MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

WinDoor, Incorporated
7500 Amsterdam drive
Orlando, Florida, 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami–Dade County RER–Product Control Section to be used in Miami–Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami–Dade County Product Control Section (In Miami–Dade County) and/or the AHJ (in areas other than Miami–Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "8100" Aluminum Sliding Glass Door W/WO Reinforcements-L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-00875,** titled "8100 Series LMI: Reinforced & Non-reinforced", sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 12/03/09 with Revision C dated 06/15/15, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATION:

1. 3-1/2" sill riser item # 36(sheets 1 thru 7A) is limited to positive (exterior) Dp = **+100 PSF**, item #37 (4-1/2") sill riser to be used above +100 psf.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami–Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami–Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews NOA # 12-0130.13** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P. E.**

MIAMI-DADE COUNTY APPROVED

3/31/16

NOA No. 15-0723.12
Expiration Date: March 31, 2021
Approval Date: April 07, 2016

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 10-0209.12)
2. Drawing No. **08-00875,** titled "8100 Series LMI: Reinforced & Non-reinforced", sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 12/03/09 with Revision C dated 06/15/15, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3573-3** dated 07/31/09 and **revised** and **reissued** on 12/16/10 and **NCTL-210-3573-4** dated 07/30/09 and **revised** and **reissued** on 12/16/10, both signed & sealed by Gerald J, Ferrara, P.E.
(Note: This test reports have addendum letters dated 08/03/10 &11/29/10, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.
(Submitted under NOA No. 10-0209.12)

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2014, dated 07/15/15 and last revised on 03/10/16, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E1300–04.

D. QUALITY ASSURANCE

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Interlayer**" dated 06/25/15, expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.**, for **"Kuraray Butacite ® PVB"**, expiring on 12/11/2016.
3. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for **"Saflex CP – Saflex and Saflex HP Composite Glass Interlayer w/ PET core" (formerly Vanceva)**, expiring on 11/11/2018.

Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0723.12
Expiration Date: March 31, 2021
Approval Date: April 07, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continued)

4. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for "Saflex Clear and Color Glass Interlayers", expiring on 05/21/2016.

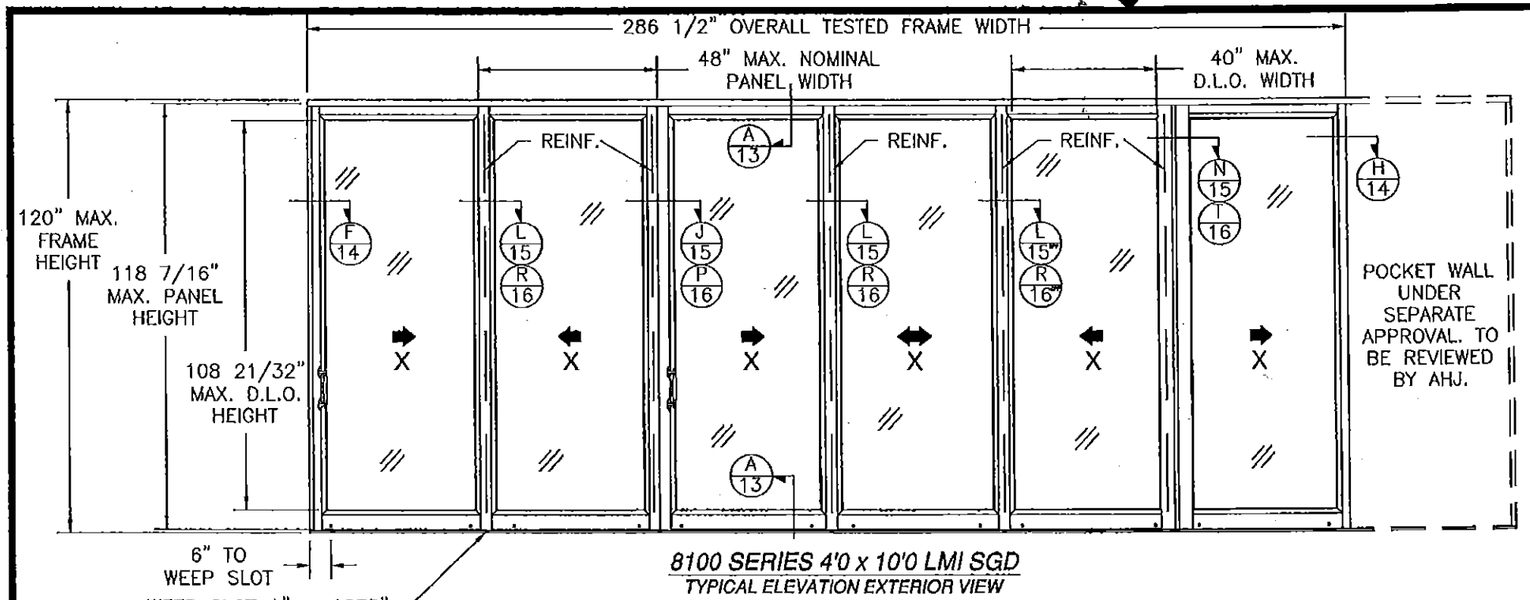
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC–2014, 5th edition**, issued, prepared, signed, sealed and dated 06/08/15 by Luis R. Lomas, P. E.
2. Statement letter of no financial interest, issued, prepared, signed, sealed and dated 06/08/15 by Luis R. Lomas, P.E.
3. Laboratory compliance statement, as part of above referenced test report.

G. OTHERS

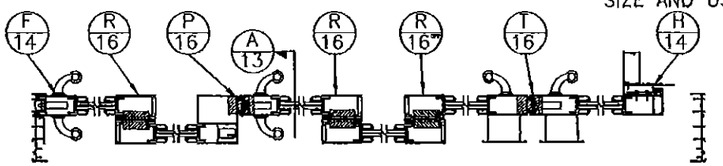
1. Notice of Acceptance No. **12-0130.13**, issued to Continental Glass Systems, Inc. for their Series "8100" Aluminum Sliding Glass Door w/wo Reinforcements-L.M.I., approved on 04/19/12 and expiring on 03/31/16.
2. Test Proposal #08-0955B (consolidated) dated 01/15/09, approved by BCCO. ***(Submitted under NOA No. 10-0209.12)***

Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0723.12
Expiration Date: March 31, 2021
Approval Date: April 07, 2016

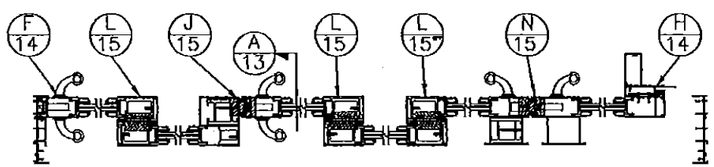


8100 SERIES 4'0 x 10'0 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.



8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
2 TRACK LAYOUT



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
2 TRACK LAYOUT

NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE, 5th. EDITON.
2. WOOD FRAMING/1X OR 2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING/1X OR 2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
4. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6 .075" THICK.
   PANEL MATERIAL: EXTRUDED ALUMINUM 6063-T6 .080" THICK.
5. UNITS MUST BE GLAZED WITH SMALL MISSILE IMPACT SINGLE LAMINATED OR INSULATED LAMINATED GLASS AS SHOWN IN GLAZING DETAILS ON SHEETS 11 AND 12, PER ASTM E1300-04.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN AREAS WHERE WIND BORNE DEBRIS PROTECTION IS REQUIRED.
7. APPROVED TO BE INSTALLED ON A 2 TRACK, 3 TRACK, 4 TRACK OR 5 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS.

PANEL HEIGHT AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT – 1 9/16"
MAXIMUM D.L.O. HEIGHT = PANEL HEIGHT – 9 1/2"
D.L.O. WIDTH = NOMINAL PANEL WIDTH – 9 1/2"

SIGNED: 03/10/2016

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 – 6	ELEVATIONS, HORIZONTAL CROSS SECTIONS AND NOTES
7	DESIGN PRESSURE CHARTS
8 – 10	ANCHORING LAYOUT, NOTES AND DETAILS
11 – 12	BILL OF MATERIALS AND GLAZING DETAILS
13 – 19	CROSS SECTIONS
20 – 23	INSTALLATION DETAILS
24 – 27	COMPONENTS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

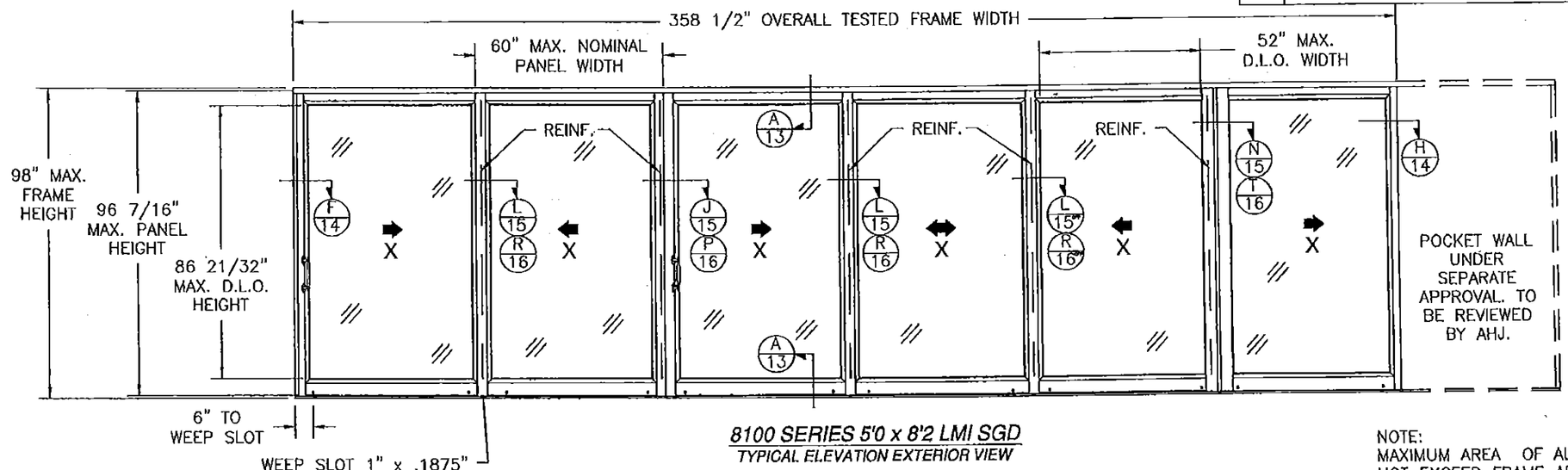
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
4'0 x 10'0 PANEL 2TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 1 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

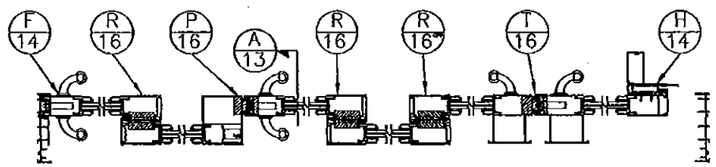
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

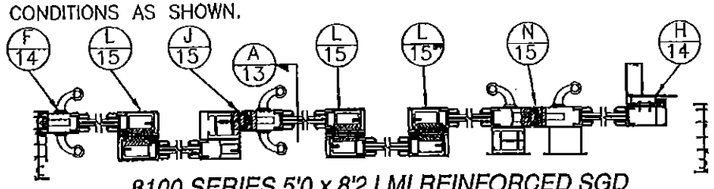


8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
2 TRACK LAYOUT

NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	*IMPACT RATING*
±70.0PSF	*LARGE MISSILE IMPACT*

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
2 TRACK LAYOUT

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	*IMPACT RATING*
±110.0PSF	*LARGE MISSILE IMPACT*

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	*IMPACT RATING*
±81.3PSF	*LARGE MISSILE IMPACT*

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PANEL HEIGHT AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT – 1 9/16"
MAXIMUM D.L.O. HEIGHT = PANEL HEIGHT – 9 1/2"
D.L.O. WIDTH = NOMINAL PANEL WIDTH – 9 1/2"

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

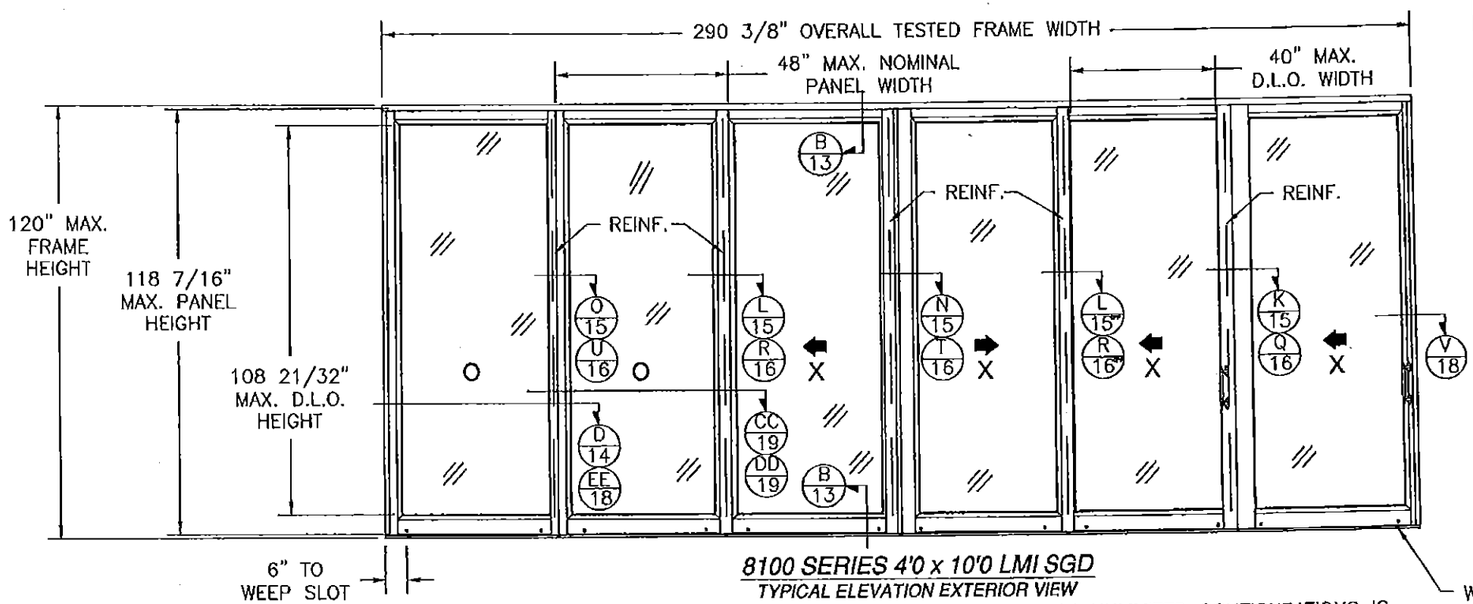
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481 0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0 x 8'2 PANEL 2TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 2 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

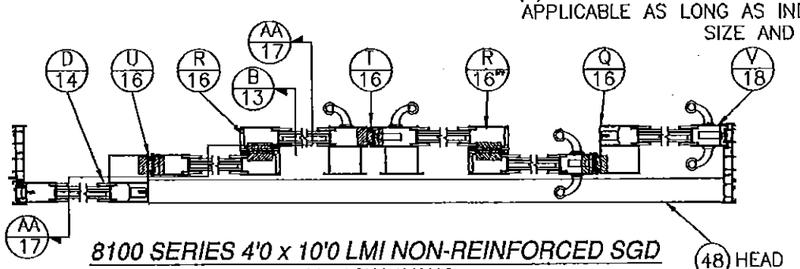
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



8100 SERIES 4'0 x 10'0 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

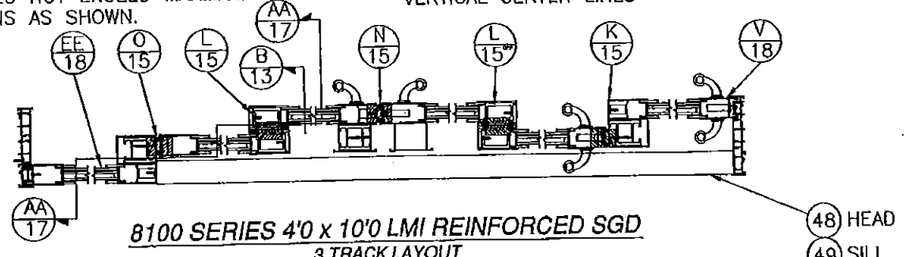


8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
3 TRACK LAYOUT

NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
3 TRACK LAYOUT

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

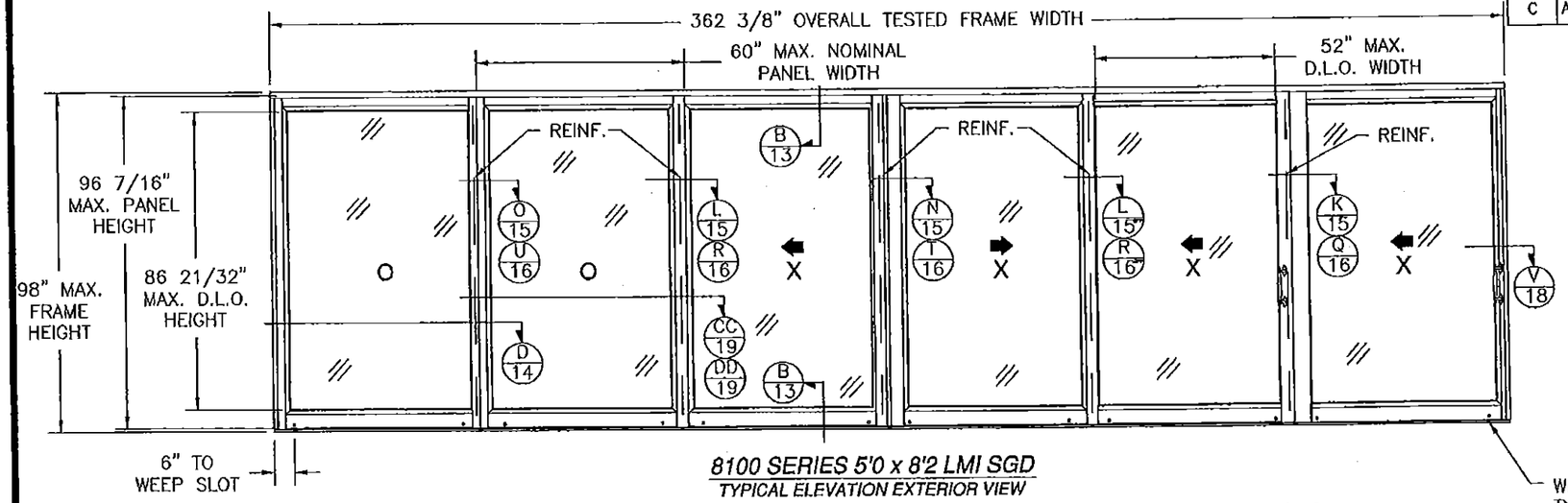
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
4'0 x 10'0 3TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 3 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

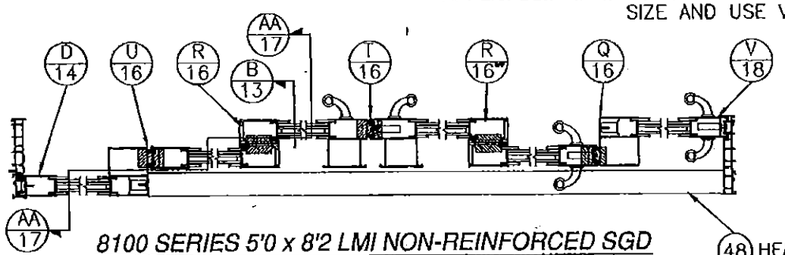


8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

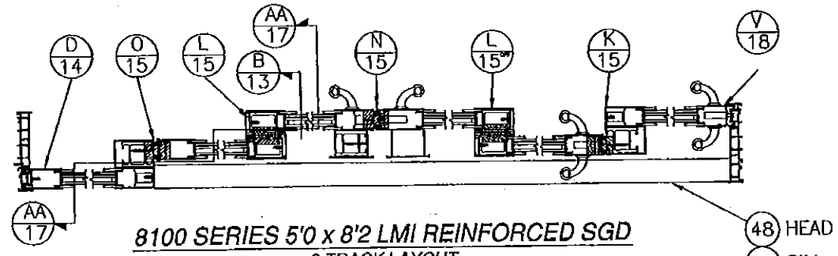
WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES



8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
3 TRACK LAYOUT
NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
3 TRACK LAYOUT

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±81.3PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

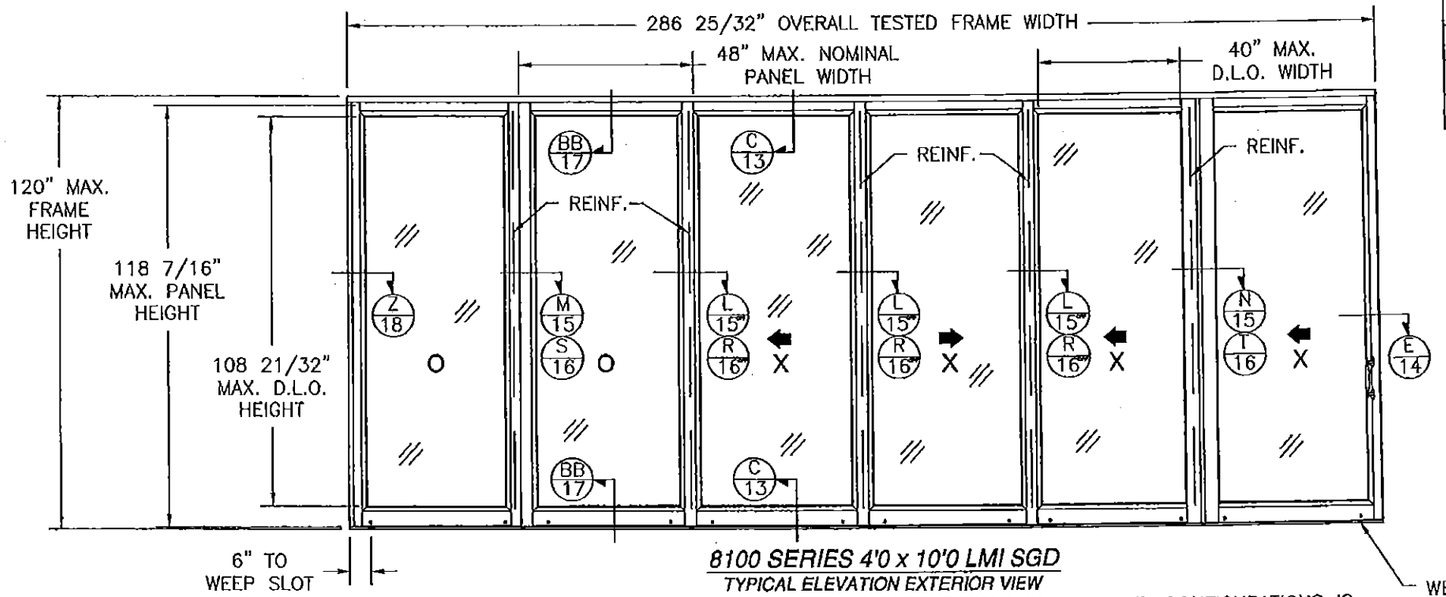
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0 x 8'2 3TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 4 OF 27

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



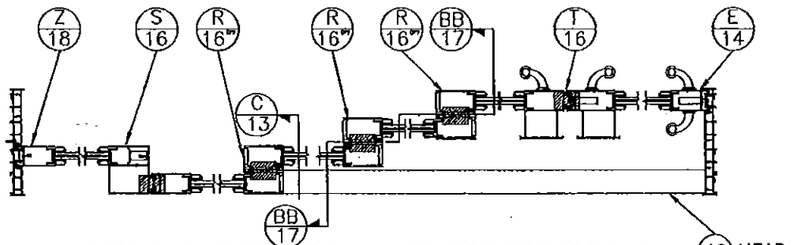
8100 SERIES 4'0 x 10'0 LMI SGD

TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.



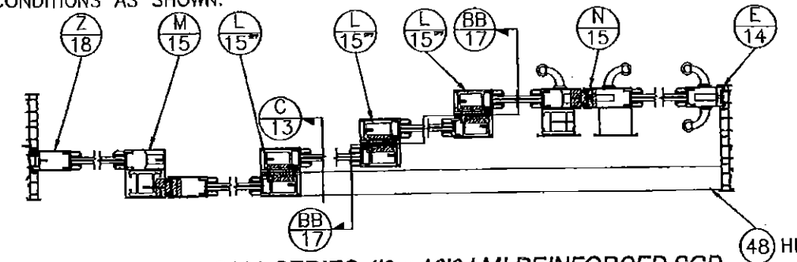
8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD

4 TRACK LAYOUT

NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD

4 TRACK LAYOUT

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION.
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

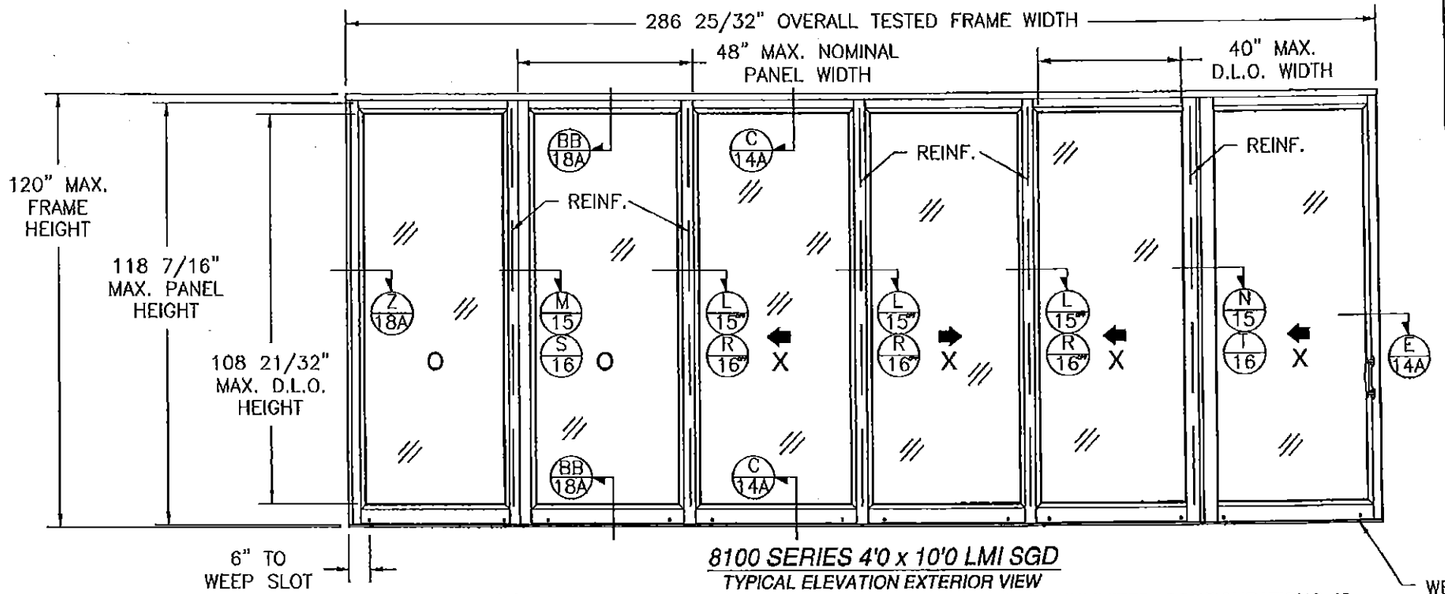
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
4'0 x 10'0 4TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 5 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

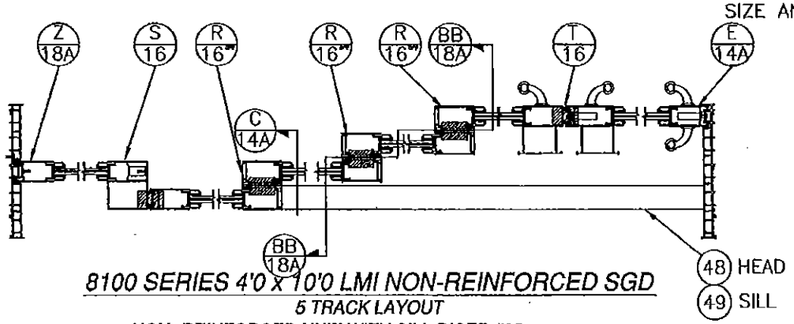
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



8100 SERIES 4'0 x 10'0 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

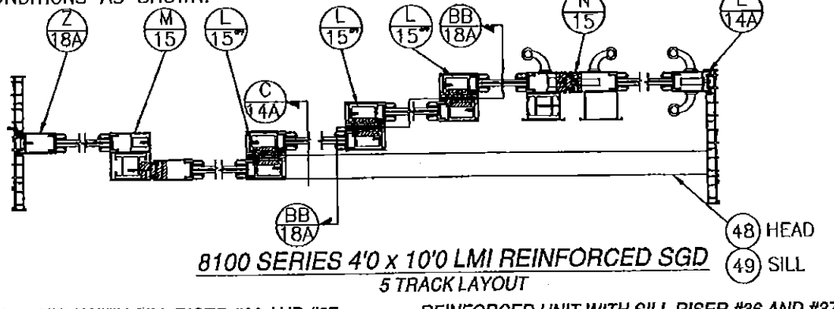
NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.



8100 SERIES 4'0 x 10'0 LMI NON-REINFORCED SGD
5 TRACK LAYOUT
NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 4'0 x 10'0 LMI REINFORCED SGD
5 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

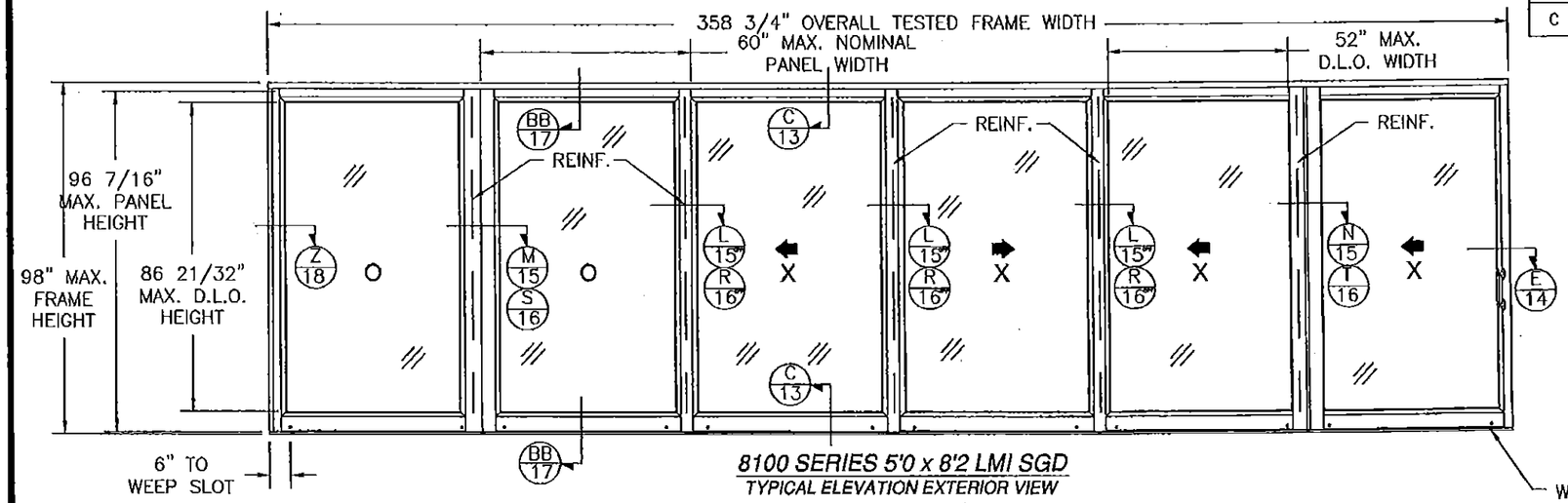
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
4'0 x 10'0 5TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 5A OF 27

LUIS R. LOMAS
LICENSE
No. 62511
STATE OF FLORIDA
PROFESSIONAL ENGINEER

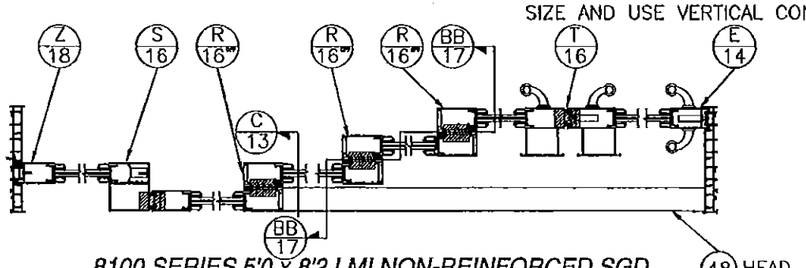
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

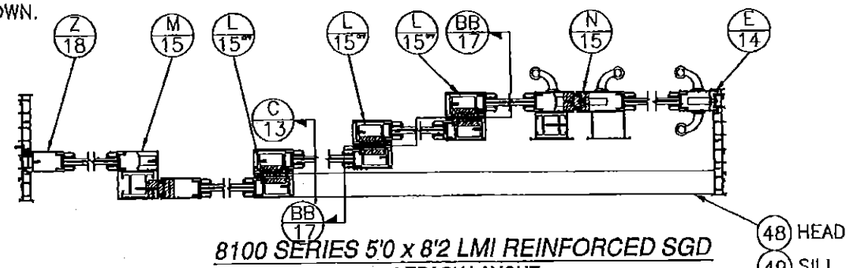
(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.



8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
4 TRACK LAYOUT
NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
4 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±81.3PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

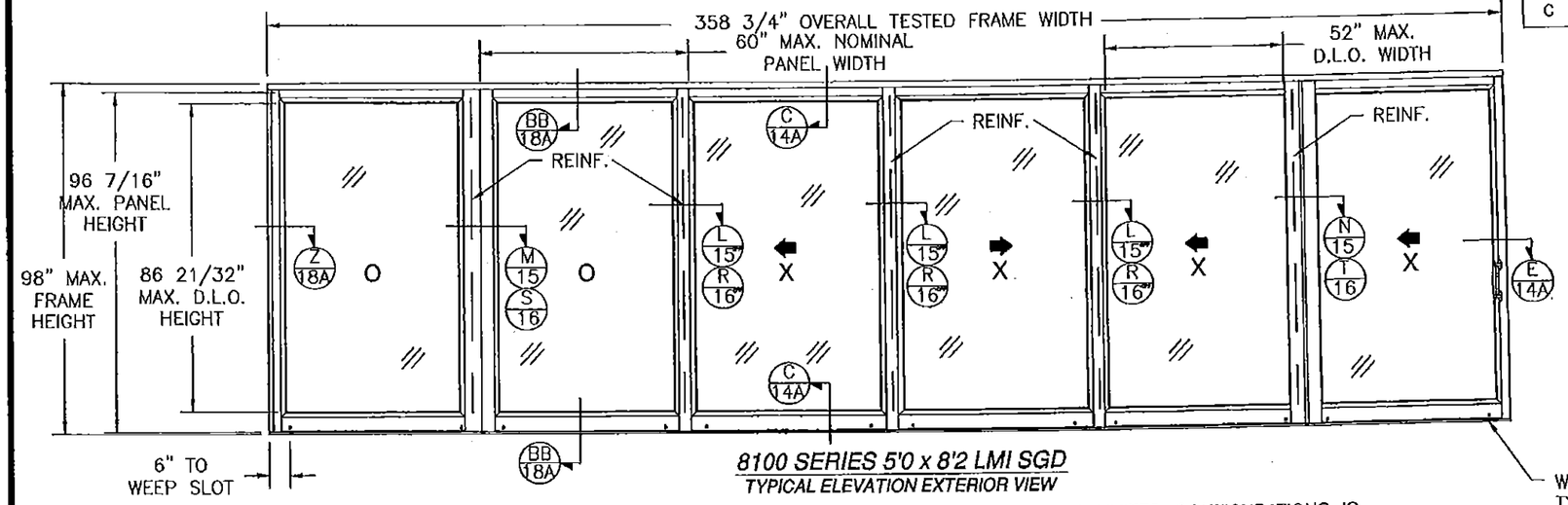
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0305
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0 x 8'2 PANELS 4TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 6 OF 27

LUIS R. LOMAS
LICENSED
No. 82511
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

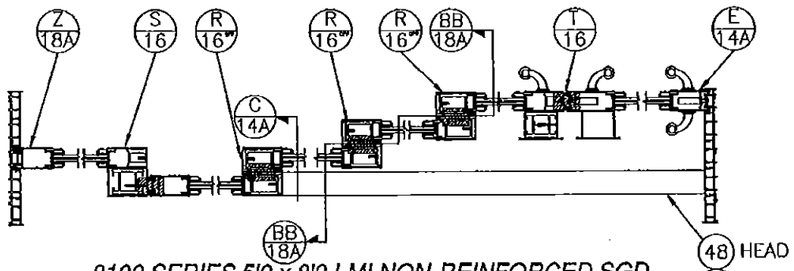


8100 SERIES 5'0 x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES

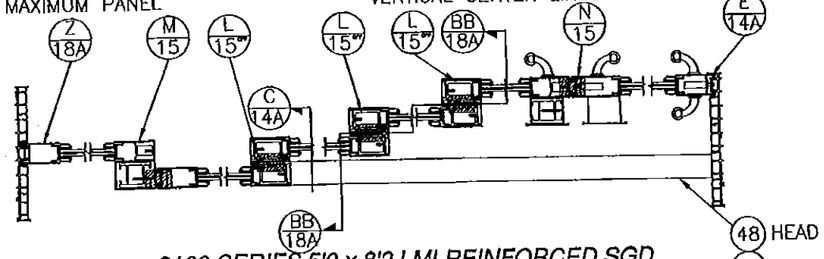
(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.



8100 SERIES 5'0 x 8'2 LMI NON-REINFORCED SGD
5 TRACK LAYOUT
NON- REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE MISSILE IMPACT

FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7



8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD
5 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±81.3PSF	LARGE MISSILE IMPACT

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±110.0PSF	LARGE MISSILE IMPACT

FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0 x 8'2 PANELS 5TRACK ELEVATIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 6A OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

NON-REINFORCED UNITS DESIGN PRESSURE CHARTS WITH GLAZING OPTIONS E, F, G, H, I AND J

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 1 3/4" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	99.8	45.0	95.2
84.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	92.8	45.0	88.1
96.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	93.3	45.0	76.7	45.0	72.1
98.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	99.7	45.0	90.8	45.0	74.5	45.0	70.0
108.0	45.0	100.0	45.0	100.0	45.0	99.6	45.0	88.3	45.0	80.0	45.0	73.7	-	-
114.0	45.0	100.0	45.0	100.0	45.0	93.3	45.0	82.6	45.0	74.7	-	-	-	-
120.0	45.0	100.0	45.0	100.0	45.0	87.8	45.0	77.6	45.0	70.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 2 1/4" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	99.8	60.0	95.2
84.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	92.8	60.0	88.1
96.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	93.3	60.0	76.7	60.0	72.1
98.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	99.7	60.0	90.8	60.0	74.5	60.0	70.0
108.0	60.0	100.0	60.0	100.0	60.0	99.6	60.0	88.3	60.0	80.0	60.0	73.7	-	-
114.0	60.0	100.0	60.0	100.0	60.0	93.3	60.0	82.6	60.0	74.7	-	-	-	-
120.0	60.0	100.0	60.0	100.0	60.0	87.8	60.0	77.6	60.0	70.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 3" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	99.8	80.0	95.2
84.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	92.8	80.0	88.1
96.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	93.3	76.7	76.7	72.1	72.1
98.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	99.7	80.0	90.8	74.5	74.5	70.0	70.0
108.0	80.0	100.0	80.0	100.0	80.0	99.6	80.0	88.3	80.0	80.0	73.7	73.7	-	-
114.0	80.0	100.0	80.0	100.0	80.0	93.3	80.0	82.6	74.7	74.7	-	-	-	-
120.0	80.0	100.0	80.0	100.0	80.0	87.8	77.6	77.6	70.0	70.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 1 3/4" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	99.8	45.0	92.2
84.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	100.0	45.0	92.8	45.0	88.1
96.0	45.0	100.0	45.0	91.0	45.0	100.0	45.0	100.0	45.0	93.3	45.0	76.7	45.0	72.1
98.0	45.0	100.0	45.0	88.8	45.0	100.0	45.0	99.7	45.0	90.8	45.0	74.5	45.0	70.0
108.0	45.0	96.0	45.0	79.3	45.0	99.6	45.0	88.3	45.0	80.0	45.0	73.7	-	-
114.0	45.0	90.4	45.0	74.5	45.0	93.3	45.0	82.6	45.0	74.7	-	-	-	-
120.0	45.0	85.3	45.0	70.2	45.0	87.8	45.0	77.6	45.0	70.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 2 1/4" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	99.8	60.0	92.2
84.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	100.0	60.0	92.8	60.0	88.1
96.0	60.0	100.0	60.0	91.0	60.0	100.0	60.0	100.0	60.0	93.3	60.0	76.7	60.0	72.1
98.0	60.0	100.0	60.0	88.8	60.0	100.0	60.0	99.7	60.0	90.8	60.0	74.5	60.0	70.0
108.0	60.0	96.0	60.0	79.3	60.0	99.6	60.0	88.3	60.0	80.0	60.0	73.7	-	-
114.0	60.0	90.4	60.0	74.5	60.0	93.3	60.0	82.6	60.0	74.7	-	-	-	-
120.0	60.0	85.3	60.0	70.2	60.0	87.8	60.0	77.6	60.0	70.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Non-Reinforced SGD with 3" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	99.8	80.0	92.2
84.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	100.0	80.0	92.8	80.0	88.1
96.0	80.0	100.0	80.0	91.0	80.0	100.0	80.0	100.0	80.0	93.3	76.7	76.7	72.1	72.1
98.0	80.0	100.0	80.0	88.8	80.0	100.0	80.0	99.7	80.0	90.8	74.5	74.5	70.0	70.0
108.0	80.0	96.0	79.3	79.3	80.0	99.6	80.0	88.3	80.0	80.0	73.7	73.7	-	-
114.0	80.0	90.4	74.5	74.5	80.0	93.3	80.0	82.6	74.7	74.7	-	-	-	-
120.0	80.0	85.3	70.2	70.2	80.0	87.8	77.6	77.6	70.0	70.0	-	-	-	-

SIGNED: 03/10/2016

PANEL HEIGHT AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT – 1 9/16"
MAXIMUM D.L.O. HEIGHT = PANEL HEIGHT – 9 1/2"
D.L.O. WIDTH = NOMINAL PANEL WIDTH – 9 1/2"

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
DESIGN PRESSURE CHARTS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 7 OF 27

LUIS R. LOMAS
LICENSE
No. 6251
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REINFORCED UNITS DESIGN PRESSURE CHARTS WITH GLAZING OPTIONS A, B, C AND D

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 3" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	149.6
84.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	145.8	80.0	138.5
96.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	146.7	80.0	120.5	80.0	113.3
98.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	142.7	80.0	117.1	80.0	110.0
108.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	138.7	80.0	125.7	80.0	115.9	-	-
114.0	80.0	150.0	80.0	150.0	80.0	146.7	80.0	129.8	80.0	117.3	-	-	-	-
120.0	80.0	150.0	80.0	150.0	80.0	138.0	80.0	121.9	80.0	110.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 3" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	135.5	80.0	113.4	80.0	148.6	80.0	125.4	80.0	123.4	80.0	113.8	80.0	92.2
84.0	80.0	128.0	80.0	106.9	80.0	139.6	80.0	125.4	80.0	115.2	80.0	107.8	80.0	92.2
96.0	80.0	109.7	80.0	91.0	80.0	118.2	80.0	105.3	80.0	98.0	80.0	89.0	80.0	83.8
98.0	80.0	107.2	80.0	88.8	80.0	115.2	80.0	102.6	80.0	93.4	80.0	86.5	80.0	81.3
108.0	80.0	96.0	79.3	79.3	80.0	102.4	80.0	90.8	80.0	82.3	75.9	75.9	-	-
114.0	80.0	90.4	74.5	74.5	80.0	96.0	80.0	84.9	76.8	76.8	-	-	-	-
120.0	80.0	85.3	70.2	70.2	80.0	90.4	79.8	79.8	72.0	72.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 3 1/2" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	149.6
84.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	145.8	100.0	138.5
96.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	146.7	100.0	120.5	100.0	113.3
98.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	142.7	100.0	117.1	100.0	110.0
108.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	138.7	100.0	125.7	100.0	115.9	-	-
114.0	100.0	150.0	100.0	150.0	100.0	146.7	100.0	129.8	100.0	117.3	-	-	-	-
120.0	100.0	150.0	100.0	150.0	100.0	138.0	100.0	121.9	100.0	110.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 3 1/2" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	100.0	135.5	100.0	113.4	100.0	148.6	100.0	125.4	100.0	123.4	100.0	113.8	92.2	92.2
84.0	100.0	128.0	100.0	106.9	100.0	139.6	100.0	125.4	100.0	115.2	100.0	107.8	92.2	92.2
96.0	100.0	109.7	91.0	91.0	100.0	118.2	100.0	105.3	96.0	96.0	89.0	89.0	83.8	83.8
98.0	100.0	107.2	88.8	88.8	100.0	115.2	100.0	102.6	93.4	93.4	86.5	86.5	81.3	81.3
108.0	96.0	96.0	79.3	79.3	100.0	102.4	90.8	90.8	82.3	82.3	75.9	75.9	-	-
114.0	90.4	90.4	74.5	74.5	96.0	96.0	84.9	84.9	76.8	76.8	-	-	-	-
120.0	85.3	85.3	70.2	70.2	90.4	90.4	79.8	79.8	72.0	72.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 4 1/4" sill riser
For units installed in Masonry/Concrete or Metal structure

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	149.6
84.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	145.8	125.3	138.5
96.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	146.7	120.5	120.5	113.3	113.3
98.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	142.7	117.1	117.1	110.0	110.0
108.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	138.7	125.3	125.7	115.9	115.9	-	-
114.0	125.3	150.0	125.3	150.0	125.3	146.7	125.3	129.8	117.3	117.3	-	-	-	-
120.0	125.3	150.0	125.3	150.0	125.3	138.0	121.9	121.9	110.0	110.0	-	-	-	-

Maximum design pressure capacity chart (PSF)
Series 8100 Aluminum LMI Reinforced SGD with 4 1/4" sill riser
For units installed in Wood

Height (in)	Nominal Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	125.3	135.5	113.4	113.4	125.3	148.6	125.3	125.4	123.4	123.4	113.8	113.8	92.2	92.2
84.0	125.3	128.0	106.9	106.9	125.3	139.6	125.3	125.4	115.2	115.2	107.8	107.8	92.2	92.2
96.0	109.7	109.7	91.0	91.0	118.2	118.2	105.3	105.3	96.0	96.0	89.0	89.0	83.8	83.8
98.0	107.2	107.2	88.8	88.8	115.2	115.2	102.6	102.6	93.4	93.4	86.5	86.5	81.3	81.3
108.0	96.0	96.0	79.3	79.3	102.4	102.4	90.8	90.8	82.3	82.3	75.9	75.9	-	-
114.0	90.4	90.4	74.5	74.5	96.0	96.0	84.9	84.9	76.8	76.8	-	-	-	-
120.0	85.3	85.3	70.2	70.2	90.4	90.4	79.8	79.8	72.0	72.0	-	-	-	-

PANEL HEIGHT AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT – 1 9/16"
MAXIMUM D.L.O. HEIGHT = PANEL HEIGHT – 9 1/2"
D.L.O. WIDTH = NOMINAL PANEL WIDTH – 9 1/2"

SIGNED: 03/10/2016

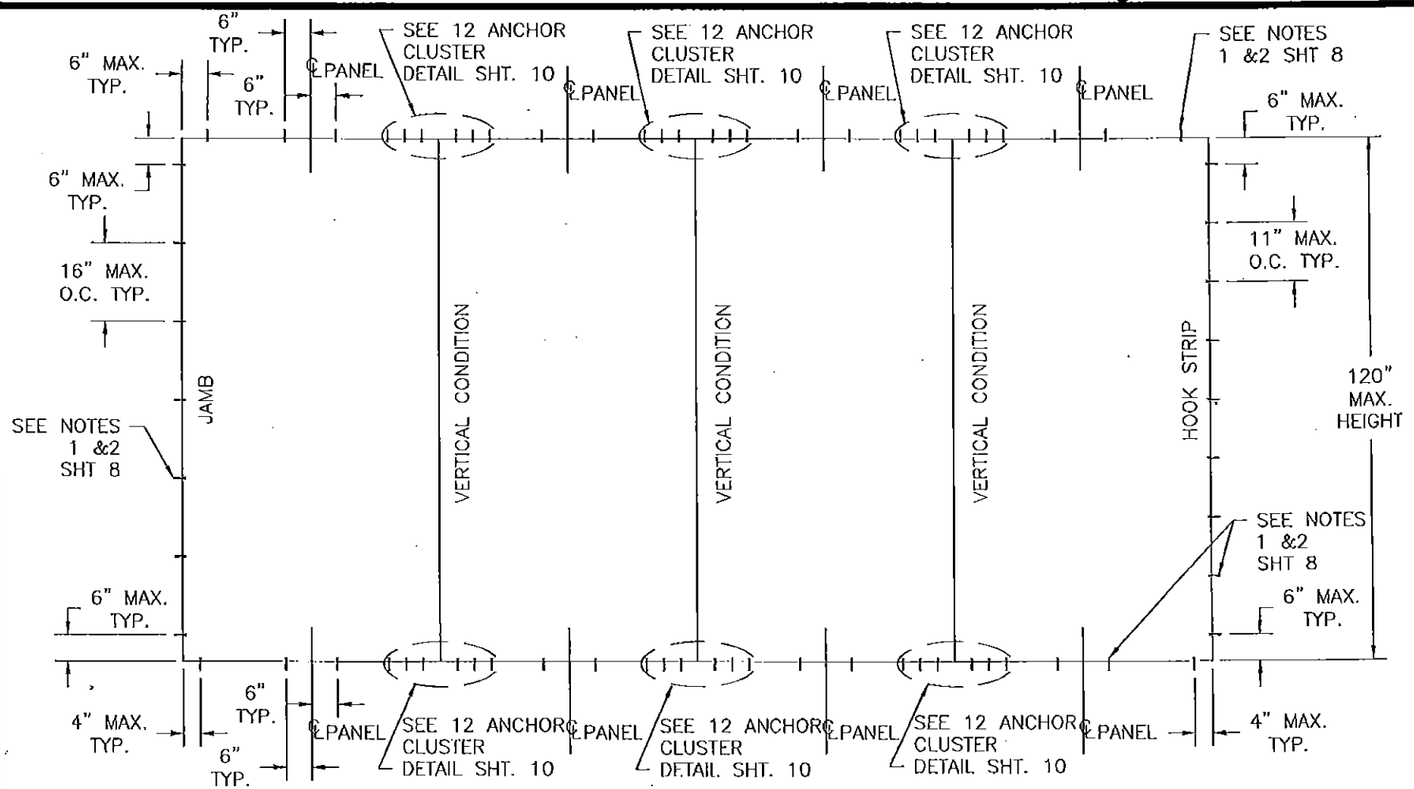
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
DESIGN PRESSURE CHARTS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 7A OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER



4'0 x 10'0 ANCHORING LAYOUT NON–REINFORCED AND REINFORCED UNITS

4PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

ANCHORING NOTES:

1. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 TRACK AND 5 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK 4 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON–STRUCTURAL WOOD BUCK USE 1/4" ELCO CRETE–FLEX TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE GRADE 5 #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
6. ALL FASTENERS TO BE CORROSION RESISTANT.
7. 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 2,700 PSI.
C. MASONRY – STRENGTH CONFORMANCE TO ASTM C–90, GRADE N, TYPE 1 (OR GREATER).
D. METAL FRAMING – 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING, Fy=33KSI/Fu=52KSI MINIMUM.

Number of anchor locations required at jambs, head, sill and mullion cluster (2 anchors per location)

Height (In)	Single Panel Width (In)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster
80.0	6	1	4	6	1	4	6	2	6	6	2	6	6	3	6	6	3	6	6	3	6
84.0	6	1	4	6	1	4	6	2	6	6	2	6	6	3	6	6	3	6	6	3	6
96.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	7	3	6
98.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	7	3	6
108.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	-	-	-
114.0	8	1	4	8	1	4	8	2	6	8	2	6	8	3	6	-	-	-	-	-	-
120.0	8	1	4	8	1	4	8	2	6	8	2	6	8	3	6	-	-	-	-	-	-

Number of anchor locations required at hookstrip (1 anchor per location)

Height (In)	Single Panel Width (In)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	8	8	8	8	8	8	8
84.0	8	8	8	8	8	8	8
96.0	9	9	9	9	9	9	9
98.0	9	9	9	9	9	9	9
108.0	10	10	10	10	10	10	-
114.0	11	11	11	11	11	-	-
120.0	11	11	11	11	11	-	-

SIGNED: 03/10/2016

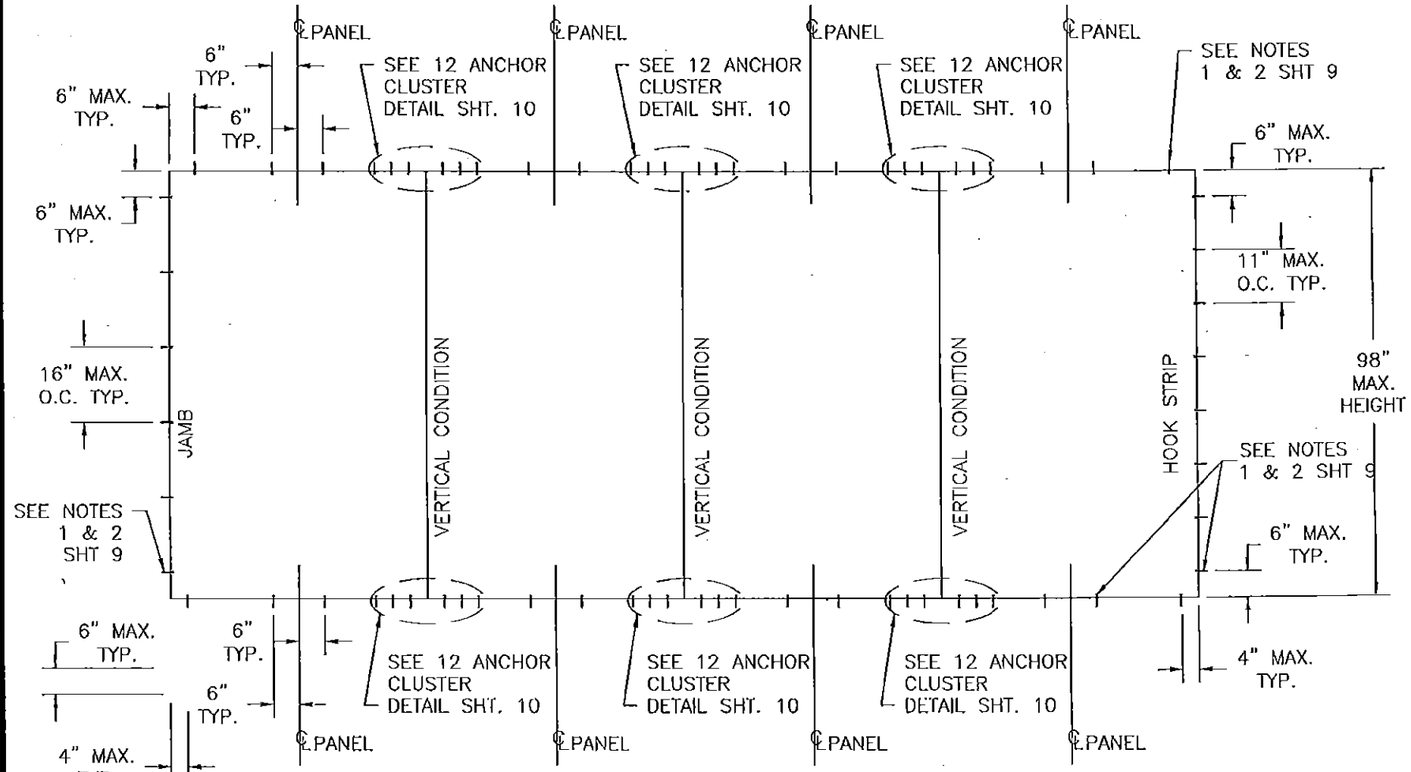
PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON–REINFORCED
4'0 x 10'0 ANCHORING LAYOUT AND NOTES

DRAWN:	DWG NO.	REV
TJH	08–00875	C
SCALE NTS	DATE 10/13/09	SHEET 8 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER



5'0 x 8'2 ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS

4PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

ANCHORING NOTES:

1. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 TRACK AND 5 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK 4 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK USE 1/4" ELCO CRETE-FLEX TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE GRADE 5 #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
6. ALL FASTENERS TO BE CORROSION RESISTANT.
7. 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 2,700 PSI.
   C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
   D. METAL FRAMING - 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING, Fy=33KSI/Fu=52KSI MINIMUM.

Number of anchor locations required at jambs, head, sill and mullion cluster (2 anchors per location)

Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster	Jambs	H&S	cluster
80.0	6	1	4	6	1	4	6	2	6	6	2	6	6	3	6	6	3	6	6	3	6
84.0	6	1	4	6	1	4	6	2	6	6	2	6	6	3	6	6	3	6	6	3	6
96.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	7	3	6
98.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	7	3	6
108.0	7	1	4	7	1	4	7	2	6	7	2	6	7	3	6	7	3	6	-	-	-
114.0	8	1	4	8	1	4	8	2	6	8	2	6	8	3	6	-	-	-	-	-	-
120.0	8	1	4	8	1	4	8	2	6	8	2	6	8	3	6	-	-	-	-	-	-

Number of anchor locations required at hookstrip (1 anchor per location)

Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	8	8	8	8	8	8	8
84.0	8	8	8	8	8	8	8
96.0	9	9	9	9	9	9	9
98.0	9	9	9	9	9	9	9
108.0	10	10	10	10	10	10	-
114.0	11	11	11	11	11	-	-
120.0	11	11	11	11	11	-	-

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

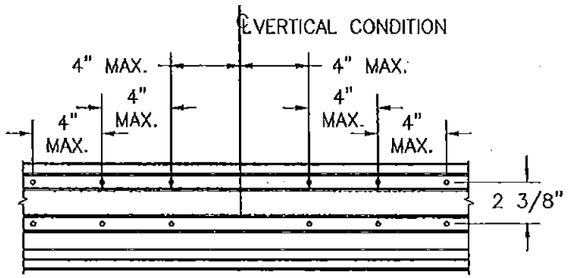
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0 x 8'2 ANCHORING LAYOUT

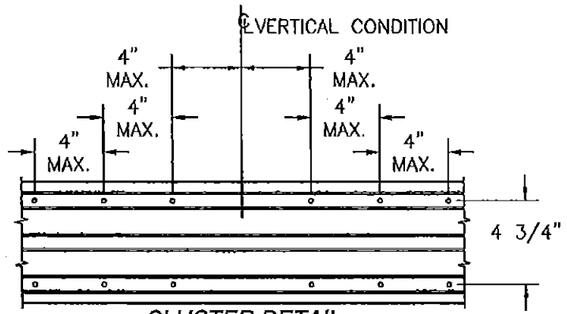
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 9 OF 27

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

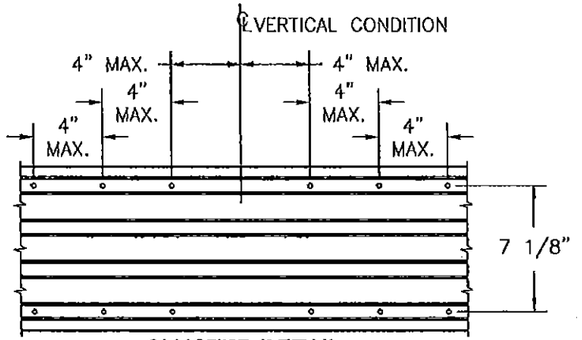
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



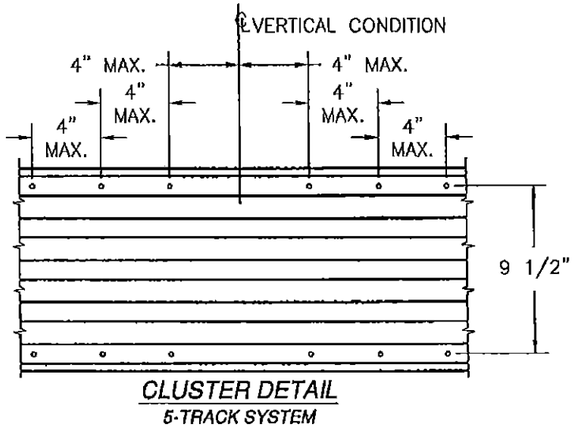
CLUSTER DETAIL
2-TRACK SYSTEM



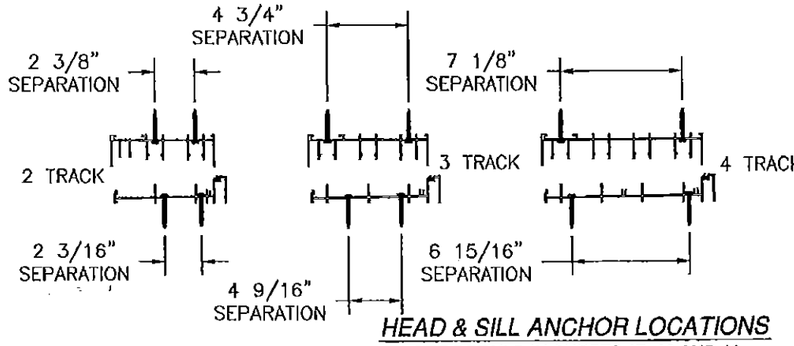
CLUSTER DETAIL
3-TRACK SYSTEM



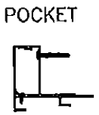
CLUSTER DETAIL
4-TRACK SYSTEM



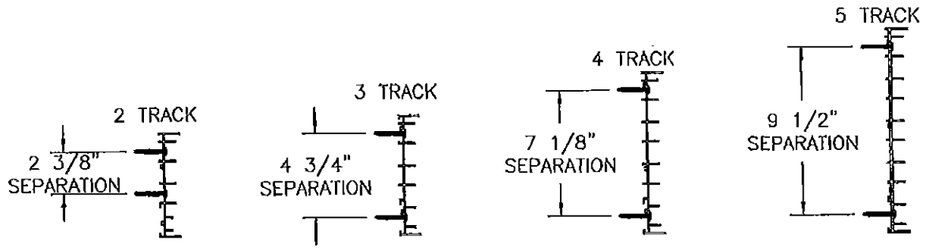
CLUSTER DETAIL
5-TRACK SYSTEM



HEAD & SILL ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 17, 18 AND 19



HOOKSTRIP ANCHOR LOCATIONS
SEE DETAILS IN SHEET 20



JAMB ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 17, 18 AND 19

ADDITIONALLY
NOTE: MINIMUM (2) ANCHORS IN PAIR REQUIRED AT EACH SIDE OF CENTERLINE OF EACH PANEL.

PANEL CONSTRUCTION:
ALL PANELS ARE CONSTRUCTED FROM EXTRUDED 6063–T6 ALUMINUM. VERTICAL STILES ARE NOTCHED TO RECEIVE HORIZONTAL RAILS. EACH RAIL IS SECURED TO STILES WITH (3) #10 x 1 1/4" SQ. DRIVE SCREW AT EACH END, ITEM #47. ALL PANELS HAVE AN INTERIOR AND EXTERIOR APPLIED GLAZING STOP.

FRAME CONSTRUCTION:
EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO JAMBS WITH #7 TYPE A SS SCREW, ITEM #48, (2) AT EACH CORNER ON 2 TRACK, (2) AT 3 TRACK FRAME, (3) AT EACH CORNER ON 4 TRACK FRAME AND (3) AT EACH CORNER ON 5 TRACK FRAME.

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

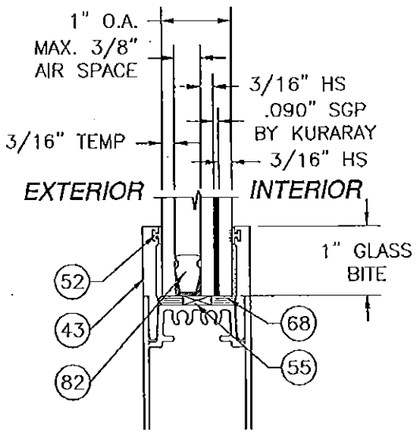
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
ANCHORING DETAILS AND NOTES

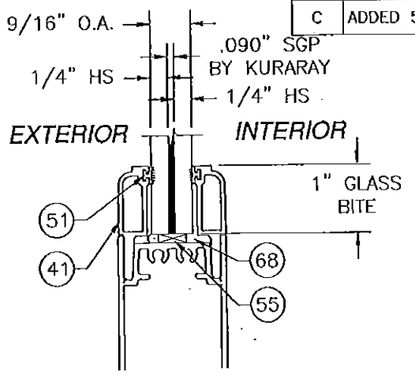
DRAWN:	DWG NO.	REV
TJH	08–00875	C
SCALE NTS	DATE 10/13/09	SHEET 10 OF 27

LUIS R. LOMAS LICENSE No. 52611 STATE OF FLORIDA PROFESSIONAL ENGINEER

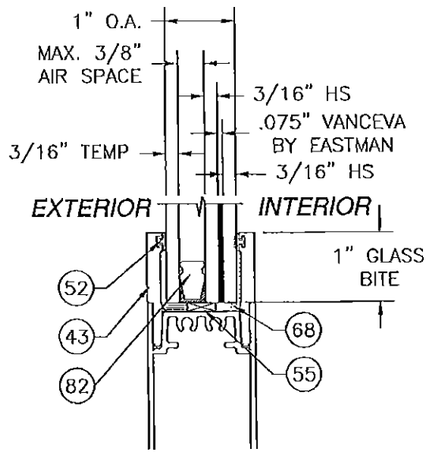
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-04641	2 TRACK WS FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
2	FS-04788	2 TRACK WS FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
3	S-44119	2 TRACK NSWS SILL PAN	KEYMARK	ALUMINUM 6063-T6
4	S-44121	2 TRACK WS SILL INSERT	KEYMARK	ALUMINUM 6063-T6
5	T-32124	5 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
6	T-32123	5 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
7	FS-02180	3 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
8	FS-02181	3 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
9	S-44123	3 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
10	S-44117	3 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
11	FS-02071	4 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
12	FS-02070	4 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
13	S-44118	4 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
14	S-22124	4 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
15	FS-01882	FRAME HEAD INSERT	KEYMARK	ALUMINUM 6063-T6
16	FS-01883	FRAME JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
17	FH-01869	TOP RAIL	KEYMARK	ALUMINUM 6063-T6
18	FH-04723	BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
19	FS-04766	TALL BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
20	NPG	PANEL GUIDE		NYLON
21	FH-01871	LOCK STILE	KEYMARK	ALUMINUM 6063-T6
22	FH-05044	INTERLOCK STILE	KEYMARK	ALUMINUM 6063-T6
23	FH-04767	FEMALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
24	FH-04750	MALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
25	FH-04826	FEMALE BUTT STILE INT. OFFSET	KEYMARK	ALUMINUM 6063-T6
26	P7569AM	DUST PAD 1.244" x .5" x 2.34"		
27	FS-04747	BUMPER JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
28	FS-04754	PLAIN STILE INTERLOCK	KEYMARK	ALUMINUM 6063-T6
29	FS-04755	PLAIN STILE INTERLOCK COVER	KEYMARK	ALUMINUM 6063-T6
30	FS-05382	INTERLOCK SNAP COVER	KEYMARK	ALUMINUM 6063-T6
31	FS-02726	STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
32	FS-02726	PANEL STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
33	FH-03693	1 3/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
34	FH-03652	2 1/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
35	FH-03653	3" SILL RISER	KEYMARK	ALUMINUM 6063-T6
36	FH-03654	3 1/2" SILL RISER	KEYMARK	ALUMINUM 6063-T6
37	FH-03655	4 1/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
38	FS-02173	HOOK STRIP	KEYMARK	ALUMINUM 6063-T6
39	FS-04476	HOOK STRIP WALL COVER	KEYMARK	ALUMINUM 6063-T6
40	FS-04477	HOOK STRIP WALL MOUNT	KEYMARK	ALUMINUM 6063-T6
41	FH-01877	9/16" HORIZONTAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
42	FH-01878	9/16" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6



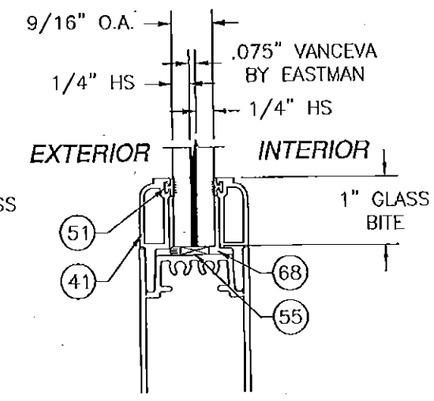
GLAZING TYPE A
LARGE MISSILE IMPACT REINFORCED UNITS



GLAZING TYPE C
LARGE MISSILE IMPACT REINFORCED UNITS



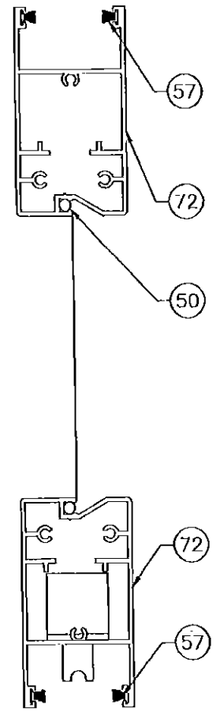
GLAZING TYPE B
LARGE MISSILE IMPACT REINFORCED UNITS



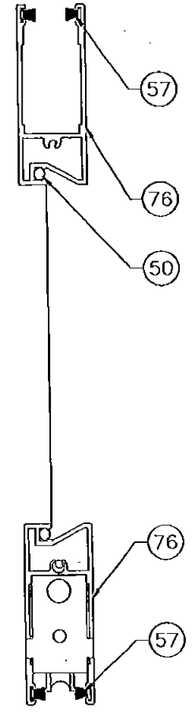
GLAZING TYPE D
LARGE MISSILE IMPACT REINFORCED UNITS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

OPTIONAL SCREENS



MT SCREEN VERTICAL CROSS SECTION
TO BE USED WITH 2TRACK, 2TRACK RETRO, 3TRACK AND 4TRACK FRAME SYSTEMS



BOX SCREEN VERTICAL CROSS SECTION
TO BE USED WITH 2TRACK WS AND 2TRACK RETRO WS FRAME SYSTEMS

SIGNED: 03/10/2016

PARTS LIST CONTINUED ON SHEET 12

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
B.O.M. & REINFORCED GLAZING DETAILS

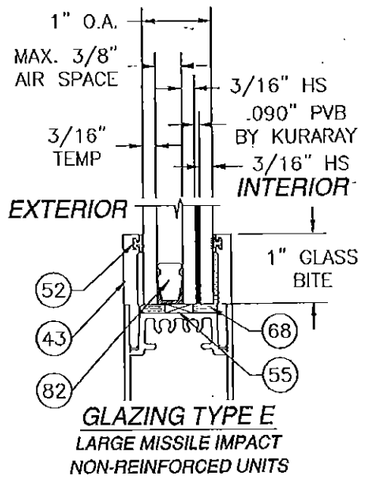
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 11 OF 27

LUIS R. LOMAS LICENSE No. 6251 STATE OF FLORIDA PROFESSIONAL ENGINEER

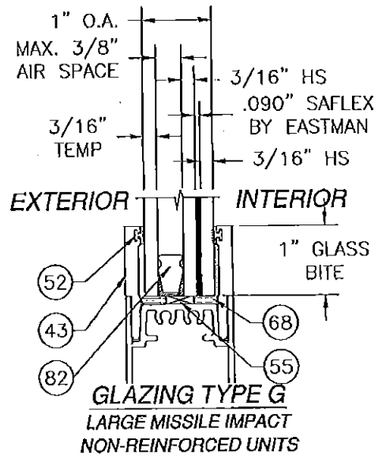
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
43	FS-01879	1" HORIZONTAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
44	FS-01880	1" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
45	FH-02642	6000 BUTT STILE REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
46	FH-05045	INTERLOCK REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
47	FH-03916	FEMALE BUTT STILE REINFORCING BAR	KEYMARK	ALUMINUM 6063-T6
48	FS-02210	FRAME HEAD COVER	KEYMARK	ALUMINUM 6063-T6
49	FS-02208	SILL COVER	KEYMARK	ALUMINUM 6063-T6
50		SCREEN SPLINE		
51	TP983	9/16" GLAZING VINYL		VINYL
52	TP1051	1" GLAZING VINYL		VINYL
53	#1988-9000	TANDEM ROLLER		
54	2468	DUAL POINT MORTISE LOCK & KEEPER		
55	TP990	GLASS SETTING BLOCK		
56	TP876	INTERLOCK BUMPER		RUBBER
57	W333517K0000	FINSEAL .187 x .350		
58	W332217K0000	FINSEAL .187 x .240		
59	W231417K0000	FINSEAL .187 x .140		
60	131017	#8 x 1/2" PH TEK SCREW		
61	S-44115	2 TRACK NS INSERT		
62	131018	#8 x 3/8" PH TYPE B SS		18-8 SS
63	131004	#10 x 1 1/4" TYPE F SS		
64	131020	#7 x 5/8 PH TYPE A SS		410 SS
65	131011	#8 x 2" FH TEK SCREW		410 SS
66	131009	#10 x 3/4" FH TEK SCREW		410 SS
67	LCS068-N5	SNAP IN SILL GATE		PLASTIC
68	SIKAFAST 552	GLAZING COMPOUND	SIKA	URETHANE
69	T-32122	5 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
70	S-44120	2 TRACK NS/WS RETRO SILL PAN	KEYMARK	ALUMINUM 6063-T6
71		LMI GLAZING SEE SHEETS 11 AND 12		
72	FH-02727	MT SCREEN TOP/BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
73	FH-02728	MT SCREEN STILE	KEYMARK	ALUMINUM 6063-T6
74	FH-02729	MT SCREEN STILE W/SEAL	KEYMARK	ALUMINUM 6063-T6
75	FS-02730	MT SCREEN ASTRAGAL	KEYMARK	ALUMINUM 6063-T6
76	FH-02300	BOX SCREEN TOP/BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
77	FH-02395	BOX SCREEN STILE	KEYMARK	ALUMINUM 6063-T6
78	FS-02209	BOX SCREEN SWEEP	KEYMARK	ALUMINUM 6063-T6
79	FS-02650	BOX SCREEN ASTRAGAL	KEYMARK	ALUMINUM 6063-T6
80	7500 A04	SIGNITURE HANDLE SET		
81	T-32125	5 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
82	TP990	GLASS SPACER	HELMA	ALUMINUM AW-3000
83		#8 x 3/4" PH TEK SCREW		
84		#10 x 3/4" PH TEK SCREW		
85	FS-04791	FIXED PANEL Z-CLIP	KEYMARK	ALUMINUM 6063-T6

PARTS LIST CONTINUED FROM SHEET 11

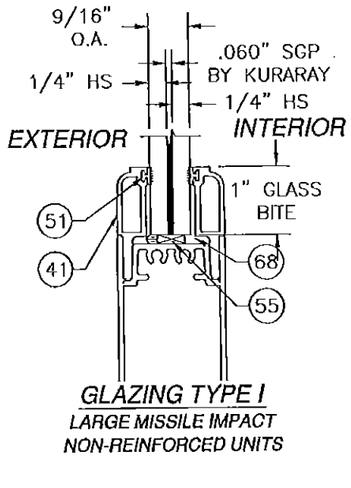
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



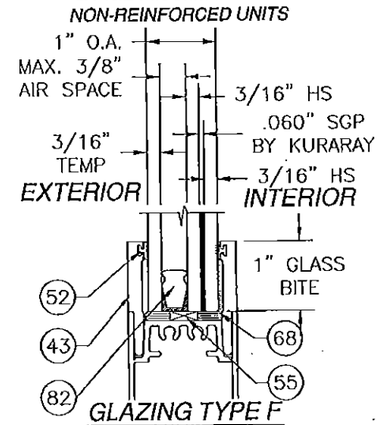
GLAZING TYPE E
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



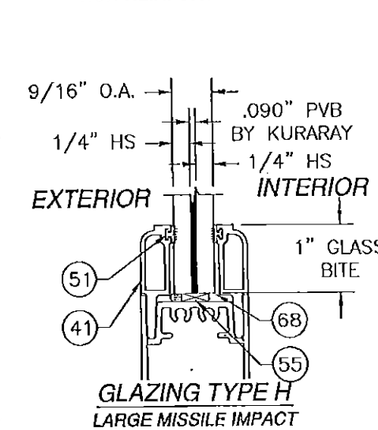
GLAZING TYPE G
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



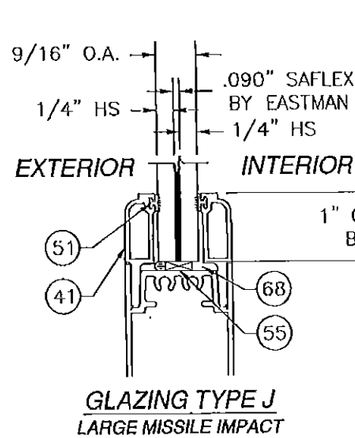
GLAZING TYPE I
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE F
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE H
LARGE MISSILE IMPACT
NON-REINFORCED UNITS



GLAZING TYPE J
LARGE MISSILE IMPACT
NON-REINFORCED UNITS

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

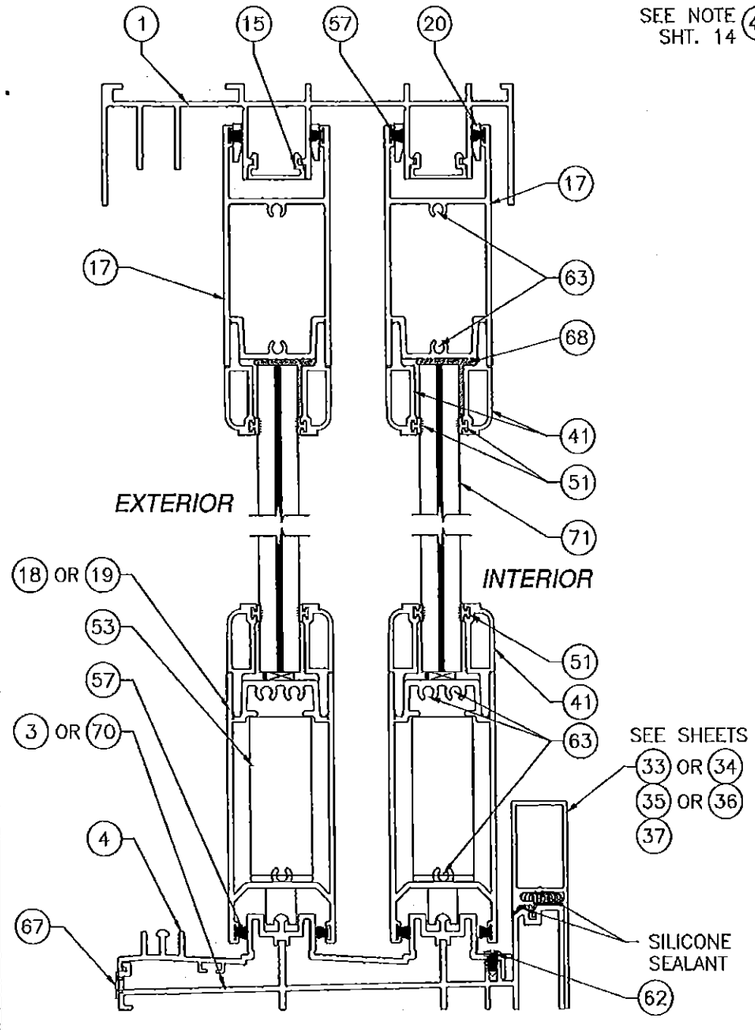
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
B.O.M. & NON-REINFORCED GLAZING DETAILS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 12 OF 27

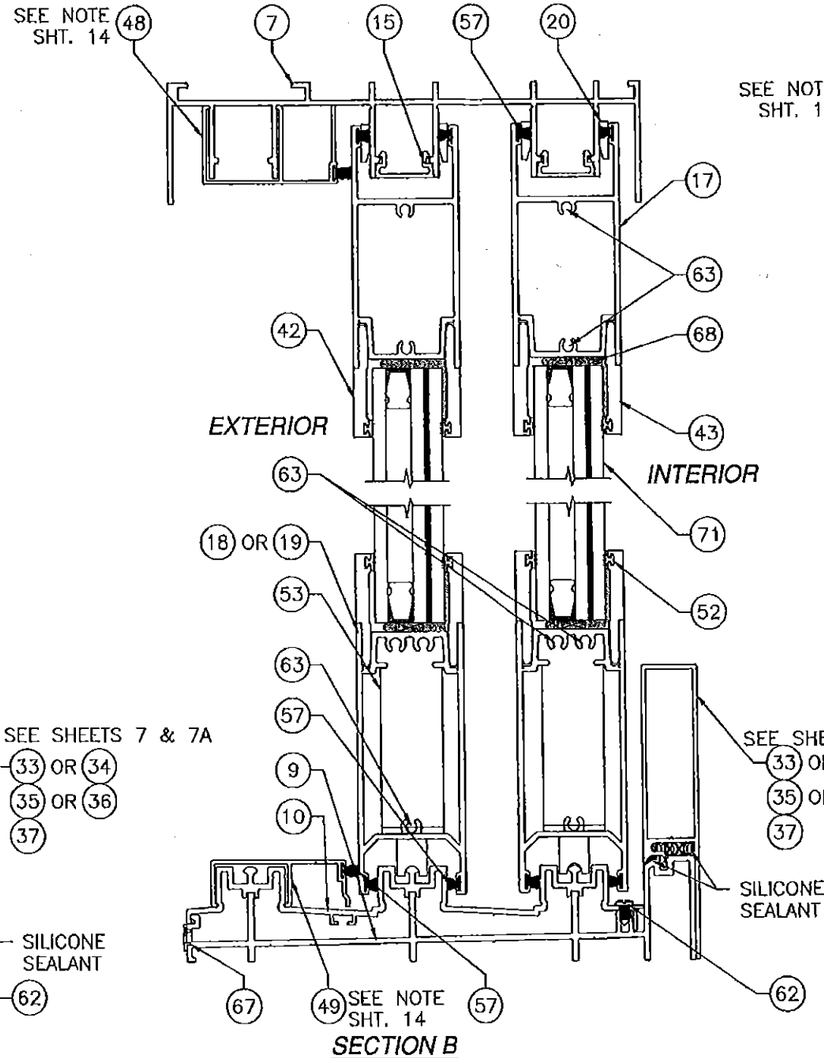
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



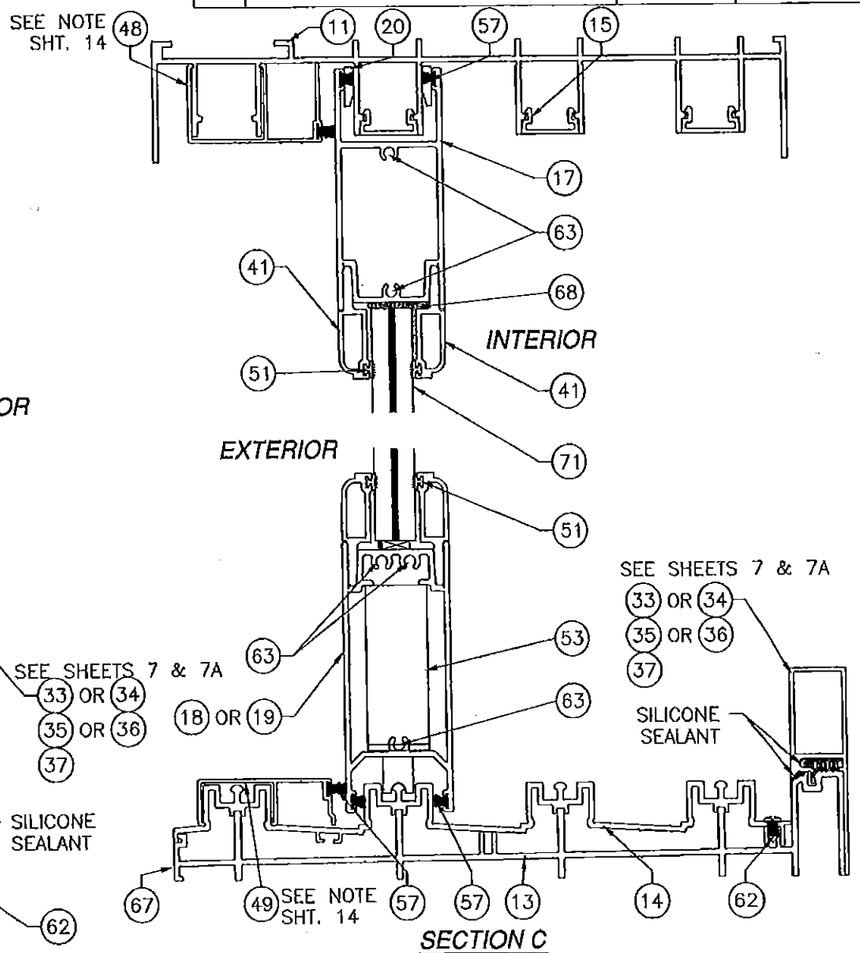
SECTION A

2 TRACK WS FRAME SYSTEM WITH 3" SILL RISER SHOWN, 2 TRACK NS , 2TRACK WS RETRO AND 2TRACK NS RETRO SILLS AND ALL SILL RISERS MAY BE USED. SEE D.P. TABLE SHEETS 7 & 7A



SECTION B

3 TRACK FRAME SYSTEM WITH 4 1/4" SILL RISER SHOWN, ALL SILL RISERS MAY BE USED SEE D.P. TABLE SHEETS 7 & 7A



SECTION C

4 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN, ALL SILL RISERS MAY BE USED SEE D.P. TABLE SHEETS 7 & 7A

SIGNED: 03/10/2016

NOTE:
SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSRTATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD AND TRACK SYSTEM.

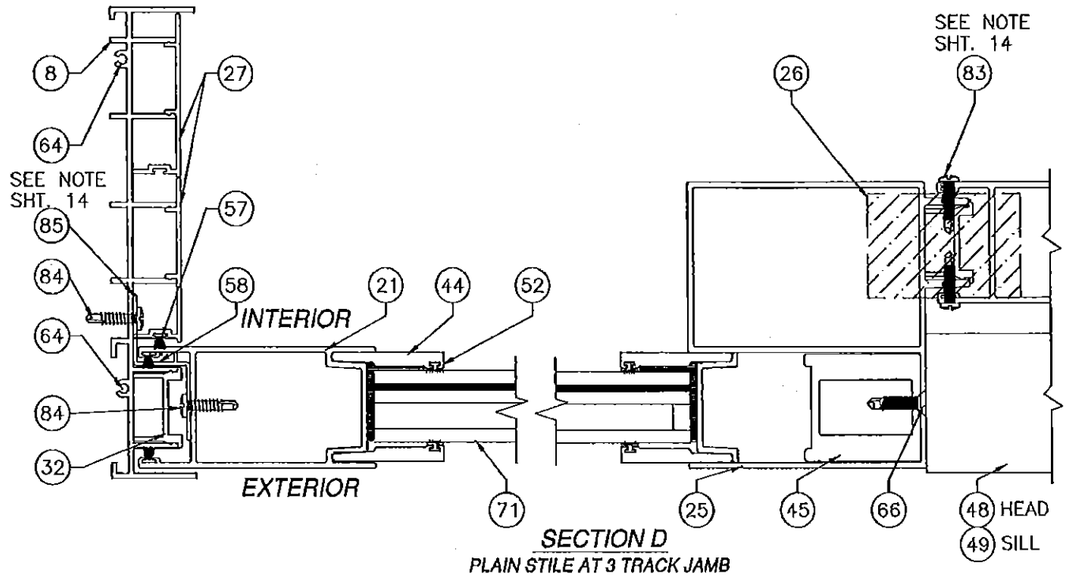
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

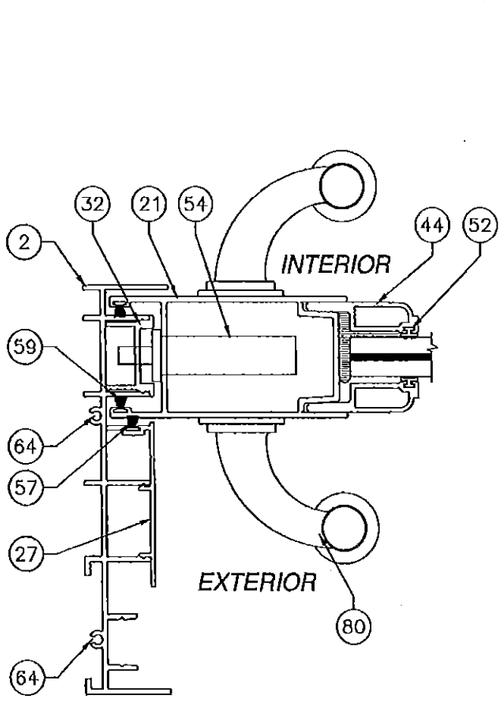
8100 SERIES LMI
REINFORCED & NON-REINFORCED
VERTICAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 13 OF 27

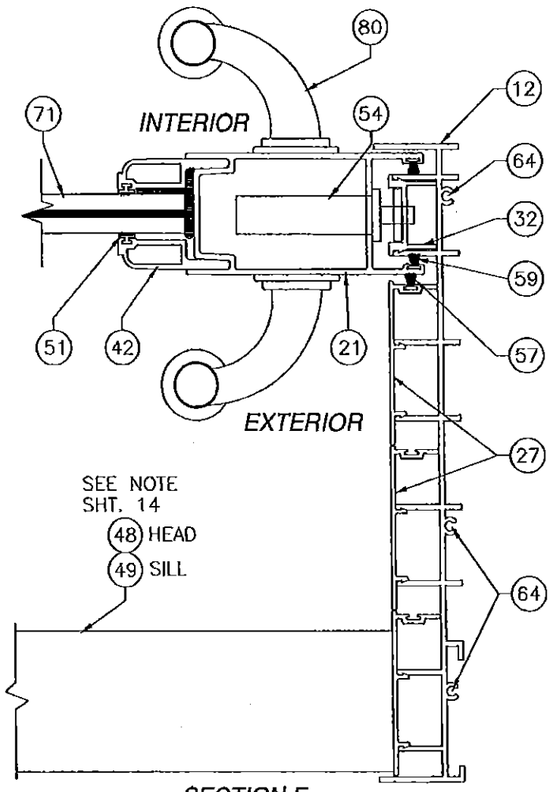
LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER



SECTION D
PLAIN STILE AT 3 TRACK JAMB

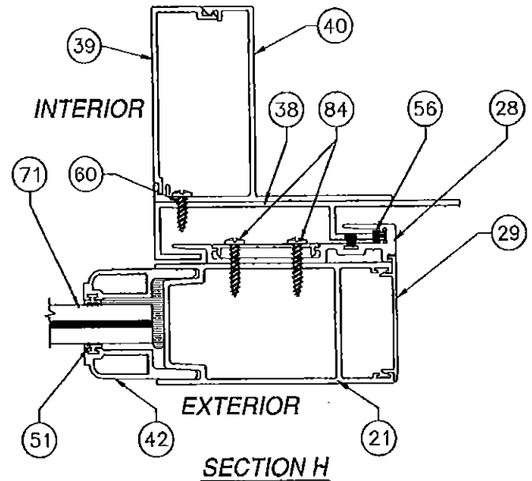


SECTION F
LOCK STILE AT 2 TRACK JAMB



SECTION E
LOCK STILE AT 4 TRACK JAMB

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION H
REINFORCED/NON REINFORCED INTERLOCK STILE AT EXTERIOR HOOK STRIP

FIXED PANEL NOTES:

1. FIXED PANEL TO JAMB CONDITION:
FIXED PANEL IS SEURED TO THE JAMB WTH (2) ITEMS #85, FIXED PANEL Z--CLIP. ONE Z-CLIP IS LOCATED 24" FROM TOP OF THE PANEL DOWN AND 24" FROM BOTTOM OF PANEL UP. EACH Z-CLIP IS ATTACHED TO PANEL WITH (3) ITEM # 84, #10 x 3/4" PH TEK SCREWS AND THEN IT IS ATTACHED TO JAMB WITH (3) ITEM #84, #10 x 3/4" PH TEK SCREWS. SECTION D SHEET 14, SECTION EE SHEET 18 AND SECTION Z SHEET 18 SHOW A FIXED PANEL TO JAMB CONDITION.
2. FIXED PANEL TO FIXED PANEL CONDITION:
TWO FIXED PANELS ARE SECURED TOGETHER WITH ITEM #83, #8 x 3/4" PH TEK SCREW. THERE IS A ROW ON THE INTERIOR AND A ROW ON THE EXTERIOR OF THE FIXED PANEL PACED 4" FROM THE TOP AND BOTTOM WITH ONE ADDITIONAL SCREW IN THE CENTER. SECTION D SHEET 14, SECTION DD SHEET 19, SECTION O SHEET 15, SECTION U, SHEET 16 AND SECTION CC SHEET 19 SHOW A FIXED PANEL TO FIXED PANEL CONDITION.

NOTE:
SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSRTATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD, SILL AND JAMB TRACK SYSTEM. OTHER HEAD, SILL AND JAMB TRACK SYSTEMS ARE SIMILAR.

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

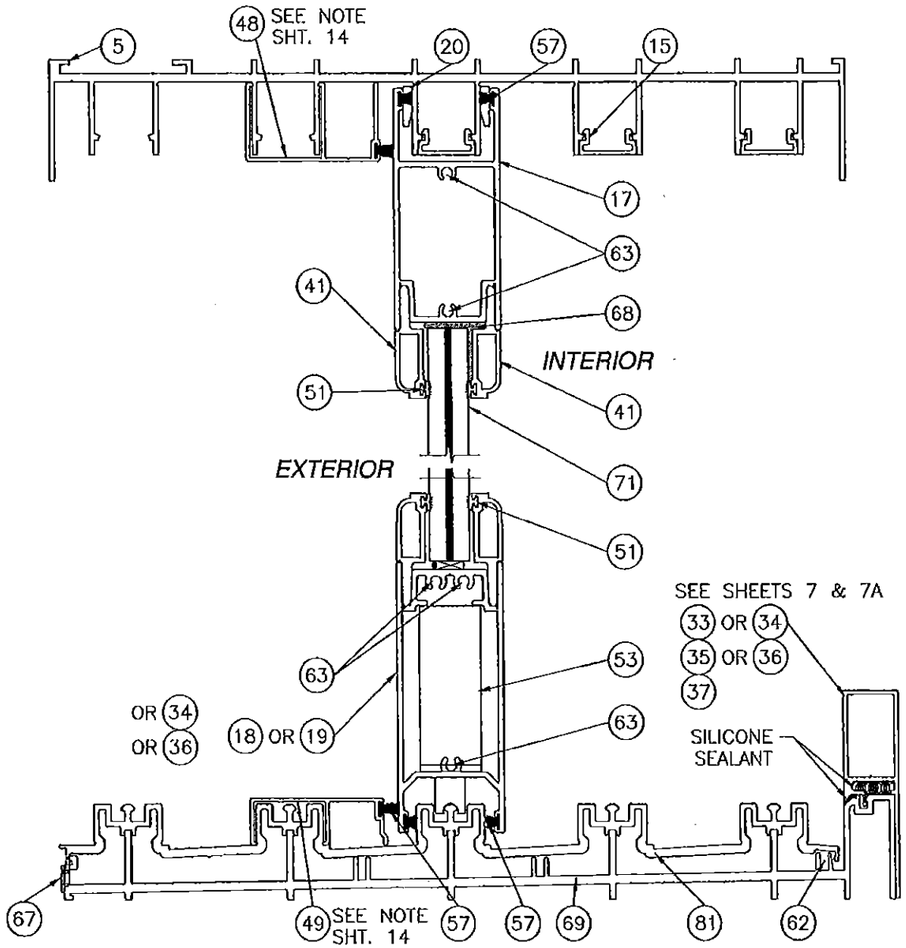
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 14 OF 27

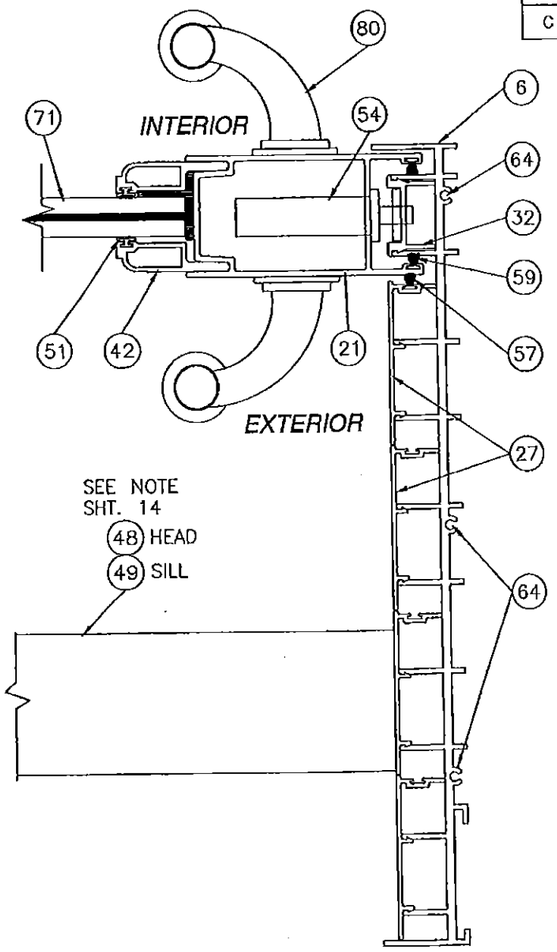
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION C

5 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN, ALL SILL RISERS MAY BE USED
SEE D.P. TABLE SHEETS 7 & 7A



SECTION E

LOCK STILE AT 5 TRACK JAMB

NOTE:
SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSRTATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD AND TRACK SYSTEM.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

SIGNED: 03/10/2016

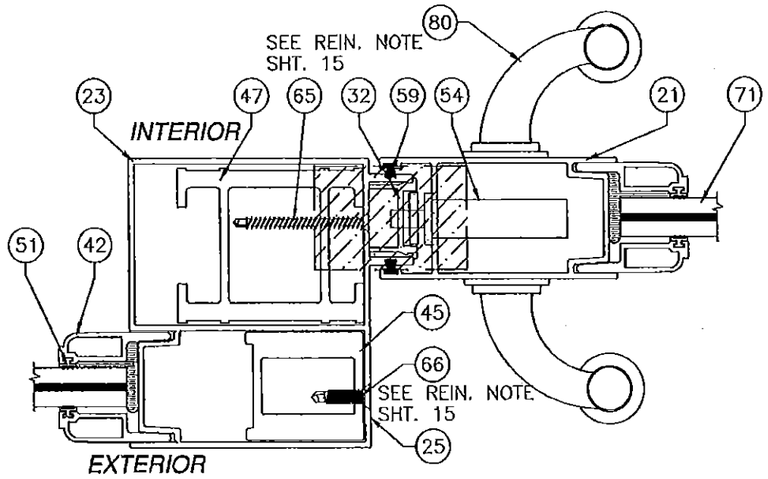
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
VERTICAL AND HORIZONTAL CROSS SECTIONS 5T

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 14A OF 27

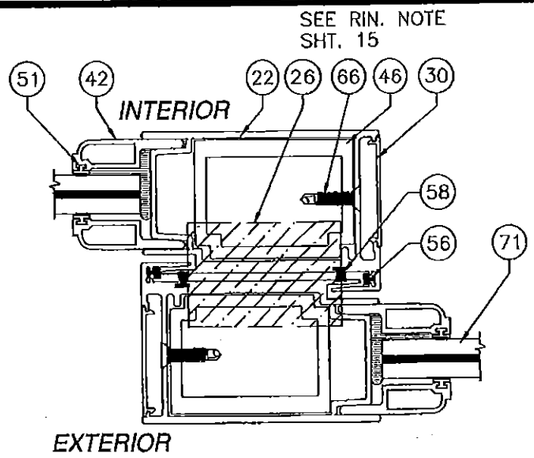
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



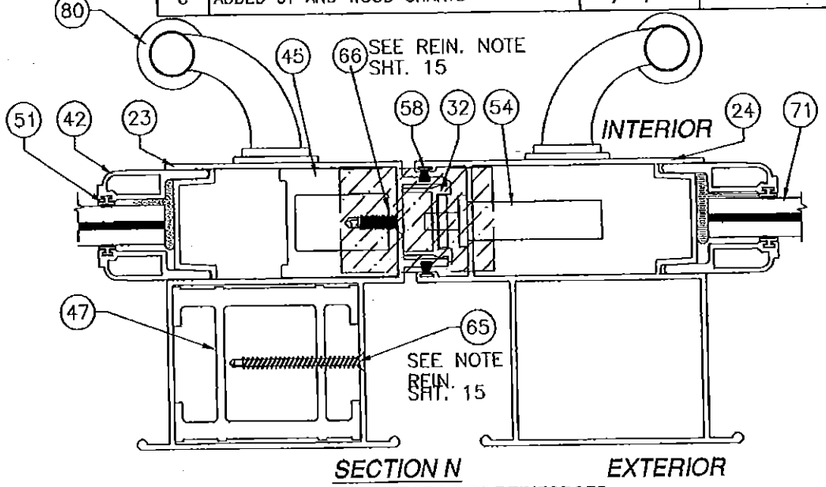
SECTION J

REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



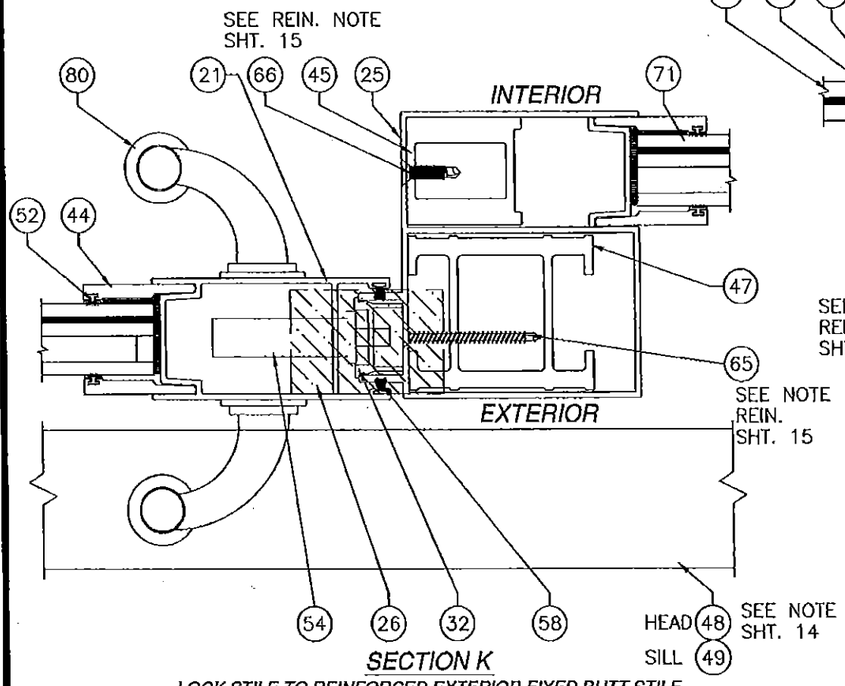
SECTION L

REINFORCED INTERLOCK STILE TO REINFORCED INTERLOCK STILE



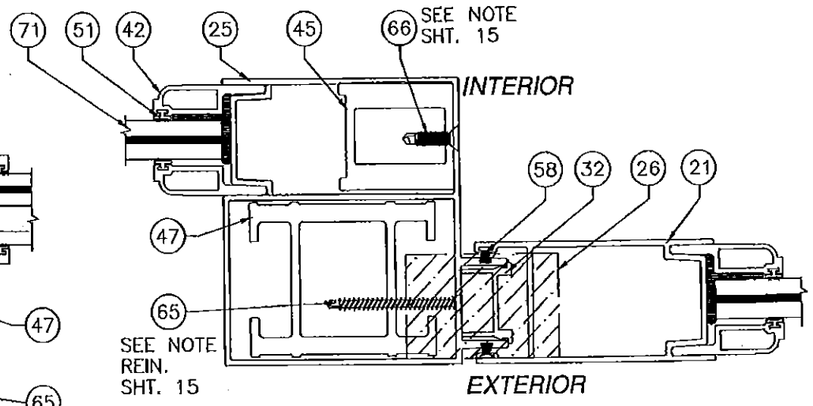
SECTION N

REINFORCED MALE BUTT STILE TO REINFORCED LOCKING BUTT STILE



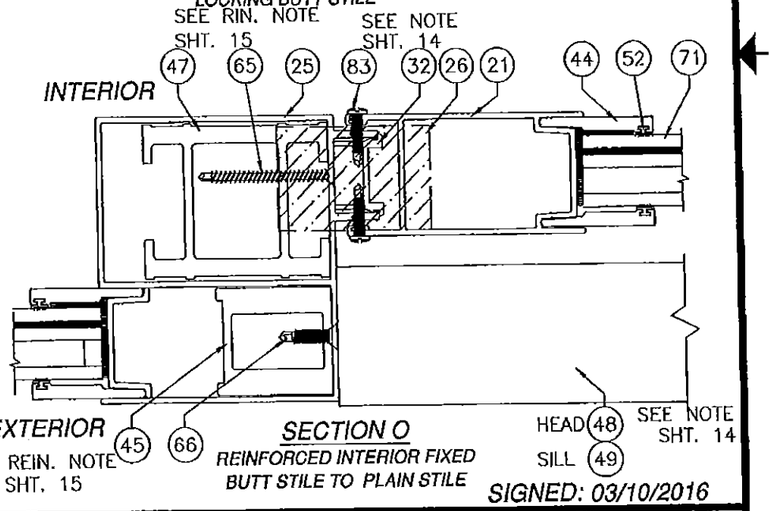
SECTION K

LOCK STILE TO REINFORCED EXTERIOR FIXED BUTT STILE



SECTION M

REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



SECTION O

REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

REINFORCING BAR NOTE:
ITEM #46, INTERLOCK REINFORCING BAR IS SECURED TO INTERLOCK WITH ITEM #66. ITEM #47, FEMALE BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #65. ITEM #45, 6000 BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #66. ALL SCREWS ARE SPACED 6" FROM TOP AND BOTTOM OF STILES AND ONE AT MIDSPAN.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

SIGNED: 03/10/2016

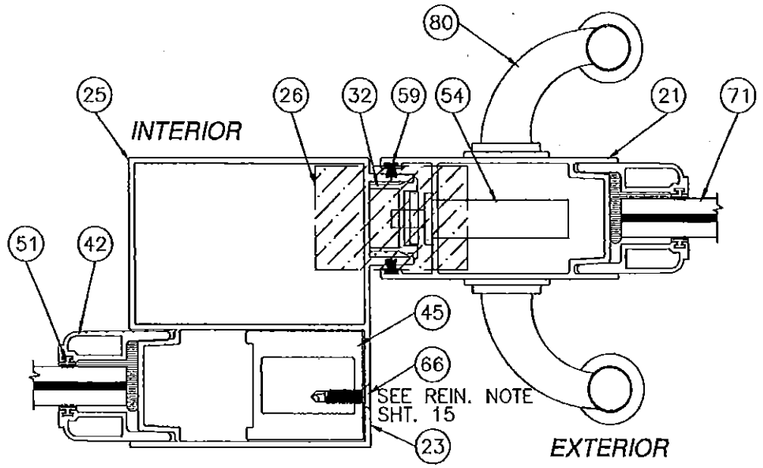
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 15 OF 27

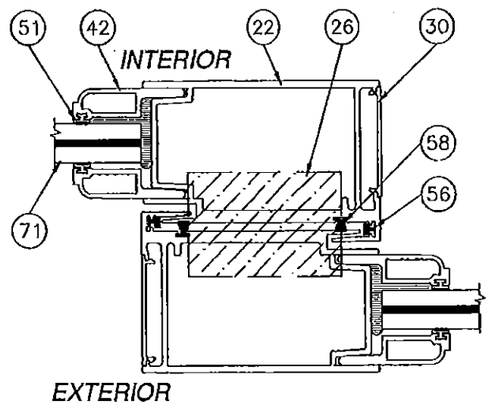
LUIS R. LOMAS
LICENSED
No. 62511
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



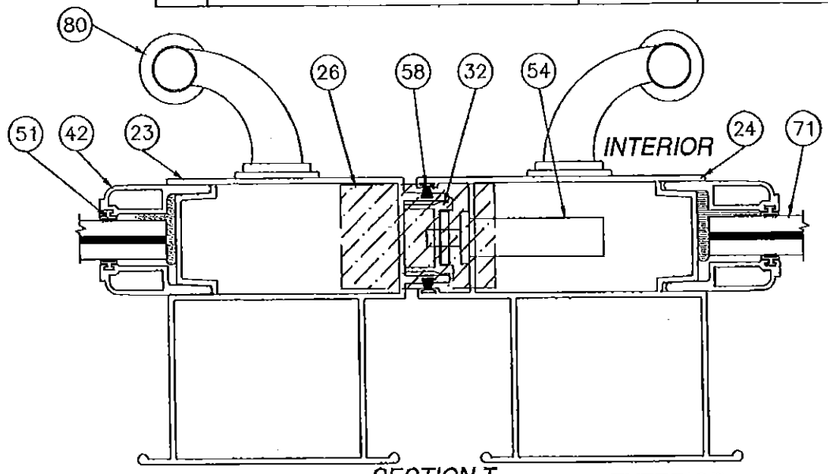
SECTION P

NON-REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



SECTION R

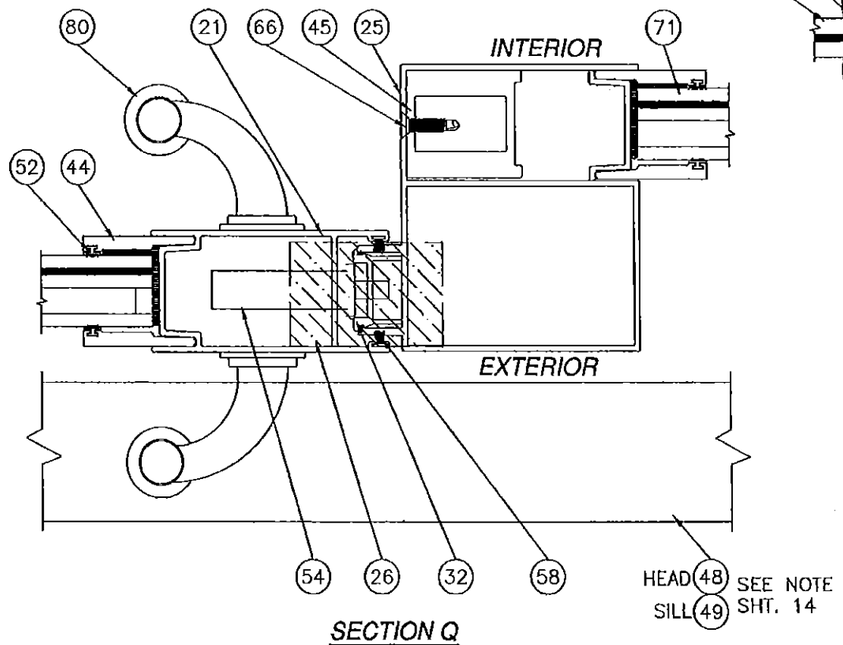
NON-REINFORCED INTERLOCK STILE TO NON-REINFORCED INTERLOCK STILE



SECTION T

NON-REINFORCED MALE BUTT STILE TO NON-REINFORCED LOCKING BUTT STILE

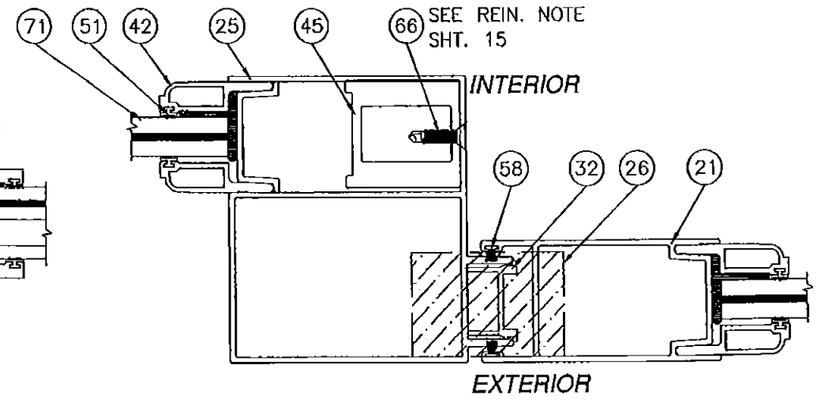
SEE REIN. NOTE SHT. 15



SECTION Q

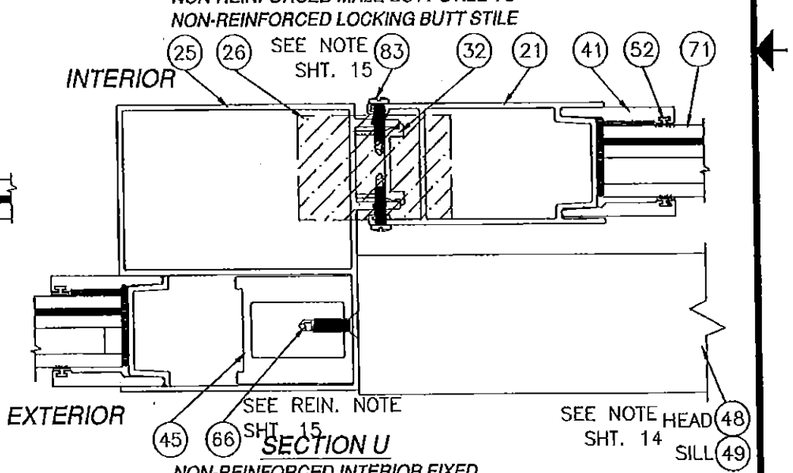
LOCK STILE TO NON-REINFORCED EXTERIOR FIXED BUTT STILE

SEE REIN. NOTE SHT. 15



SECTION S

NON-REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



SECTION U

NON-REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

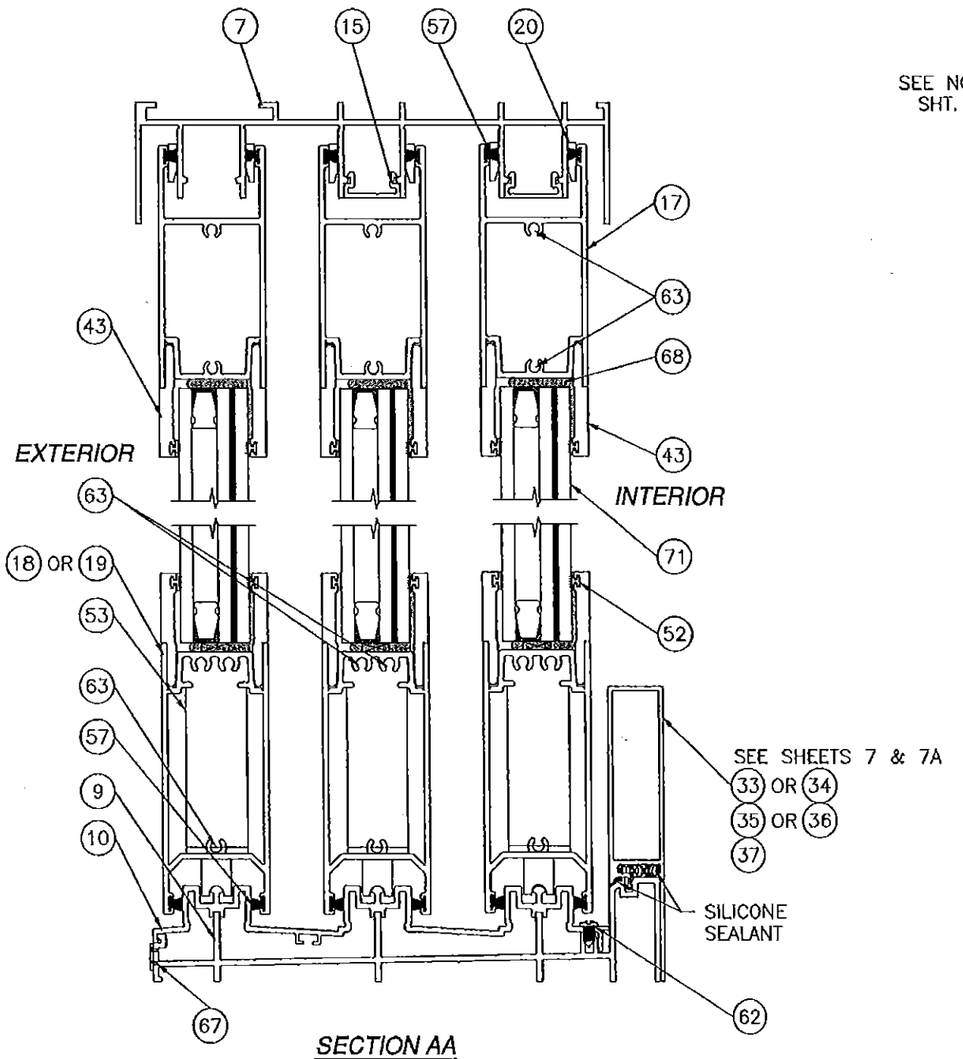
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

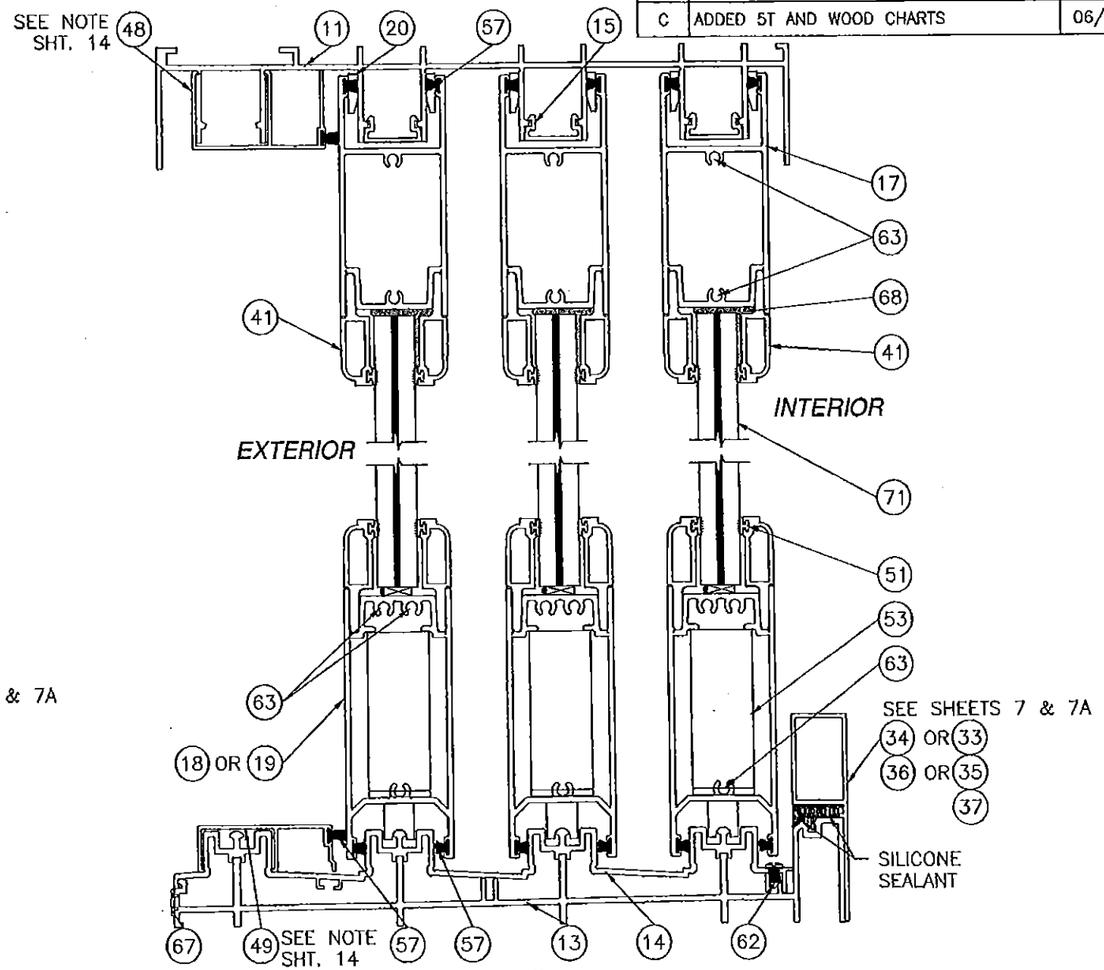
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 16 OF 27

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION AA
3 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEETS 7 & 7A



SECTION BB
4 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEETS 7 & 7A

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

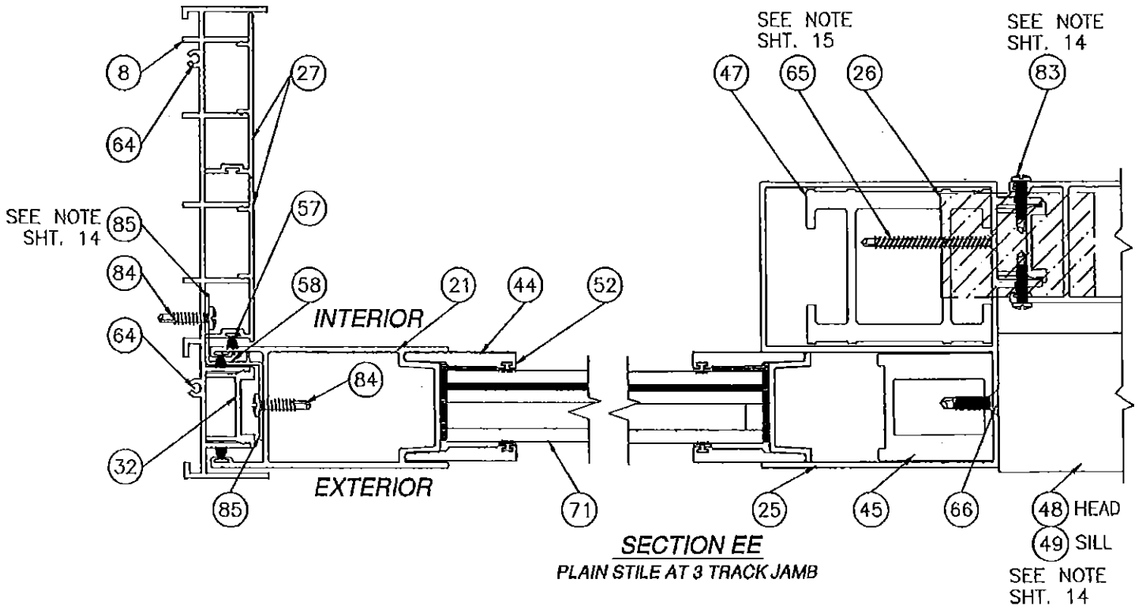
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
VERTICAL CROSS SECTIONS

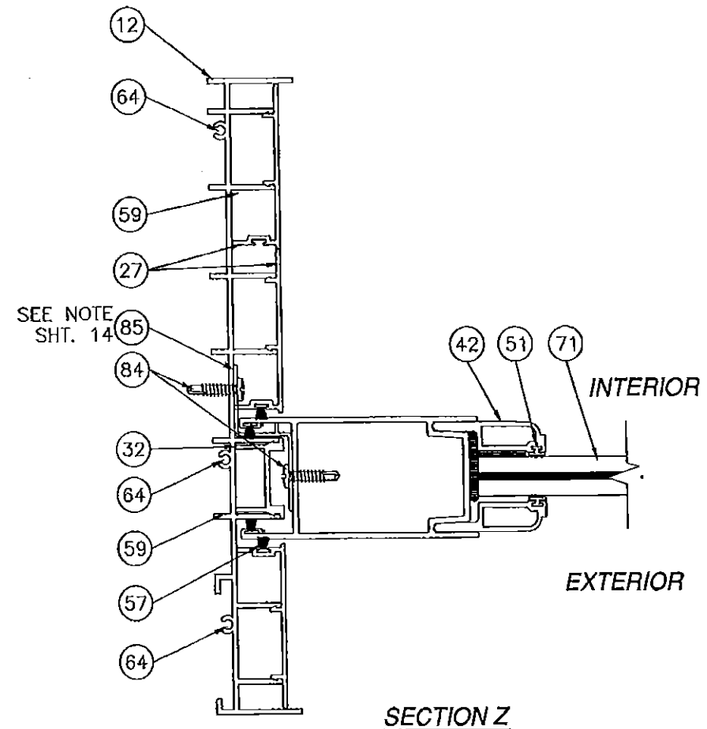
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 17 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

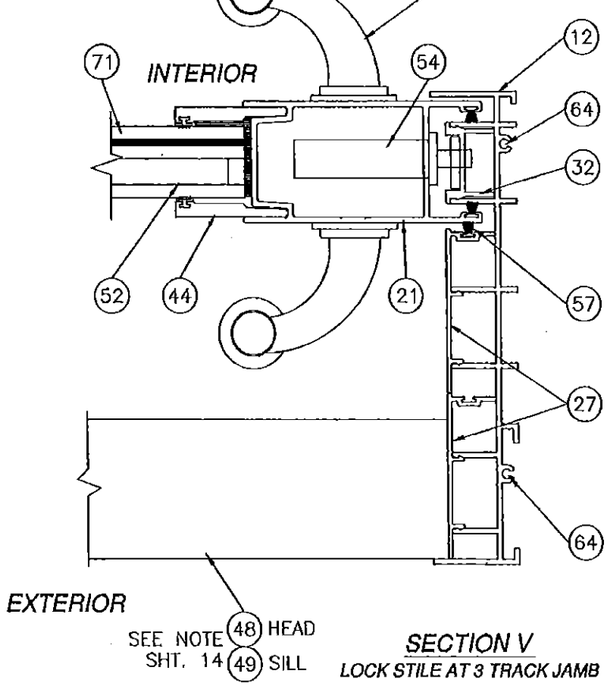
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION EE
PLAIN STILE AT 3 TRACK JAMB



SECTION Z
FIXED PANEL AT 4 TRACK JAMB



SECTION V
LOCK STILE AT 3 TRACK JAMB

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

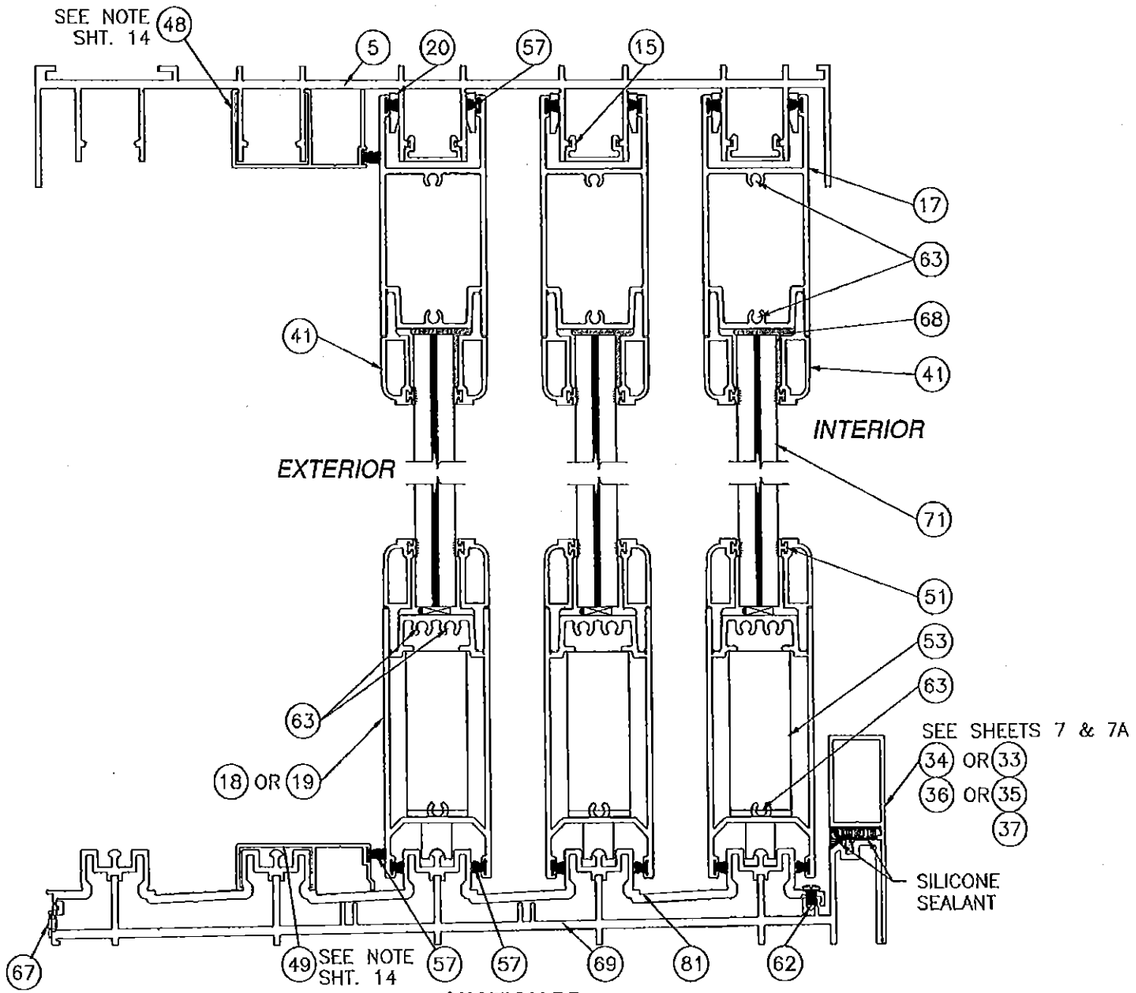
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

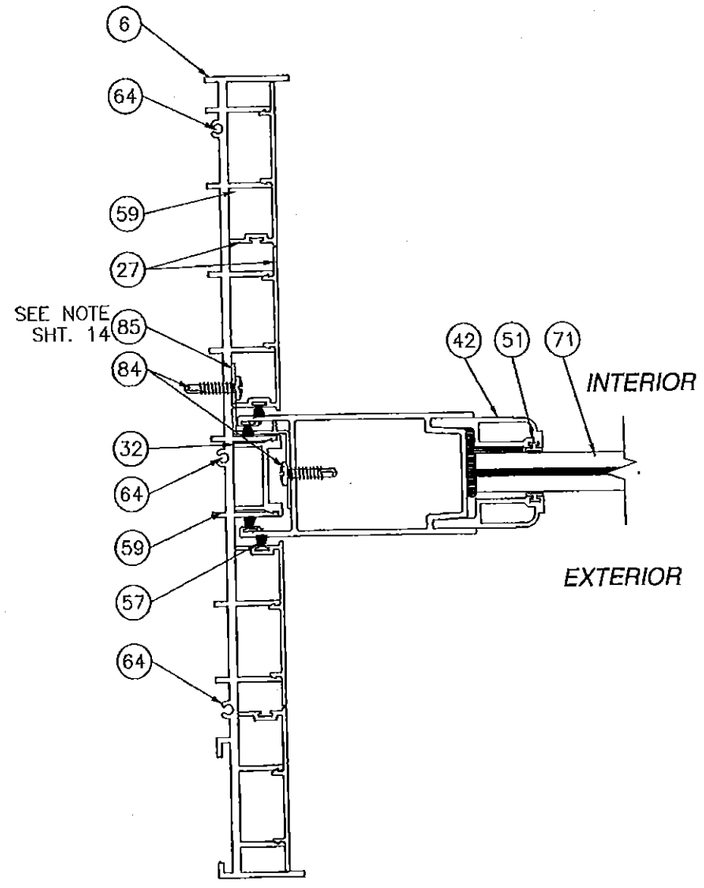
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 18 OF 27

LUIS R. LOMAS
LICENSE
No. 52611
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION BB
5 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEETS 7 & 7A



SECTION Z
FIXED PANEL AT 5 TRACK JAMB

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

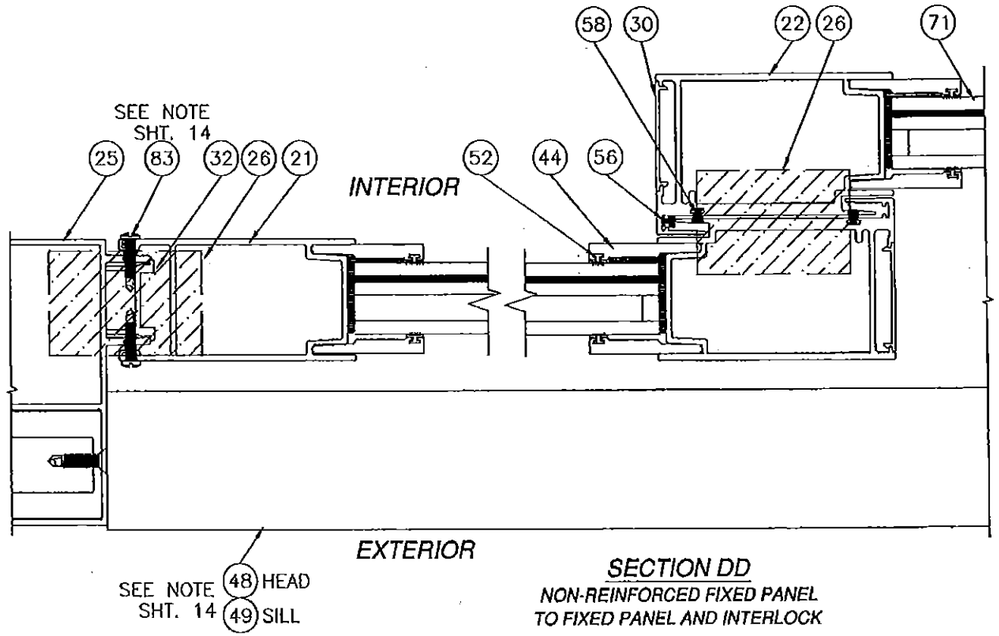
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
VERTICAL AND HORIZONTAL CROSS SECTIONS 5T

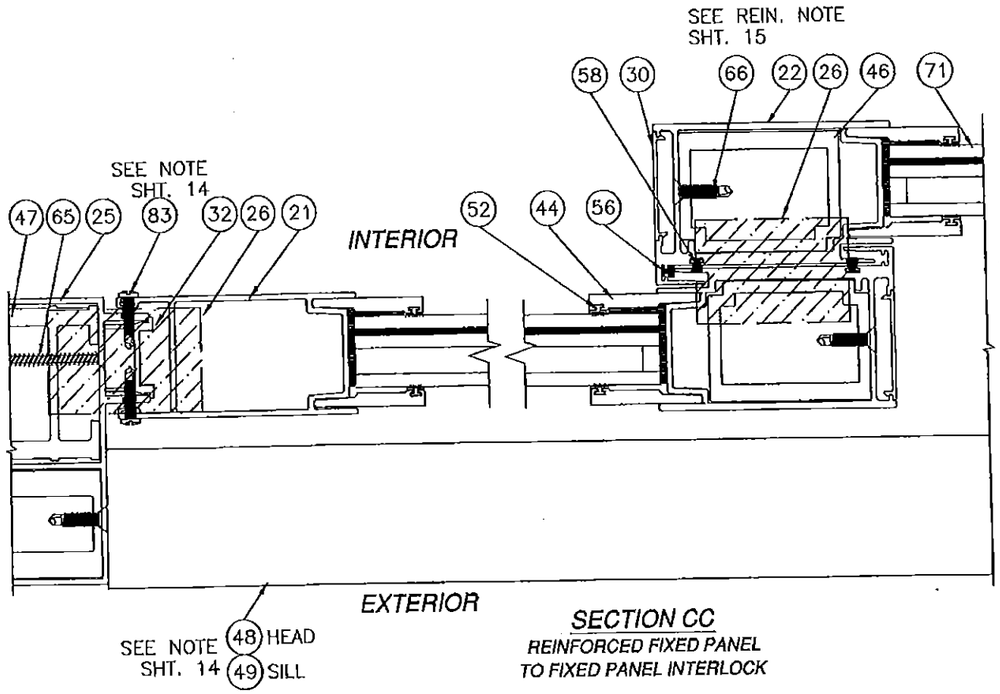
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 18A OF 27

LUIS R. LOMAS
LICENSED
No. 62514
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



SECTION DD
NON-REINFORCED FIXED PANEL
TO FIXED PANEL AND INTERLOCK



SECTION CC
REINFORCED FIXED PANEL
TO FIXED PANEL INTERLOCK

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

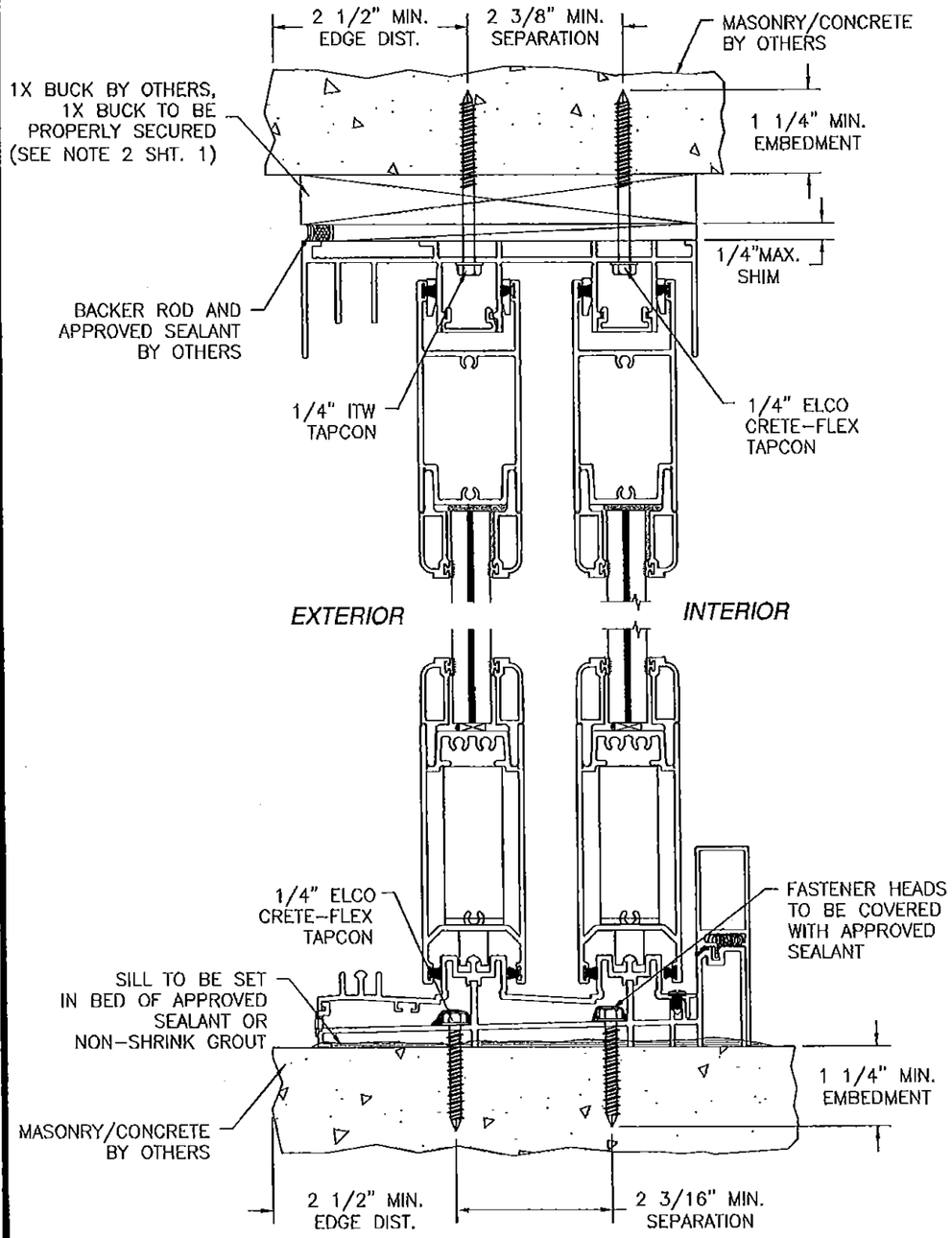
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

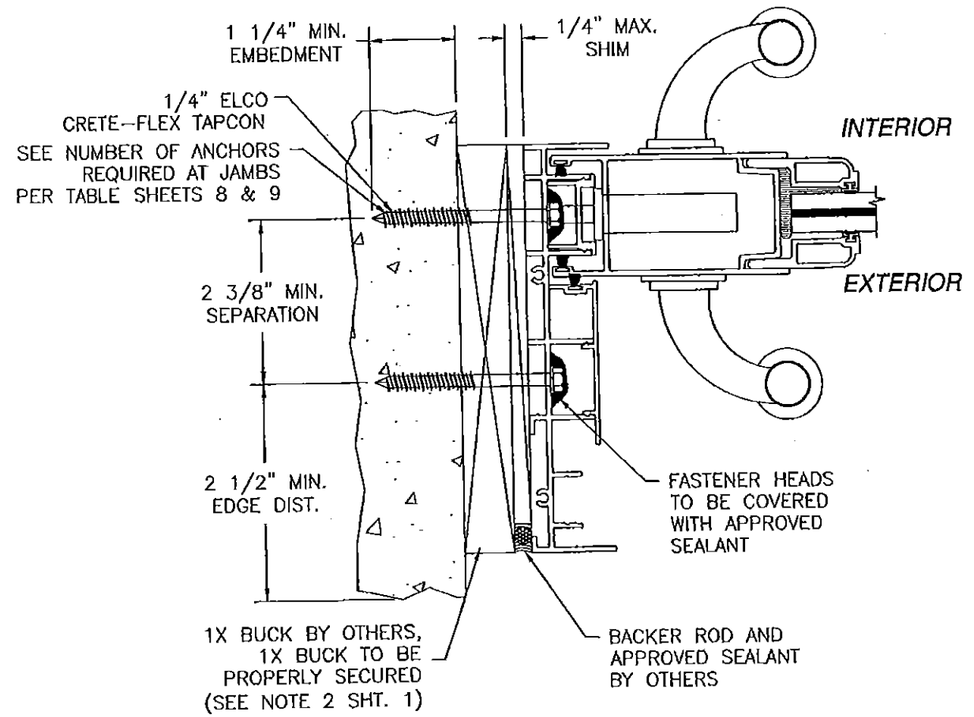
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 19 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION



2 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION.

NOTE:
CONCRETE SUBSTRATE INSTALLATION FOR 2 TRACK SHOWN. ANCHORAGE SIMILAR FOR 3 TRACK AND 4 TRACK SYSTEMS. SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

2 TRACK WITH 3" SILL RISER SHOWN 3 TRACK, 4 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAYBE USED. SEE D.P. TABLES SHEETS 7 & 7A.

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

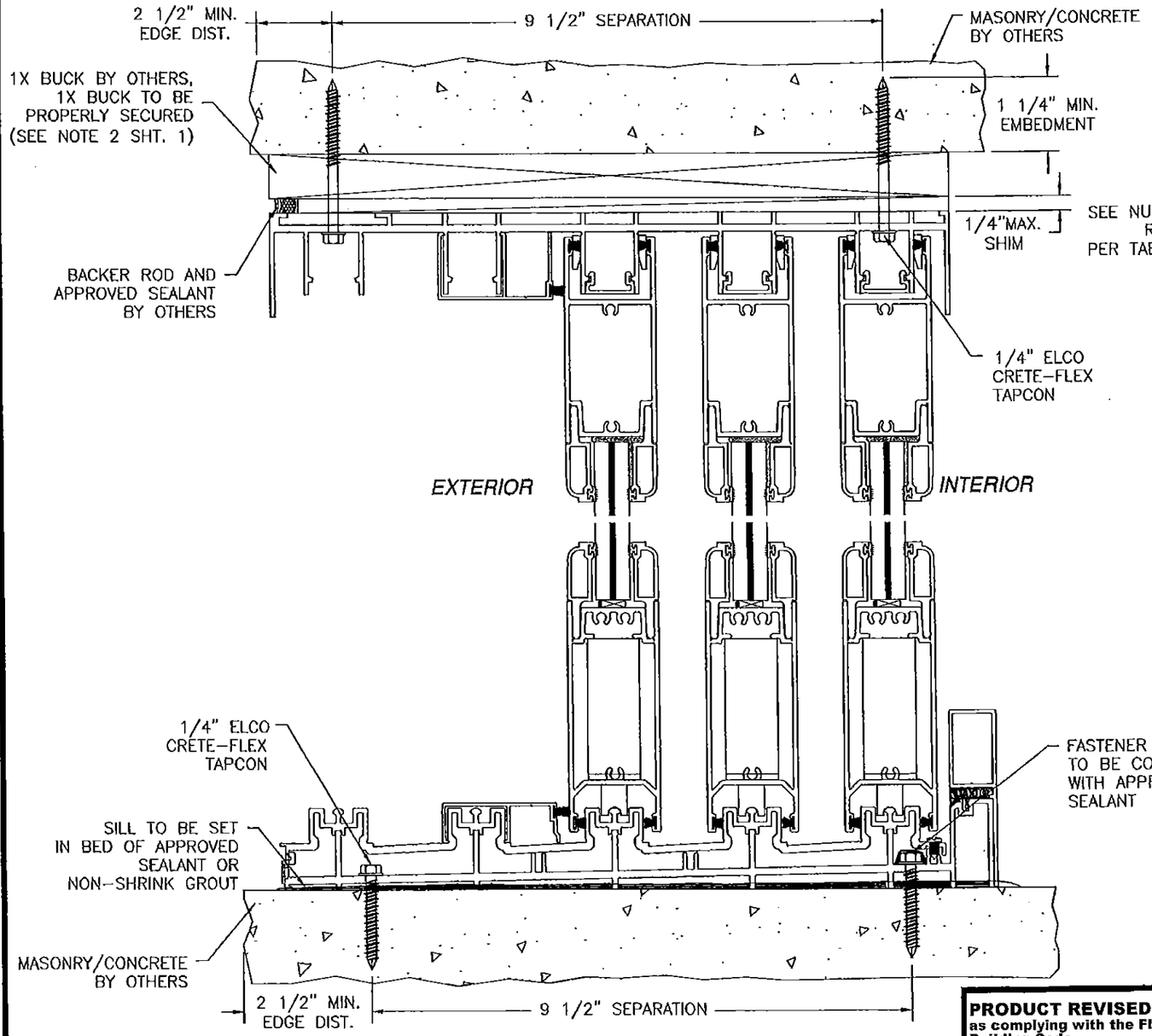
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

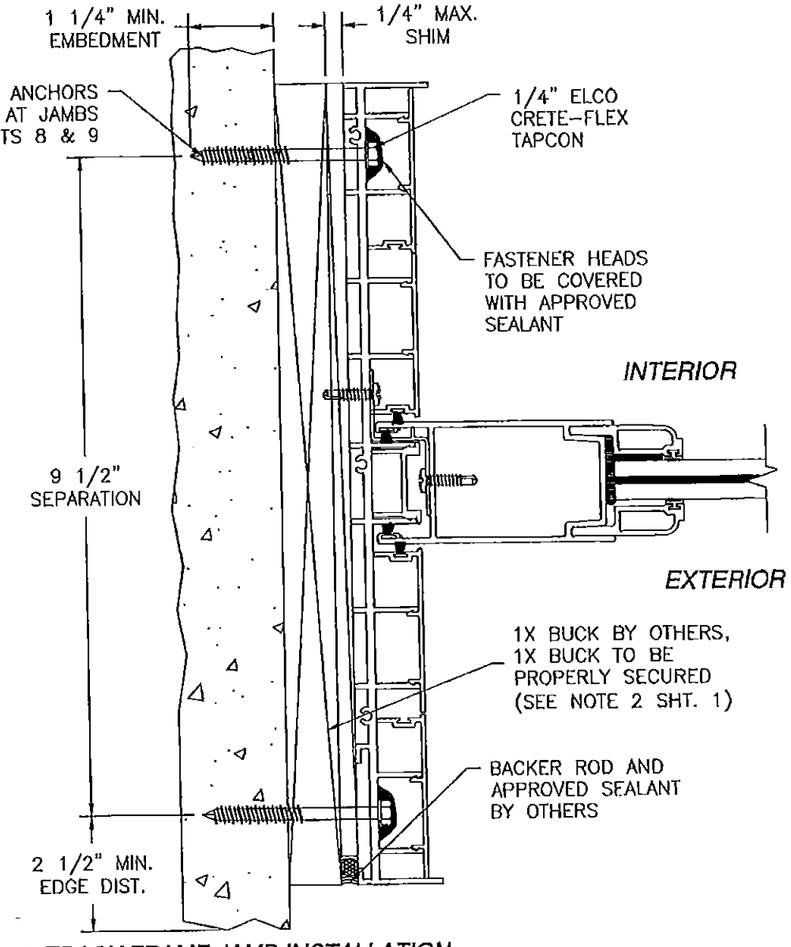
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 20 OF 27

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



5 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION



5 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

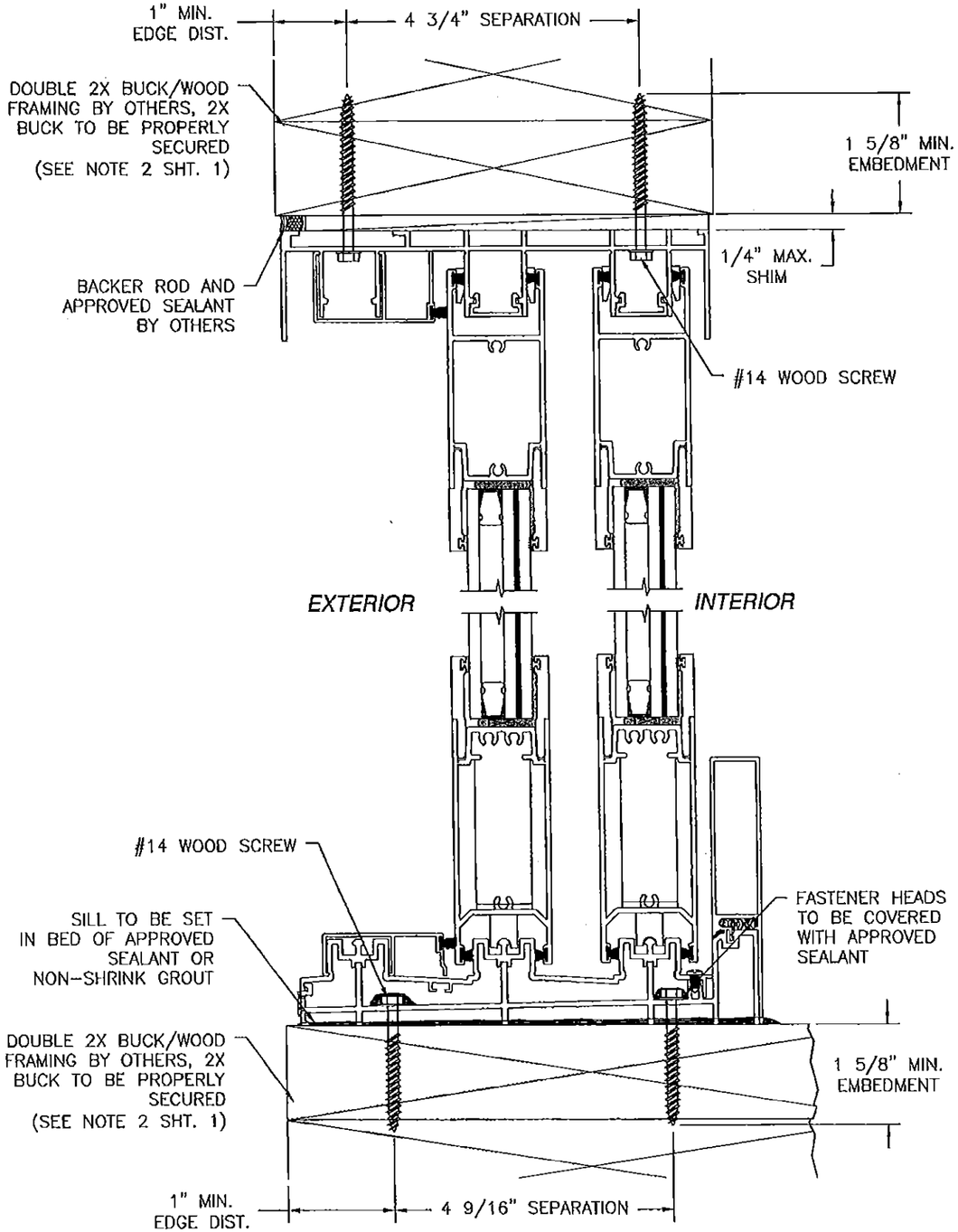
WinDoor INCORPORATED
7550 ANTERRA DRIVE
ORLANDO, FL 32822
Phone (407) 851-6000
Fax (407) 851-0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

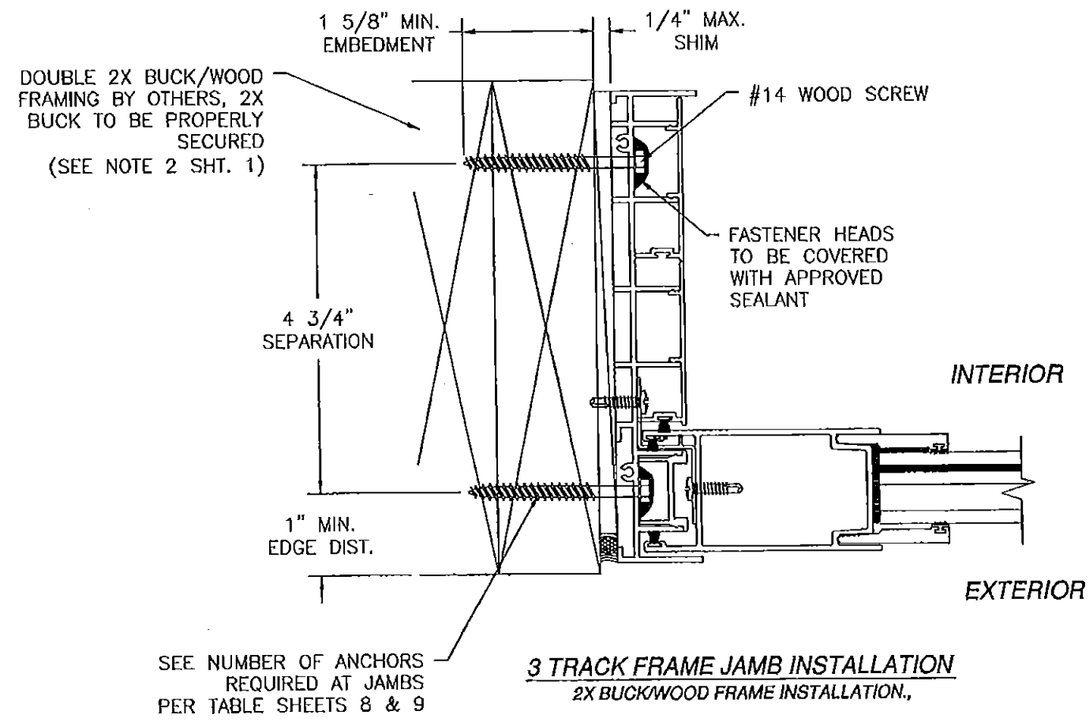
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 20A OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



3 TRACK FRAME VERTICAL INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION



3 TRACK FRAME JAMB INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION.,

NOTE:
2X BUCK/WOOD FRAME SUBSTRATE INSTALLATION FOR 3 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 4 TRACK SYSTEMS. SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

3 TRACK WITH 4 1/4" SILL RISER SHOWN 2 TRACK, 4 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAYBE USED. SEE D.P. TABLES SHEETS 7 & 7A.

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

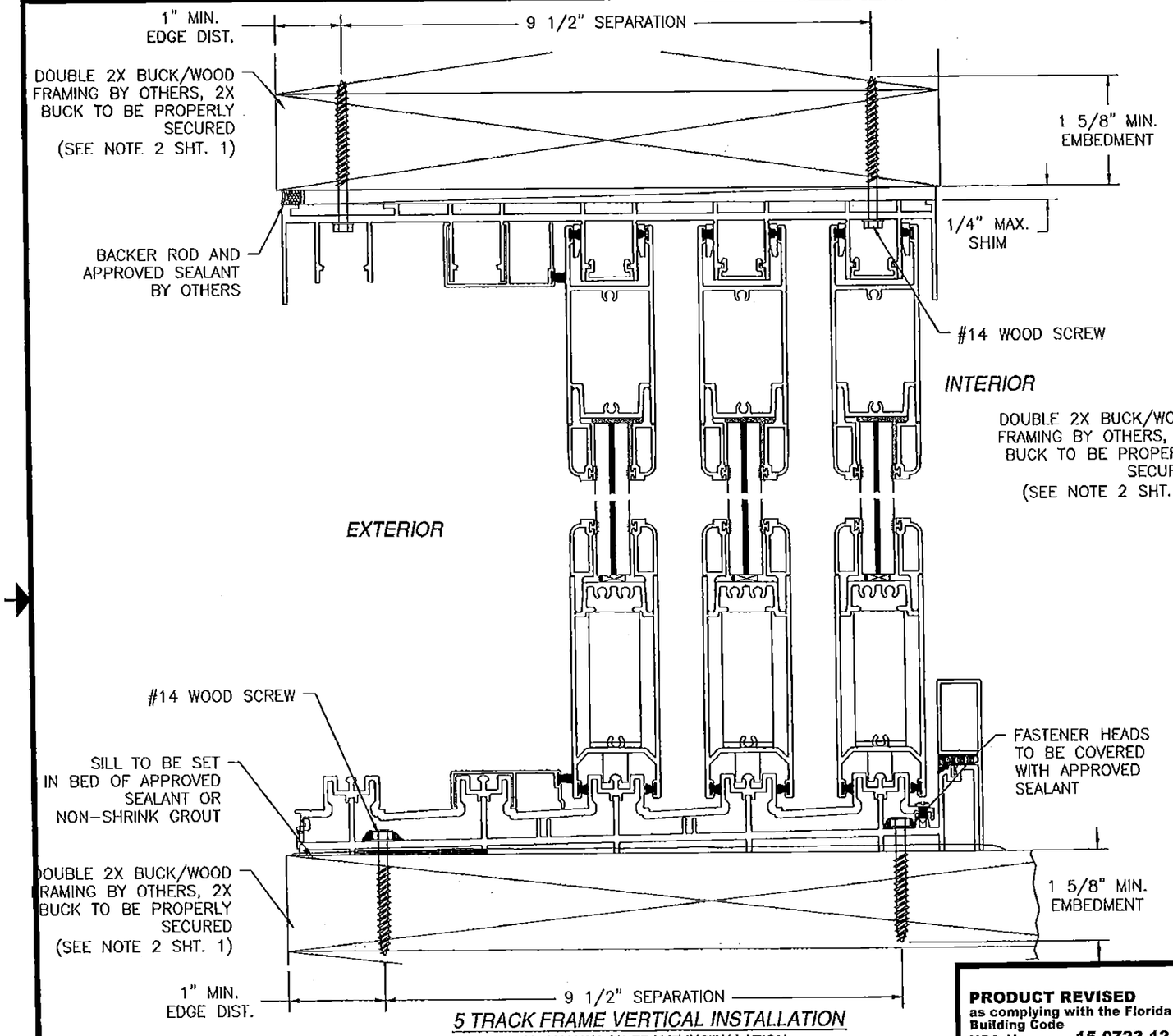
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone 407.481.8400
Fax 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

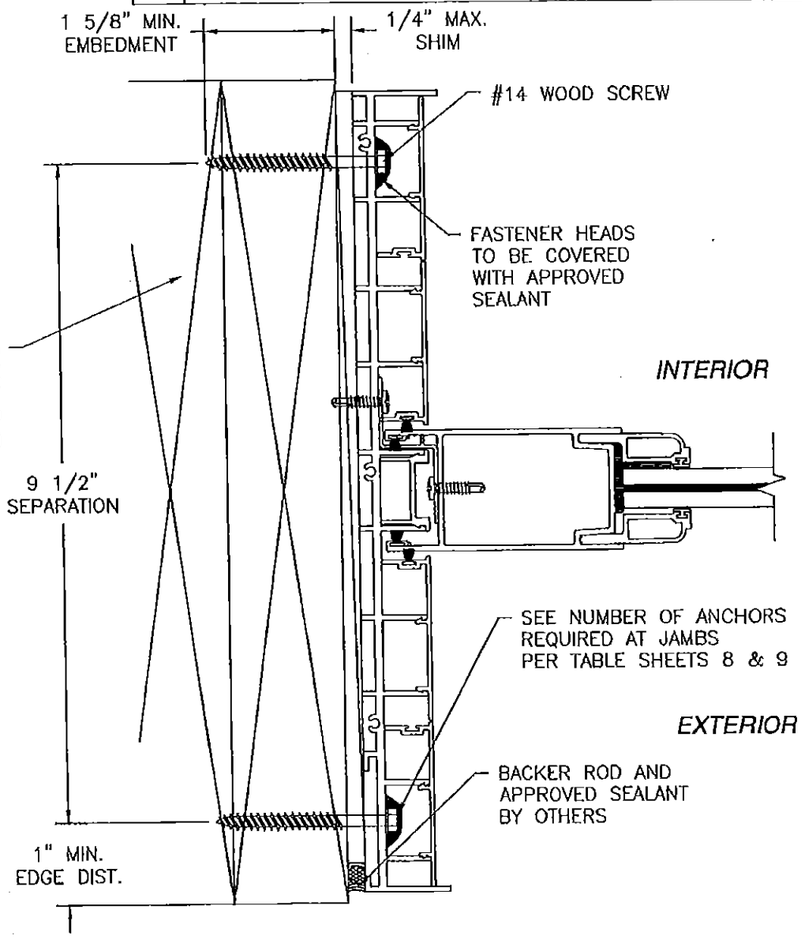
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 21 OF 27

LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



5 TRACK FRAME VERTICAL INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION



5 TRACK FRAME JAMB INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION,

SIGNED: 03/10/2016

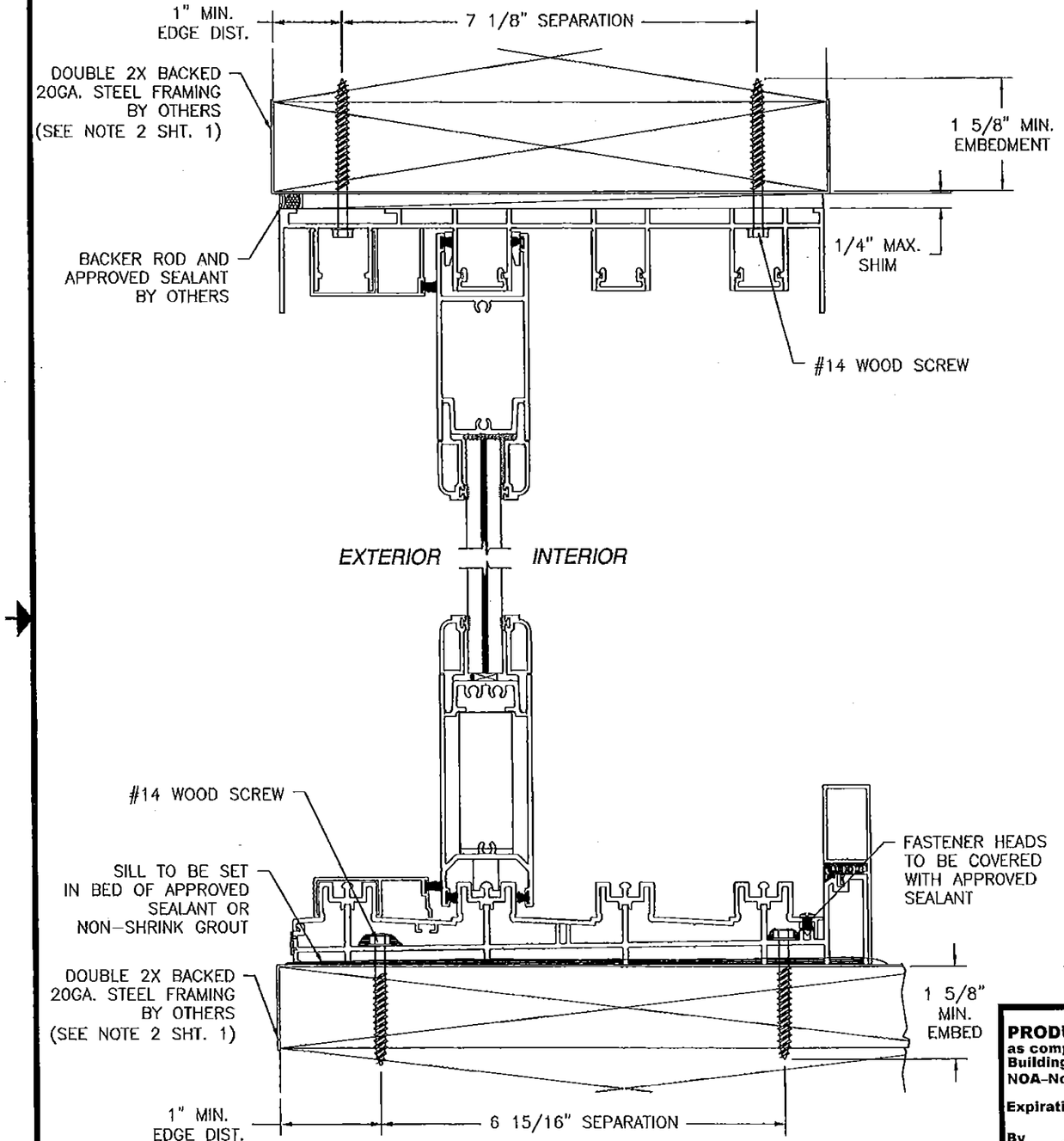
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

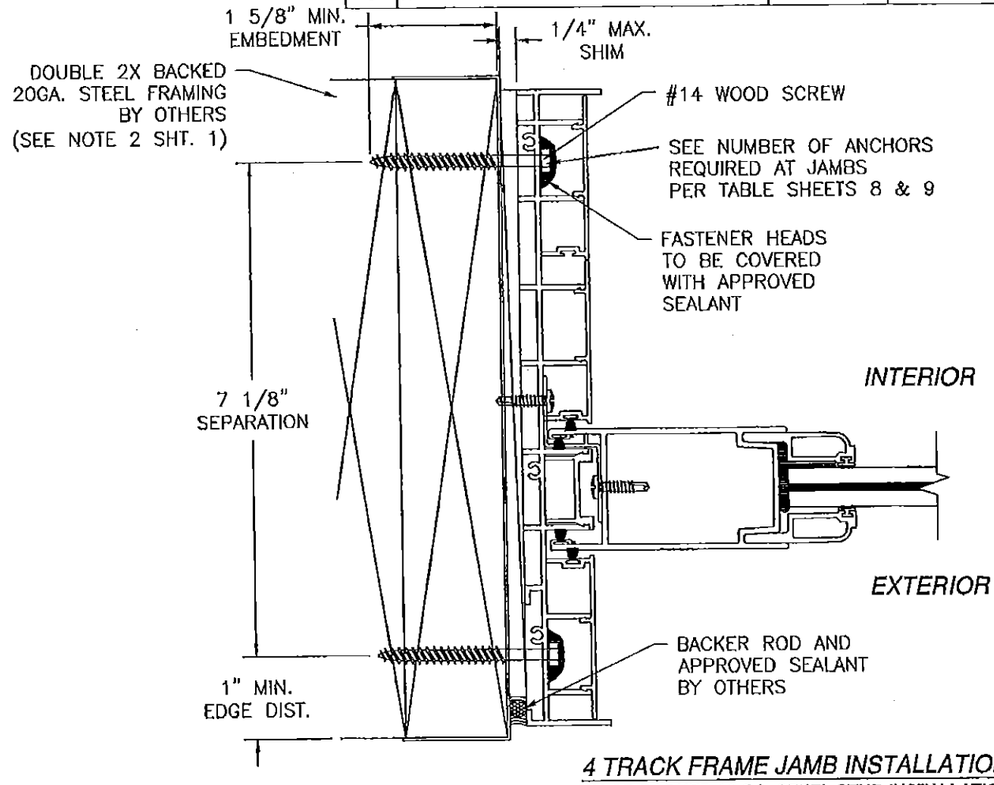
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 21A OF 27

LUIS R. LOMAS LICENSE No. 62511 STATE OF FLORIDA PROFESSIONAL ENGINEER



4 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION.

NOTE:
WOOD BACKED 20 GA. STEEL STUD SUBSTRATE INSTALLATION FOR 4 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 3 TRACK SYSTEMS. SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

4 TRACK WITH 3" SILL RISER SHOWN 2 TRACK, 3 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAYBE USED. SEE D.P. TABLES SHEETS 7 & 7A.

SIGNED: 03/10/2016

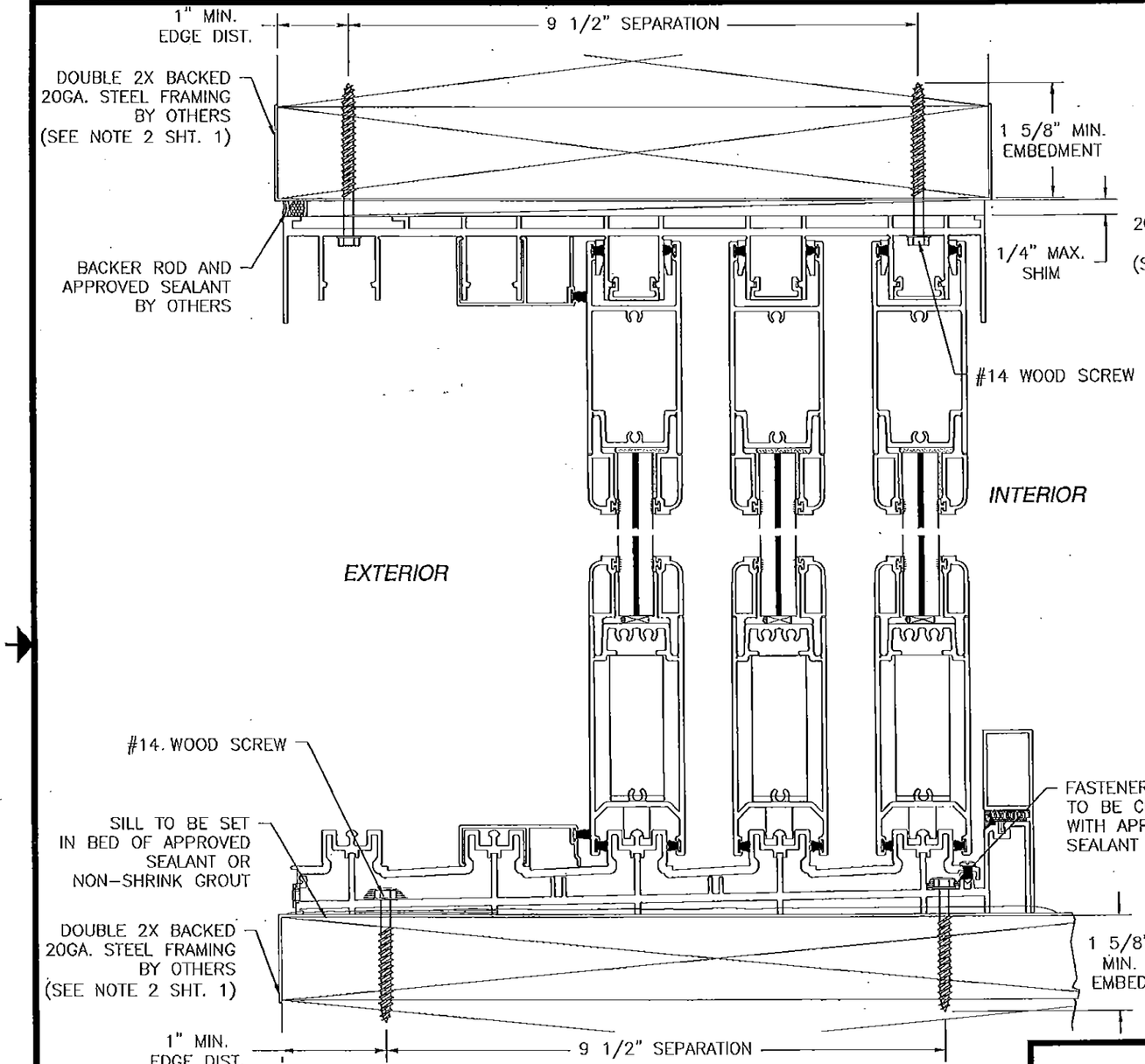
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone 407.481.8400
Fax 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 22 OF 27

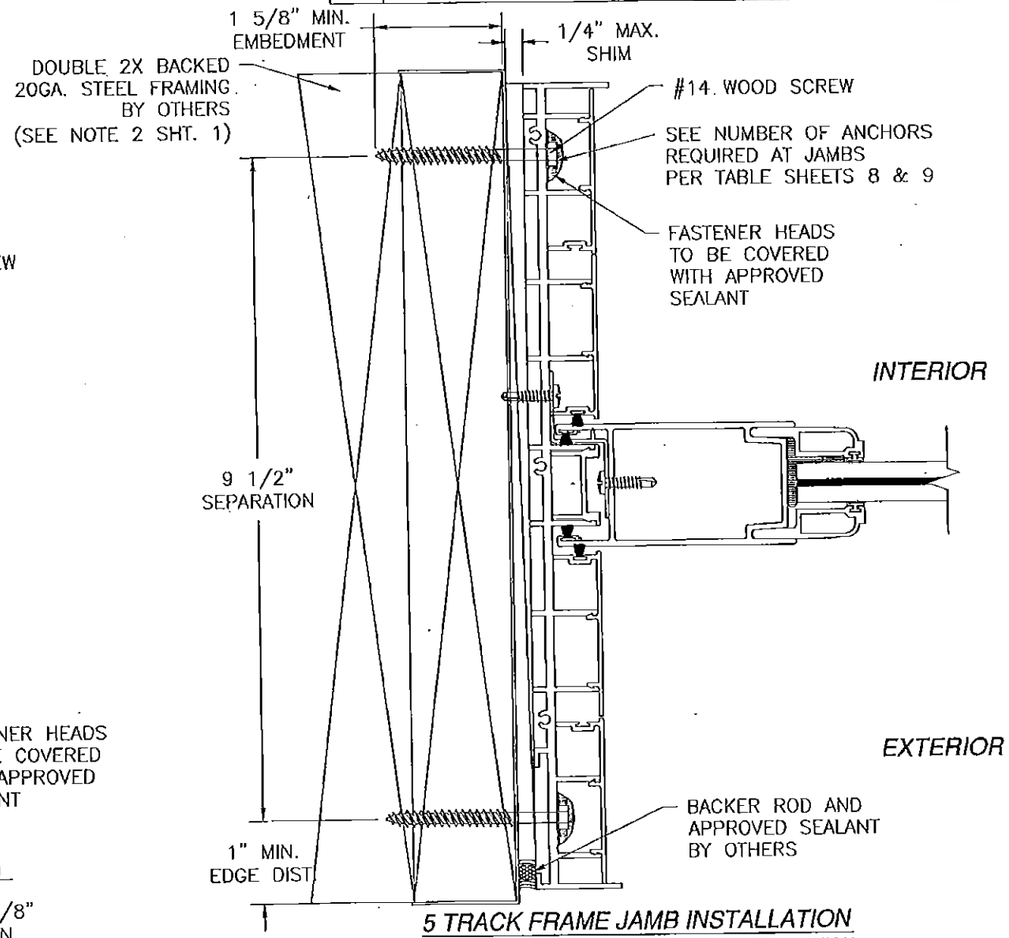
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



5 TRACK FRAME VERTICAL INSTALLATION

WOOD BACKED 20 GA. STEEL STUD INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



5 TRACK FRAME JAMB INSTALLATION

WOOD BACKED 20 GA. STEEL STUD INSTALLATION

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

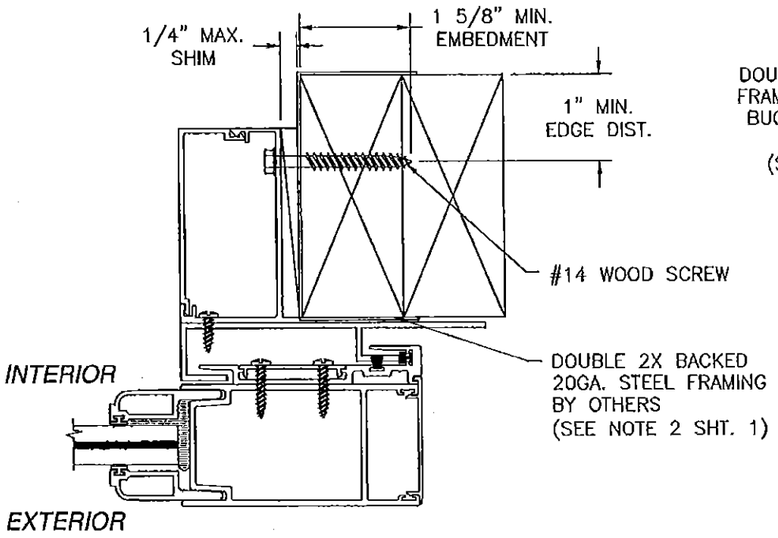
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL. 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

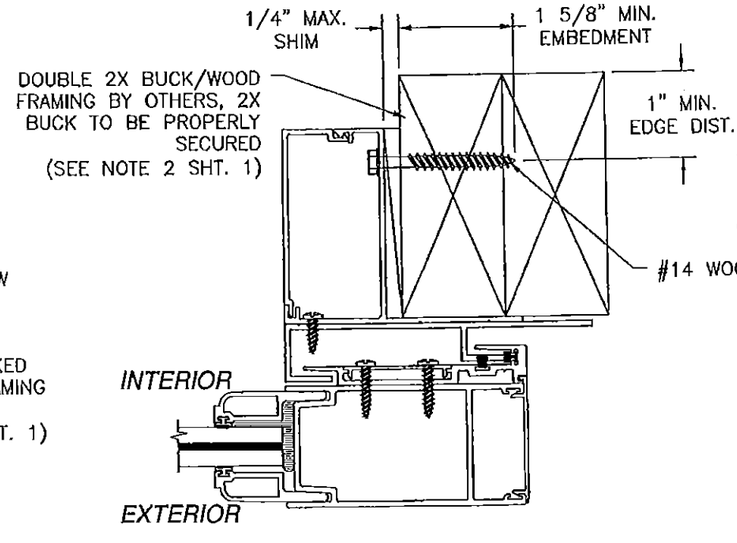
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 22A OF 27

LUIS R. LOMAS
LICENSE
No. 82511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

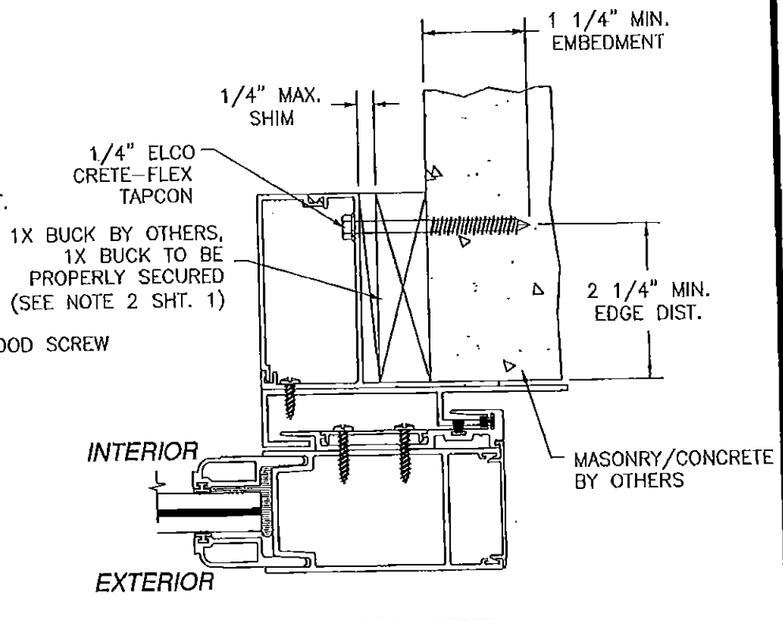
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



POCKET HOOK STRIP
WOOD BACKED 20 GA. STEEL STUD INSTALLATION



POCKET HOOK STRIP
2X BUCK/WOOD FRAME INSTALLATION



POCKET HOOK STRIP
MASONRY/CONCRETE INSTALLATION

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

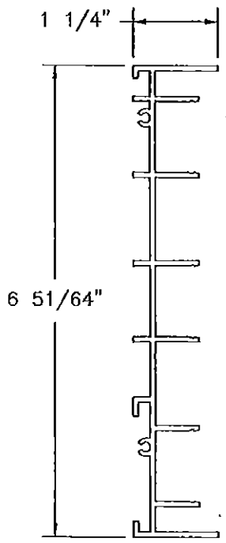
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

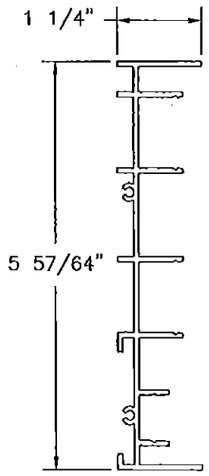
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 23 OF 27

LUIS R. LOMAS LICENSE No. 62517 STATE OF FLORIDA PROFESSIONAL ENGINEER

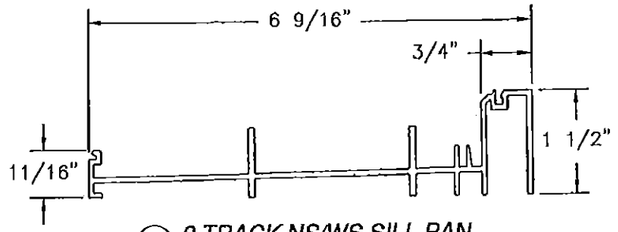
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



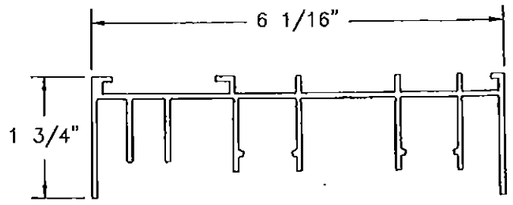
(8) *3 TRACK FRAME JAMB*
ALUMINUM 6063-T6 .075" THICK



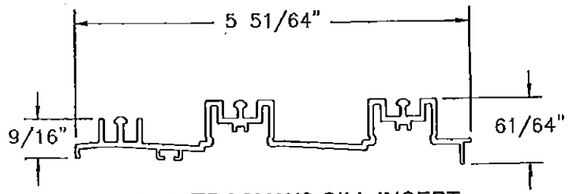
(2) *2 TRACK WS FRAME JAMB*
ALUMINUM 6063-T6 .075" THICK



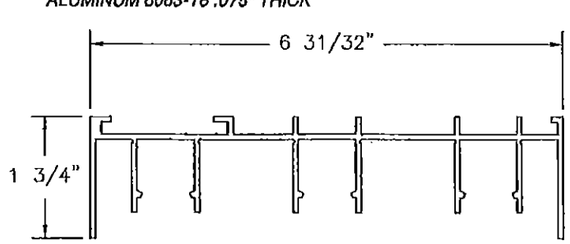
(3) *2 TRACK NS/WS SILL PAN*
ALUMINUM 6063-T6 .075" THICK



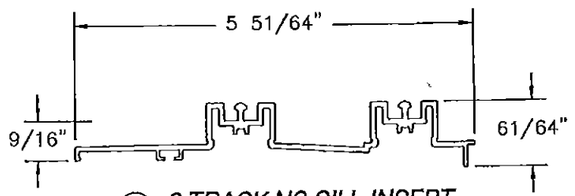
(1) *2 TRACK WS FRAME HEAD*
ALUMINUM 6063-T6 .075" THICK



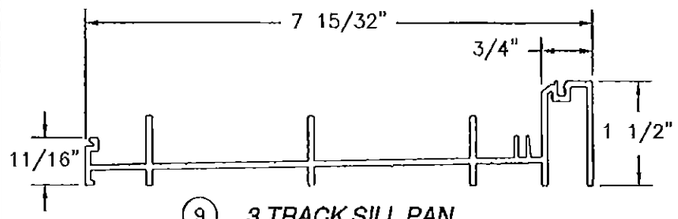
(4) *2 TRACK WS SILL INSERT*
ALUMINUM 6063-T6 .075" THICK



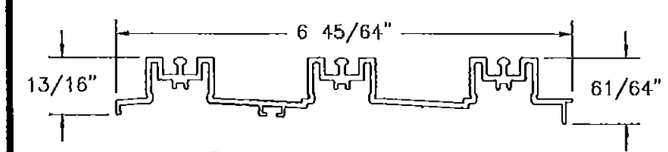
(7) *3 TRACK FRAME HEAD*
ALUMINUM 6063-T6 .075" THICK



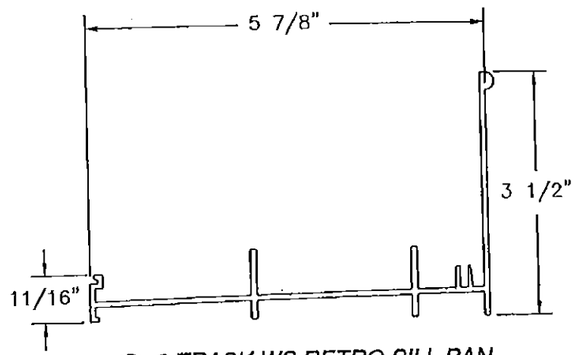
(61) *2 TRACK NS SILL INSERT*
ALUMINUM 6063-T6 .075" THICK



(9) *3 TRACK SILL PAN*
ALUMINUM 6063-T6 .075" THICK



(10) *3 TRACK SILL INSERT*
ALUMINUM 6063-T6 .075" THICK



(70) *2 TRACK WS RETRO SILL PAN*
ALUMINUM 6063-T6 .075" THICK

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

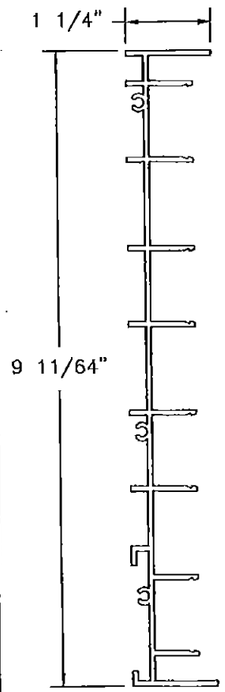
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
COMPONENTS

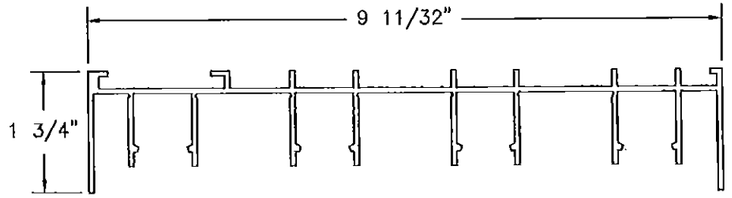
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 24 OF 27

LUIS R. LOMAS
LICENSE
No. 62511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

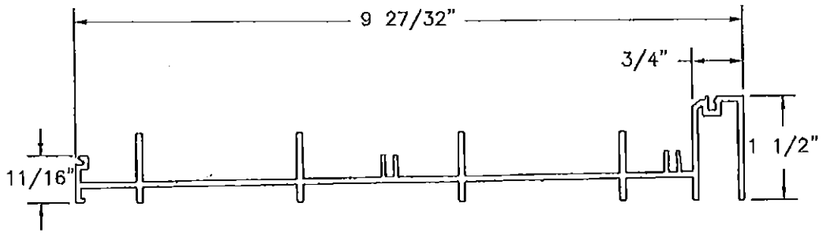
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



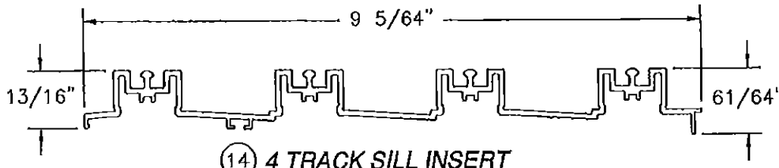
(12) 4 TRACK FRAME JAMB
ALUMINUM 6063-T6 .075" THICK



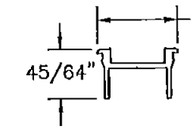
(11) 4 TRACK FRAME HEAD
ALUMINUM 6063-T6 .075" THICK



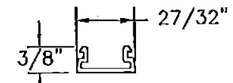
(13) 4 TRACK SILL PAN
ALUMINUM 6063-T6 .075" THICK



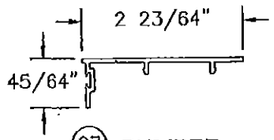
(14) 4 TRACK SILL INSERT
ALUMINUM 6063-T6 .075" THICK



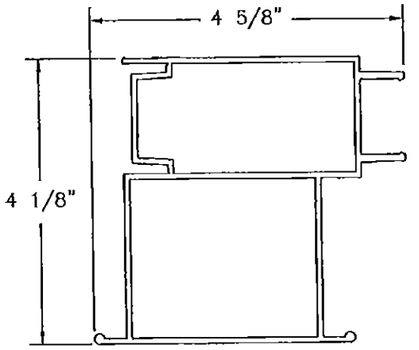
(32) PANEL STILE JAMB INSERT
ALUMINUM 6063-T6 .075" THICK



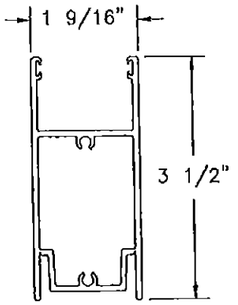
(15) FRAME HEAD INSERT
ALUMINUM 6063-T6 .060" THICK



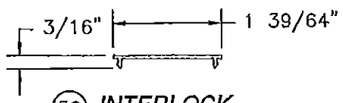
(27) BUMPER JAMB INSERT
ALUMINUM 6063-T6 .060" THICK



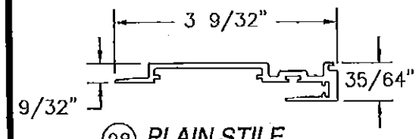
(23) FEMALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080" THICK



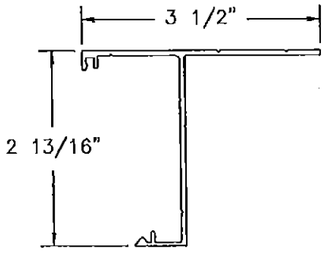
(17) TOP RAIL
ALUMINUM 6063-T6 .080" THICK



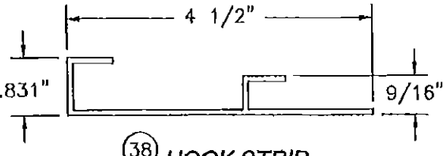
(30) INTERLOCK SNAP COVER
ALUMINUM 6063-T6 .051" THICK



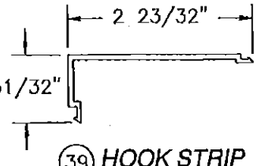
(28) PLAIN STILE INTERLOCK
ALUMINUM 6063-T6 .075" THICK



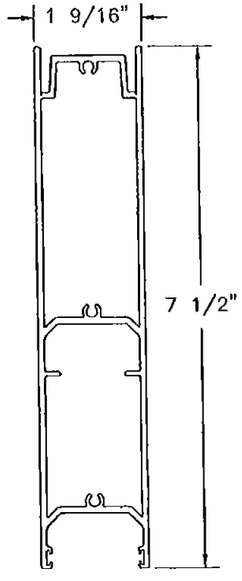
(40) HOOK STRIP WALL MOUNT
ALUMINUM 6063-T6 .075" THICK



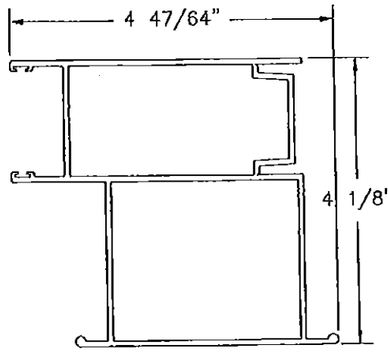
(38) HOOK STRIP
ALUMINUM 6063-T6 .080" THICK



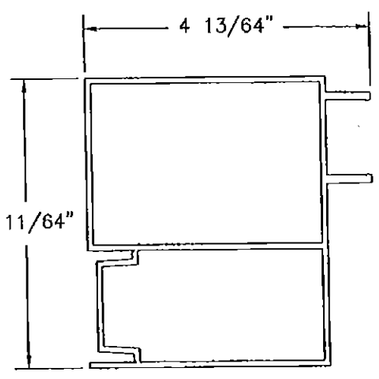
(39) HOOK STRIP WALL COVER
ALUMINUM 6063-T6 .075" THICK



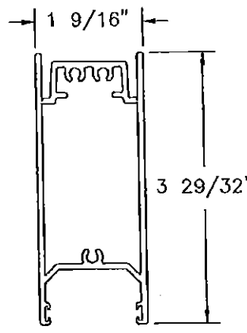
(19) TALL BOTTOM RAIL
ALUMINUM 6063-T6 .080" THICK



(24) MALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080" THICK



(25) FEMALE BUTT STILE INT. OFFSET
ALUMINUM 6063-T6 .080" THICK



(18) BOTTOM RAIL
ALUMINUM 6063-T6 .080" THICK

SIGNED: 03/10/2016

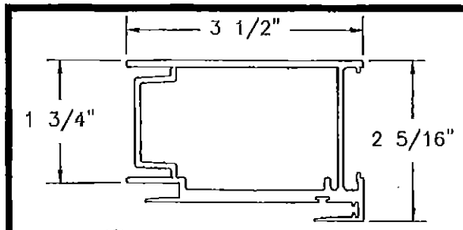
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

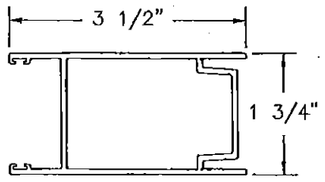
8100 SERIES LMI
REINFORCED & NON-REINFORCED
COMPONENTS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 25 OF 27

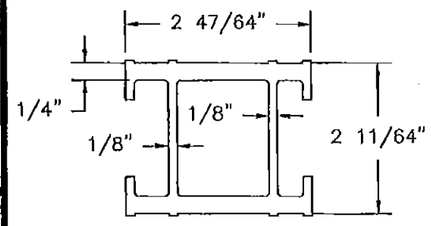
LUIS R. LOMAS
LICENSED
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



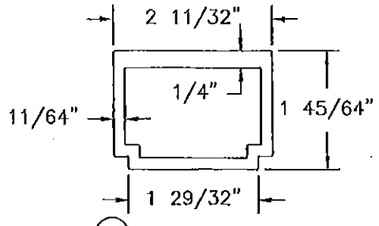
(22) INTERLOCK STILE
ALUMINUM 6063-T6 .080" THICK



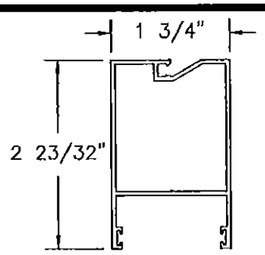
(21) LOCK STILE
ALUMINUM 6063-T6 .080" THICK



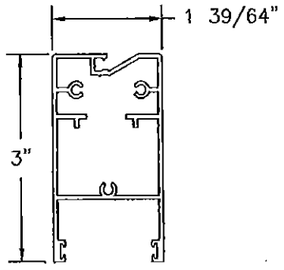
(47) FEMALE BUTT STILE REINFORCING BAR
ALUMINUM 6005-T5 .125" THICK



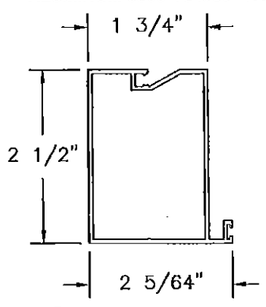
(46) INTERLOCK REINFORCING BAR
ALUMINUM 6005-T5 .168" THICK



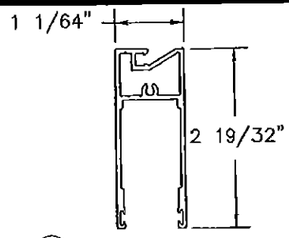
(73) MT SCREEN STILE
ALUMINUM 6063-T6 .060" THICK



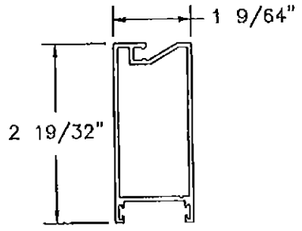
(72) MT SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .060" THICK



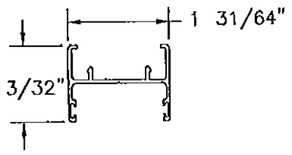
(74) MT SCREEN STILE W/SEAL
ALUMINUM 6063-T6 .060" THICK



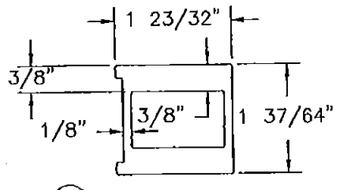
(76) BOX SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .062" THICK



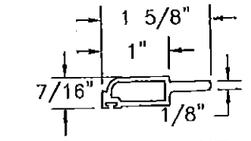
(73) BOX SCREEN STILE
ALUMINUM 6063-T6 .062" THICK



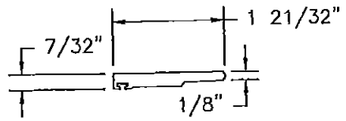
(79) BOX SCREEN ASTRAGAL
ALUMINUM 6063-T6 .050" THICK



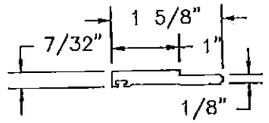
(45) 6000 BUTT STILE REINFORCING BAR
ALUMINUM 6061-T6 .375" THICK



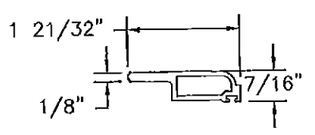
(41) 9/16" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



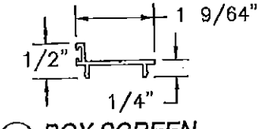
(44) 1" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



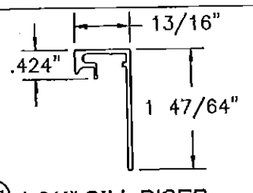
(43) 1" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



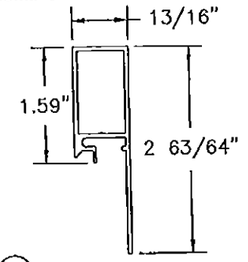
(42) 9/16" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



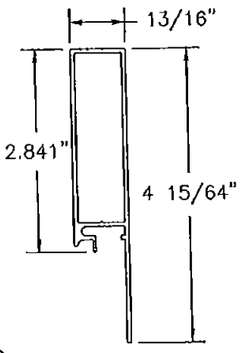
(78) BOX SCREEN SWEEP
ALUMINUM 6063-T6 .060" THICK



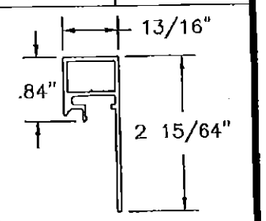
(33) 1 3/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



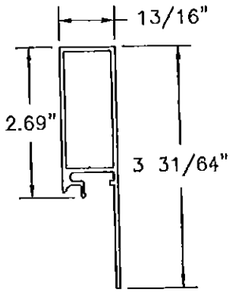
(35) 3" SILL RISER
ALUMINUM 6063-T6 .060" THICK



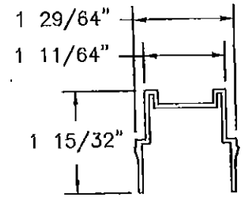
(37) 4 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



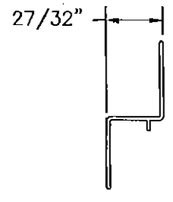
(34) 2 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK

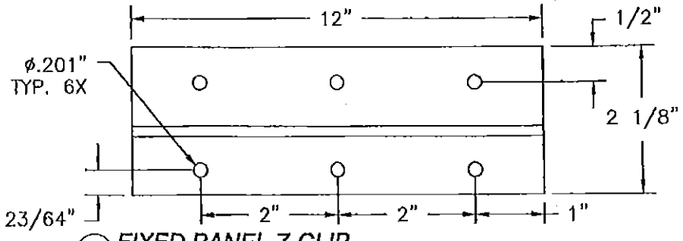


(36) 3 1/2" SILL RISER
ALUMINUM 6063-T6 .060" THICK



(75) MT SCREEN ASTRAGAL
ALUMINUM 6063-T6 .060" THICK





(85) FIXED PANEL Z-CLIP
6063-T6 ALUM. .050" THICK

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By
Miami-Dade Product Control

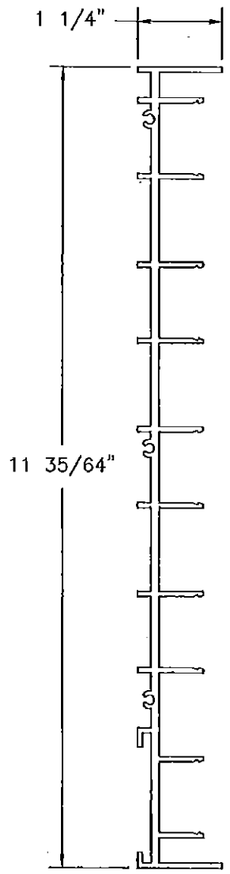
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
COMPONENTS

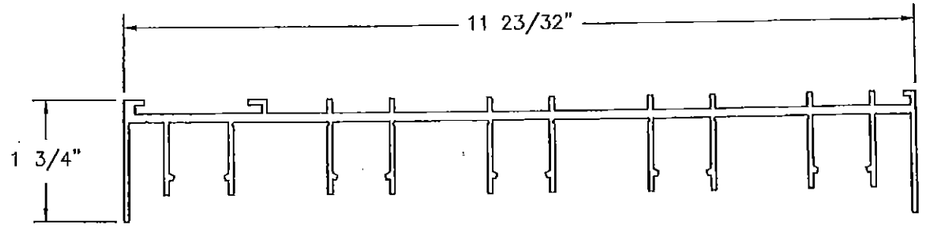
DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 26 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

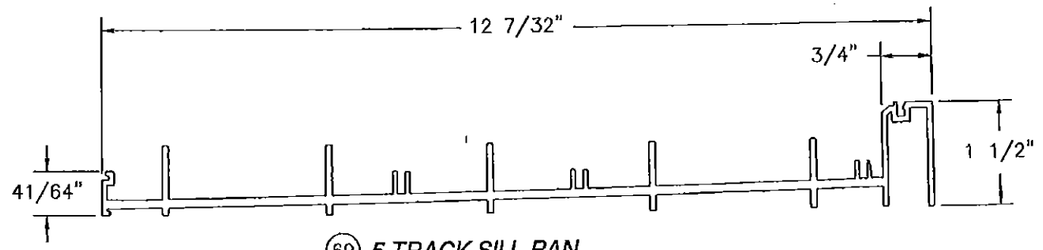
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAY 06, 2010	05/12/10	R.L.
B	PER LETTERS DATED 9/28 & 11/23 2010	12/09/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



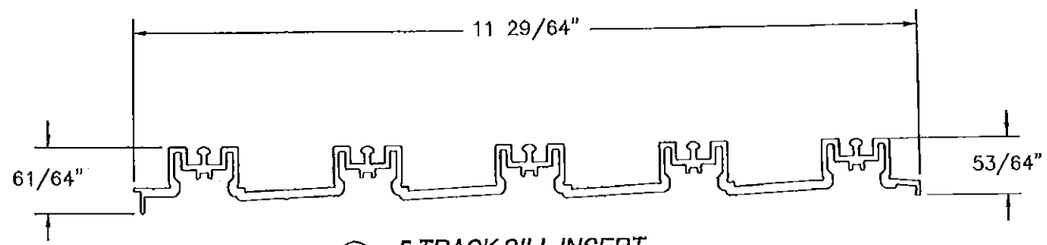
(6) *5 TRACK FRAME JAMB*
ALUMINUM 6063-T6 .075" THICK



(5) *5 TRACK FRAME HEAD*
ALUMINUM 6063-T6 .075" THICK



(69) *5 TRACK SILL PAN*
ALUMINUM 6063-T6 .125" THICK



(81) *5 TRACK SILL INSERT*
ALUMINUM 6063-T6 .125" THICK

SIGNED: 03/10/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.12
Expiration Date 03/31/2021
By Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES LMI
REINFORCED & NON-REINFORCED
COMPONENTS

DRAWN:	DWG NO.	REV
TJH	08-00875	C
SCALE NTS	DATE 10/13/09	SHEET 27 OF 27

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER