

6/16/2015 3:53 PM

s:\projects\ykk ap america, inc\cc-14-0738 residential fbc version 5 code change\revisions\18114\dwg\ykk123.dwg

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3/4 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION INTO METAL STUD USE #8 PAN HEAD SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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 BY THE ANCHOR MANUFACTURER.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-05
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL
8. GLAZING MEETS ASTM E1300 REQUIREMENTS, SEE SHEET 3 FOR GLAZING DETAILS.

YKK AP RESIDENTIAL

StyleView Single Hung Window

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR SCHEDULE
3	VERTICAL SECTION & GLAZING DETAIL
4	HORIZONTAL SECTION


CONFIGURATION	DESIGN PRESSURE	MAXIMUM SIZE	MISSILE IMPACT RATING
O/X	+50 / -50 PSF	47.5" x 71.5"	NON-IMPACT

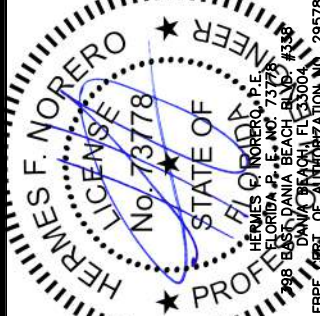
YKK

ap

Quality
inspires™

YKK AP AMERICA RESIDENTIAL
7680 The Bluffs, Suite 100
Austell, GA 30168
PH: (678) 838-6000 x6060

REVISIONS					TITLE: STYLE VIEW SINGLE HUNG
NO.	DESCRIPTION	BY	DATE	INSTALLATION & GENERAL NOTES	
				PREPARED BY:  BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004	
					DLI: (954) 399 8478 FAX: (954) 744 4738



DATE:
06.04.15

DWN BY:
BB

CHK BY:
HFN

SCALE:
NTS

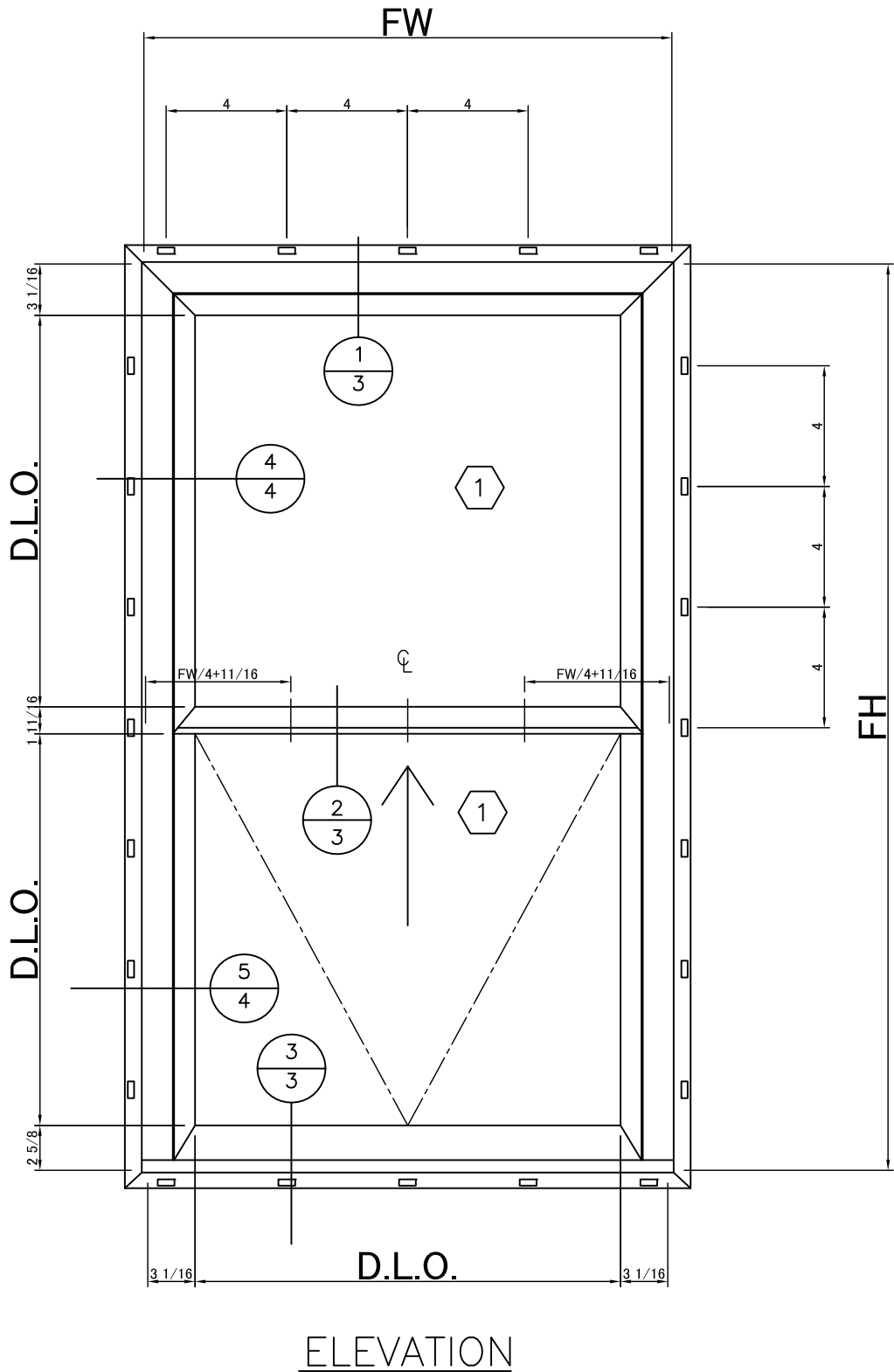
DWG #:
YKK123

SHEET:
1 OF 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2015.06.24 18:33:11 -04'00'

6/16/2015 3:53 PM

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ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	MIN. S.G. = 0.55 WOOD	#8 WOOD SCREW	1.5"	0.75"
	18 GAUGE STEEL, MIN fy = 33 ksi	#8 PAN HEAD SCREW	3 THREADS PENETRATION BEYOND METAL	0.75"

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7680 The Bluffs, Suite 100
Austell, GA 30168
PH: (678) 838-6000 x6060

TITLE:

STYLE VIEW
SINGLE HUNG
ELEVATION &
ANCHOR SCHEDULE

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS		BY	DATE
NO.	DESCRIPTION		



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06.04.15

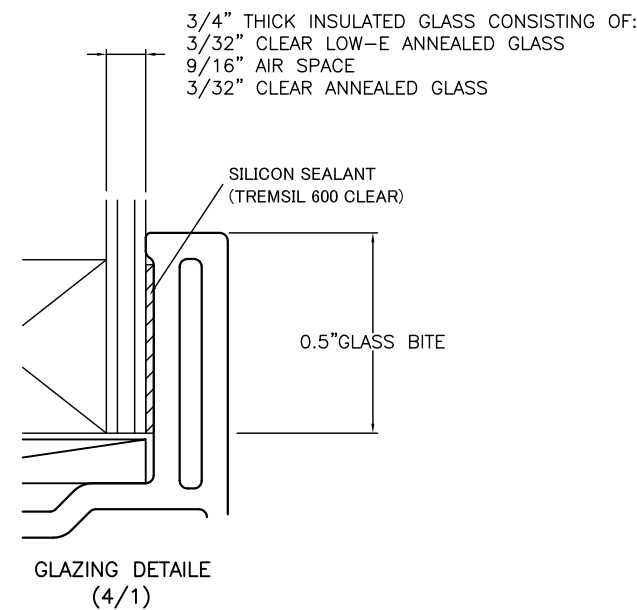
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BB


CHK BY:
HFN

SCALE:
NTS

DWG #:
YKK123

SHEET:
2 OF 4



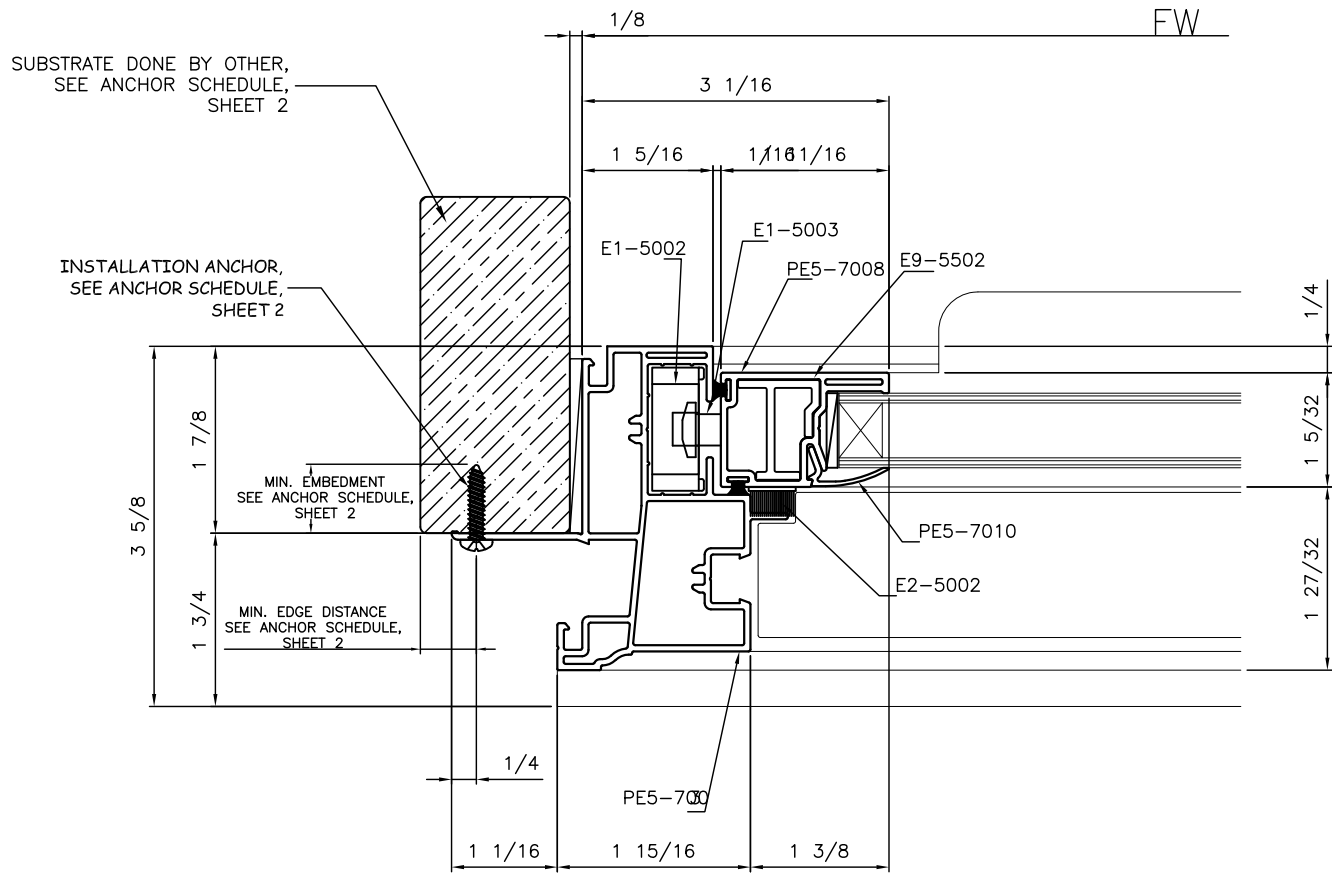
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NO.	DESCRIPTION	BY	DATE	ELEVATION, ANCHOR LAYOUT & GLAZING DETAIL	
				PREPARED BY:	
				 BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004	
				PH: (954) 399-8478 FX: (954) 744-4738	



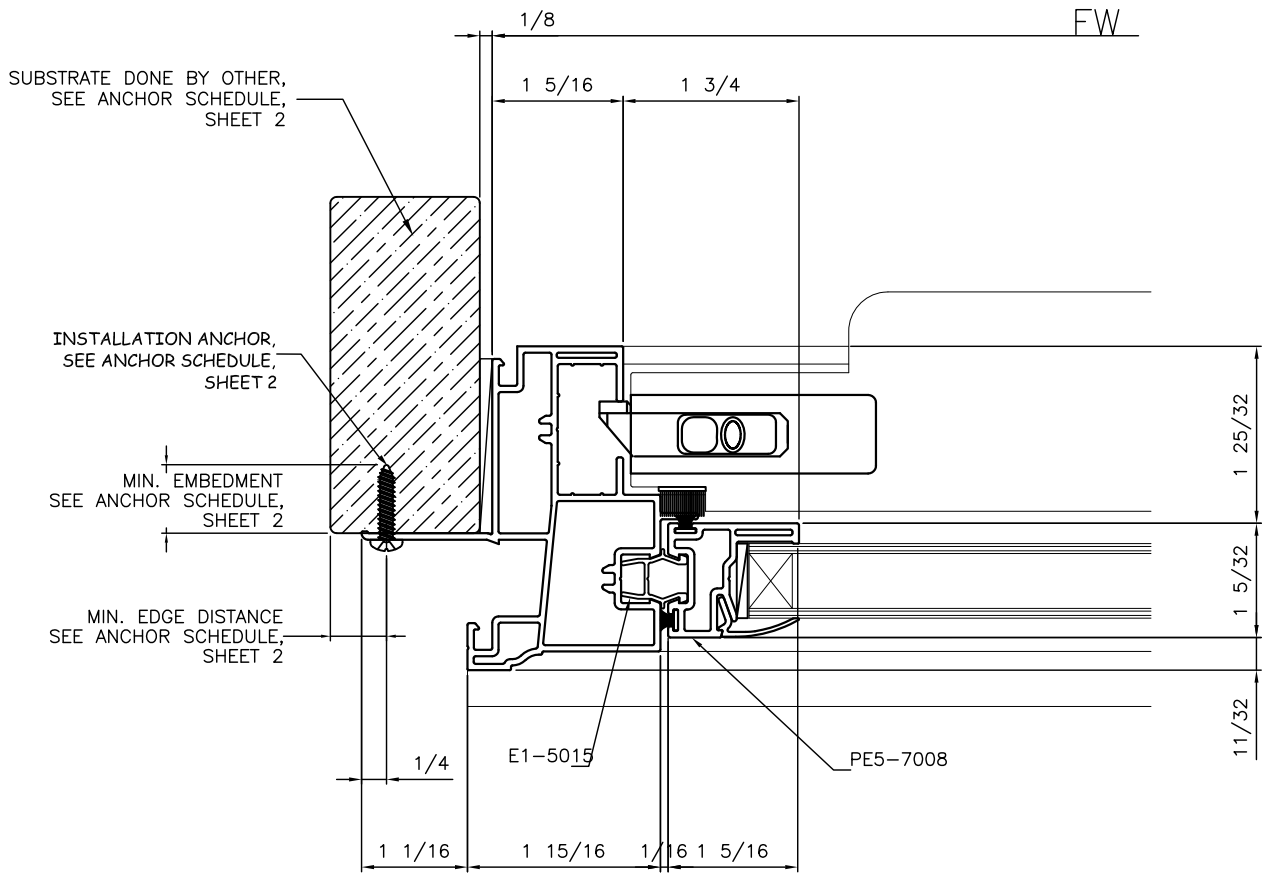
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SHEET: 3 OF 4			

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DETAIL 5



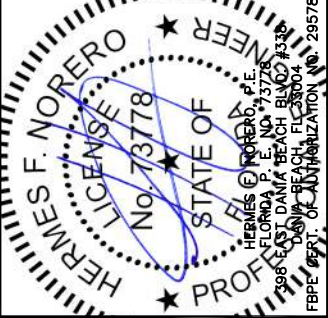
DETAIL 4



YKK AP AMERICA RESIDENTIAL
7680 The Bluffs, Suite 100
Austell, GA 30168
PH: (678) 838-6000 x6060

TITLE: STYLE VIEW
SINGLE HUNG
HORIZONTAL SECTION
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS		NO.	DESCRIPTION	BY	DATE



DATE: 06.04.15
DWN BY: BB
CHK BY: HFN
SCALE: NTS

DWG #:
YKK123
SHEET: 4 OF 4

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StyleView Picture Window

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270 Riverside Parkway, Suite A
Austell, GA 30168
PH: (678) 838-6000 x6060

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION INTO METAL STUD USE #10 TEK SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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 BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
 - 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
 - WINDOW FRAME MATERIAL: PVC
 - DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL
 - GLAZING SHALL MEET ASTM E1300 REQUIREMENTS, SEE SHEET 2 FOR GLAZING DETAILS.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION & GENERAL NOTES
2	A	ELEVATION, ANCHOR SCHEDULE & GLAZING DETAIL
3	A	VERTICAL & HORIZONTAL SECTIONS

UNIT DIMENSIONS			
CONFIGURATION	DESIGN PRESSURE	MAXIMUM SIZE	MISSILE IMPACT RATING
O	+50 / -50 PSF	79 1/2" X 79 1/2"	NON-IMPACT

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2016.05.30 13:06:20 -04'00'

TITLE: STYLEVIEW
PICTURE WINDOW

INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS

NO.	DESCRIPTION	BY	DATE
A	ADDITIONAL 80" X 80" UNIT	LS	05.18.16

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
398 E. DANIA BEACH BLVD.
DANIA BEACH, FL 33004
FBPE CERT. OF AUTH. NO. 29578

DATE:
06.09.15

DWN BY:
LS

CHK BY:
HFN

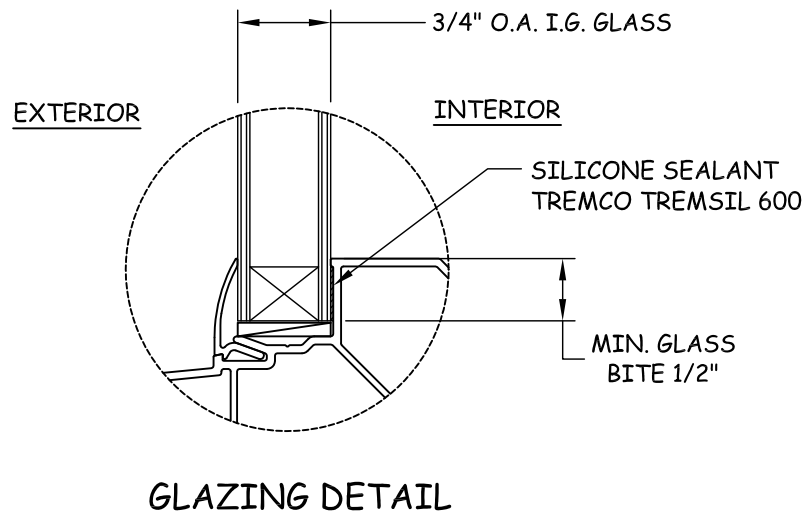
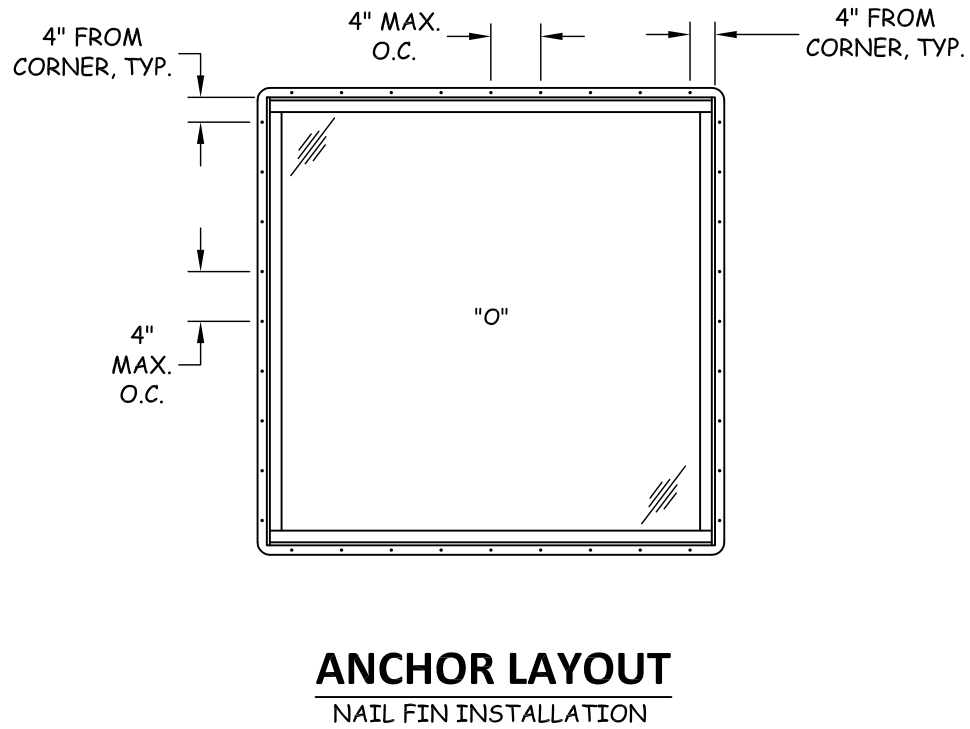
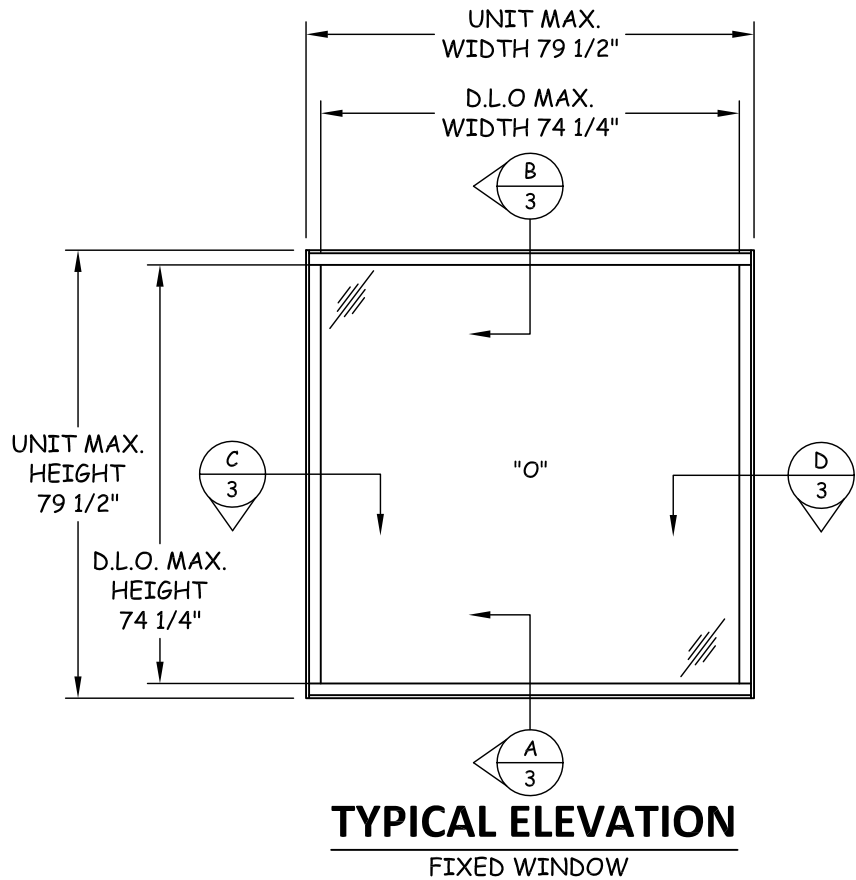
SCALE:
NTS

DWG #:
YKK131

SHEET:
1 OF 3

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GLAZING NOTES:
GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E1300 GLASS STRENGTH REQUIREMENTS.

ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	MIN. S.G. = 0.55 WOOD	#10 WOOD SCREW	1.5"	0.75"
	18 GAUGE STEEL, MIN fy = 33 ksi	#10 TEK SCREW	3 THREADS PENETRATION BEYOND METAL	0.75"

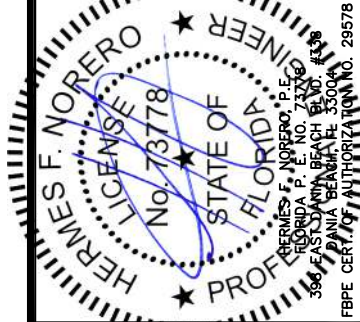


YKK AP AMERICA RESIDENTIAL
270 Riverside Parkway, Suite A
Austell, GA 30168
PH: (678) 838-6000 x6060

TITLE: STYLEVIEW
PICTURE WINDOW
ELEVATION, ANCHOR SCHEDULE,
& GLAZING DETAIL

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS		DATE
NO.	DESCRIPTION	BY
A	ADDITIONAL 80" X 80" UNIT	LS

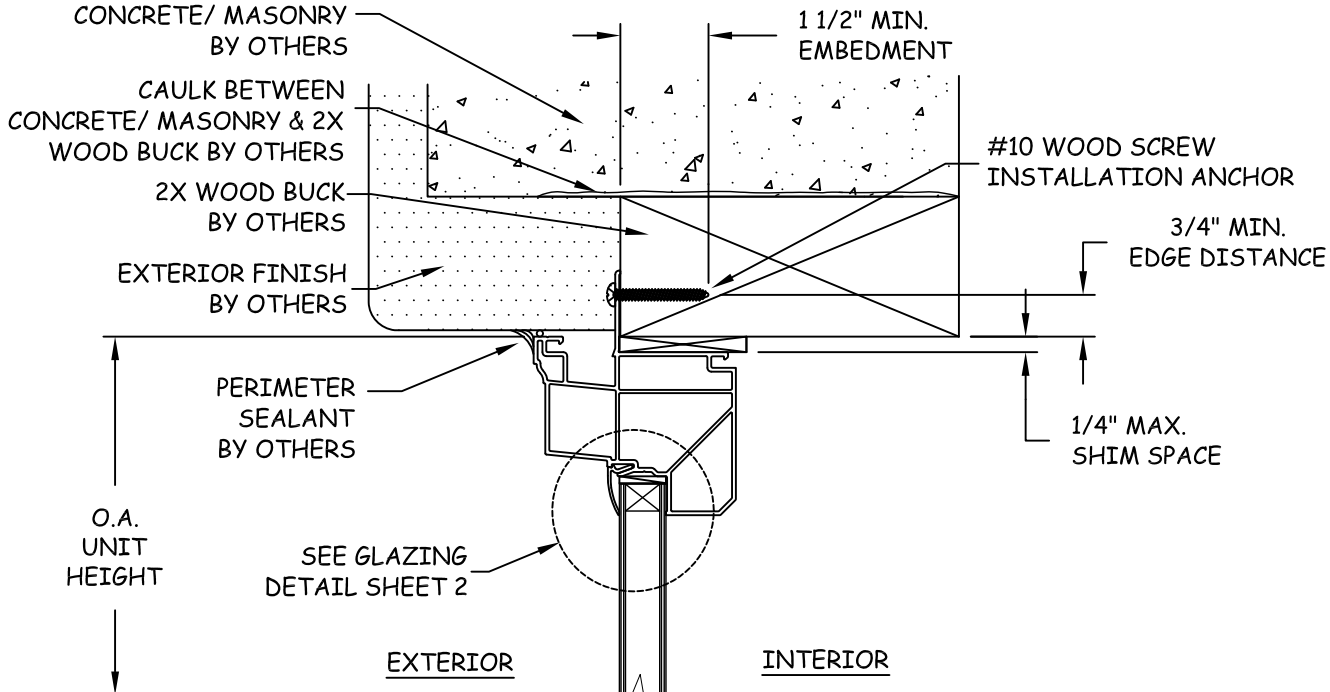


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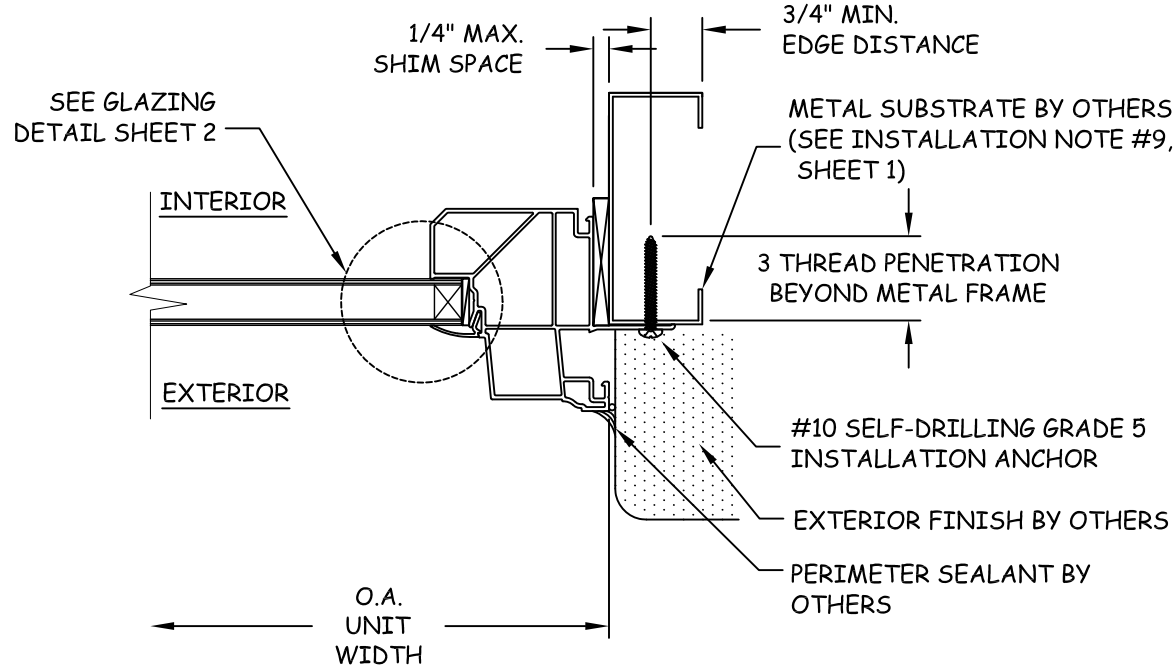
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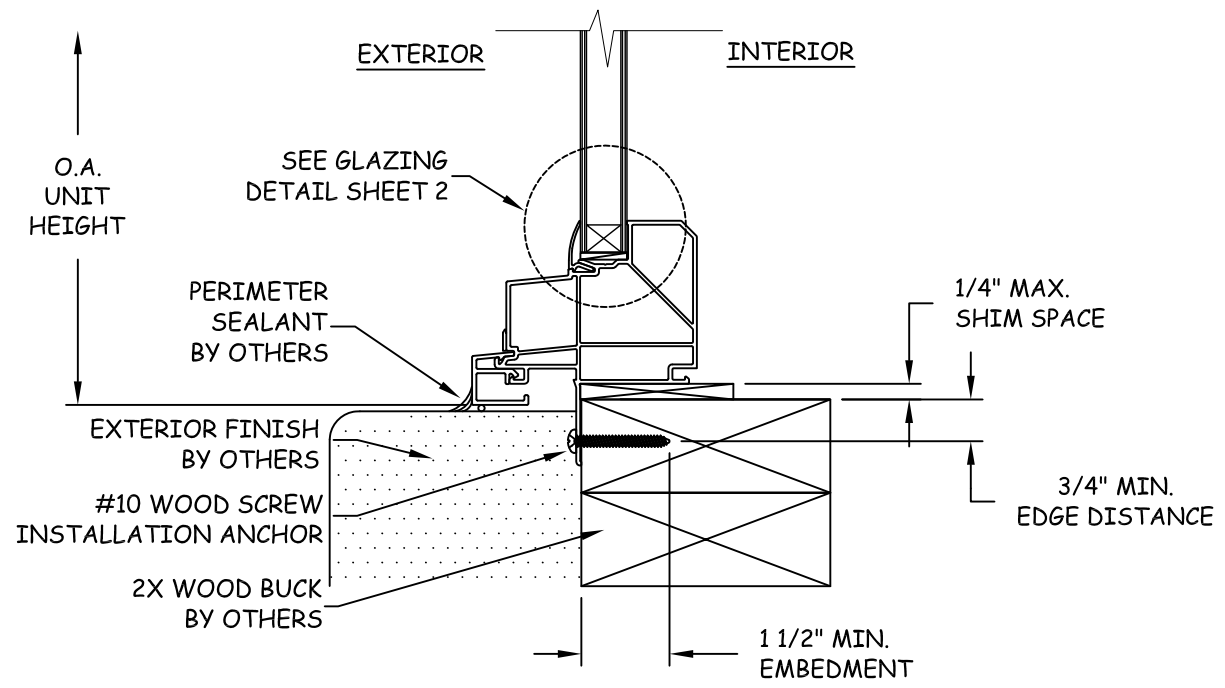
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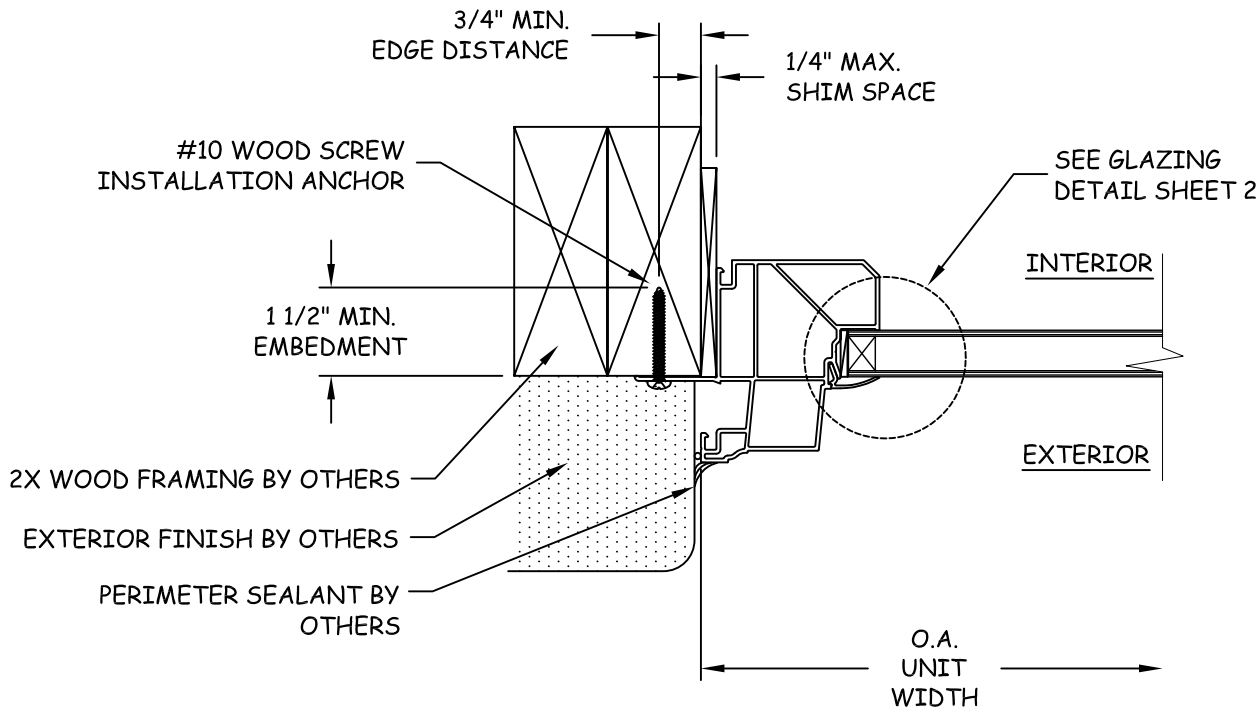
B
3
VERTICAL SECTION
HEAD - 2X WOOD BUCK
NAIL FIN



D
3
HORIZONTAL SECTION
JAMB - STEEL STUD
NAIL FIN



A
3
VERTICAL SECTION
SILL - 2X WOOD FRAMING
NAIL FIN



C
3
HORIZONTAL SECTION
JAMB - 2X WOOD FRAMING
NAIL FIN

YKK
ap

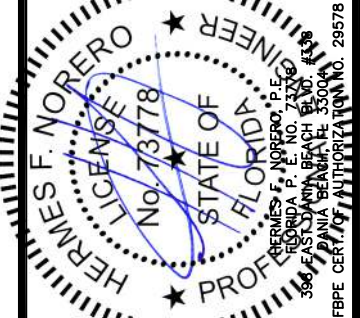
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YKK AP AMERICA RESIDENTIAL
270 Riverside Parkway, Suite A
Austell, GA 30168
PH: (678) 838-6000 x6060

TITLE: STYLEVIEW
PICTURE WINDOW
VERTICAL & HORIZONTAL
SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
PH: (954) 399-8478 FX: (954) 744-4738

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	ADDITIONAL 80" X 80" UNIT	LS	05.18.16



DATE: 06.09.15
DWN BY: LS
CHK BY: HFN
SCALE: NTS

DWG #:
YKK131

SHEET: **3 OF 3**



plastpro

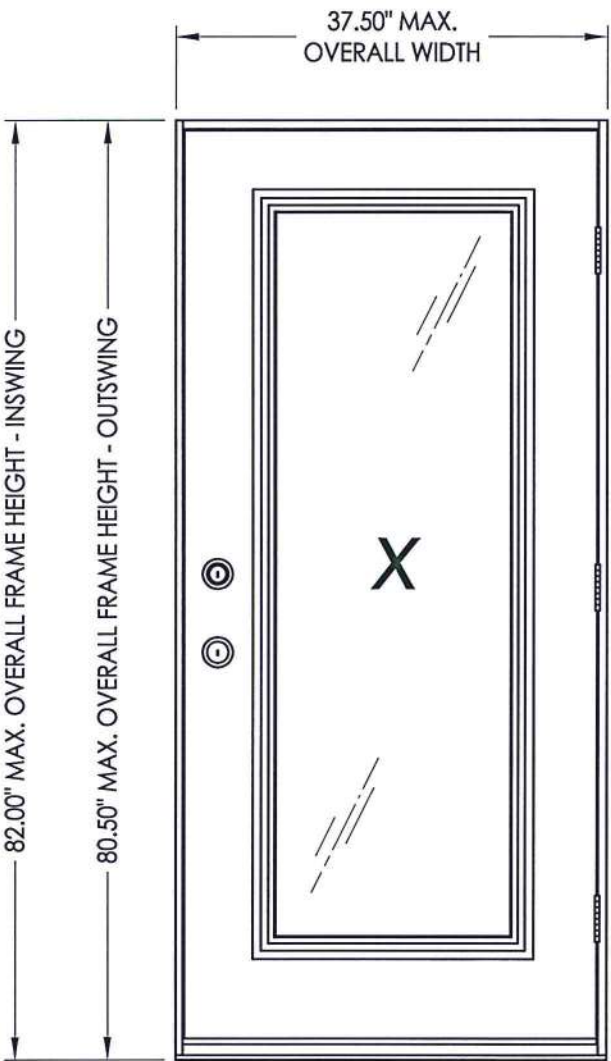
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany
Series N Fiberglass Door
INSWING / OUTSWING
"NON-IMPACT"

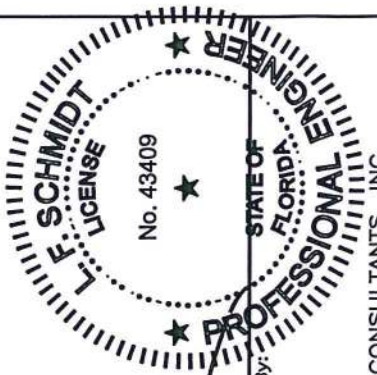
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Bill of Materials, glazing detail & components



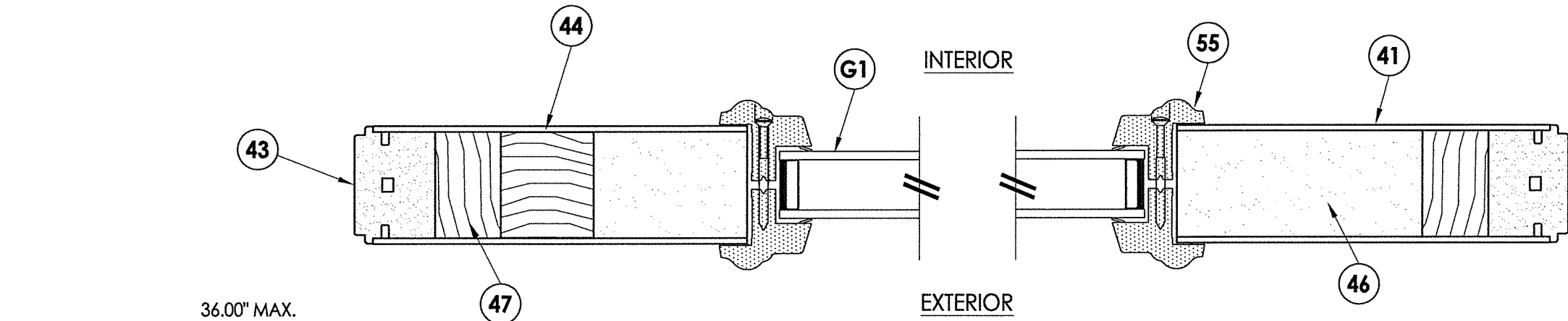
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			POSITIVE	NEGATIVE
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OUTSWING	37.50" x 80.50"		+50.0	-50.0



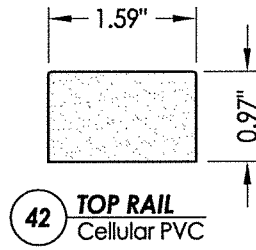
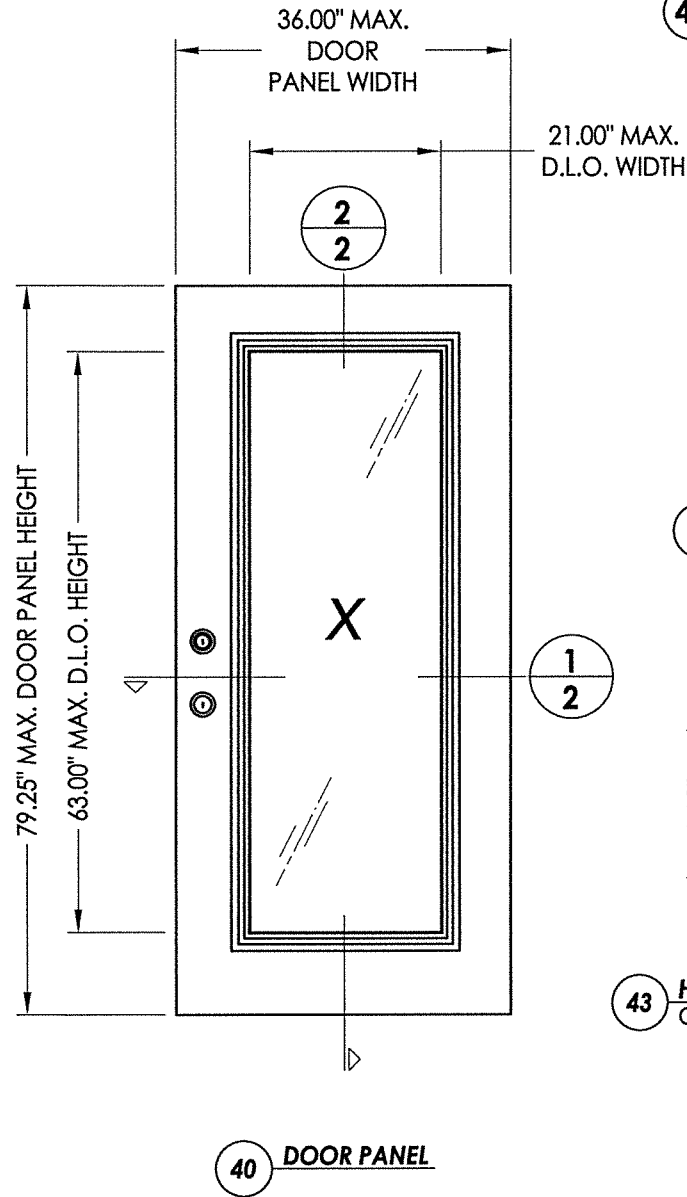
October 19, 2017
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	REVISIONS	
2	10/19/17	UPDATE TO 6TH ED. (2017) FBC	LFS
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15213.14			
SHEET 1 OF 7			

R:\Clients\Plastpro, Inc PERMANENTVA - Florida Product Approvals\FL-15213 Fiberglass Door - Inswing-Outswing\C - Drawings\FL 15213 (2017)\FL-15213.12-18.dwg, 2.14



1
2 HORIZONTAL CROSS SECTION

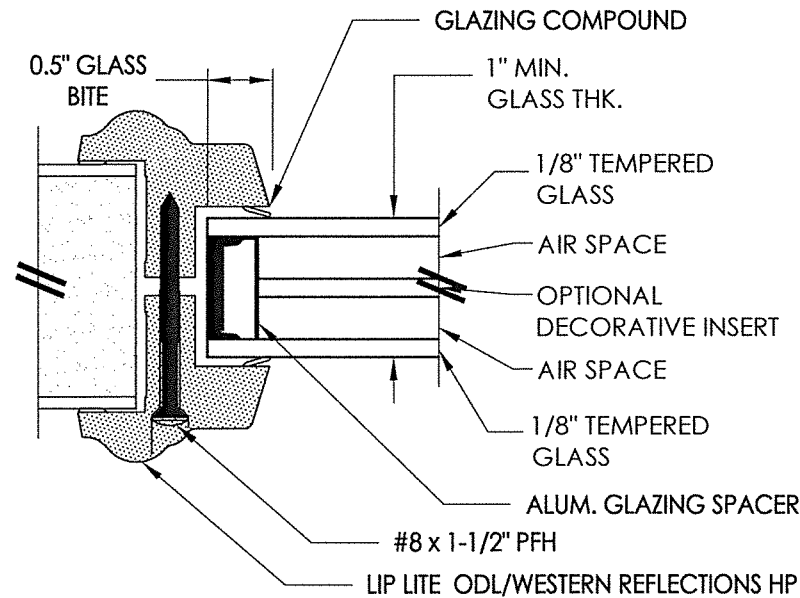


47 LATCH & HINGE STILE
Wood reinforcement

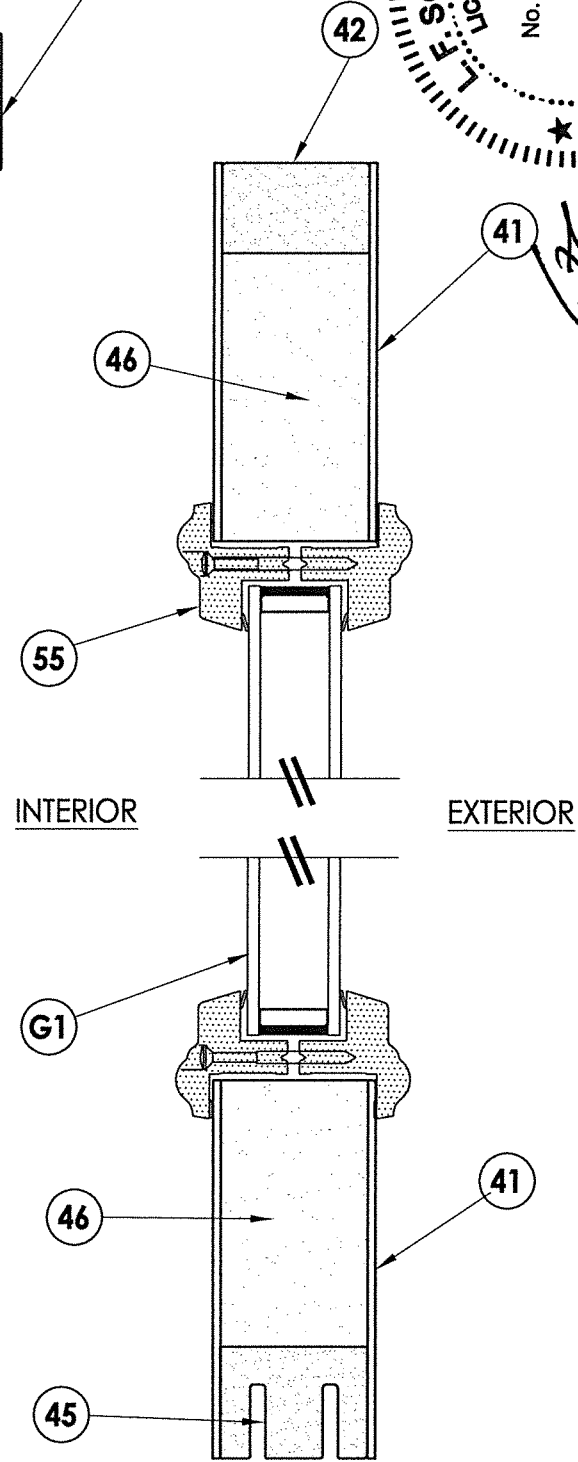
44 REINFORCEMENT WOOD
For lock

45 BOTTOM RAIL
Cellular PVC

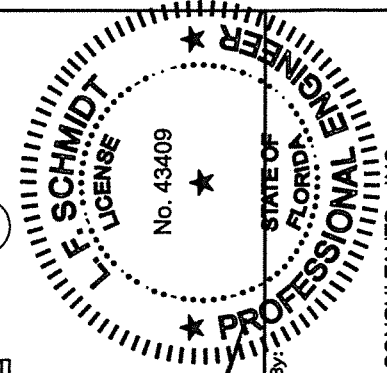
43 HINGE & LATCH STILE
Cellular PVC



G1 GLAZING DETAIL



2
2 VERTICAL CROSS SECTION

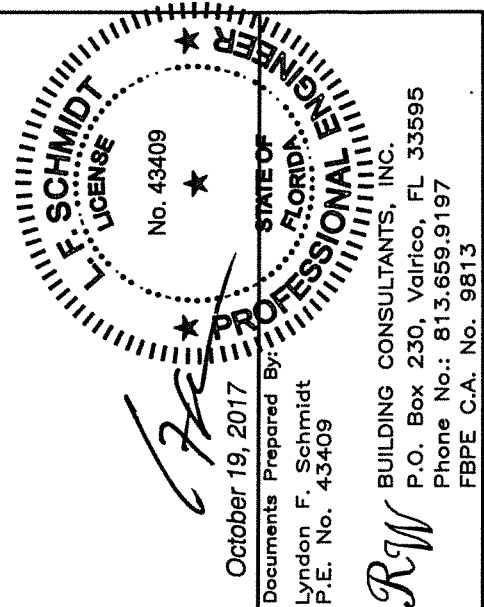
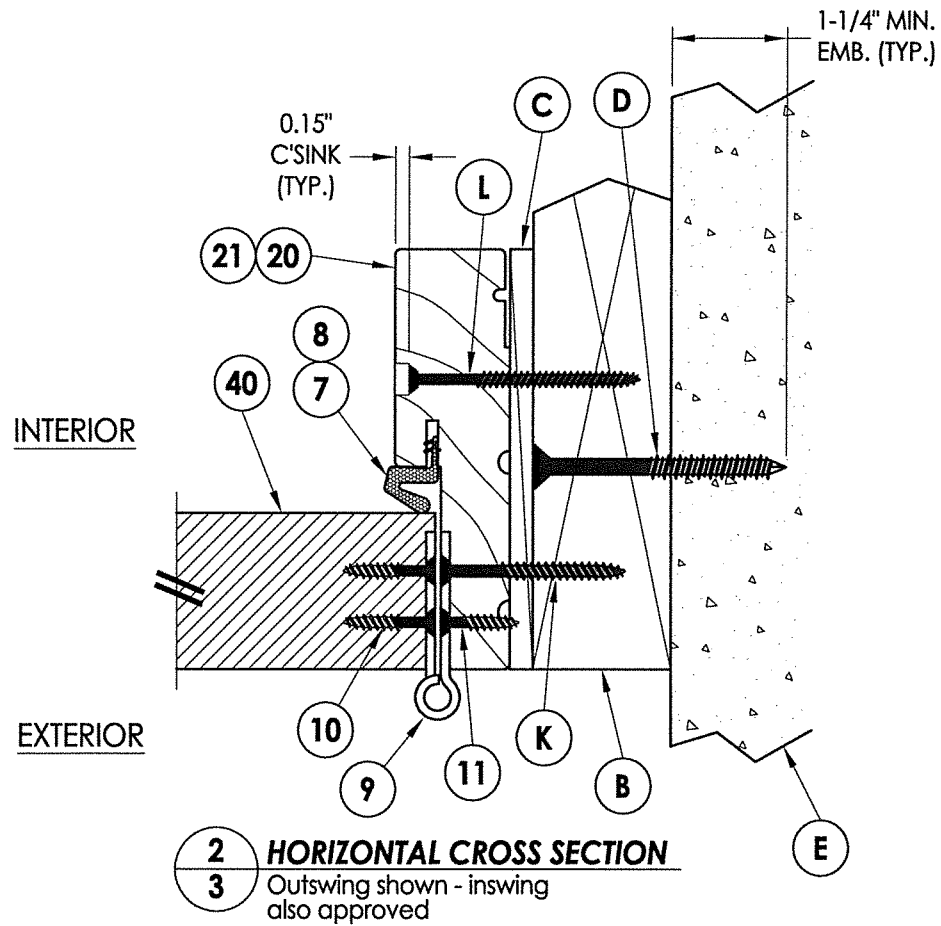
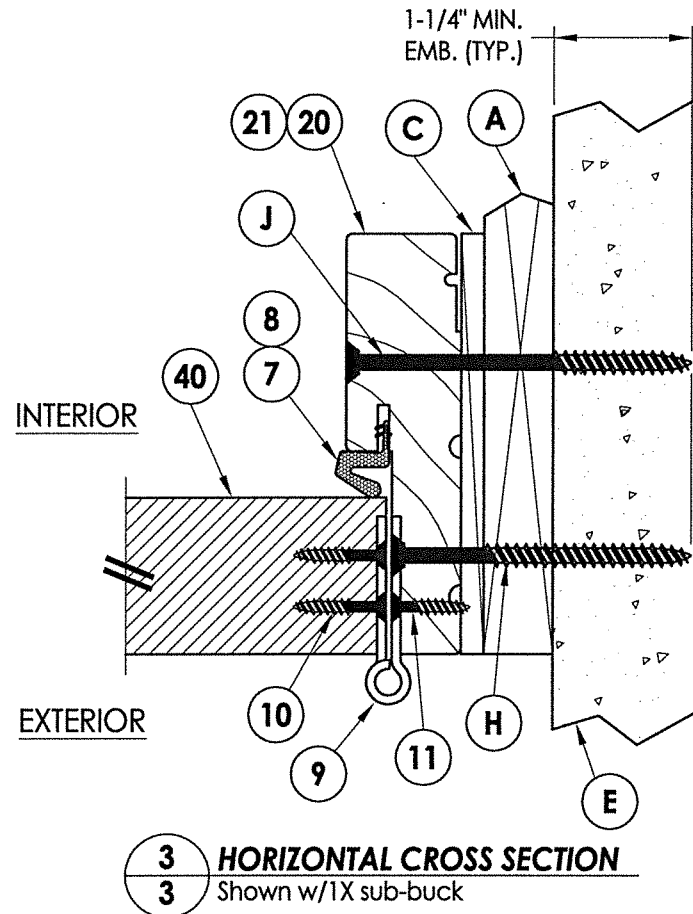
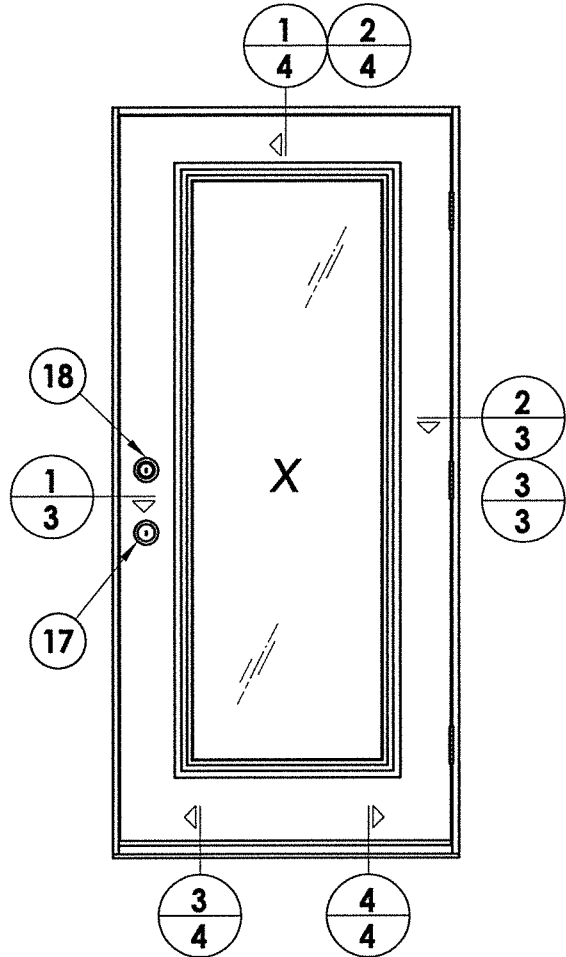
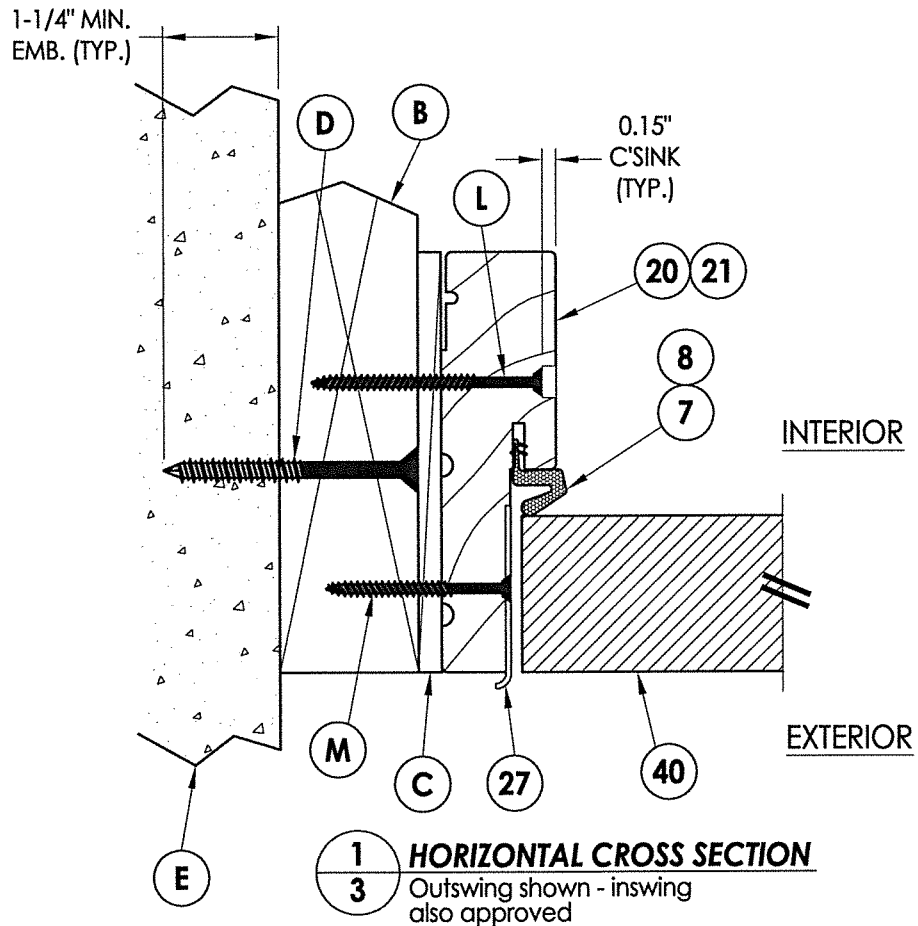


October 19, 2017

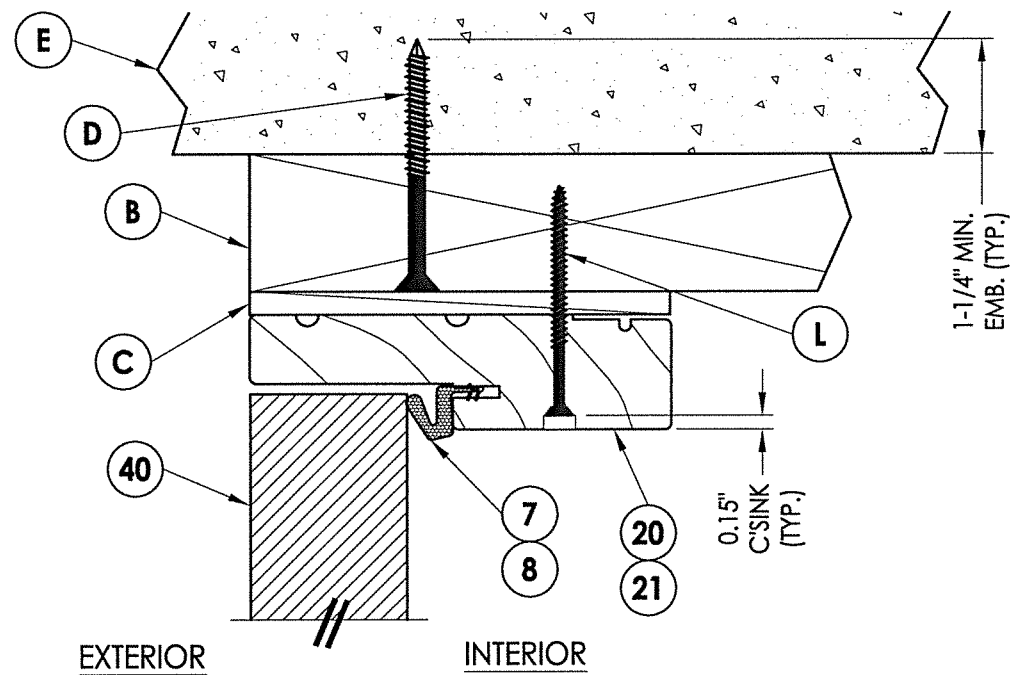
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

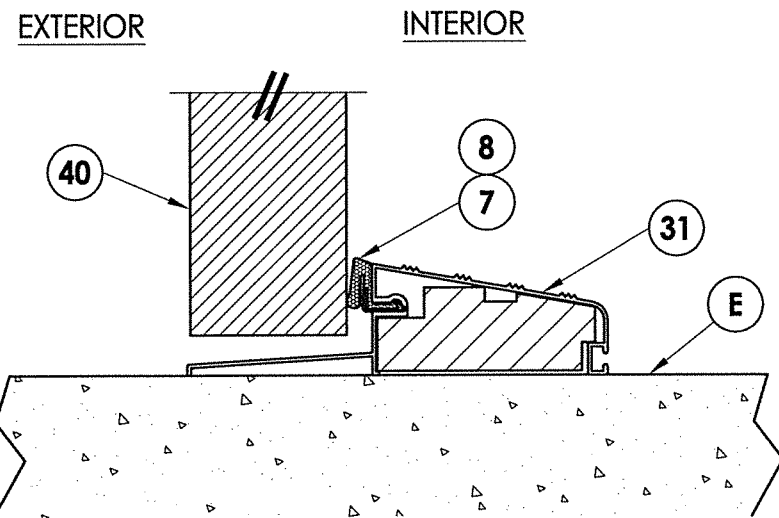
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PLASTPRO INC. FIBERGLASS DOOR		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
2	10/19/17	LFS	UPDATE TO 6TH ED. (2017) FBC
1	04/22/15	JK	UPDATE TO 5TH ED. (2014) FBC
DATE:	02/16/12		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	FL-15213.14		
SHEET	2	OF	7



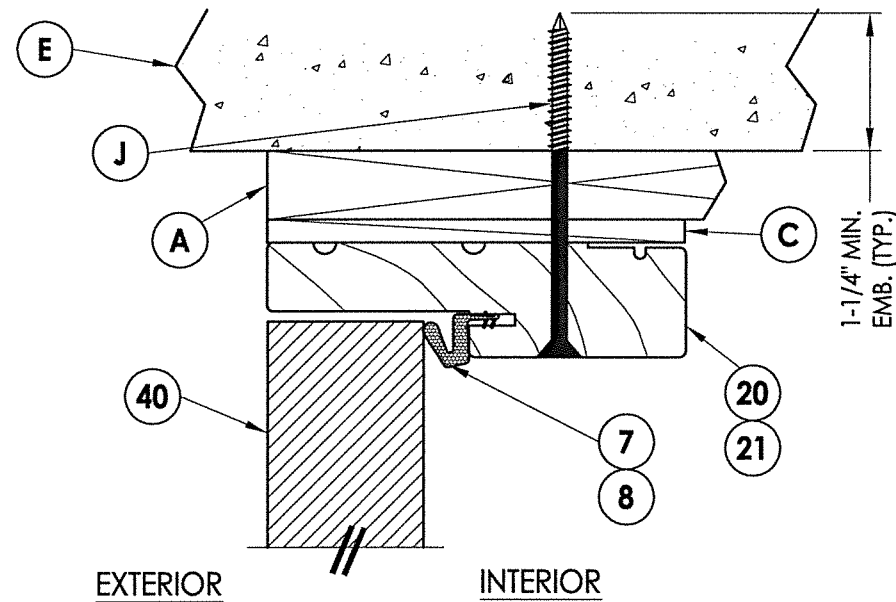
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
REVISIONS		NO.	DATE
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1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
DATE:	02/16/12	SCALE:	N.T.S.
DWG. BY:	JK	CHK. BY:	LFS
DRAWING NO.:	FL-15213.14	SHEET 3 OF 7	



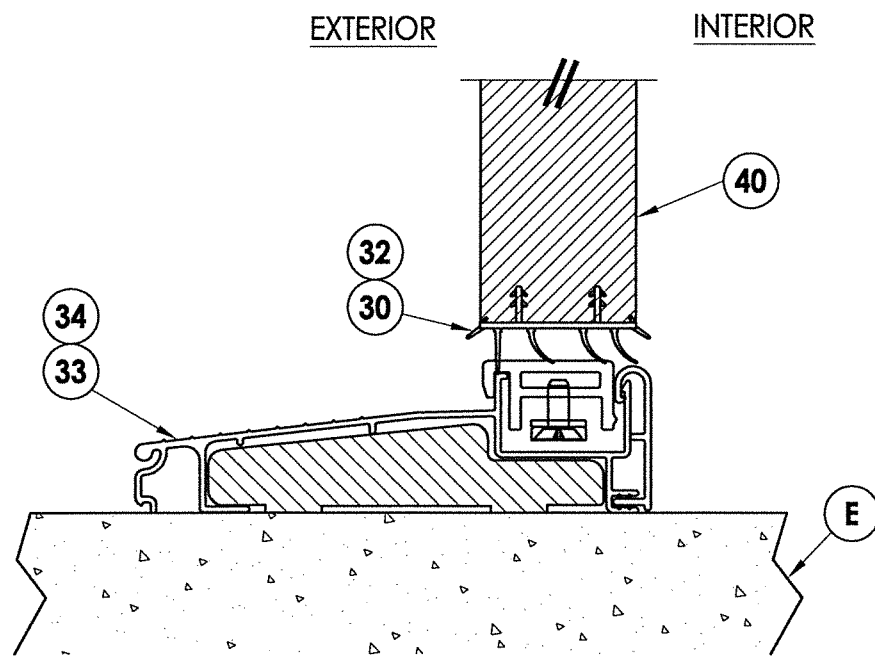
1 VERTICAL CROSS SECTION
4 Outswing shown - inswing also approved



3 VERTICAL CROSS SECTION
4 Outswing configuration



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



4 VERTICAL CROSS SECTION
4 Inswing configuration

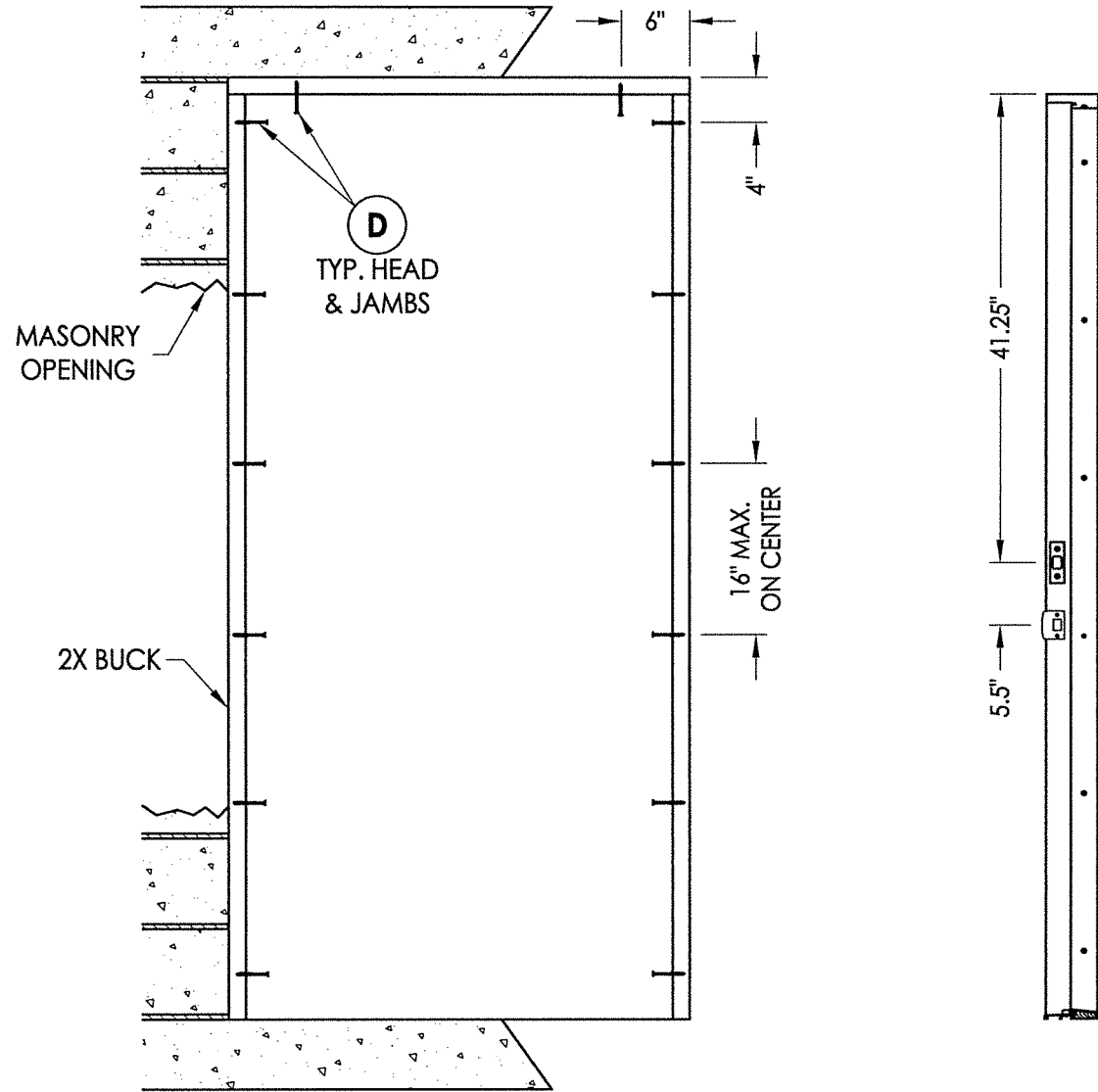
October 19, 2017
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 43409

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

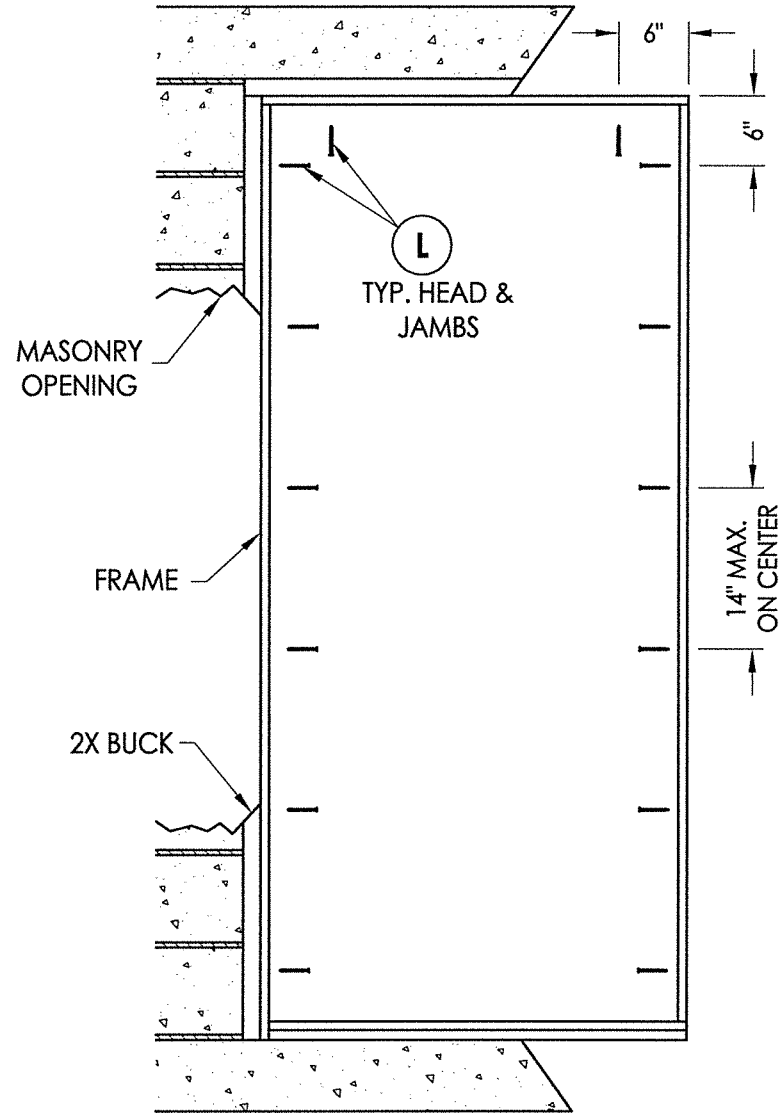
PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
LFS	JK	BY	DATE
2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
REVISIONS			
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15213.14			
SHEET 4 OF 7			

R:\Clients\Plastpro, Inc PERMANENTVA - Florida Product Approvals\FL-15213 Fiberglass Door - Inswing-Outswing\C - Drawings\FL-15213 (2017)\FL-15213-12-18.dwg, 5/14

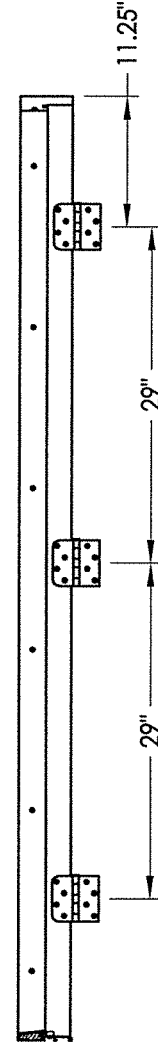


BUCK ANCHORING

STRIKE JAMB



FRAME ANCHORING
Masonry 2X buck construction



HINGE JAMB

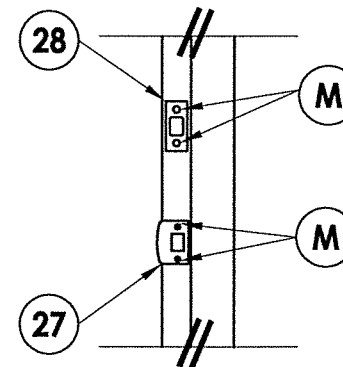
CONCRETE ANCHOR NOTES:

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:

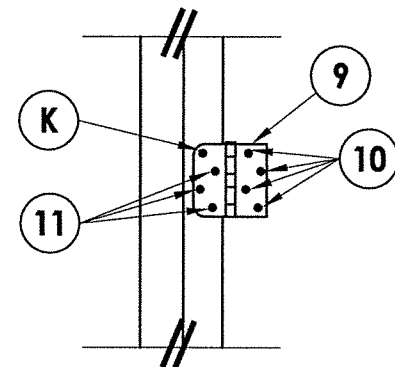
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

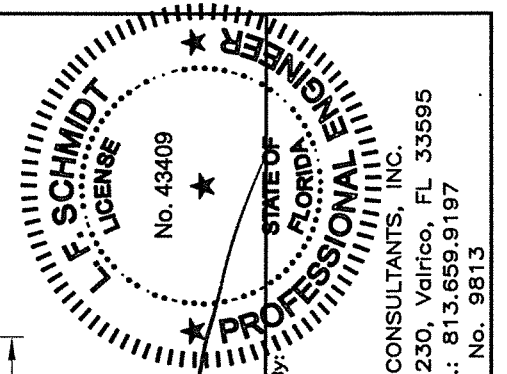
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



LATCH & DEADBOLT DETAIL



HINGE DETAIL



October 19, 2017
Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK AND FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION	
REVISIONS			
2	10/19/17	UPDATE TO 6TH ED. (2017)	FBC
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	BY	
DATE: 02/16/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15213.14			
SHEET 5 OF 7			

Technical drawing of a door assembly showing a cross-section of the door, frame, and masonry opening. The door is labeled "TYP. HEAD & JAMBS" and "J". The frame is labeled "FRAME". The masonry opening is labeled "MASONRY OPENING". The door is shown with a "1X BUCK" (1x4) on the left side. Dimensions include a 6 inch gap between the door and the frame, and a 14 inch maximum gap between the frame and the masonry opening.

HINGE DETAIL

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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

0

Lyndon F. Schmidt

October 19, 2017

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

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

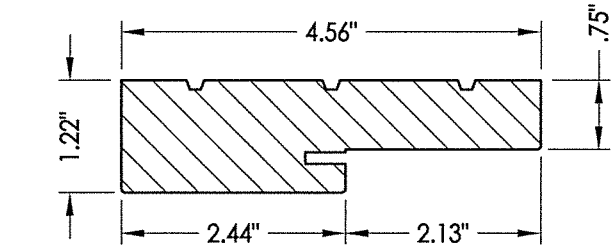
R^qW

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

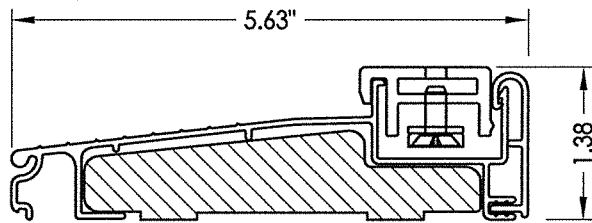
DATE: 02/16/12		PRODUCT:	
SCALE: N.T.S.		PLASTPRO INC. FIBERGLASS DOOR	
DWG. BY: JK		PART OR ASSEMBLY:	
CHK. BY: LFS		FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION	
DRAWING NO.: FL-15213.14			
SHEET 6 OF 7			

R:\Clients\Plastpro, Inc PERMANENT\A - Florida Product Approvals\FL-15213 Fiberglass Door - Inswing-Outswing\C - Drawings\FL 15213 (2017)\FL-15213.12-18.dwg, 7.14

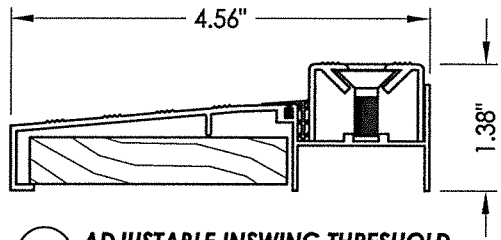
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#10 X 2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 2" PFH WOOD SCREW	STEEL
7	FORCE 5 WEATHER STRIPPING BY ENDURA	FOAM
8	COMPRESSION WEATHER STRIP QLON 650 BY SCHLEGEL	FOAM
9	4" X 4" BUTT HINGE	STEEL
10	#9 X 1" PFH WOOD SCREW	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
17	KWIKSET KEYED ENTRY - SIGNATURE SERIES	STEEL
18	KWIKSET DEADBOLT - SIGNATURE SERIES (780)	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
21	POLYFIBER JAMB	COMP. / VINYL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	INSWING VINYL DOOR BOTTOM SWEEP BY ENDURA	VINYL
31	OUTSWING BUMP THRESHOLD	ALUM./ WOOD
32	VINYL DOOR BOTTOM SWEEP #3628 BY HOLM IND.	PVC
33	INSWING ADJUSTABLE THRESHOLD BY ENDURA	ALUM. / WOOD
34	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
41	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
42	TOP RAIL	CELLULAR/PVC
43	LATCH & HINGE STILE	CELLULAR/PVC
44	REINFORCEMENT WOOD FOR LOCKS (20" LONG)	WOOD
45	BOTTOM RAIL	CELLULAR/PVC
46	POLYURETHANE FOAM BY NAN YA	POLYURETHANE
47	CONTINUOUS LATCH & HINGE STILE REINFORCEMENT	WOOD
49	GLAZING COMPOUND	SILICONE
55	LIP LITE ODL/WESTERN REFLECTIONS HP	POLYPROPYLENE
56	GLAZING SPACER	ALUM.
57	#8 x 1-1/2" PFH LITE FRAME SCREW	STEEL



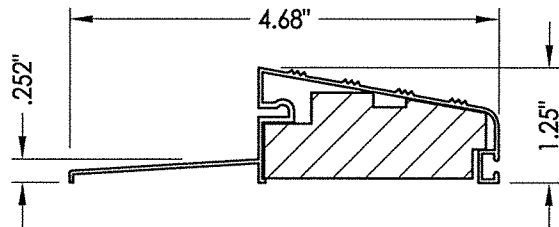
20 HEAD & SIDE
Jamb



33 ADJUSTABLE INSWING THRESHOLD



34 ADJUSTABLE INSWING THRESHOLD



31 OUTSWING BUMP THRESHOLD

October 19, 2017 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
PRODUCT:	PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS, GLAZING DETAIL & COMPONENTS
DATE:	02/16/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15213.14
SHEET	7 OF 7



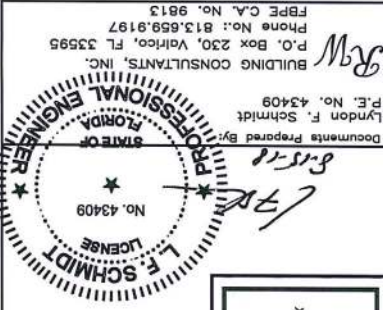
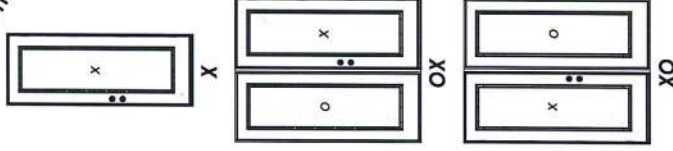
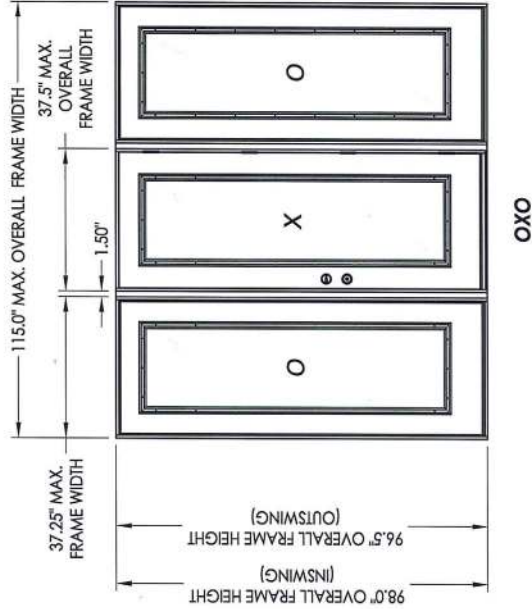
5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

GLAZED FIBERGLASS SINGLE DOOR w/ or w/out SIDELITES INSWING/ OUTSWING "NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details and glazing detail
3	Sidelite panel details and glazing detail
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Vertical cross sections
8	Buck anchoring
9	Frame anchoring
10	Hardware details
11	Bill of materials and components

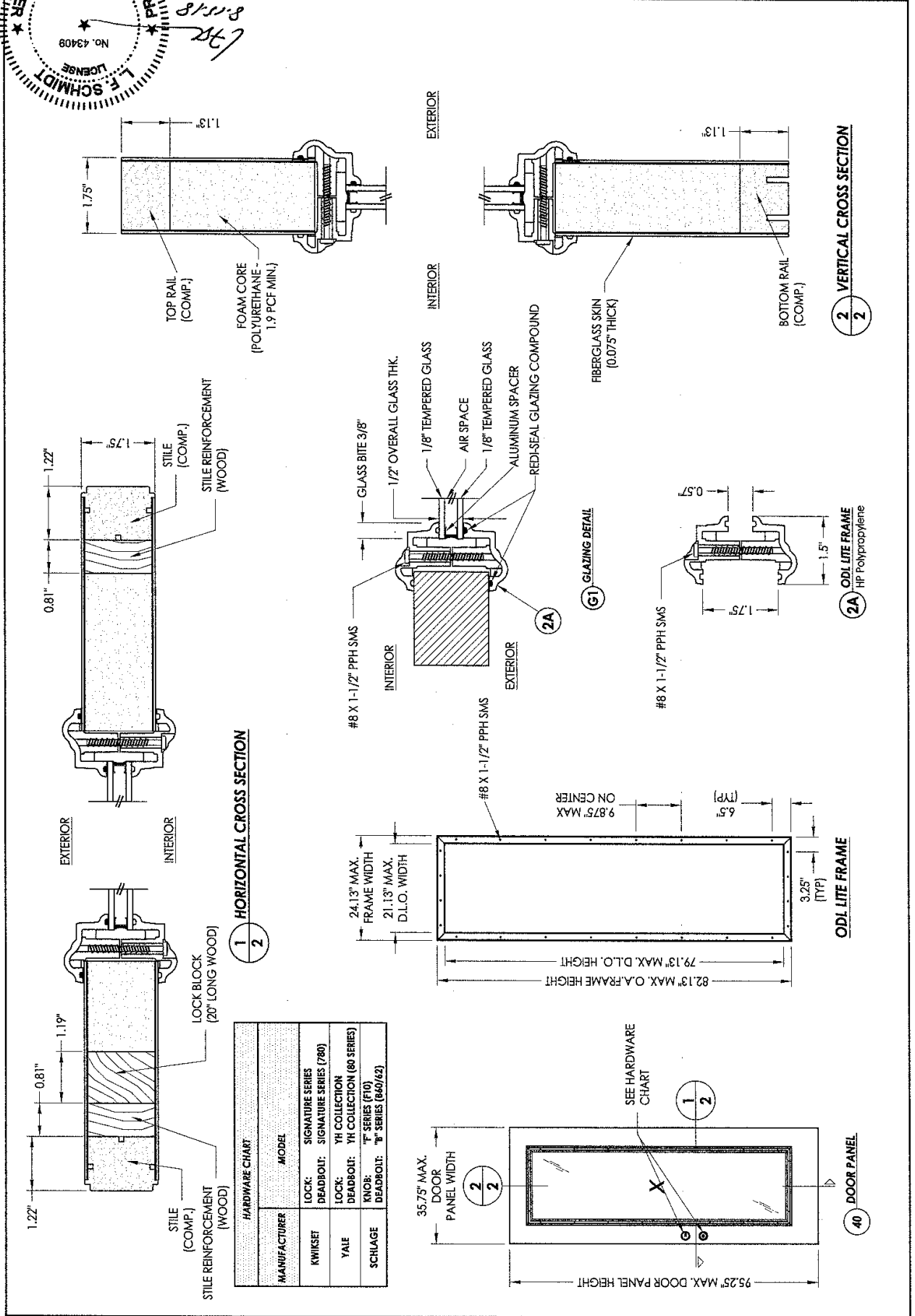


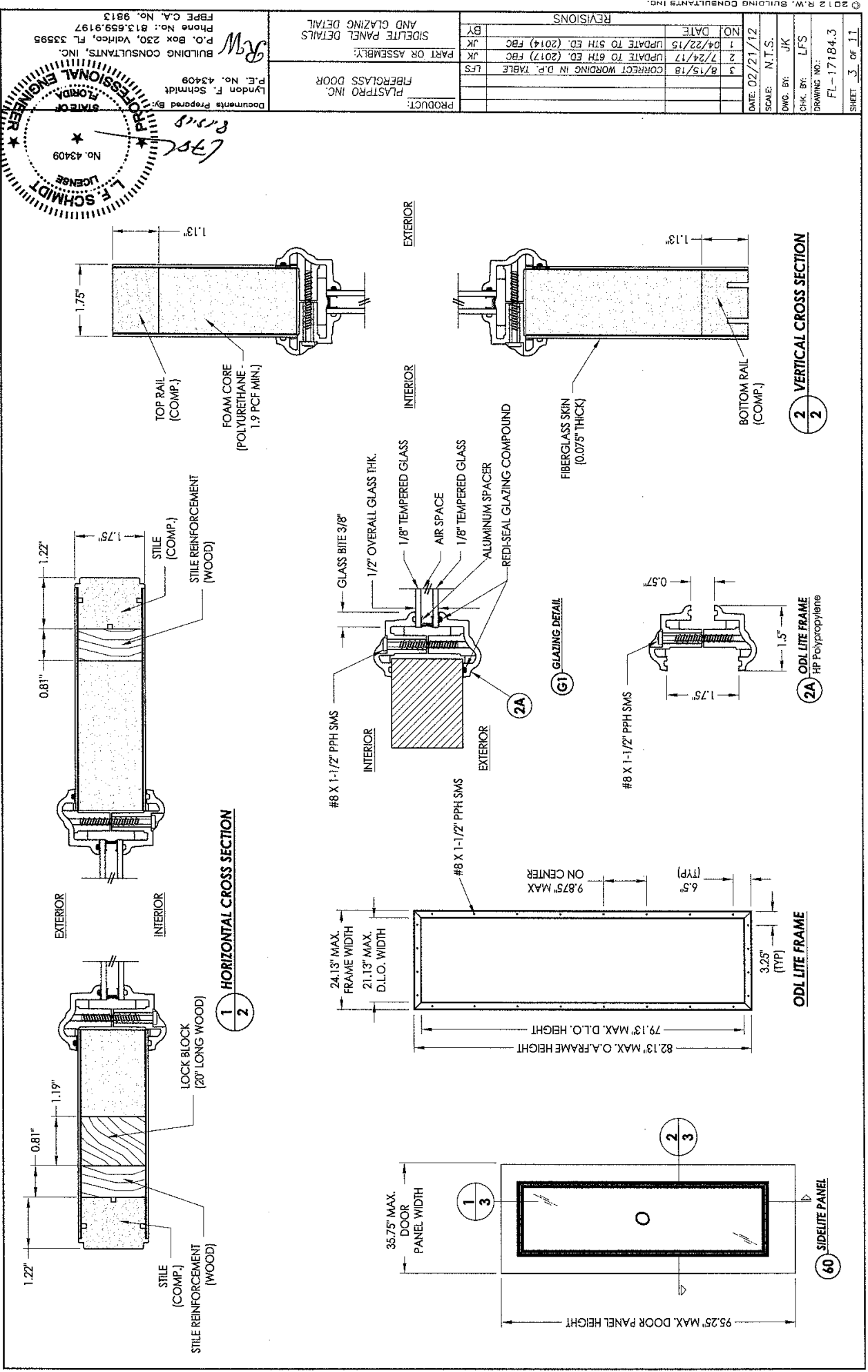
PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

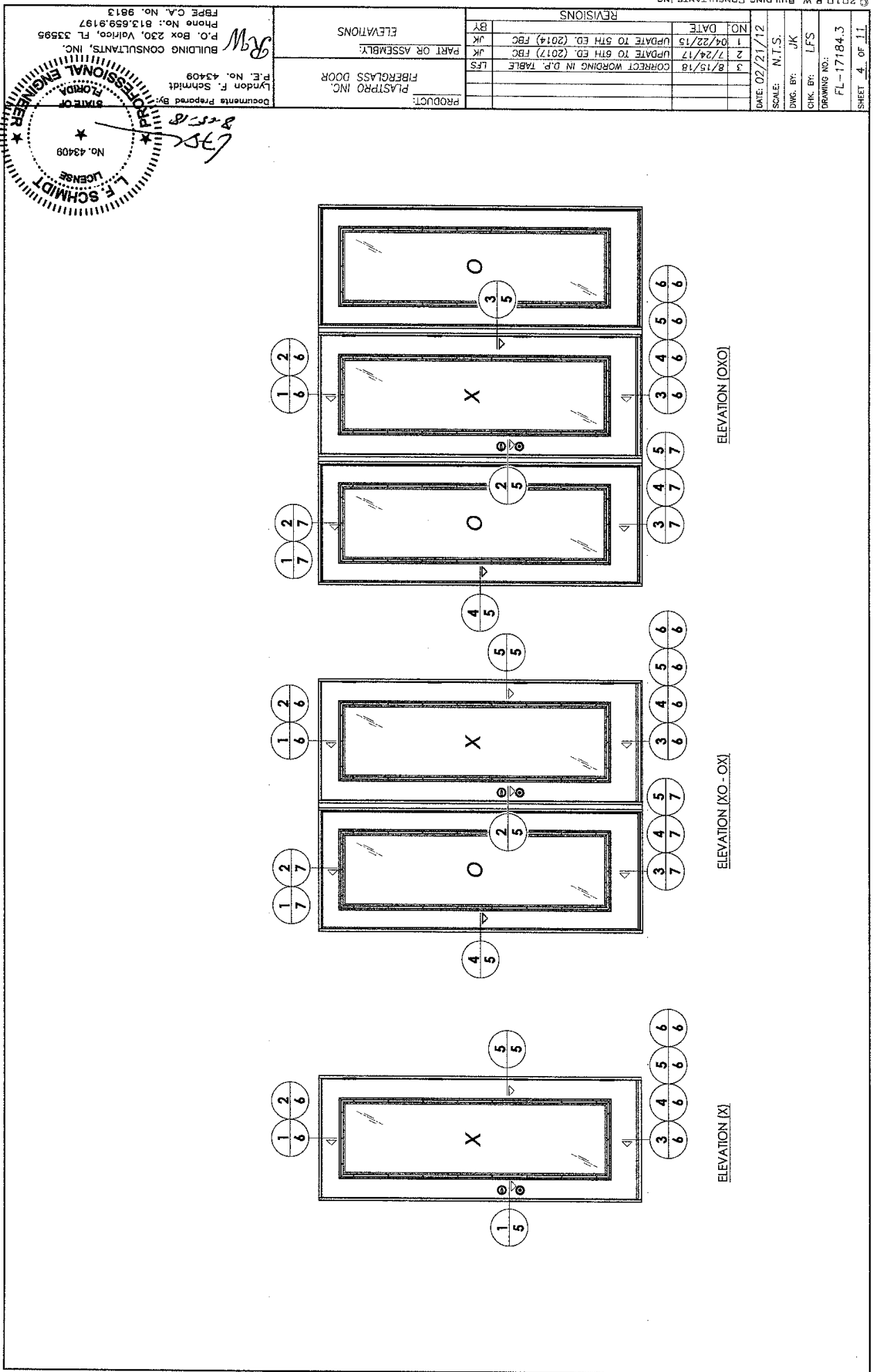
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100	08/15/18

DATE: 02/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-17184.3
SHEET 1 of 11

PRODUCT:	PLASTPRO INC.	FIBERGLASS DOOR	PART OR ASSEMBLY:	DOOR PANEL DETAILS AND GLAZING DETAIL
LFS	CORRECT WORDING IN D.P. TABLE	JK	UPDATE TO 5TH ED. (2017)	JK
2	7/24/17	JK	UPDATE TO 5TH ED. (2017)	JK
1	04/22/15	JK	UPDATE TO 5TH ED. (2017)	JK
NO.	DATE	BY	REVISONS	
3	8/15/18	JK	CORRECT WORDING IN D.P. TABLE	
DATE: 02/21/12				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO: FL-17184.3				
SHEET 2 OF 11				







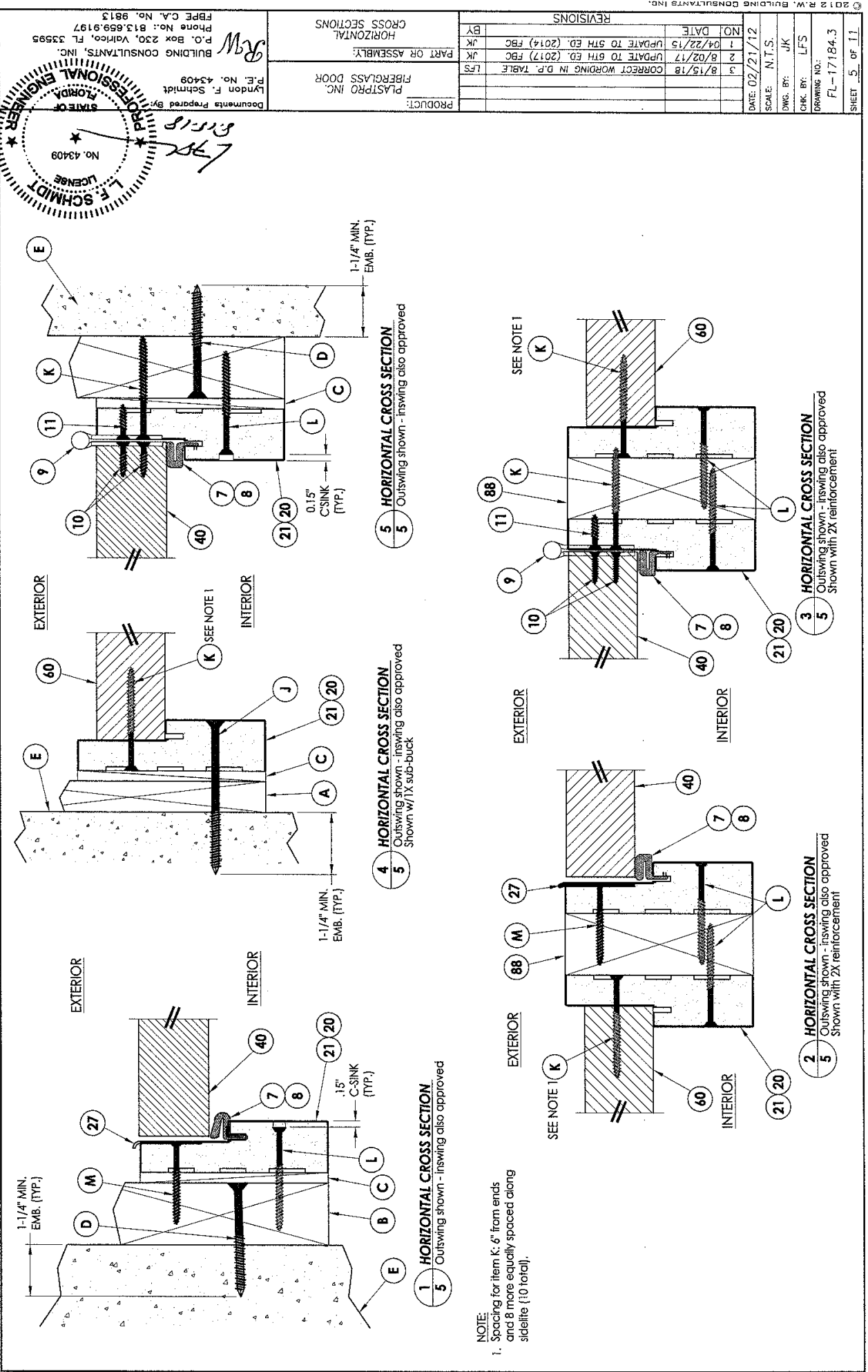
Documents Prepared By: Lyndon F. Schmidt
P.E. No. 43409

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

6/25/18

RM

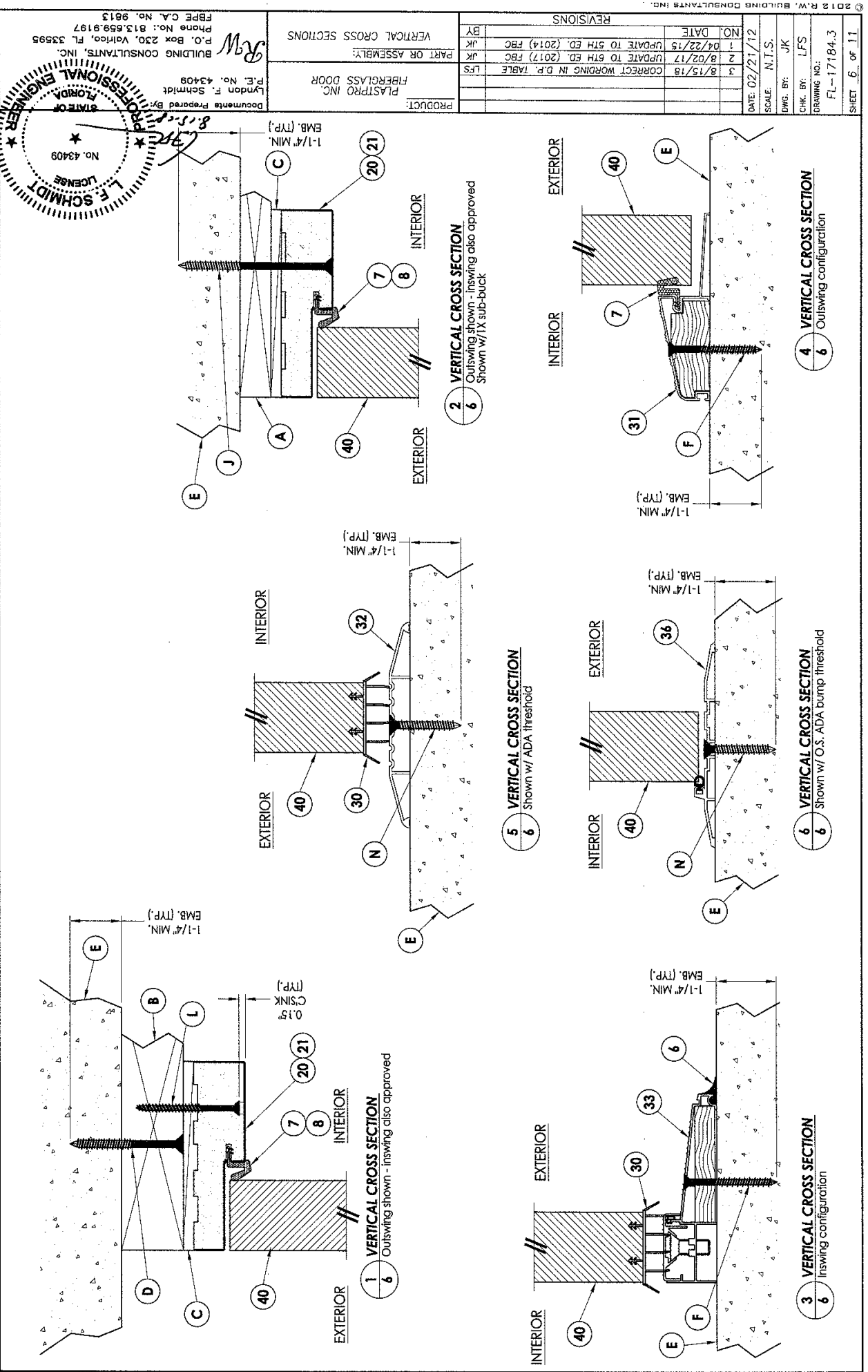
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vero Beach, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

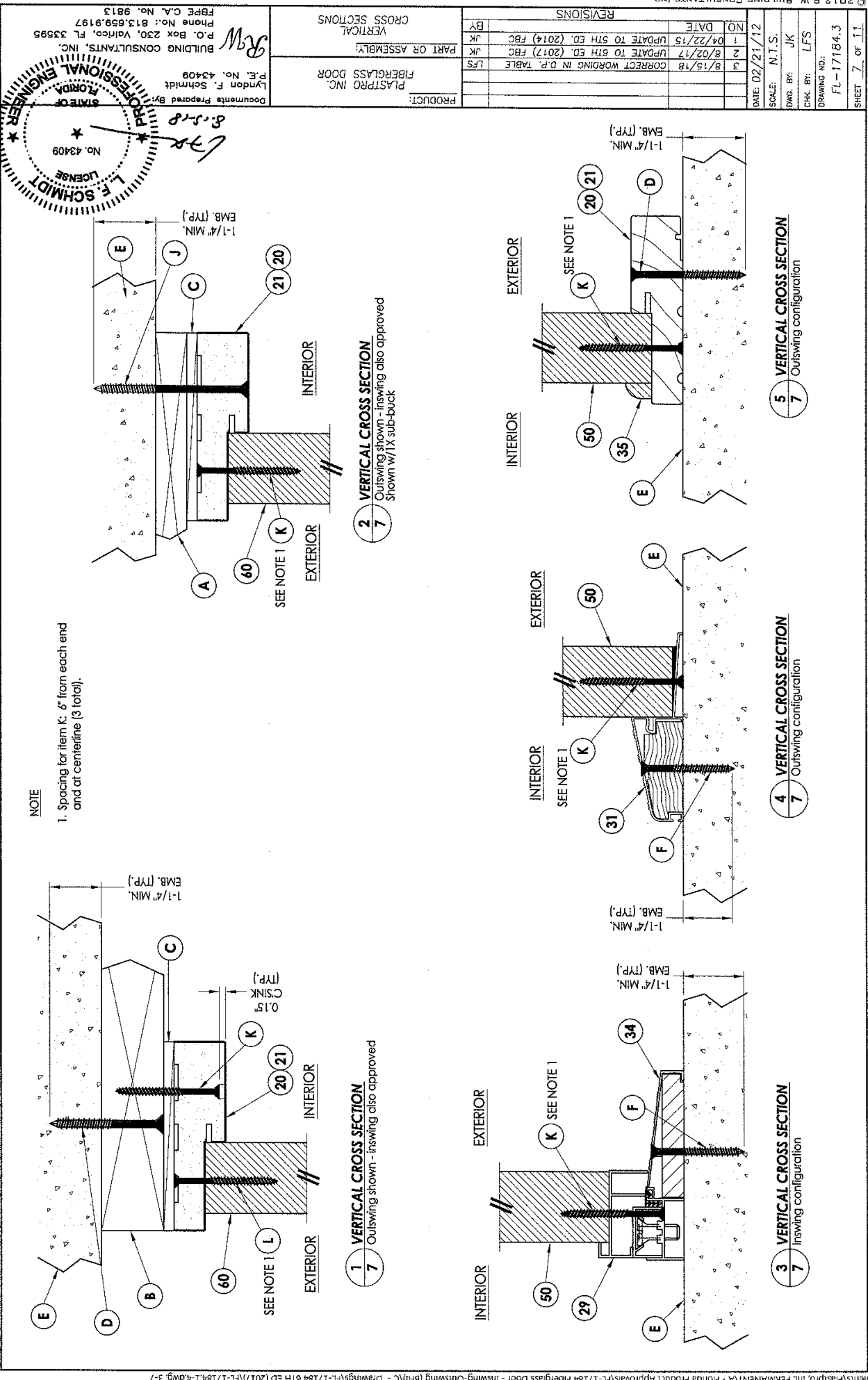


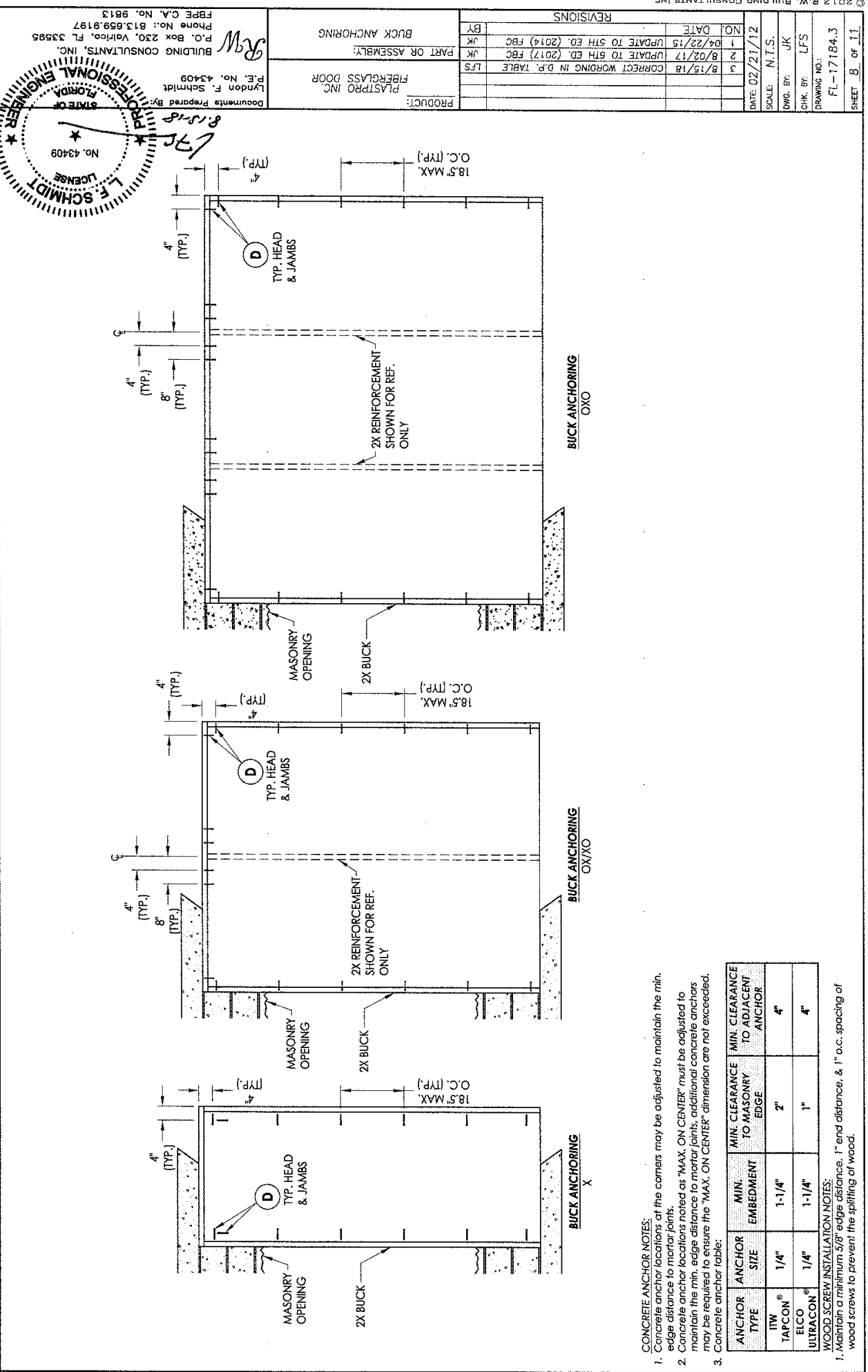
L.F. SCHMIDT
 No. 43409
 LICENSE
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Documents Prepared By: Lyndon F. Schmidt
 P.E. No. 43409
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

PRODUCT: PLASTIPRO INC. FIBERGLASS DOOR
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

REVISIONS	
NO.	DATE
1	04/22/15
2	08/02/17
3	08/15/18
BY	JK
CHK.	LFS
DWG. BY	JK
SCALE	N.T.S.
DATE	02/21/12
DRAWING NO.	FL-17184.3
SHEET	5 of 11







- CONCRETE ANCHOR NOTES:
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 - 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.
 - Concrete anchor table:
- | ANCHOR TYPE | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW | 1/4" | 1-1/4" | 2" | 4" |
| TAPCON® | 1/4" | 1-1/4" | 1" | 4" |
| ULTRA-CON® | 1/4" | 1-1/4" | 1" | 4" |
- WOOD SCREW INSTALLATION NOTES:
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

REVISIONS

NO.	DATE	DESCRIPTION
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
2	8/02/17	UPDATE TO 6TH ED. (2017) FBC
3	8/15/18	CORRECT WORDING IN D.P. TABLE

PRODUCT:

PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK ANCHORING

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17184.3

SHEET 8 OF 11

STATE OF FLORIDA

PROFESSIONAL ENGINEER

L. F. SCHMIDT

No. 43409

Documents Prepared By: Lyndon F. Schmidt

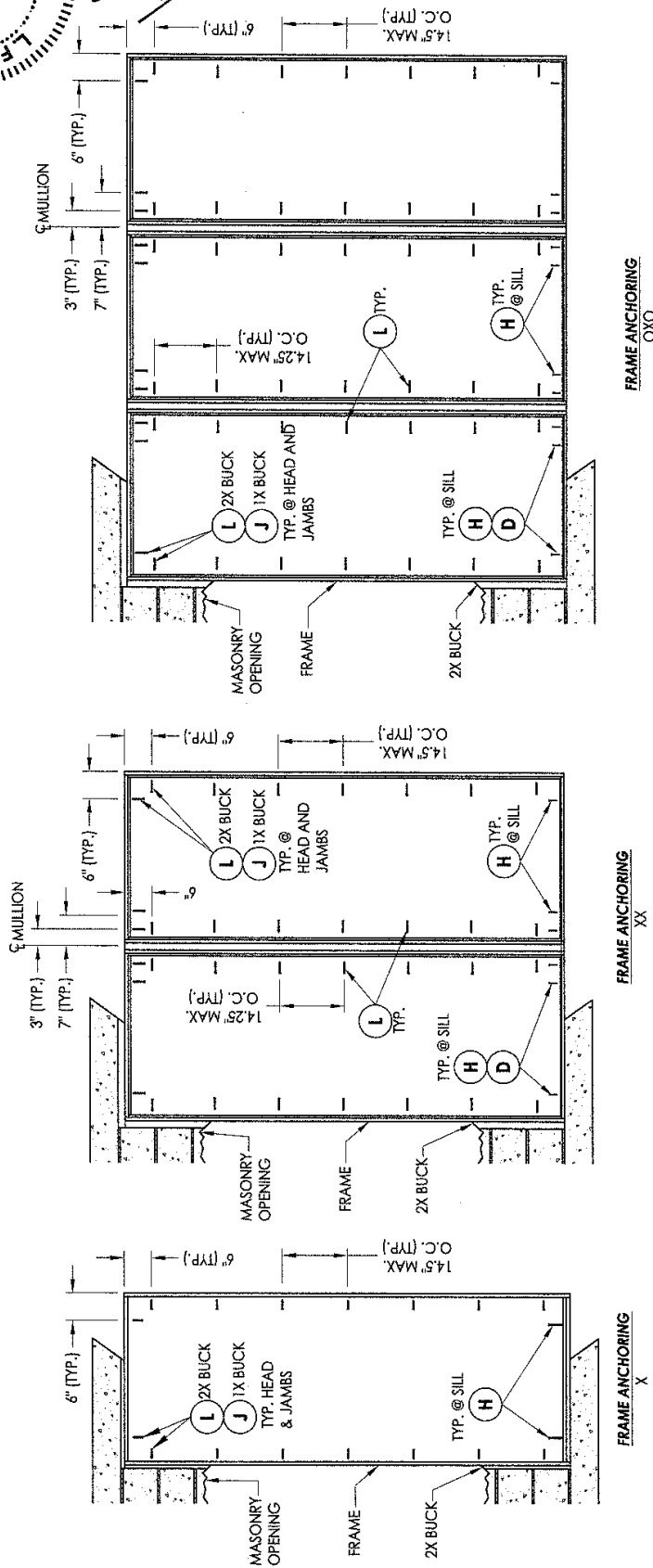
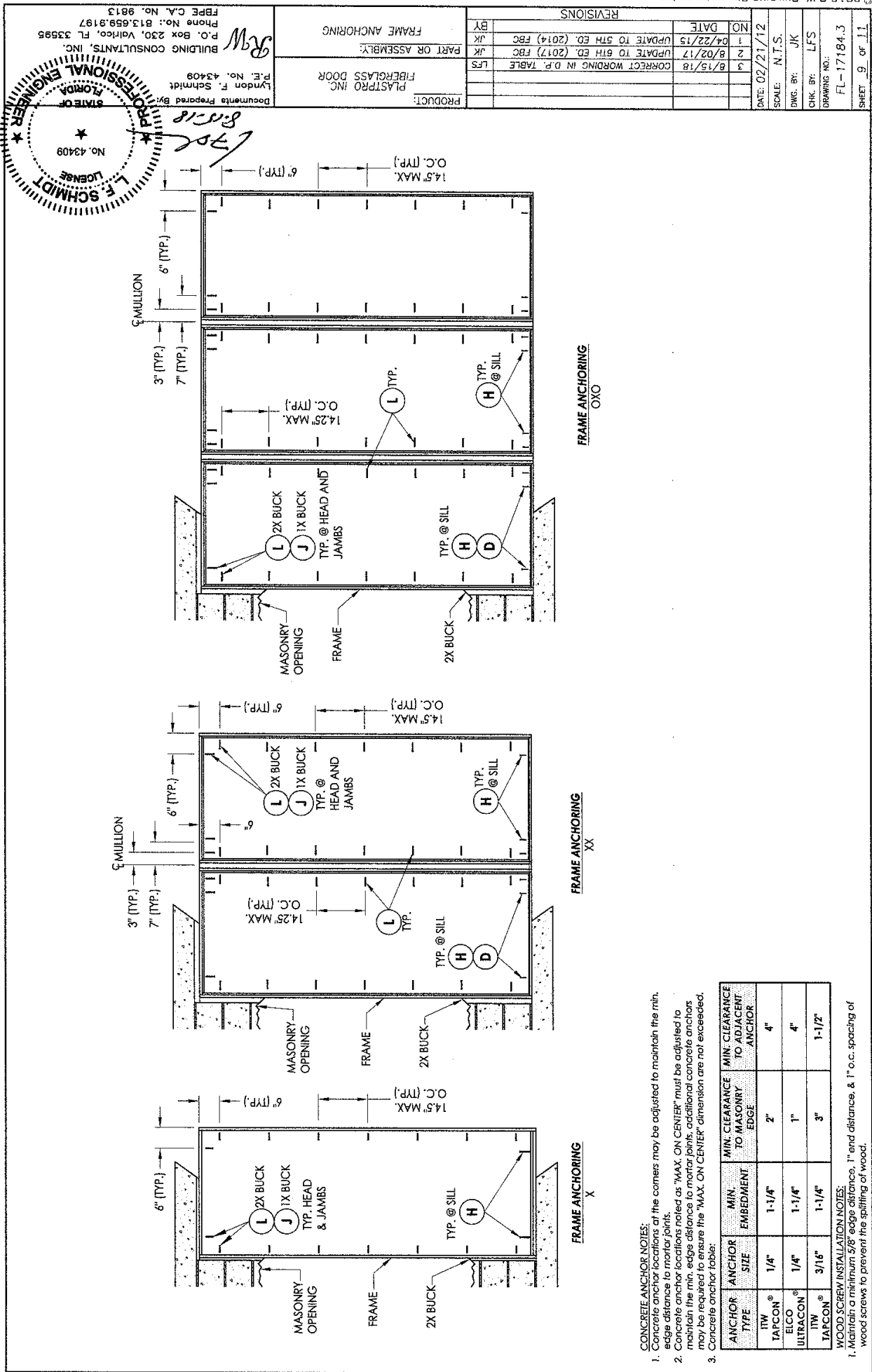
P.E. No. 43409

BUILDING CONSULTANTS, INC.

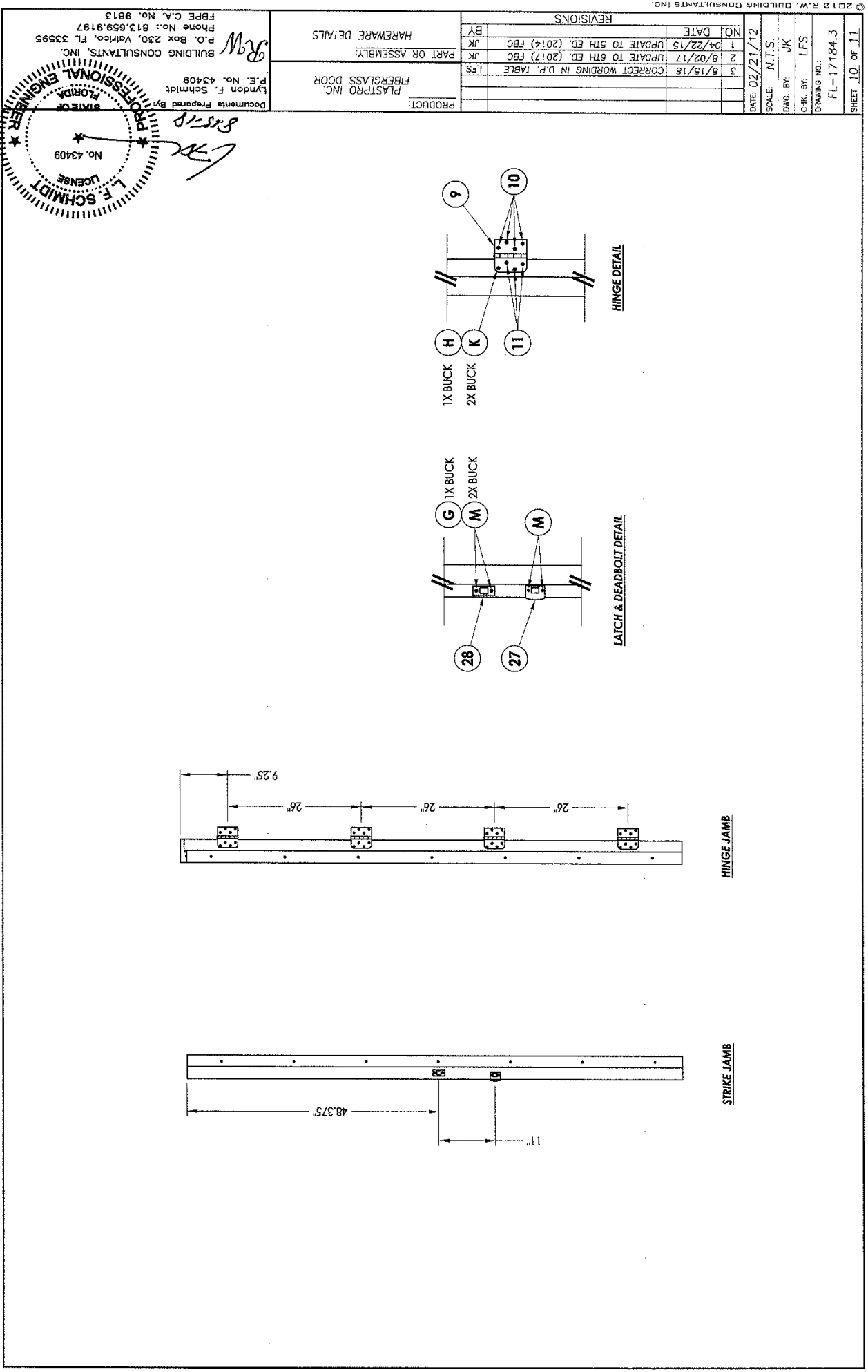
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FAX: C.A. No. 9813



Professional Engineer
L.F. SCHMIDT
 No. 43409
 State of Florida
 Documents Prepared By: Lyndon F. Schmidt
 P.E. No. 43409
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Vero Beach, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813



ITEM #

DESCRIPTION

MATERIAL

A

1X BUCK (SG >= 0.42)

WOOD

ITEM #

DESCRIPTION

MATERIAL

B

2X BUCK (SG >= 0.42)

WOOD

ITEM #

DESCRIPTION

MATERIAL

C

1/4" MAX. SHIM SPACE

-

ITEM #

DESCRIPTION

MATERIAL

D

1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

E

MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90

CONCRETE

ITEM #

DESCRIPTION

MATERIAL

F

1/4" X 2-1/4" PHF ELCO OR ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

G

3/16" X 3-1/4" PHF ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

H

1/4" X 3-1/4" PHF ELCO OR ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

J

1/4" X 3-3/4" PHF ELCO OR ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

K

#9 X 2-1/2" PHF WOOD SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

L

#10 X 2-1/2" PHF WOOD SCREW (1.15" MIN. EMBEDMENT)

STEEL

ITEM #

DESCRIPTION

MATERIAL

M

#8 X 2" PHF WOOD SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

N

1/4" X 1-3/4" PHF ELCO OR ITW CONCRETE SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

7

FORCE 5 WEATHERSTRIP (ENDURA)

FOAM

ITEM #

DESCRIPTION

MATERIAL

8

COMPRESSION WEATHERSTRIP QLON 650 (SCHLEGEL)

FOAM

ITEM #

DESCRIPTION

MATERIAL

9

4" X 4" BUTT HINGE

STEEL

ITEM #

DESCRIPTION

MATERIAL

10

#9 X 1" PHF WOOD SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

11

#9 X 3/4" PHF WOOD SCREW

STEEL

ITEM #

DESCRIPTION

MATERIAL

20

FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS

WOOD

ITEM #

DESCRIPTION

MATERIAL

21

POLY FIBER JAMB

COMP. / VINYL

ITEM #

DESCRIPTION

MATERIAL

27

LATCH STRIKE PLATE

STEEL

ITEM #

DESCRIPTION

MATERIAL

28

DEADBOLT STRIKE PLATE

STEEL

ITEM #

DESCRIPTION

MATERIAL

29

SIDELITE SPACER (ISSLB)

PVC

ITEM #

DESCRIPTION

MATERIAL

30

DOOR SWEEP

PVC

ITEM #

DESCRIPTION

MATERIAL

31

OUTSWING THRESHOLD BY DLP (QOSH)

ALUM. / WOOD

ITEM #

DESCRIPTION

MATERIAL

32

ADA THRESHOLD BY DLP (ISHC)

ALUM.

ITEM #

DESCRIPTION

MATERIAL

33

INSWING THRESHOLD BY DLP (ISCS)

ALUM. / WOOD

ITEM #

DESCRIPTION

MATERIAL

34

SIDELITE THRESHOLD BY DLP (ISH/ES)

ALUM. / WOOD

ITEM #

DESCRIPTION

MATERIAL

35

TRIM

WOOD

ITEM #

DESCRIPTION

MATERIAL

36

OUTSWING ADA BUMP THRESHOLD

ALUM.

ITEM #

DESCRIPTION

MATERIAL

40

DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS

-

ITEM #

DESCRIPTION

MATERIAL

60

SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS

-

ITEM #

DESCRIPTION

MATERIAL

88

2X REINFORCEMENT (CLEAR PINE: SG >= 0.49)

WOOD

BILL OF MATERIALS

20

HEAD & SIDE Jamb

21

HEAD & SIDE Poly fiber jamb

29

SIDELITE SPACER ISSLB

31

OUTSWING THRESHOLD QOSH

33

INSWING THRESHOLD ISCS

32

ADA SILL ISHC

34

SIDELITE THRESHOLD ISH/ES

36

OUTSWING ADA BUMP THRESHOLD QSHC

REVISIONS

NO. DATE

1 04/22/15 UPDATE TO 5TH ED. (2014) FBC JK

2 08/02/17 UPDATE TO 6TH ED. (2017) FBC JK

3 8/15/18 CORRECT WORKING IN D.P. TABLE LFS

BILL OF MATERIALS & COMPONENTS

PART OR ASSEMBLY

PLASTPRO INC. FIBERGLASS DOOR

PRODUCT

BY

DATE: 02/21/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-17184.3

SHEET 11 OF 11

2012 R.W. BUILDING CONSULTANTS INC.

8/15/18

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

NO. 43409

L.F. SCHMIDT

LYNDON F. SCHMIDT

P.E. NO. 43409

DOCUMENTS PREPARED BY

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FBPE C.A. NO. 9813

R:\Clients\Plastro, Inc PERMANENT\A - Florida Product Approval\FL-17184 6TH ED (2017)\FL-17184.1-4.dwg 3.11 Drawings\FL-17184 6TH ED (2017)\FL-17184.1-4.dwg 3.11