

44

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Therma Tru	Benchmark 36 X 80 Half Light, Low E Prehung	21135.5-R5
B. SLIDING	N/A		
C. SECTIONAL/ROLL UP	N/A		
D. OTHER	Jeld Wen	French Door 72 X 80 Full Light, Low E, Steel	12769.3-R11
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Atrium(Reliabilt)	36X60, 32X36, 36X36 Single Hung Series 105	20100.7-R14
B. HORIZONTAL SLIDER	N/A		
C. CASEMENT	N/A		
D. FIXED	N/A		
E. MULLION	N/A		
F. SKYLIGHTS	N/A		
G. OTHER	N/A		
3. PANEL WALL			
A. SIDING	Ply Gem	Georgia Pacific Vinyl Lap Siding	35331.1
B. SOFFITS	Ply Gem	Georgia Pacific Vinyl Soffit	33178.1
C. STOREFRONTS	N/A		
D. GLASS BLOCK	N/A		
E. OTHER	N/A		
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	N/A		
B. NON-STRUCT METAL	Tri County Metals	PBR Metal Roof Panels 26 Guage	4595.11-R8
C. ROOFING TILES	N/A		
D. SINGLE PLY ROOF	N/A		
E. OTHER	GCP Applied Tech.	Grace Ice and Water Underlayment	298.1-R7
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong Tie	SDWC15450 and SDWC15600	13975.2-R6
B. WOOD ANCHORS	Simpson Strong Tie	DTT2Z Hold Down	10441.1-R6
C. TRUSS PLATES	Simpson Strong Tie	SDWC15600 Strong Drive Screws	13975.2-R6
D. INSULATION FORMS	N/A		
E. LINTELS	N/A		
F. OTHERS	Simpson Strong Tie	MSTA18 Gable Staps	10465.07-R5 10456.21
6. NEW EXTERIOR			
ENVELOPE PRODUCTS	N/A		

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: _____

THERMA TRU®

Benchmark. Doors

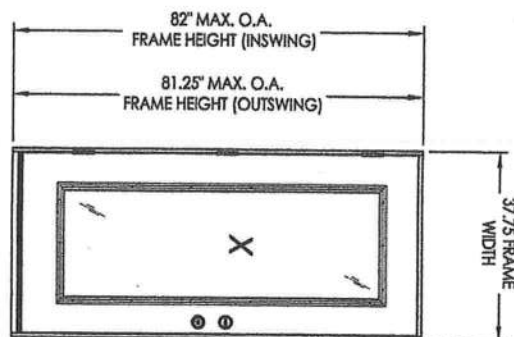
WOOD EDGE GLAZED FIBERGLASS SINGLE DOOR INSWING/OUTSWING "NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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.
6. Benchmark Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

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7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Vertical Cross Sections (Threshold)
9	Buck & Frame Anchoring
10	Hardware Details
11	Glazing Details
12	Components
13	Bill of Materials



CONFIGURATION	LITE INSERT	DESIGN PRESSURE (psf)		DESIGN PRESSURE (psf)	
		INSWING	OUTSWING	POSITIVE	NEGATIVE
X	Lip Lite	+47.0	-47.0	+47.0	-47.0
X	Flush Glazed	+47.0	-47.0	+47.0	-47.0
X	3/4 Flush Glazed	+47.0	-47.0	+47.0	-47.0

See Sheet 4 for Hardware Specifications

SHEET 1 OF 13

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

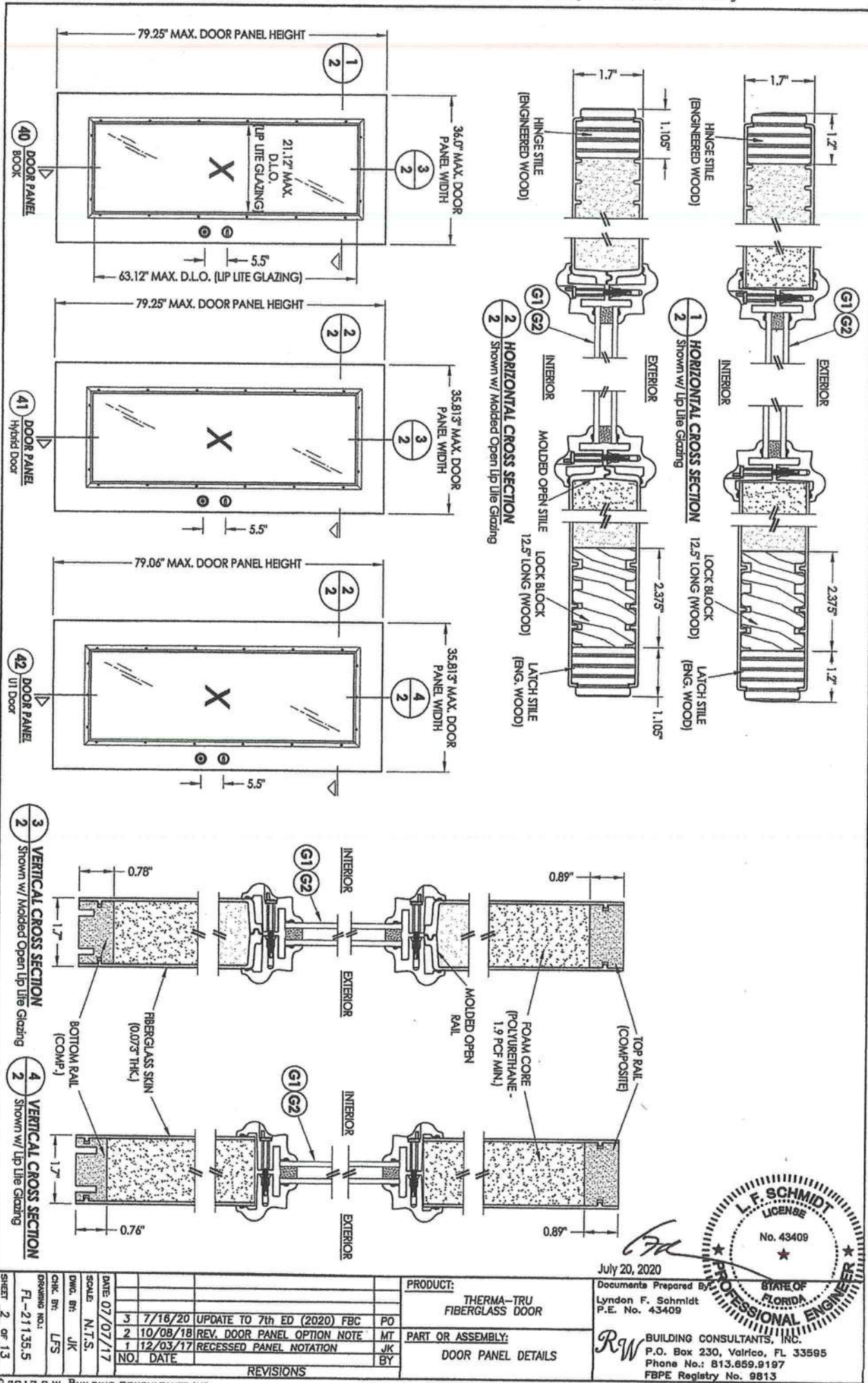
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

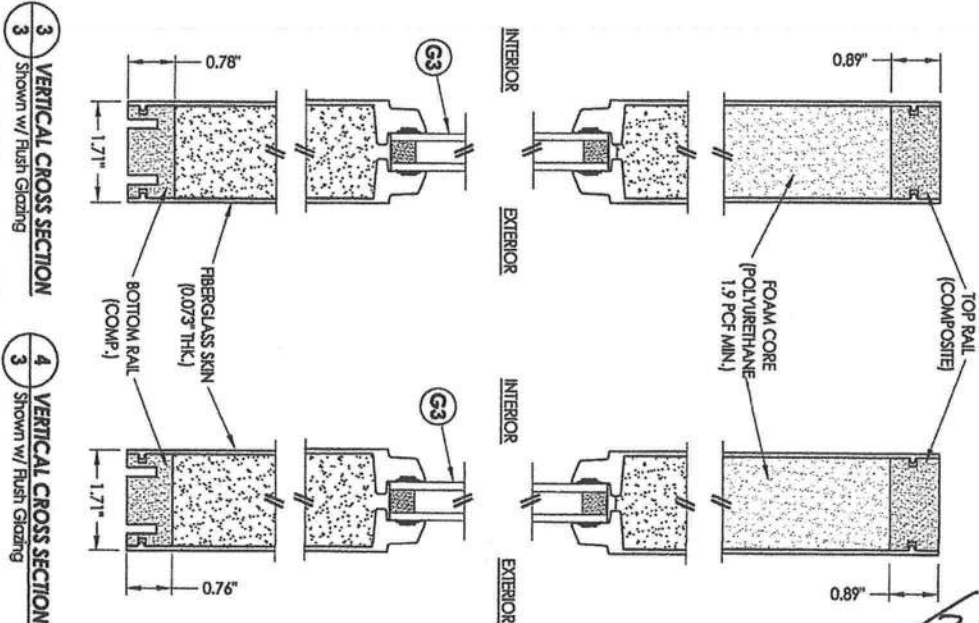
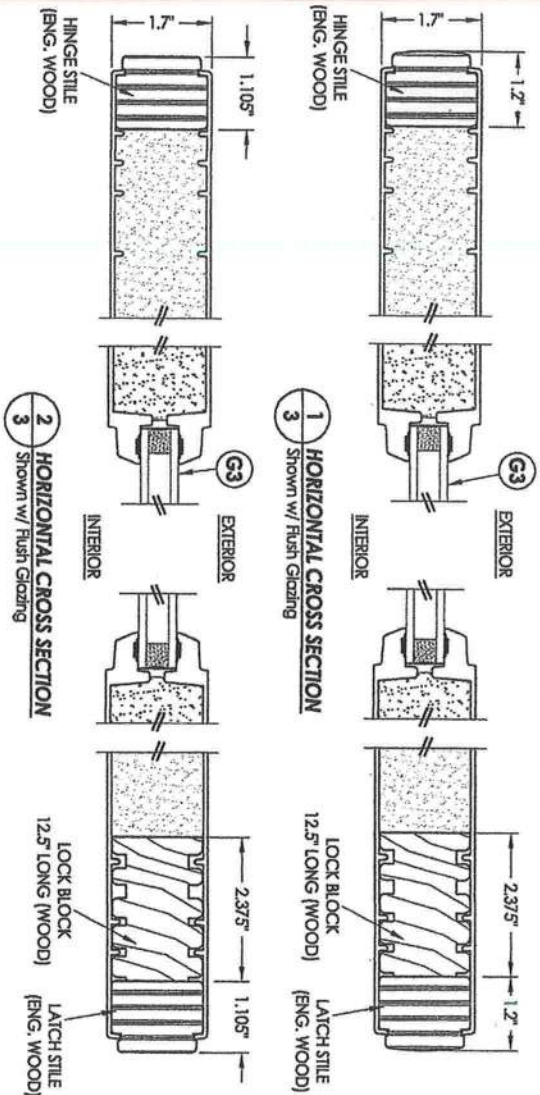
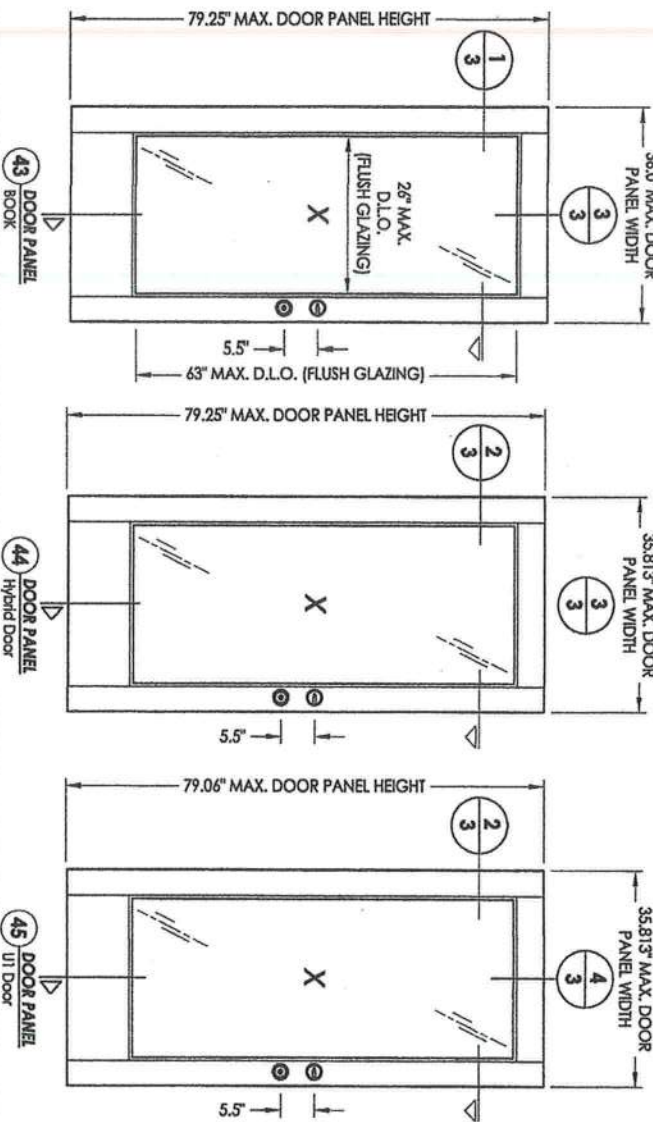
July 20, 2020

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 Registry No. 8813

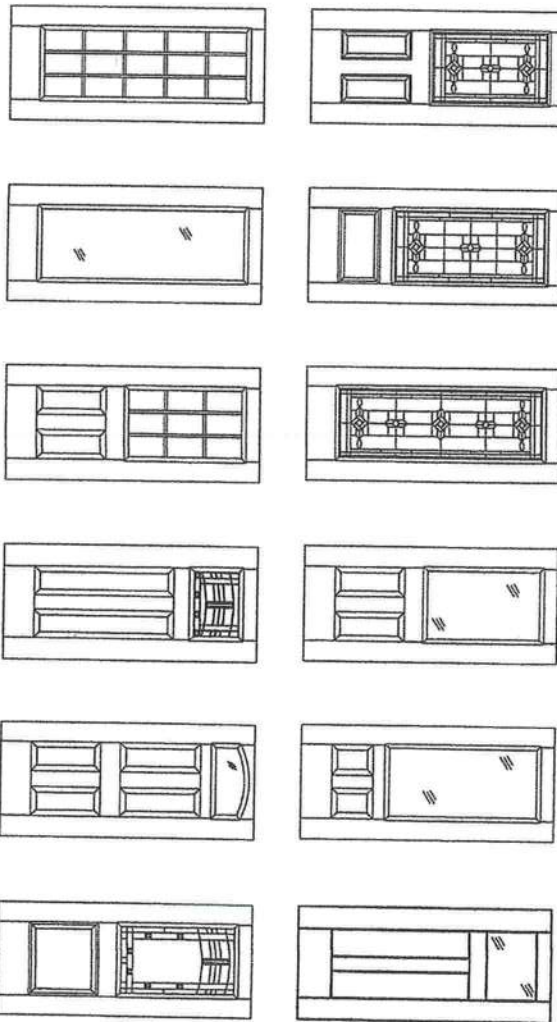
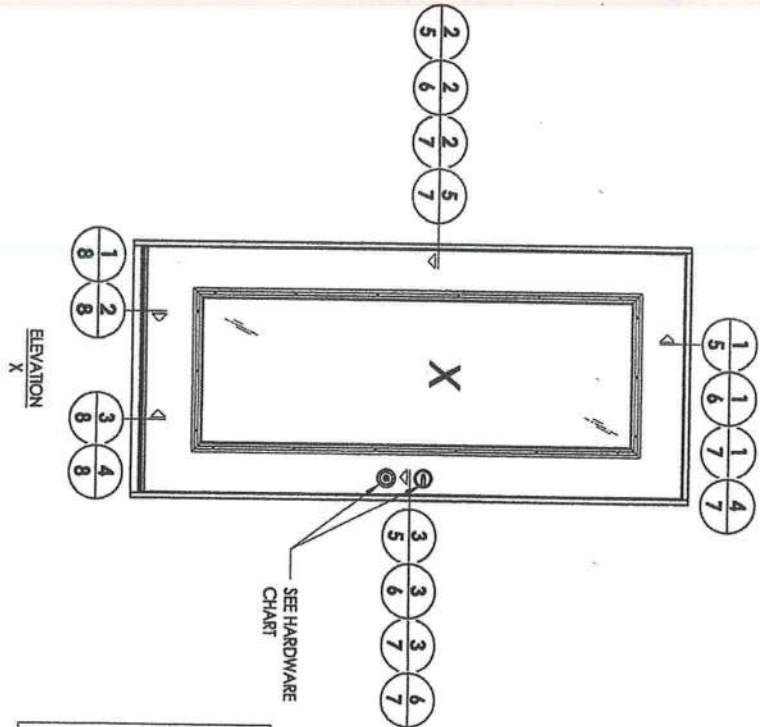






SHEET 3 OF 13	DRAWING NO. FL-21135.5	CHK. BY: LFS	DATE: 07/07/17	SCALE: N.T.S.	DRG. BY: JK	DATE: 07/07/17	3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO	1	10/08/18	REV. DOOR PANEL OPTION NOTE	MT	1	12/03/17	RECESSED PANEL NOTATION	JK	BY	NO. DATE	REVISIONS	PRODUCT: THERMA-TRU FIBERGLASS DOOR PART OR ASSEMBLY: DOOR PANEL DETAILS	July 20, 2020 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 Registry No. 9813
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HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
Kwikset	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)



Benchmark Door Panel Options
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

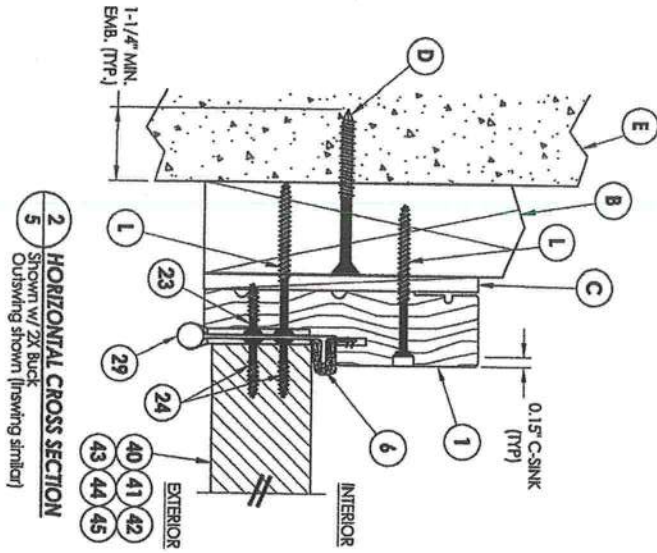
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PART OR ASSEMBLY:		ELEVATIONS	
NO.	DATE	REVISIONS	BY
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2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK

July 20, 2020

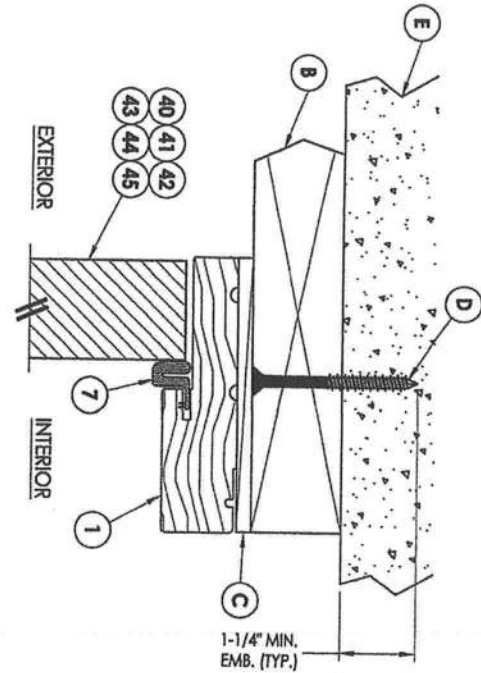
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Lyndon F. Schmidt
P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
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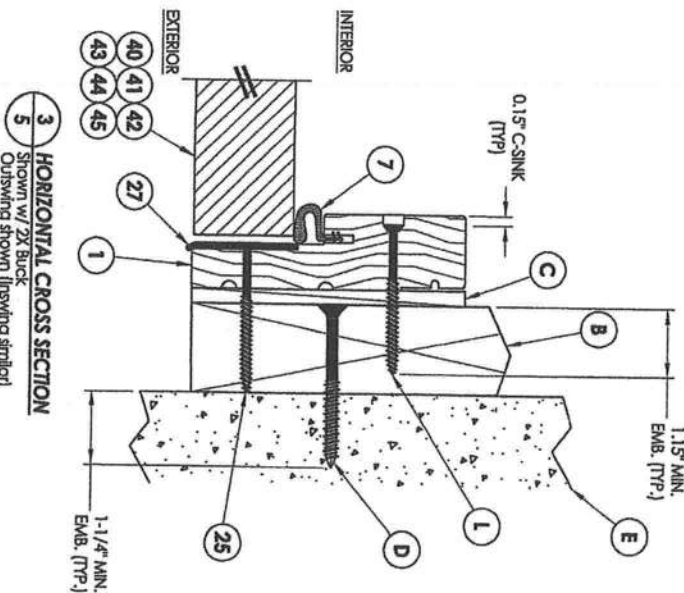




2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (inswing similar)



1 VERTICAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (inswing similar)



3 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (inswing similar)

DATE: 07/07/17	SCALE: N.T.S.	DWG. BY: JK	CHK. BY: LFS	DRAWING NO.: FL-21135.5	SHEET 5 OF 13
3 7/16/20	UPDATE TO 7th ED (2020) FBC	PO			
2 10/08/18	REV. DOOR PANEL OPTION NOTE	MT			
1 12/03/17	RECESSED PANEL NOTATION	JK			
NO.	DATE	BY			
REVISIONS					

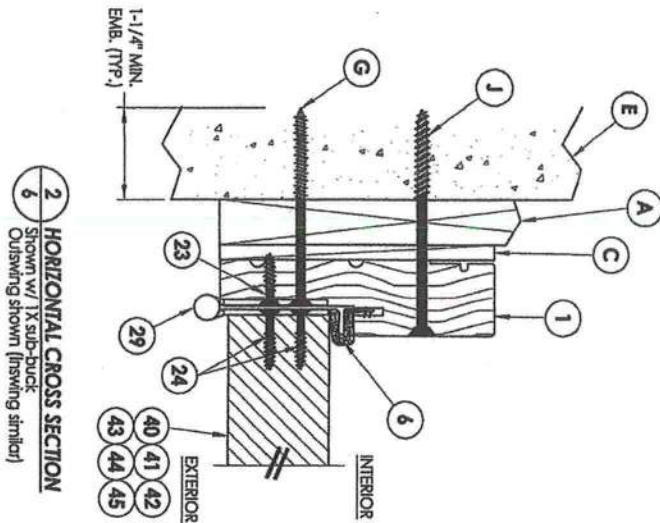
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

July 20, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

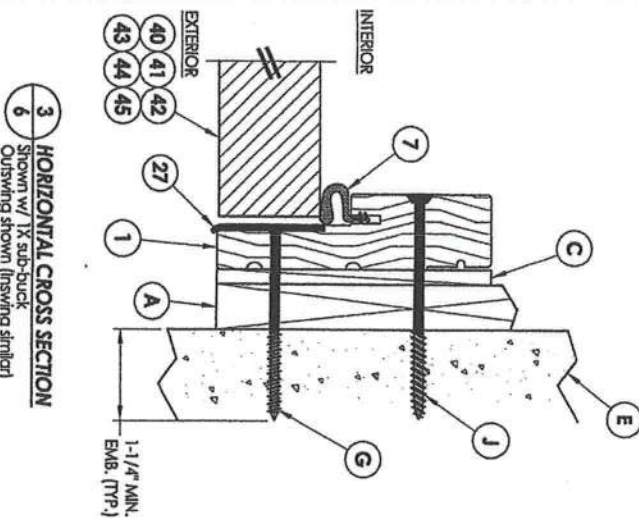
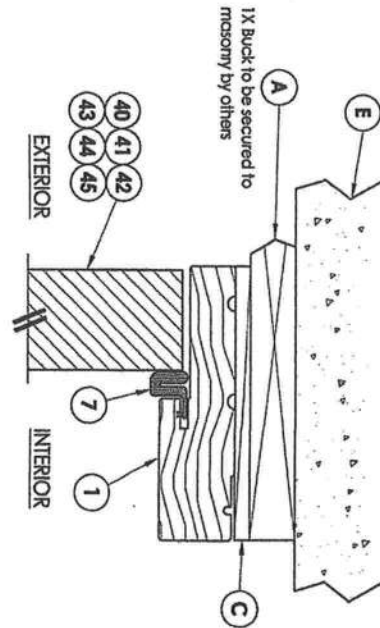
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813





2 HORIZONTAL CROSS SECTION
Shown w/ 1x sub-buck
Outswing shown (inswing similar)

1 VERTICAL CROSS SECTION
Shown w/ 1x sub-buck
Outswing shown (inswing similar)



3 HORIZONTAL CROSS SECTION
Shown w/ 1x sub-buck
Outswing shown (inswing similar)

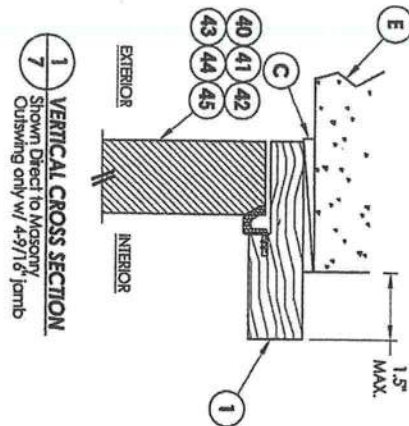
July 20, 2020

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P.E. No. 43409

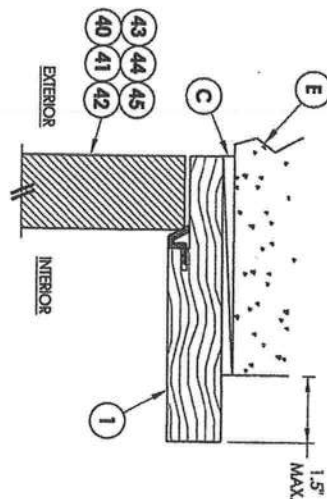
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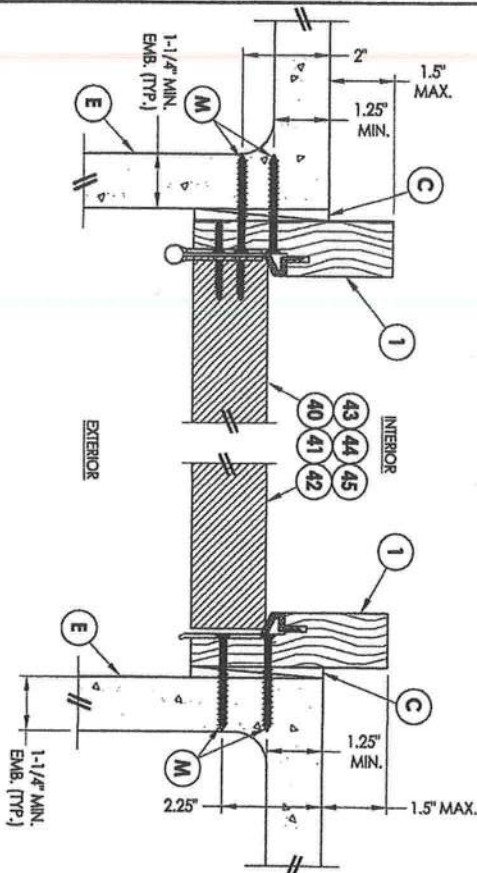
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2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK
			BY
PRODUCT: THERMA-TRU FIBERGLASS DOOR			
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1x BUCK)			
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21135.5			
SHEET 6 OF 13			



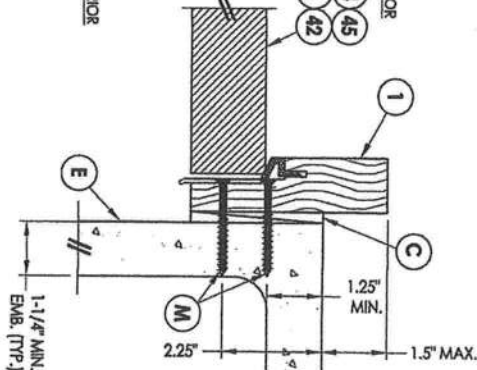
1
7
VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16\"/>



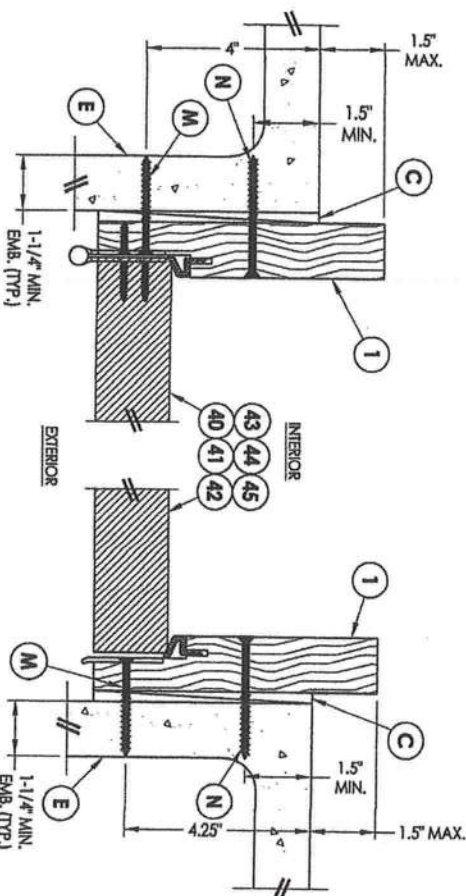
4
7
VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16\"/>



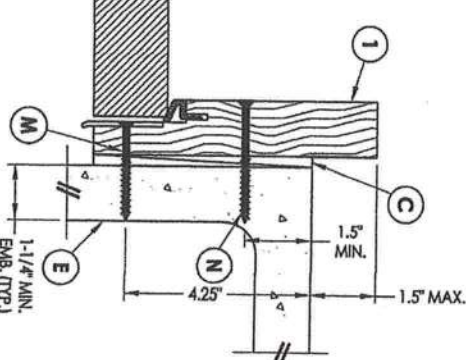
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7
HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16\"/>



3
7
HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16\"/>



5
7
HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16\"/>



6
7
HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16\"/>

DATE: 07/07/17										SCALE: N.T.S.										DWG. BY: JK										CHK. BY: LFS										DRAWING NO.: FL-21135.5										SHEET 7 OF 13																																																																																																			
3										7/16/20										UPDATE TO 7th ED (2020) FBC										PO										2										10/08/18										REV. DOOR PANEL OPTION NOTE										MT										1										12/03/17										RECESSED PANEL NOTATION										JK										NO.										DATE										BY									
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PART OR ASSEMBLY:																														HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)																																																																																																																							

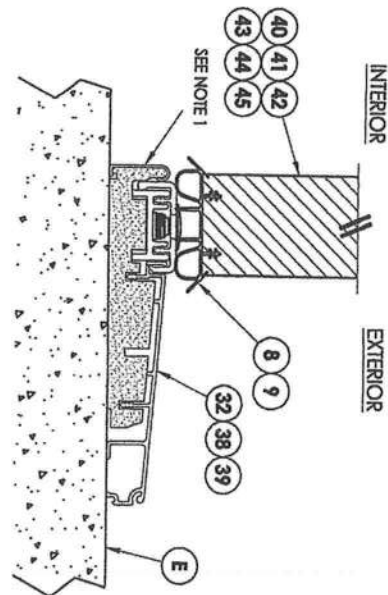
July 20, 2020

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Lyndon F. Schmidt
P.E. No. 43409

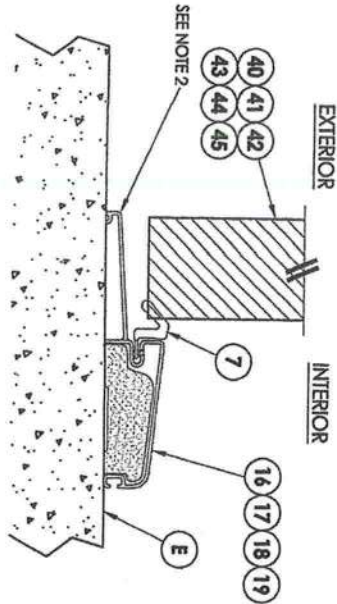
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.859.9197
FBPE Registry No. 9813



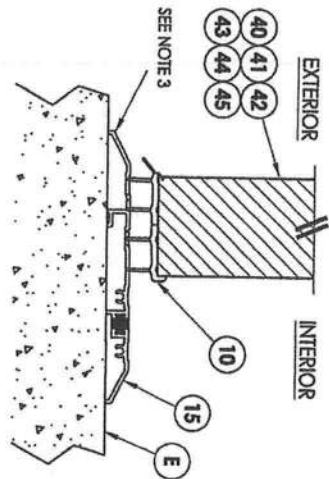
- Notes:
1. Still Item #s 32, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" phn screws at each end.
 2. Still Item #s 16, 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" phn screws at each end.
 3. Still Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



1
8
VERTICAL CROSS SECTION
Insulating Sill



2
8
VERTICAL CROSS SECTION
Outswinging Sill



3
8
VERTICAL CROSS SECTION
Public Access Sill

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Lyndon F. Schmidt
P.E. No. 43409

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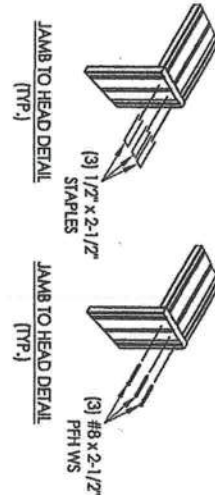
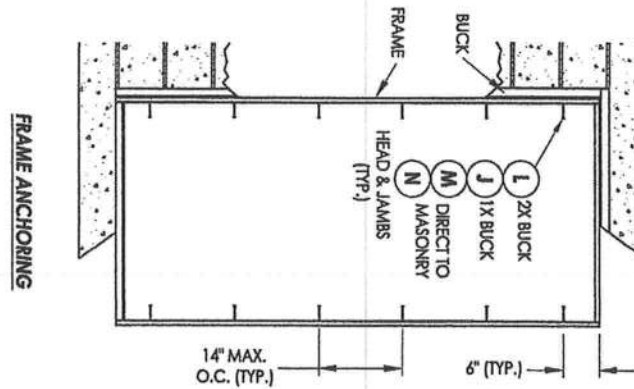
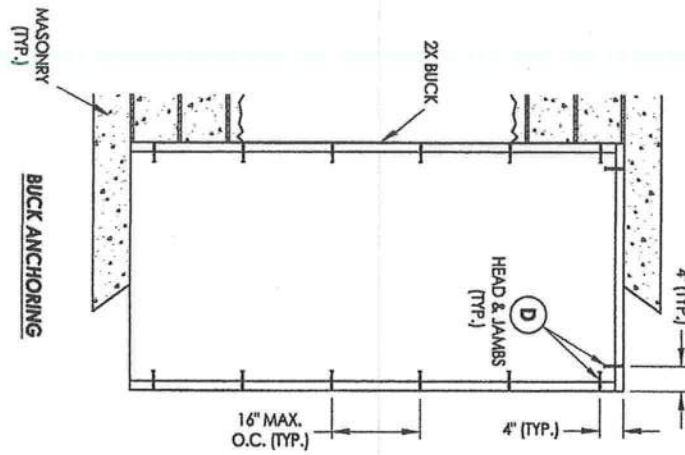


PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS	BY
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK
1			BY

DATE: 07/07/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21135.5
SHEET: 8 OF 13



July 20, 2020

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Lyndon F. Schmidt
P.E. No. 43409



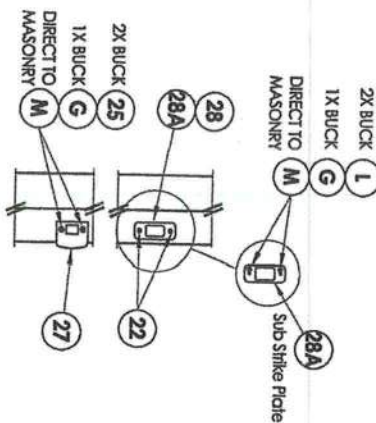
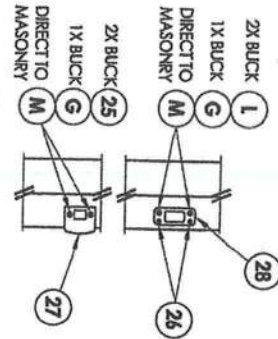
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

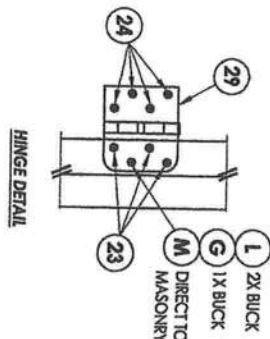
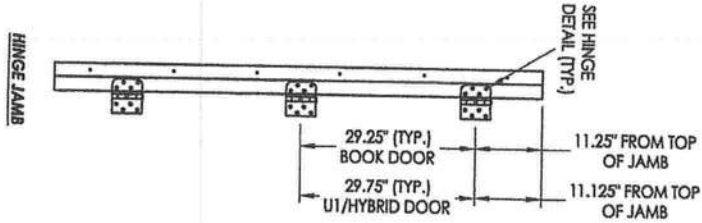
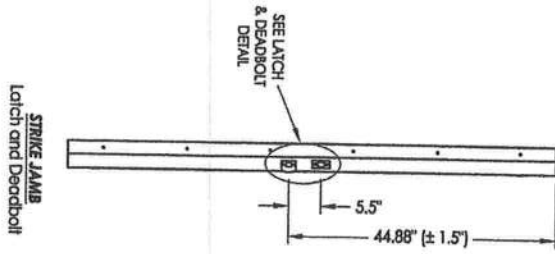
PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS	BY
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK

DATE: 07/07/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21135.5
SHEET 9 OF 13



LATCH & DEADBOLT STRIKE DETAILS
(Standard Deadbolt Strike Plate)



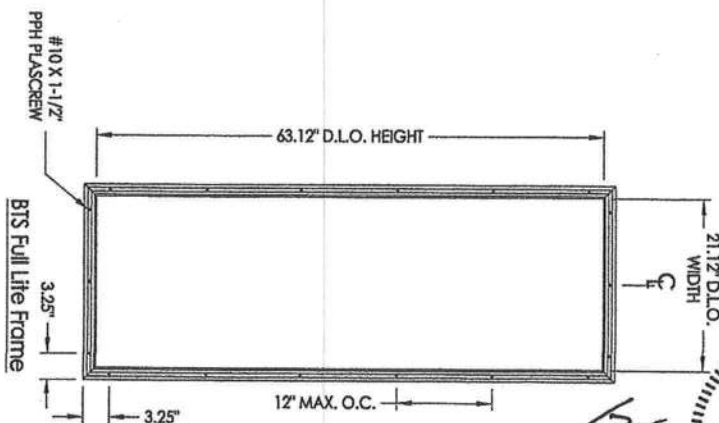
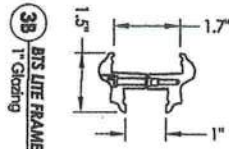
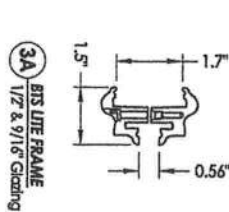
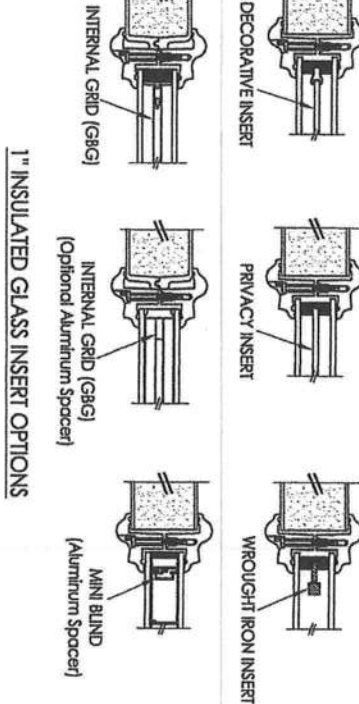
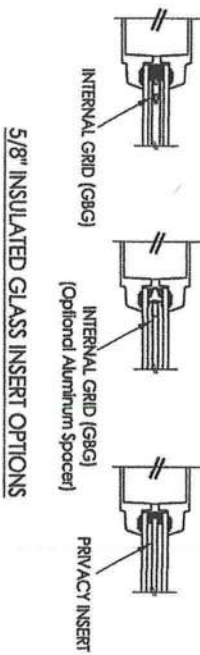
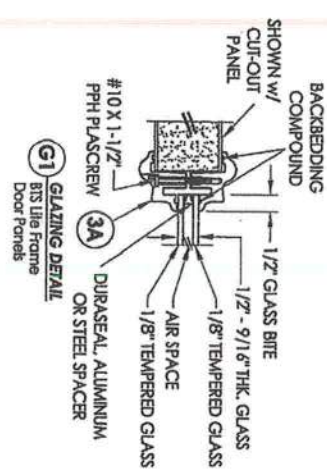
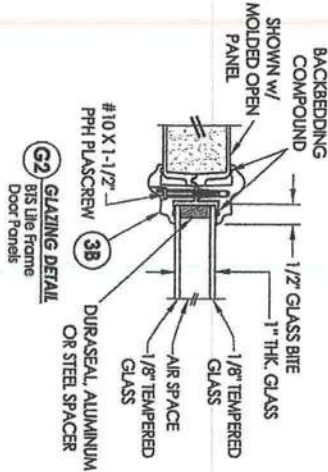
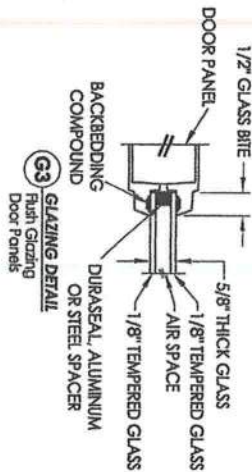
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Documents Prepared By
Lyndon F. Schmidt
P.E. No. 43409



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

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		HARDWARE DETAILS	
NO.	DATE	REVISIONS	BY
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK

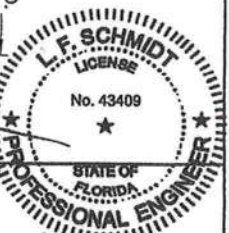


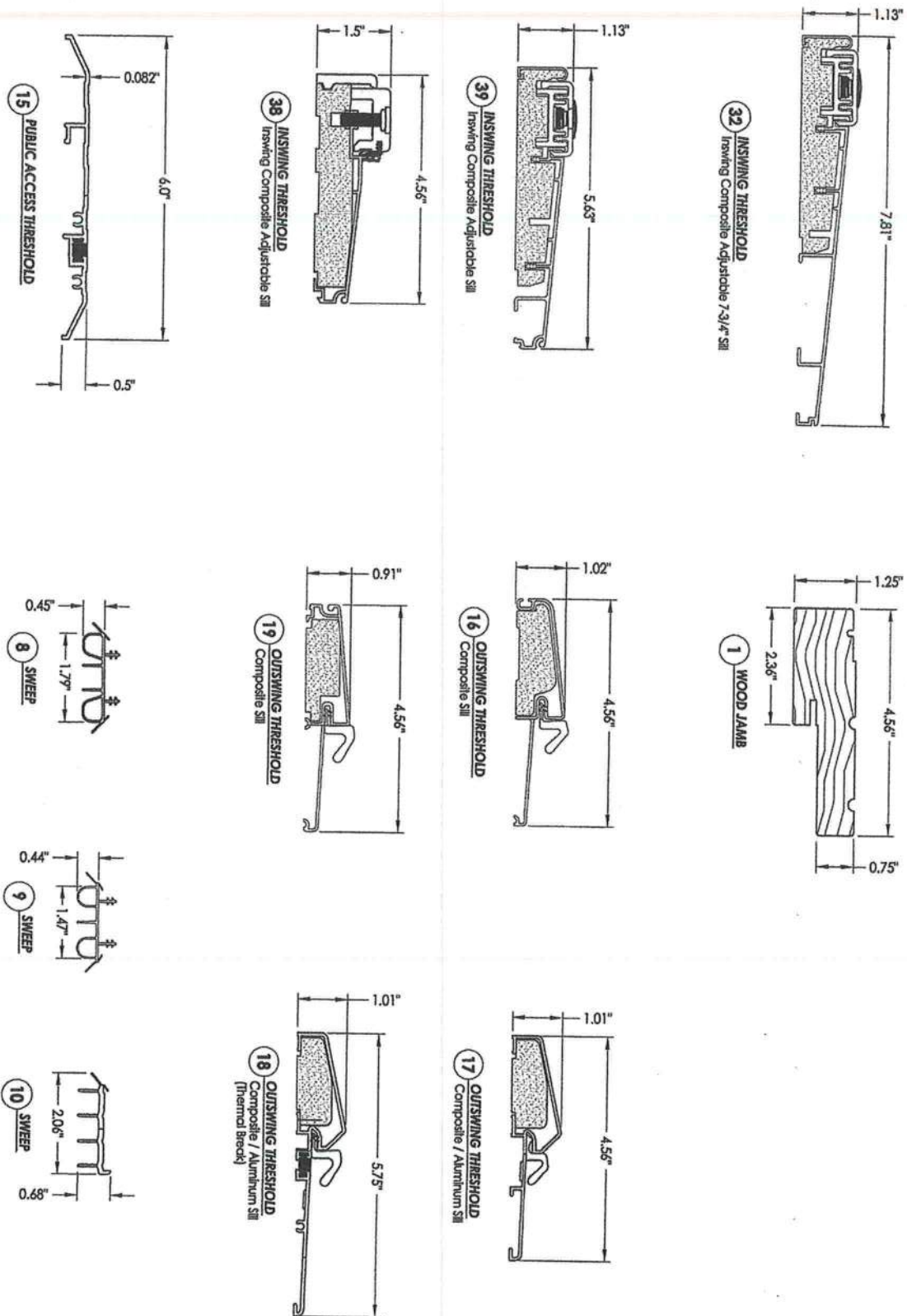
NO.	DATE	REVISIONS	BY
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
1	12/03/17	RECESSED PANEL NOTATION	JK

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	GLAZING DETAILS

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DATE: 07/07/17				SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-21135.5		SHEET 12 OF 13	
NO.		DATE		REVISIONS				BY		PRODUCT: THERMA-TRU FIBERGLASS DOOR			
3		7/16/20		UPDATE TO 7th ED (2020) FBC				PO		PART OR ASSEMBLY:			
2		10/08/18		REV. DOOR PANEL OPTION NOTE				MT		COMPONENTS			
1		12/03/17		RECESSED PANEL NOTATION				JK					

July 20, 2020

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 Registry No. 9813



BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BLACK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PHH WOOD SCREW	STEEL
B	2X BLACK (SG >= 0.42)	WOOD	26	#8 x 5/8" PHH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" ITW ELCO OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	29	4" X 4" HINGE	STEEL
J	1/4" X 3-3/4" PHH ELCO OR ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PHH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	38	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	39	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK)	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	41	DOOR PANEL (HYBRID)	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	42	DOOR PANEL (U)	-
7	WEATHERSTRIP (LONG REACH)	FOAM	43	FLUSH GLAZED DOOR PANEL (BOOK)	-
8	SWEEP	VINYL	44	FLUSH GLAZED DOOR PANEL (HYBRID)	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	45	FLUSH GLAZED DOOR PANEL (U)	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL			
15	ADA THRESHOLD	ALUM			
16	OUTSWING THRESHOLD	ALUM/COMP			
17	OUTSWING THRESHOLD	ALUM/COMP			
18	OUTSWING THRESHOLD	ALUM/COMP			
19	OUTSWING THRESHOLD	ALUM/COMP			
22	#8 x 3/4" PHH WOOD SCREW	STEEL			
23	#10 x 3/4" PHH WOOD SCREW	STEEL			
24	#10 x 1" PHH WOOD SCREW	STEEL			

- 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 TAPCON®	1/4"	1-1/4"	2"	4"
ELCO	1/4"	1-1/4"	1"	4"
ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

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.

PRODUCT: THERMA-TRU FIBERGLASS DOOR		July 20, 2020 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY: BILL OF MATERIALS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT
3	12/03/17	RECESSED PANEL NOTATION	JK
SCALE: N.T.S. DATE: 07/07/17 DWG. BY: JK CHK. BY: LFS FL-21135.5 SHEET 13 OF 13			

JELD-WEN DOOR INSTALLATION DETAILS

CONTOURS PREMIUM STEEL WOOD EDGE

FULL LITE NON-IMPACT OUTSWING

UP TO 12'-0" X 6'-8"

Digitally signed by Hermes F. Noreno
Reason: I am approving this document
Date: 2020.09.26 03:48:02 +02'00'

TABLE 1
DESIGN PRESSURE RATING:

SIZE	QUALIFIER: FULL LITE NON-IMPACT ACTIVE PANELS WITH OR W/O SIDELITES
MAX. PANEL WIDTH = 35 3/4"	6-8 TALL SYSTEMS: (XX) (XXX) (XXX) (X) (OX) (XX) (OXX)
INSWING	POSITIVE
NEGATIVE	-55*
POSITIVE	+55*
NEGATIVE	-60*
POSITIVE	+60*
NEGATIVE	-60*
POSITIVE	+60*

COMPONENT LIST

ITEM	DESCRIPTION	MATERIAL	QTY.
1	NON-COMPRESSION SHIM (0.25" MAX. THK.)	WOOD	AS REQ.
2	2X WOOD SUB BUCK (S.G. MUST BE 0.55 OR GREATER)	WOOD	AS REQ.
3	1X WOOD SUB BUCK (S.G. MUST BE 0.55 OR GREATER)	WOOD	AS REQ.
4	#10 WOOD INSTALLATION SCREW W/ 1 1/2" MIN. EMBEDMENT	STEEL	AS REQ.
5	3/16" 11W TAPCON ANCHOR W/ 1 1/4" MIN. EMBEDMENT	STEEL	AS REQ.
6	#9 X 2 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL	2 OR 4
7	#8 X 2 1/2" PHILLIPS FLATHEAD WOOD SCREW	STEEL	AS REQ.
8	#9 X 3/4" PHILLIPS FLATHEAD WOOD SCREW	STEEL	22 OR 44
9	1" O.A. IG NON-IMPACT FRAME BY ODL	Polypropylene	1 OR 4
10	LOCK SERIES 400	STEEL	1
11	DEADBOLT SERIES 780	STEEL	1
12	1" O.A. IG NON-IMP. SMART FRAME BY ODL	Polypropylene	1 OR 4
13	3/4" O.A. IG NON-IMPACT VENT UNIT BY ODL	Polypropylene	1
14	FLAT LITE KIT	ALUMINUM	1
15	ADA THRESHOLD	ALUMINUM	1

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE (I.B.C.) & INTERNATIONAL RESIDENTIAL CODE (I.R.C.) AND THE CURRENT FLORIDA BUILDING CODES (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED IN ACCORDANCE TO TAS 202-94, ASTM E330-02, E283-04, E331-00 AND AAMA 1304-02. **NOTE:** ODL SMART FRAME IS HVHZ EXEMPT AND ONLY RATED FOR WINDZONE 3.

2. 1X AND 2X WOOD BUCKS BY OTHERS AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. BUCK MATERIAL MUST HAVE A SPECIFIC GRAVITY OF 0.55 OR GREATER.

3. CONCRETE OR MASONRY MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. CONCRETE MATERIAL SHALL HAVE A MINIMUM FC OF 3000psi OR MASONRY/CMU SHALL CONFORM TO ASTM C90.

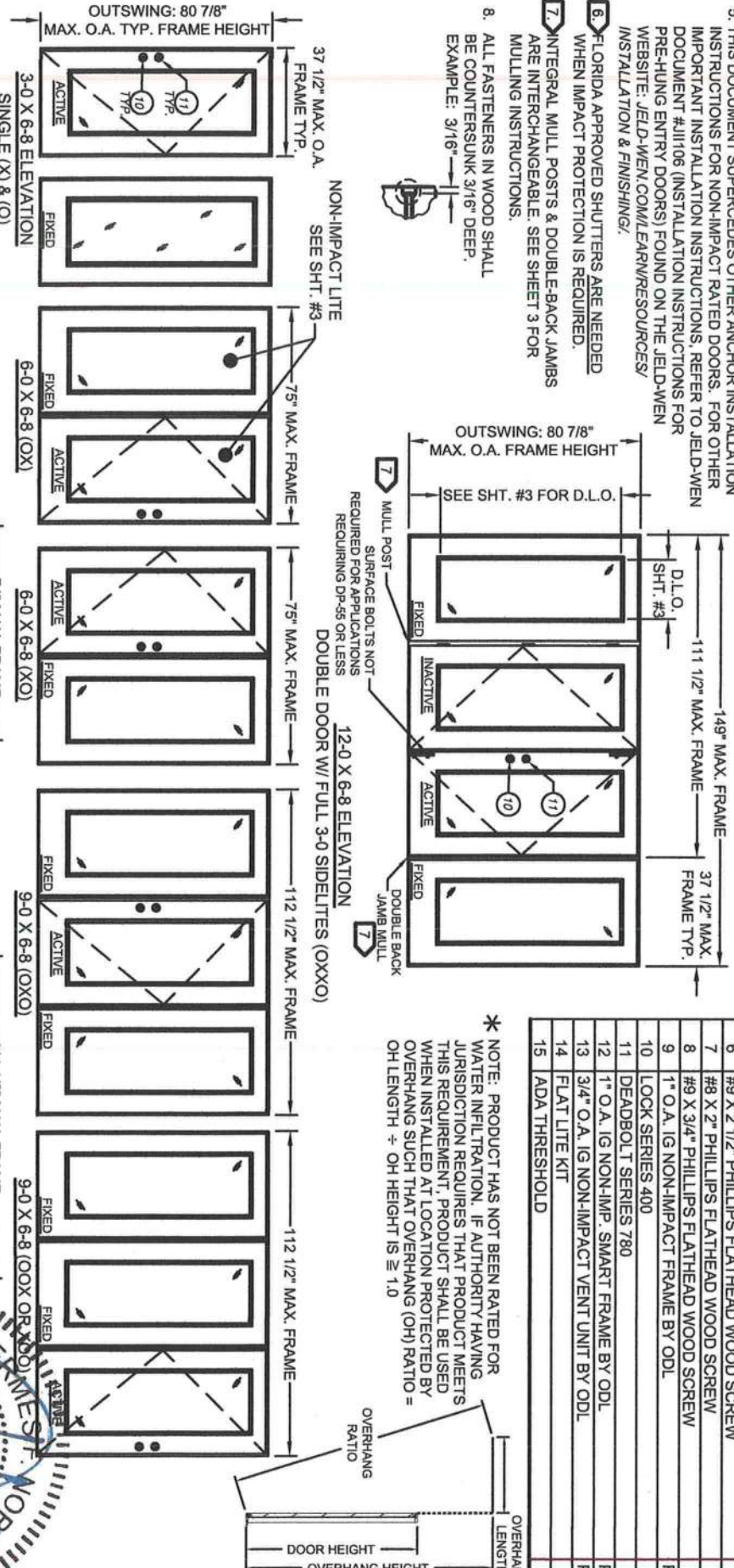
4. PRODUCT ANCHOR TYPES AND SPACING ARE SHOWN ON SHEETS 6 & 7. DIMENSIONS SHOWN FOR ANCHOR SPACING ARE ALWAYS FROM EDGE OF UNIT FRAME. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

5. THIS DOCUMENT SUPERCEDES OTHER ANCHOR INSTALLATION INSTRUCTIONS FOR NON-IMPACT RATED DOORS. FOR OTHER IMPORTANT INSTALLATION INSTRUCTIONS, REFER TO JELD-WEN DOCUMENT #J1106 (INSTALLATION INSTRUCTIONS FOR PRE-HUNG ENTRY DOORS) FOUND ON THE JELD-WEN WEBSITE: JELD-WEN.COM/LEARN/RESOURCES/INSTALLATION & FINISHING.

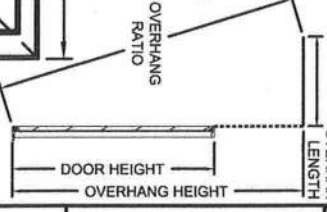
6. FLORIDA APPROVED SHUTTERS ARE NEEDED WHEN IMPACT PROTECTION IS REQUIRED.

7. INTEGRAL MULL POSTS & DOUBLE-BACK JAMBS ARE INTERCHANGEABLE. SEE SHEET 3 FOR MULLING INSTRUCTIONS.

8. ALL FASTENERS IN WOOD SHALL BE COUNTERSUNK 3/16" DEEP.
EXAMPLE: 3/16" →



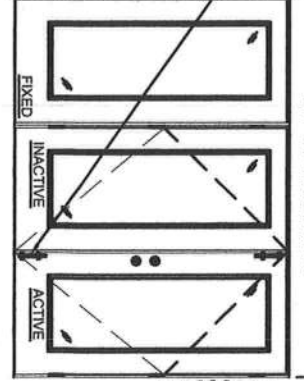
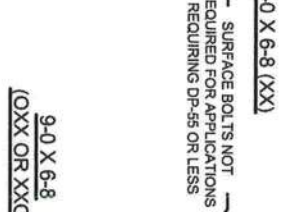
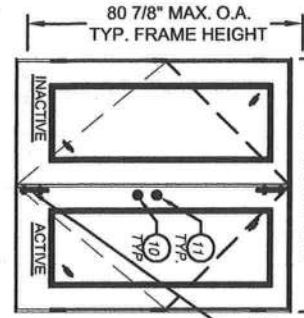
* NOTE: PRODUCT HAS NOT BEEN RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0



JELD-WEN
WINDOWS & DOORS
3737 Lakeport Blvd.
Klamath Falls, OR 97601
Phone: (541) 882-3451
Fax: (541) 850-2609

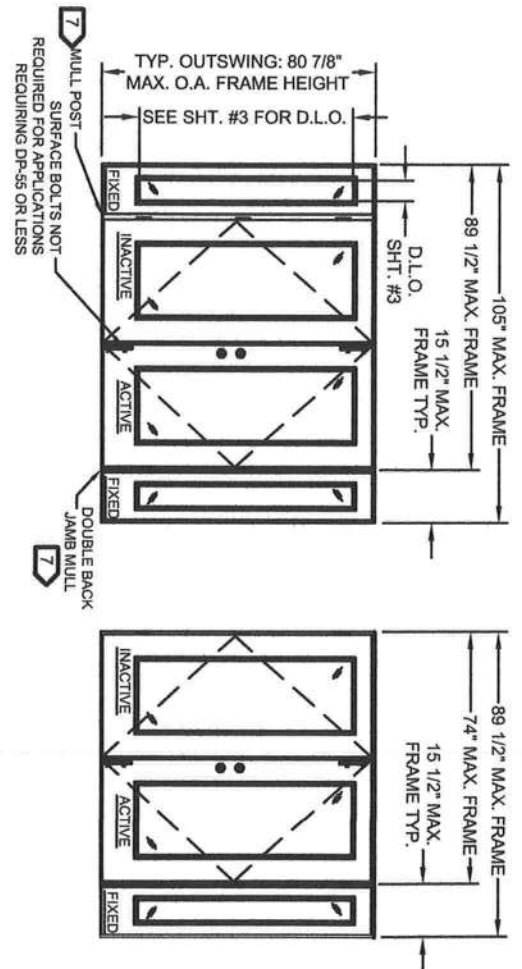
CONTOURS STEEL W.E. NON-IMPACT FULL LITE
DOOR: 12-0 X 6-8 MAXIMUM
PART OR ASSEMBLY
GENERAL NOTES, ELEVATIONS, DP RATINGS
AND B.O.M.

SHEET #	DESCRIPTION
1	GENERAL NOTES, B.O.M. & ELEVATIONS FOR 3-0 PANELS & SIDELITES
2	ELEVATIONS FOR 3-0 PANELS AND 1-2 SIDELITES
3	OUTSWING BOX MULLING DETAILS
4	OUTSWING VERTICAL AND HORIZONTAL SECTIONS IN WOOD
5	OUTSWING VERT. AND HORIZ. SECTIONS IN MASONRY/CONCRETE
6	ANCHORING DETAILS
7	

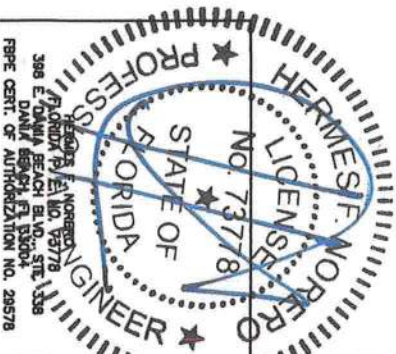
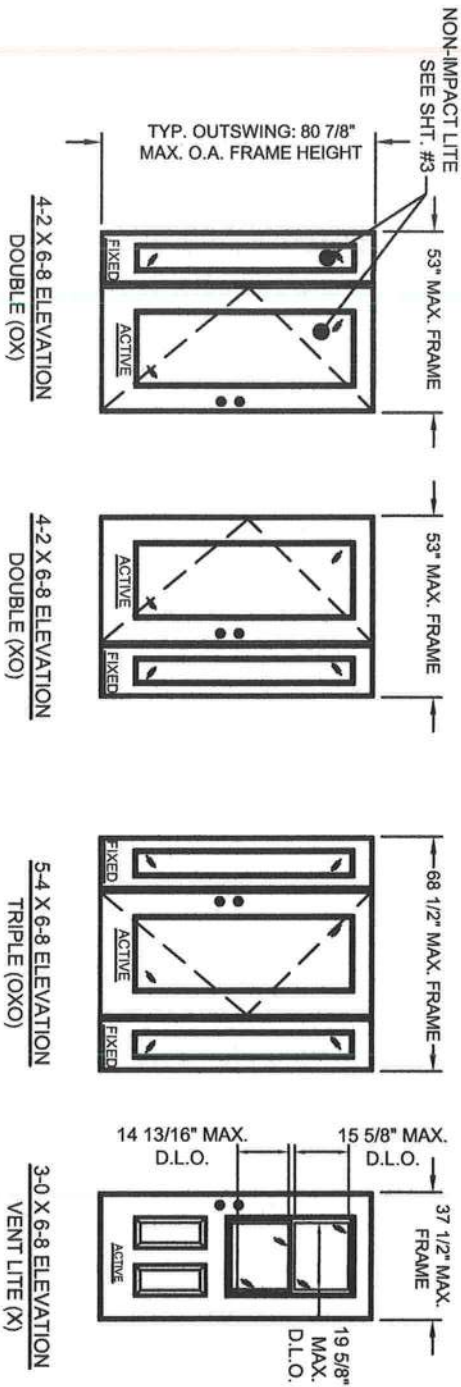


HERMES F. NORENO
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
NO. 73778
398 E. DANA BEACH BLVD., STE. 336
DANA BEACH, FL 33509
FPCB CERT. OF AUTHORIZATION NO. 28578

DATE: 12/20/2012
SCALE: NONE
CHK. BY: S.SAFELL
DNG. BY: G.LUBBECKE
DRAWING NO.: A008731
SHEET 1 OF 7



8-4 X 6-8 ELEVATION
DOUBLE DOOR W/ 1-2 SIDELITES (OXXO) DOUBLE DOOR W/ 1-2 SIDELITES (XXO OR OXX)



JELD-WEN
WINDOWS & DOORS

3737 Lakeport Blvd.
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Fax: (541) 850-2609

CONTOURS STEEL W.E. NON-IMPACT FULL LITE
DOOR: 12-0 X 6-8 MAXIMUM

PART OR ASSEMBLY

ELEVATIONS

DATE: 12/20/2012

SCALE: NONE

DWG. BY: G. LUBBECKE

CHK. BY: S. SAFFELL

DRAWING NO.:

A008731

SHEET 2 OF 7

6-#8 X 2"
PFH SCREW AT
EACH MULLION TYP.

APPLY DAP ALEX PLUS SILICONE
OR EQUIV. BETWEEN
JAMBS BEFORE MULLING

6" MAX. D.L.O.

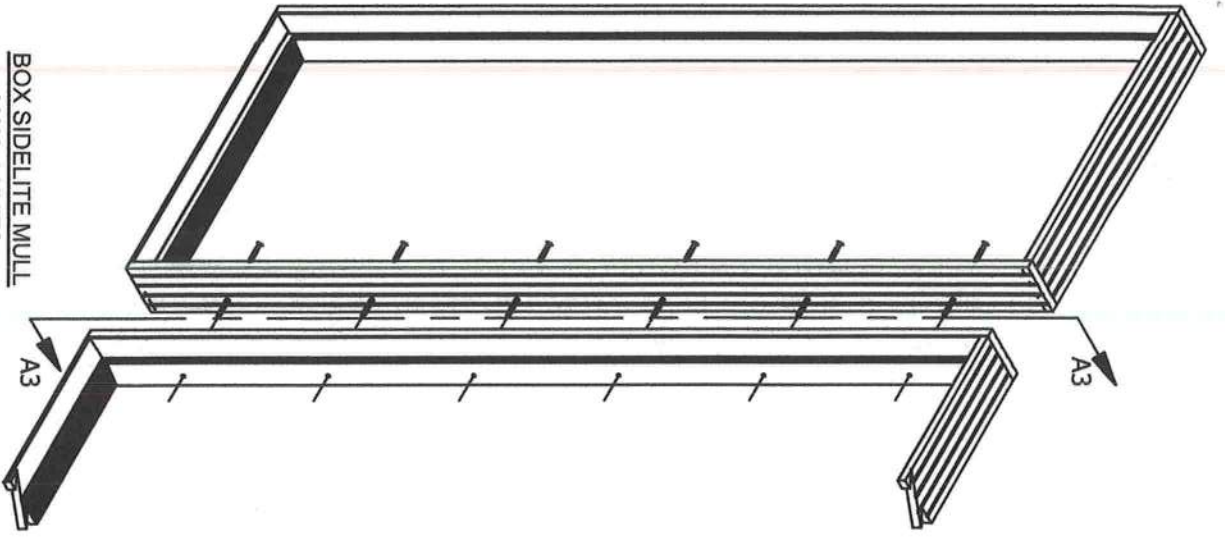
21" MAX. D.L.O.

1" MIN.

FIXED

ACTIVE

14 1/4" O.C.
TYP.
5" TYP.



BOX SIDELITE MULL
MAX. 4 UNITS
EXAMPLE: OXXO, OXO, OX

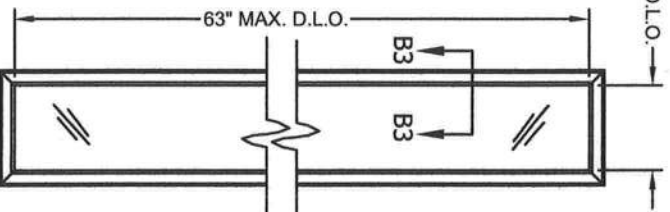
A3

A3

5" TYP.

DETAIL A3

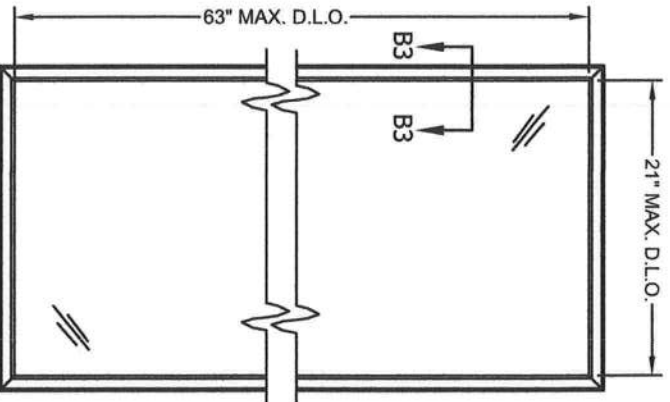
(6) FASTENER LOCATIONS AT
DOUBLE-BACK JAMB ATTACHMENT



63" MAX. D.L.O.

B3

B3



63" MAX. D.L.O.

B3

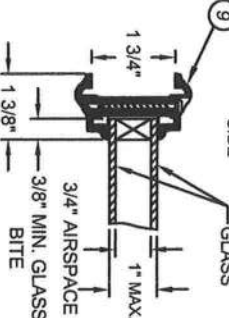
B3

ODL 1" O.A. NON-IMPACT
1-2 X 6-8 SHOWN

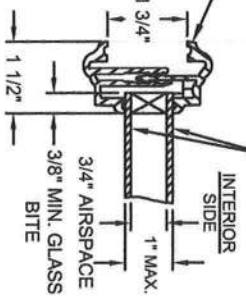
ODL 1" O.A. NON-IMPACT
3-0 X 6-8 SHOWN

INTERIOR
SIDE
GLASS
1/8" TEMPERED

INTERIOR
SIDE
GLASS
1/8" TEMPERED



1 3/4"
1 3/8"
3/4" AIRSPACE
3/8" MIN. GLASS
BITE
1" MAX.



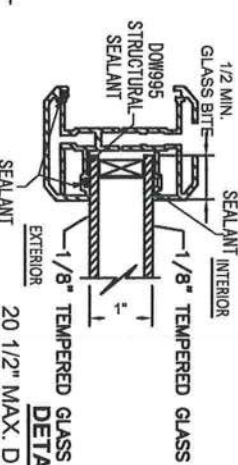
1 3/4"
1 1/2"
3/4" AIRSPACE
3/8" MIN. GLASS
BITE
1" MAX.

DETAIL B3

ODL NON-IMPACT GLAZING DETAIL

DETAIL B3

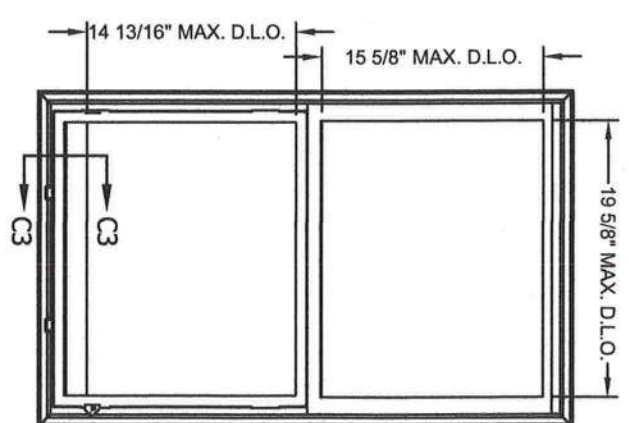
ODL SMART FRAME
NON-IMPACT GLAZING DETAIL



1/2" MIN.
GLASS BITE
DOWN95
STRUCTURAL
SEALANT
SEALANT
EXTERIOR
1/8" TEMPERED GLASS
1/8" TEMPERED GLASS
1/8"

DETAIL

20 1/2" MAX. D.L.O. WIDTH
62 5/8" MAX D.L.O. HEIGHT



14 13/16" MAX. D.L.O.

15 5/8" MAX. D.L.O.

19 5/8" MAX. D.L.O.

C3

C3

ODL 3/4" O.A. VENT LITE
NON-IMPACT

JELD-WEN
WINDOWS & DOORS

3737 Lakeport Blvd.
Klamath Falls, OR 97601
Phone: (541) 882-3451
Fax: (541) 850-2609

CONTOURS STEEL W.E. NON-IMPACT FULL LITE
DOOR: 12-0 X 6-8 MAXIMUM

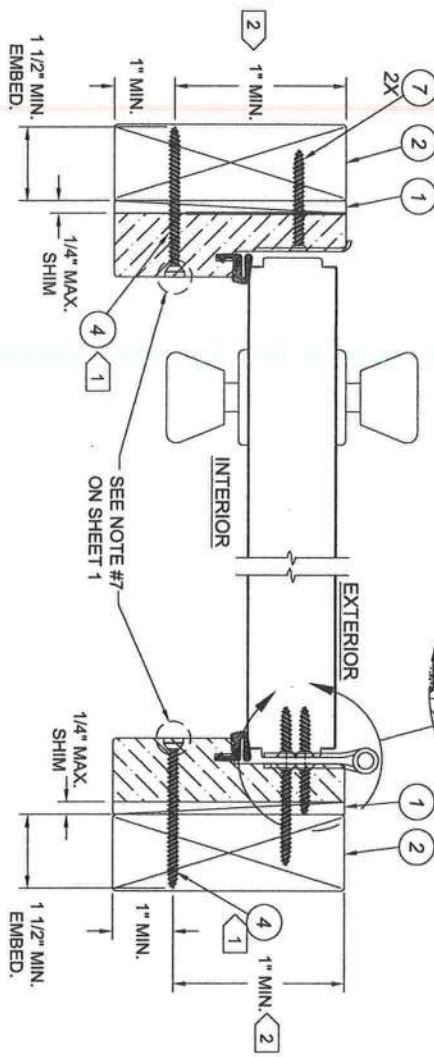
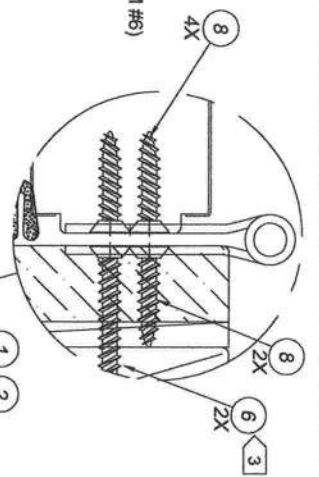
PART OR ASSEMBLY

MULLING DETAILS AND GLAZING OPTIONS



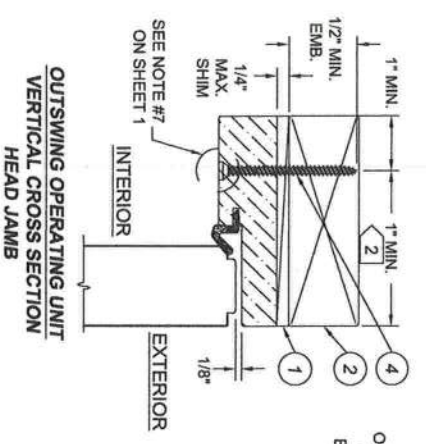
DATE: 12/20/2012
CHK BY: S.SAFFELL
DWG BY: G.LUBBECKE
SCALE: NONE
DRAWING NO.: A008731
SHEET 3 OF 7

HINGE DETAIL:
 TOP = 6 SCREWS (ITEM #8), 2 SCREWS (ITEM #6)
 CENTER = 8 SCREWS (ITEM #8)
 BOTTOM = 8 SCREWS (ITEM #8)

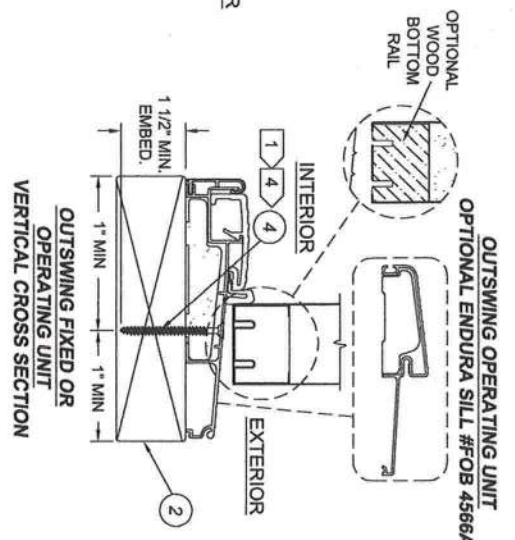


OUTSWING LATCH JAMB AT FRAME
 HORIZONTAL CROSS SECTION

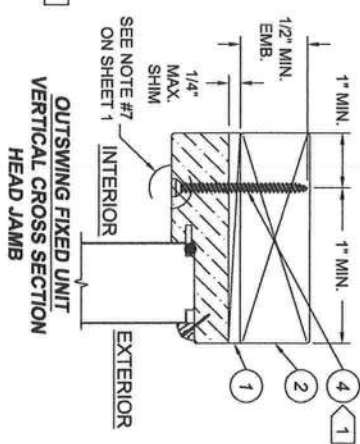
OUTSWING HINGE JAMB AT FRAME
 HORIZONTAL CROSS SECTION



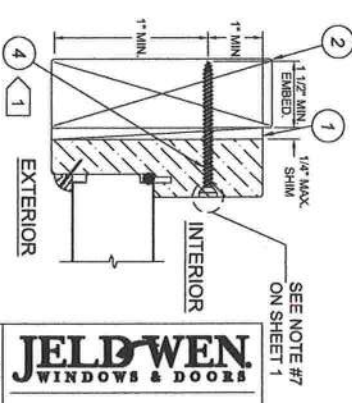
OUTSWING OPERATING UNIT
 VERTICAL CROSS SECTION
 HEAD JAMB



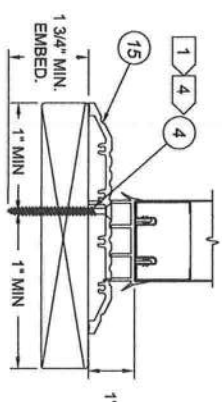
OUTSWING OPERATING UNIT
 VERTICAL CROSS SECTION



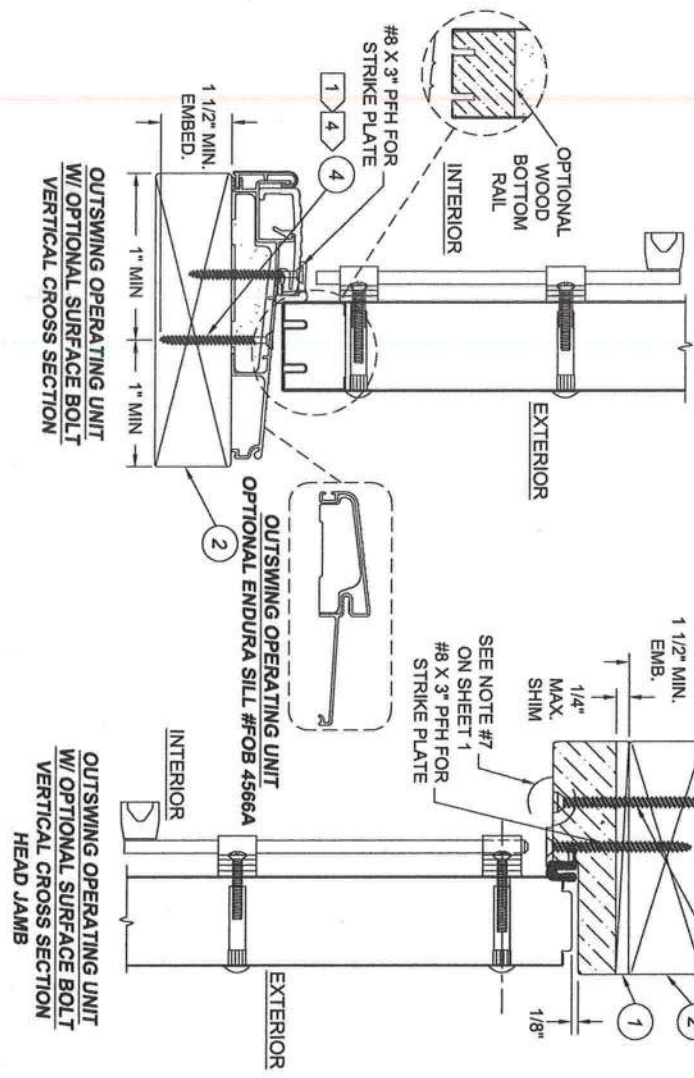
OUTSWING FIXED UNIT
 VERTICAL CROSS SECTION
 HEAD JAMB



FIXED UNIT
 HORIZONTAL CROSS SECTION
 OUTSWING SHOWN

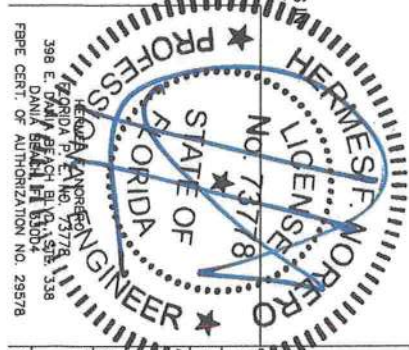


OPERATING UNIT
 VERTICAL CROSS SECTION
 ADA SILL



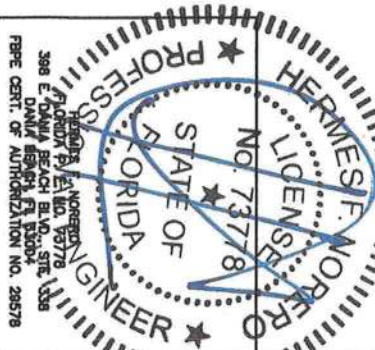
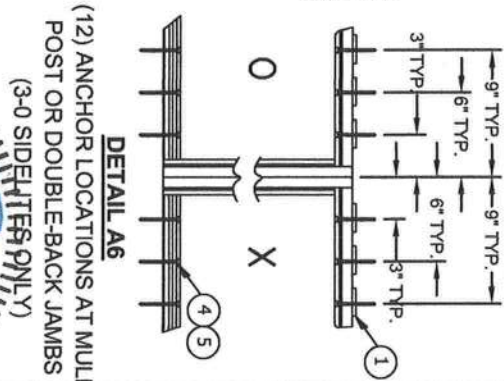
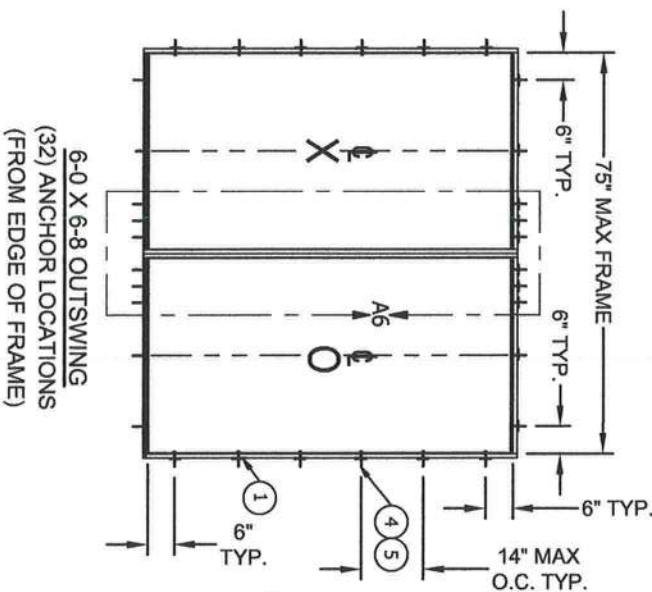
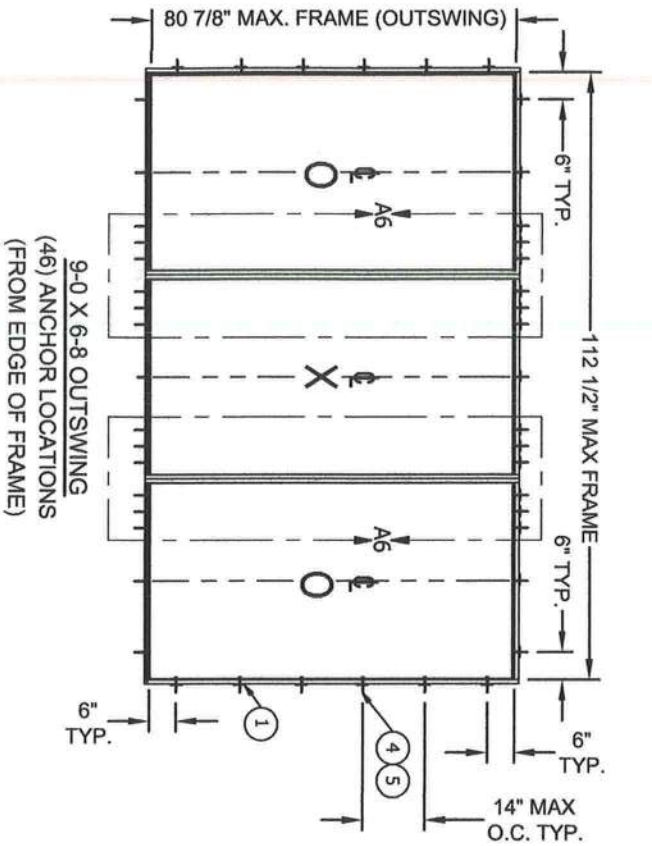
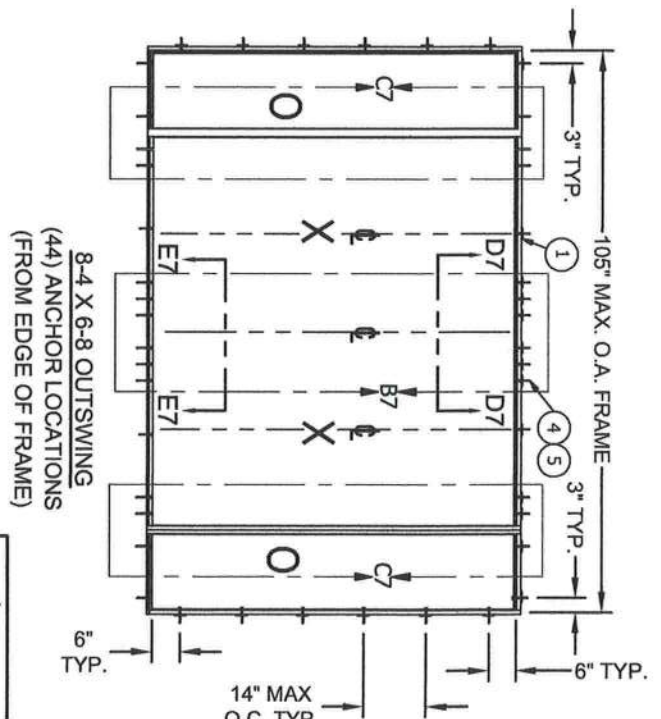
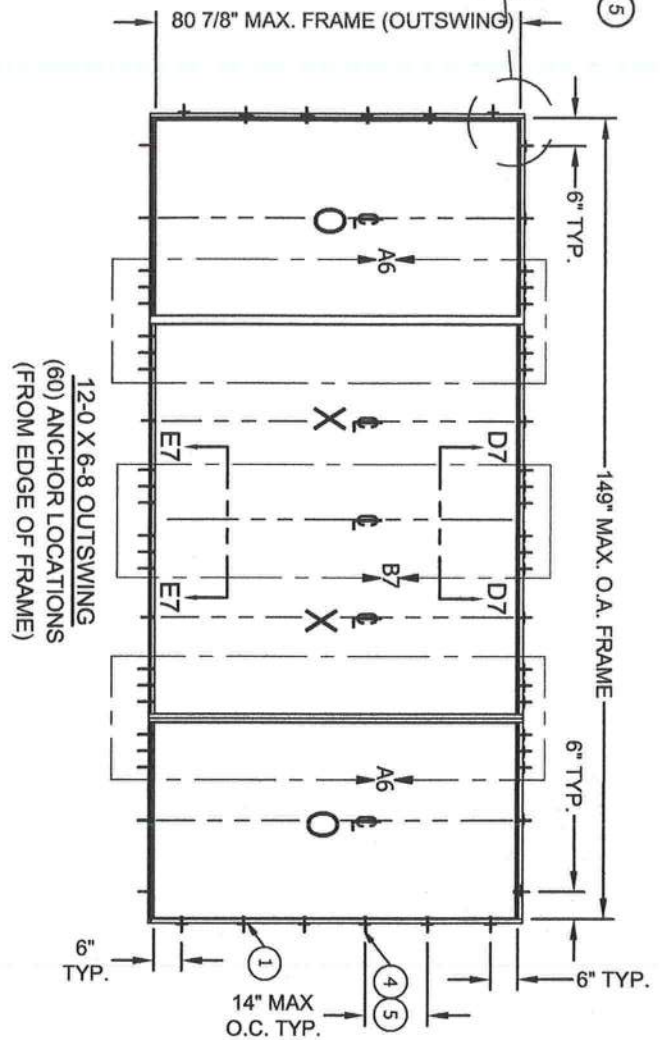
OUTSWING OPERATING UNIT
 W/ OPTIONAL SURFACE BOLT
 VERTICAL CROSS SECTION
 HEAD JAMB

- NOTES:
- 1 FOR PLACEMENT OF 1/2" TAPCON ANCHORS 2X BUCK OR 1X BUCK CONCRETE/MASONRY OPENINGS, SEE SHEET 5
 - 2 OPTIONALLY, ANCHOR CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.
 - 3 ITEM #6, #9 X 2 1/2" TWO SCREWS TO BE INSTALLED IN TOP HINGE AT JOB SITE, CLOSEST TO WEATHERSTRIP.
 - 4 AT SILL, PLACE ANCHOR IN SILL BASE MATERIAL, END MAXIMUM CRIMP DIST.

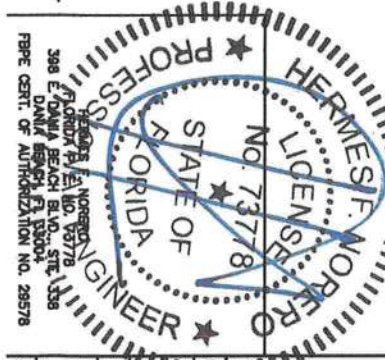
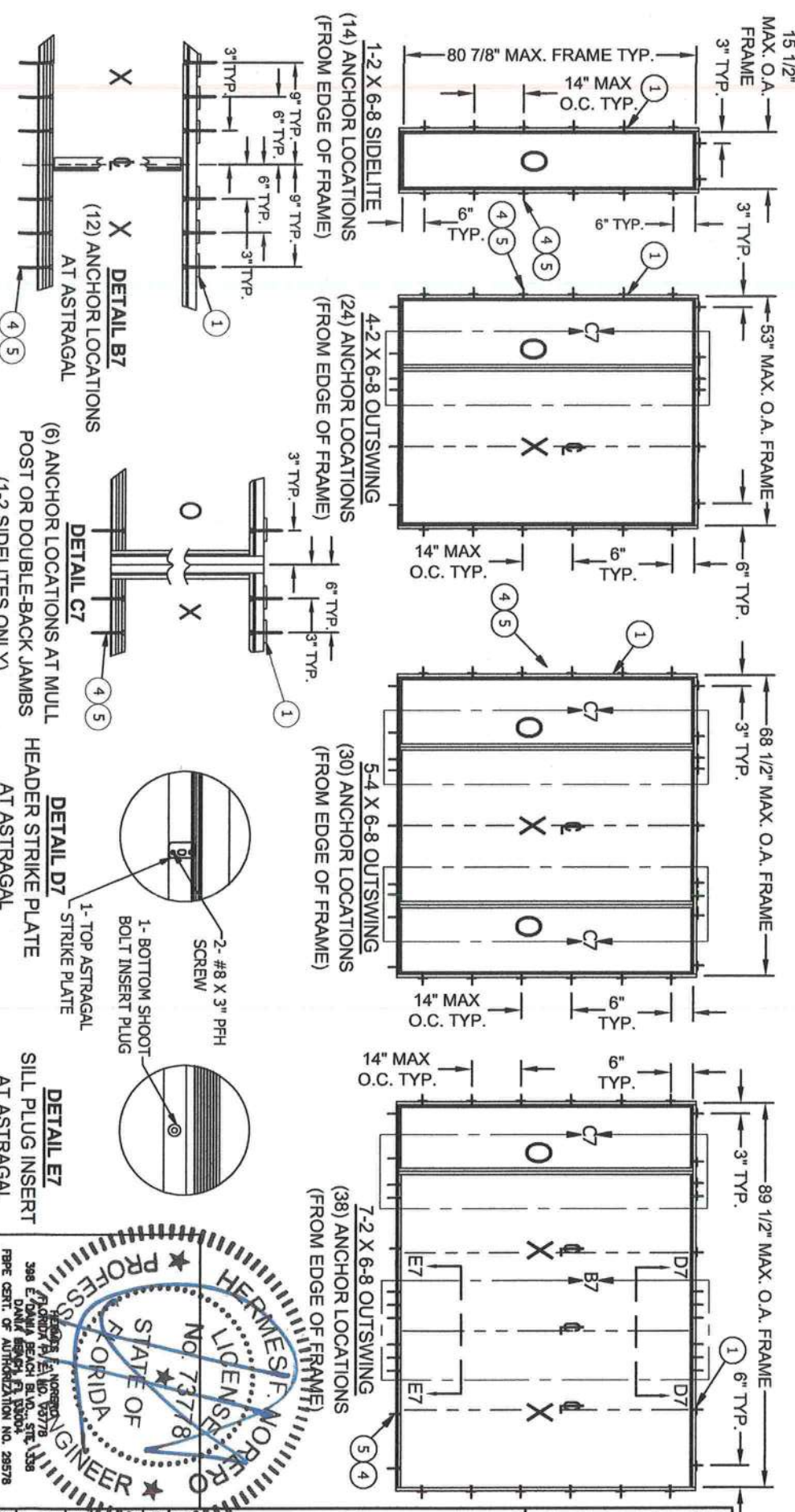
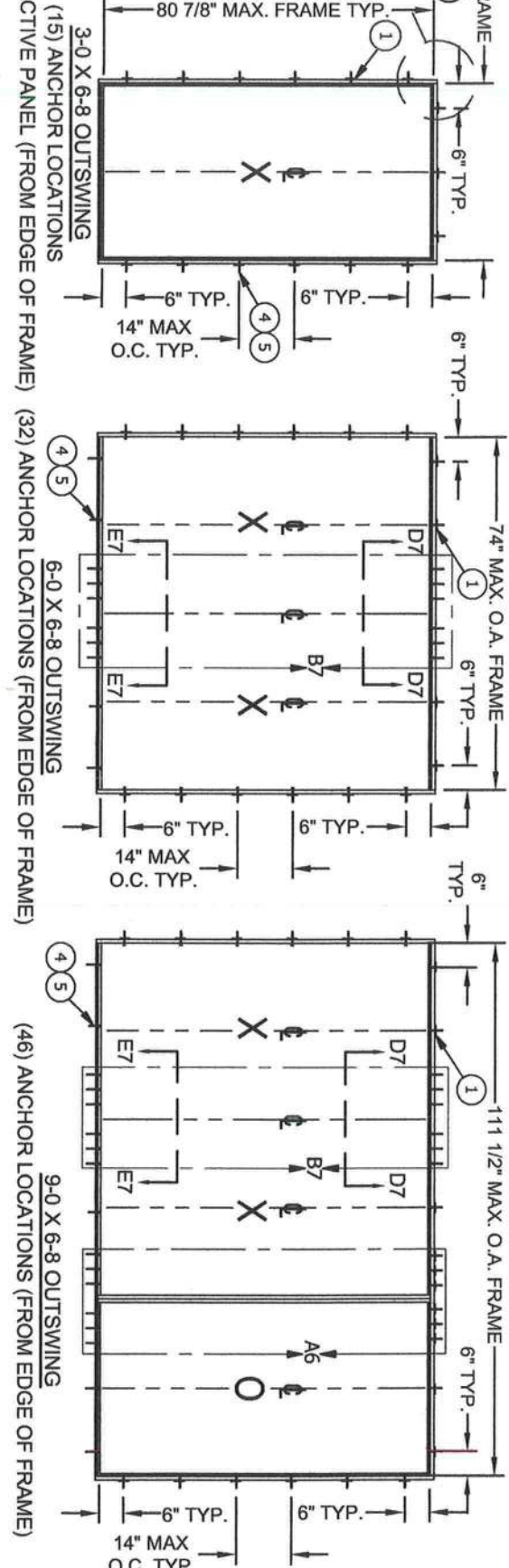
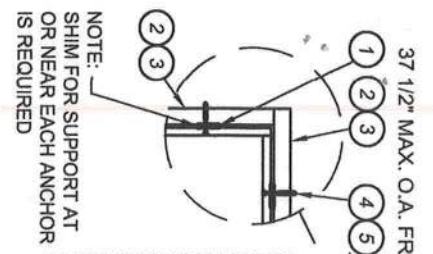


CONTOURS STEEL W.E. NON-IMPACT FULL LITE	3737 Lakeport Blvd.
DOOR: 12-0 X 6-8 MAXIMUM	Klamath Falls, OR 97601
PART OR ASSEMBLY	Phone: (541) 882-3451
OUTSWING VERTICAL AND HORIZONTAL SECTIONS	Fax: (541) 850-2609
IN WOOD	
DATE: 12/20/2012	
BY: NONE	
CHECKED BY: S. SAFFELL	
DRAWING NO.: A008731	
SHEET 4 OF 7	

NOTE: SHIM FOR SUPPORT AT OR NEAR EACH ANCHOR IS REQUIRED



JELD-WEN WINDOWS & DOORS 3737 Lakeport Blvd. Klamath Falls, OR 97601 Phone: (541) 882-3451 Fax: (541) 850-2609		CONTOURS STEEL W.E. NON-IMPACT FULL LITE DOOR: 12-0 X 6-8 MAXIMUM PART OR ASSEMBLY OUTSWING ANCHORING DETAILS
DRAWING NO.: A008731	DATE: 12/20/2012 SCALE: NONE DESIGNED BY: G. LUBBECKE CHECKED BY: S. SAFFELL	SHEET 6 OF 7



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 OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT
- SHIM(S) REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION THROUGH THE FRAME INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH THE NAILING FLANGE INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION THROUGH THE FRAME INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- FOR INSTALLATION THROUGH THE NAILING FLANGE INTO METAL STUD OR APPROVED MULLION USE #8 GR. 5 SELF TAPPING SCREWS 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.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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.
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - GROUT-FILLED CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").

ATRIUM CORPORATION

SERIES 5700/105/8050/3050/5/900/1050 SINGLE HUNG WINDOW



SERIES 5700/105/8050/3050/5/900/1050
SINGLE HUNG WINDOW
INSTALLATION
AND GENERAL NOTES
PREPARED BY:
BUILDING DROPS, INC.
308 E. DANIA BEACH BLVD., STE. 308
DANIA BEACH, FL 33004
PH: (954)939-8478
FAX: (954)939-8478
WWW.BUILDINGDROPS.COM



DATE: 10.03.17
BY: AG
REMARKS: A-FBC 2017 CODE CHANGE

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Digitally signed by Heriberto F. Noreno, P.E.
Reason: I am approving this document
Date: 2017.10.03 17:00:00 -0400



HERIBERTO F. NORENO, P.E.
LICENSED PROFESSIONAL ENGINEER
BUILDING DROPS, INC.
308 E. DANIA BEACH BLVD., STE. 308
DANIA BEACH, FL 33004
PH: (954)939-8478
FAX: (954)939-8478
FIBC CERT. OF AUTHORIZATION No. 28578

FL #: FL20100

DATE: 10.03.17
DWG. BY: AR/AG
CHK. BY: HFN

SCALE: NTS
DWG. #: ATR114

SECTION:

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION & GENERAL NOTES
2	A	ELEVATIONS
3	A	ANCHOR LAYOUTS
4	A	NAIL FIN SECTIONS
5	A	THROUGH FRAME SECTIONS
6	A	MULLIONS, MEETING RAIL & GLAZING DETAILS

TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIG.	GLAZING METHOD	INSTALL. METHOD	MISSILE IMPACT RATING
WIDTH	HEIGHT					
108"	84"	+/- 35 PSF	O/X/O/X/O/X (EQUAL)	WET GLAZE	THROUGH FRAME OR NAIL FIN	NON-IMPACT
108"	72"	+/- 50 PSF	O/X/O/X/O/X (EQUAL)			
96"	72"	+/- 35 PSF	O/X/O/X (EQUAL)			
84"	84"	+/- 35 PSF	O/X/O/X (EQUAL)			
48"	96"	+/- 25 PSF	O/X (ORIEL)	TAPE GLAZE		
48"	84"	+/- 35 PSF	O/X (EQUAL)			
44"	96"	+/- 35 PSF	O/X (ORIEL)			
36"	96"	+/- 50 PSF	O/X (ORIEL)			
48"	96"	+/- 25 PSF	O/X (ORIEL)	TAPE GLAZE		
48"	84"	+/- 35 PSF	O/X (EQUAL)			
44"	96"	+/- 30 PSF	O/X (ORIEL)			
36"	96"	+/- 50 PSF	O/X (ORIEL)			

NOTE: SEE SHEET 6 FOR GLAZING METHODS



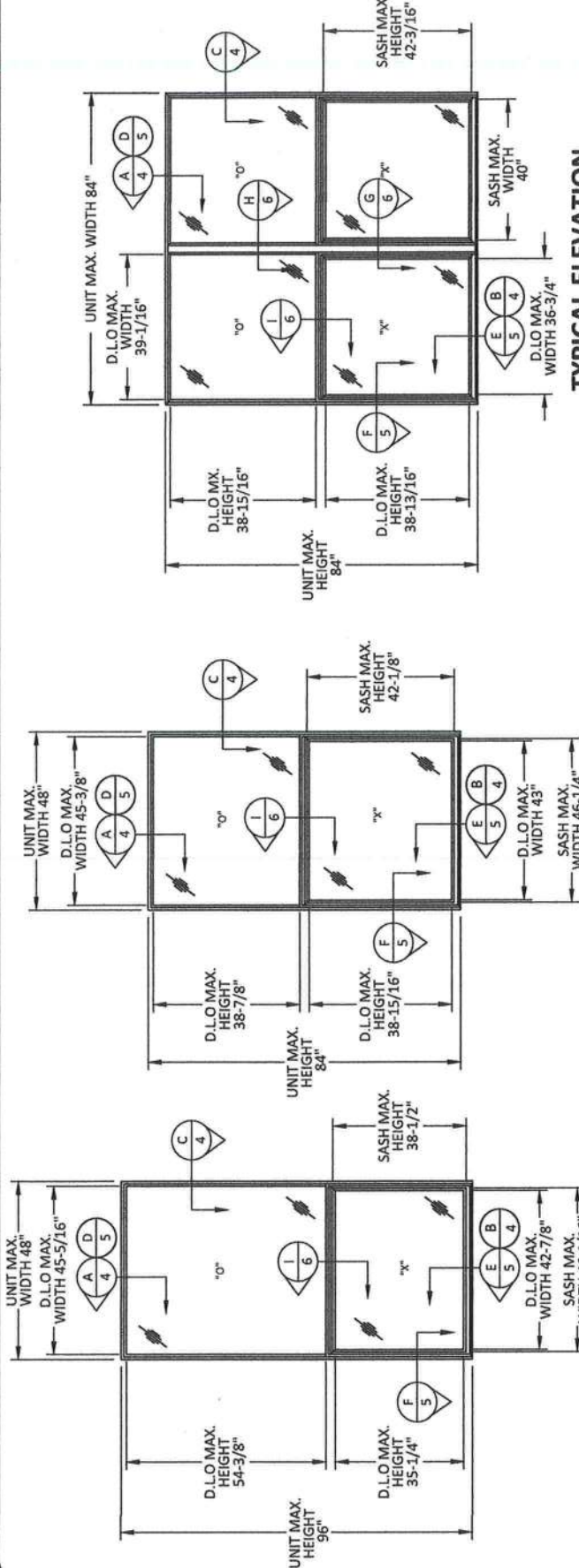
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HERMES F. NORERO, P.E.
350 E. DAWA BEACH BLVD., STE. 330
DALLAS, TEXAS 75204
FPE CERT. OF AUTHORIZATION No. 28570

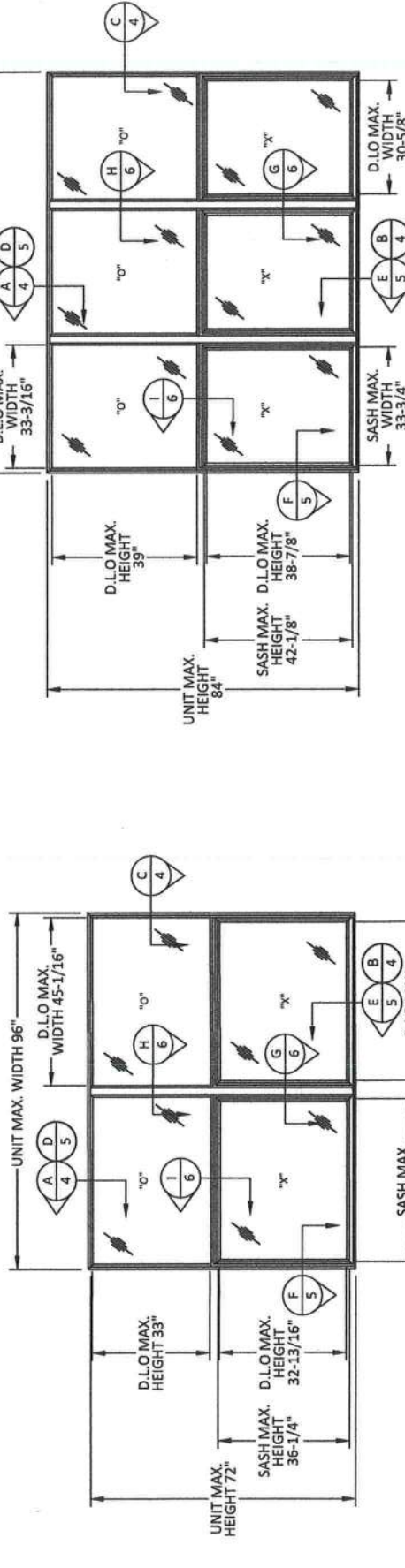
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SCALE:	NTS
DWG. #:	ATR114
SECTION:	



TYPICAL ELEVATION
SINGLE HUNG (ORIEL)

TYPICAL ELEVATION
SINGLE HUNG (EQUAL LITE)

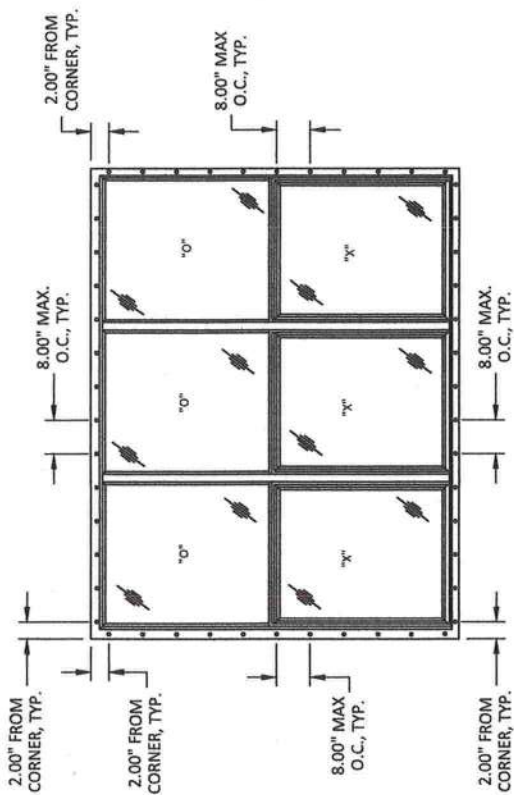
TYPICAL ELEVATION
TWIN SINGLE HUNG (EQUAL LITE)



TYPICAL ELEVATION
SINGLE HUNG (ORIEL)

TYPICAL ELEVATION
SINGLE HUNG (EQUAL LITE)

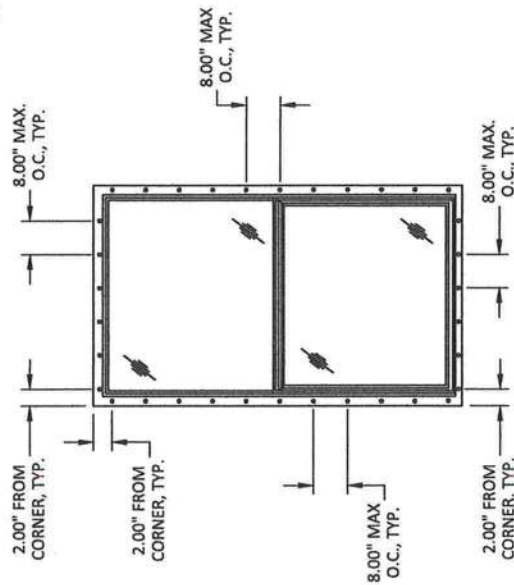
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TWIN SINGLE HUNG (EQUAL LITE)



TYPICAL ANCHOR LAYOUT

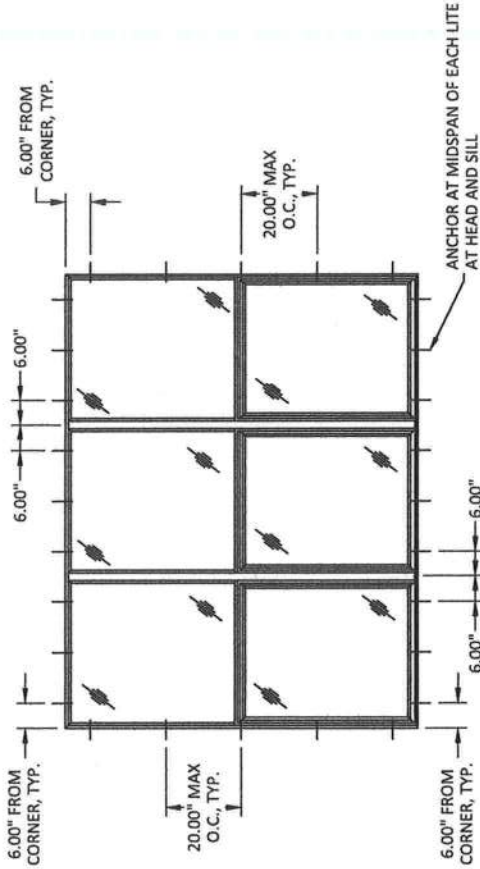
NAIL FIN

NOTE:
ANCHOR LAYOUTS SHOWN ABOVE
FOR TRIPLE UNITS SHALL APPLY TO
TWIN UNITS



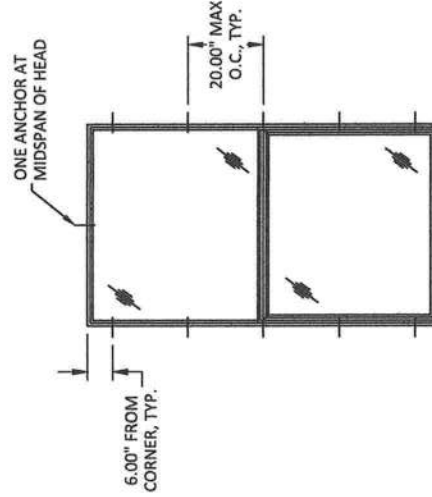
TYPICAL ANCHOR LAYOUT

NAIL FIN



TYPICAL ANCHOR LAYOUT

THROUGH FRAME



TYPICAL ANCHOR LAYOUT

THROUGH FRAME

NOTE:
NO ANCHORS REQUIRED AT SILL
FOR INDIVIDUAL SINGLE HUNG
WINDOWS



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HERMES F. NORERO, P.E.
LICENSED PROFESSIONAL ENGINEER
NO. 73778
STATE OF FLORIDA
308 E. DANIA BEACH BLVD., STE. 308
DANIA BEACH, FL 33004
PHONE: (954) 994-4738
FAX: (954) 994-4738
E-MAIL: H.NORERO@BUILDINGDROPS.COM
FIRE CODE: OF AUTHORIZATION No. 28578

FL #: **FL20100**

DATE: **10.03.17**

DWG. BY: **AR/AG** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ATR114**

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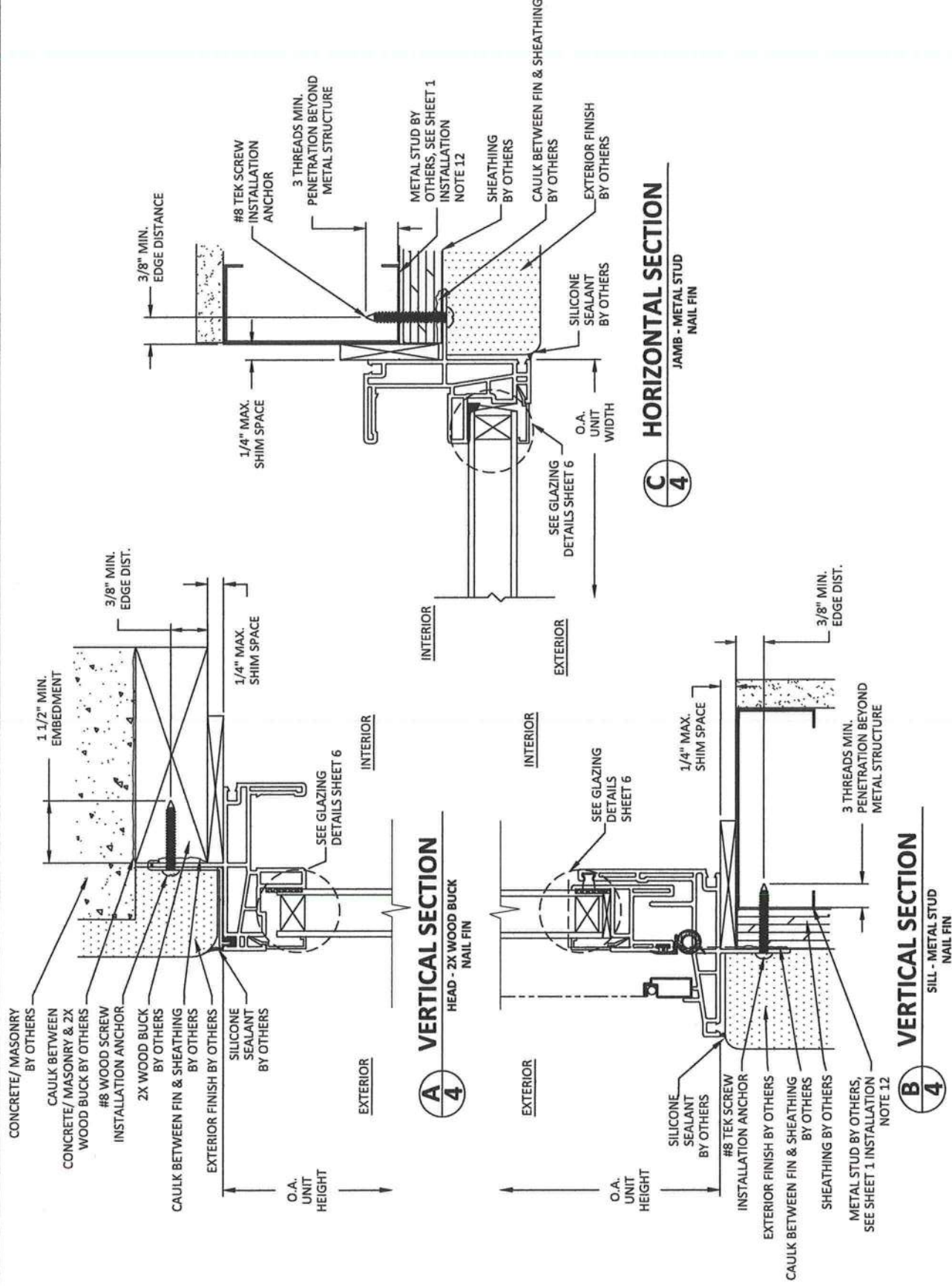
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HERMES F. NORERO
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 73778
HERMES F. NORERO, P.E.
10000 N. W. 11TH AVE.
SUITE 100
DANIA BEACH, FL 33004
3308 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PHONE: (954) 724-4738
FAX: (954) 724-4738
E-MAIL: hnorero@buildingdrops.com
FIRE CERT. OF AUTHORIZATION No. 28578

FL #: **FL20100**
DATE: **10.03.17**
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SECTION:

4

OF 6





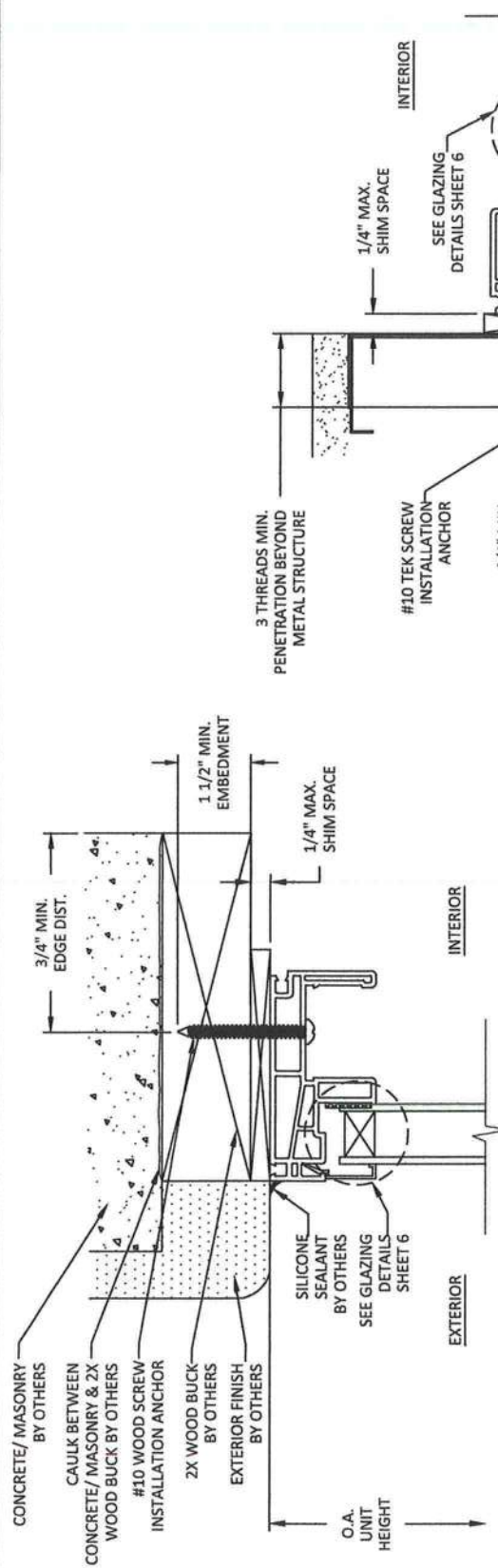
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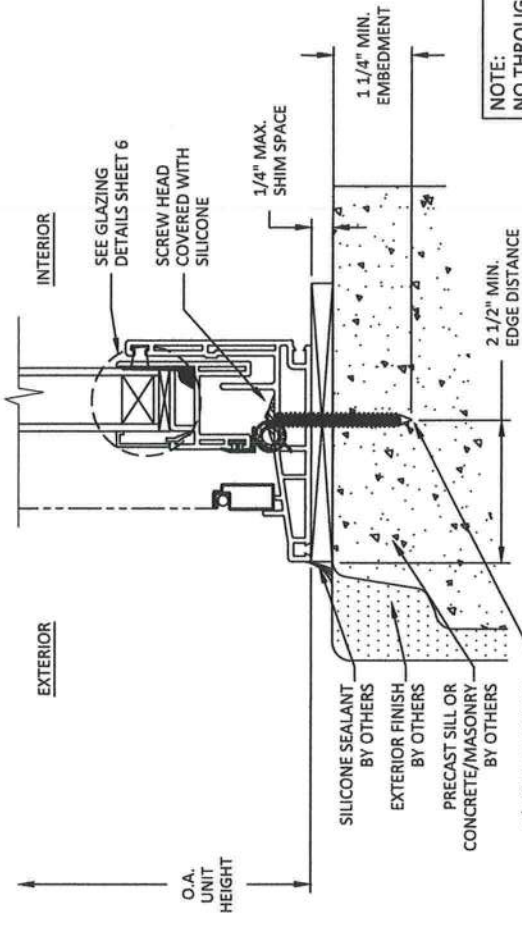
HERMES F. NORERO
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 73778
FLORIDA PROFESSIONAL ENGINEERING BOARD
308 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)393-6478 FAX: (954)374-4738
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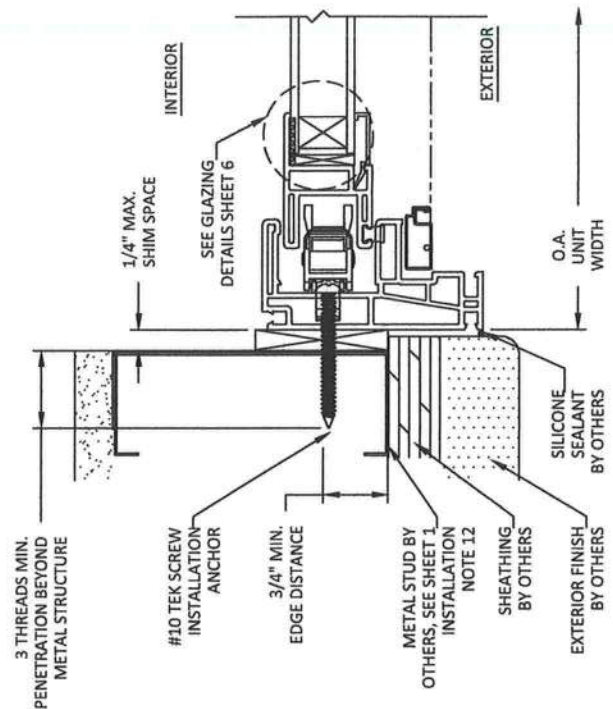
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OF 6



D **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME



E **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH FRAME



F **HORIZONTAL SECTION**
JAMB - METAL STUD
THROUGH FRAME

NOTE:
NO THROUGH FRAME ANCHORS
REQUIRED AT SILL FOR INDIVIDUAL
SINGLE HUNG WINDOWS

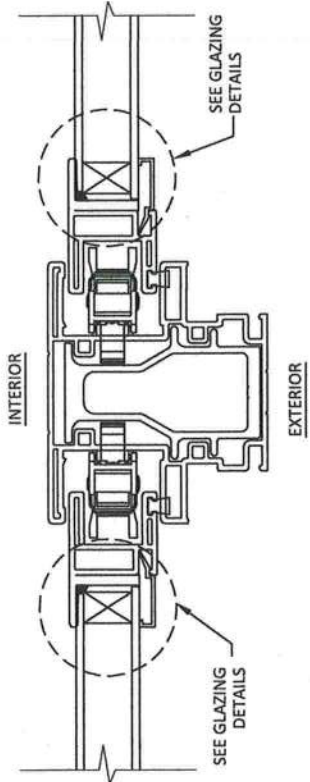
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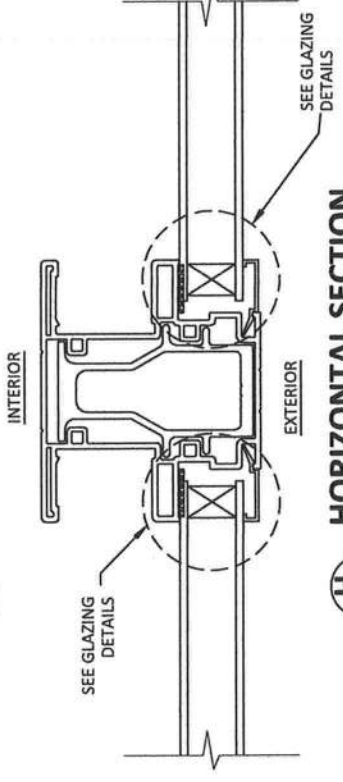


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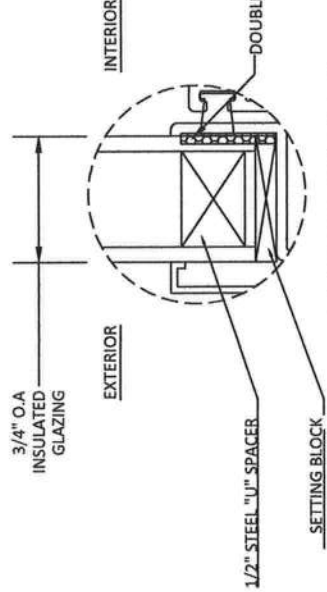
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G HORIZONTAL SECTION
VERTICAL MULLION AT SASH

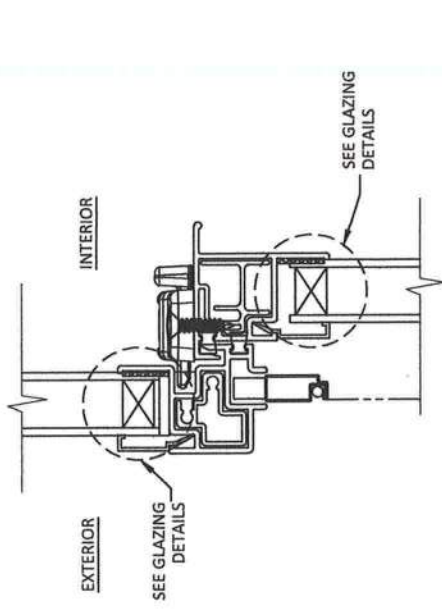


H HORIZONTAL SECTION
VERTICAL MULLION AT FIXED LITE

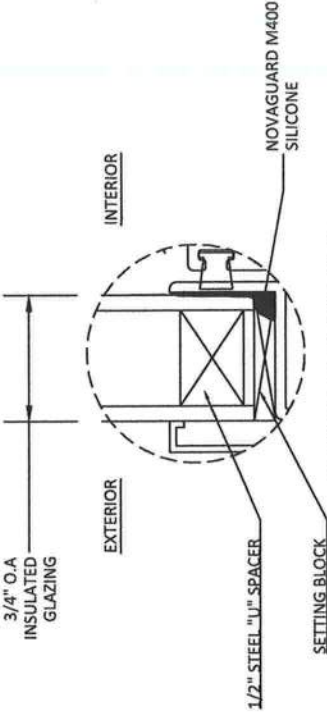


GLAZING DETAIL 1
TAPE GLAZE

NOTE:
GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 REQUIREMENT GLASS CHARTS.



1 VERTICAL SECTION
MEETING RAIL



GLAZING DETAIL 2
WET GLAZE

GP Vinyl Siding

HR Engineering, Inc.

CLIENT:

PLYGEM / GEORGIA-PACIFIC

REV. 12 NOV. 2010

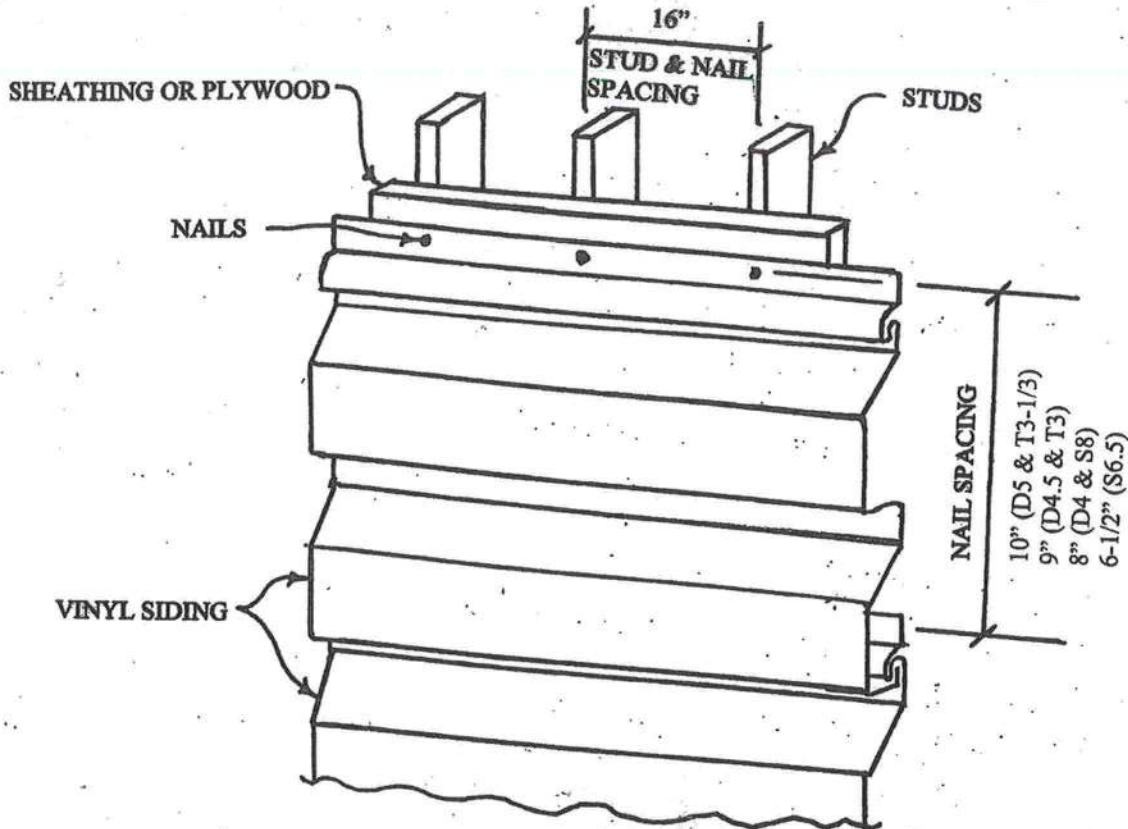
DATE: 20 JAN. 2012

BY: A. REEVES

PROJECT NO. 11120001

SHEET 1 OF 7

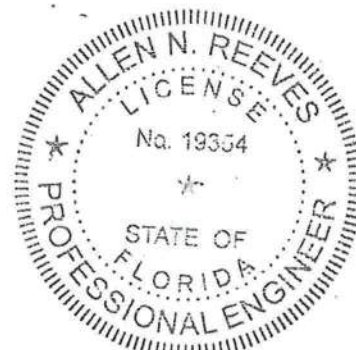
PROJECT NAME: VINYL SIDING INSTALLATION



PLYGEM / GEORGIA-PACIFIC VINYL SIDING INSTALLATION

GENERAL NOTES

1. NAILS ARE GALVANIZED STEEL ROOFING NAILS, 1-1/2" LONG, WITH 1/8" DIAMETER SHANKS, AND 3/8" DIAMETER HEADS.
2. ALL STUDS MUST HAVE NAILS IN THEM AND ALL NAILS MUST BE IN STUDS.
3. SHEATHING MUST BE NAILABLE WITH A MINIMUM THICKNESS OF 7/16" AND PLYWOOD MUST BE A MINIMUM OF 7/8" THICK.
4. FOR ALLOWABLE DESIGN WIND LOADS ON VINYL SIDING USING THIS INSTALLATION PROCEDURE, SEE EVALUATION REPORT FOR PLYGEM / GEORGIA-PACIFIC SIDING.
5. THE INSTALLATION DETAILS SHOWN ON THIS DRAWING ARE IN CONFORMANCE WITH FLORIDA BUILDING CODE 2010, PARAGRAPHS 1404.9 AND 1405.14; PLUS FLORIDA RESIDENTIAL CODE 2010, PARAGRAPH 703.11.



Allen N. Reeves
20 Nov. 2010

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

HR Engineering, Inc.

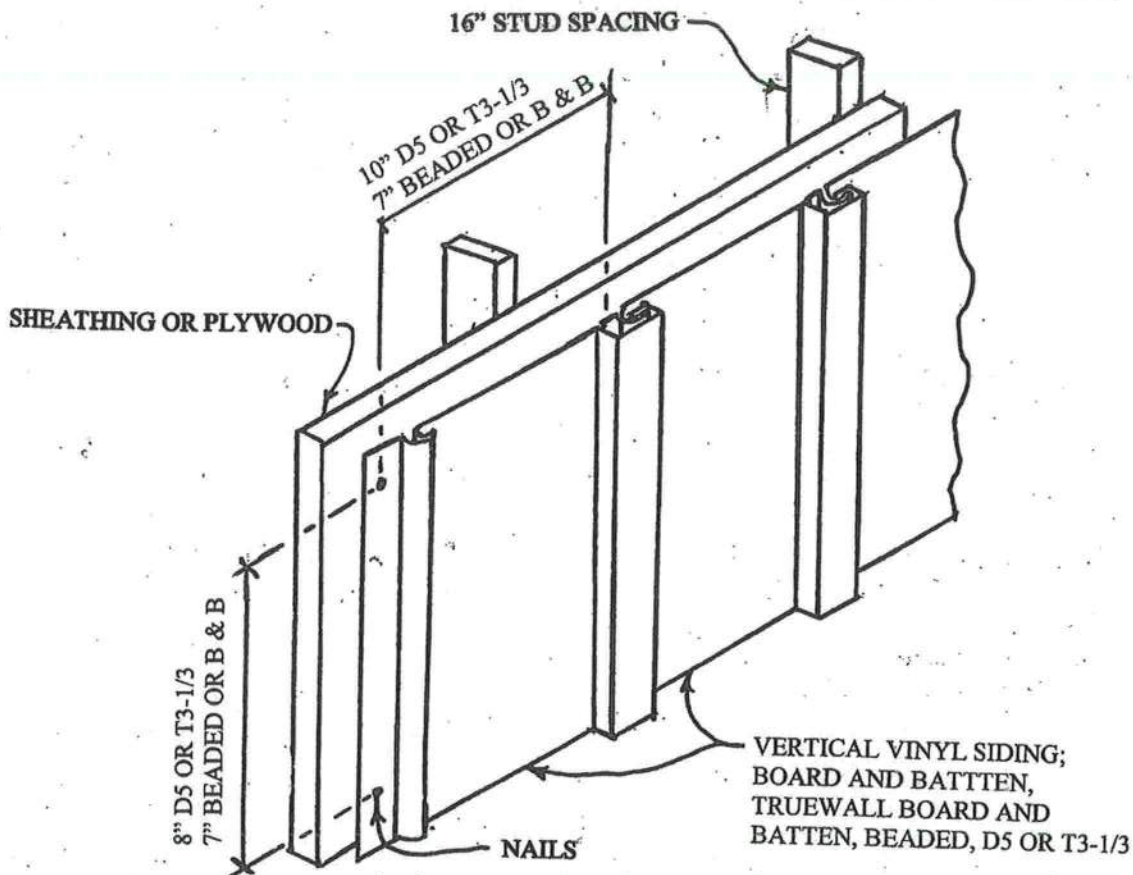
CLIENT: **PLYGEM / GEORGIA-PACIFIC**

REV. ~~17~~ **NOV. 2020**
DATE: **20 JAN. 2012**

BY: **A. REEVES**

~~20050000~~
PROJECT NO. **11120001** SHEET **2** OF **7**

PROJECT NAME: **VINYL SIDING INSTALLATION**



PLYGEM / GEORGIA-PACIFIC VERTICAL VINYL SIDING INSTALLATION

GENERAL NOTES

1. NAILS ARE GALVANIZED STEEL ROOFING NAILS, 1-1/2" LONG, WITH 1/8" DIAMETER SHANKS, AND 3/8" DIAMETER HEADS.
2. STUDS ARE NOT REQUIRED TO HAVE NAILS IN THEM. NAILS MUST PENETRATE THE SHEATHING OR PLYWOOD ONLY.
3. SHEATHING MUST BE NAILABLE WITH A MINIMUM THICKNESS OF ~~3/4~~ **7/8**, AND PLYWOOD MUST BE A MINIMUM OF ~~7/8~~ **1** THICK.
4. FOR ALLOWABLE DESIGN WIND LOADS ON VINYL SIDING USING THIS INSTALLATION PROCEDURE, SEE EVALUATION REPORT FOR PLYGEM / GEORGIA-PACIFIC SIDING.
5. THE INSTALLATION DETAILS SHOWN ON THIS DRAWING ARE IN CONFORMANCE WITH FLORIDA BUILDING CODE **2012** PARAGRAPHS 1404.9 AND 1405.14; PLUS FLORIDA RESIDENTIAL CODE **2012** PARAGRAPH 703.11.



Allen N. Reeves
20 NOV. 2020

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

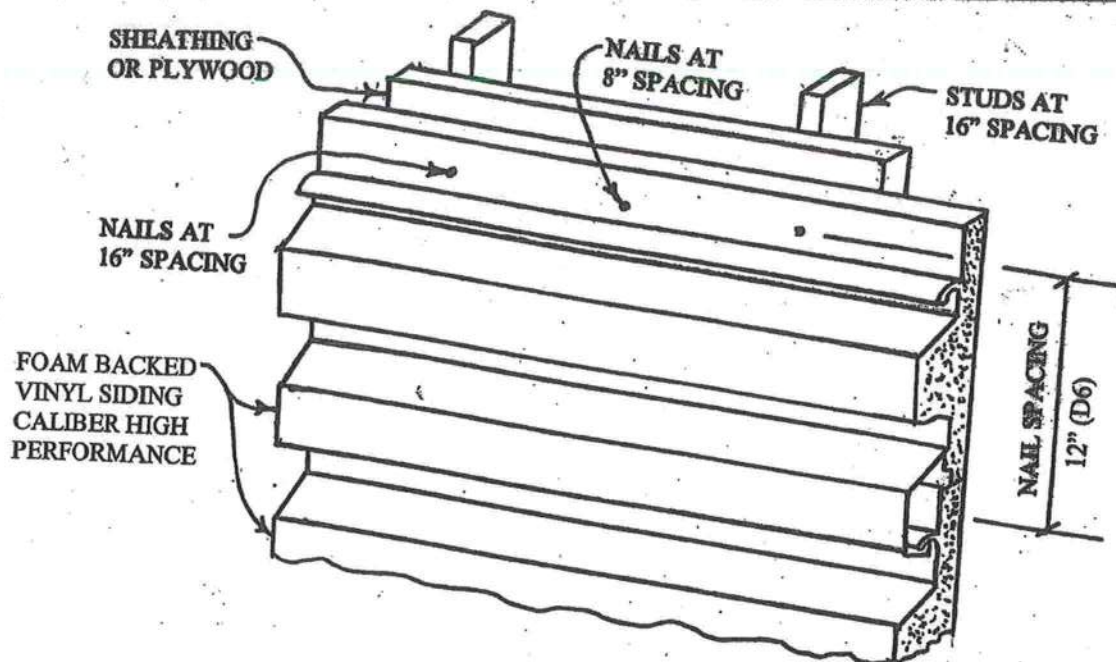
HR Engineering, Inc.

CLIENT: PLYGEM / GEORGIA-PACIFIC

REV. 17 NOV. 2020
DATE: 20 JAN. 2012

BY: A. REEVES

PROJECT NO. 20050004-11120001 SHEET 3 OF 7
PROJECT NAME: VINYL SIDING INSTALLATION



PLYGEM / GEORGIA-PACIFIC FOAM BACKED VINYL SIDING INSTALLATION

GENERAL NOTES

1. NAILS ARE GALVANIZED STEEL ROOFING NAILS, 1-1/2" LONG, WITH 1/8" DIAMETER SHANKS, AND 3/8" DIAMETER HEADS.
2. ALL STUDS MUST HAVE NAILS IN THEM AND ALL NAILS MUST BE IN STUDS, WITH THE SINGLE EXCEPTION OF D6 WITH 8" NAIL SPACING, WHICH HAS 1/2 OF NAILS IN STUDS.
3. NAILABLE SHEATHING AND PLYWOOD MUST BE A MINIMUM OF 3/8" THICK, EXCEPT FOR D6 WITH 16" NAIL SPACING, WHICH MUST BE A MINIMUM OF 1/2" THICK.
4. ALLOWABLE DESIGN WIND LOADS ARE; +/-61.7 PSF ON D6 WITH 16" NAIL SPACING OR +/-95.7 PSF WITH 8" NAIL SPACING.
5. THE INSTALLATION DETAILS SHOWN ON THIS DRAWING ARE IN CONFORMANCE WITH FLORIDA BUILDING CODE 2009, PARAGRAPHS 1404.9 AND 1405.14; PLUS FLORIDA RESIDENTIAL CODE 2020, PARAGRAPH 703.11.



Allen N. Reeves
20 NOV. 2020

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

HR Engineering, Inc.

CLIENT: **PLYGEM / GEORGIA-PACIFIC**

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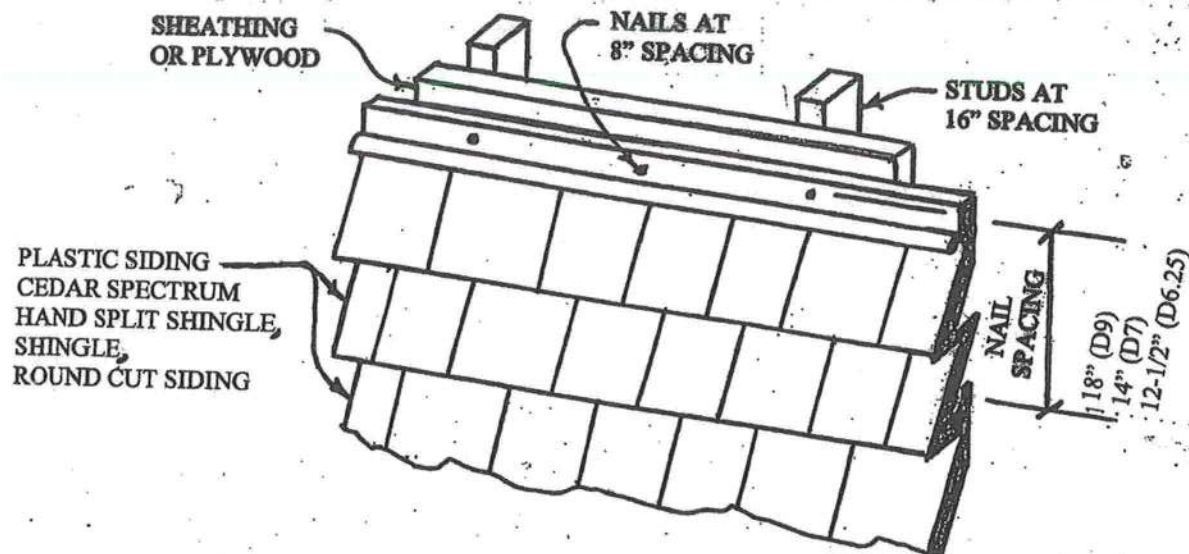
DATE: 20 JAN. 2012

BY: **A. REEVES**

20050004

PROJECT NO. 11120001 SHEET 4 OF 7

PROJECT NAME: **VINYL SIDING INSTALLATION**



PLYGEM / GEORGIA-PACIFIC PLASTIC SIDING
INSTALLATION

GENERAL NOTES

1. NAILS ARE GALVANIZED STEEL ROOFING NAILS, 1-1/2" LONG, WITH 1/8" DIAMETER SHANKS, AND 3/8" DIAMETER HEADS.
2. ALL STUDS MUST HAVE NAILS IN THEM AND 1/2 OF ALL NAILS MUST BE IN STUDS.
3. NAILABLE SHEATHING AND PLYWOOD MUST BE A MINIMUM OF **7/16** THICK.
4. ALLOWABLE DESIGN WIND LOADS ARE; +/-65.0 PSF FOR DOUBLE 9" HAND SPLIT SHINGLE, +/-83.6 PSF FOR DOUBLE 7" SHINGLE, AND +/-74.9 PSF FOR DOUBLE 6-1/4" ROUND CUT SIDING.
5. THE INSTALLATION DETAILS SHOWN ON THIS DRAWING ARE IN CONFORMANCE WITH FLORIDA BUILDING CODE 2010, PARAGRAPH 1404.8 AND SECTION 2605.



Allen N. Reeves
20 Nov. 2020

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

HR Engineering, Inc.

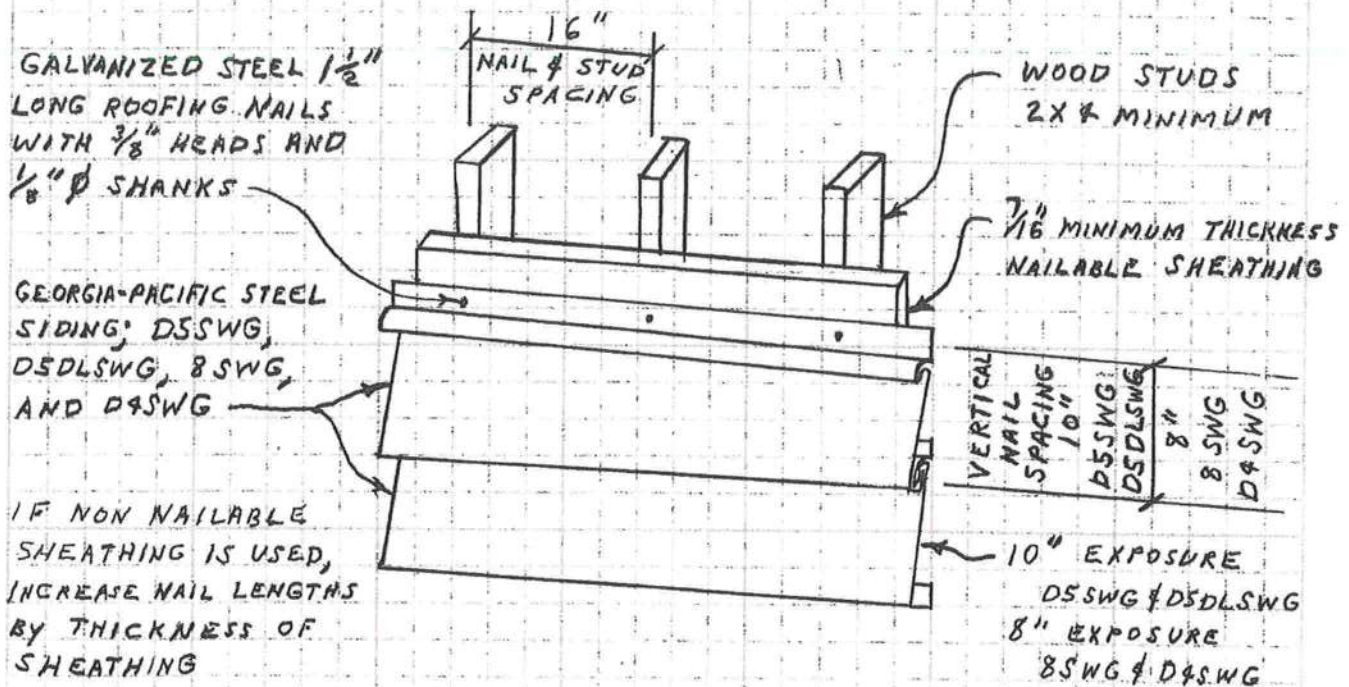
CLIENT: PLYGEM/GEORGIA-PACIFIC

REV. 17 NOV. 2020
DATE: 2 NOV. 2017

BY: A. REEVES

20050004
PROJECT NO. 17090006 SHEET 5 OF 7

PROJECT NAME: STEEL SIDING INSTALLATION



STEEL SIDING INSTALLATION DETAIL NOT TO SCALE

GENERAL NOTES

1. THE PRESSURES LISTED IN THE TABLE BELOW ARE IN CONFORMANCE WITH THE INTENT OF FLORIDA BUILDING CODE 2020 AND THE FLORIDA RESIDENTIAL CODE 2020.
2. PRESSURES WERE DETERMINED BY COMPARATIVE ANALYSES BASED ON TESTING TO ASTM D5266.

GEORGIA-PACIFIC STEEL SIDING TYPE	ALLOWABLE DESIGN WIND PRESSURES IN PSF
WOODGRAIN, DOUBLE 5" D5SWG	$\pm$ 60.0
WOODGRAIN, DOUBLE 5" DUTCHLAP D5DLSWG	$\pm$ 60.0
WOODGRAIN, 8", 8SWG	$\pm$ 75.0
WOODGRAIN, DOUBLE 4" D4SWG	$\pm$ 75.0



Allen N. Reeves 20 NOV. 2020

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

HR Engineering, Inc.

CLIENT: PLYGEM/GEORGIA-PACIFIC

REV. 17 NOV. 2020

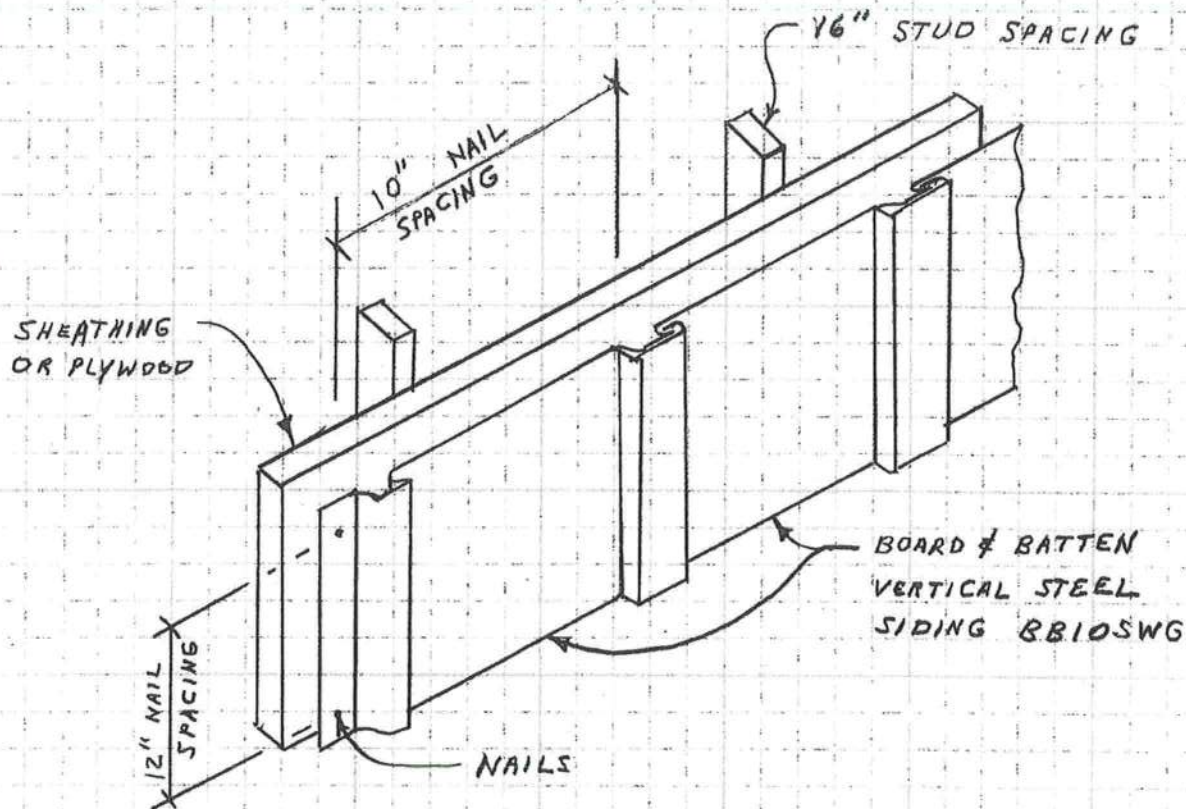
DATE: 2 NOV. 2017

BY: A. REEVES

20050004

PROJECT NO. 17090006 SHEET 6 OF 7

PROJECT NAME: STEEL SIDING INSTALLATION



VERTICAL STEEL SIDING INSTALLATION DETAIL
NOT TO SCALE

1. NAILS ARE GALVANIZED STEEL ROOFING NAILS, $1\frac{1}{2}$ " LONG WITH $\frac{1}{8}$ " DIAMETER SHAFTS, AND $\frac{3}{8}$ " DIAMETER HEADS
2. STUDS ARE NOT REQUIRED TO HAVE NAILS IN THEM. NAILS MUST PENETRATE THE SHEATHING OR PLYWOOD ONLY.
3. SHEATHING AND PLYWOOD MUST BE A MINIMUM OF $\frac{1}{16}$ " THICK, AND SHEATHING MUST BE NAILABLE.
4. ALLOWABLE DESIGN WIND LOADING USING THIS INSTALLATION PROCEDURE ON PLYGEM/GEORGIA-PACIFIC VERTICAL STEEL SIDING ARE ± 36.7 PSF.
5. THE INSTALLATION DETAILS SHOWN ON THIS DRAWING ARE IN CONFORMANCE WITH FLORIDA BUILDING CODE 2020 AND FLORIDA RESIDENTIAL CODE 2020.



Allen N. Reeves
20 NOV. 2020

Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

HR Engineering, Inc.

DATE: 17 NOV. 2020

PROJECT NO. 200520004 SHEET 7 OF 7

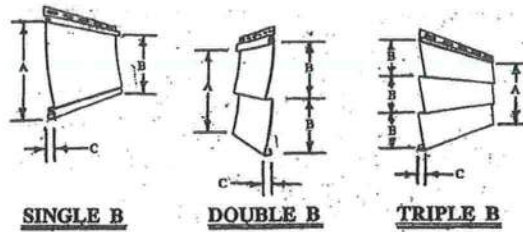
CLIENT: PLYGEM/GEORGIA-PACIFIC

BY: A. REEVES

PROJECT NAME: GEORGIA PACIFIC SIDING 2020

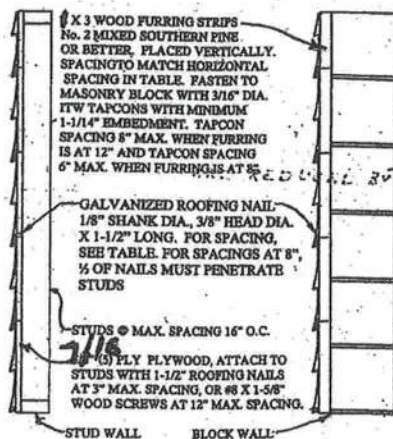
Georgia-Pacific Vinyl Siding

Approved Models	Configuration	Exposure Inches "A"	B	C	Nail Spacing	Thickness .001	Design Pressure (PSF)
Parkside	Double 5"	10"	5	1/2	8" h x 10" v	0.038"	-95.6
Forest Ridge	Double 5"	10"	5	1/2	8" h x 10" v	0.042"	-95.6
Vision Pro	Double 5"	10"	5	1/2	8" h x 10" v	0.040"	-95.6
Parkside	Double 5" DL	10"	5	1/2	8" h x 10" v	0.038"	-95.6
Vision Pro	Double 5" DL	10"	5	1/2	8" h x 10" v	0.040"	-95.6
Shadow Ridge	Double 5" DL	10"	5	1/2	8" h x 10" v	0.042"	-95.6
Parkside	Triple 3 1/3"	10"	3 1/3	1/2	8" h x 10" v	0.038"	-95.6
True Wall Series 4000	Double 5"	10"	5	1/2	8" h x 10" v	0.040"	-95.6
True Wall Series 4000	Double 5" DL	10"	5	1/2	8" h x 10" v	0.040"	-95.6
True Wall Series 3800	Double 5"	10"	5	1/2	8" h x 10" v	0.036"	-95.6
True Wall Series 3800	Double 5" DL	10"	5	1/2	8" h x 10" v	0.036"	-95.6
True Wall Series 4200	Double 5"	10"	5	1/2	8" h x 10" v	0.042"	-95.6
True Wall Series 4200	Double 5" DL	10"	5	1/2	8" h x 10" v	0.042"	-95.6
True Wall Series 4400	Double 5"	10"	5	1/2	8" h x 10" v	0.044"	-95.6
True Wall Series 4400	Double 5" DL	10"	5	1/2	8" h x 10" v	0.040"	-95.6
True Wall Series 4010	Double 4"	8"	4	1/2	8" h x 8" v	0.038"	-120
Forest Ridge	Double 4"	8"	4	1/2	8" h x 8" v	0.042"	-120
Vision Pro	Double 4"	8"	4	1/2	8" h x 8" v	0.040"	-120
Parkside	Double 4" DL	8"	4	1/2	8" h x 8" v	0.038"	-120
Vision Pro	Double 4" DL	8"	4	1/2	8" h x 8" v	0.040"	-120
Shadow Ridge	Double 4" DL	8"	4	1/2	8" h x 8" v	0.042"	-120
True Wall Series 3800	Double 4"	8"	4	1/2	8" h x 8" v	0.038"	-120
True Wall Series 3800	Double 4" DL	8"	4	1/2	8" h x 8" v	0.038"	-120
True Wall Series 4000	Double 4"	8"	4	1/2	8" h x 8" v	0.040"	-120
True Wall Series 4000	Double 4" DL	8"	4	1/2	8" h x 8" v	0.040"	-120
True Wall Series 4400	Double 4"	8"	4	1/2	8" h x 8" v	0.044"	-120
True Wall Series 4010	Double 4" DL	8"	4	1/2	8" h x 8" v	0.040"	-120
True Wall Series 4200	Double 4"	8"	4	1/2	8" h x 8" v	0.042"	-120
True Wall Series 4200	Double 4" DL	8"	4	1/2	8" h x 8" v	0.042"	-120
Castle Ridge	Single 8"	8"	8	1/4	8" h x 8" v	0.044"	-120
Parkside	Double 4.5"	9"	4.5	1/2	8" h x 9" v	0.038"	-108
Chatham Ridge	Triple 3"	9"	3	1/2	8" h x 9" v	0.040"	-108
True Wall Series 3800	Double 4.5" DL	9"	4.5	1/2	8" h x 9" v	0.038"	-108
True Wall Series 4400	Double 4.5" DL	9"	4.5	1/2	8" h x 9" v	0.040"	-108
True Wall Series 4010	Double 4.5" DL	9"	4.5	1/2	8" h x 9" v	0.040"	-108
Board & Batten	Single 7"	7"	7	1/4	8" h x 7" v	0.048"	-137
Somerset Beaded	Single 6 1/2"	6.5"	6.5	1/4	8" h x 6.5" v	0.044"	-137
True Wall Series B&B	Single 7"	7"	7	1/4	8" h x 7" v	0.044"	-137



GENERAL NOTES

- TRUE WALL AND GEORGIA PACIFIC VINYL SIDING & SOFFIT PRODUCTS ARE MFG. FROM A FORMULATED PVC COMPOUND MEETING OR EXCEEDING THE REQUIREMENTS OF ASTM D 3679 STD. FOR PVC SIDING AND COMPOUNDS.
- WALLS AND SOFFIT TO RECEIVE VINYL SIDING / SOFFIT SHALL BE CHECKED FOR STRUCTURAL ADEQUACY, CRACKS AND DEFECTS THAT SHALL BE ELIMINATED.
- WALLS SHALL BE WATER PROOFED WITH ASPHALT SATURATED FELT OF NOT LESS THAN 15#/100 SQ. FT. AS DESCRIBED IN SECTION 2121.6.2 OR 1404.2 OF THE FBC.
- WALLS & SOFFIT WHERE THE SIDING / SOFFIT ARE TO BE INSTALLED SHALL BE DESIGNED BY A REGISTERED ARCHITECT OR ENGINEER ACCORDING TO THE FBC AND THE MINIMUM REQUIREMENTS OF THIS DRAWING.
- INSTALLATION OF THE SIDING / SOFFIT AND ACCESSORY PRODUCTS SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE APPLICABLE SECTIONS OF THE FBC.



WALL SECTIONS



Allen N. Reeves
20 NOV. 2020

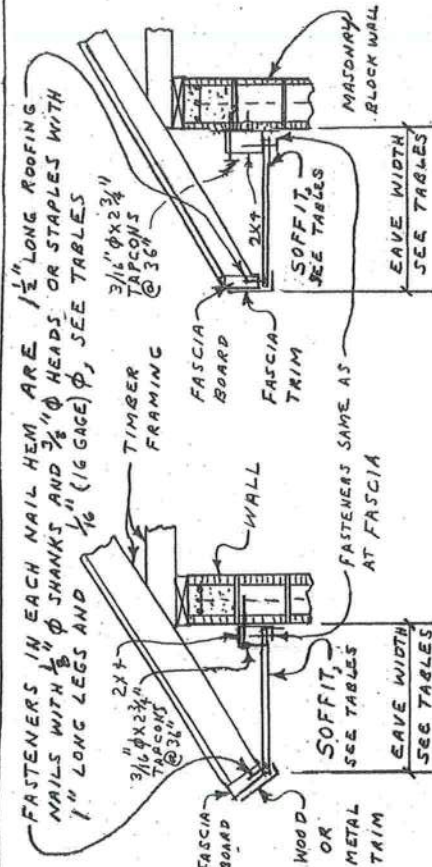
Allen N. Reeves, P.E., SECB
Structural Engineer
Florida License No. 19354

G.P. Vinyl Soffit

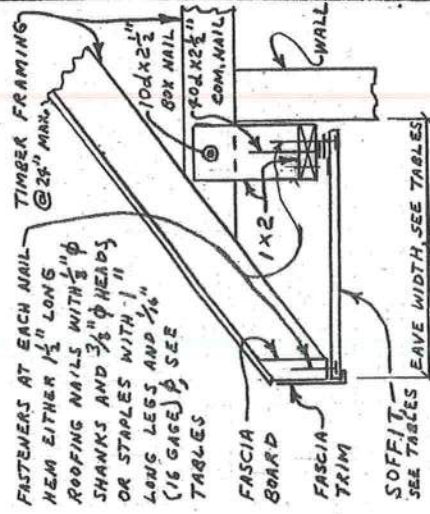
ALLOWABLE DESIGN WIND PRESSURES IN PSF
SHORT SPAN TABLE

GEORGIA-PACIFIC SOFFIT TYPE	EAVE WIDTH IN INCHES		
	10"	12"	16"
Double 6 (Aluminum) 12" Nails	+169.1	+135.3	+96.6
Solid - 36780 Vented - 36781	-169.1	-135.3	-96.6
Double 6 (Aluminum) 12" Staples	+169.1	+135.3	+96.6
Solid - 36780 Vented - 36781	-177.0	-141.6	-101.1
Triple 4 (Aluminum) 12" Nails Solid - 36694	+169.1	+135.3	+96.6
Center Vent - 36695 Full Vent - 36696	-169.1	-135.3	-96.6
Triple 4 (Aluminum) 12" Staples Solid - 36694	+169.1	+135.3	+96.6
Center Vent - 36695 Full Vent - 36696	-177.0	-141.6	-101.1
Quad 4 (Aluminum) 16" Nails	+126.8	+101.5	+72.5
Solid - 36797 Vented - 36798	-126.8	-101.5	-72.5
Quad 4 (Aluminum) 16" Staples	+126.8	+101.5	+72.5
Solid - 36797 Vented - 36798	-132.8	-106.2	-75.9
Durabuilt Double 6 (Aluminum) 12" Nails	+133.5	+106.8	+76.3
Solid - 36782 Vented - 36783	-133.5	-106.8	-76.3
Durabuilt Double 6 (Aluminum) 12" Staples	+133.5	+106.8	+76.3
Solid - 36782 Vented - 36783	-177.0	-141.6	-101.1
Durabuilt Triple 4 (Aluminum) 12" Nails Solid - 36687	+133.5	+106.8	+76.3
Center Vent - 36688 Full Vent - 36689	-133.5	-106.8	-76.3
Durabuilt Triple 4 (Aluminum) 12" Staples	+133.5	+106.8	+76.3
Solid - 36687 Full Vent - 36688	-177.0	-141.6	-101.1
Center Vent - 36689 Full Vent - 36690	+115.7	+92.6	+66.1
Solid - 36768 Vented - 36770	-115.7	-92.6	-66.1
Center Vent - 36769 Vented - 36770	+115.7	+92.6	+66.1
Solid - 36768 Vented - 36770	-177.0	-141.6	-101.1
Center Vent - 36769 Vented - 36770	+206.6	+165.3	+118.1
Solid - 157 Vented - 158	-104.0	-83.2	-59.4
Beaded (Vinyl) 7" Nails	+206.6	+165.3	+118.1
Solid - 157 Vented - 158	-123.9	-99.2	-70.8
Double 5 Standard (Vinyl) 10" Nails	+206.6	+165.3	+118.1
Solid - 144 Vented - 145	-72.8	-58.3	-41.6
Double 5 Standard (Vinyl) 10" Staples	+206.6	+165.3	+118.1
Solid - 144 Vented - 145	-86.8	-69.4	-49.6
D5 Premium (Vinyl) 10" Nails	+227.3	+181.8	+129.9
Solid - 140 Vented - 141	-80.1	-64.1	-45.8
D5 Premium (Vinyl) 10" Staples	+227.3	+181.8	+129.9
Solid - 140 Vented - 141	-95.4	-76.3	-54.5
Triple 4 (Vinyl) 12" Nails Solid - 150 Center Vent - 152 Full Vent - 151	+180.8	+144.6	+103.3
Triple 4 (Vinyl) 12" Staples Solid - 150 Center Vent - 152 Full Vent - 151	-53.1	-42.5	-30.3
Premium Triple 4 (Vinyl) 12" Nails Solid - 230 Center Vent - 231 Full Vent - 232	+196.3	+157.0	+112.2
Premium Triple 4 (Vinyl) 12" Staples Solid - 230 Center Vent - 231 Full Vent - 232	-57.7	-46.1	-32.9
Triple 3-1/2 (Vinyl) 10" Nails	+227.3	+181.8	+129.9
Solid - 133 Vented - 134	-80.1	-64.1	-45.8
Triple 3-1/2 (Vinyl) 10" Staples	+227.3	+181.8	+129.9
Solid - 133 Vented - 134	-95.4	-76.3	-54.5

Details that go with this table appear on Sheet 1 of 2



SOFFITS WITH MASONRY BLOCK WALLS
NOT TO SCALE



SOFFIT WITH WOOD FRAMED WALL
NOT TO SCALE

SOFFIT INTO ROOF FRAMING
NOT TO SCALE



Allen N. Reeves, P.E. Structural Engineer Florida License #19354

REV. 13 AUG. 2020

DATE: 17 SEPT. 2012

PROJECT NO. 11100017-4 SHEET 1 OF 2

PROJECT NAME: GP SOFFITS - FLORIDA

HR Engineering, Inc.

CLIENT: GEORGIA - PACIFIC

BY: A. REEVES

15 AUGUST 2020

GEORGIA-PACIFIC SOFIT TYPE	EAVE WIDTH IN INCHES				
	12"	15"	18"	21"	24"
Double 6 (Aluminum) 12", Nails Solid - 36780 Vented - 36781	+288.0 -275.3	+170.4 -162.9	+112.5 -107.6	+79.8 -76.3	+59.0 -56.9
Double 6 (Aluminum) 12", Staples Solid - 36780 Vented - 36781	+288.0 -275.3	+170.4 -162.9	+112.5 -107.6	+79.8 -76.3	+59.0 -56.9
Triple 4 (Aluminum) 12", Nails Solid - 36694 Center Vent - 36695 Full Vent - 36696	+288.0 -275.3	+170.4 -162.9	+112.5 -107.6	+79.8 -76.3	+59.0 -56.9
Triple 4 (Aluminum) 12", Staples Solid - 36694 Center Vent - 36695 Full Vent - 36696	+288.0 -275.3	+170.4 -162.9	+112.5 -107.6	+79.8 -76.3	+59.0 -56.9
Quad 4 (Aluminum) 16", Nails Solid - 36797 Vented - 36798	+216.0 -206.5	+127.8 -122.2	+84.4 -80.7	+59.8 -57.2	+44.6 -42.7
Quad 4 (Aluminum) 16", Staples Solid - 36797 Vented - 36798	+216.0 -206.5	+127.8 -122.2	+84.4 -80.7	+59.8 -57.2	+44.6 -42.7
Dumbuilt Double 6 (Aluminum) 12", Nails Solid - 36782 Vented - 36783	+227.4 -217.4	+134.5 -128.6	+88.8 -84.9	+63.0 -60.2	+47.0 -44.9
Dumbuilt Double 6 (Aluminum) 12", Staples Solid - 36782 Vented - 36783	+227.4 -217.4	+134.5 -128.6	+88.8 -84.9	+63.0 -60.2	+47.0 -44.9
Dumbuilt Triple 4 (Aluminum) 12", Nails Solid - 36687 Center Vent - 36688 Full Vent - 36689	+227.4 -217.4	+134.5 -128.6	+88.8 -84.9	+63.0 -60.2	+47.0 -44.9
Dumbuilt Triple 4 (Aluminum) 12", Staples Solid - 36687 Center Vent - 36688 Full Vent - 36689	+227.4 -217.4	+134.5 -128.6	+88.8 -84.9	+63.0 -60.2	+47.0 -44.9
Center Vent - 36688 Full Vent - 36689 .013 T4 (Aluminum) 12", Nails Solid - 36768	+197.1 -188.4	+116.6 -111.5	+77.0 -73.6	+54.6 -52.2	+40.7 -38.9
Center Vent - 36769 Vented - 36770 .013 T4 (Aluminum) 12", Staples Solid - 36768	+197.1 -188.4	+116.6 -111.5	+77.0 -73.6	+54.6 -52.2	+40.7 -38.9
Center Vent - 36769 Vented - 36770 Beaded (Vinyl) 7", Nails Solid - 157 Vented - 158	+427.6 -95.9	+253.0 -73.7	+167.0 -59.9	+118.4 -50.5	+83.3 -43.6
Beaded (Vinyl) 7", Staples Solid - 157 Vented - 158	+427.6 -95.9	+253.0 -73.7	+167.0 -59.9	+118.4 -50.5	+83.3 -43.6
Double 5 Standard (Vinyl) 10", Nails Solid - 144 Vented - 145	+299.3 -67.1	+177.1 -51.6	+116.9 -41.9	+82.9 -35.3	+61.8 -30.5
Double 5 Standard (Vinyl) 10", Staples Solid - 144 Vented - 145	+299.3 -67.1	+177.1 -51.6	+116.9 -41.9	+82.9 -35.3	+61.8 -30.5
D5 Premium (Vinyl) 10", Nails Solid - 140 Vented - 141	+329.2 -73.8	+194.8 -56.8	+128.6 -46.1	+91.2 -38.8	+68.0 -35.6
D5 Premium (Vinyl) 10", Staples Solid - 140 Vented - 141	+329.2 -73.8	+194.8 -56.8	+128.6 -46.1	+91.2 -38.8	+68.0 -35.6
Triple 4 (Vinyl) 12", Nails Solid - 150 Center Vent - 152 Full Vent - 151	+218.2 -48.9	+129.1 -37.7	+85.3 -30.6	+60.4 -25.8	+45.1 -22.2
Triple 4 (Vinyl) 12", Staples Solid - 150 Center Vent - 152 Full Vent - 151	+218.2 -48.9	+129.1 -37.7	+85.3 -30.6	+60.4 -25.8	+45.1 -22.2
Premium Triple 4 (Vinyl) 12", Nails Solid - 230 Center Vent - 231 Full Vent - 232	+236.9 -53.1	+140.2 -40.9	+92.6 -33.2	+65.6 -28.0	+49.0 -24.1
Premium Triple 4 (Vinyl) 12", Staples Solid - 230 Center Vent - 231 Full Vent - 232	+236.9 -53.1	+140.2 -40.9	+92.6 -33.2	+65.6 -28.0	+49.0 -24.1
Triple 3-1/3 (Vinyl) 10", Nails Solid - 133 Vented - 134	+329.2 -73.8	+194.8 -56.8	+128.6 -46.1	+91.2 -38.8	+68.0 -33.6
Triple 3-1/3 (Vinyl) 10", Staples Solid - 133 Vented - 134	+329.2 -73.8	+194.8 -56.8	+128.6 -46.1	+91.2 -38.8	+68.0 -33.6

Details that go with this table are found on Sheet 1 of 7

GEORGIA PACIFIC SOFFIT TYPE		
Beaded (Vinyl) 7", Nails Solid - 157 Vented - 158	+/-62.9	
Beaded (Vinyl) 7", Staples Solid - 157 Vented - 158	+/-62.9	
Double 5 Standard (Vinyl) 10", Nails Solid - 144 Vented - 145	+/-44.0	
Double 5 Standard (Vinyl) 10", Staples Solid - 144 Vented - 145	+/-44.0	
Double 5 Premium (Vinyl) 10", Nails Solid - 140 Vented - 141	+/-48.4	
Double 5 Premium (Vinyl) 10", Staples Solid - 140 Vented - 141	+/-48.4	
Triple 4 (Vinyl) 12", Nails Center Vent - 152 Full Vent - 151	+/-32.1	
Solid - 150 Triple 4 (Vinyl) 12", Staples Center Vent - 152 Full Vent - 151	+/-32.1	
Solid - 150 Premium Triple 4 (Vinyl) 12", Nails Center Vent - 231 Full Vent - 232	+/-34.9	
Solid - 230 Premium Triple 4 (Vinyl) 12", Staples Center Vent - 231 Full Vent - 232	+/-34.9	
Triple 3-1/3 (Vinyl) 10", Nails Solid - 133 Vented - 134	+/-48.4	
Triple 3-1/3 (Vinyl) 10", Staples Solid - 133 Vented - 134	+/-48.4	

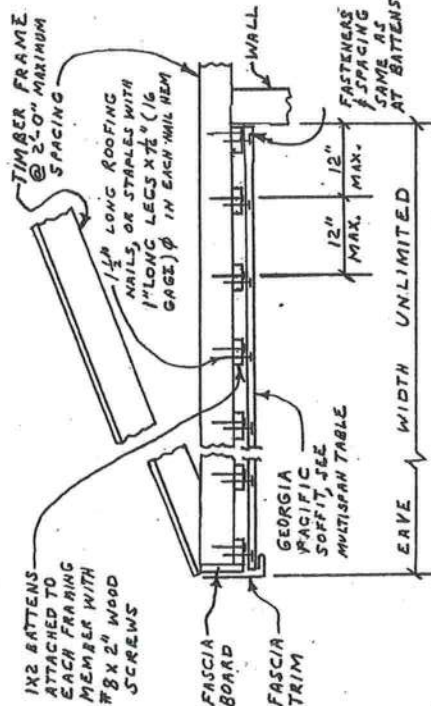
The detail for this table appears on Sheet 2 of 2

INSTALLATION FASTENERS MUST HAVE CORROSION-
RESISTANCE IN COMPLIANCE WITH SECTION
1405.17 OF THE FBC.

Double 5 has "V" grooves every 5" across width, and each panel is 10" wide.



Allen N. Reeves
5 OCT 2020



SOFFIT FOR WIDE EAVES AND EXTERIOR CEILINGS
NOT TO SCALE

Allen N. Reeves, P.E. Structural Engineer Florida License #19354

Structural Engineer

Allen N. Reeves, P.E.

HR Engineering, Inc.

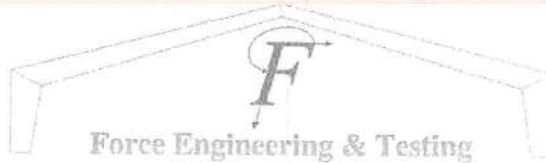
PROJECT NO. 11100019 - 4

PROJECT NO. 11100019-4 SHEET 2 OF 2

CLIENT: GEORGIA-PACIFIC

PROJECT NAME: GP SOFFETS - FLORIDA

Details that go with this table are found on Sheet 1 of 2



Force Engineering & Testing

19530 Rumblewood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

**Product Evaluation Report
TRI COUNTY METALS**

Min. 26 Ga. PBR Roof Panel over 1x4 Wood Purlins over 15/32" Plywood

Florida Product Approval # 4595.11 R8

Florida Building Code 2020

Per Rule 61G20-3

Method: 1 -D

Category: Roofing

Subcategory: Metal Roofing

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:

Tri County Metals
301 SE 16th Street
Trenton, Florida 32693

Engineer Evaluator:

Johnathan Green, P.E. #88223
Florida Evaluation ANE ID: 12901

Contents:

Evaluation Report — Pages 1 – 5



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FL# 4595.11 R8



Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2020, Sections 1504.3.2, 1504.7.

Product Description: PBR Roof Panel, Min. 26 Ga. Steel, 36" coverage, through fastened roof panel over 1x4 wood purlins over one layer of asphalt shingles (optional) over min. 15/32" APA Plywood decking. Non-Structural Application.

Panel Material/Standards: Material: Min. 26 Ga. Steel, conforming to Florida Building Code 2020 Section 1507.4.3. Paint finish optional.
Yield Strength: Min. 80.0 ksi
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2020, Section 1507.4.3.

Panel Dimension(s): Thickness: 0.018" min.
Width: 36" maximum coverage
Rib Height: 1 1/4" tall major ribs at 12" O.C.

Panel Fastener: #9-15 x 1-1/2" Woodgrip with sealing washing or approved equal
3/4-14 x 7/8" HWH with sealing washer through panel side laps at 24" O.C.
Corrosion Resistance: Per Florida Building Code 2020, Section 1507.4.4.

Substrate Description: Min. 1x4 No. 2 SYP wood purlins over maximum one layer of asphalt shingles/felt paper (optional) over min. 15/32" thick, APA Rated plywood over supports at maximum 24" O.C. The 1x4 wood purlins shall be fastened to the plywood with (1) 8d x 2 3/8" Ring Shank Nail at 4" O.C. or to the wood rafters with (2) #9 x 3" Deck Screws at 24" O.C. Maximum. Design of 1x4 wood purlins, plywood and plywood supports are outside the scope of this evaluation. Substrate must be designed in accordance w/ Florida Building Code 2020.

Allowable Design Uplift Pressures:

Table "A"

Maximum Total Uplift Design Pressure:	71.0 psf	78.5 psf
Fastener Pattern:	Type 1: 12"-12"-12"	Type 2: 7"-5"-7"-5"-7"
Fastener Spacing:	24" O.C.	24" O.C.

*Design Pressure includes a Safety Factor = 2.0.



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FL# 4595.11 R8



Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1504.3.2, 1504.7.

Evaluation Report Scope: The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3.

Performance Standards: The product described herein has demonstrated compliance with:

- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
- UL 1897-2012 - Uplift Test for Roof Covering Systems
- FM 4471-92 - Foot Traffic Resistance Test

Reference Data:

1. UL 580-06 / 1897-04 Uplift Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 136-0172T-12
2. FM 4471-10, Section 4.4 Foot Traffic Resistance Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 136-0172T-12
3. Certificate of Independence
By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing
(FBC Organization # ANE ID: 12901)

Test Standard Equivalency: The UL 1897-04 test standard is equivalent to the UL 1897-2012 test standard.

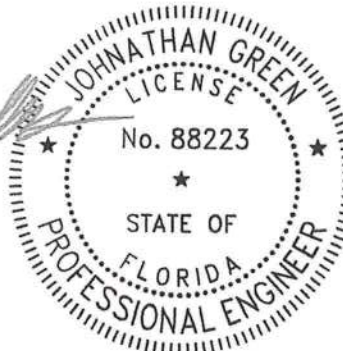
The FM 4471-10, Foot Traffic Resistance test standard is equivalent to the FM 4471-92, Foot Traffic Resistance test standard

Quality Assurance Entity: The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Minimum Slope Range: Minimum Slope shall comply with Florida Building Code 2020, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.

Installation: Install per manufacturer's recommended details.


JAN 26 2023



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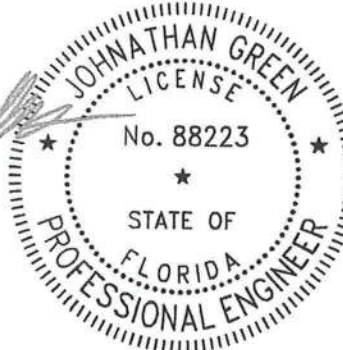
Underlayment: Per Florida Building Code 2020, Section 1507.1.1 and manufacturer's installation guidelines.

Roof Panel Fire Classification: Fire classification is not part of this acceptance.

Shear Diaphragm: Shear diaphragm values are outside the scope of this report.

Design Procedure: Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2020 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2020 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.


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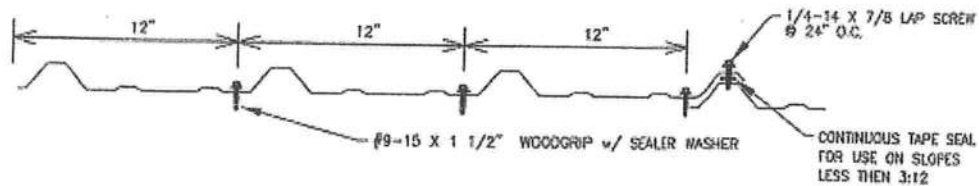
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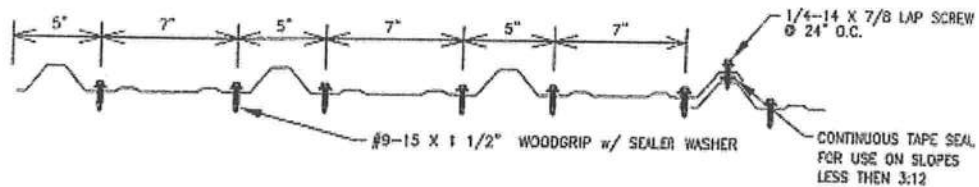


MIN. 26 GA. PBR PANEL OVER 1x4 WOOD PURLINS

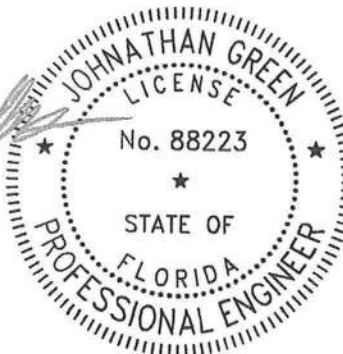
TYPE 1 FASTENER PATTERN AT 24" O.C.



TYPE 2 FASTENER PATTERN AT 24" O.C. AND AT PANEL ENDS



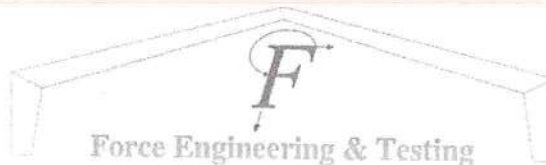
[Signature]
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Force Engineering & Testing

19530 Ramblerwood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

**Product Evaluation Report
TRI COUNTY METALS**

Min. 26 Ga. PBR Roof Panel over 15/32" Plywood

Florida Product Approval # 4595.10 R8

Florida Building Code 2020

Per Rule 61G20-3

Method: 1 -D

Category: Roofing

Subcategory: Metal Roofing

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:

Tri County Metals
301 SE 16th Street
Trenton, Florida 32693

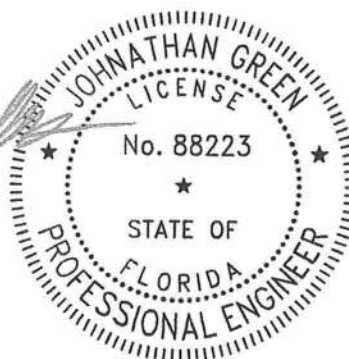
Engineer Evaluator:

Johnathan Green, P.E. #88223
Florida Evaluation ANE ID: 12901

Contents:

Evaluation Report Pages 1 – 5


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Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2020, Sections 1504.3.2, 1504.7.

Product Description: PBR Roof Panel, Min. 26 Ga. Steel, 36" coverage, through fastened roof panel over Min. 15/32" APA Plywood decking. Non-structural Application.

Panel Material/Standards: Material: Min. 26 Ga. Steel, conforming to Florida Building Code 2020 Section 1507.4.3. Paint finish optional.
Yield Strength: Min. 80.0 ksi
Corrosion Resistance: Panel Material shall comply with Florida Building Code 2020, Section 1507.4.3.

Panel Dimension(s): Thickness: 0.018" min.
Width: 36" maximum coverage
Rib Height: 1 1/4" tall major ribs at 12" O.C.

Panel Fastener: #9-15 x 1-1/2" Woodgrip with sealing washing or approved equal
1/4" minimum penetration through plywood
1/4-14 x 7/8" HWH with sealing washer through panel side laps at 24" O.C.
Corrosion Resistance: Per Florida Building Code 2020, Section 1507.4.4.

Substrate Description: Min. 15/32" thick, APA Rated plywood over supports at maximum 24" O.C.
Design of plywood and plywood supports are outside the scope of this evaluation. Substrate must be designed in accordance w/ Florida Building Code 2020.

Allowable Design Uplift Pressures:

Table "A"

Maximum Total Uplift Design Pressure:	63.5 psf	93.5 psf
Fastener Pattern:	Type 1: 12"-12"-12"	Type 2: 7"-5"-7"-5"-7"
Fastener Spacing:	24" O.C.	24" O.C.

*Design Pressure includes a Safety Factor = 2.0.

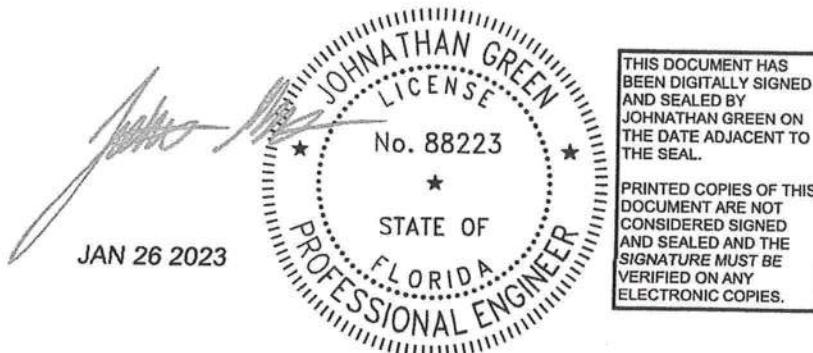


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Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1504.3.2, 1504.7.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3.
Performance Standards:	The product described herein has demonstrated compliance with: ▪ UL 580-06 - Test for Uplift Resistance of Roof Assemblies ▪ UL 1897-2012 - Uplift Test for Roof Covering Systems ▪ FM 4471-92 - Foot Traffic Resistance Test
Reference Data:	1. UL 580-06 / 1897-04 Uplift Test Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 136-0173T-12 2. FM 4471-10, Section 4.4 Foot Traffic Resistance Test Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 136-0173T-12 3. Certificate of Independence By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing (FBC Organization # ANE ID: 12901)
Test Standard Equivalency:	The UL 1897-04 test standard is equivalent to the UL 1897-2012 test standard. The FM 4471-10, Foot Traffic Resistance test standard is equivalent to the FM 4471-92, Foot Traffic Resistance test standard
Quality Assurance Entity:	The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.
Minimum Slope Range:	Minimum Slope shall comply with Florida Building Code 2020, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.
Installation:	Install per manufacturer's recommended details.



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Underlayment: Per Florida Building Code 2020, Section 1507.1.1 and manufacturer's installation guidelines.

Roof Panel Fire Classification: Fire classification is not part of this acceptance.

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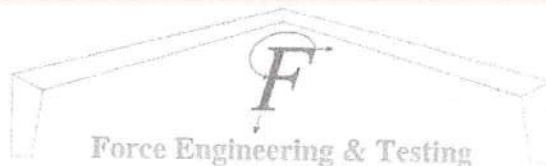

JAN 26 2023

JOHNATHAN GREEN
LICENSE
No. 88223
★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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Force Engineering & Testing

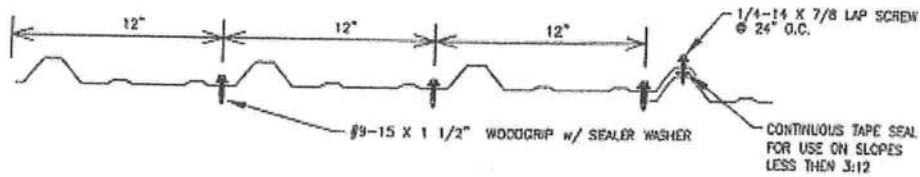
19530 Rumblewood Drive
Humble, Texas 77338

Phone: (281) 540-6603 FAX: (281) 540-9966

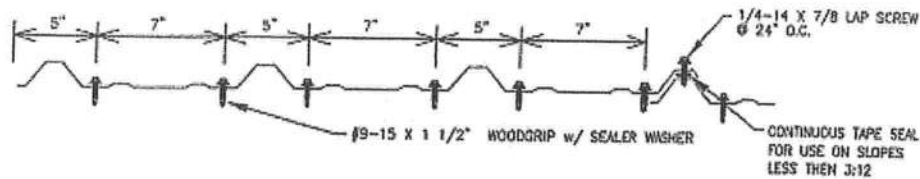
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MIN. 26 GA. PBR PANEL OVER MIN. 15/32" PLYWOOD

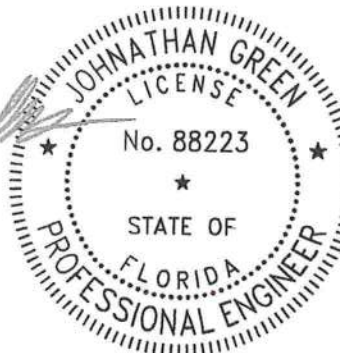
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