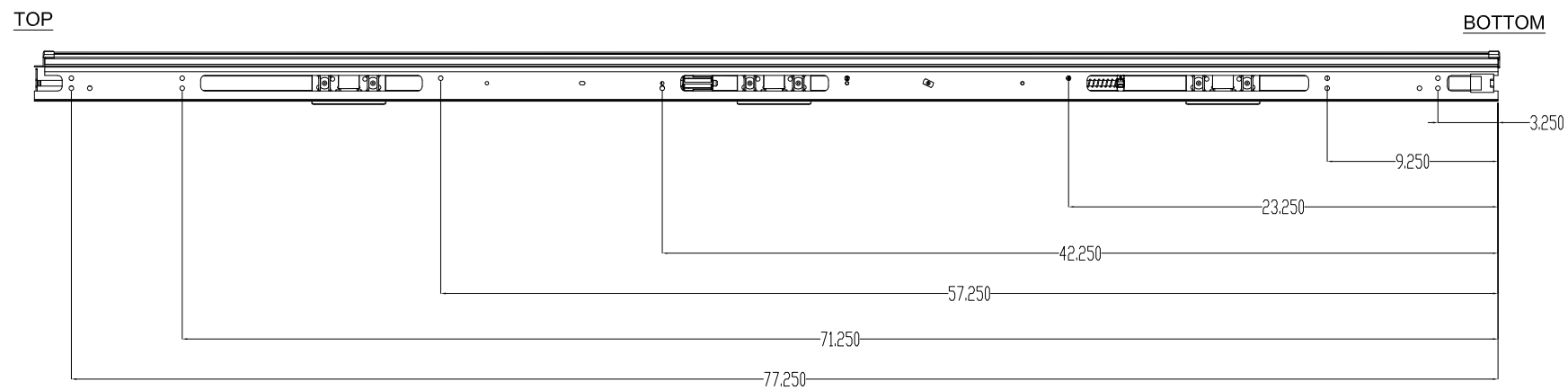
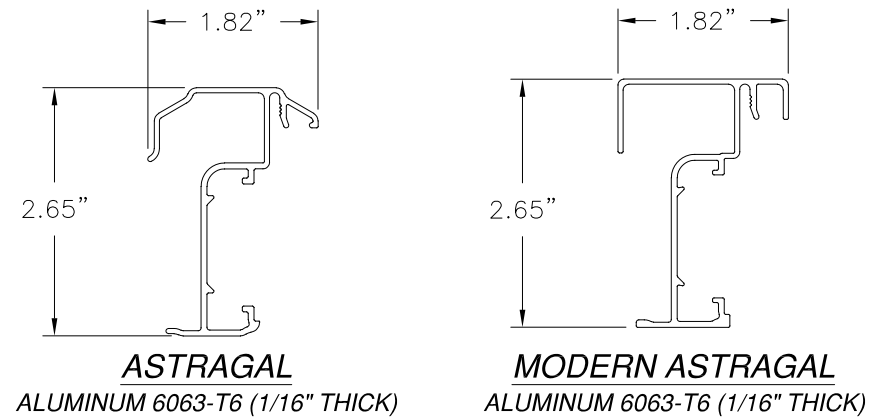
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FL No.: 62514



ULTIMATE TRIENNium ASTRAGAL



F 3 ASTRAGAL SECTION
INSWING SHOWN-OUTSWING SIMILAR

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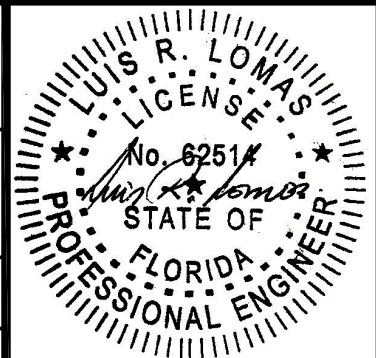
ENDURA PRODUCTS, INC.
8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
ASTRAGAL AND LOCK DETAILS

DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 3 OF 9

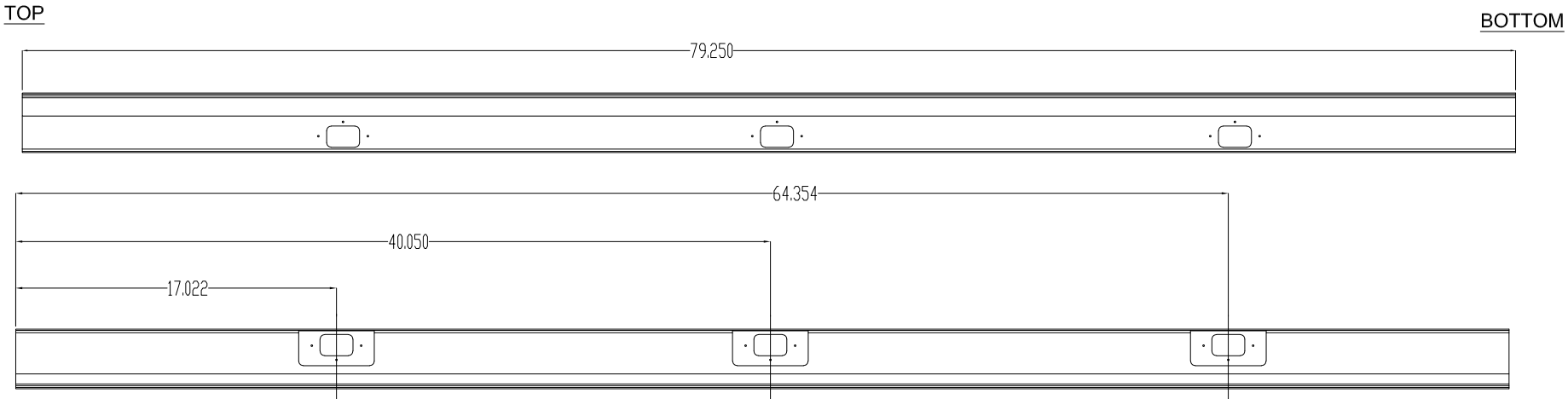
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HARDWARE LOCATIONS

WOOD BODY

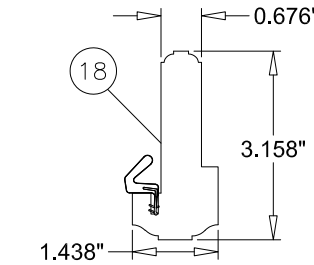
ROLLER STRIKE

INTERIOR

EXTERIOR

WEATHERSTRIPPING
WOOD ASTRAGAL

DOOR PANEL



ASTRAGAL SECTION

TRILENNIUM 3500
MULTI-PONT LOCK

TRILENNIUM 3020
MULTI-PONT LOCK

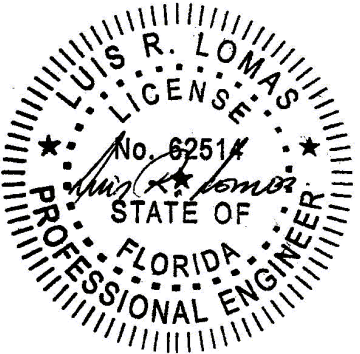
#10 X 2.5" PFH WS
#10 X 1" PFH WS

G
4 ASTRAGAL SECTION
INSWING SHOWN-OUTSWING SIMILAR

WOOD ASTRAGAL

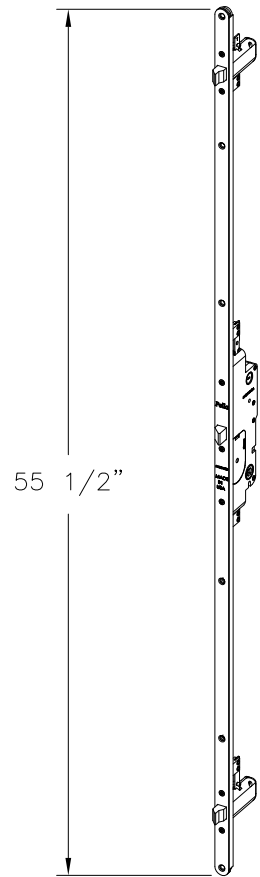
SIGNED: 04/01/2024

ENDURA PRODUCTS, INC. 8817 WEST MARKET STREET COLFAX, NC 27235		
PLASTPRO GLAZED FIBERGLASS DOOR ASTRAGAL AND LOCK DETAILS		
DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 4 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

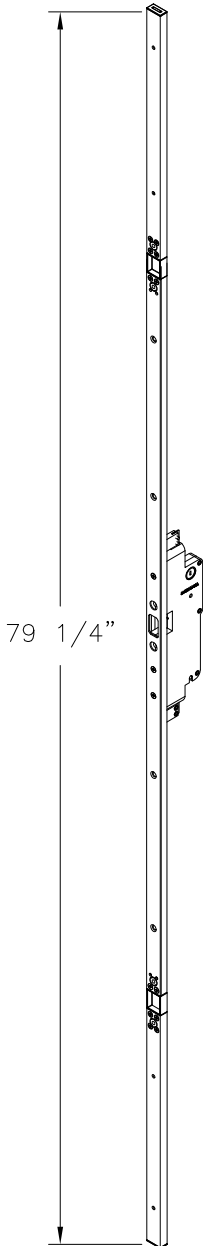


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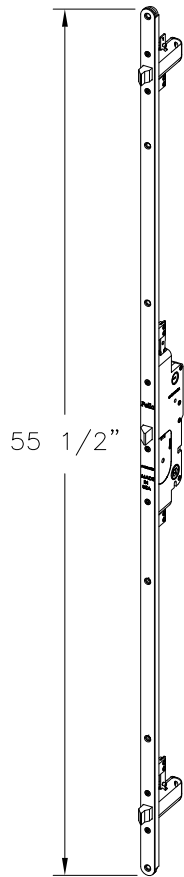
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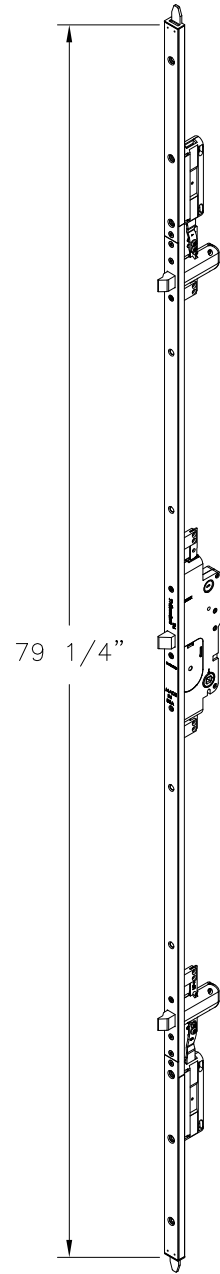
TRILENNIUM
3000 – 6/8



TRILENNIUM
3020 – 6/8



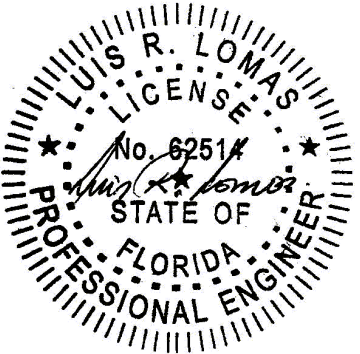
TRILENNIUM
3070 – 6/8



TRILENNIUM
3500 – 6/8

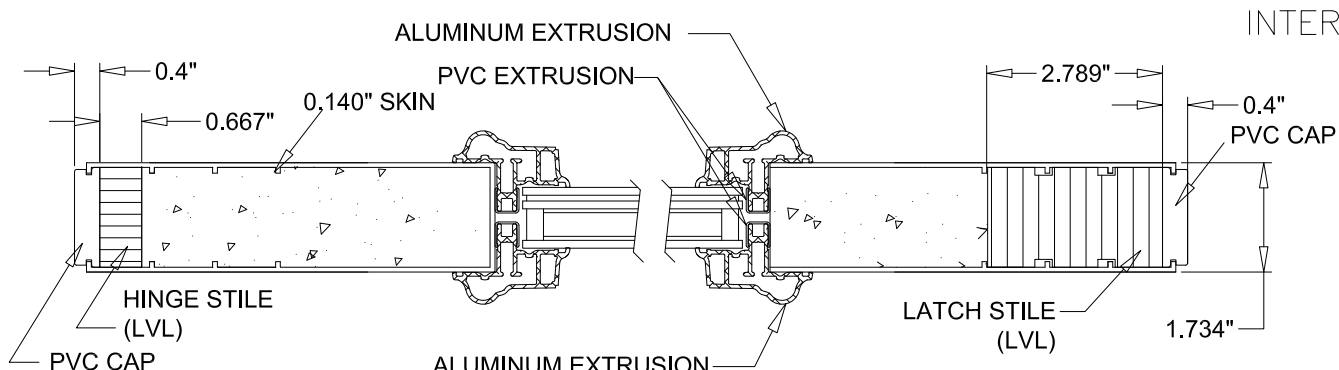
ENDURA PRODUCTS, INC. 8817 WEST MARKET STREET COLFAX, NC 27235		
PLASTPRO GLAZED FIBERGLASS DOOR TRILENNIUM LOCKS FOR 6-8 DOORS		
DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 5 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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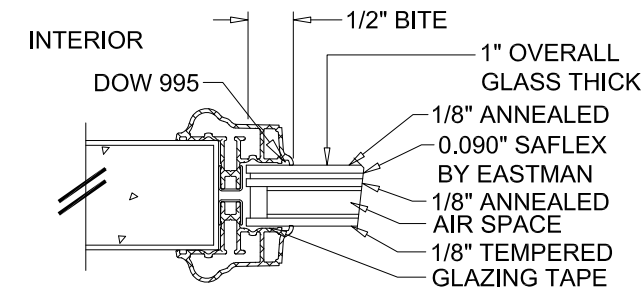


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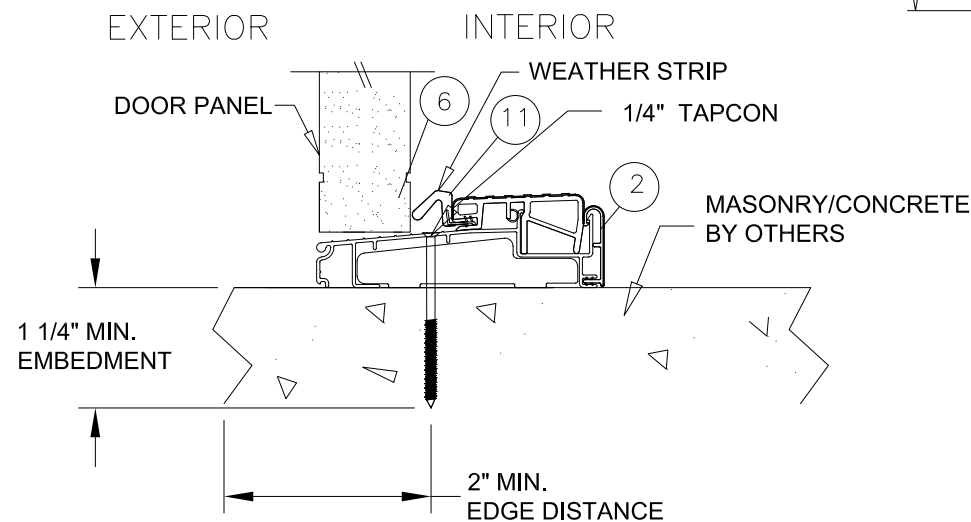
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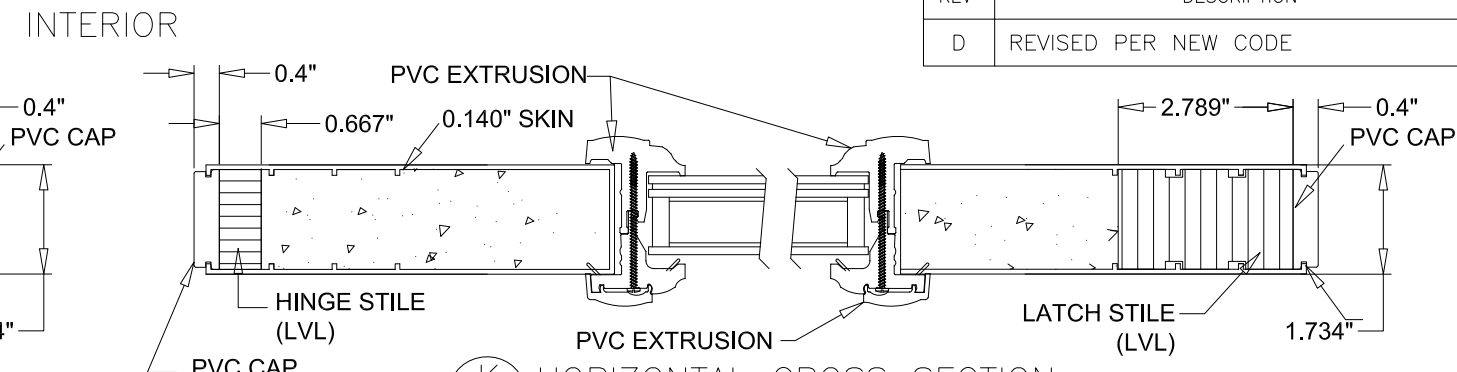
J
6
HORIZONTAL CROSS SECTION
OD L SEVERE WEATHER
GLAZING INSERT OPTION



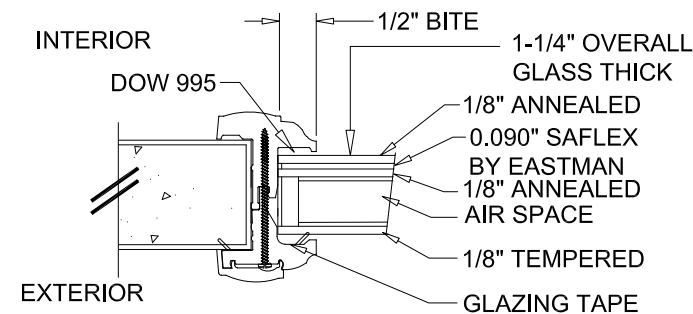
OD L GLAZING DETAIL
ALUMINUM SPACER



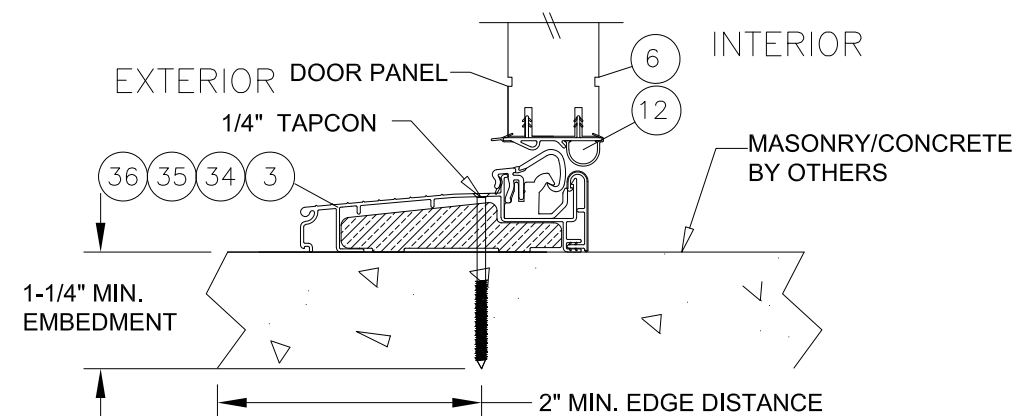
A
6
VERTICAL CROSS SECTION
OUTSWING "Z" SERIES SILL (ZOBL4565)



K
6
HORIZONTAL CROSS SECTION
RSL HURRICANE IMPACT
GLAZING INSERT OPTION



RSL GLAZING DETAIL
ALUMINUM SPACER



C
6
VERTICAL CROSS SECTION
IN-SWING "Z" SERIES SILL (ZACL4565)

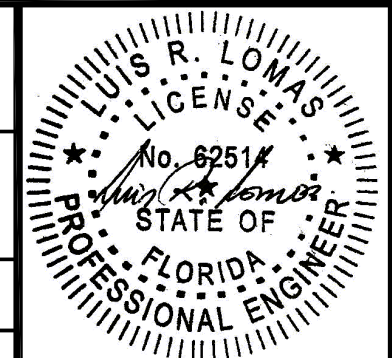
ENDURA PRODUCTS, INC.
8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
GLAZING INSERT & SILL DETAILS

DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 6 OF 9

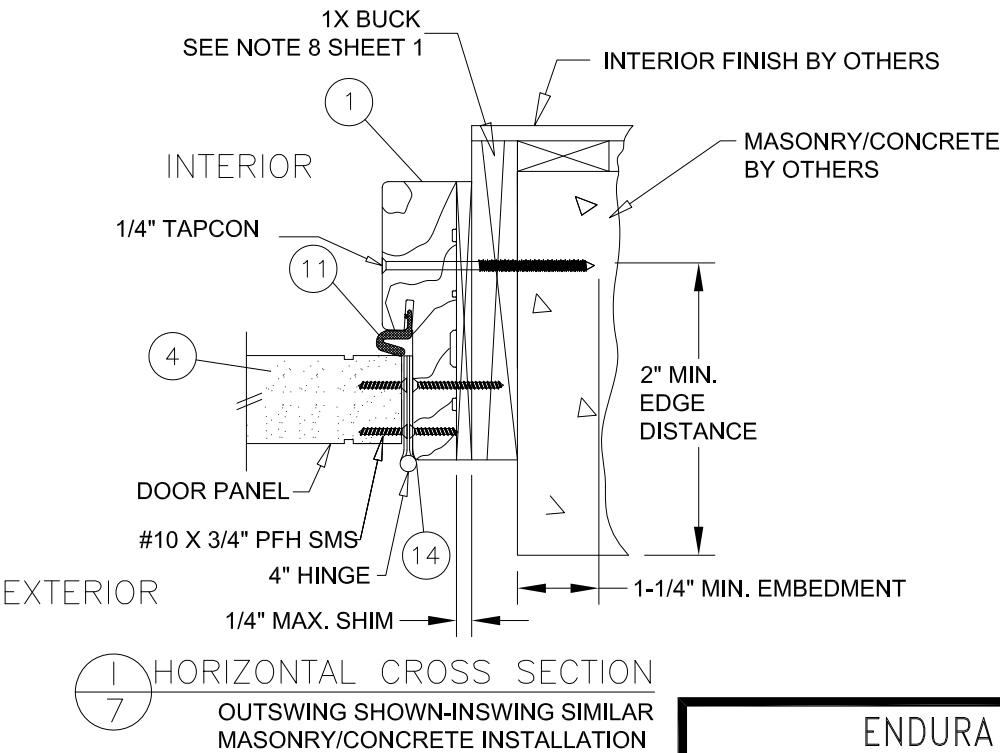
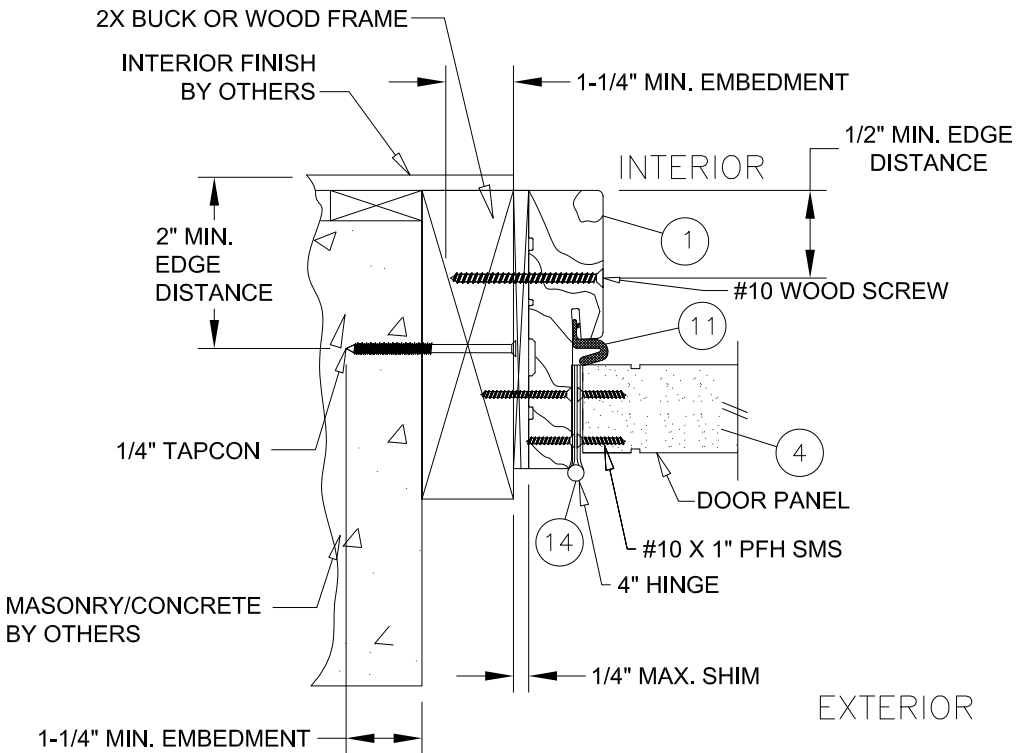
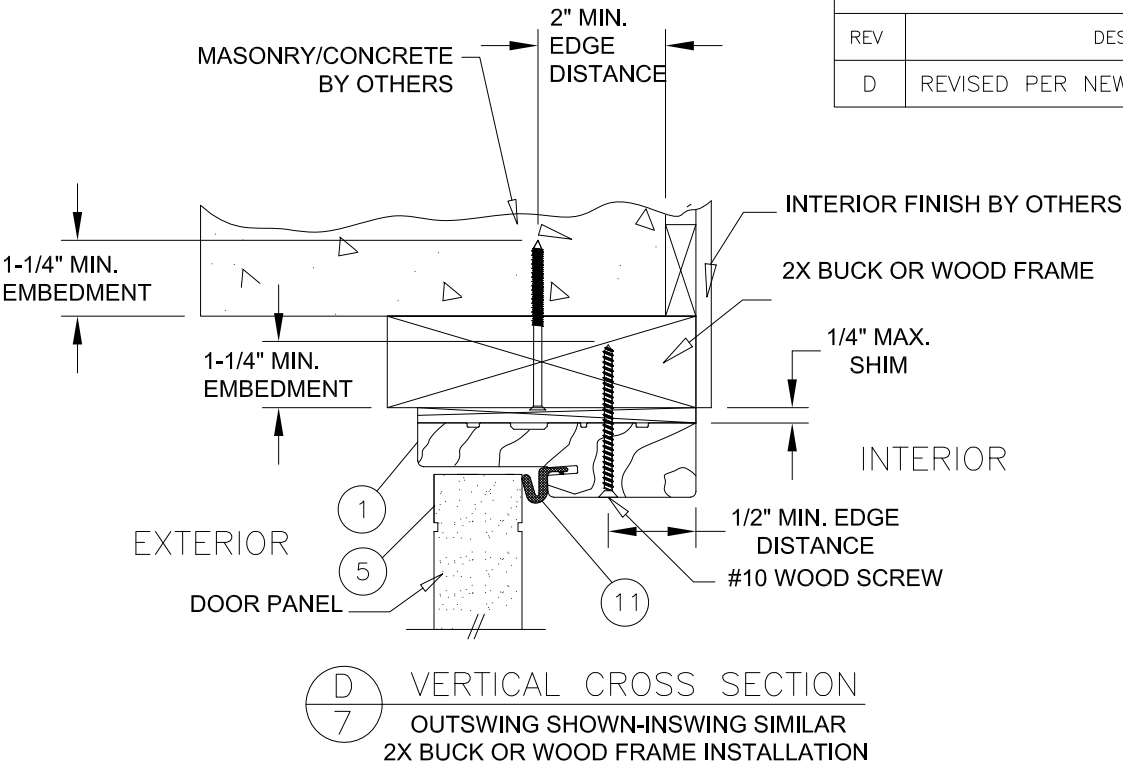
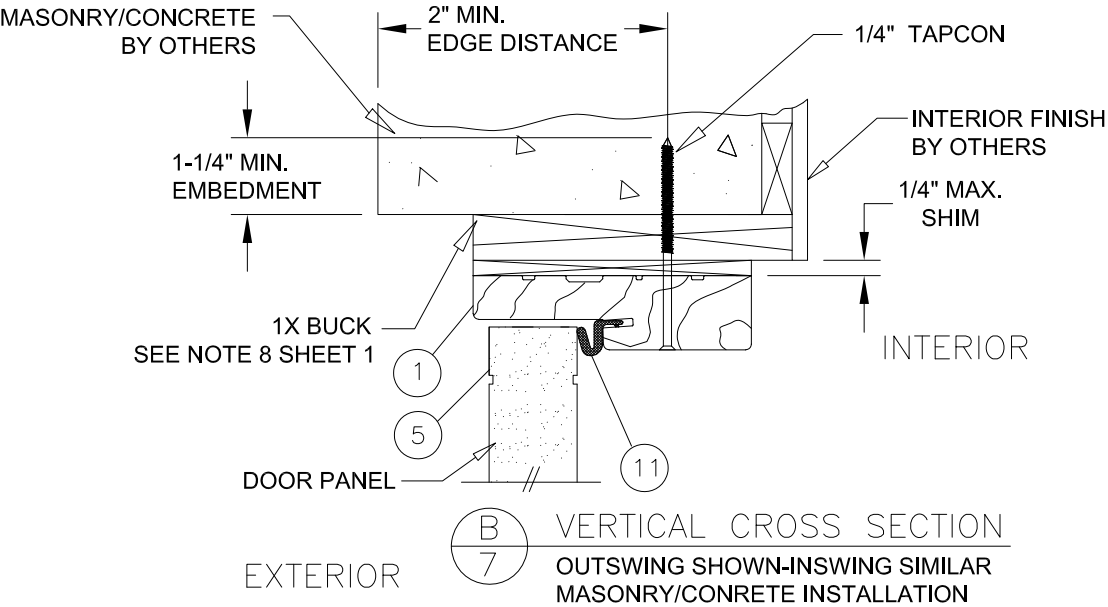
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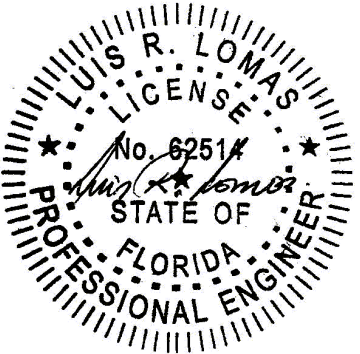
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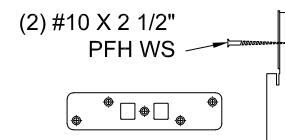
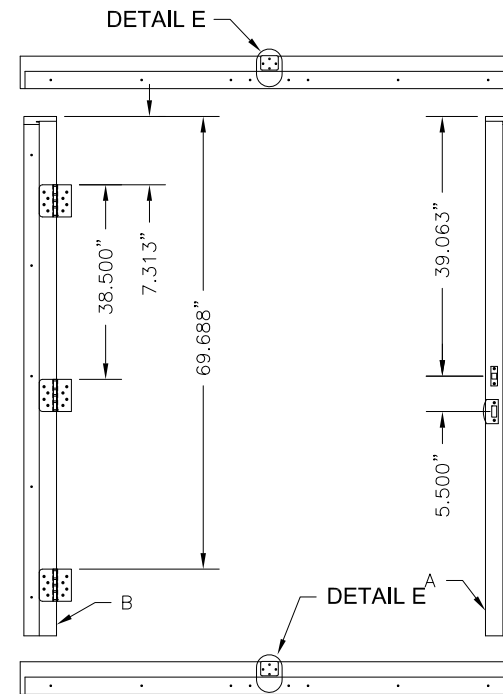
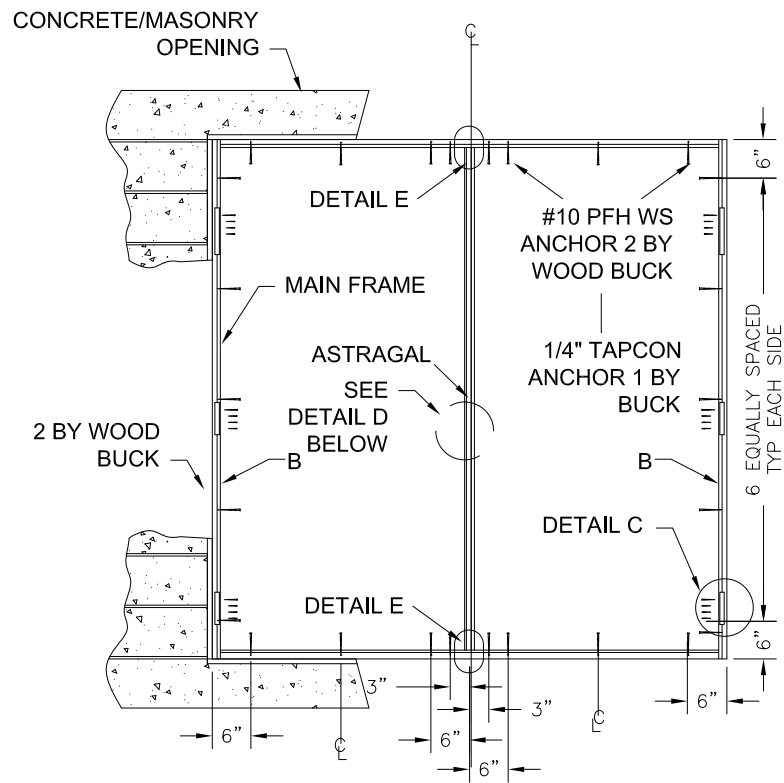
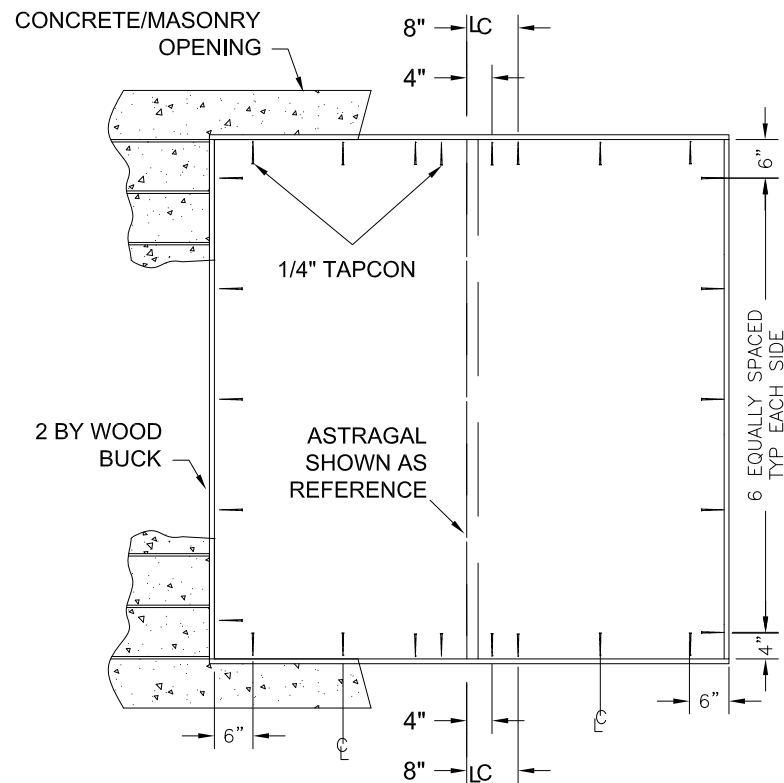


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ENDURA PRODUCTS, INC. 8817 WEST MARKET STREET COLFAX, NC 27235		
PLASTPRO GLAZED FIBERGLASS DOOR INSTALLATION DETAILS		
DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 7 OF 9
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

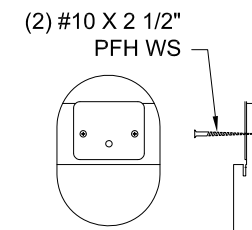


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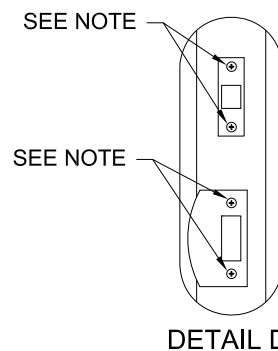
HEAD/SILL STRIKE PLATE DETAIL

3500 / 3020 TRILENNIUM
ATTACH LOCK THROW BOLT
STRIKE PLATE TO FRAME
AS SHOWN.

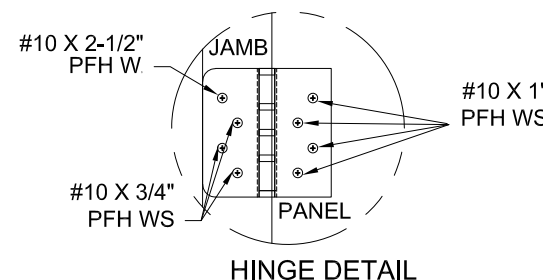


HEAD STRIKE PLATE DETAIL

ULTIMATE MPA ASTRAGAL
ATTACH ASTRAGAL THROW BOLT
STRIKE PLATE TO FRAME
AS SHOWN.



NOTE:
ATTACH STRIKE & DEADBOLT
PLATES TO STRIKE & BUCK
WITH #10 X 2" FH WOOD SCREW
ATTACH STRIKE & DEAD BOLT
PLATES TO ASTRAGAL WITH #8
X 2 1/2" FH WOOD SCREWS
ATTACH STRIKE TO JAMB &
SIDELITE JAMB WITH #10 X 1 3/4"
FH WOOD SCREW.



INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS MUST MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/8 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING, USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4" INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE 1/4" TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4" MINIMUM EMBEDMENT WITH A 2" MINIMUM EDGE DISTANCE.
- ALTERNATE CONCRETE / MASONRY INSTALLATION ANCHORS OF EQUIVALENT PERFORMANCE CHARACTERISTICS CAN BE USED UPON APPROVAL OF ARCHITECT OR ENGINEER OF RECORD.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3192 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

ENDURA PRODUCTS, INC.

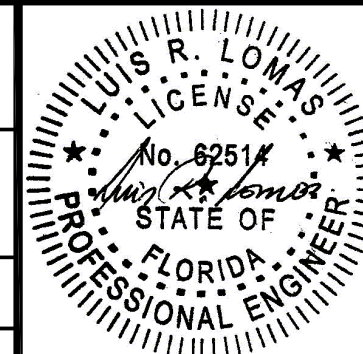
8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
ELEVATION AND ANCHOR LAYOUT

DRAWN: R.M.	DWG NO. NL-0011D	REV D
SCALE NTS	DATE 07/30/13	SHEET 8 OF 9

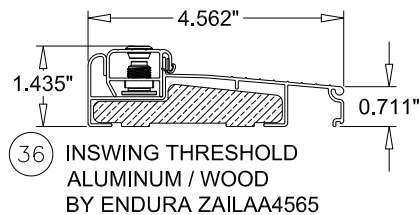
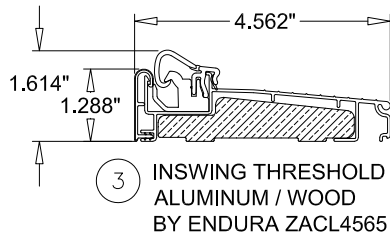
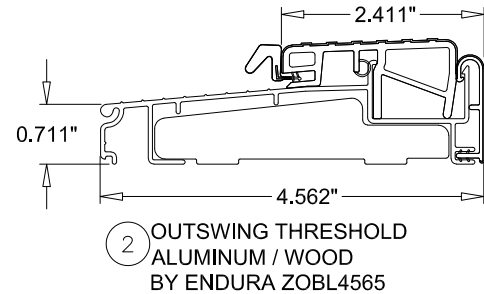
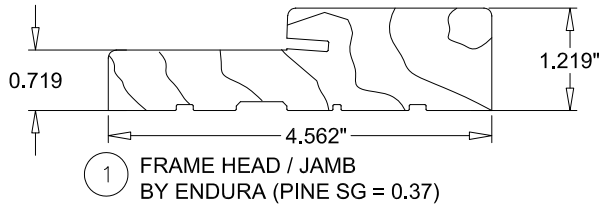
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SIGNED: 04/01/2024



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FL No.: 62514

BILL OF MATERIAL			
ITEM #	DESCRIPTION	QTY.	MATERIAL
1	HEAD / JAMB		
2	OUTSWING BUMP THRESHOLD ZOB4565		
3	INSWING ADJUSTABLE THRESHOLD ZACL4565		
4	DOOR STILE - CORE MATERIAL WOOD OR LVL		
5	DOOR TOP RAIL		
6	DOOR BOTTOM RAIL		
7	DOOR LOCK STILE - CORE MATERIAL WOOD OR LVL		
8	NOT USED		
9	DOOR SKIN (MIN. 0.140" THICK)		
10	REINFORCEMENT WOOD FOR LOCKS		
11	COMPRESSION WEATHERSTRIP-PE-650 QLON		
12	VINYL DOOR BOTTOM SWEEP-DBKAC		
13	CORNER PAD		
14	4" X 4" HINGE BUTT		
15	CONTINUOUS LATCH AND HINGE STILE REINFORCEMENT		
16	POLYURETHANE FOAM BY PLASTPRO		
17	EXTRUDED ALUMINUM ASTRAGAL BY ENDURA-6063T-6		
18	WOOD ASTRAGAL BY ENDURA		
19	LATCH STRIKE PLATE		
20	DEAD BOLT STRIKE PLATE		
21	KWIKSET KNOB (SIGNATURE SERIES)		
22	KWICKSET DEADBOLT (SIGNATURE SERIES 980 / 985)		
23	LATCH STRIKE PLATE 3500 / 3020		
24	DEADBOLT PLATE		
25	ASTRAGAL STRIKE PLATE		
26	TRILENNIUM 3500 / 3020 LOCK		
27	TRILENNIUM 3000 OR 3070 MULTIPOINT LOCK		
28	#10 X 3 / 4" PFH WOOD SCREW (HINGE TO FRAME)		
29	#10 X 2 -1 / 2" PFH WOOD SCREW		
30	#10 X 1" PFH WOOD SCREW		
31	ODL GLAZING INSERT-ALUMINUM LIGHT FRAME		
32	RSL GLAZING INSERT-PVC FRAME		
33	ECLIPSE INTERIOR LOCK TRIM		
34	INSWING THRESHOLD ZACLA4565		
35	INSWING THRESHOLD ZAIL4565		
36	INSWING THRESHOLD ZAILAA4565		



GENERAL PLASTICS NOTES:

1. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.

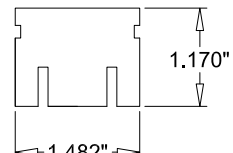
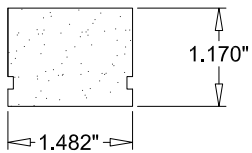
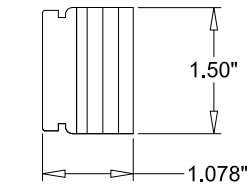
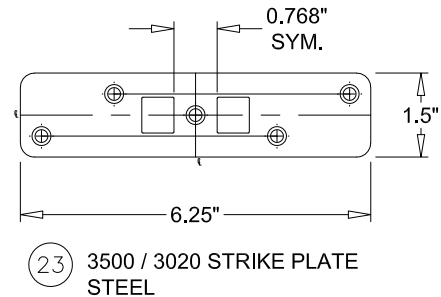
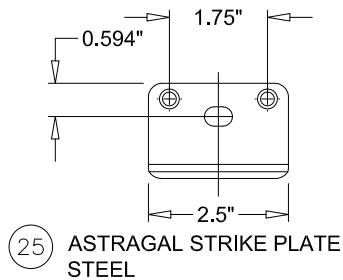
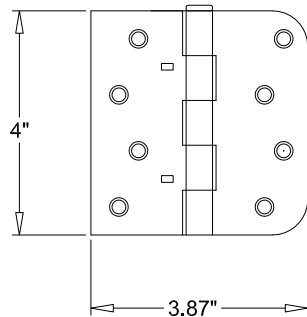
2. PLASTICS TESTING OF FIBERLASS FACING:

Test Description	Test Method	Test Result
SELF IGNITION TEMP	ASTM D1929	Passed (>650 °F)
RATE OF BURNING	ASTM D635	Passed (C-1:<1.0 in/min)
SMOKE DENSITY	ASTM D2843	Passed (<75%)
TENSILE STRENGTH*	ASTM D638	Passed (<10%)

3. PVC PLASTICS TESTING OF RSL LITE FRAME MATERIAL:

Test Description	Test Method	Test Result
SELF IGNITION TEMP	ASTM D1929	Passed (>650 °F)
RATE OF BURNING	ASTM D635	Passed (C-1:<1.0 in/min)
SMOKE DENSITY	ASTM D2843	Passed (<75%)
FLEXURAL STRENGTH*	ASTM D790	BEFORE = 3366 PSI AFTER = *3058 PSI

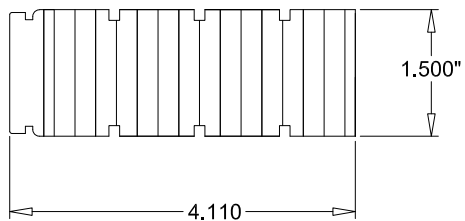
* STRENGTH TEST AFTER WEATHERING, PER SECTION 2612.2 OF THE FBC.



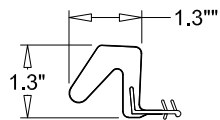
4 HINGE STILE (LVL)

5 DOOR TOP RAIL (PINE SG = 0.42)

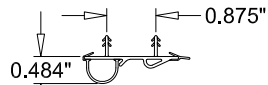
6 DOOR BOTTOM RAIL (PINE SG = 0.42)



7 LOCK STILE (LVL)



11 WEATHERSTRIPPING PE-650 FOAM



12 DOOR BOTTOM SWEEP (VINYL)

SIGNED: 04/01/2024

ENDURA PRODUCTS, INC.

8817 WEST MARKET STREET
COLFAX, NC 27235

PLASTPRO GLAZED
FIBERGLASS DOOR
BILL OF MATERIALS AND COMPONENTS

DRAWN:

R.M.

DWG NO.

NL-0011D

REV

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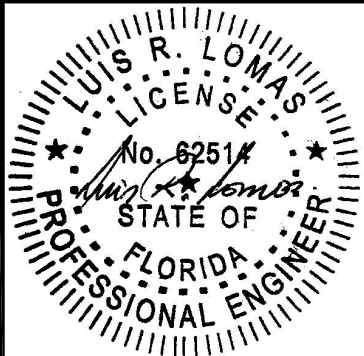
SCALE NTS

DATE

07/30/13

SHEET9 OF 9

L. ROBERTO LOMAS P.E.
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