

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			
B. SLIDING	Energi Fenestration Sol	Opera NG Door	#17058.4
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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: _____



FLORIDA DEPARTMENT OF Business & Professional Regulation

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Product Approval
USER: Public User

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 Application Detail

OFFICE OF THE
SECRETARY

FL #	FL17058-R3
Application Type	Affirmation
Code Version	2020
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Energi Fenestration Solutions
Address/Phone/Email	1085 Des Cheminots Terrebonne, NON-US J6W 0A1 (450) 668-5549 michel.pepin@energifenestration.com
Authorized Signature	Luis Lomas rllomas@lrlomaspe.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Exterior Doors
Subcategory	Sliding Exterior Door Assemblies
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute
Validated By	National Accreditation & Management Institute

17058.4

Referenced Standard and Year (of Standard)

Standard

AAMA/WDMA/CSA 101/I.S.2/A440

Year

2008

Equivalence of Product Standards
Certified By

☒ I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity ☐ Yes ☐ No ☐ N/A

Product Approval Method

Method 1 Option A

Date Submitted

01/18/2021

Date Validated

01/18/2021

Date Pending FBC Approval

Date Approved

01/24/2021

Summary of Products

FL #	Model, Number or Name	Description
17058.1	Vinyl Sliding Glass Door	Series Opera NG Vinyl Sliding Glass Door OX & XO
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +20/-20 Other:		Certification Agency Certificate FL17058 R3 C CAC NI011947-R3.pdf Quality Assurance Contract Expiration Date 08/31/2024 Installation Instructions FL17058 R3 II 08-02329B.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL17058 R3 AE 513087B.pdf Created by Independent Third Party: Yes
17058.2	Vinyl Sliding Glass Door	Series Opera NG Vinyl Sliding Glass Door OX & XO
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Certification Agency Certificate FL17058 R3 C CAC NI011945-R2.pdf Quality Assurance Contract Expiration Date 11/30/2022 Installation Instructions FL17058 R3 II 08-02330B.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL17058 R3 AE 513088B.pdf Created by Independent Third Party: Yes
17058.3	Vinyl Sliding Glass Door	Series Opera NG Vinyl Sliding Glass Door with Transom
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Certification Agency Certificate FL17058 R3 C CAC NI011946-R3.pdf Quality Assurance Contract Expiration Date 07/31/2024 Installation Instructions FL17058 R3 II 08-02331B.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL17058 R3 AE 513089B.pdf Created by Independent Third Party: Yes
17058.4	Vinyl Sliding Glass Door	Series Opera NG Patio Door, 4 5/8" Vinyl Sliding Glass Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL17058 R3 C CAC NI011238.01-R2.pdf Quality Assurance Contract Expiration Date 08/31/2023 Installation Instructions FL17058 R3 II 08-02332B.pdf Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes Evaluation Reports FL17058 R3 AE 513090B.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



Credit Card
Safe

securityMETRICS

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: EXTRUDED RIGID PVC.
12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, WITH SAFETY GLAZING.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING THROUGH FIN INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

15. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. FOR ANCHORING INTO METAL STRUCTURE USE #8 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
18. ALL FASTENERS TO BE CORROSION RESISTANT.
19. 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 BELOW:
A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .048" THICK MINIMUM
20. APPROVED CONFIGURATIONS: OX, XO.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/15/15	R.L.
B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.

SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS

1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA

SERIES OPERA NG 4 5/8" FRAME VINYL SGD
71" x 80" NON-IMPACT OX & XO
NOTES

DRAWN: N.G.	DWG NO. 08-02332	REV. B
SCALE NTS	DATE 05/13/14	SHEET 1 OF 10

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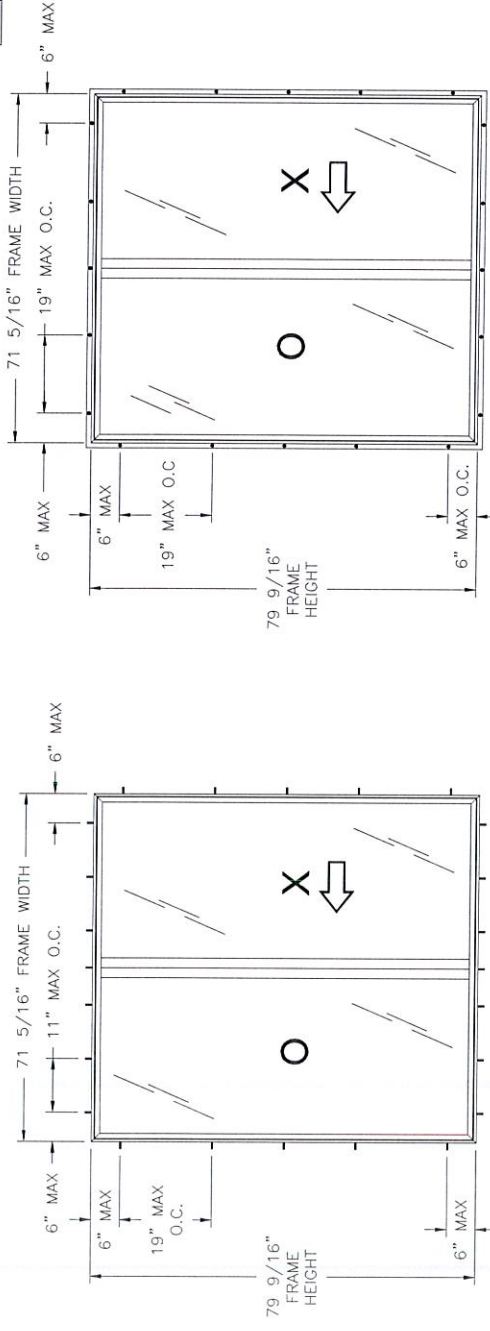
Luis R. Lomas P.E.
FL No.: 62514

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2	ELEVATIONS
3	CROSS SECTIONS AND B.O.M.
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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
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B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.

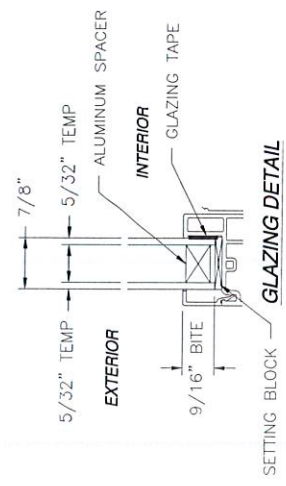


SERIES OPERA NG VINYL SLIDING GLASS DOOR
EXTERIOR VIEW
FIN INSTALLATION

SERIES OPERA NG VINYL SLIDING GLASS DOOR
EXTERIOR VIEW
FIN INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

36 1/4\" X 76 3/4\" PANEL SHOWN. OTHER SIZES APPROVED AS LONG
AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 19.32 FT²



- NOTES:
1. ACTIVE PANEL SIZE: 36 1/4\" X 76 3/4\"
 2. FIXED PANEL SIZE: 36 1/4\" X 76 3/4\"
 3. D.L.O. FOR ALL PANELS: 31 3/4\" X 72 1/4\"

SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS

1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA

SERIES OPERA NG 4 5/8\" FRAME VINYL SGD
71\" x 80\" NON-IMPACT OX & XO
ELEVATIONS

DRAWN:
N.C.

DATE
05/13/14

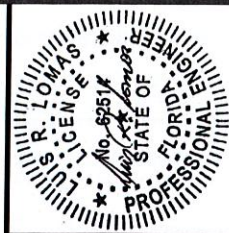
SCALE
NTS

REV
B

DWG NO.
08-02332

SHEET 2 OF 10

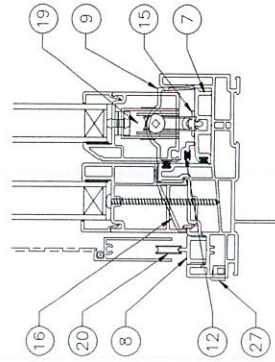
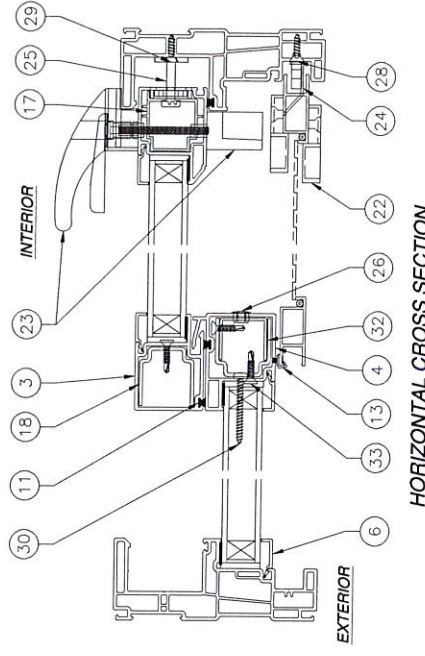
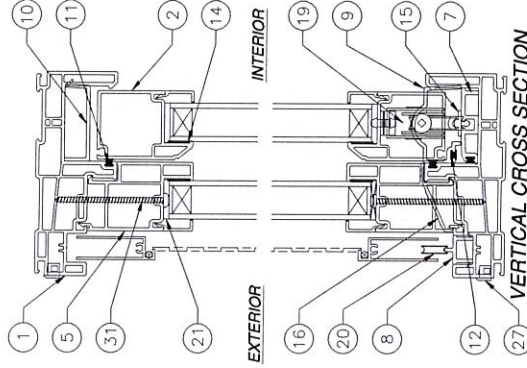
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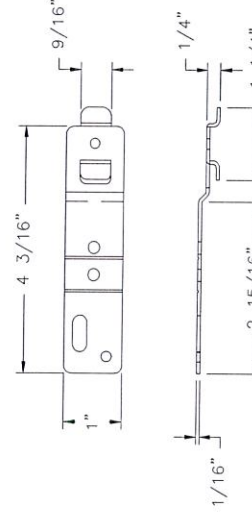
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FL No.: 62514

BILL OF MATERIALS			
ITEM NO.:	PART NUMBER	DESCRIPTION	MATERIAL
1	7060	FRAME	ENERGI FENESTRATION SOLUTIONS RIGID PVC
2	7076	OPERATING SASH	ENERGI FENESTRATION SOLUTIONS RIGID PVC
3	7080	OPERATING MEETING RAIL SASH	ENERGI FENESTRATION SOLUTIONS RIGID PVC
4	7054	FIXED MEETING RAIL SASH	ENERGI FENESTRATION SOLUTIONS RIGID PVC
5	7057	FIXED SASH	ENERGI FENESTRATION SOLUTIONS RIGID PVC
6	7021	7/8" GLAZING BEAD	ENERGI FENESTRATION SOLUTIONS RIGID PVC
7	7055	SILL ADAPTOR	ENERGI FENESTRATION SOLUTIONS RIGID PVC
8	7059	SCREEN ADAPTOR	ENERGI FENESTRATION SOLUTIONS RIGID PVC
9	7010	SASH STOP	ALUMINUM 6063-T5
10	7018	HEAD BLOCK	ALUMINUM 6063-T5
11	HF-7320-187	WEATHER STRIP	ALUMINUM 6063-T5
12	PB-8315-187	WEATHER STRIP	UL TRAFAB
13		WEATHER STRIP	
14		12.7" X 1.6MM GLAZING TAPE	
15		ROLLING TRACK	
16		THRESHOLD	ALUMINUM 6063-T5
17		HANDLE REINFORCEMENT	ALUMINUM 6063-T5
18		MEETING RAIL REINFORCEMENT	STEEL
19		TANDEM ROLLER	
20		SCREEN ROLLER	
21		23" X 50.8" X 3.2MM SETTING BLOCK	
22		INT & EXT SCREEN HANDLE	
23		INT & EXT SASH HANDLE	
24		SCREEN KEEPER	
25		SASH KEEPER	
26		SCREW/PLUG	
27	110-2550-10	VALVE	RO-MAI
28		#8 X 5/8" FH SCREWS	
29		#8 X 5/8" FH SCREWS	
30		#8 X 1 1/2" FH SCREWS	
31		#8 X 2 1/2" FH SCREWS	
32		MEETING RAIL REINFORCEMENT	
33		#8 X 3/4" FH SCREWS	STEEL

FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS REFER TO SHEETS 4 - 10



OPTIONAL FIN FRAME



INSTALLATION STRIP
GALVANIZED STEEL G60

SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS

1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA

SERIES OPERA NG 4 5/8" FRAME VINYL SGD
71" x 80" NON-IMPACT OX & XO
B.O.M. AND CROSS SECTIONS

DRAWN: N.C.	DWG NO. 08-02332	REV B
SCALE NTS	DATE 05/13/14	SHEET 3 OF 10

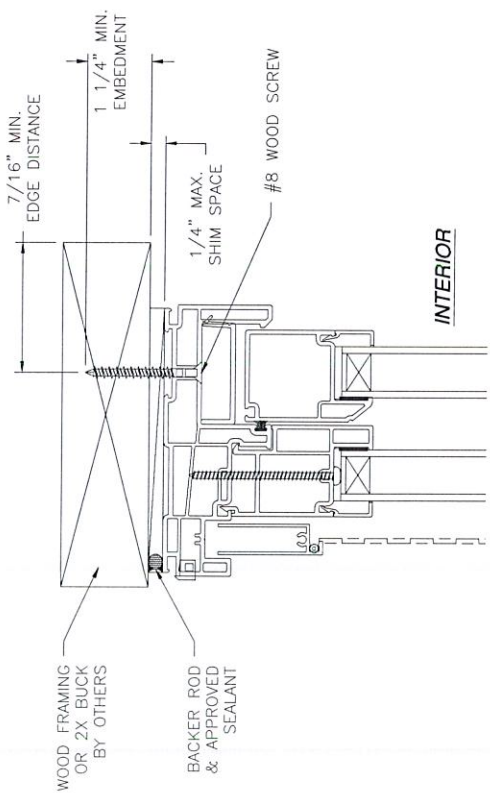
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434-688-0609 rlomas@lomaspe.com

Luis R. Lomas P.E.
FL No.: 62514



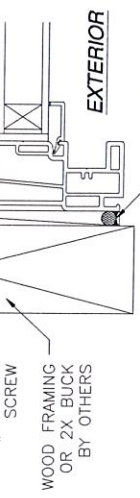
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/15/15	R.L.
B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.



EXTERIOR

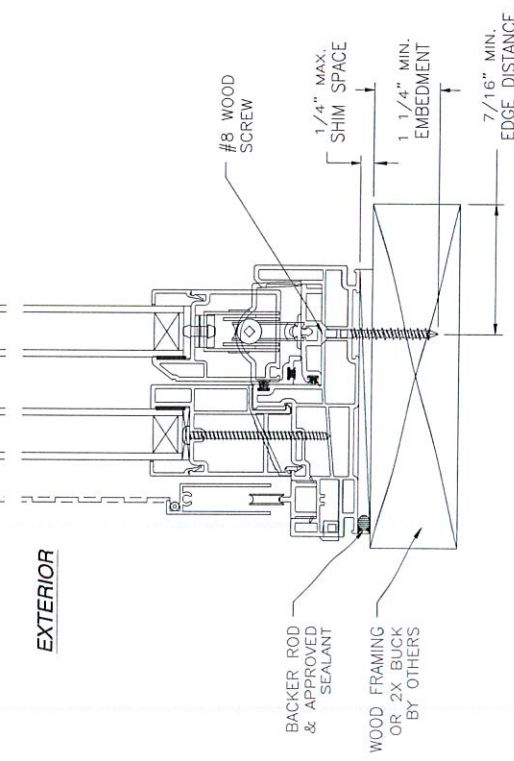
INTERIOR



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

WOOD FRAMING OR 2X BUCK BY OTHERS

BACKER ROD & APPROVED SEALANT



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/13/2018

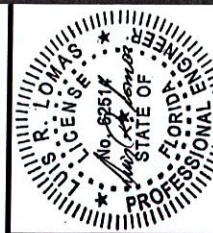
ENERGI FENESTRATION SOLUTIONS

1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA

SERIES OPERA NG 4 5/8" FRAME VINYL SGD
71" x 80" NON-IMPACT OX & XO
FRAME INSTALLATION DETAILS

DRAWN: N.C.	DWG NO. 08-02332	REV B
SCALE NTS	DATE 05/13/14	SHEET 4 OF 10

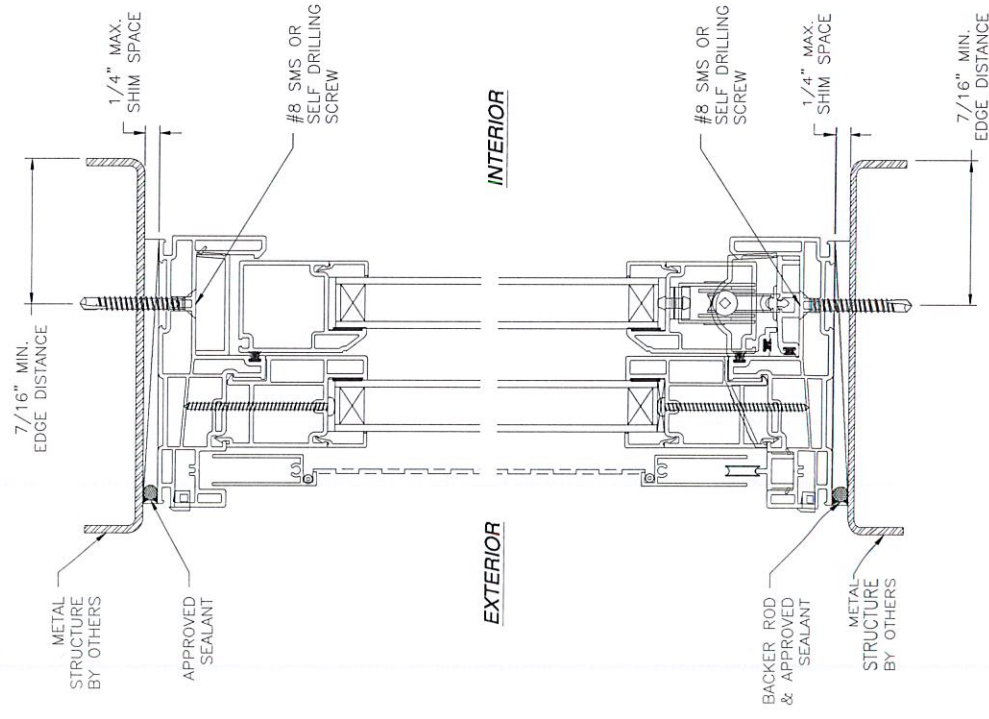
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REVISIONS

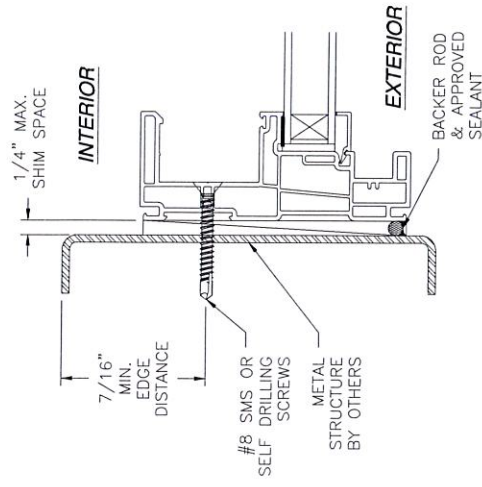
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VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

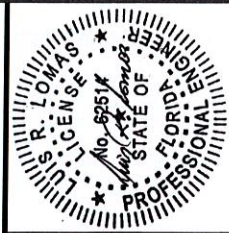
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E212

JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



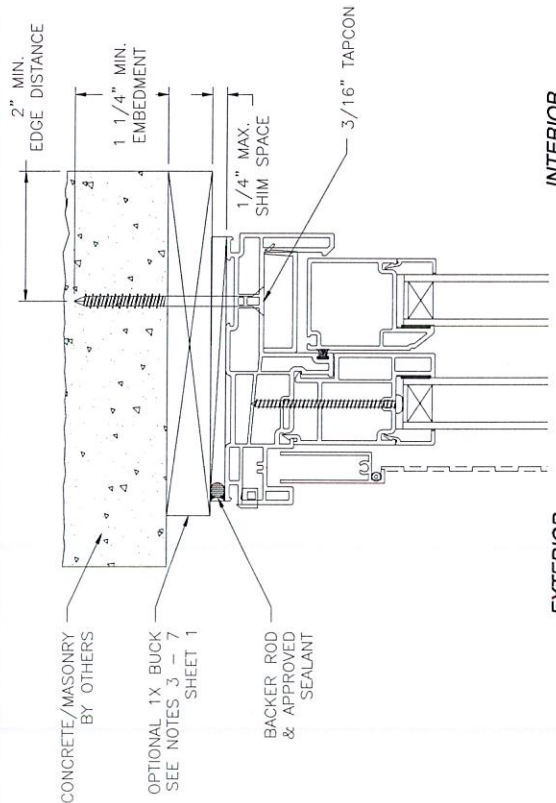
SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS 1085 DES CHEMINOTS TERREBONNE, QUEBEC, CANADA			
SERIES OPERA NG 4 5/8" FRAME VINYL SGD 71" X 80" NON-IMPACT OX & XO FRAME INSTALLATION DETAILS			
DRAWN: N.O.	DWG NO. 08-02332	REV B	SHEET 5 OF 10
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0603 rlomas@lomaspa.com			



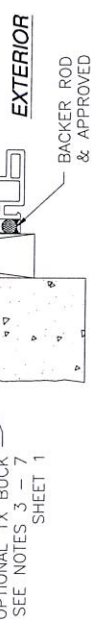
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INTERIOR

EXTERIOR

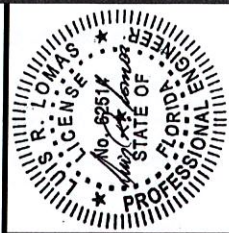


JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

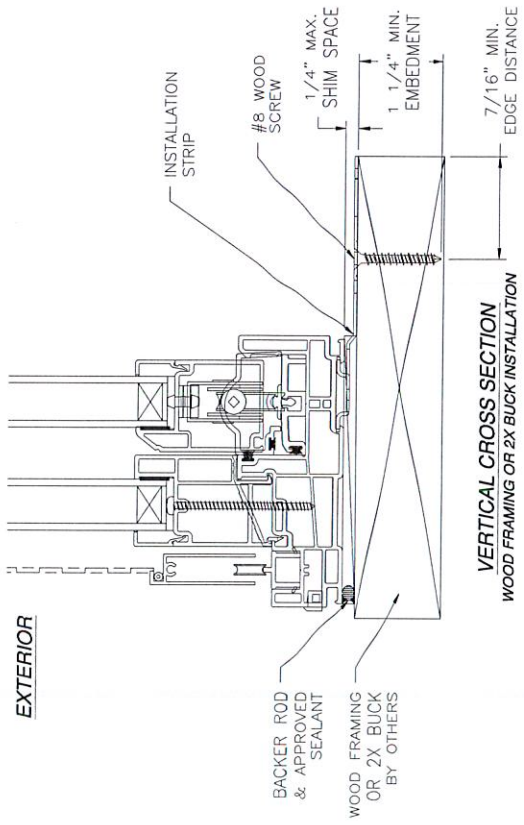
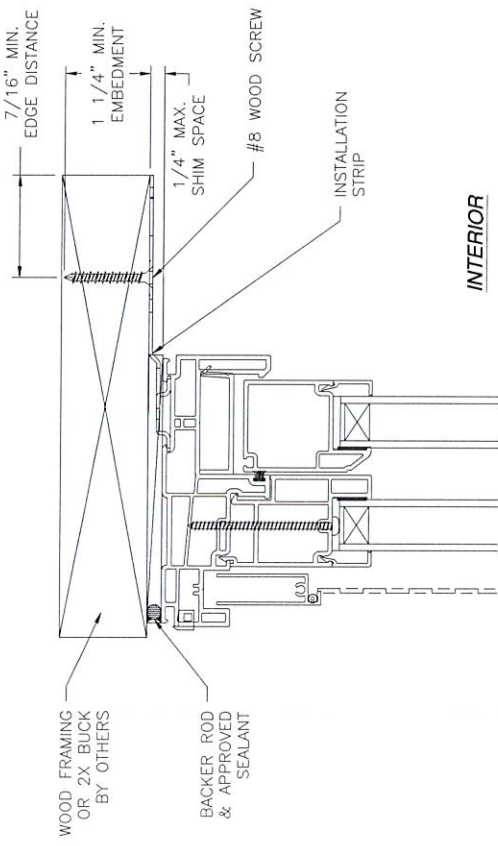
SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS			
1085 DES CHEMINOTS TERREBONNE, QUEBEC, CANADA			
SERIES OPERA NG 4 5/8" FRAME VINYL SGD 71" x 80" NON-IMPACT OX & XO FRAME INSTALLATION DETAILS			
DRAWN: N.G.	DWG NO. 08-02332	REV B	
SCALE NTS	DATE 05/13/14	SHEET 6	OF 10
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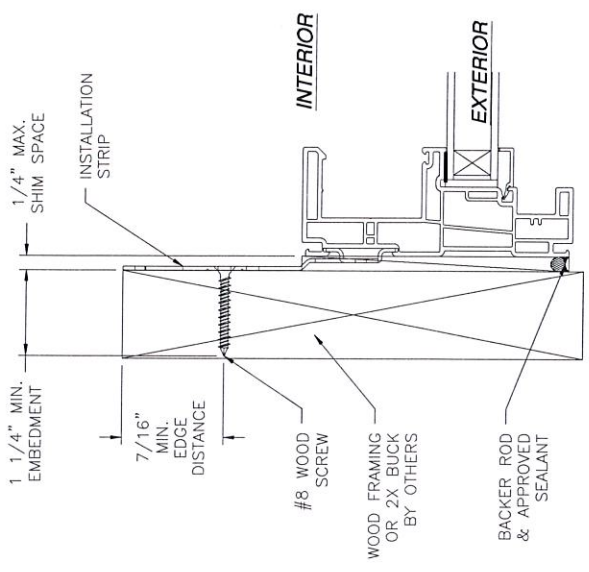
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B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

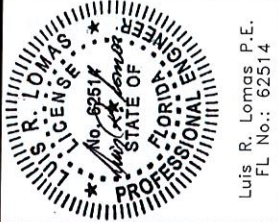
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E212



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

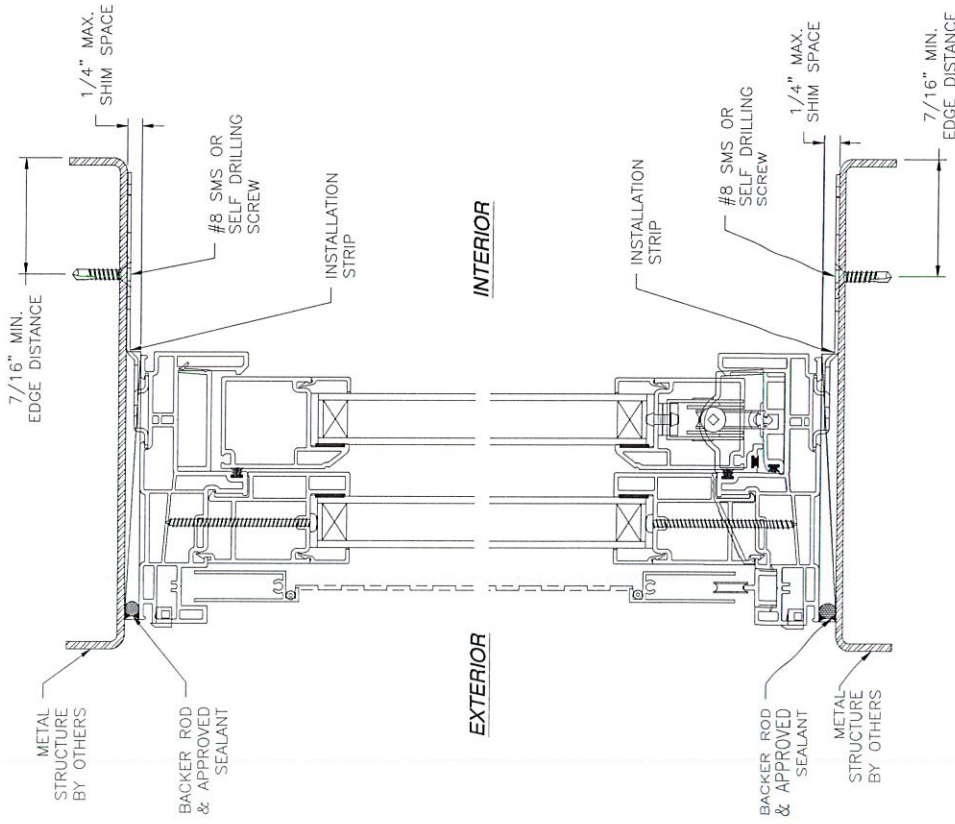
SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS 1085 DES CHEMINOTS TERREBONNE, QUEBEC, CANADA		DRAWN: N.G.		DWG NO. 08-02332	REV B
SERIES OPERA NG 4 5/8" FRAME VINYL SGD 71" x 80" NON-IMPACT OX & XO STRIP INSTALLATION DETAILS		DATE 05/13/14	SHEET 7	OF 10	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD. LEWISVILLE, NC 27023 434-688-0609 rlomas@lomaspe.com					



Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/15/15	R.L.
B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

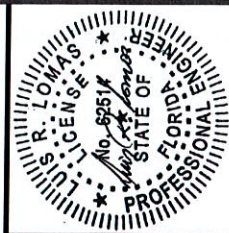
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E212

SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS
1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA
SERIES OPERA NG 4 5/8" FRAME VINYL SGD
71" x 80" NON-IMPACT OX & XO
STRIP INSTALLATION DETAILS

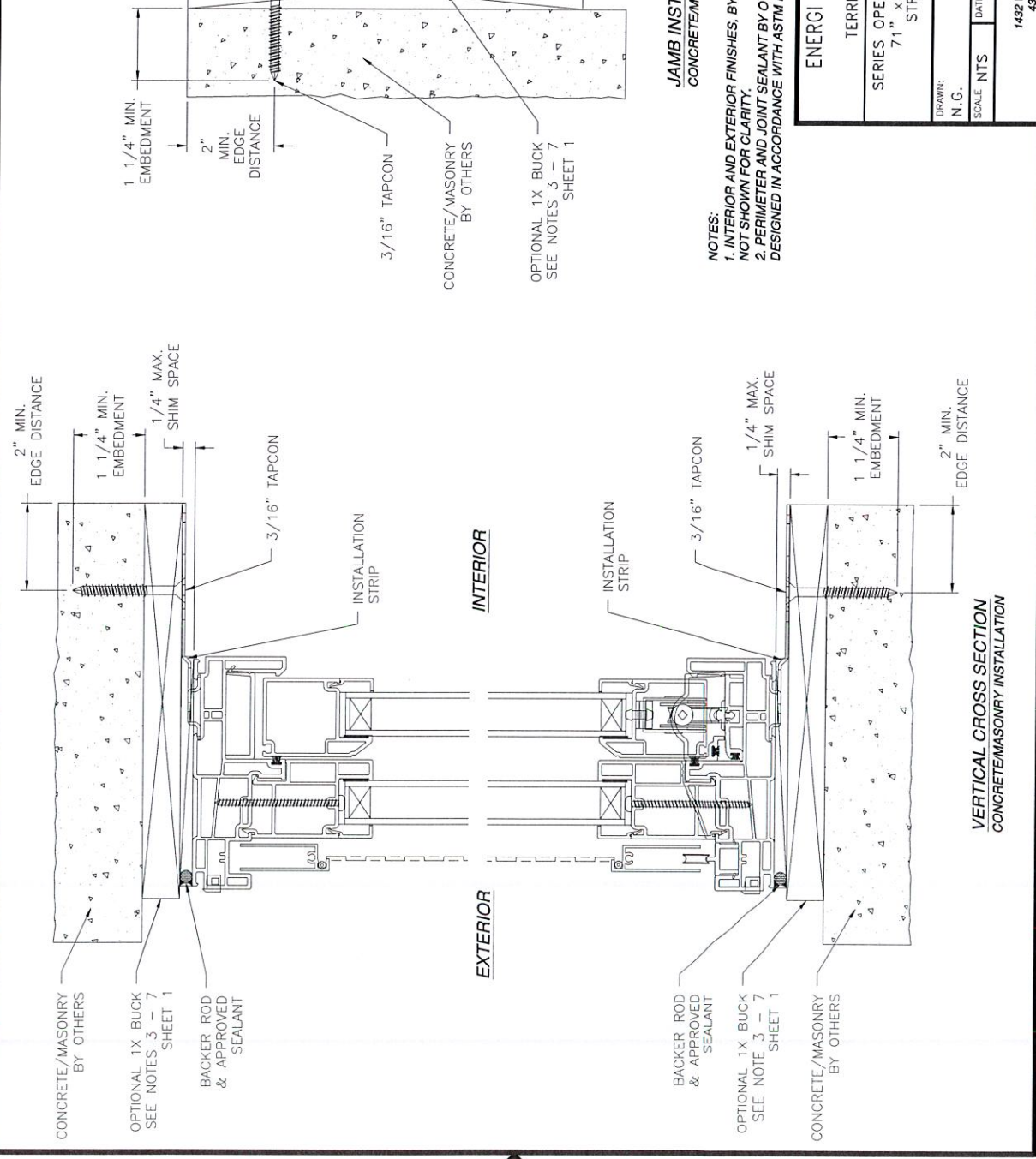
DRAWN: N.C.	DWG NO. 08-02332	REV B
SCALE NTS	DATE 05/13/14	SHEET 8 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0608 rllomas@lomaspe.com



Luis R. Lomas P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/15/15	R.L.
B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.



SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS

1085 DES CHEMINOTS
TERREBONNE, QUEBEC, CANADA

SERIES OPERA NG 4 5/8" FRAME VINYL SGD
71" x 80" NON-IMPACT OX & XO
STRIP INSTALLATION DETAILS

U.S. R. LOMAS
P.E.
No. 89514
FLORIDA
PROFESSIONAL ENGINEER

DRAWN: N.C.

DATE: 05/13/14

SCALE: NTS

DWG NO: 08-02332

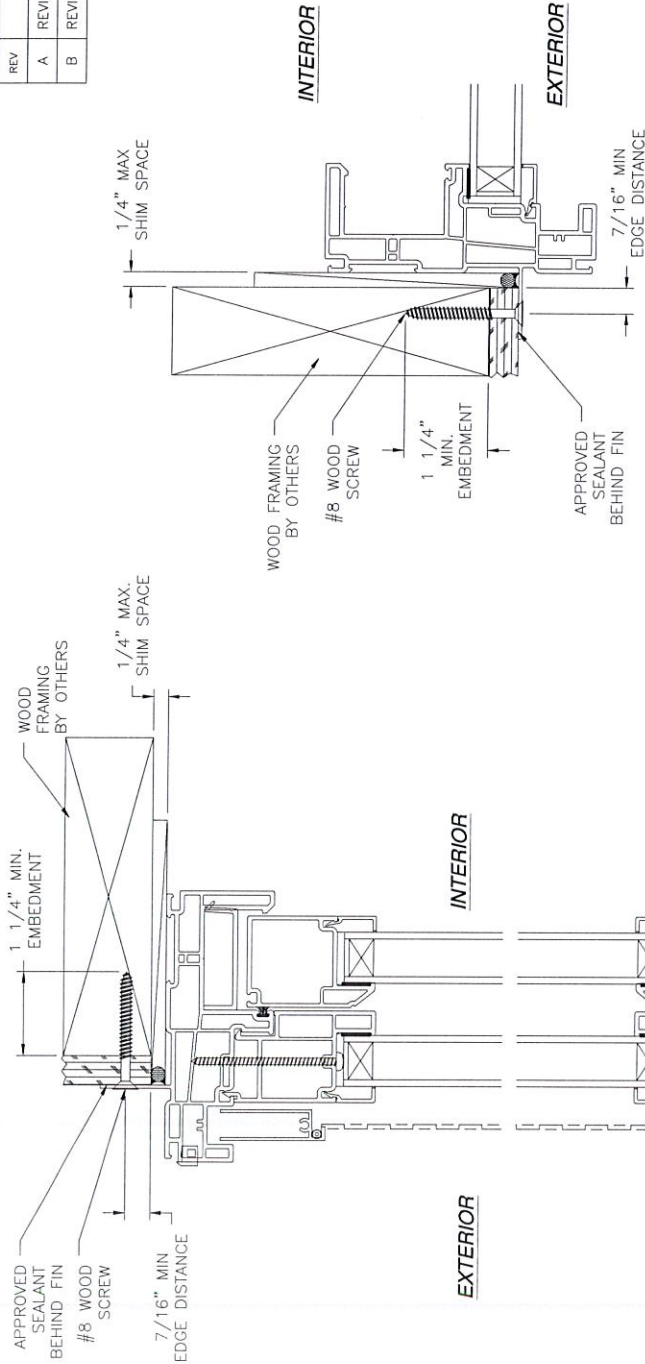
REV: B

SHEET 9 OF 10

L. ROBERTO LOMAS P.E.
1432 WOODFORD RD. LEWISVILLE, NC 27023
434-688-0603 rloomas@rloomaspe.com

Luis R. Lomas, P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED INSTALLATION DETAILS	05/15/15	R.L.
B	REVISED PER NEW REQUIREMENTS	03/13/18	R.L.



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

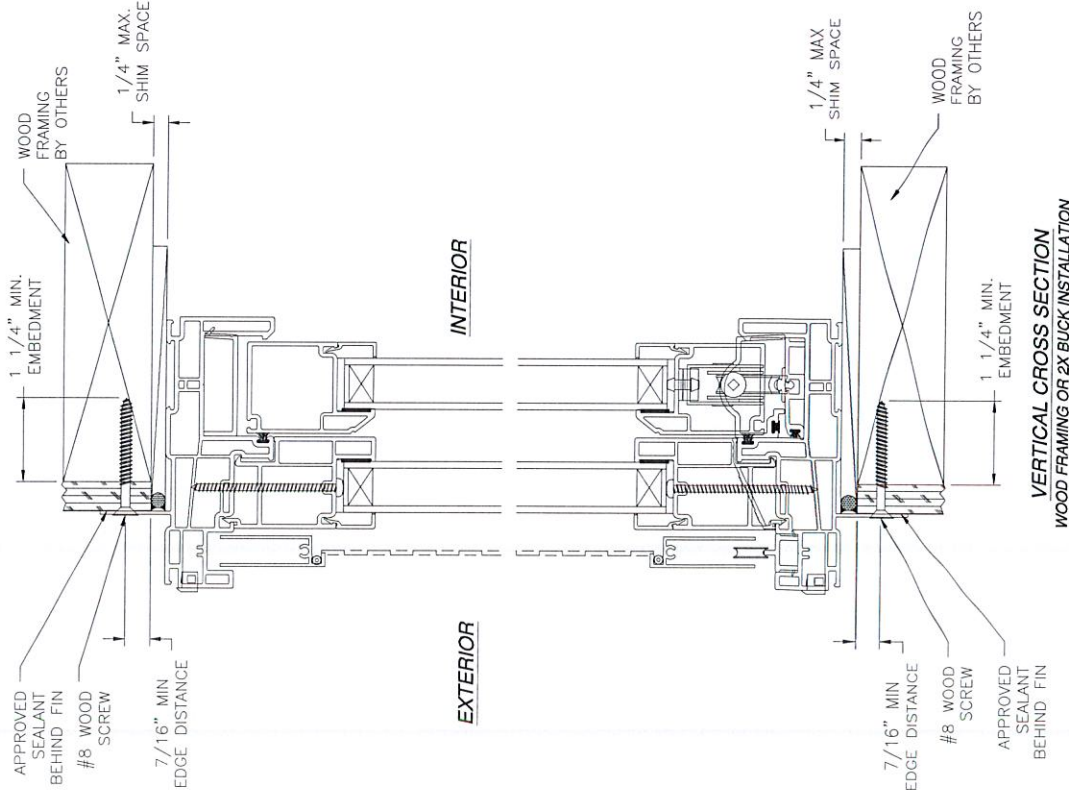
NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 03/13/2018

ENERGI FENESTRATION SOLUTIONS 1085 DES CHEMINOTS TERREBONNE, QUEBEC, CANADA	
SERIES OPERA NG 4 5/8" FRAME VINYL SGD 71" x 80" NON-IMPACT OX & XO FIN INSTALLATION DETAILS	
DRAWN: N.G.	DWG NO. 08-02332
DATE 05/13/14	REV B
SCALE NTS SHEET 10 OF 10 L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-686-0609 rloomas@lomaspe.com	



Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION