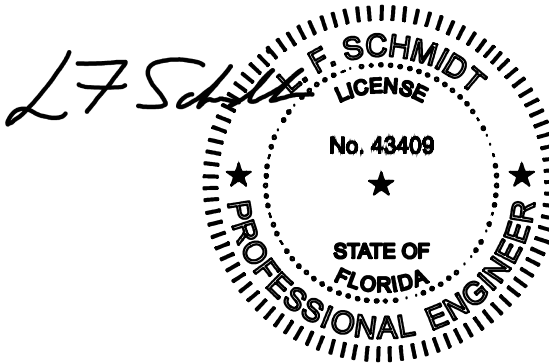


QINGDAO SEA NOVA BUILDING PROFILES PRODUCTS CO., LTD

Songjia, Yanghe Town Jiaozhou Dist. Qingdao City
Shandong Province, 266425 China
Tel: +86-0532-86225607



Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 12:25:53 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

CONTINUOUS HEAD & SILL FRAME SYSTEM
(Utilizing Composite Components)
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- 2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 4. This "IMPACT" door jamb, mullion, weatherstripping and thresholds, as components, are to be used in combination as a substitute for similar components in an impact approved continuous head & sill (complies with FBC Sections 1609.1.2 & R301.2.1.2) door system possessing a current Florida Statewide Product Approval.
- 5. The design pressure of the assembly shall be the lesser of the design pressure for the component assembly shown in this approval or the design pressure of the system assembly used in conjunction with this approval.
- 6. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the door assembly approval used in conjunction with this approval.
- 7. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

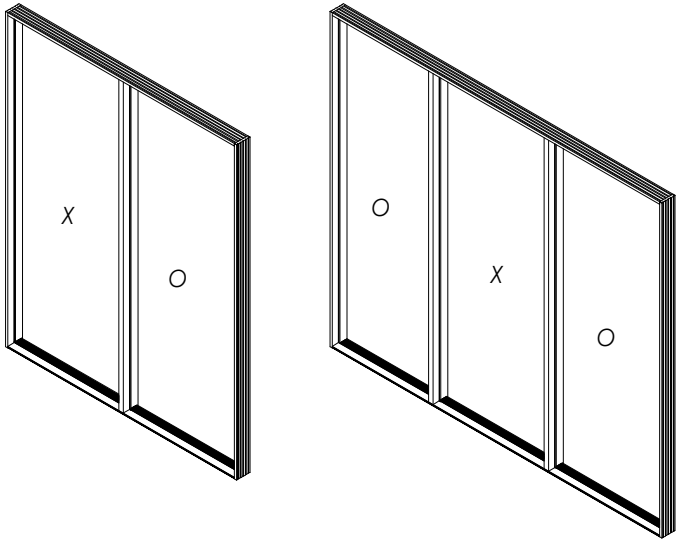


TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	6	Vertical Cross Sections (Thresholds)
2	Elevations	7	2X Buck Anchoring (O/X, X/O, OXO)
3	Horizontal & Vertical Cross Sections (2X Buck)	8	Frame Anchoring (O/X, X/O, OXO) & Hardware Details
4	Horizontal & Vertical Cross Sections (1X Buck)	9	Bill of Materials & Components
5	Horizontal Cross Sections		

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX/XO	75.25" x 97.63"	+45.0	-50.0	+45.0	-45.0
OXO	113.0" x 97.63"	+45.0	-50.0	+45.0	-45.0

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

PRODUCT: NOVA PLASTECH COMPONENTS

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

DATE: 6/7/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-27194.2

SHEET 1 OF 9

REVISIONS

NO.	DATE	BY
2	9/13/23	LFS
1	2/10/21	LFS

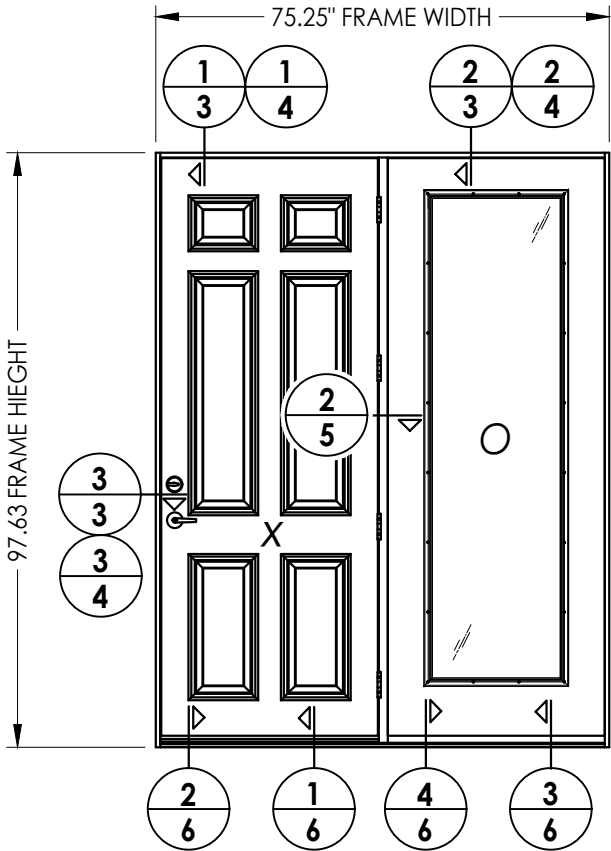
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

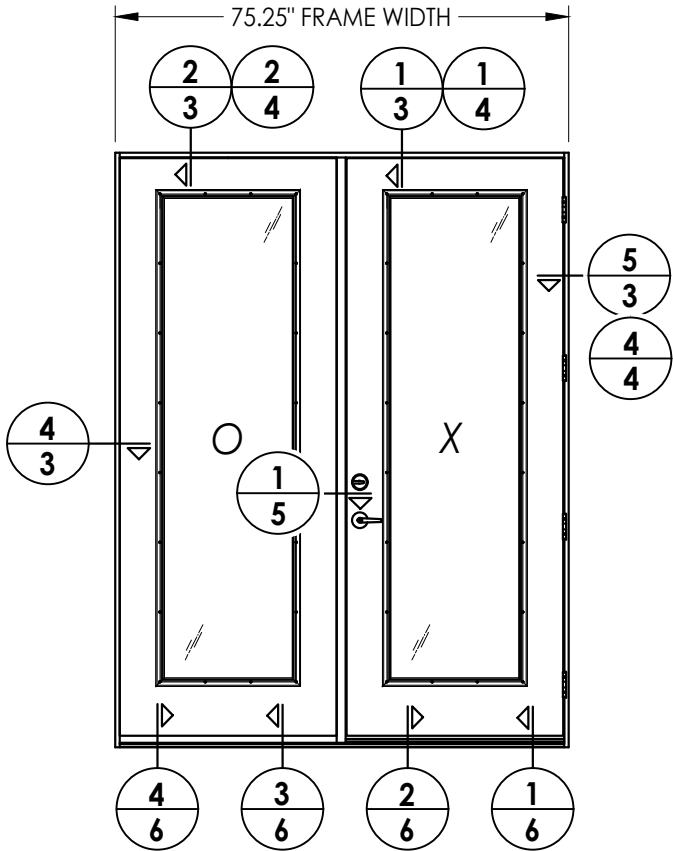
Phone No.: 813.659.9197

FBPE Registry No. 9813

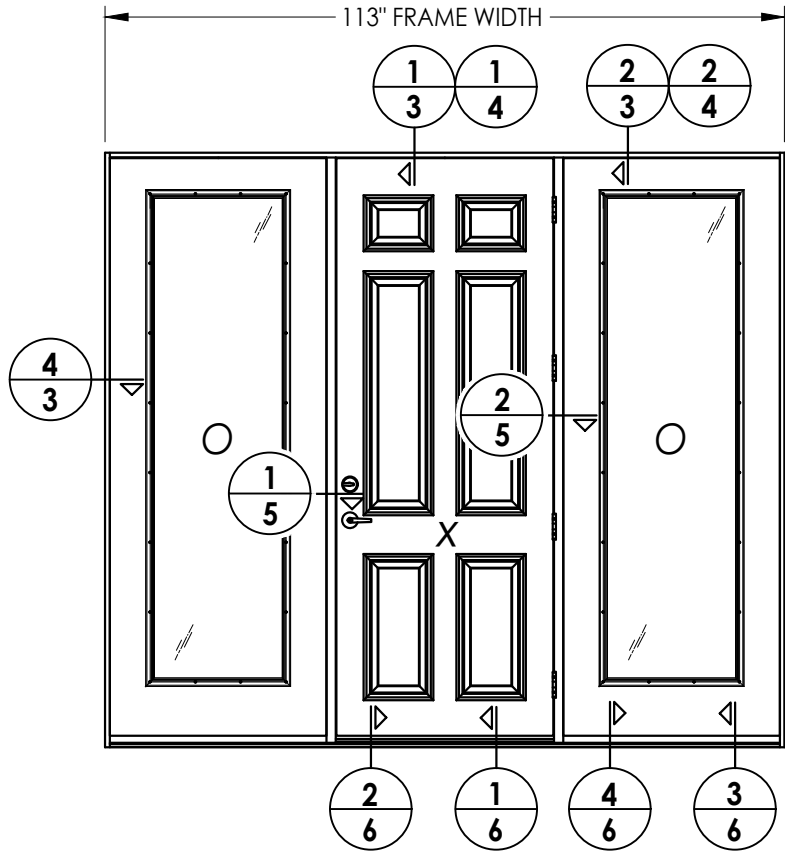
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SINGLE DOOR (CENTER HINGED) w/ SIDELITE
(Shown with opaque door)



SINGLE DOOR w/ SIDELITE
(Shown with glazed door)

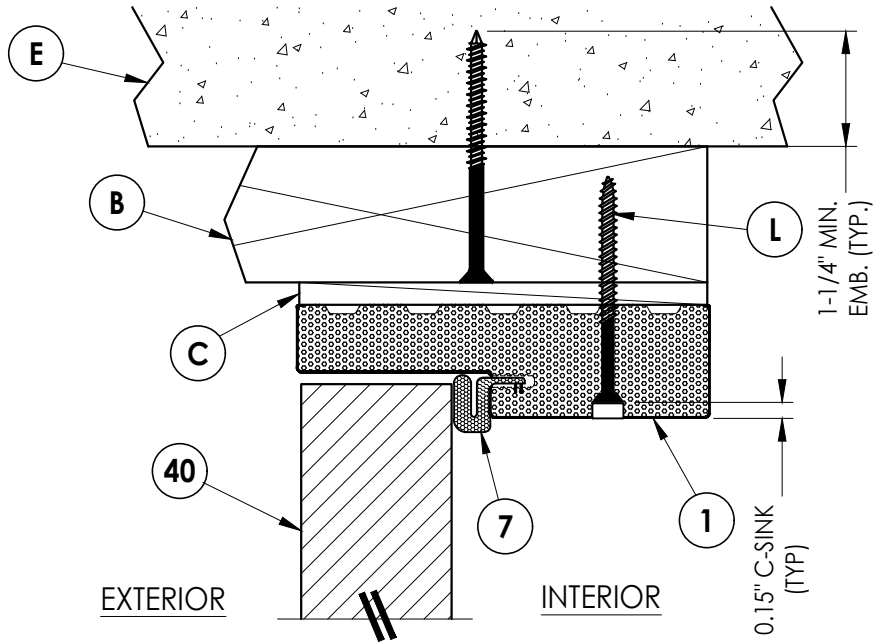


SINGLE DOOR w/ SIDELITES
(Shown with opaque door)

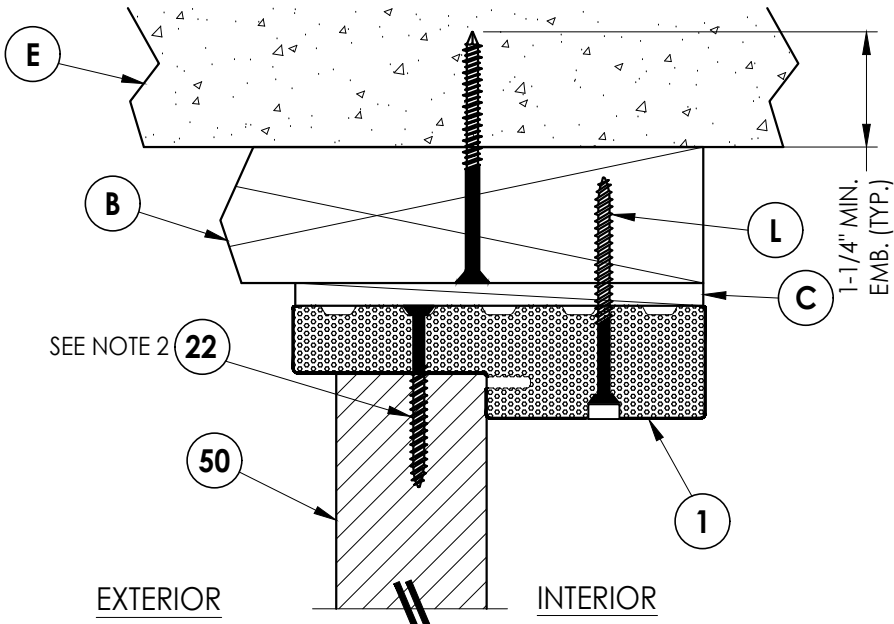
NOTE:
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING
LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD
CONNECTIONS.

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	
PRODUCT: NOVA PLASTECH COMPONENTS		PART OR ASSEMBLY: ELEVATIONS	
2		9/13/23	UPDATE TO 8TH ED. (2023) FBC
1		2/10/21	UPDATE TO 7TH ED. (2020) FBC
NO.		DATE	BY
		REVISIONS	
DATE:		6/7/18	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-27194.2	
SHEET		2	OF 9

Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-27194 R3\FL-27194.2.dwg

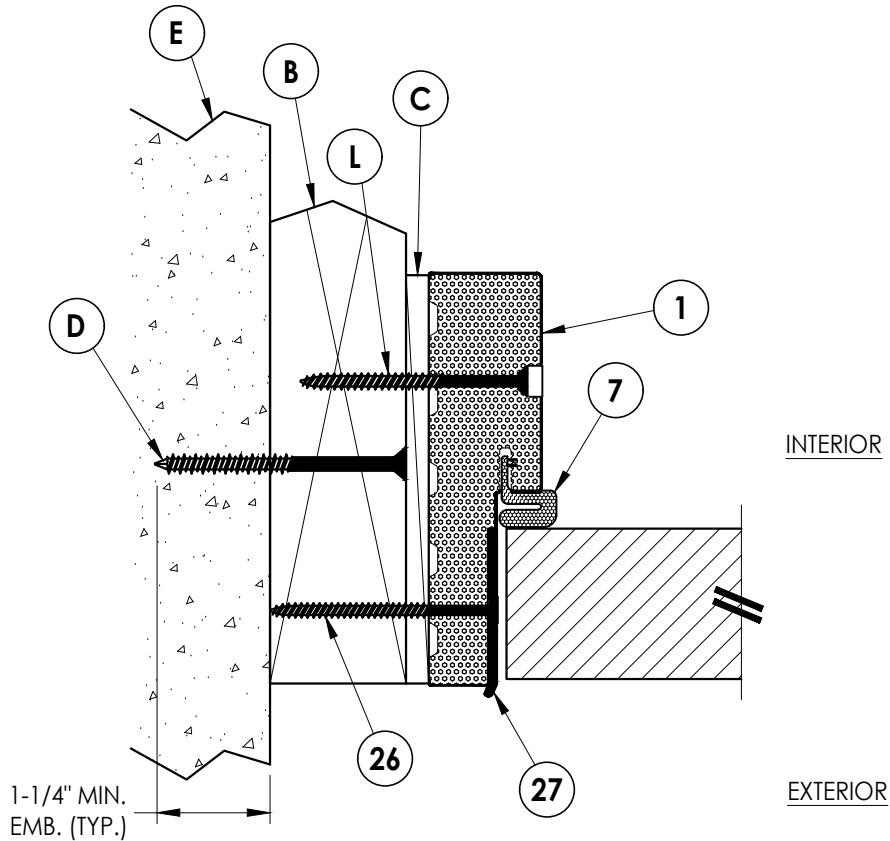


1 **VERTICAL CROSS SECTION**
3 Outswing shown (Inswing similar)

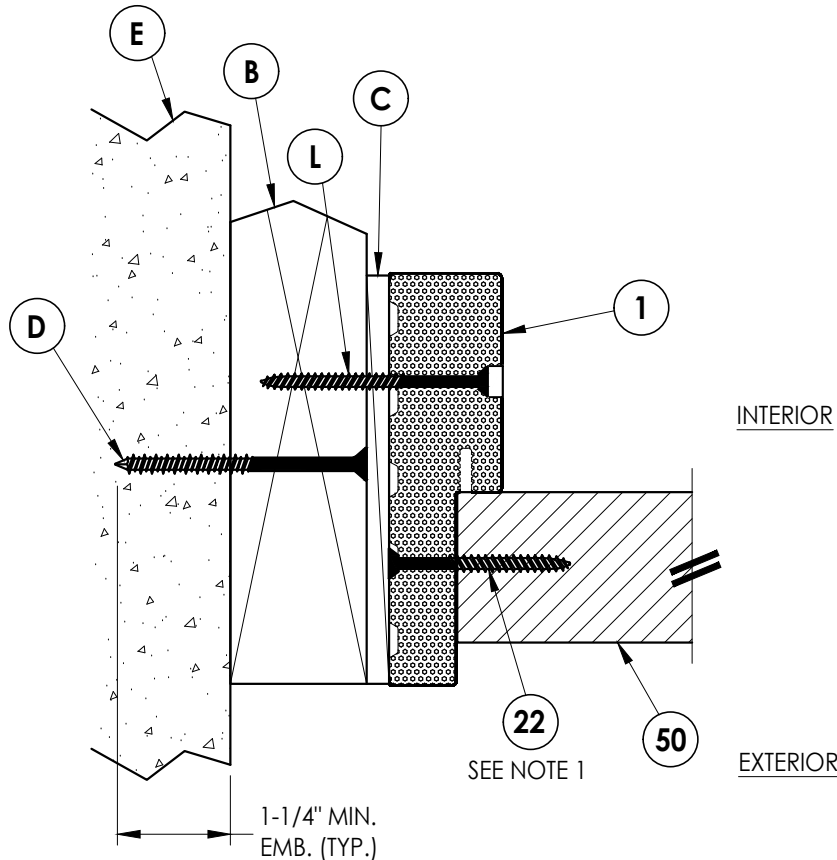


2 **VERTICAL CROSS SECTION**
3 Outswing shown (Inswing similar)

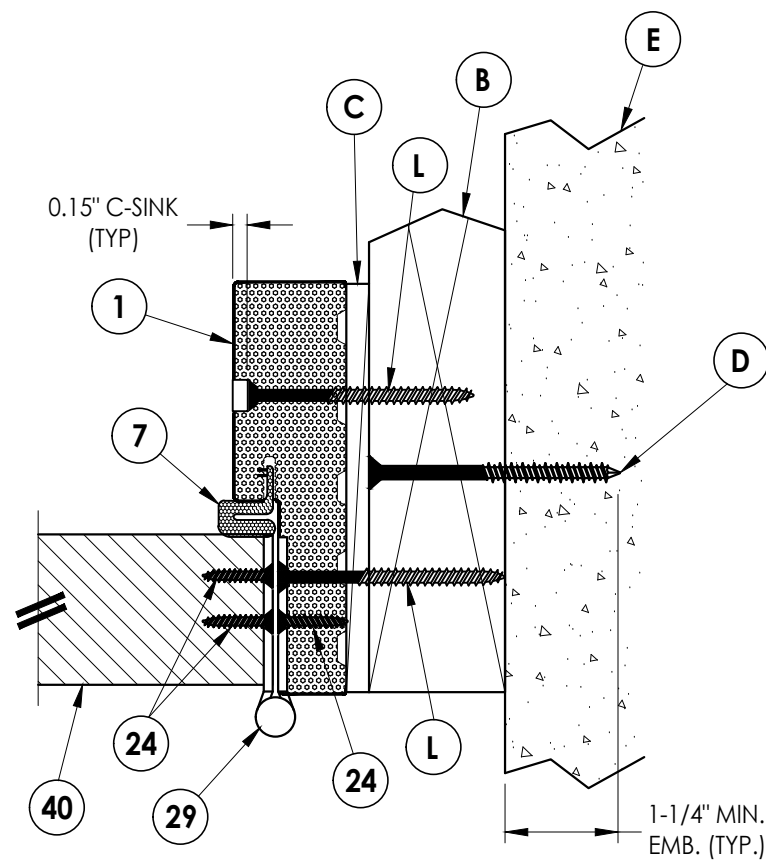
- NOTE:
1. Spacing for item #22: 6" from ends and 5 more equally spaced along sidelite (7 total).
 2. Spacing for item 22: 10" from each end (2 total)



3 **HORIZONTAL CROSS SECTION**
3 Outswing shown (Inswing similar)



4 **HORIZONTAL CROSS SECTION**
3 Outswing shown (Inswing similar)



5 **HORIZONTAL CROSS SECTION**
3 Outswing shown (Inswing similar)

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 Registry No. 9813

PRODUCT: NOVA PLASTECH
COMPONENTS

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

NO.	DATE	REVISIONS
2	9/13/23	UPDATE TO 8TH ED. (2023) FBC
1	2/10/21	UPDATE TO 7TH ED. (2020) FBC
NO.	DATE	BY

DATE: 6/7/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

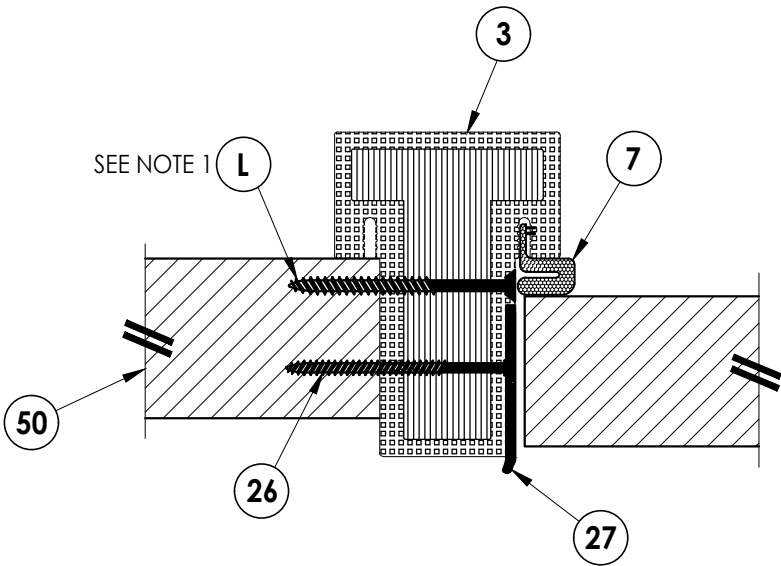
FL-27194.2

SHEET 3 OF 9

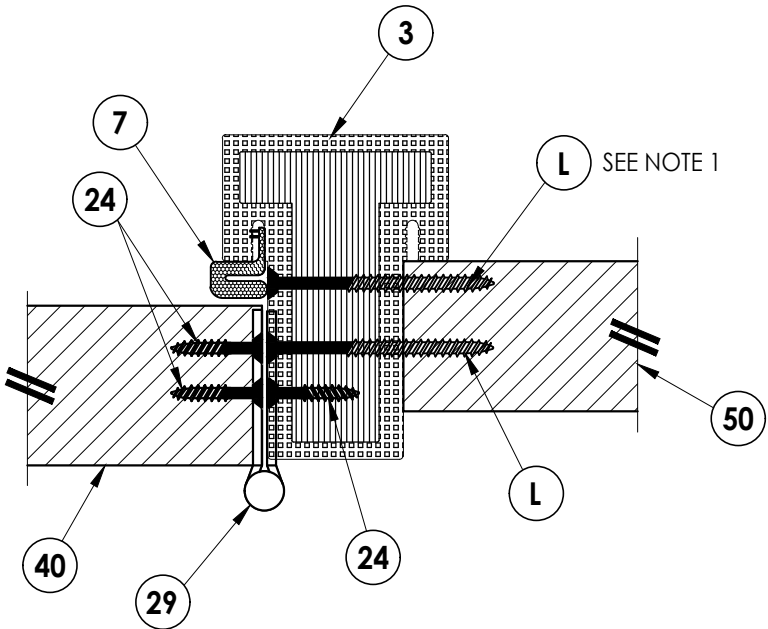
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NOTE:

1. Spacing for items #L : 6" from ends plus
5 more equally spaced along sidelite (7 total).



1 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)



2 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)

DATE: 6/7/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-27194.2
SHEET 5 OF 9

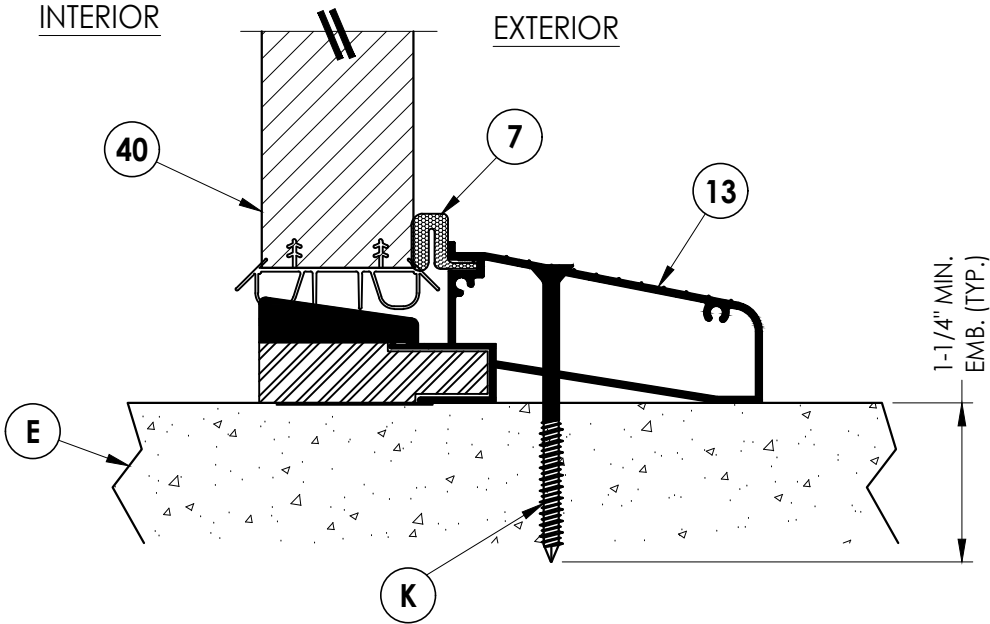
NO.	DATE	REVISIONS
2	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	2/10/21	UPDATE TO 7TH ED. (2020) FBC LFS
		BY

PRODUCT:	NOVA PLASTECH COMPONENTS
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

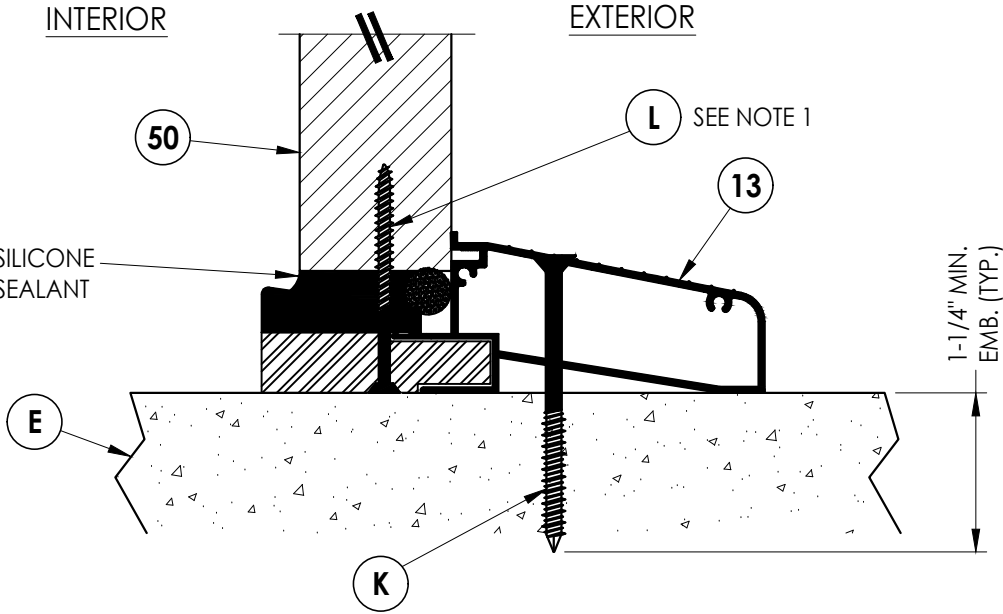
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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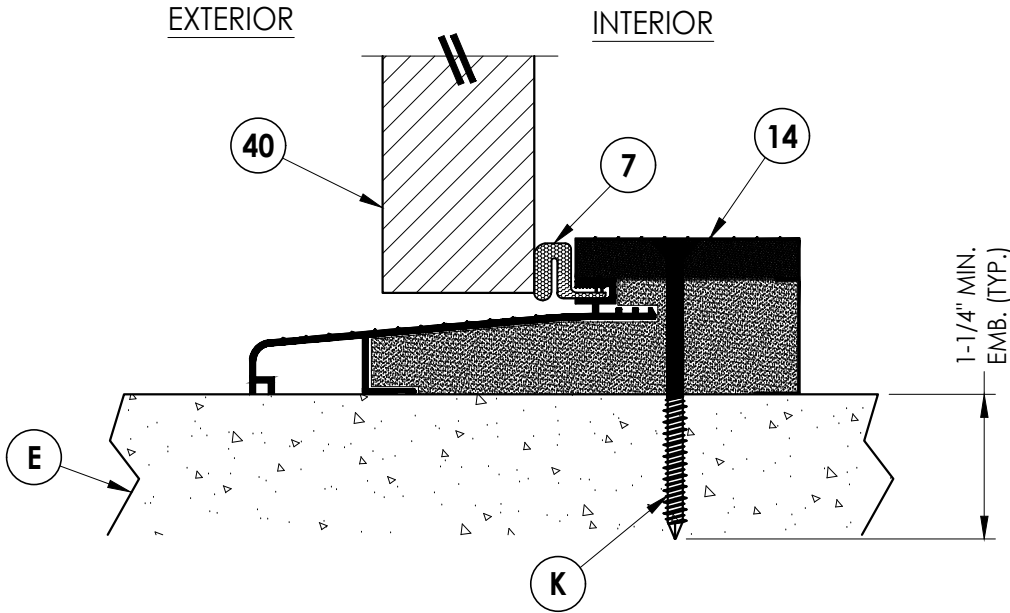


1
6 **VERTICAL CROSS SECTION**
Inswing Threshold

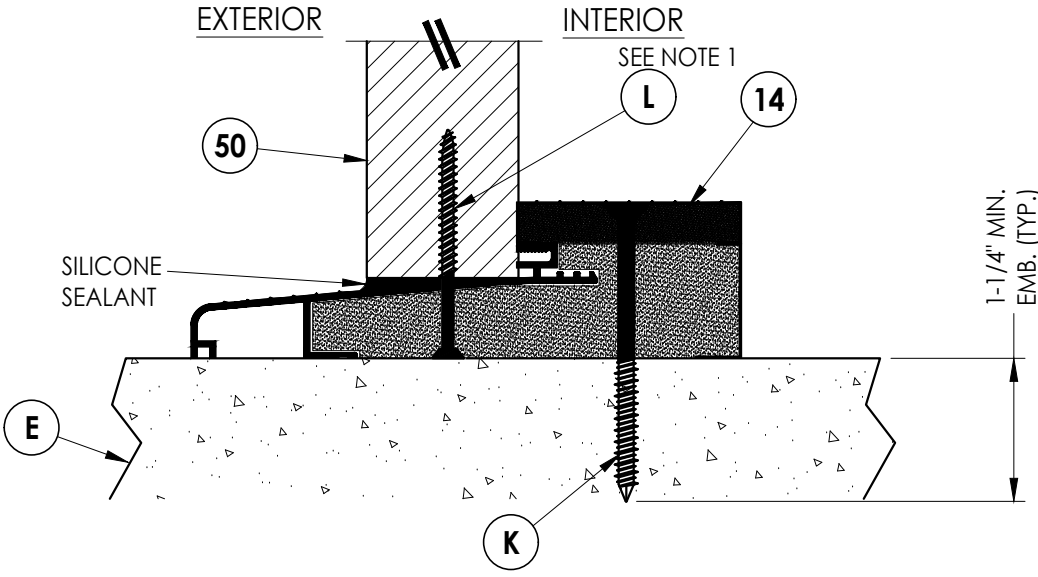


3
6 **VERTICAL CROSS SECTION**
Inswing Threshold

NOTE:
1. Spacing for item 22: 10" from each end (2 total)



2
6 **VERTICAL CROSS SECTION**
Outswing Threshold



4
6 **VERTICAL CROSS SECTION**
Outswing Threshold

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:	NOVA PLASTECH COMPONENTS	
	PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS	
		BY	DATE
2	9/13/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	2/10/21	UPDATE TO 7TH ED. (2020)	FBC LFS

DATE: 6/7/18

SCALE: N.T.S.

DWG. BY: JK

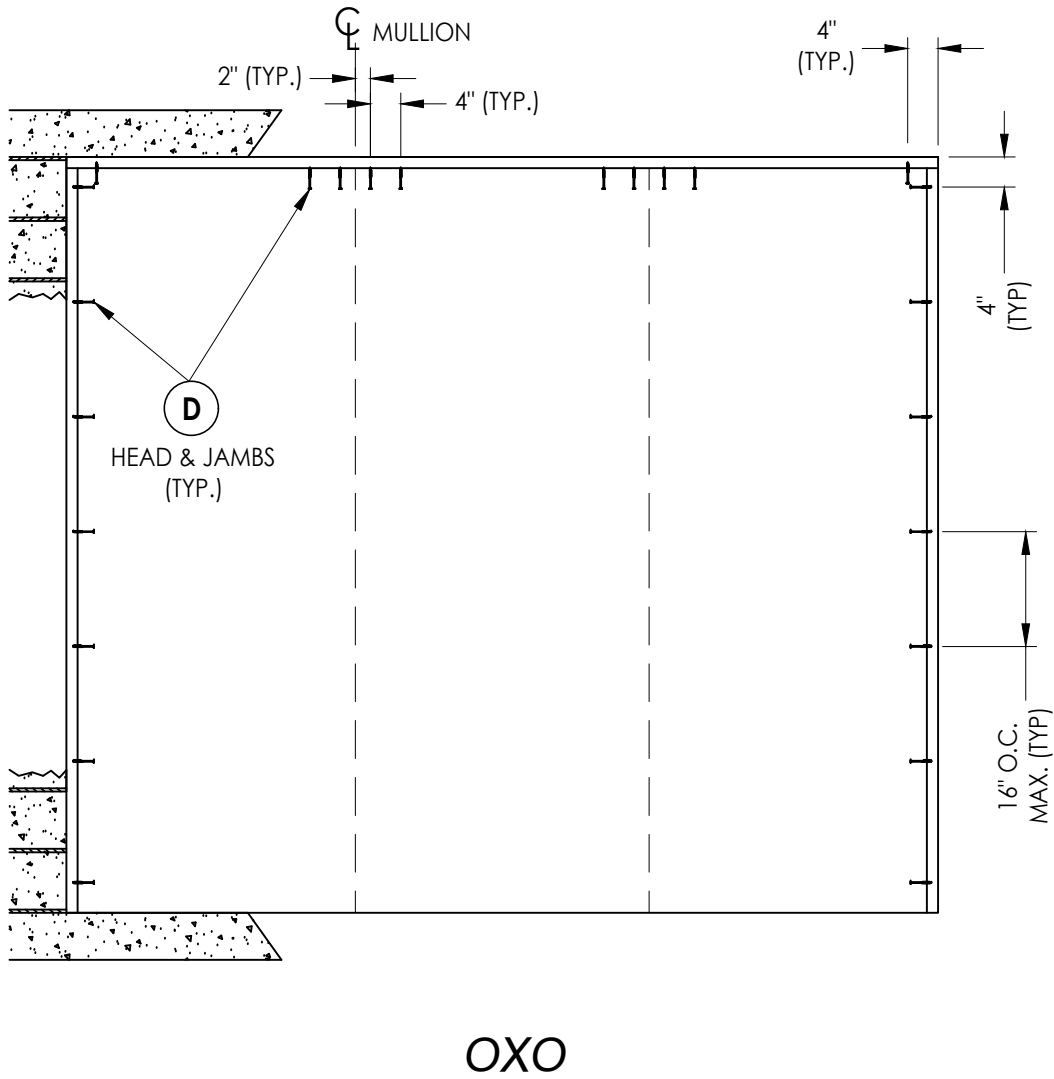
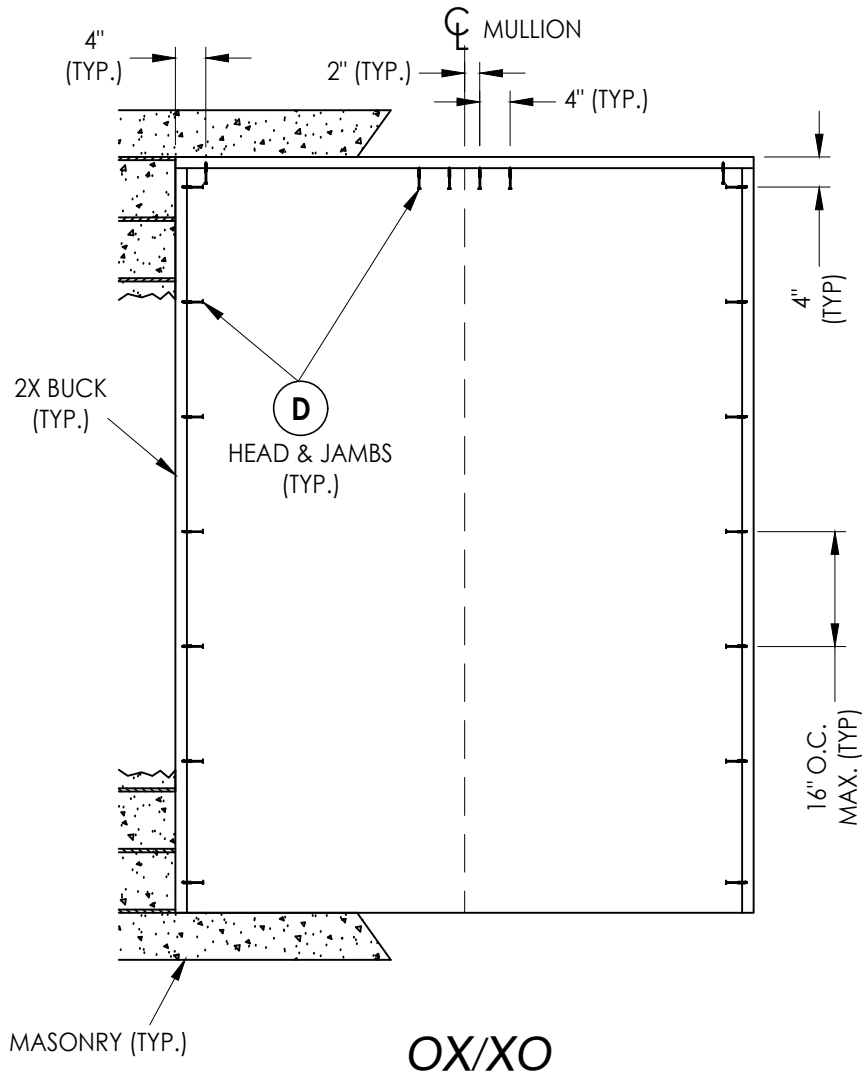
CHK. BY: LFS

DRAWING NO.:

FL-27194.2

SHEET 6 OF 9

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2X BUCK ANCHORING

DATE: 6/7/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27194.2

SHEET 7 OF 9

PRODUCT:

NOVA PLASTECH
COMPONENTS

PART OR ASSEMBLY:

2X BUCK ANCHORING
(O/X, X/O, OXO)

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

RW

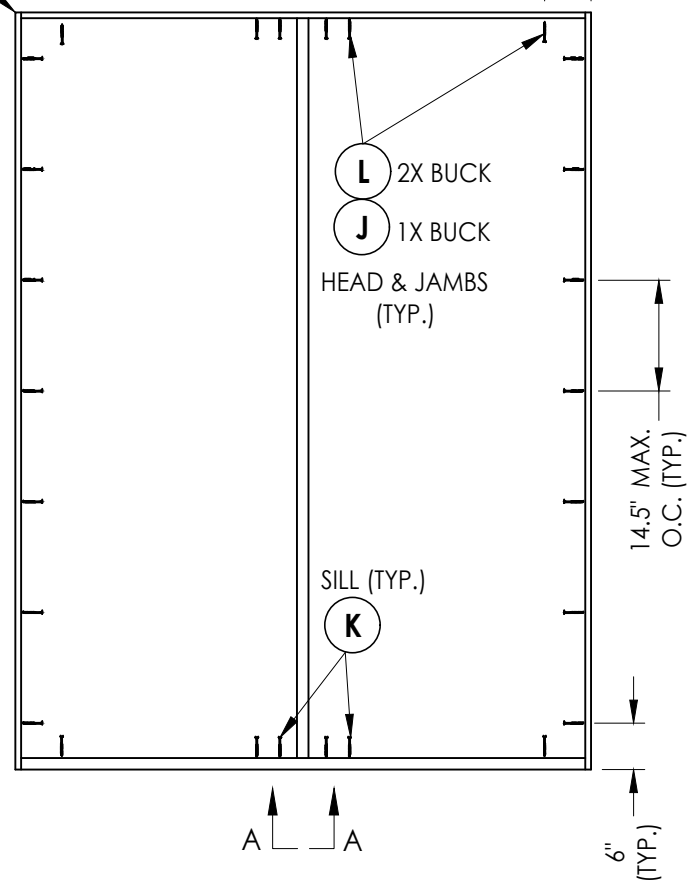
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

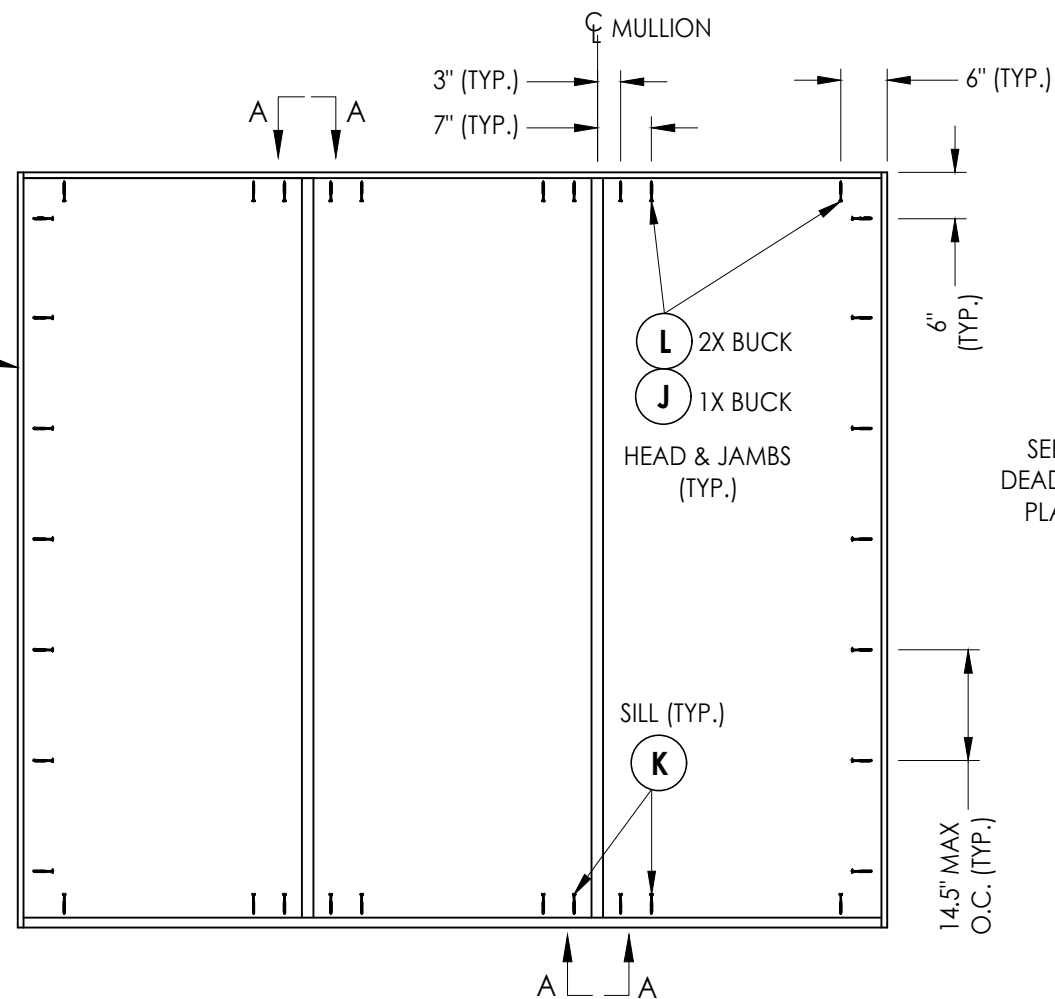
Phone No.: 813.659.9197

FBPE Registry No. 9813

REVISIONS



OX/XO



OXO

SEE LATCH &
DEADBOLT STRIKE
PLATE DETAIL

SEE HINGE
DETAIL
(TYP.)

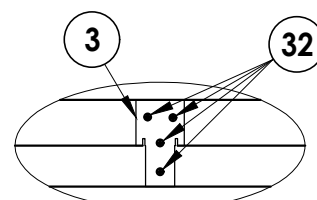
STRIKE JAMB/MULLION

HINGE JAMB/MULLION

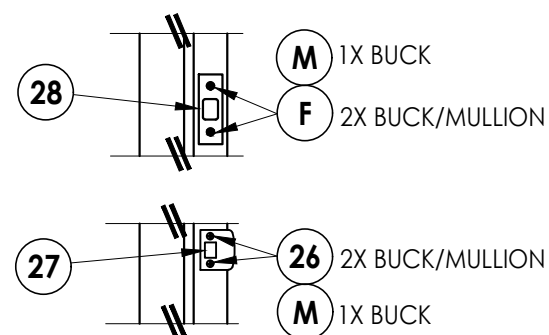
8'-0" Door Shown (4 hinges)
6'-8" Door (3 hinges)

FRAME ANCHORING

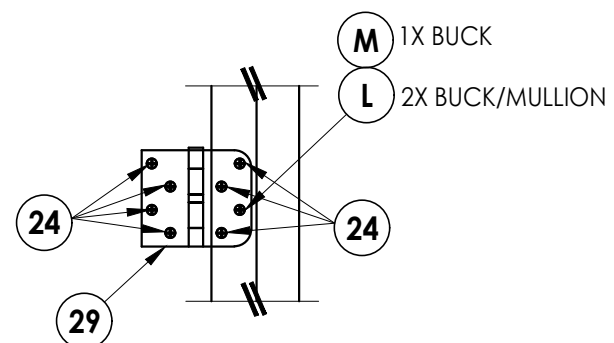
NOTE:
SEE SEPARATE SIDE-HINGED DOOR & SIDELITE
FLORIDA PRODUCT APPROVAL FOR DOOR & SIDELITE
CONSTRUCTION DETAILS NOT SHOWN, INCLUDING
LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD
CONNECTIONS.



VIEW A-A
(TYP. @ HEAD & SILL)



LATCH & DEADBOLT STRIKE PLATE DETAIL



HINGE DETAIL

[illegible]

Z:\2023 FBC Drawings\Qingdal Sea Nova Building Profiles\FL-27194 R3\FL-27194.2.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#12 X 2-1/2" PFH SMS	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (NOVA PLASTECH)	COMPOSITE
3	COMPOSITE MULLION (NOVA PLASTECH)	COMPOSITE/LVL
7	WEATHERSTRIP	FOAM
13	INSWING THRESHOLD (NOVA PLASTECH)	ALUM/COMP
14	OUTSWING THRESHOLD (NOVA PLASTECH)	ALUM/COMP
22	#10 X 2" PFH WOOD SCREW	STEEL
24	#10 X 3/4" PFH SMS	STEEL
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	#10 X 3" PFH WOOD SCREW	STEEL
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-
50	SIDELITE PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-

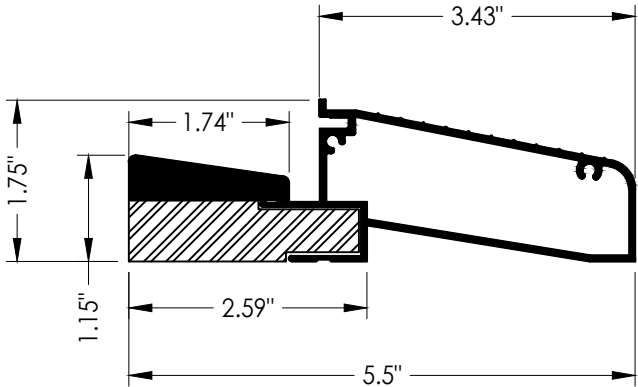
CONCRETE ANCHOR NOTES:

- 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:

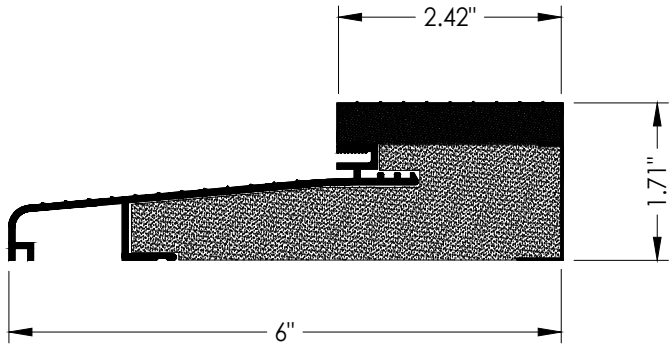
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

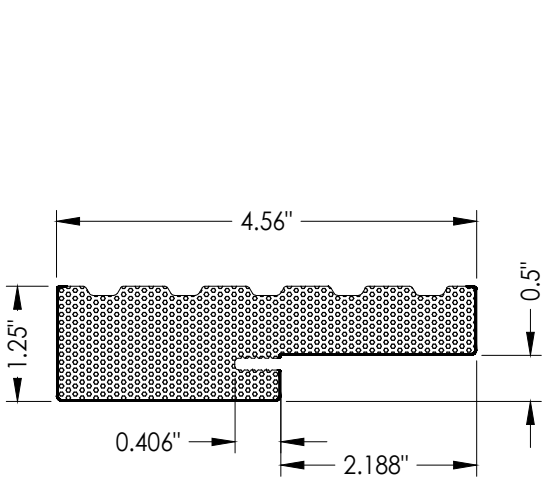
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



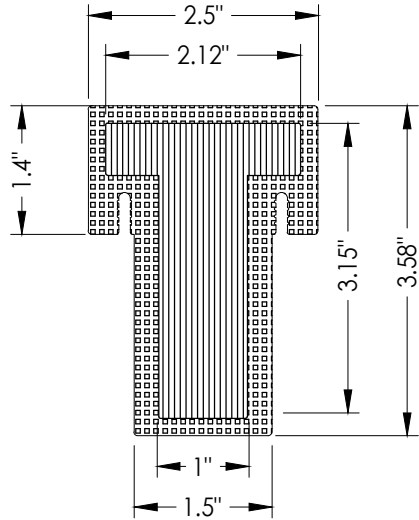
13 INSWING THRESHOLD



14 OUTSWING THRESHOLD



1 NOVA JAMB



3 MULLION

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: NOVA PLASTECH
COMPONENTS

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	2/10/21	UPDATE TO 7TH ED. (2020) FBC LFS
BY		

DATE: 6/7/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-27194.2

SHEET 9 OF 9