

FL #	Model, Number or Name	Description
993.1	a. 9750 SH	Extruded PVC Single Hung Tilt Window "Non-Impact" 1/8" Annealed Insulated Glass with Nail Fin (Nominal Overall Frame Size Max. 46 x 61)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50.0/-50.0 Other: See INST 993.1 for installation instructions. (Note - Glazing Shall comply with ASTM E1300-04)		Certification Agency Certificate FL993 R20 C CAC (b) 993.1 AAMA Cert.pdf Quality Assurance Contract Expiration Date 11/18/2025 Installation Instructions FL993 R20 II (c) Inst 993.1.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes Evaluation Reports FL993 R20 AE (c) Eval 993.1.pdf Created by Independent Third Party: Yes



AAMA CERTIFICATION PROGRAM
 An FGIA Product Certification Program
AUTHORIZATION FOR PRODUCT CERTIFICATION



Lippert Components, Inc. dba Kinro Windows
 3501 County Road 6 East
 Elkhart, IN 46514

Attn: Rob Luter

This authorization is based on the successful completion of tests, and the reporting to the AAMA Validator of the results of the tests by an AAMA Accredited Laboratory. The product information below will be added to the next update of the AAMA Certified Products Directory.

SPECIFICATION		RECORD OF PRODUCT TESTED			
AAMA/WDMA/CSA 101/I.S.2/A440-08 & A440S1-09 R-PG50*-1175x1549 (46x61)-H					
COMPANY AND CODE	CPD NO.	SERIES MODEL & PRODUCT DESCRIPTION		MAXIMUM SIZE TESTED	
Lippert Components, Inc. dba Kinro Windows Code: KIN	14722	9750 SH (PVC)(O/X)(OG)(INS GL) (MODIF)(REINF)(TILT) (ASTM)		<u>FRAME</u> 1175 mm x 1549 mm (3'10" x 5'1")	<u>SASH</u> 1130 mm x 759 mm (3'8" x 2'6")
Design Pressure (psf): +50/-50	Design Pressure (Pa): +2400/-2400	Water Test Pressure (Pa): 360		Canadian Air Infiltration/Exfiltration: A3	

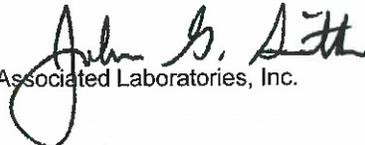
This Certification will expire **November 18, 2025** (extended from November 18, 2020 per AAMA 103-19) and requires validation until then by continued listing in the current AAMA Certified Products Directory.

Product Tested and Reported by: Intertek-ATI

Report No.: F2608.01-109-44

Date of Report: December 2, 2015 (Revised December 10, 2015)

Evaluated for Certification: August 11, 2020


 Associated Laboratories, Inc.

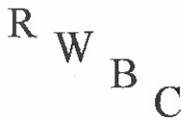
Authorized for Certification: August 11, 2020


 Fenestration and Glazing Industry Alliance



(Validator / Operations Administrator)

ACP-04 (Rev. 2/20)



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: FL-993.1

Date: September 18, 2023

Product Category	Sub Category	Manufacturer	Product Name
Windows	Single Hung	Lippert Components, Inc. 3501 CR 6 East Elkhart, IN 46514 Phone 574.535.1125	Model 9750 PVC Single Hung Window w/ Integral Nailing Fin "Non-Impact"

Scope: Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Lippert Components, Inc., based on Rule Chapter No. 61G20-3, Method 1A of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

Limitations:

1. This product anchoring has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone". See the Certification Agency Certificate for sizes, specifications and design pressure ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing, stucco, foam, brick and other wall coverings.
3. Wood screws shall be installed following installations instructions of ANSI/AWC NDS 2018. All other fastener types to be installed following fastener manufacture's installation instructions.
4. Fastener embedment depths, edge distance and center-center distances shall be specified by the fastener manufacture, but in no instance shall they be less than shown in drawing FL-993.1.
5. Where shims are used, they must be a "rigid / stiff" material that complies with the requirements of the FBC.
6. Positive and negative design pressure requirements for use with drawing FL-993.1 shall be determined by others for specific jobs in accordance with the governing code.
7. Site conditions that deviate from the details of drawing FL-993.1 require further engineering analysis by a licensed engineer or registered architect.

Supporting Documents:

- | | | | |
|--|--|--|---------------------------------------|
| 1. Test Report No.
F2608.01-109-44 | Test Standard
AAMA/WDMA/CSA 101/I.S.2/A440-08 | Testing Laboratory
Architectural Testing, Inc. | Signed by
Timothy J. McGill |
| 2. Drawing No.
No. FL-993.1 | Prepared by
RW Building Consultants, Inc. (#9813) | Signed & Sealed by
Lyndon F. Schmidt, P.E. | |
| 3. Calculations
Buck Anchoring
ASTM E 1300 Glass Load | Prepared by
RW Building Consultants, Inc. (#9813)
RW Building Consultants, Inc. (#9813) | Signed & Sealed by
Lyndon F. Schmidt, P.E. | |

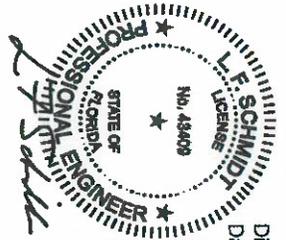
Digitally signed by
Lyndon F Schmidt
Date: 2023.09.18
10:44:01 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by L. F. Schmidt on 9-18-23.
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



3501 CR 6 EAST
ELKHART, IN 46514

MODEL 9750 PVC SINGLE HUNG WINDOW w/ NAILING FIN "NON-IMPACT"



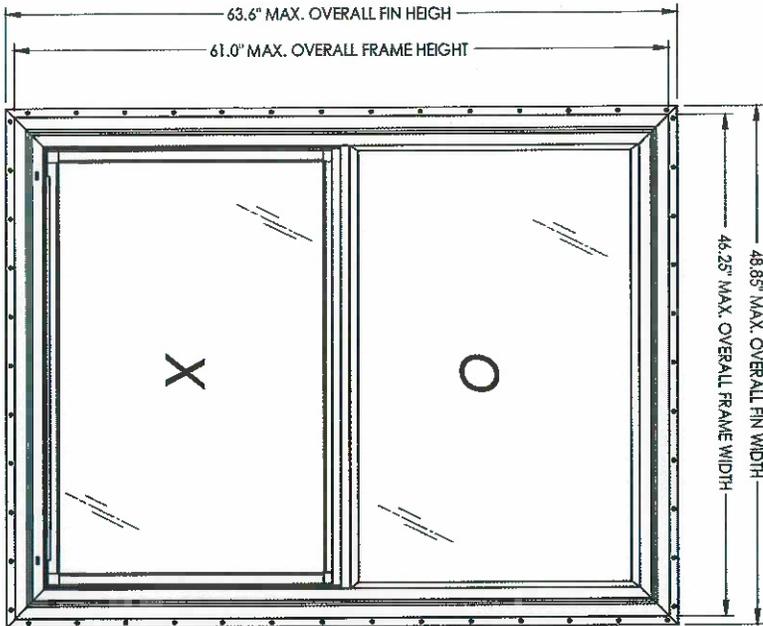
Digitally signed by Lyndon F Schmidt
Date: 2023.09.18 10:25:07 -0400

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

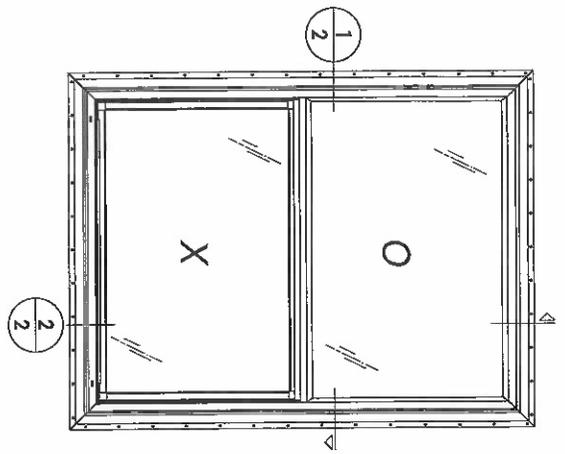
1. This product anchoring drawing has been developed in compliance with the 8th Edition [2023] Florida Building Code (FBC) excluding the "High Velocity Hurricane Zone". See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing, stucco, foam, brick and other wall coverings.
3. Wood screws shall be installed following installation instructions of ANSI/AWC NDS 2018. All other fastener types to be installed following fastener manufacturer's installation instructions.
4. Fastener embedment depths, edge distances and center-center distances shall be as specified by the fastener manufacturer but in no instance shall they be less than shown in this drawing.
5. Where shims are used, they must be a "rigid / stiff" material that complies with the requirements of the FBC.
6. Positive and negative design pressure requirements for use with this drawing shall be determined by others for specific jobs in accordance with the governing code.
7. Site conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections & bill of materials
3	Horizontal & vertical cross sections and glazing detail
4	Buck & frame anchoring

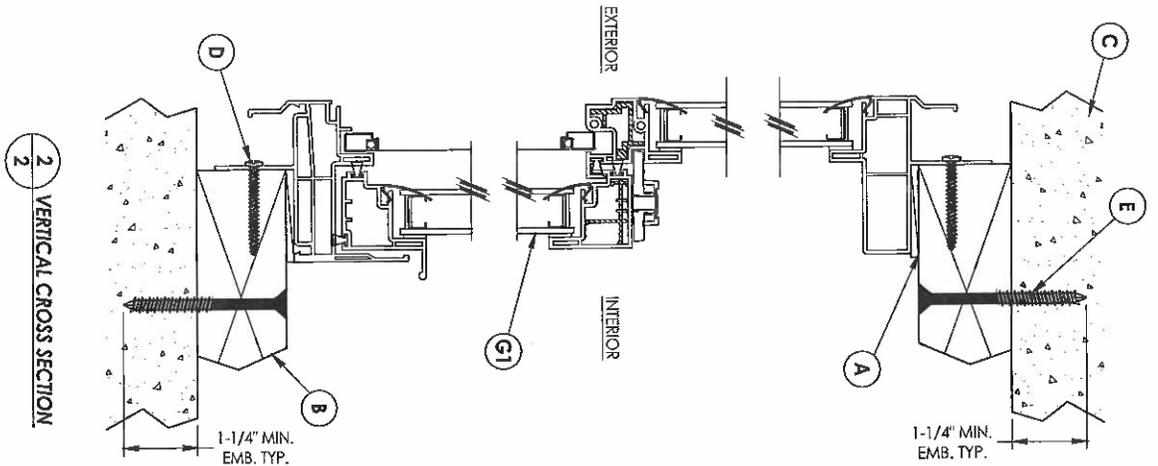
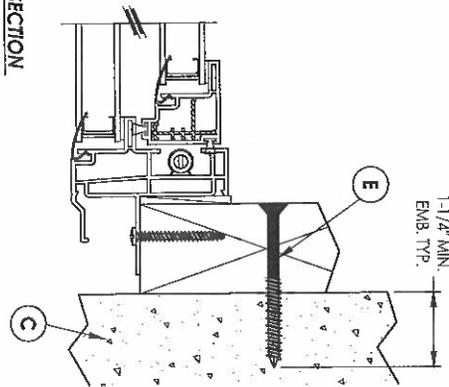
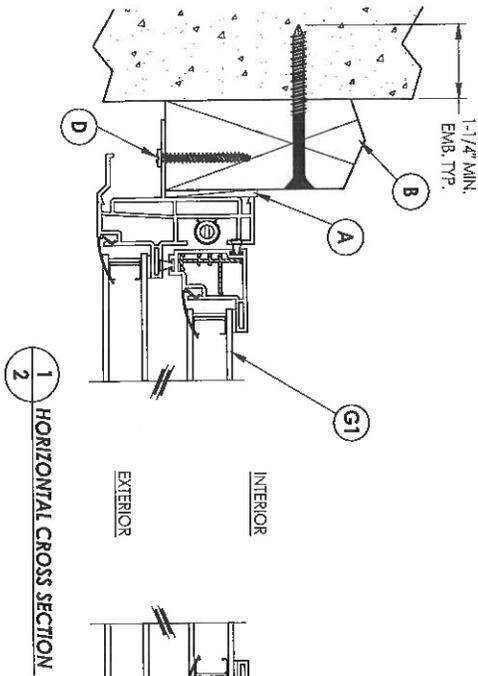


MAX. O.A. FIN DIMENSION	MAX. O.A. FRAME DIMENSION	DESIGN PRESSURE (PSF)	TEST PRESSURE (PSF)
48.85" x 63.6"	46.25" x 61.0"	+50.0	NEGATIVE

DATE: 6/01/10 SCALE: N.T.S. DWG. BR: AP CHK. BR: LFS DRAWING NO.: FL-993.1 SHEET: 1 OF 4		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>9/18/23</td> <td>UPDATE TO 8TH ED. (2023) FBC</td> <td>LFS</td> </tr> <tr> <td>8</td> <td>9/03/20</td> <td>UPDATE TO 7th ED. (2020) FBC</td> <td>DAC</td> </tr> <tr> <td>7</td> <td>10/03/17</td> <td>UPDATE TO 6th ED. (2017) FBC</td> <td>JK</td> </tr> <tr> <td>6</td> <td>2/23/16</td> <td>REVISE FRAME SIZE (NEW TEST)</td> <td>LFS</td> </tr> <tr> <td>5</td> <td>2/23/15</td> <td>UPDATE TO 5TH ED. (2014) FBC</td> <td>JK</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY	9	9/18/23	UPDATE TO 8TH ED. (2023) FBC	LFS	8	9/03/20	UPDATE TO 7th ED. (2020) FBC	DAC	7	10/03/17	UPDATE TO 6th ED. (2017) FBC	JK	6	2/23/16	REVISE FRAME SIZE (NEW TEST)	LFS	5	2/23/15	UPDATE TO 5TH ED. (2014) FBC	JK	PRODUCT: SINGLE HUNG WINDOW PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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8	9/03/20	UPDATE TO 7th ED. (2020) FBC	DAC																									
7	10/03/17	UPDATE TO 6th ED. (2017) FBC	JK																									
6	2/23/16	REVISE FRAME SIZE (NEW TEST)	LFS																									
5	2/23/15	UPDATE TO 5TH ED. (2014) FBC	JK																									



BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	
B	2X BUCK (SG >= 0.42)	WOOD
C	MASSONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
D	#8 X 1-3/4" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
E	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
F	#8 X 2-1/4" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
G	2X FRAMING (SG >= 0.42)	WOOD



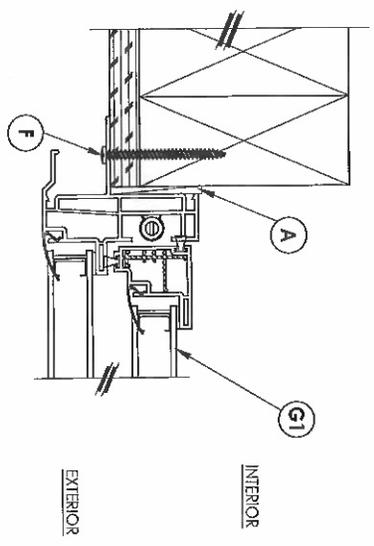
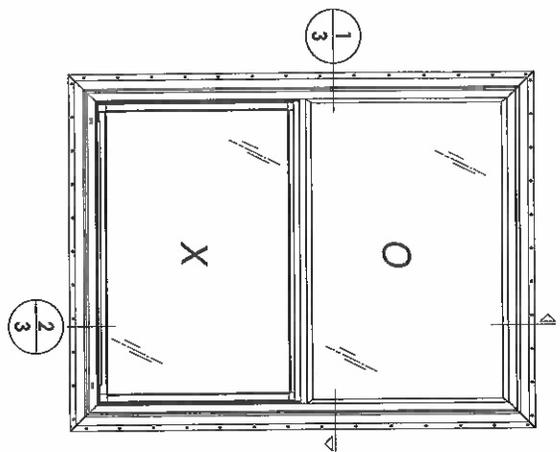
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PRODUCT:
SINGLE HUNG WINDOW

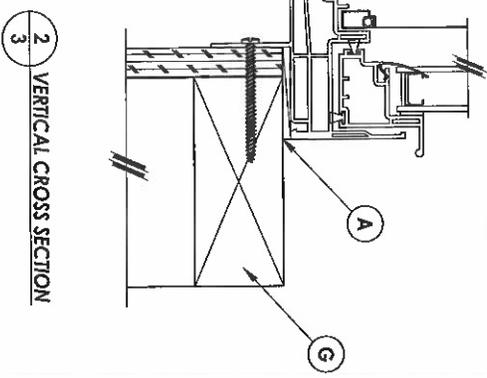
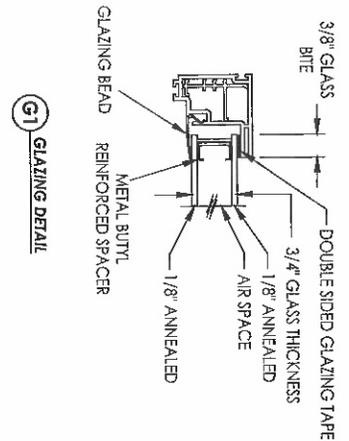
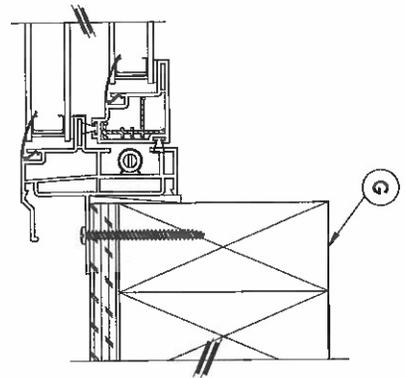
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS SECTIONS & BILL OF MATERIALS

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

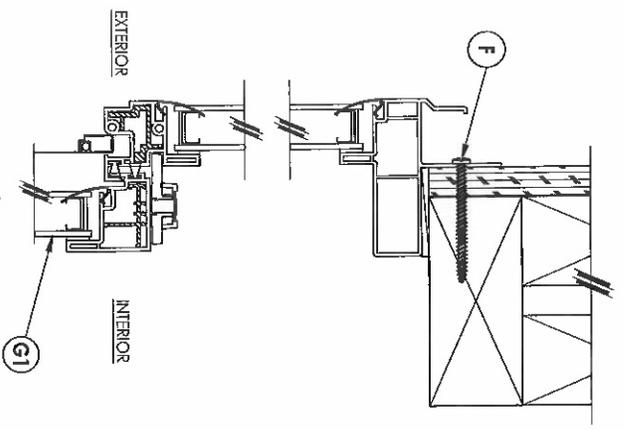
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION



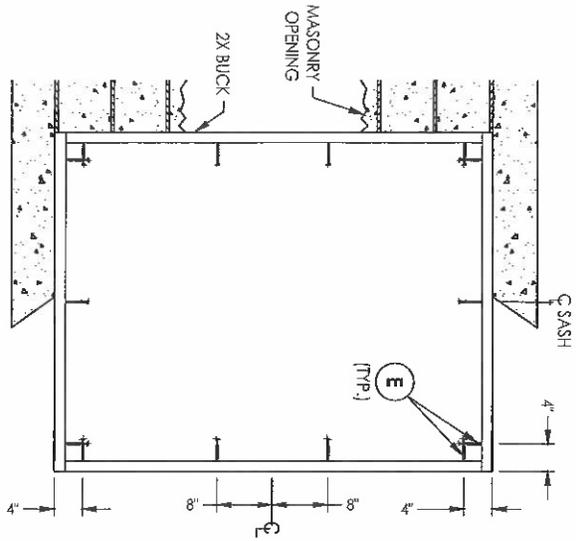
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PRODUCT:
SINGLE HUNG WINDOW

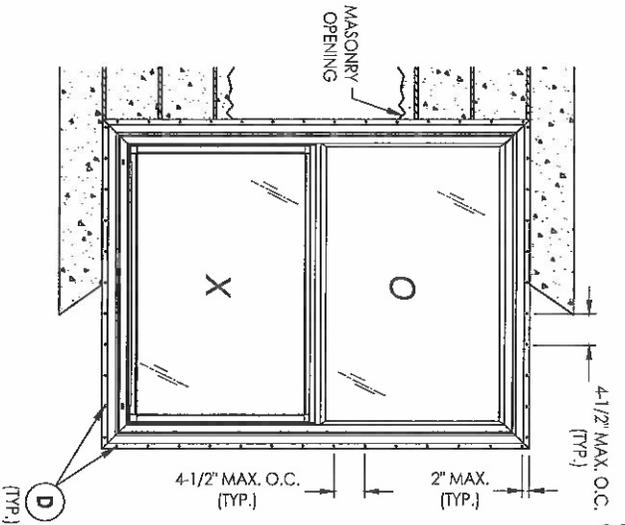
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS SECTIONS AND GLAZING DETAIL

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

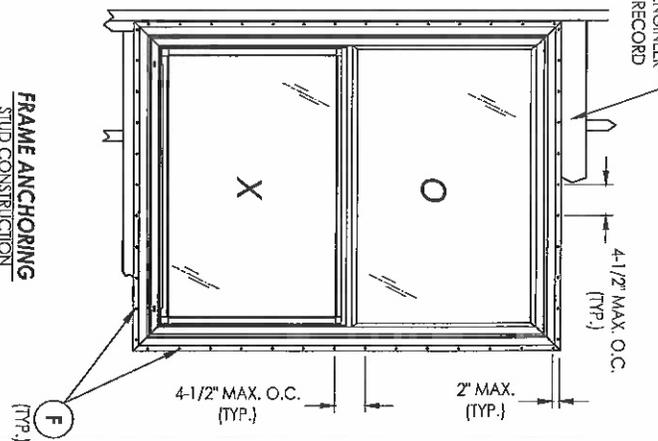
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



BUCK ANCHORING



**FRAME ANCHORING
MASONRY CONSTRUCTION**



**FRAME ANCHORING
STUD CONSTRUCTION**

2X FRAMING TO BE
DESIGNED BY THE ENGINEER
OR ARCHITECT OF RECORD

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

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

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

SHEET 4 OF 4	DRAWING NO.: FL-993, 1	CHK. BY: LFS	DWG. BY: AP	DATE: 6/01/10	SCALE: N.T.S.	REVISIONS		PRODUCT: SINGLE HUNG WINDOW PART OR ASSEMBLY: BUCK & FRAME ANCHORING	Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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