plastpro
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

OPAQUE FIBERGLASS DOUBLE DOOR
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).

2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.

3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.2 of the FBC.

4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.

5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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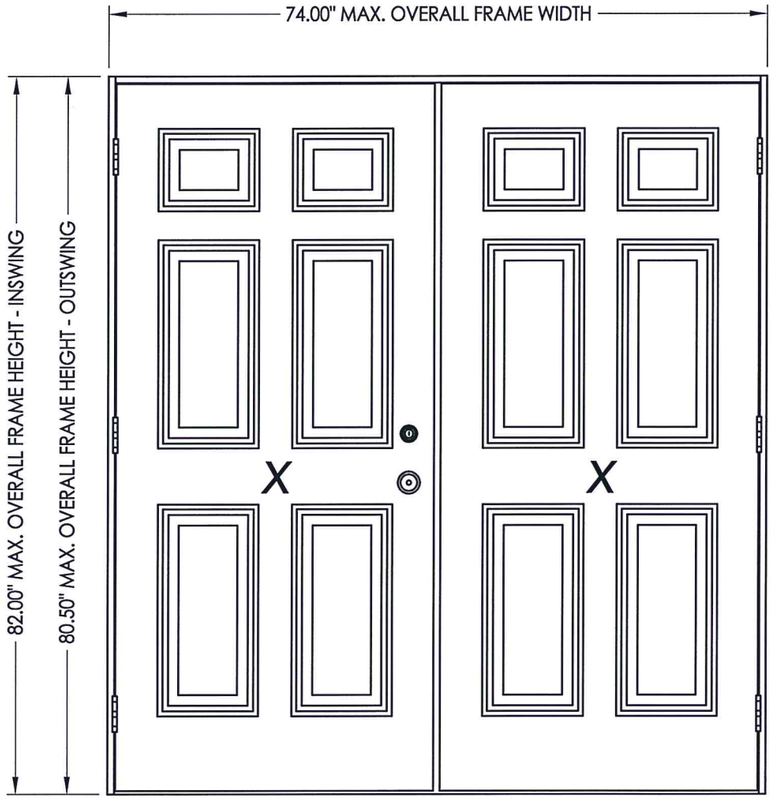
6	Frame anchoring - 1X buck masonry construction
7	Astragal details
8	Bill of materials & components



SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	74.00" x 82.00"	+50.0	-50.0
OUTSWING	74.00" x 80.50"	+50.0	-50.0

L.F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER
4.27.15

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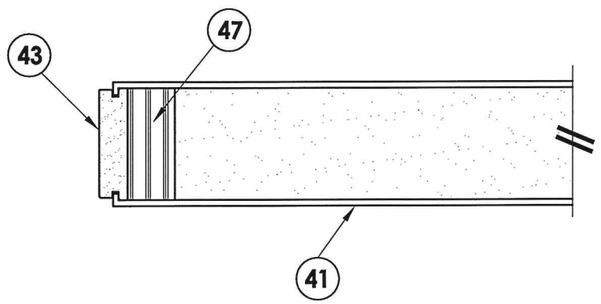
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: PLASTPRO FIBERGLASS DOOR

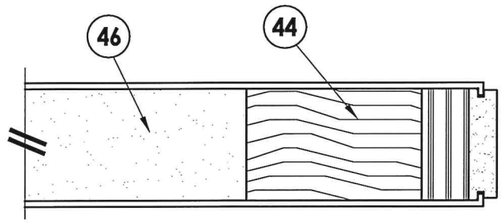
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.14
SHEET 1 OF 8

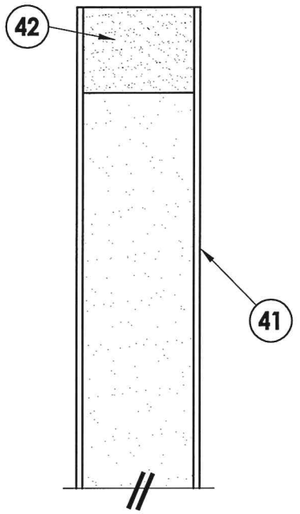


EXTERIOR

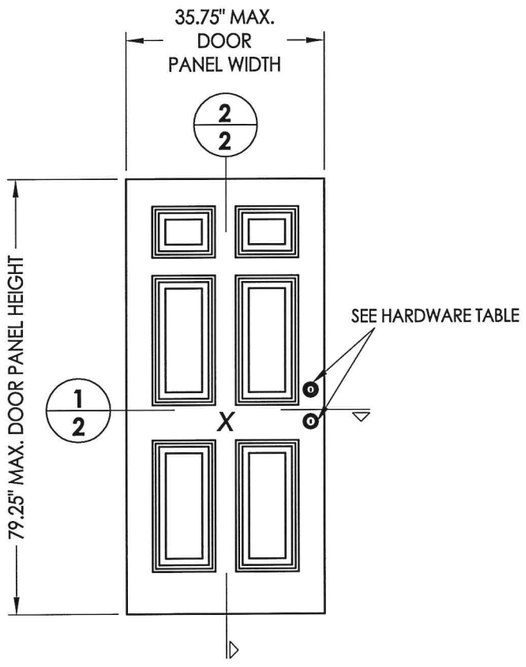


INTERIOR

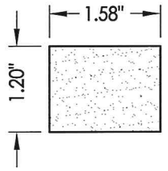
1/2 **HORIZONTAL CROSS SECTION**



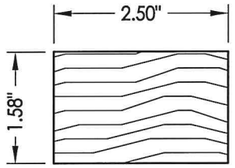
EXTERIOR INTERIOR



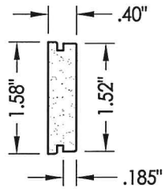
40 **DOOR PANEL**



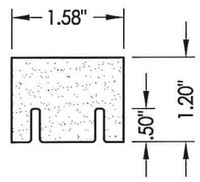
42 **TOP RAIL** Cellular PVC



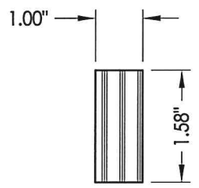
44 **REINFORCEMENT WOOD** For lock



43 **LATCH & HINGE STILE** Cellular PVC

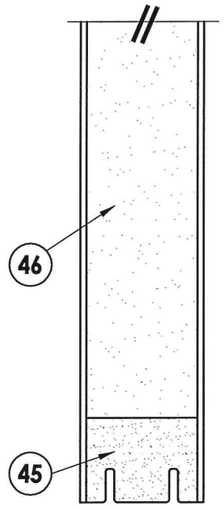


45 **BOTTOM RAIL** Cellular PVC



47 **LATCH & HINGE STILE** Reinforcement

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	LOCK: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
SCHLAGE	LOCK: "F" SERIES DEADBOLT: B60/62



2/2 **VERTICAL CROSS SECTION**

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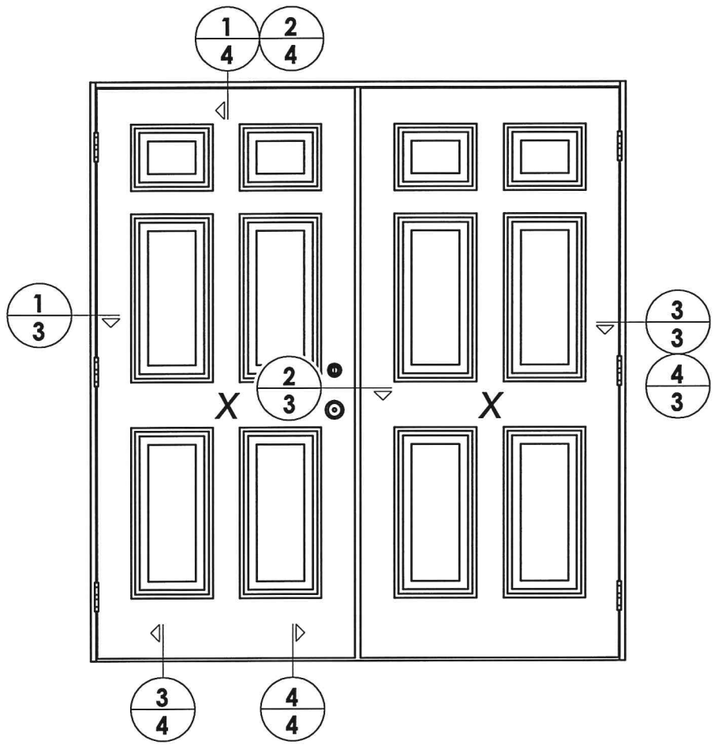
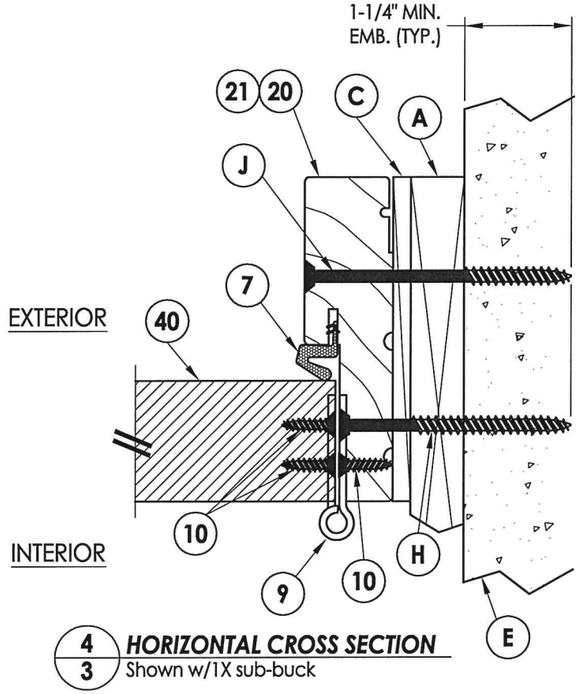
PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *DOOR PANEL DETAILS*

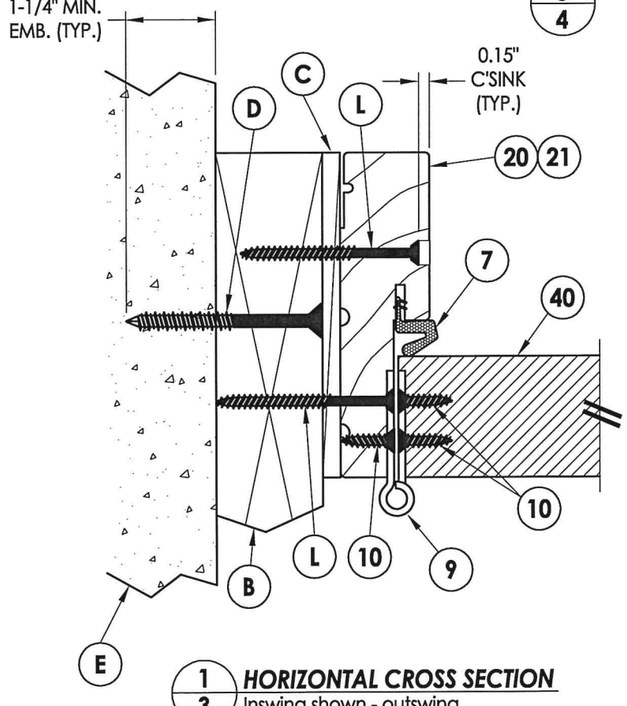
NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.14
SHEET 2 OF 8

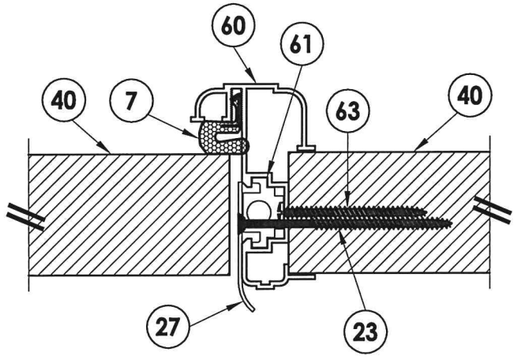




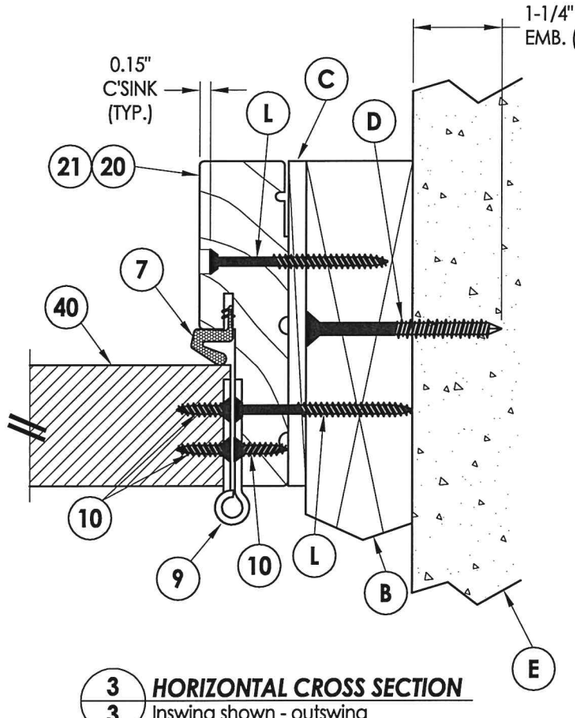
4/3 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck



1/3 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



2/3 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved



3/3 **HORIZONTAL CROSS SECTION**
Inswing shown - outswing also approved

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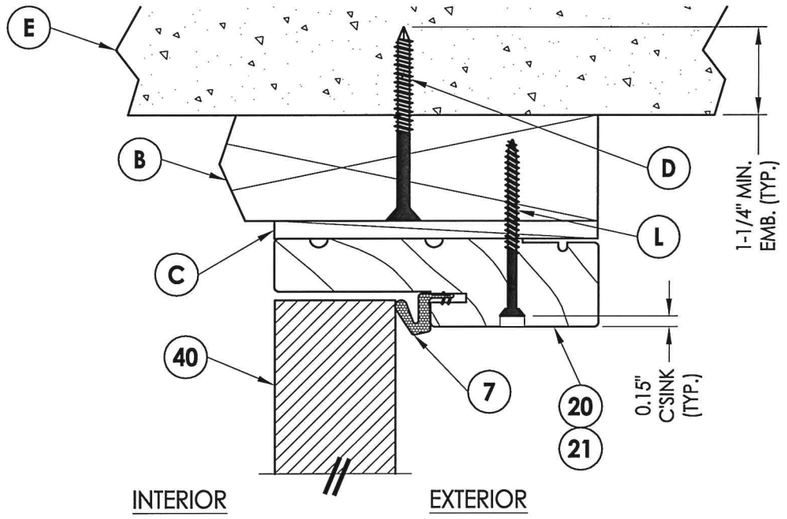
FBPE C.A. No. 9813

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

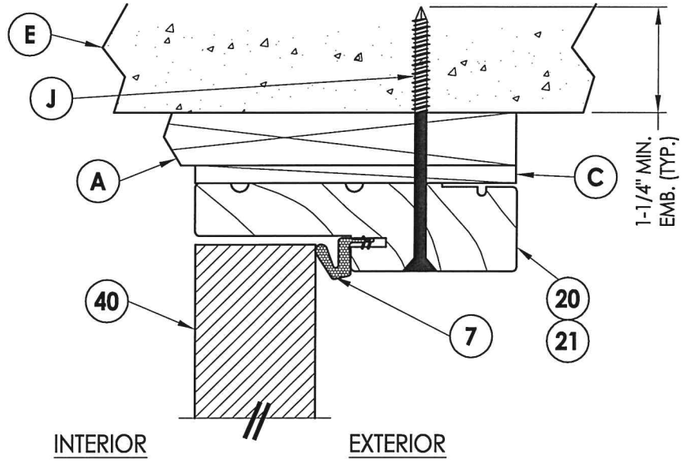
PART OR ASSEMBLY: *HORIZONTAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

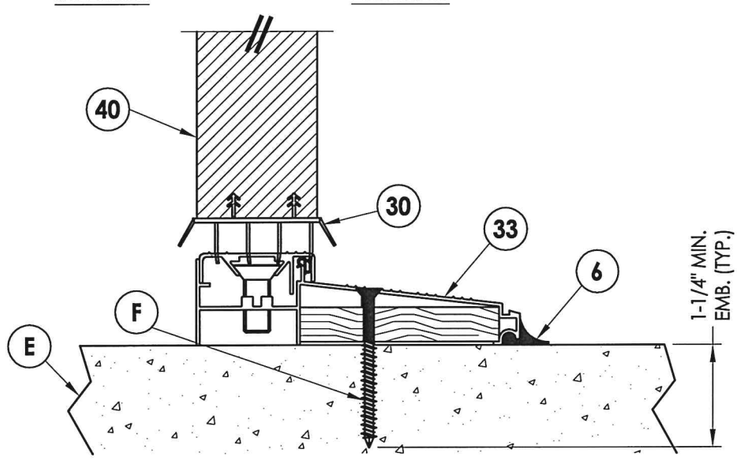
DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.14
SHEET 3 OF 8



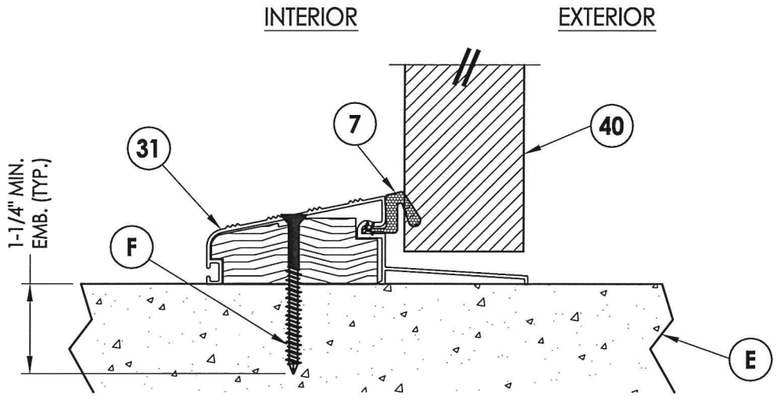
1/4 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



2/4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3/4 **VERTICAL CROSS SECTION**
Inswing configuration



4/4 **VERTICAL CROSS SECTION**
Outswing configuration

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PRODUCT: PLASTPRO FIBERGLASS DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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DWG. BY: AL
CHK. BY: LFS
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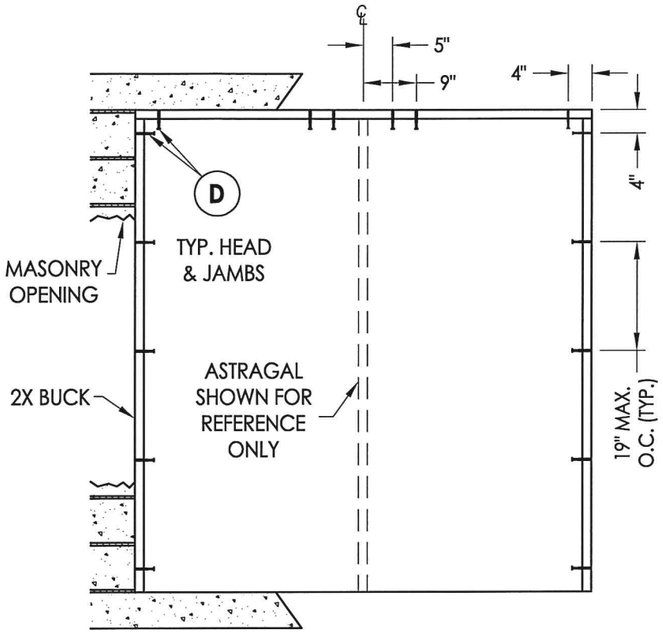
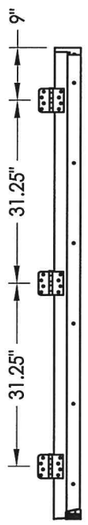
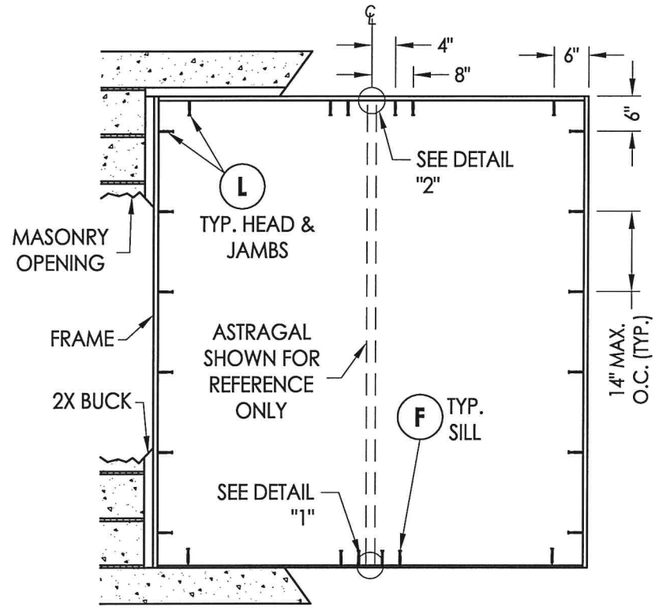
SHEET 4 OF 8



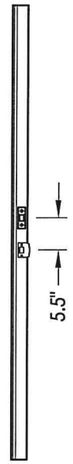
BUCK ANCHORING



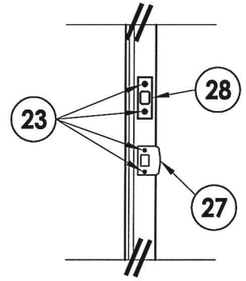
HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction



ASTRAGAL STRIKE JAMB



LATCH & DEADBOLT DETAIL

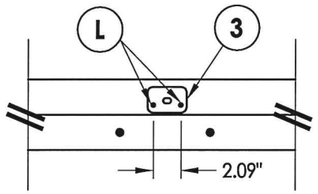
CONCRETE ANCHOR NOTES:

1. *Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.*
2. *Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.*
3. *Concrete anchor table:*

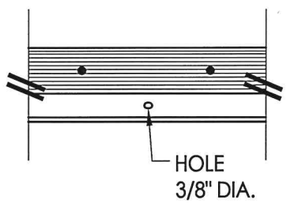
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

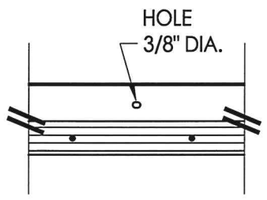
1. *Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.*



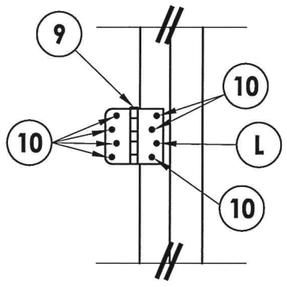
DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration



HINGE DETAIL

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4.6.15
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RW BUILDING CONSULTANTS, INC.
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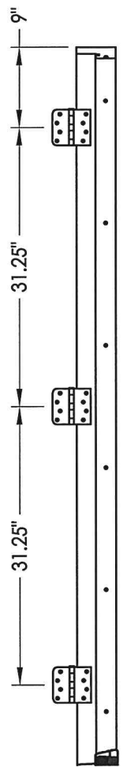
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: *PLASTPRO FIBERGLASS DOOR*

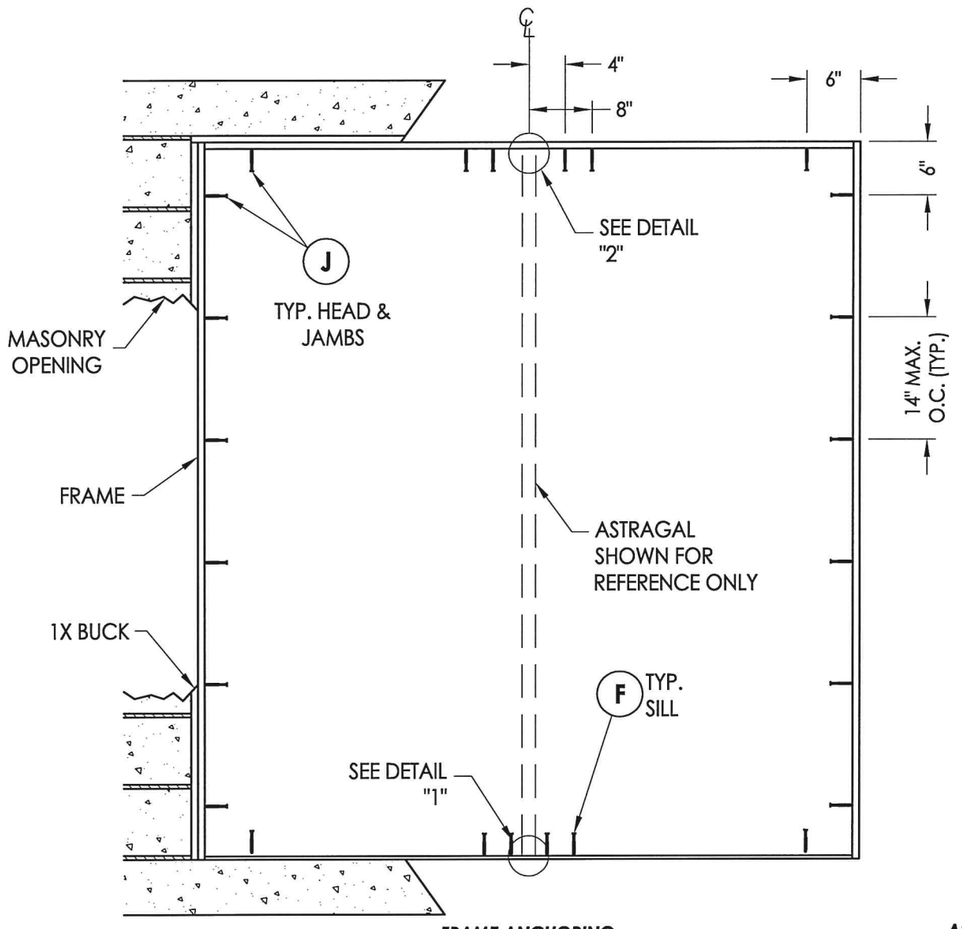
PART OR ASSEMBLY: *BUCK & FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION*

NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

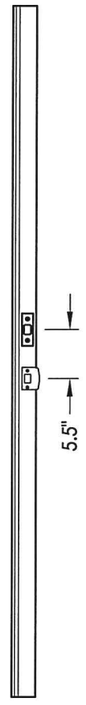
DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-17184.14
SHEET 5 OF 8



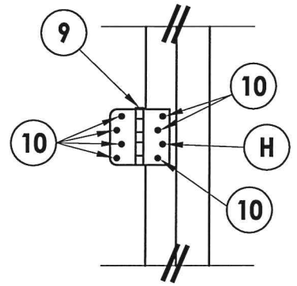
HINGE JAMB



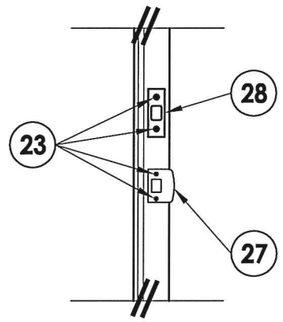
FRAME ANCHORING
Masonry 1X buck construction



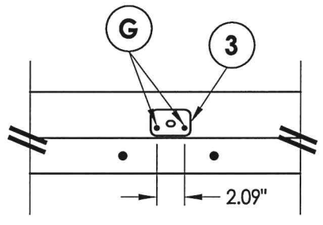
ASTRAGAL STRIKE JAMB



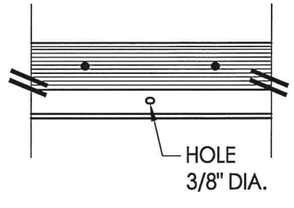
HINGE DETAIL



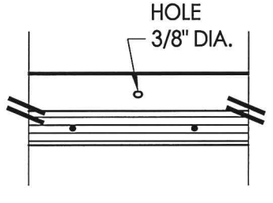
LATCH & DEADBOLT DETAIL



DETAIL 2



DETAIL 1
Inswing configuration



DETAIL 1
Outswing configuration

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WOOD SCREW INSTALLATION NOTES:

1. *Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.*

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PRODUCT: *PLASTPRO FIBERGLASS DOOR*

PART OR ASSEMBLY: *FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION*

NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
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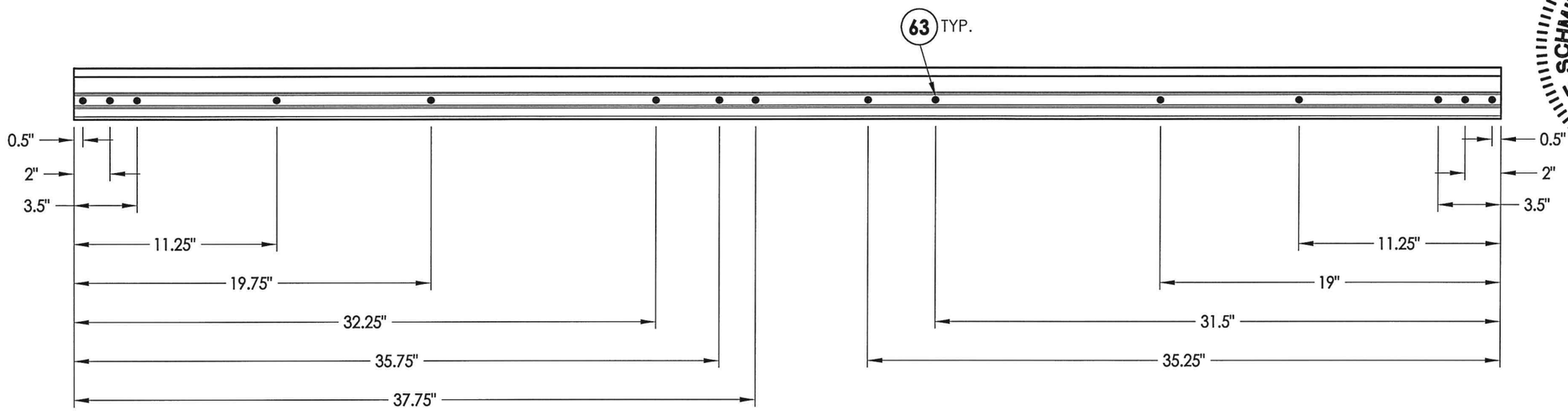
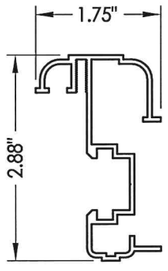
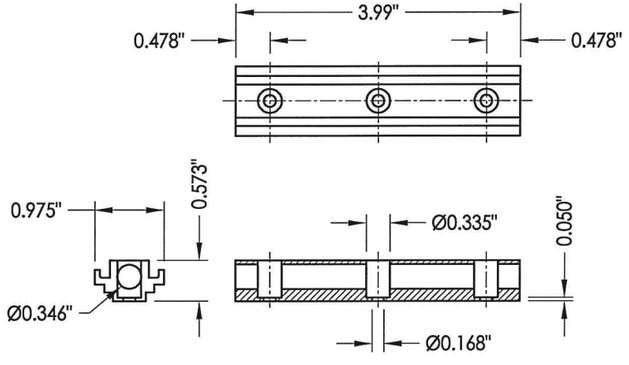
DRAWING NO.: FL-17184.14
SHEET 6 OF 8



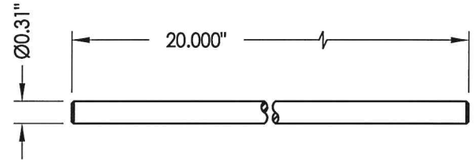
ASTRAGAL SCREW LOCATIONS



60 **ASTRAGAL**



61 **CONCEALED STIFFENER**



62 **SLIDE BOLT RODS**
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"

STATE OF FLORIDA
PROFESSIONAL ENGINEER
L. F. SCHMIDT
LICENSE
No. 43409

4.27.15

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:
PLASTPRO
FIBERGLASS DOOR

PART OR ASSEMBLY:
ASTRAGAL DETAILS

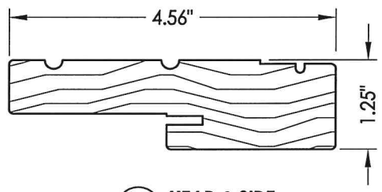
NO.	DATE	REVISIONS	BY
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 9/25/08
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.:
FL-17184.14
SHEET 7 OF 8

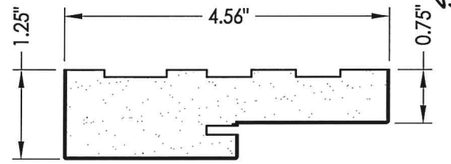
R:\Clients\Plastpro, Inc PERMANENT\Florida Product Approvals\FL-17184\C - Drawings\Current\FL-17184.11-.20.dwg, 7.4

BILL OF MATERIALS

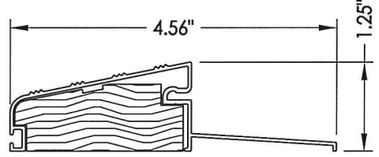
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
3	ASTRAGAL STRIKE PLATE @ HEAD	STEEL
6	SEALANT	SILICONE
7	WEATHERSTRIP	FOAM
9	4" HINGE	STEEL
10	#10 X 3/4" PFH WOOD SCREW	STEEL
20	JAMB FINGER - JOINT - PINE	WOOD
21	POLYFIBER COMPOSITE JAMB	POLYFIBER
23	#8 X 3" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
30	DOOR SWEEP	-
31	OUTSWING THRESHOLD BY DLP (QOSH)	ALUM. / WOOD
33	INSWING THRESHOLD BY DLP (ISCS)	ALUM. / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.075" THICK) PLAST-PRO/NANYA Fy = 11,063 PSI MIN.	FIBERGLASS
42	TOP RAIL	CELLULAR PVC
43	LATCH & HINGE STILE	CELLULAR PVC
44	REINFORCEMENT WOOD FOR LOCKS	WOOD
45	BOTTOM RAIL	CELLULAR PVC
46	FOAM CORE	POLYURETHANE
47	LATCH & HINGE STILE REINFORCEMENT	LVL
60	ASTRAGAL 6063-T5 ALUMINUM BY DLP	ALUMINUM
61	CONCEALED STIFFENER 6063-T6 ALUMINUM BY PLASTPRO	ALUMINUM
62	SLIDE BOLT ROD	STEEL
63	#8 X 2" PPH SCREW	STEEL



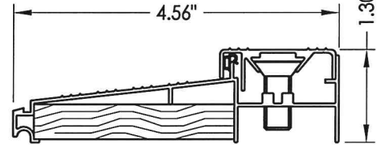
20 **HEAD & SIDE** Jamb



21 **HEAD & SIDE** Poly fiber jamb



31 **OUTSWING THRESHOLD** QOSH



33 **INSWING THRESHOLD** ISCS

L.F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

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