



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-N.I.

APPROVAL DOCUMENT: Drawing No. 08-00943, titled "8100 Series Alum SGD, Non-Impact, Reinforced & Non-reinforced", sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 02/04/10 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: None. Approved Hurricane Protection devices, complying w/ FBC are required.

LIMITATION:

1. Vinyl item # 51 & 52 (TP-1051) of B.O.M. shall meet material properties listed per Bayshore vinyl compound BVC 7200-70, manufactured by Team Plastics.

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 # 12-0130.15 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.**



JMP
4/14/16

NOA No. 15-0723.13
Expiration Date: June 23, 2021
Approval Date: April 14, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 10-0422.09)
2. Drawing No. **08-00943**, titled "8100 Series Alum SGD, Non-Impact, Reinforced & Non-reinforced", sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 02/04/10 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 202-94Along with marked-up drawings and installation diagram of Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3570-1** and **NTCL-210-3570-2** both dated 12/01/09 and **revised** and **reissued** on 02/04/11, both signed & sealed by Gerald J, Ferrara, P.E.
(Note: These test reports have addendum letters dated 08/16/10, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.)
(Submitted under NOA No. 10-0422.09)

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2014, dated 06/08/15 and last revised on 03/15/16, 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. Technical data sheet of flexible vinyl compound BVC7200-70, published by Bayshore Vinyl Compounds Inc.

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.



Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0723.12
Expiration Date: June 23, 2021
Approval Date: April 14, 2016

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHERS

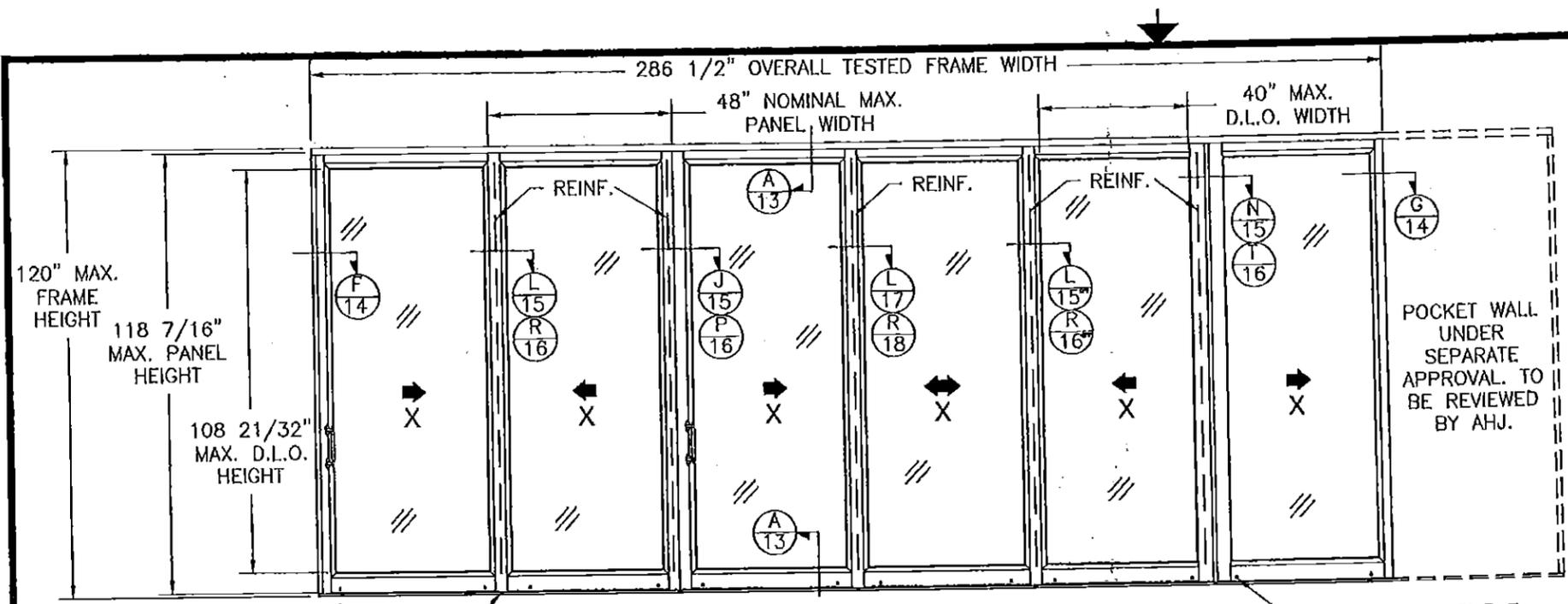
1. Notice of Acceptance No. **12-0130.15**, issued to Continental Glass Systems, Inc. for their Series "8100" Aluminum Sliding Glass Door w/wo Reinforcements-N.I., approved on 04/19/12 and expiring on 06/23/16.
2. Test Proposal #07-3147 dated 02/07/08, approved by BCCO.
(Submitted under NOA No. 10-0422.09)



Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 15-0723.12
Expiration Date: June 23, 2021
Approval Date: April 14, 2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.

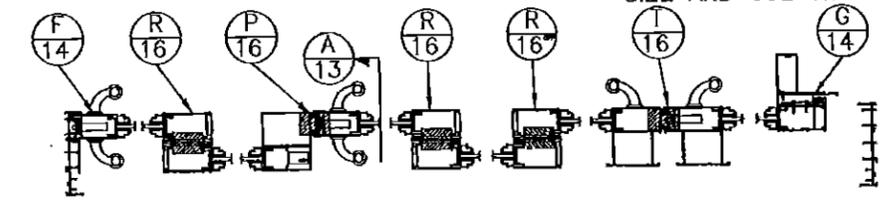
- NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2014 FLORIDA BUILDING CODE, 5th. EDITION.
 2. WOOD FRAMING/1X OR 2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. 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 1/4" TEMPERED OR 1" IGU TEMPERED PER ASTM E1300-04. SEE GLAZING DETAILS SHEET 12.
 6. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 7. APPROVED TO BE INSTALLED ON A 2 TRACK, 3 TRACK, 4 TRACK OR 5 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS.



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

8100 SERIES 4'0 x 10'0 NON-IMPACT 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.

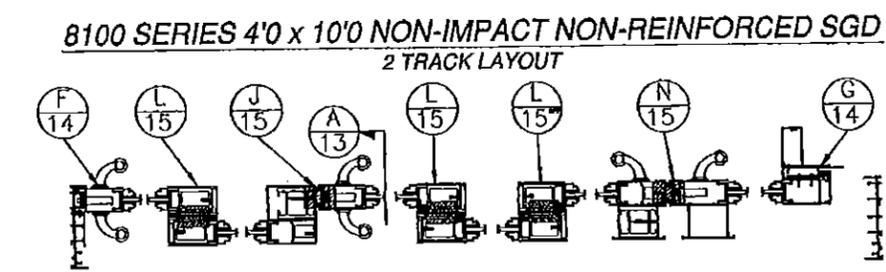
POCKET WALL UNDER SEPARATE APPROVAL TO BE REVIEWED BY AHJ.
 ROLLER ADJUSTMENT HOLE, TYPICAL



NON-REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	NONE

FOR WOOD INSTALLATION
 FOR ADDITIONAL SIZES SEE SHEET 7A

PANEL HEIGHT AND D.L.O. FORMULA
 PANEL HEIGHT = FRAME HEIGHT - 1 9/16"
 D.L.O. HEIGHT = PANEL HEIGHT - 9 25/32"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 9 1/4"

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

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

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. **15-0723.13**
 Expiration Date **06/23/2021**
 By *[Signature]*
 Miami-Dade Product Control

WinDoor INCORPORATED
 7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0905
 www.windoorinc.com

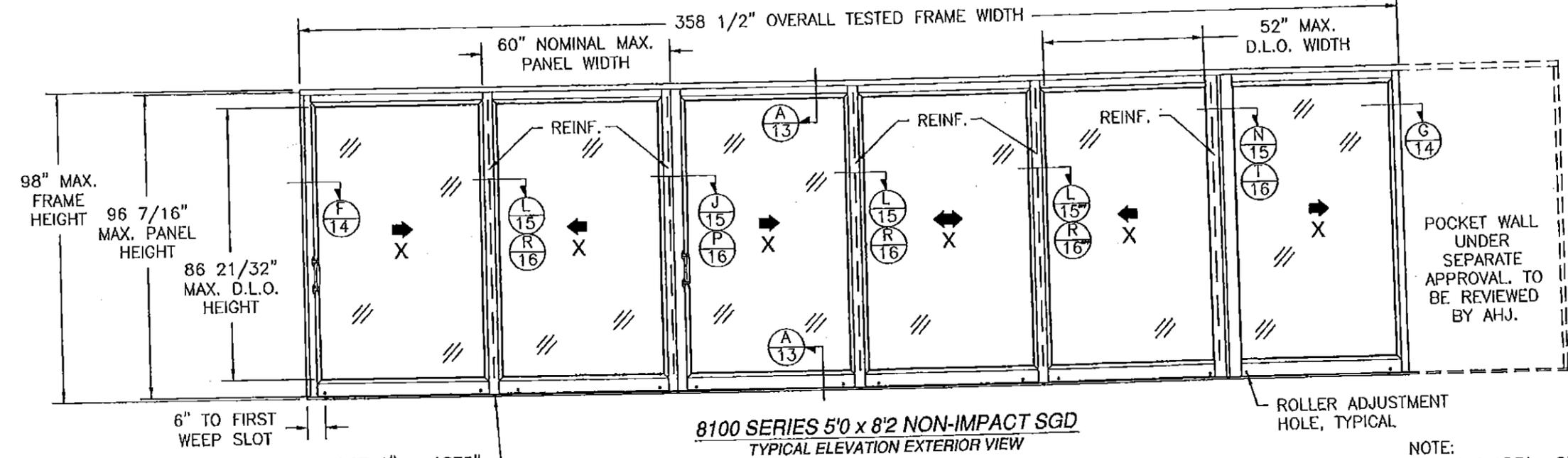
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 2TRACK ELEVATION

DRAWN: TJH
 DWG NO. 08-00943
 REV C

SCALE NTS
 DATE 02/04/10
 SHEET 1 OF 27

SIGNED: 03/15/2016

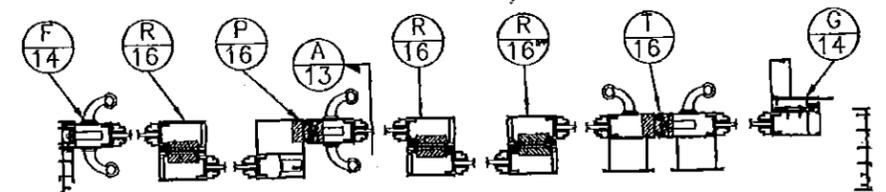
REVISIONS			
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B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



8100 SERIES 5'0 x 8'2 NON-IMPACT 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.

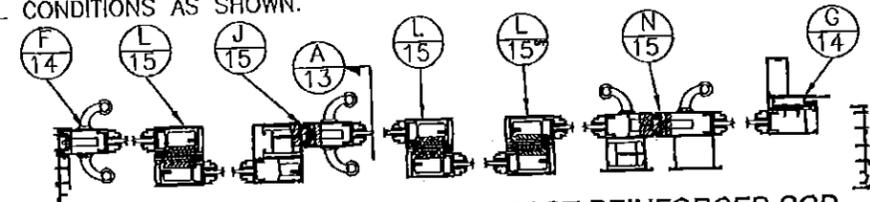
NOTE: MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.



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

NON-REINFORCED UNIT WITH SILL RISER #34	
DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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



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

REINFORCED UNIT WITH SILL RISER #36 AND #37	
DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37	
DESIGN PRESSURE RATING	IMPACT RATING
±61.4PSF	NONE

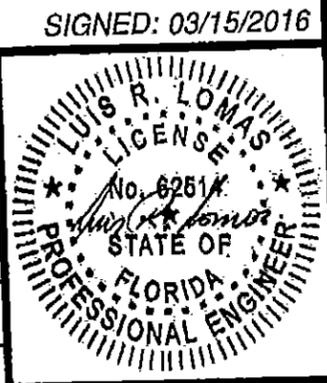
FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

PANEL HEIGHT AND D.L.O. FORMULA
 PANEL HEIGHT = FRAME HEIGHT - 1 9/16"
 D.L.O. HEIGHT = PANEL HEIGHT - 9 25/32"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 9 1/4"

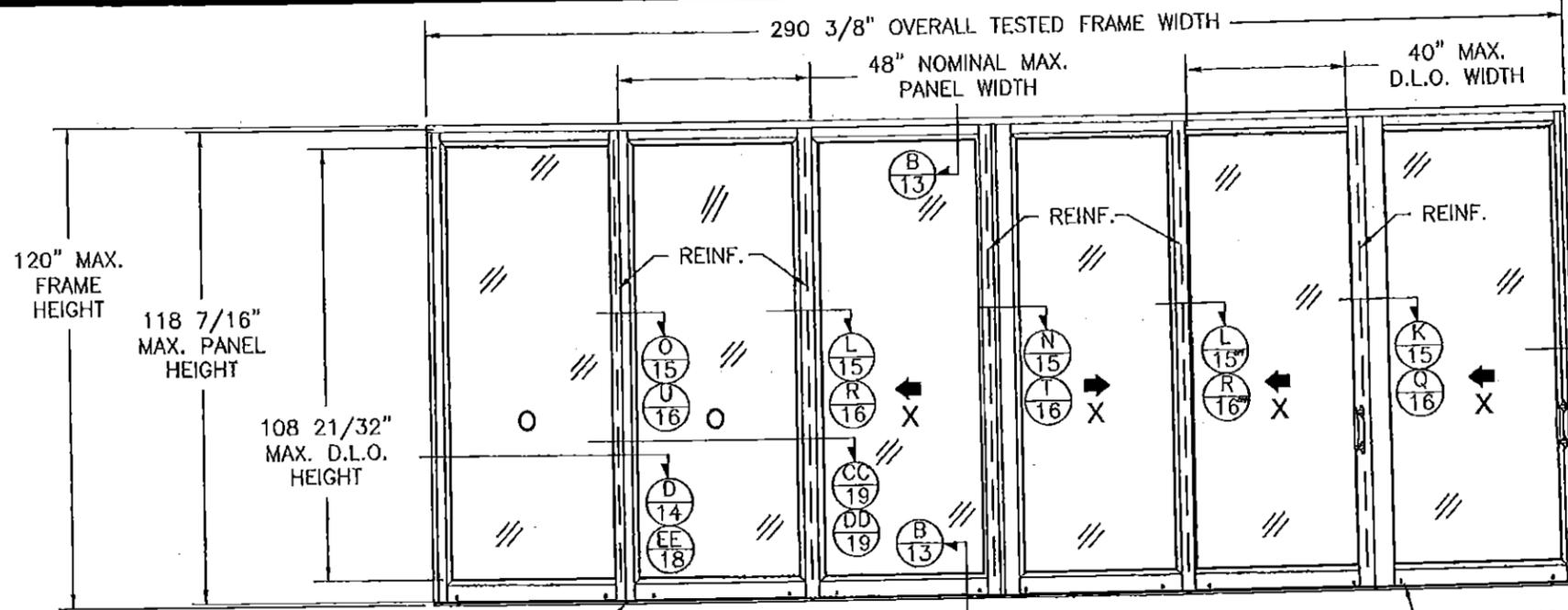
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as complying with the Florida Building Code
NOA-No. 15-0723.13
Expiration Date 06/23/2021
By *[Signature]*
Miami-Dade Product Control

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

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 5'0 x 8'2 PANELS 2TRACK ELEVATION	
DRAWN: TJH	DWG NO. 08-00943
SCALE NTS	DATE 02/04/10
	SHEET 2 OF 27



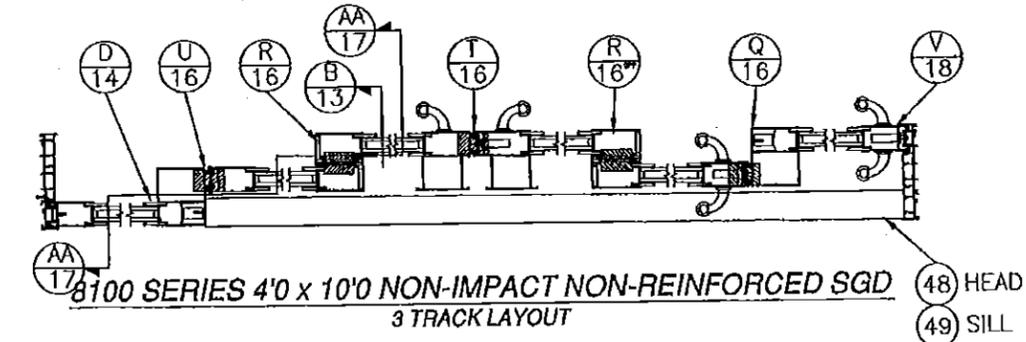
SIGNED: 03/15/2016



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C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

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

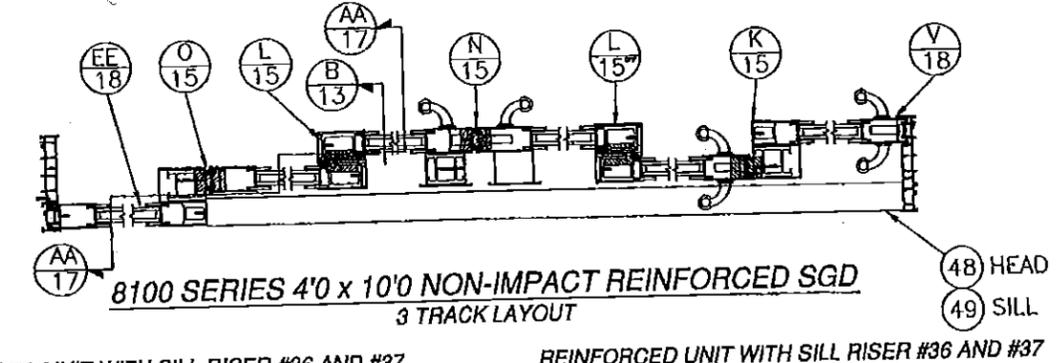
6" TO FIRST WEEP SLOT
WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES
8100 SERIES 4'0 x 10'0 NON-IMPACT SGD
TYPICAL ELEVATION EXTERIOR VIEW
(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.
ROLLER ADJUSTMENT HOLE, TYPICAL



NON- REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37

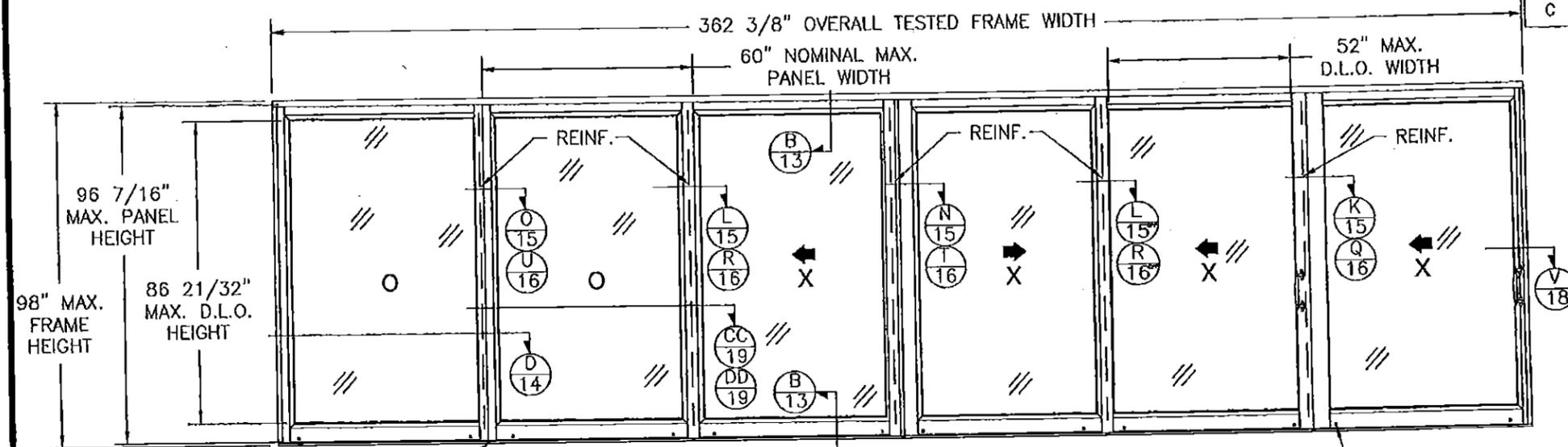
DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	NONE

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/15/2016

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 15-0723.13 Expiration Date 06/23/2021 By <i>[Signature]</i> 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 ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 3TRACK ELEVATION	
DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 3 OF 27

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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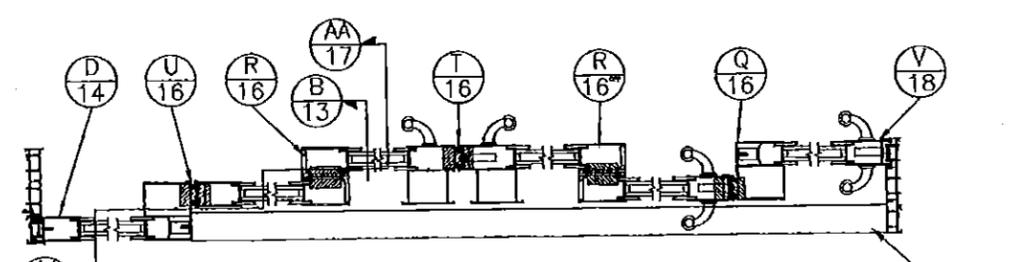


NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

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

8100 SERIES 5'0 x 8'2 NON-IMPACT SGD
TYPICAL ELEVATION EXTERIOR VIEW

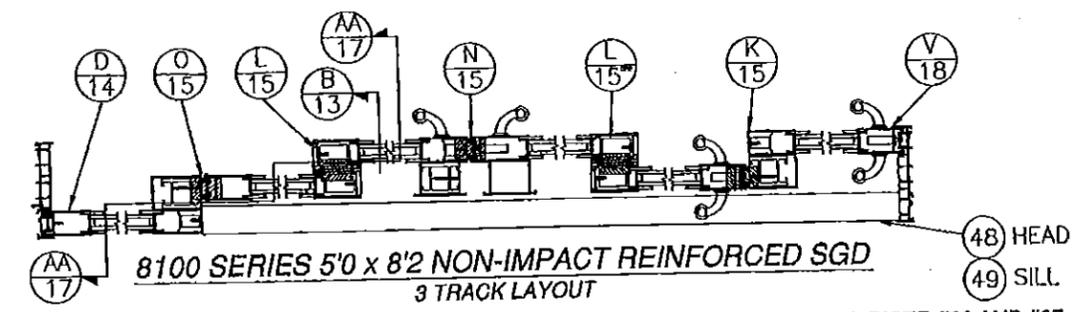
(6) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.



8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
3 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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



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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±61.4PSF	NONE

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/15/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

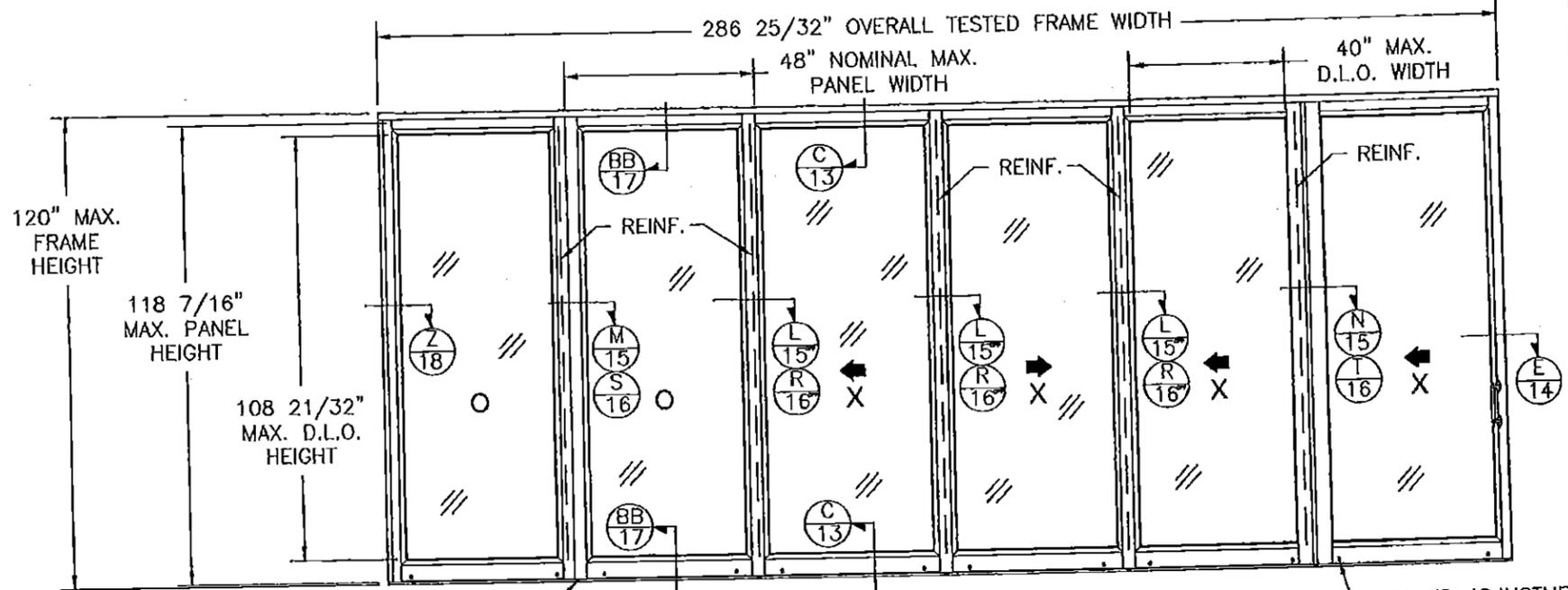
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
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www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 5'0 x 8'2 PANELS 3TRACK ELEVATION

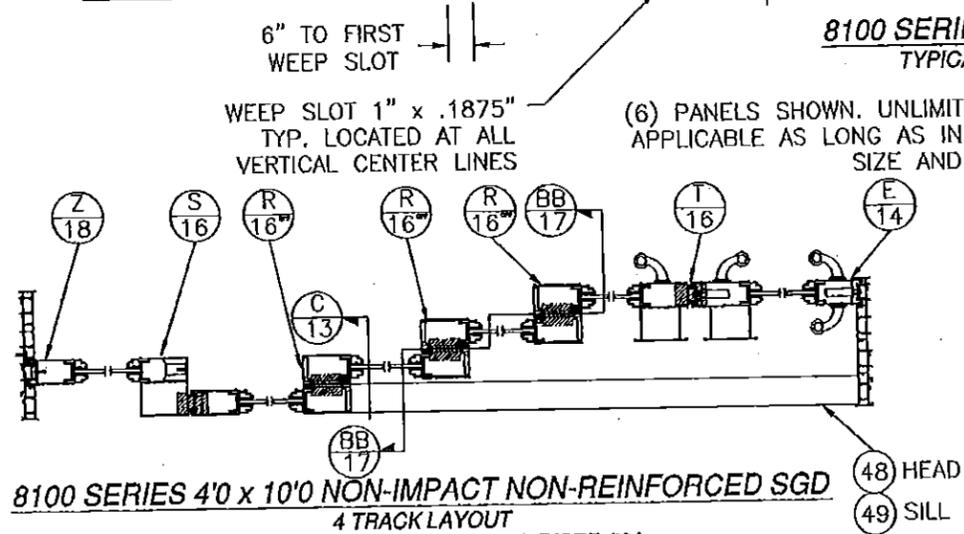
DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 4 OF 27



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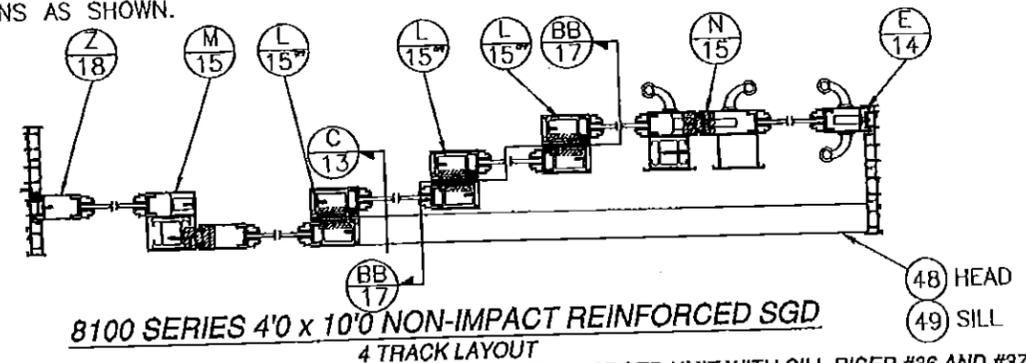
NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED
FRAME AREA OF 360sq. FEET.



8100 SERIES 4'0 x 10'0 NON-IMPACT NON-REINFORCED SGD
4 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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



8100 SERIES 4'0 x 10'0 NON-IMPACT REINFORCED SGD
4 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	NONE

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

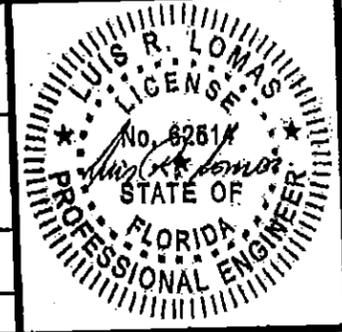
SIGNED: 03/15/2016

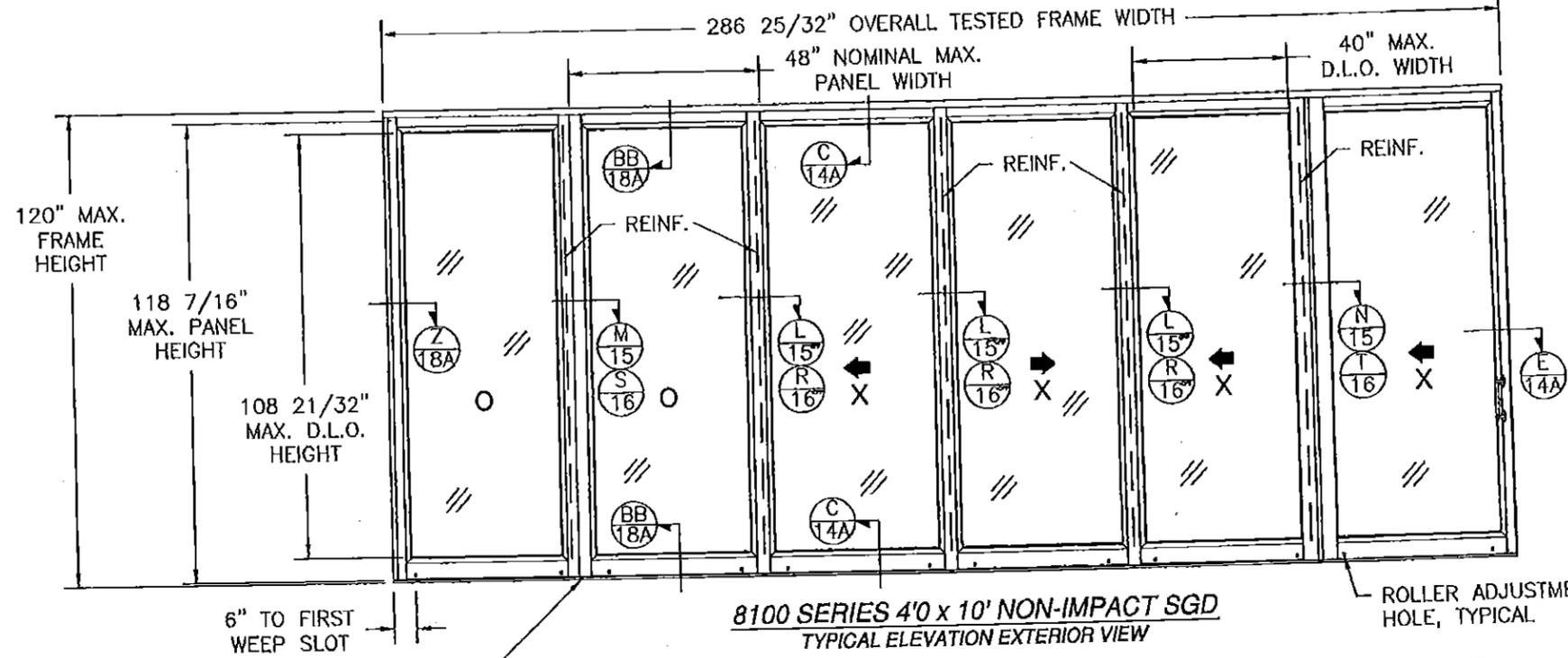
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

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ORLANDO, FL 32832
Phone: 407.481.8400
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www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
4'0 x 10'0 PANELS 4TRACK ELEVATION

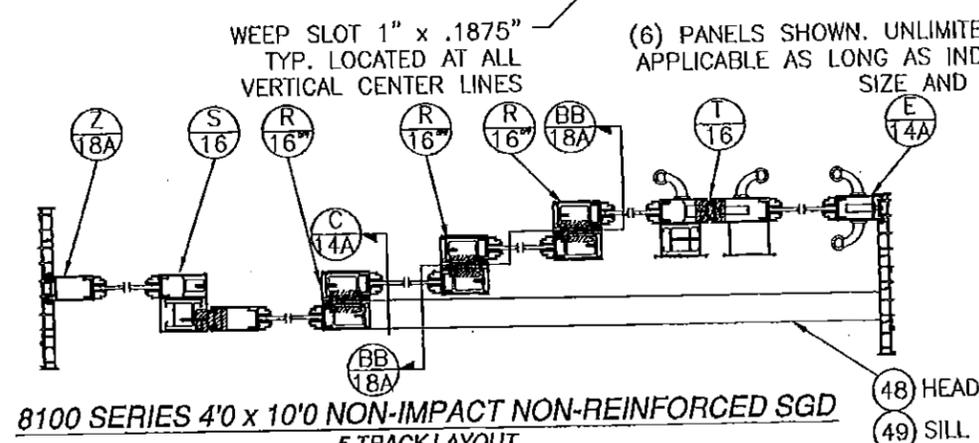
DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 5 OF 27





REVISIONS			
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B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.

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

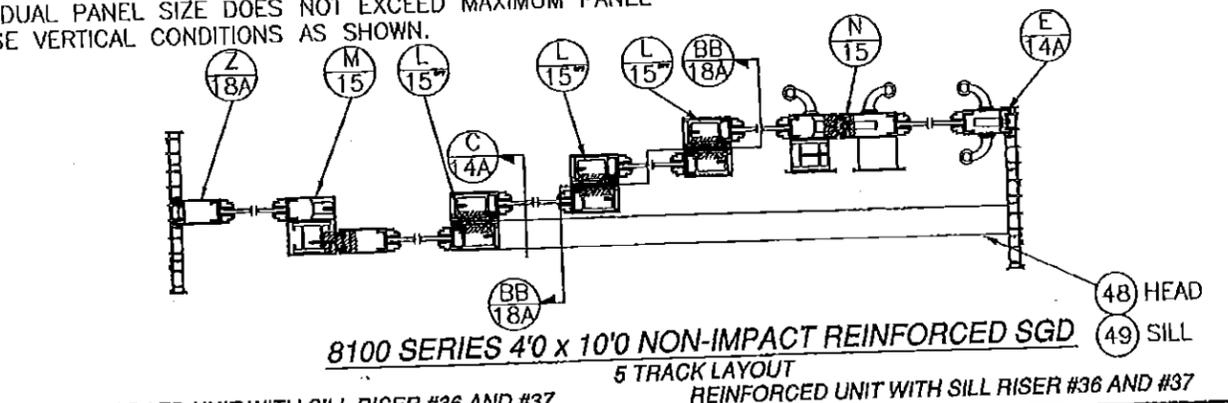


8100 SERIES 4'0 x 10'0 NON-IMPACT NON-REINFORCED SGD
5 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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

(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 NON-IMPACT REINFORCED SGD
5 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

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

DESIGN PRESSURE RATING	IMPACT RATING
±72.0PSF	NONE

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/15/2016

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

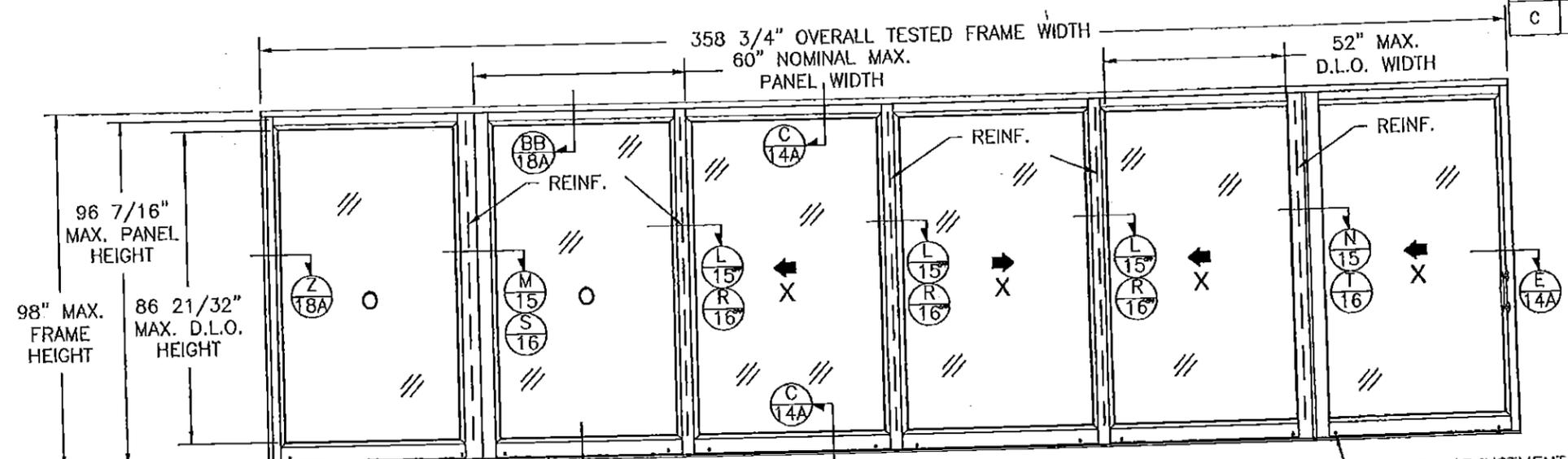
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 4TRACK ELEVATION

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 5A OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

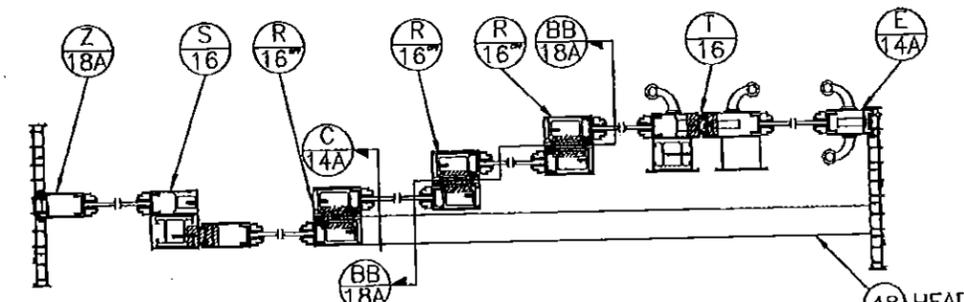


NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

96 7/16" MAX. PANEL HEIGHT
98" MAX. FRAME HEIGHT
86 21/32" MAX. D.L.O. HEIGHT
6" TO FIRST WEEP SLOT
WEEP SLOT 1" x .1875" TYP. LOCATED AT ALL VERTICAL CENTER LINES

8100 SERIES 5'0 x 8'2 NON-IMPACT 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.

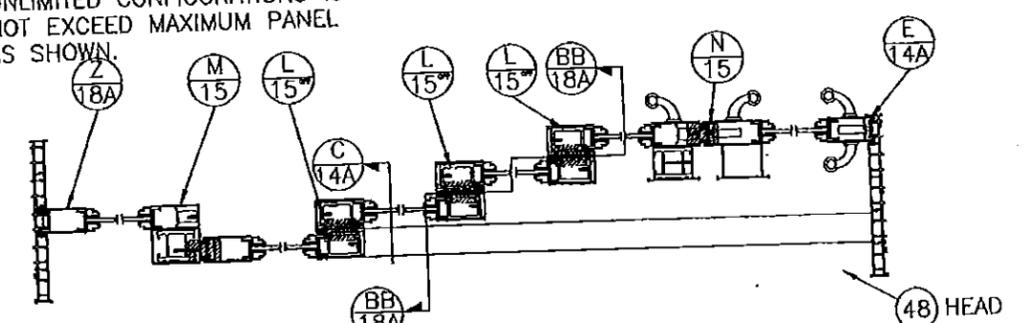


8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
5 TRACK LAYOUT

NON-REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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



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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±61.4PSF	NONE

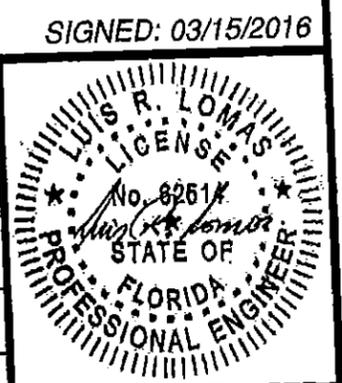
FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.13
Expiration Date 06/23/2021
By Miami-Dade Product Control

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

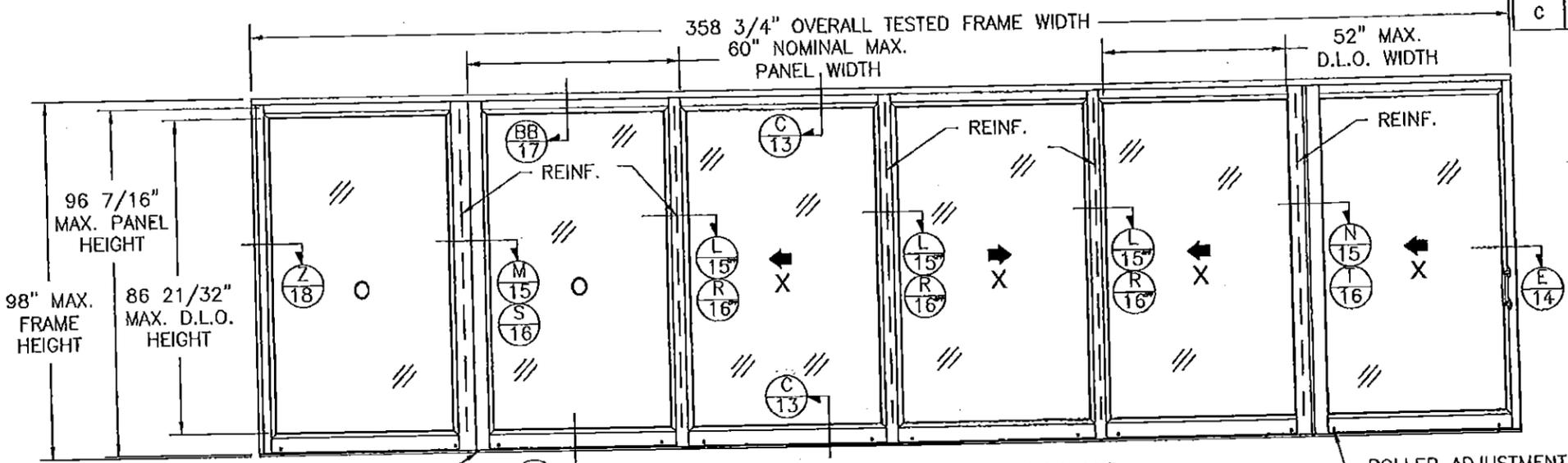
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 5'0 x 8'2 PANELS 4TRACK ELEVATION

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 6A OF 27



SIGNED: 03/15/2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



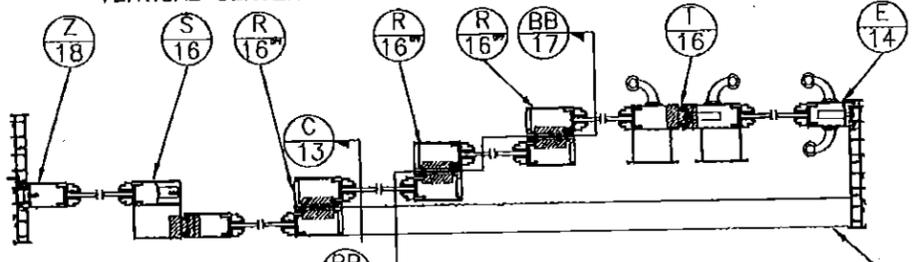
NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360sq. FEET.

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

8100 SERIES 5'0 x 8'2 NON-IMPACT 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.

ROLLER ADJUSTMENT HOLE, TYPICAL

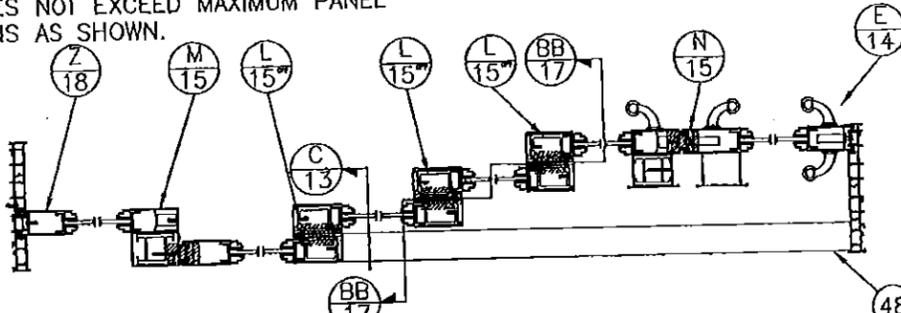


8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
4 TRACK LAYOUT

NON- REINFORCED UNIT WITH SILL RISER #34

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	NONE

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



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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100.0PSF	NONE

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

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±61.4PSF	NONE

FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 03/15/2016

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
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Miami-Dade Product Control

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INCORPORATED
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Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
5'0 x 8'2 PANELS 4TRACK ELEVATION

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 6 OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

REINFORCED UNITS DESIGN PRESSURE CHARTS MASONRY/CONCRETE AND METAL INSTALLATION

Maximum design pressure capacity chart (PSF)														
Series 8100 Aluminum Non-Impact Reinforced SGD with 3" sill riser, Item #35														
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	148.8	80.0	137.1	80.0	114.0	80.0	108.8
84.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	139.3	80.0	128.0	80.0	106.0	80.0	100.7
96.0	80.0	150.0	80.0	150.0	80.0	131.3	80.0	117.0	80.0	106.7	80.0	87.6	80.0	82.4
98.0	80.0	150.0	80.0	148.0	80.0	128.0	80.0	114.0	80.0	103.8	80.0	85.1	80.0	80.0
108.0	80.0	150.0	80.0	132.1	80.0	113.8	80.0	100.9	80.0	91.4	80.0	84.3	-	-
114.0	80.0	150.0	80.0	124.1	80.0	106.7	80.0	94.4	80.0	85.3	-	-	-	-
120.0	80.0	142.2	80.0	117.0	80.0	100.4	80.0	88.7	80.0	80.0	-	-	-	-

Maximum design pressure capacity chart (PSF)														
Series 8100 Aluminum Non-Impact Reinforced SGD with 3 1/2" sill riser, Item #36														
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	142.6	100.0	136.0
84.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	132.6	100.0	125.9
96.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	146.3	100.0	133.3	100.0	109.5	100.0	103.0
98.0	100.0	150.0	100.0	150.0	100.0	150.0	100.0	142.5	100.0	129.7	100.0	106.4	100.0	100.0
108.0	100.0	150.0	100.0	150.0	100.0	142.2	100.0	126.1	100.0	114.3	100.0	105.3	-	-
114.0	100.0	150.0	100.0	150.0	100.0	133.3	100.0	118.0	100.0	108.7	-	-	-	-
120.0	100.0	150.0	100.0	146.3	100.0	125.5	100.0	110.8	100.0	100.0	-	-	-	-

Maximum design pressure capacity chart (PSF)														
Series 8100 Aluminum Non-Impact Reinforced SGD with 4 1/4" sill riser, Item #37														
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	142.6	125.3	136.0
84.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	132.6	125.3	125.9
96.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	146.3	125.3	133.3	109.5	109.5	103.0	103.0
98.0	125.3	150.0	125.3	150.0	125.3	150.0	125.3	142.5	125.3	129.7	106.4	106.4	100.0	100.0
108.0	125.3	150.0	125.3	150.0	125.3	142.2	125.3	126.1	114.3	114.3	105.3	105.3	-	-
114.0	125.3	150.0	125.3	150.0	125.3	133.3	118.0	118.0	106.7	106.7	-	-	-	-
120.0	125.3	150.0	125.3	146.3	125.3	125.5	110.8	110.8	100.0	100.0	-	-	-	-

PANEL HEIGHT AND D.L.O. FORMULA
 PANEL HEIGHT = FRAME HEIGHT - 1 9/16"
 D.L.O. HEIGHT = PANEL HEIGHT - 9 25/32"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 9 1/4"

NON-REINFORCED UNITS DESIGN PRESSURE CHARTS WOOD, MASONRY/CONCRETE AND METAL INSTALLATION

Maximum design pressure capacity chart (PSF)															
Series 8100 Aluminum Non-Impact Non-Reinforced SGD with 1 3/4" sill riser, Item #33															
For units installed in Wood, 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	75.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	64.2	45.0	61.2	
84.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	72.0	45.0	59.6	45.0	56.7	
96.0	45.0	75.0	45.0	75.0	45.0	73.8	45.0	65.8	45.0	60.0	45.0	49.3	45.0	46.4	
98.0	45.0	75.0	45.0	75.0	45.0	72.0	45.0	64.1	45.0	58.4	45.0	47.9	45.0	45.0	
108.0	45.0	75.0	45.0	74.3	45.0	64.0	45.0	56.7	45.0	51.4	45.0	47.4	-	-	
114.0	45.0	75.0	45.0	69.8	45.0	60.0	45.0	53.1	45.0	46.0	-	-	-	-	
120.0	45.0	75.0	45.0	65.8	45.0	56.5	45.0	49.9	45.0	45.0	-	-	-	-	

Maximum design pressure capacity chart (PSF)															
Series 8100 Aluminum Non-Impact Non-Reinforced SGD with 2 1/4" sill riser, Item #34															
For units installed in Wood, 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	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	71.3	60.0	68.0	
84.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	66.3	60.0	63.0	
96.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	73.1	60.0	66.7	54.8	54.8	51.5	51.5	
98.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	71.2	60.0	64.9	53.2	53.2	50.0	50.0	
108.0	60.0	75.0	60.0	75.0	60.0	71.1	60.0	63.1	57.1	57.1	52.7	52.7	-	-	
114.0	60.0	75.0	60.0	75.0	60.0	66.7	59.0	59.0	53.3	53.3	-	-	-	-	
120.0	60.0	75.0	60.0	73.1	60.0	62.7	55.4	55.4	50.0	50.0	-	-	-	-	

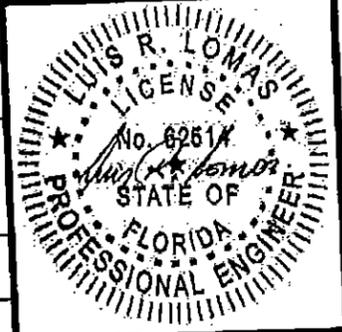
PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. 15-0723.13
 Expiration Date 06/23/2021
 By *[Signature]*
 Miami-Dade Product Control

WinDoor
 INCORPORATED
 7500 AMSTERDAM DRIVE
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 Phone: 407.481.2400
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8100 SERIES ALUMINUM SGD NON-IMPACT
 REINFORCED & NON-REINFORCED
 DESIGN PRESSURE CHARTS

DRAWN: TJH
 DWG NO. 08-00943
 SCALE NTS
 DATE 02/04/10
 SHEET 7 OF 27
 REV C

SIGNED: 03/15/2016



REINFORCED UNITS DESIGN PRESSURE CHARTS WOOD INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

Maximum design pressure capacity chart (PSF)														
Series 8100 Aluminum Non-Impact Reinforced SGD with 3" sill riser, Item #35														
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	106.0	80.0	92.2
96.0	80.0	109.7	80.0	91.0	80.0	118.2	80.0	105.3	80.0	96.0	80.0	87.6	80.0	82.4
98.0	80.0	107.2	80.0	88.8	80.0	115.2	80.0	102.6	80.0	93.4	80.0	85.1	80.0	80.0
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 Non-Impact Reinforced SGD with 3 1/2" sill riser, Item #36														
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 Non-Impact Reinforced SGD with 4 1/4" sill riser, Item #37														
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 = FRAME HEIGHT - 1 9/16"
 D.L.O. HEIGHT = PANEL HEIGHT - 9 25/32"
 D.L.O. WIDTH = NOMINAL PANEL WIDTH - 9 1/4"

SIGNED: 03/15/2016

PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. **15-0723.13**

Expiration Date **06/23/2021**

By 
 Miami-Dade Product Control

WinDoor
 INCORPORATED

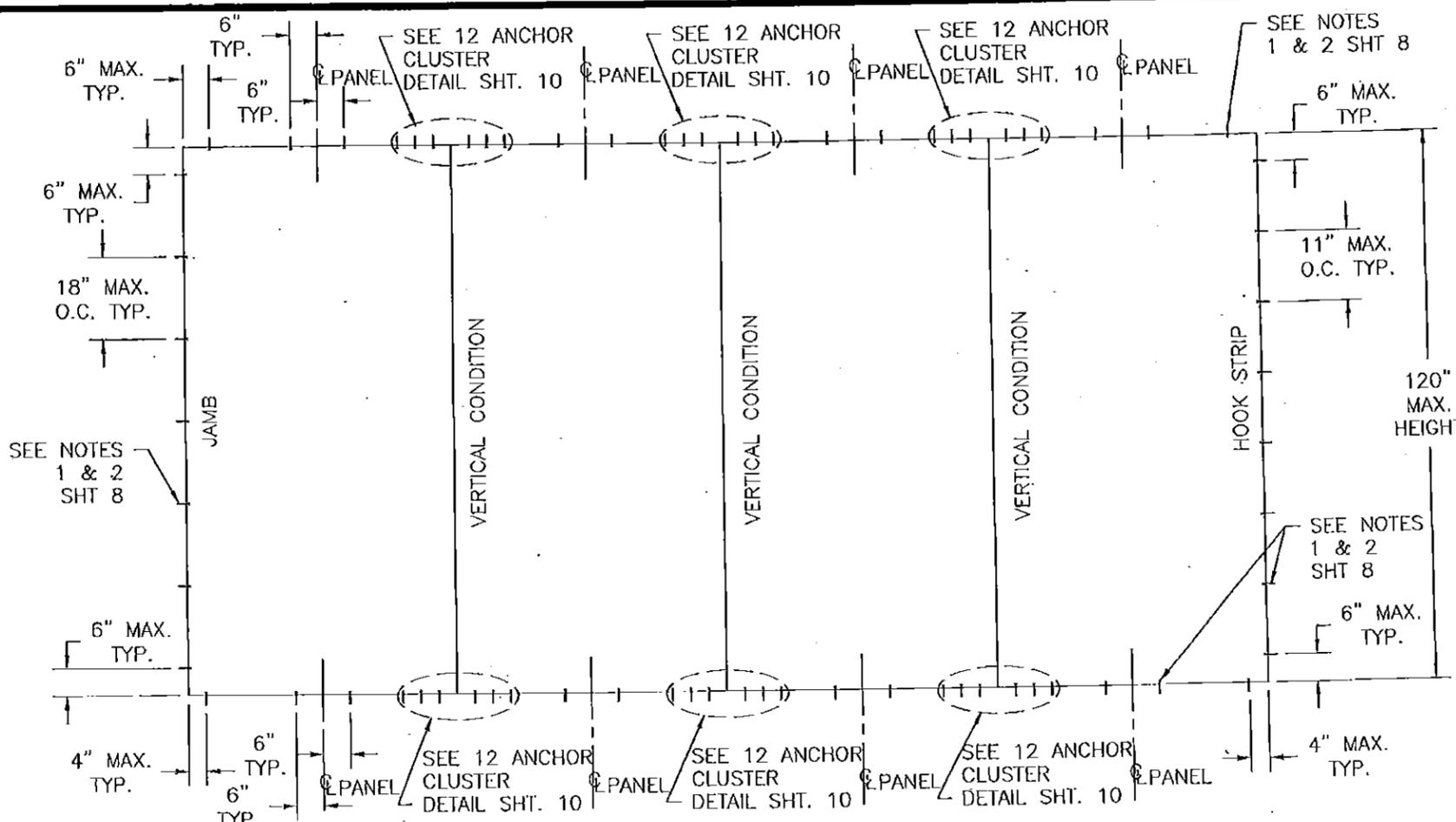
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8100 SERIES ALUMINUM SGD NON-IMPACT
 REINFORCED & NON-REINFORCED
 DESIGN PRESSURE CHARTS

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 7A OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



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

- ANCHORING NOTES:**
- ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 TRACK AND 5 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
 - ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK 4 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
 - 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.
 - 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.
 - 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".
 - ALL FASTENERS TO BE CORROSION RESISTANT.
 - 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:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2,700 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 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	-	-

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **15-0723.13**
 Expiration Date **06/23/2021**
 By *[Signature]*
 Miami-Dade Product Control

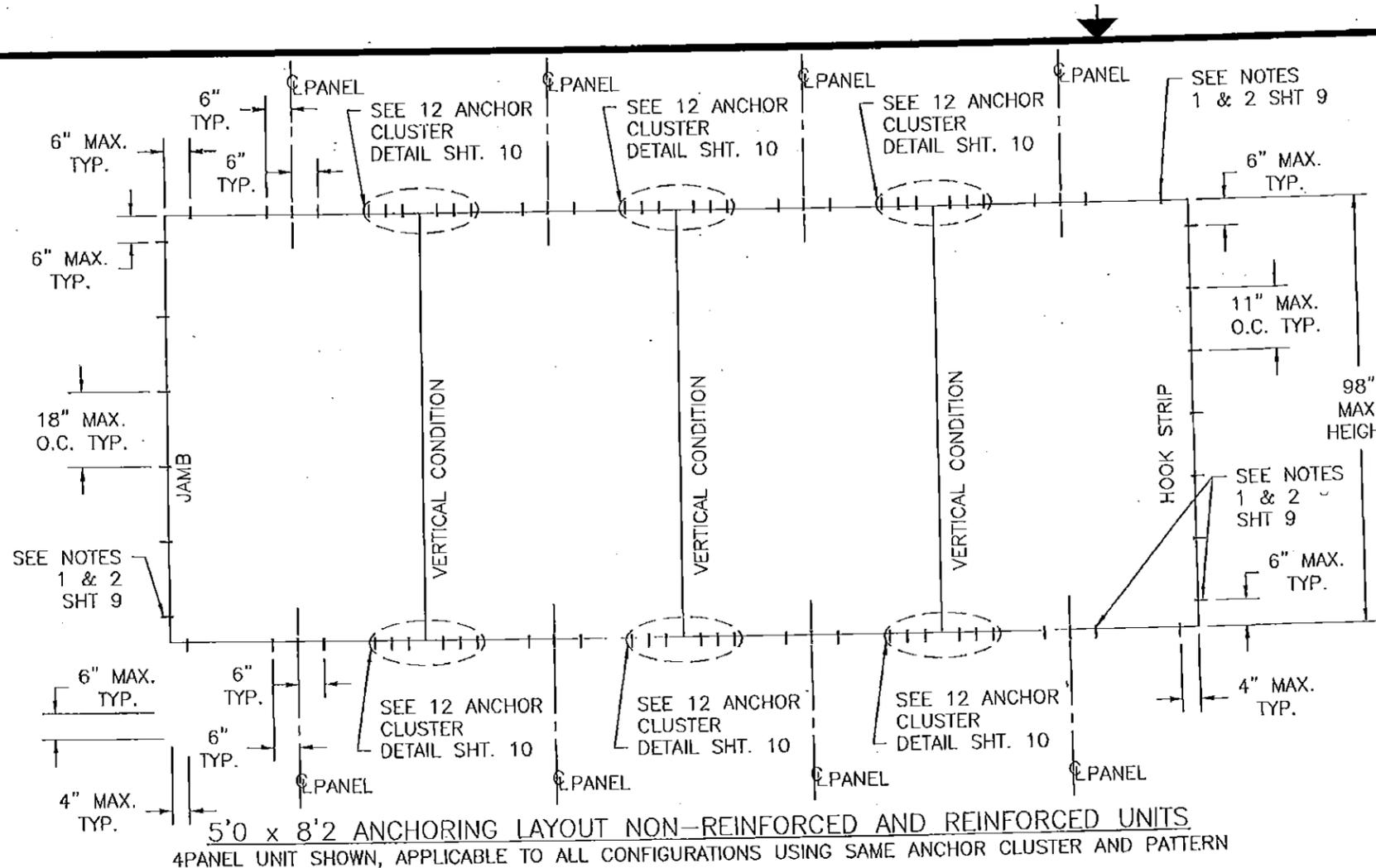
WinDoor INCORPORATED
 7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0505
 www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED
 4'0 x 10'0 ANCHORING AND NOTES

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 8 OF 27

SIGNED: 03/15/2016





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.

- ANCHORING NOTES:**
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 - ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK 4 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
 - 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.
 - 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.
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 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2,700 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 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	2	6	6	3	6	6	3	6	6	3	6	6
84.0	6	1	4	6	1	4	6	2	6	2	6	6	3	6	6	3	6	6	3	6	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	-	-

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **15-0723.13**
 Expiration Date **06/23/2021**
 By *[Signature]*
 Miami-Dade Product Control

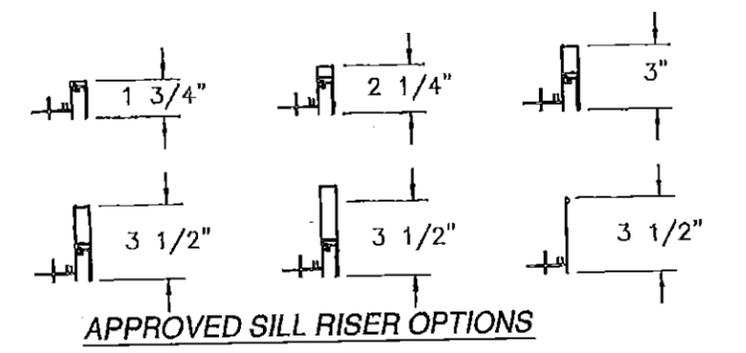
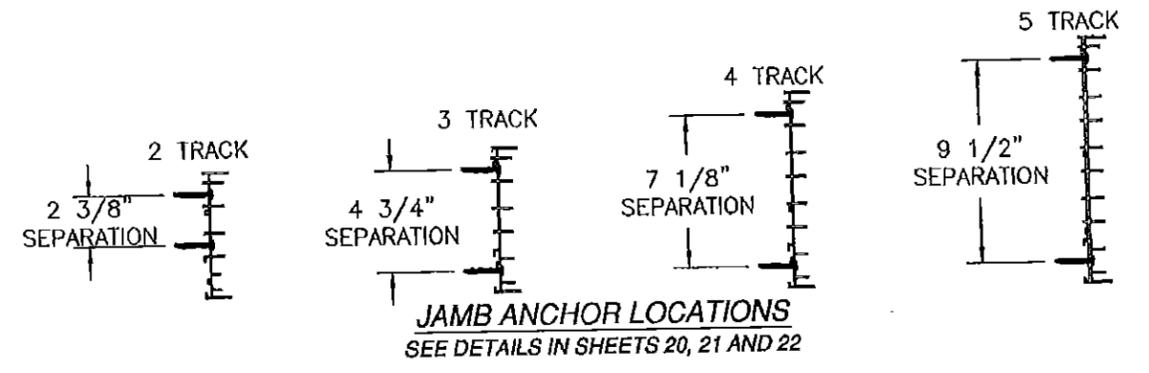
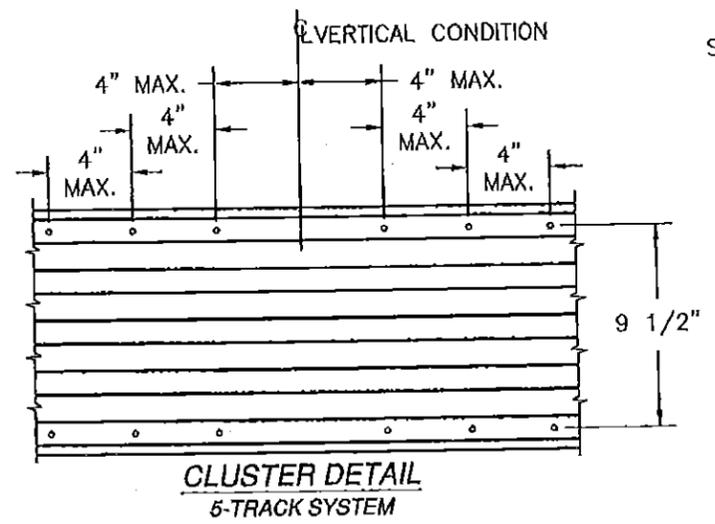
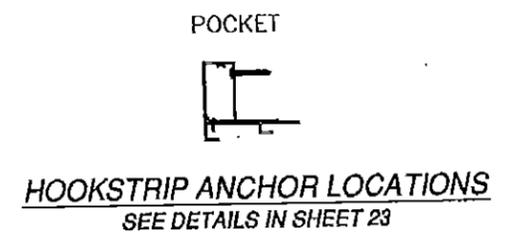
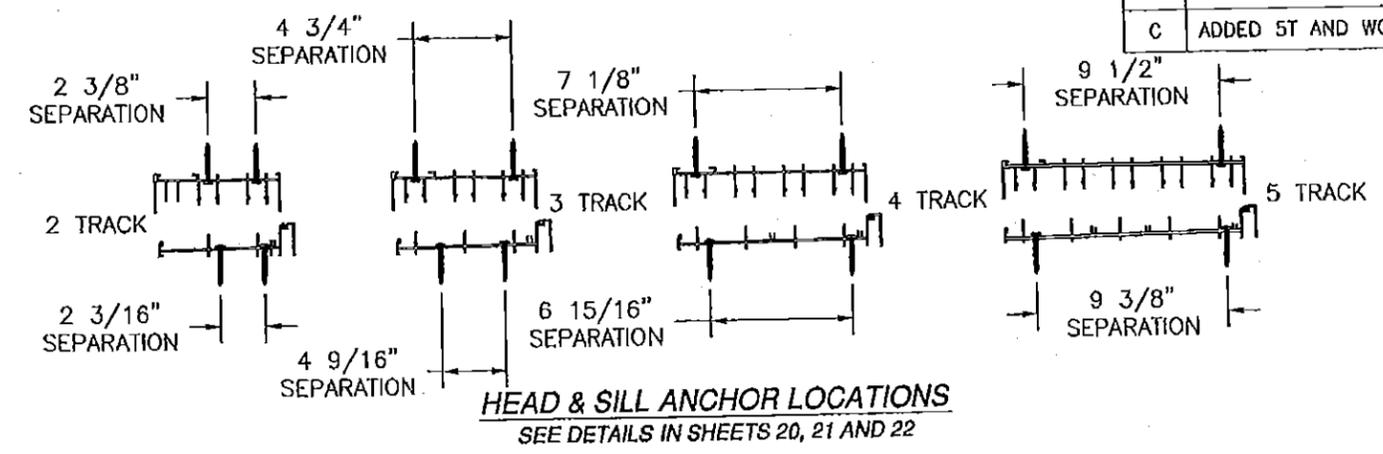
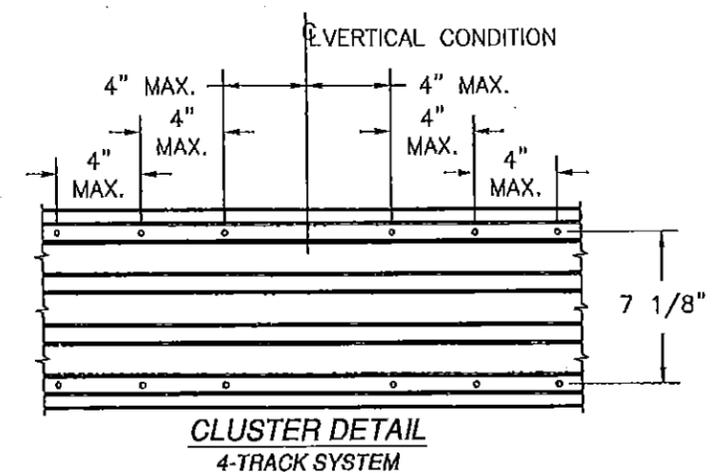
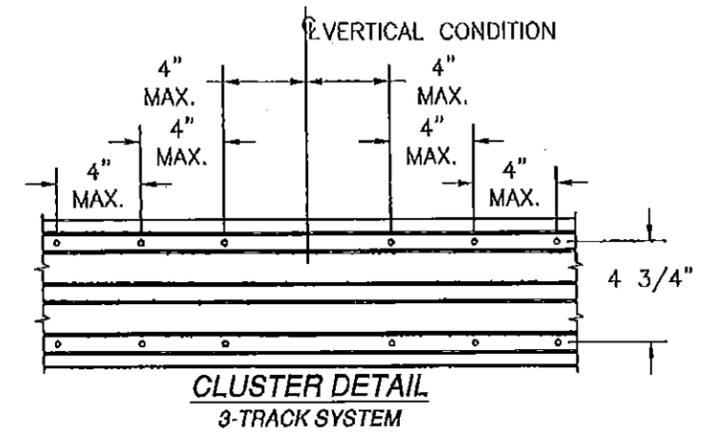
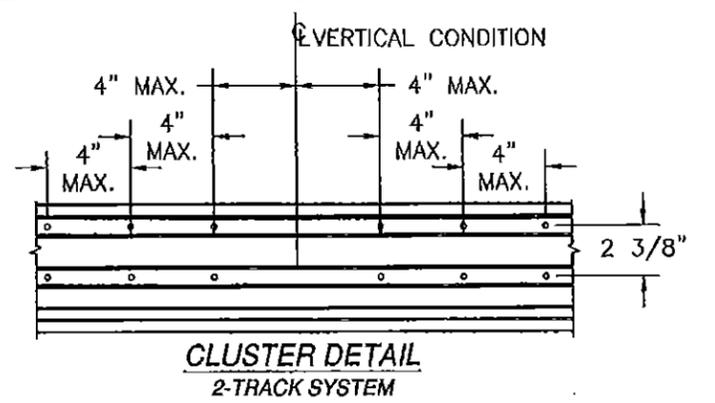
WinDoor 7500 AMSTERDAM DRIVE
 INCORPORATED ORLANDO, FL 32832
 Phone: 407.481.8400 www.windoorinc.com
 Fax: 407.481.0505

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 5'0 x 8'2 ANCHORING AND NOTES

DRAWN: TJH DWG NO. 08-00943 REV C
 SCALE NTS DATE 02/04/10 SHEET 9 OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



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.

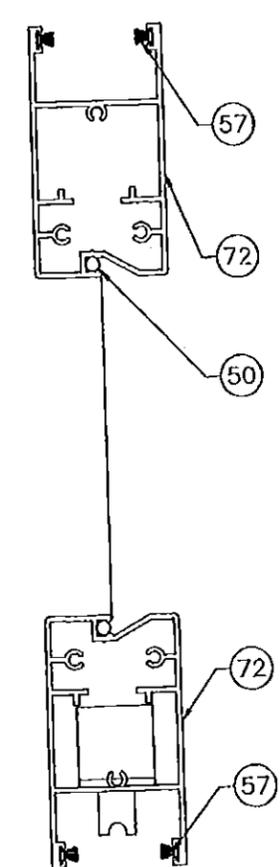
FRAME CONSTRUCTION:
EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO JAMBS WITH #7 TYPE A SS SCREW, ITEM #48, (2) AT EACH CORNER ON 2 TRACK, (2) AT 3 TRACK FRAME, (3) AT EACH CORNER ON 4 TRACK FRAME AND (3) AT EACH CORNER ON 5 TRACK FRAME.

SIGNED: 03/15/2016

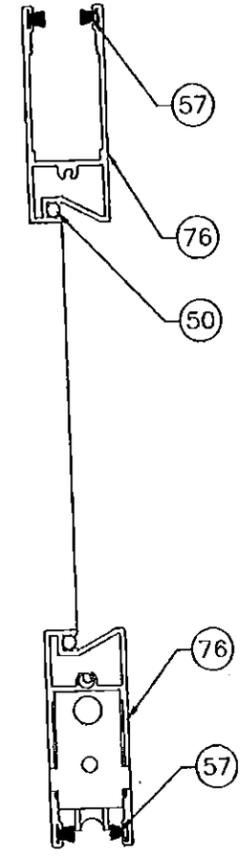
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 15-0723.13 Expiration Date 06/23/2021 By <i>[Signature]</i> Miami-Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED ANCHORING DETAILS AND NOTES	
DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 10 OF 27

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-01889	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-01876	1/4" HORIZONTAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6
42	FH-01875	1/4" VERTICAL GLASS STOP	KEYMARK	ALUMINUM 6063-T6

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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**MT SCREEN
VERTICAL CROSS
SECTION**
TO BE USED WITH 2 TRACK,
2 TRACK RETRO, 3 TRACK
AND 4 TRACK FRAME SYSTEMS



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

PARTS LIST CONTINUED
ON SHEET 12

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

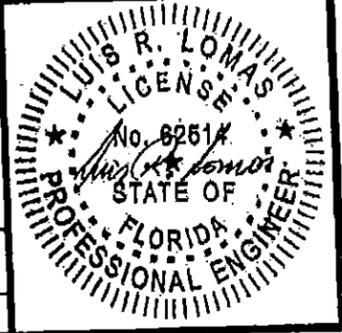
WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
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www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
BILL OF MATERIALS AND SCREEN CROSS SECTIONS

DRAWN: TJH
DWG NO. 08-00943
SCALE NTS DATE 02/04/10 SHEET 11 OF 27

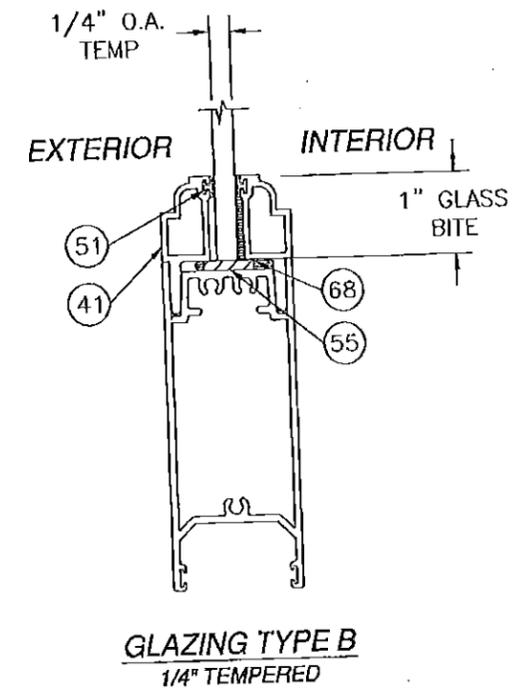
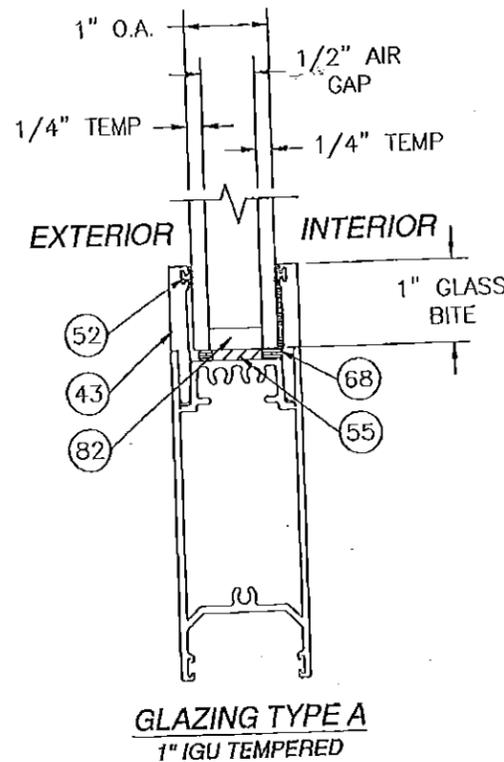
SIGNED: 03/15/2016



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 6061-T6
46	FH-05045	INTERLOCK REINFORCING BAR	KEYMARK	ALUMINUM 6005-T6
47	FH-03916	FEMALE BUTT STILE REINFORCING BAR	KEYMARK	ALUMINUM 6005-T6
48	FS-02210	FRAME HEAD COVER	KEYMARK	ALUMINUM 6063-T6
49	FS-02208	SILL COVER	KEYMARK	ALUMINUM 6063-T6
50		SCREEN SPLINE		
51	TP875	1/4" 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	KEYMARK	ALUMINUM 6063-T6
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		NON-IMPACT GLAZING SEE SHEET 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	SIGNATURE 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			
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Miami-Dade Product Control

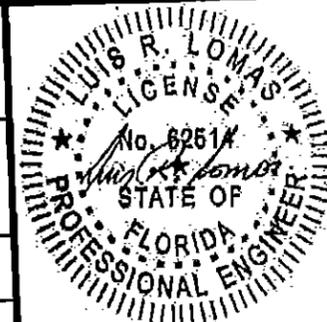
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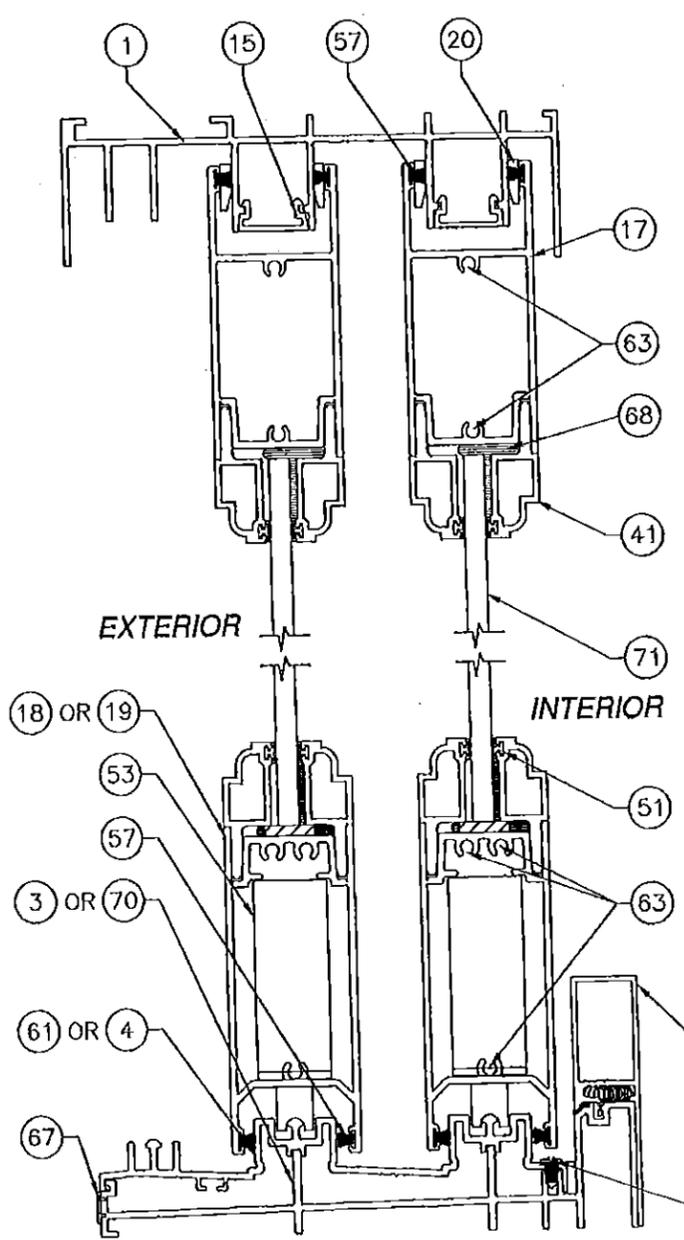
8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
BILL OF MATERIALS AND GLAZING DETAILS

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 12 OF 27

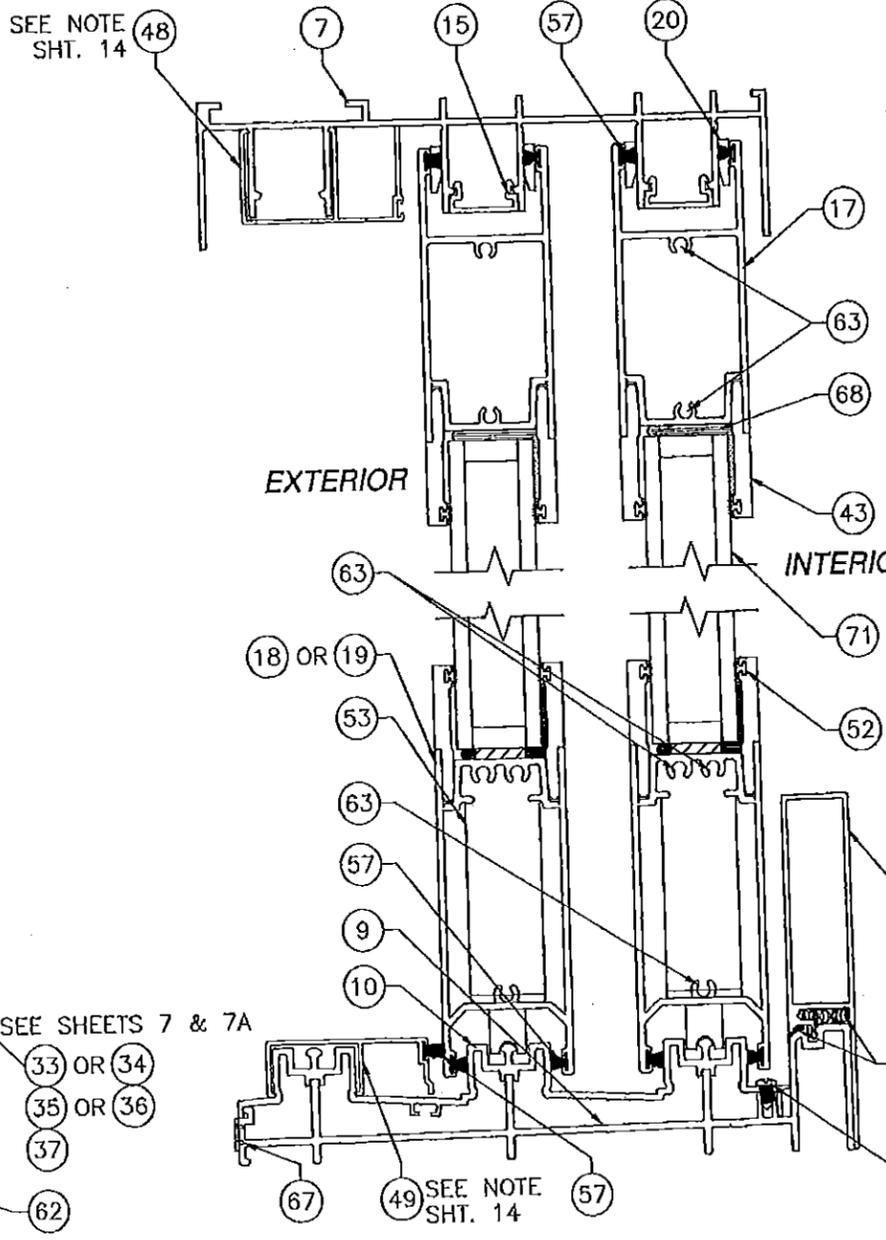
SIGNED: 03/15/2016



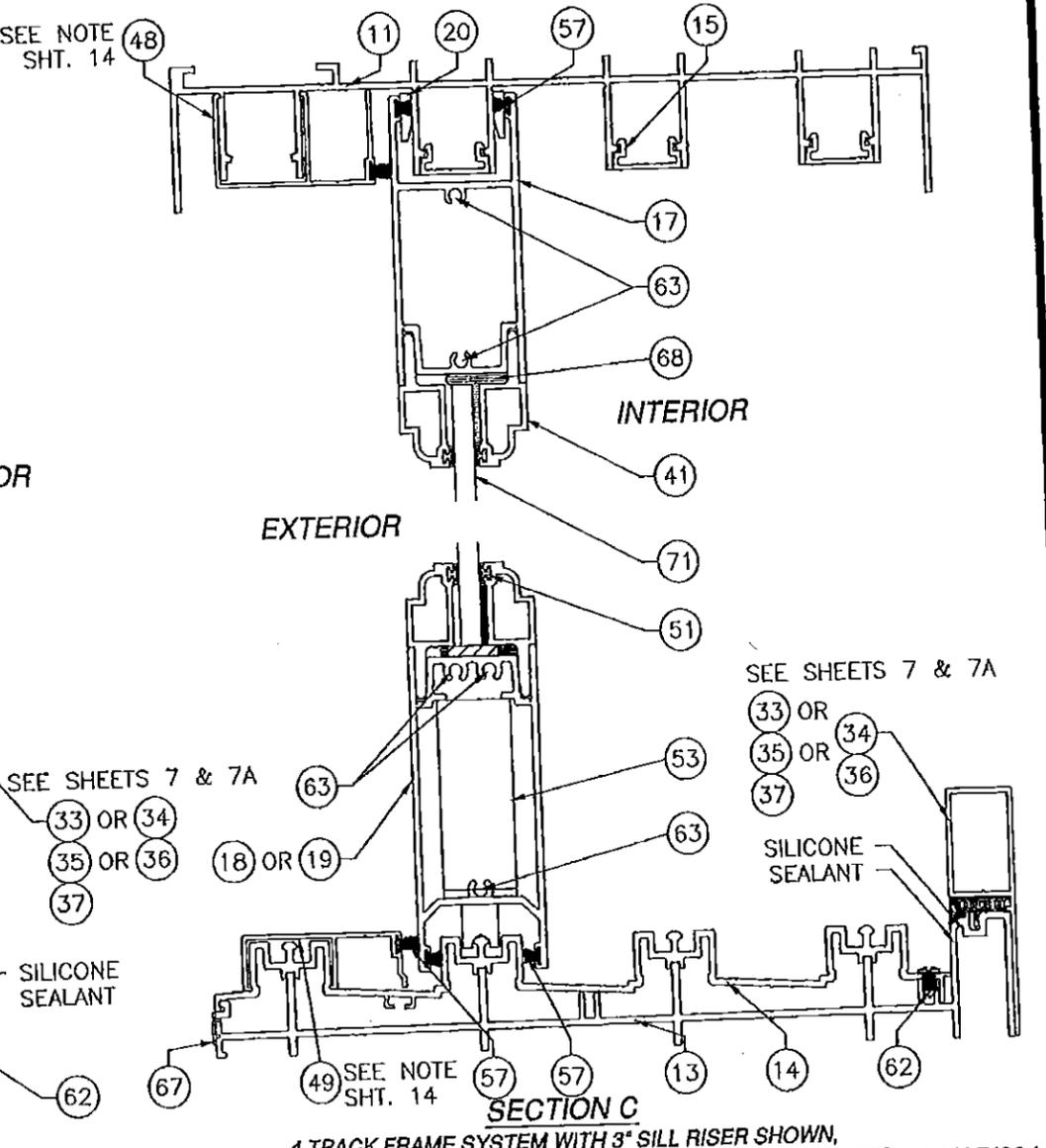
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



SECTION A
2 TRACK WS FRAME SYSTEM WITH 3" SILL RISER SHOWN, 2 TRACK NS, 2 TRACK WS RETRO AND 2 TRACK NS RETRO SILLS AND ALL SILL RISERS MAY BE USED



SECTION B
3 TRACK FRAME SYSTEM WITH 4 1/4" SILL RISER SHOWN, ALL SILL RISERS MAY BE USED



SECTION C
4 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN, ALL SILL RISERS MAY BE USED

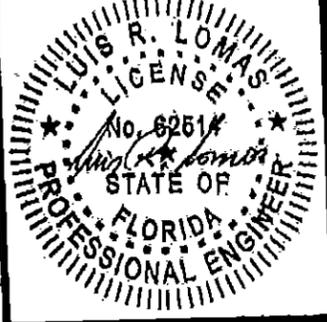
NOTE:
SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD, SILL AND JAMB TRACK SYSTEM. OTHER HEAD, SILL AND JAMB TRACK SYSTEMS ARE SIMILAR.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

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

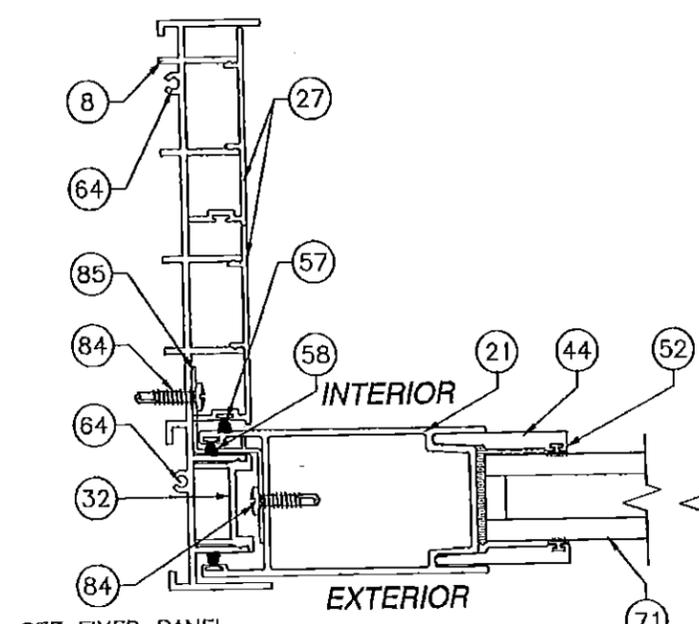
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED VERTICAL CROSS SECTIONS

DRAWN: TJH
SCALE NTS
DWG NO. 08-00943
DATE 02/04/10
REV C
SHEET 13 OF 27

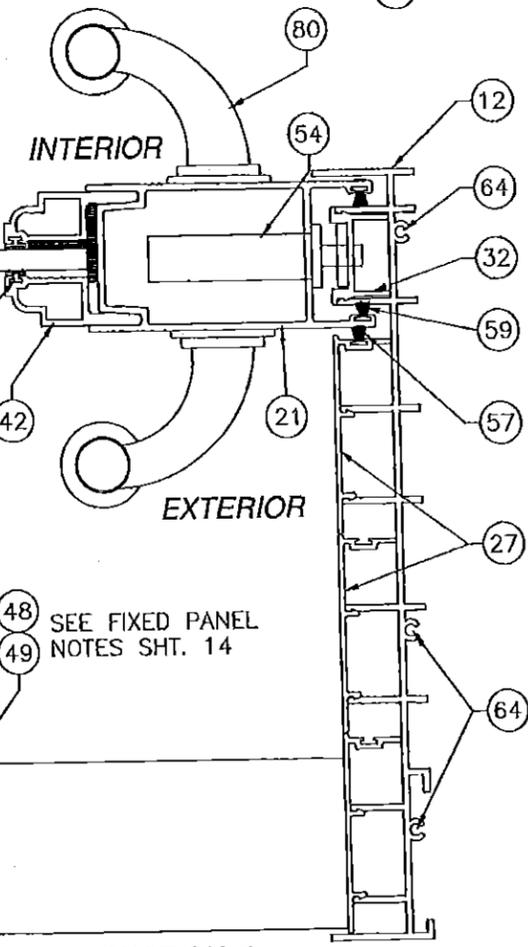
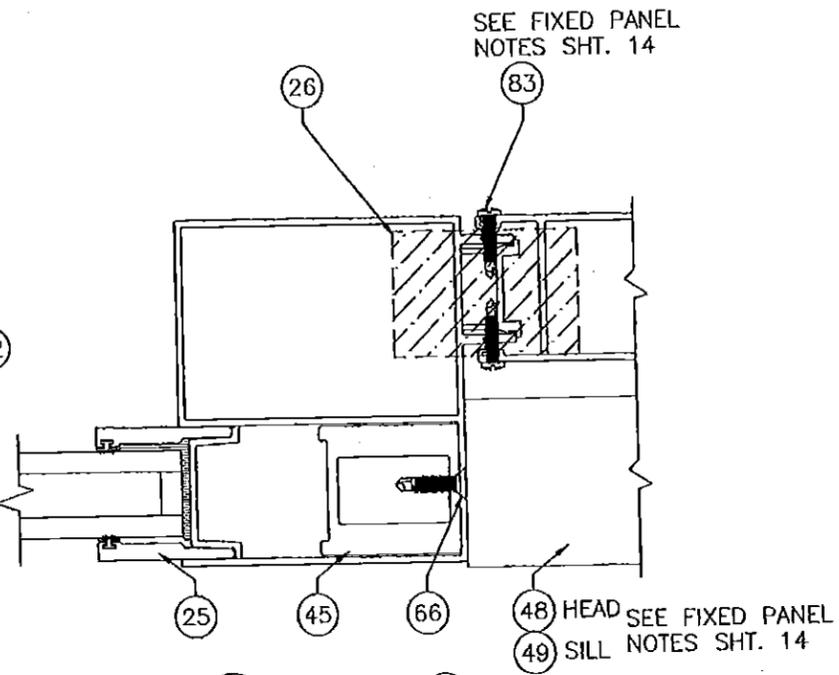


SIGNED: 03/15/2016

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C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.

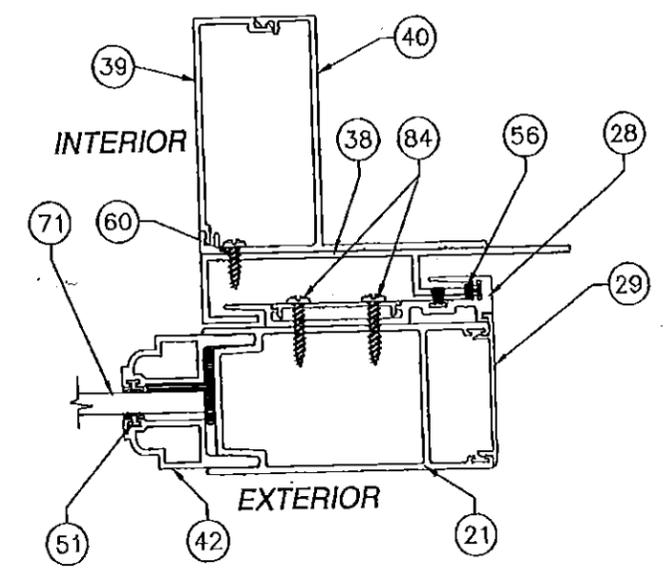


SEE FIXED PANEL NOTES SHT. 14
SECTION D
 PLAIN STILE AT 3 TRACK JAMB



SECTION F
 LOCK STILE AT 2 TRACK JAMB

SECTION E
 LOCK STILE AT 4 TRACK JAMB



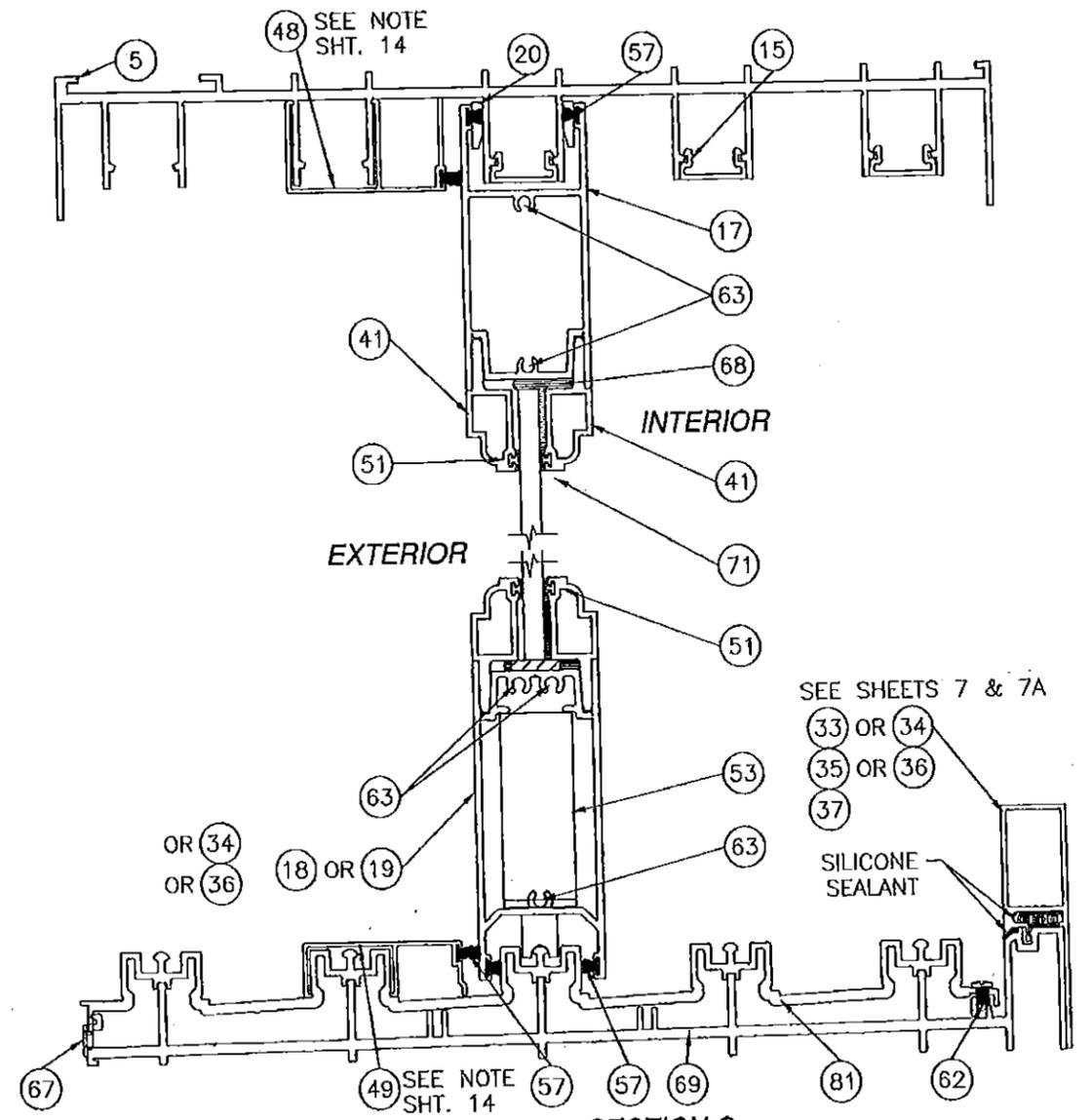
SECTION G
 REINFORCED/NON REINFORCED INTERLOCK STILE AT EXTERIOR HOOK STRIP

FIXED PANEL NOTES:
 1. FIXED PANEL TO JAMB CONDITION:
 FIXED PANEL IS SEURED TO THE JAMB WITH (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.

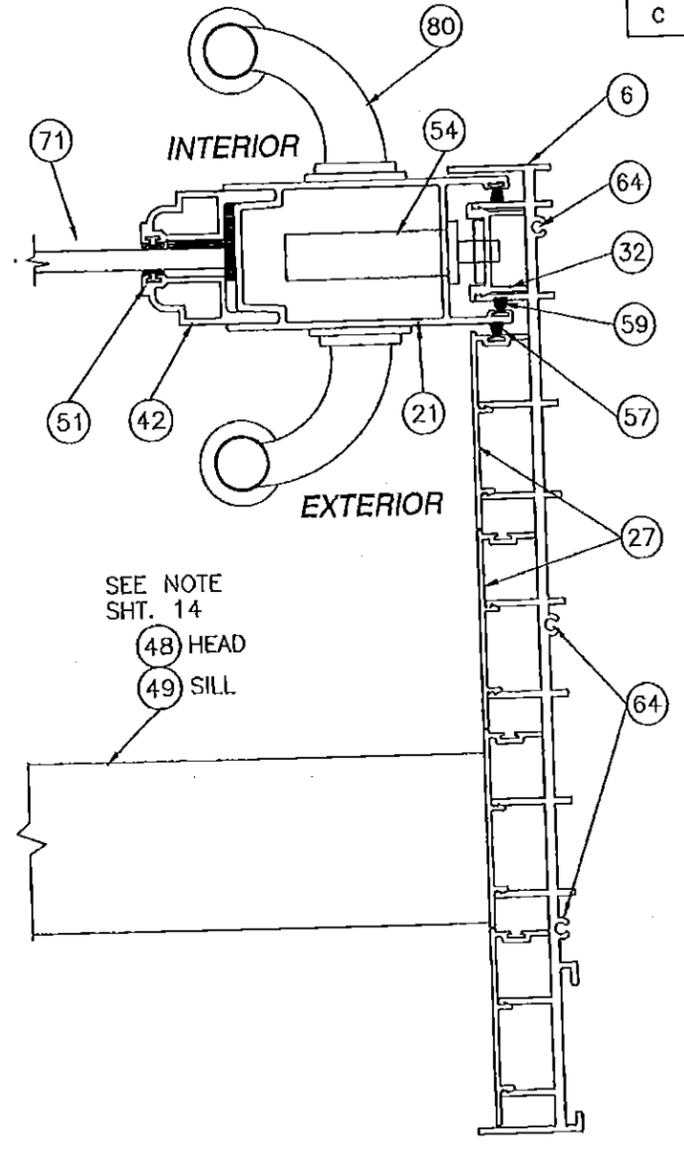
NOTE:
 SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD, SILL AND JAMB TRACK SYSTEM. OTHER HEAD, SILL AND JAMB TRACK SYSTEMS ARE SIMILAR.
 SIGNED: 03/15/2016

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	8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED HORIZONTAL CROSS SECTIONS	
DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 14 OF 27

REVISIONS			
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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 SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS
INDICATED ON EACH HEAD AND TRACK SYSTEM.

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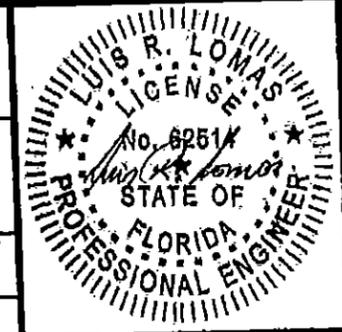
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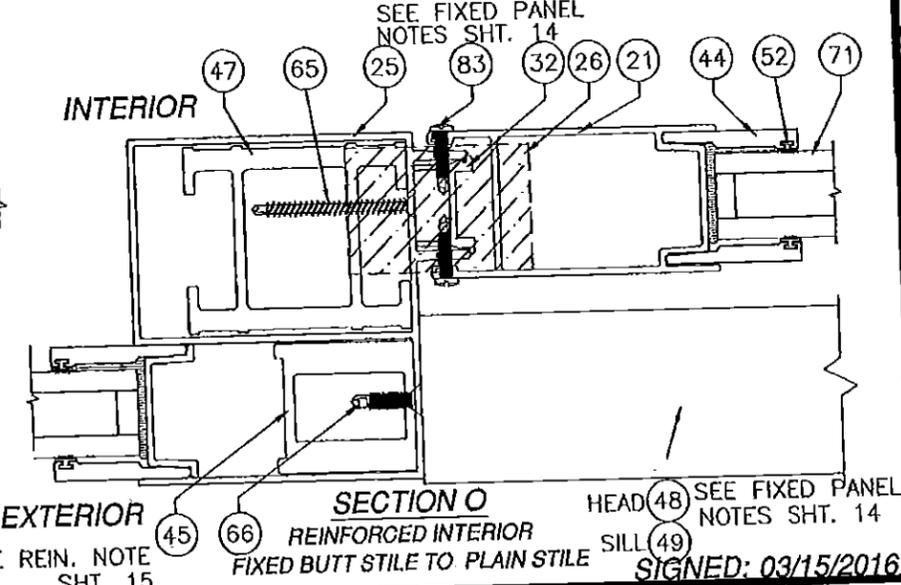
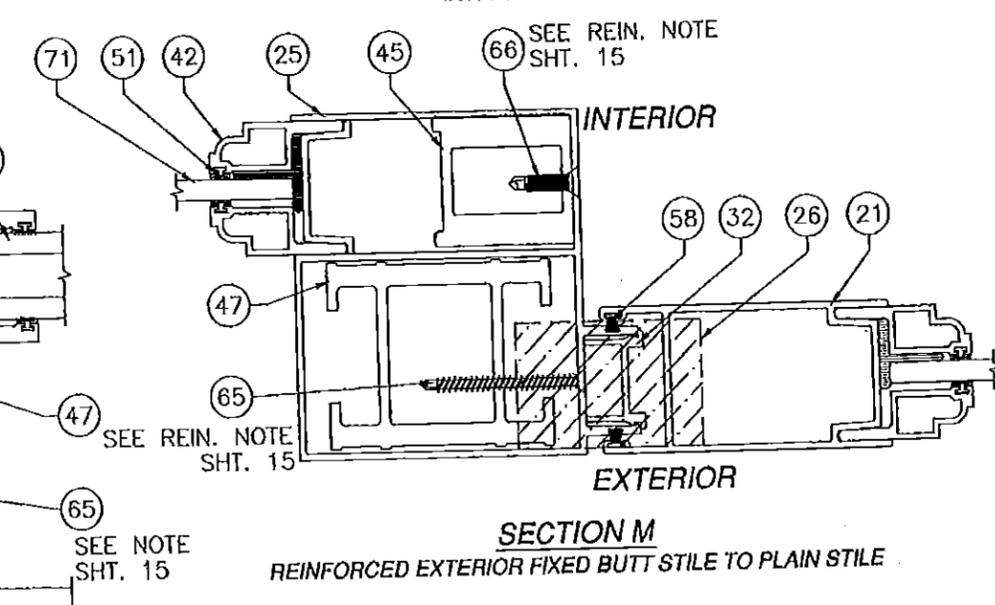
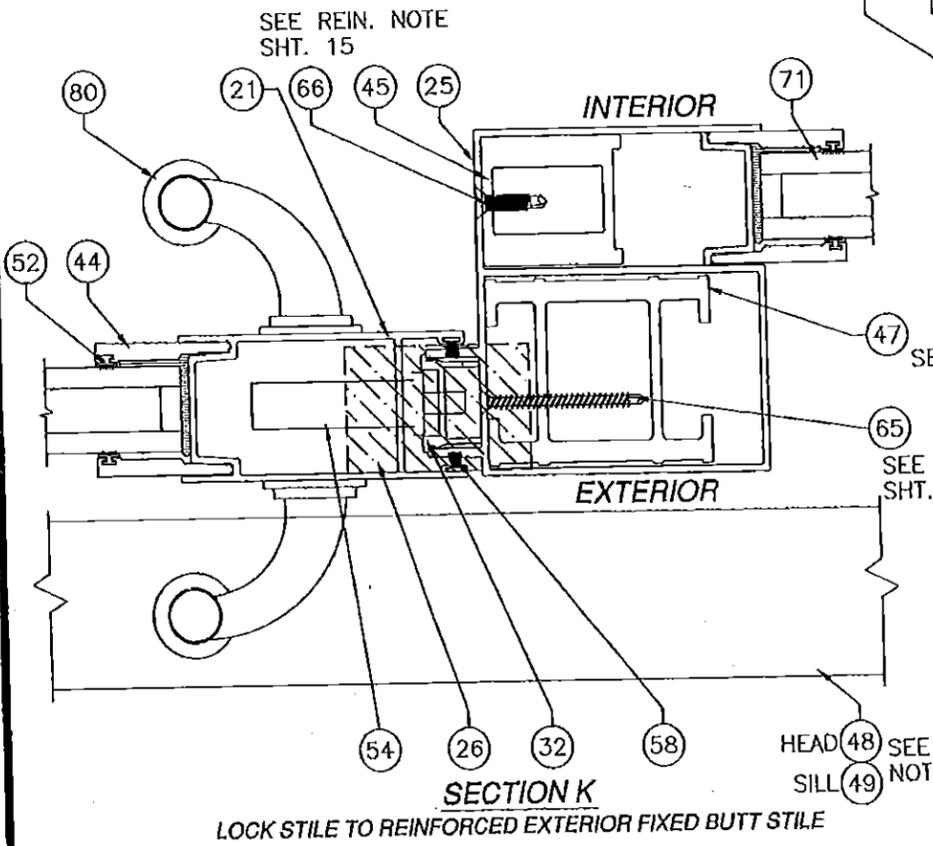
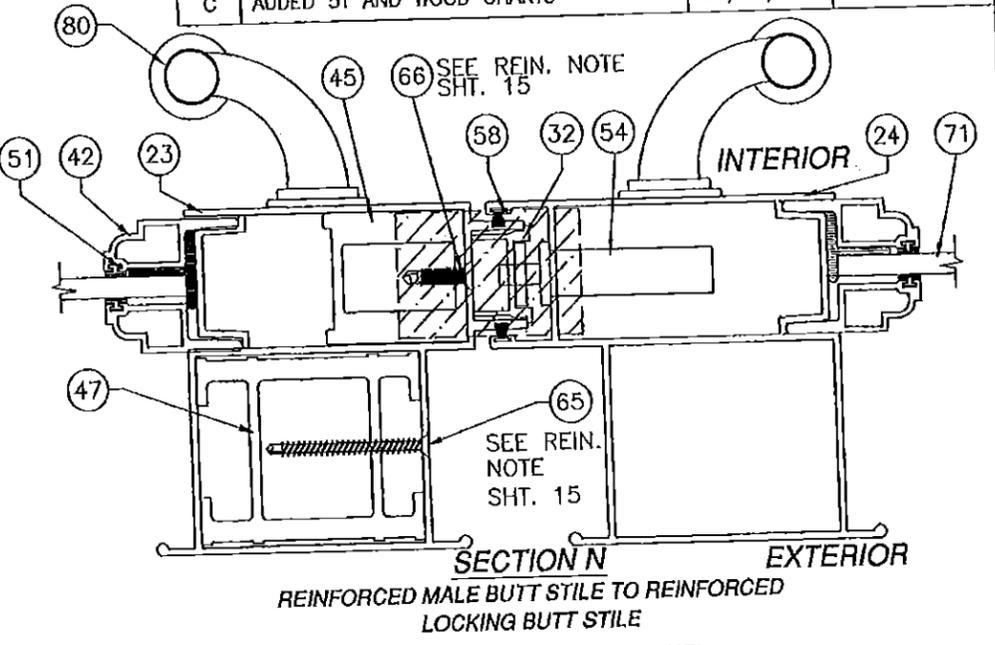
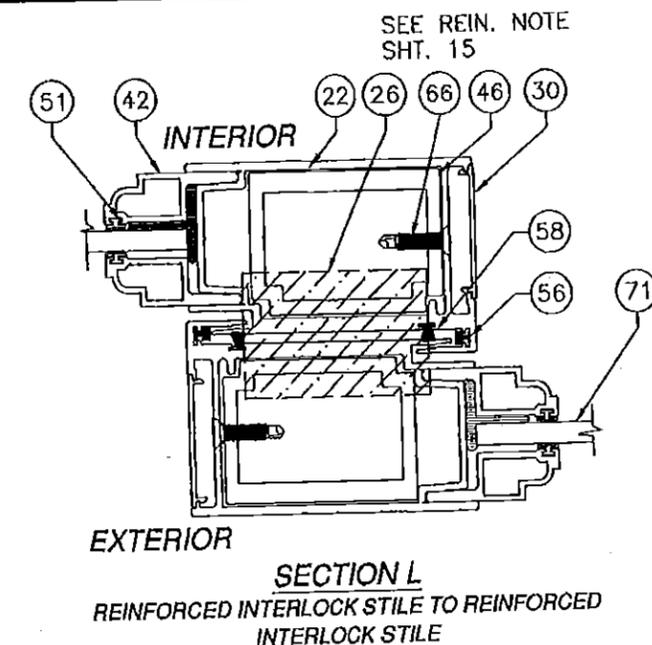
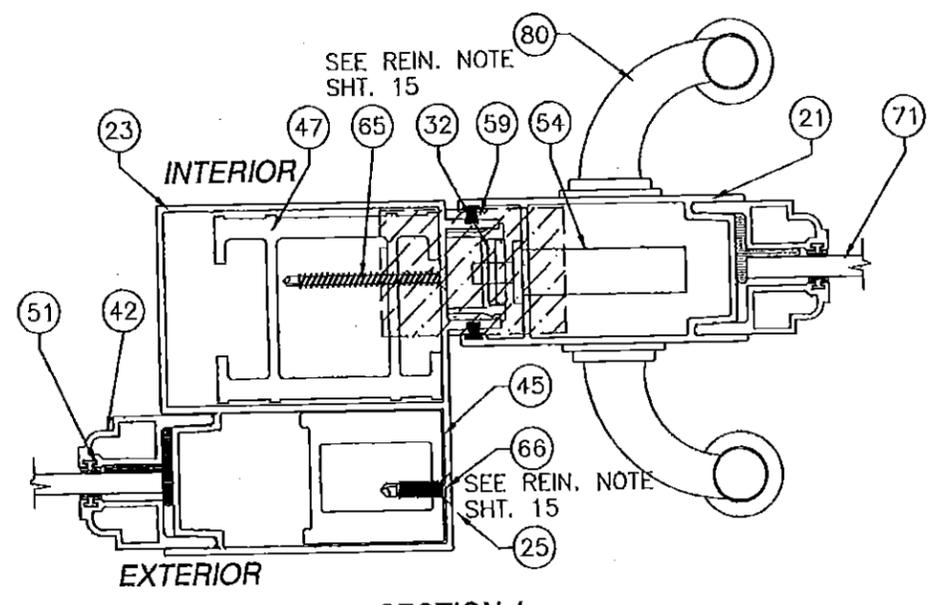
8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
HORIZONTAL AND VERTICAL CROSS SECTIONS 5T

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 14A OF 27

SIGNED: 03/15/2016



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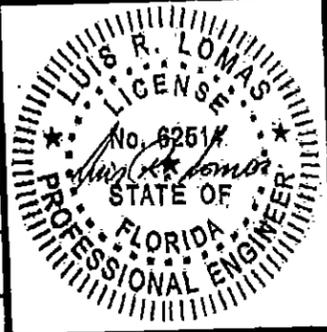
REINFORCING BAR NOTE:
 ITEM #46, INTERLOCK REINFORCING BAR IS SECURED TO INTERLOCK WITH ITEM #66. ITEM #47, FEMALE BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #65. ITEM #45, 6000 BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE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

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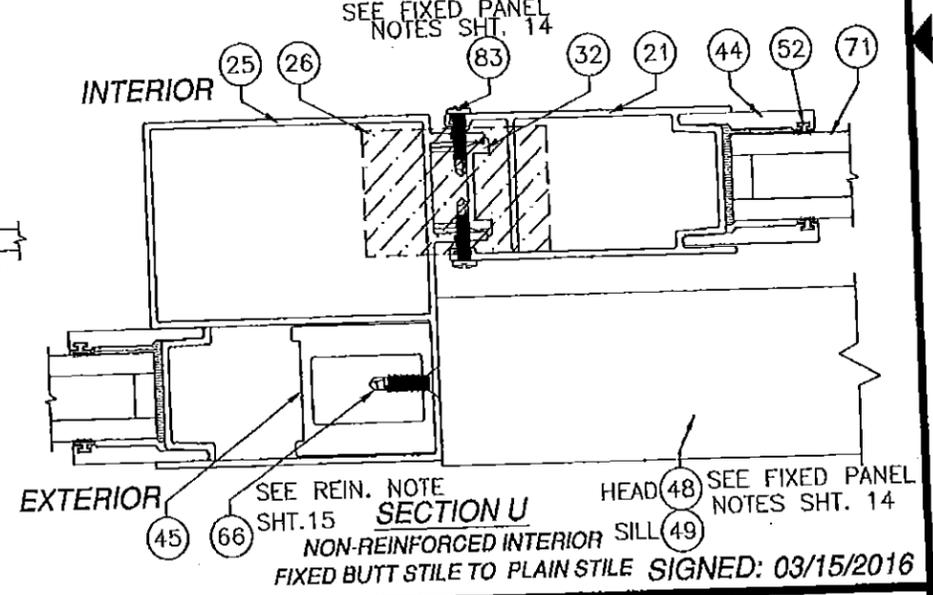
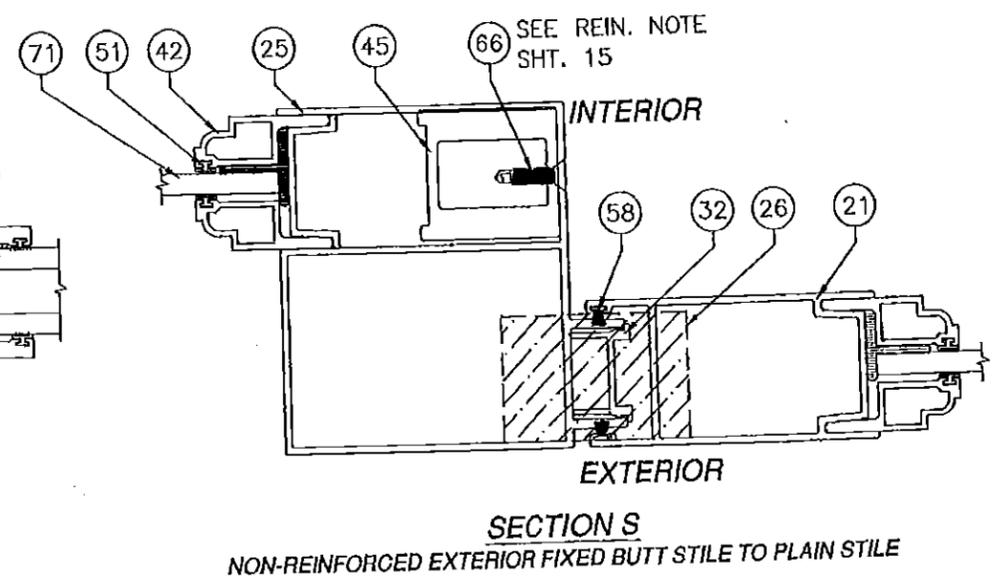
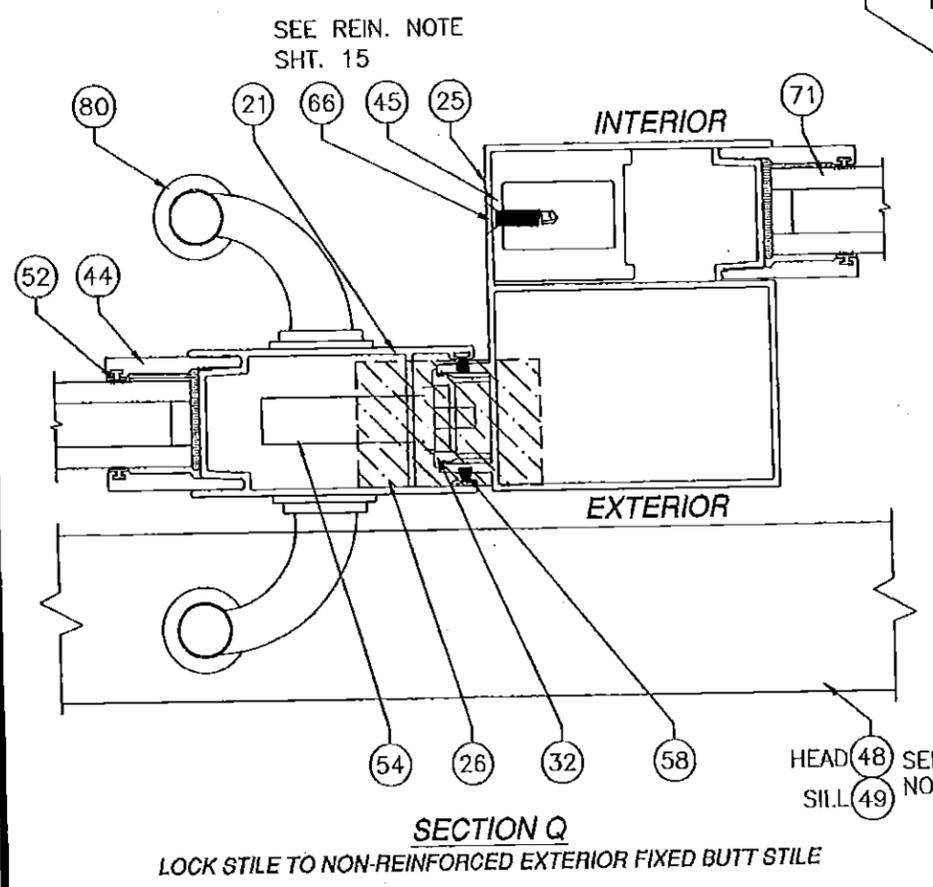
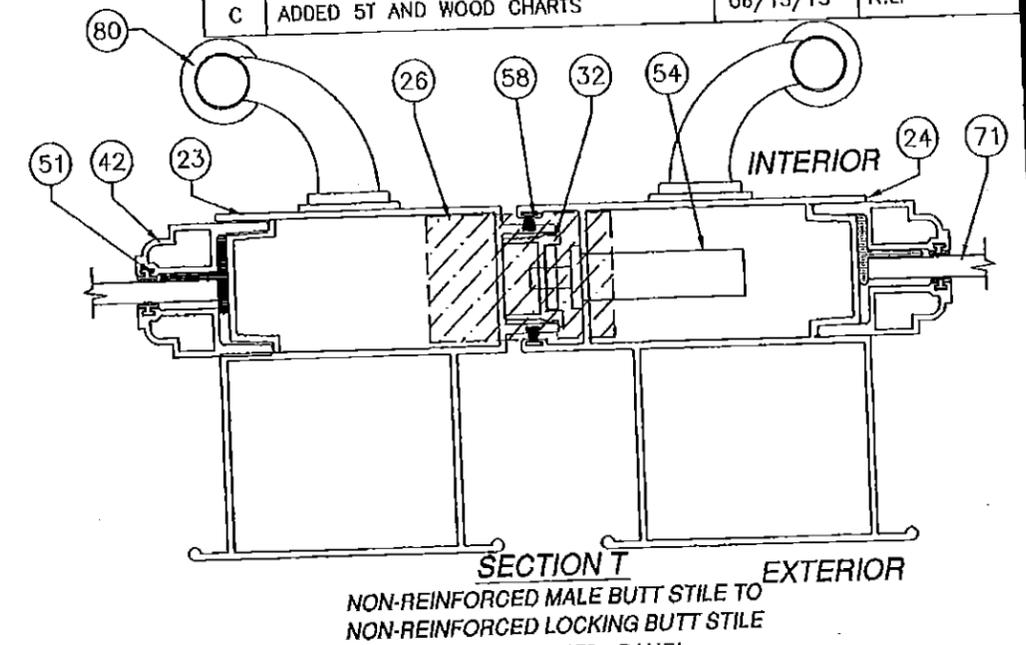
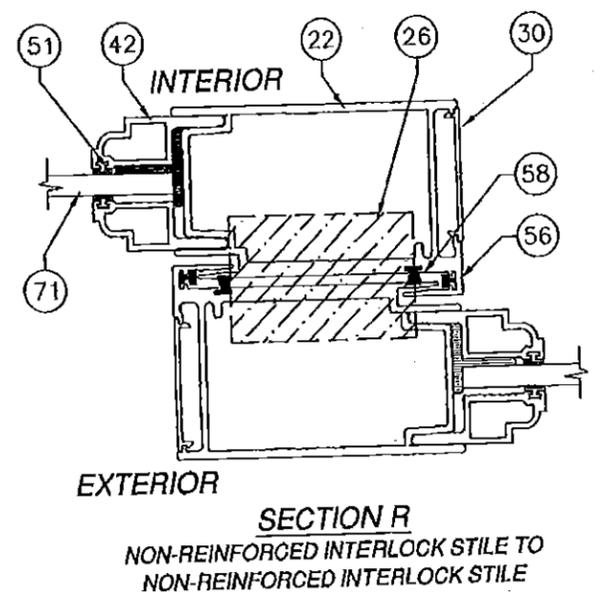
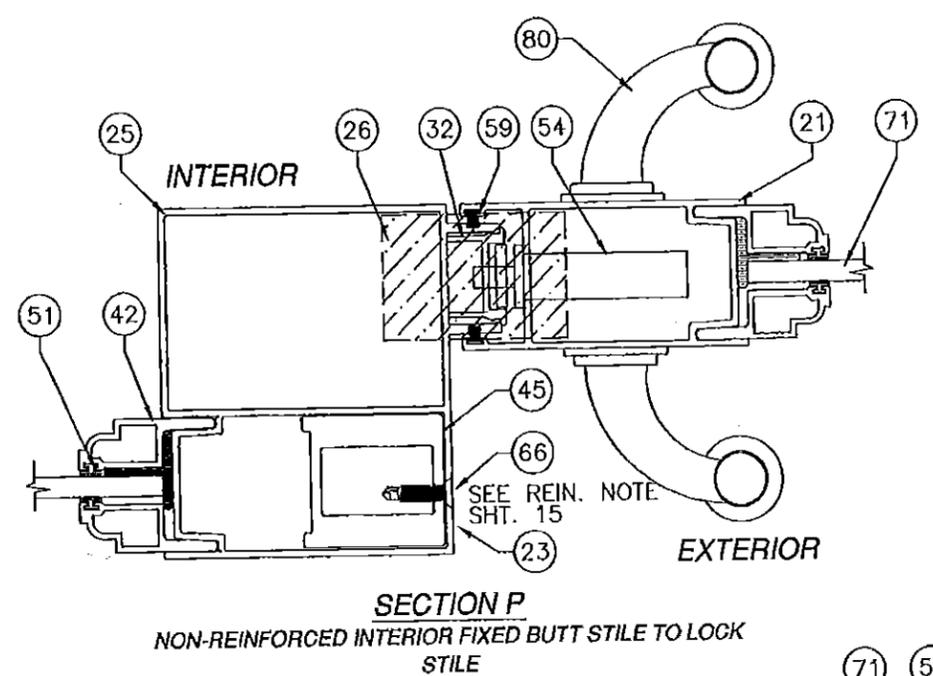
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 ORLANDO, FL 32832
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 Fax: 407.481.0505
 www.windoorinc.com

8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED HORIZONTAL CROSS SECTIONS

DRAWN: TJH DWG NO. 08-00943 REV C
 SCALE NTS DATE 02/04/10 SHEET 15 OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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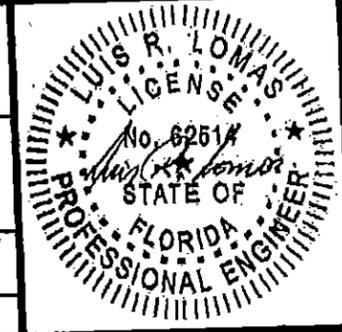


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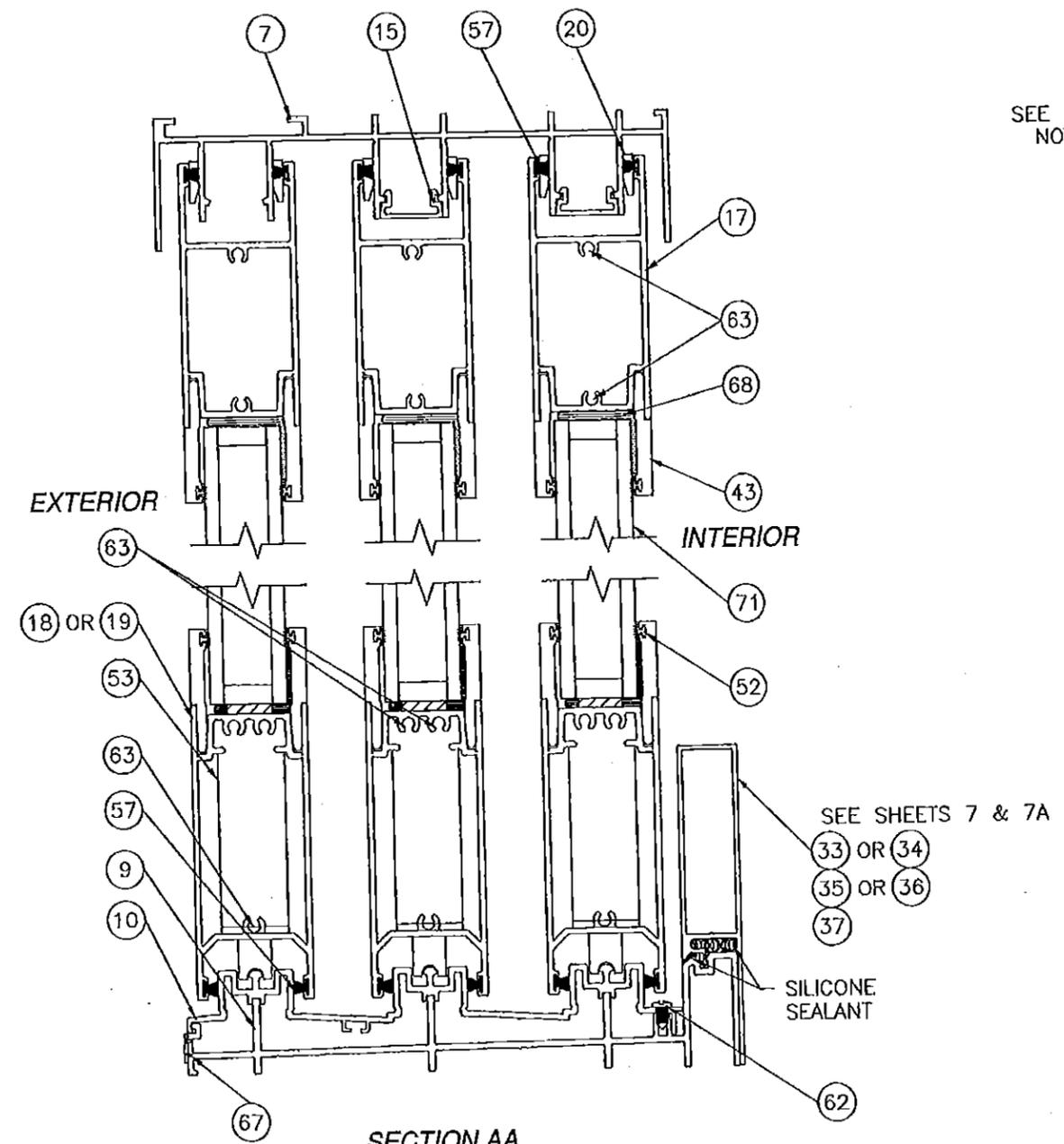
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8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 16 OF 27

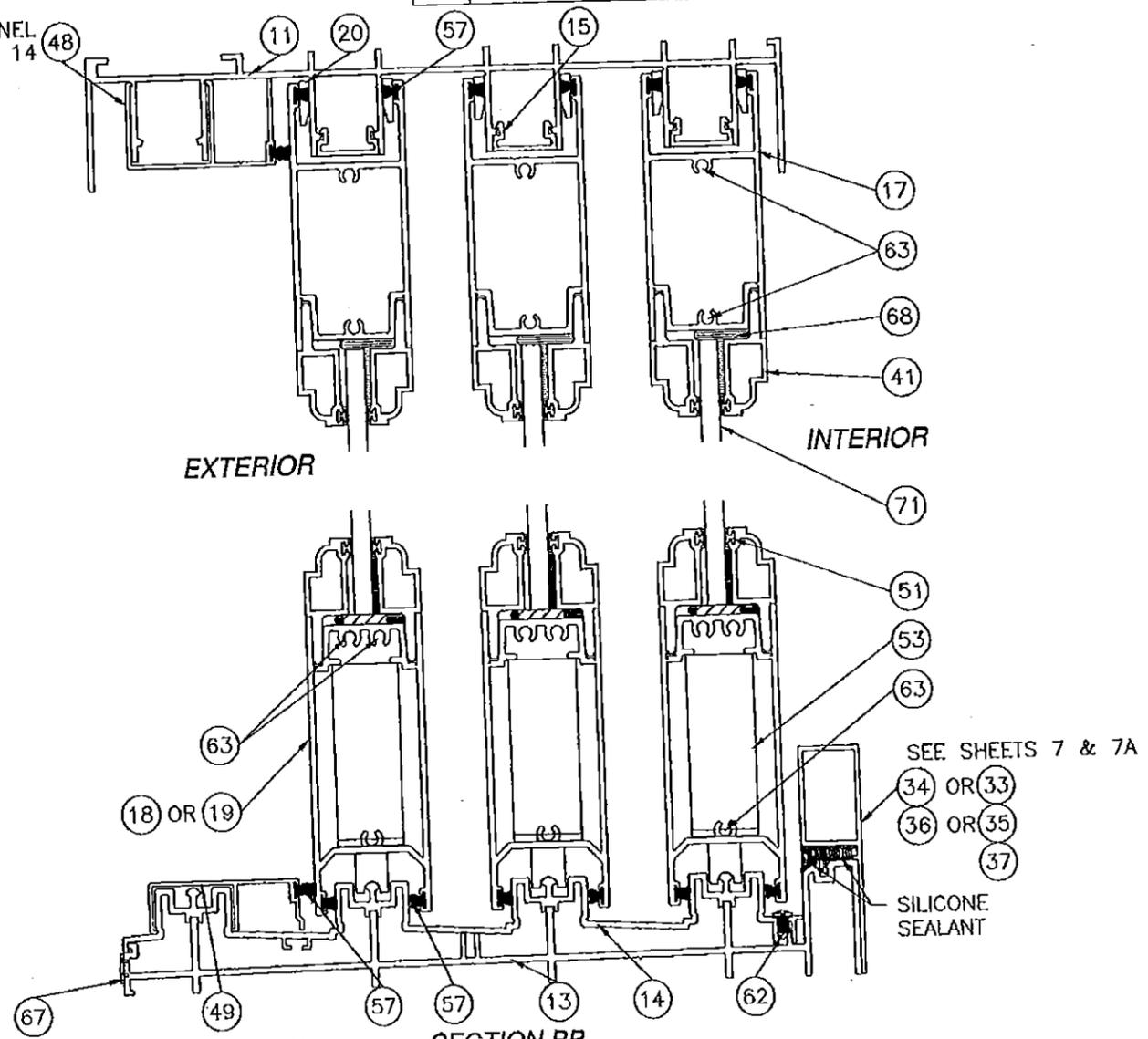


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SECTION AA
3 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEETS 7 & 7A

SEE FIXED PANEL NOTES SHT. 14

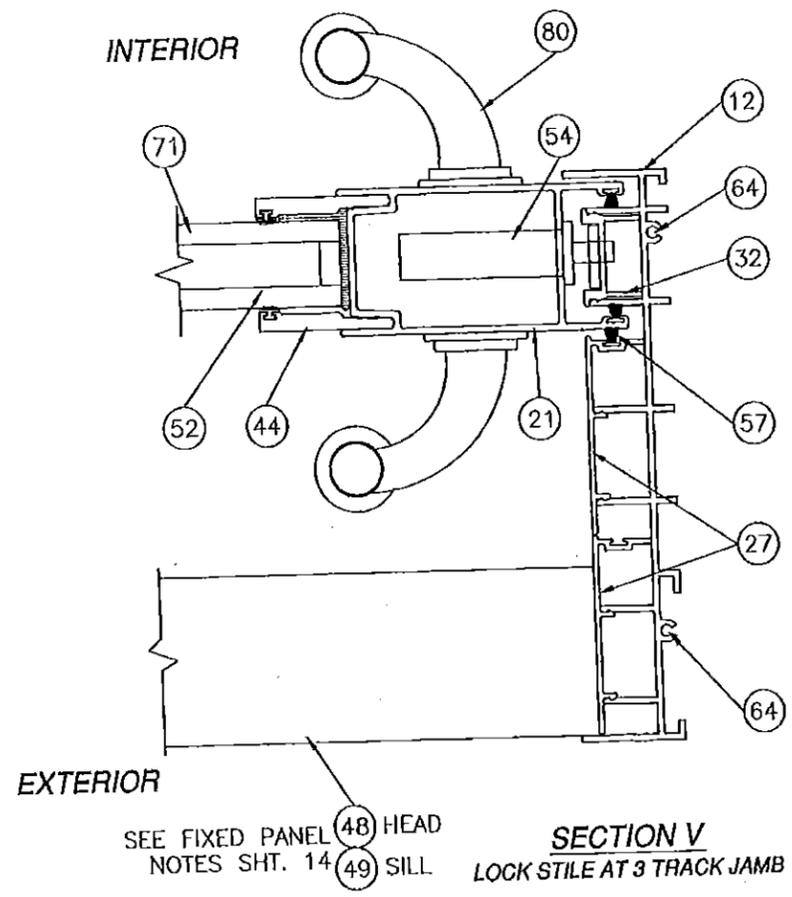
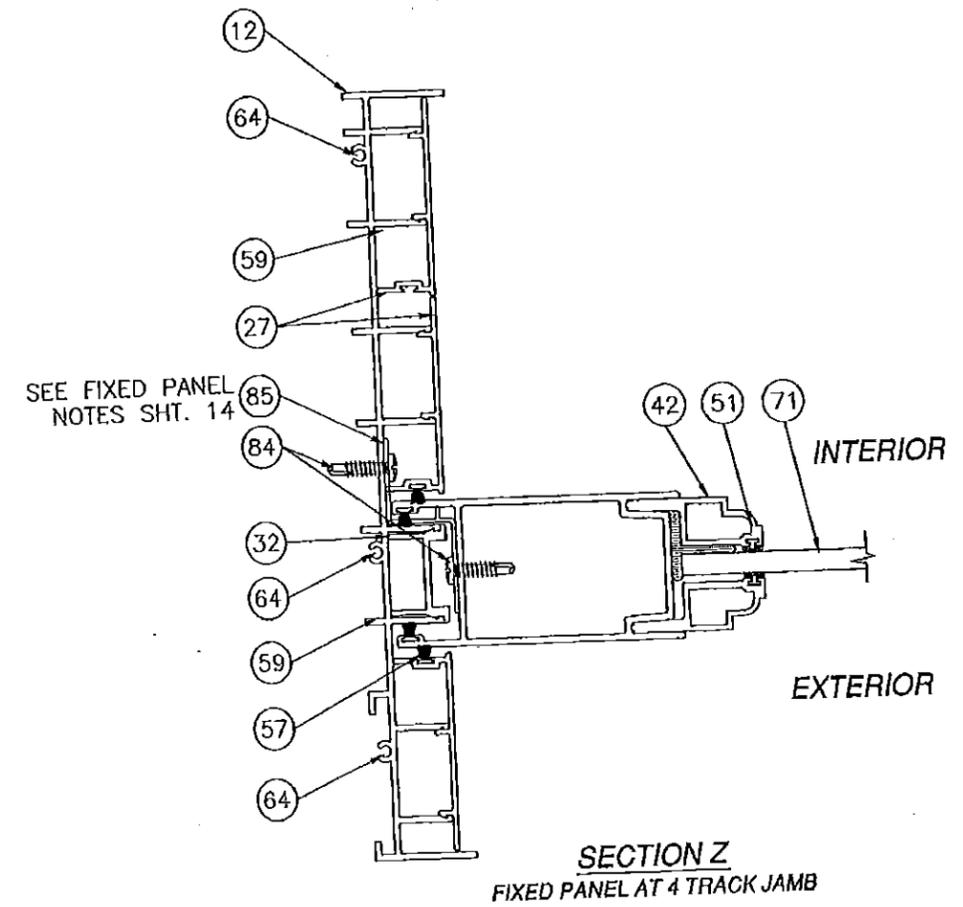
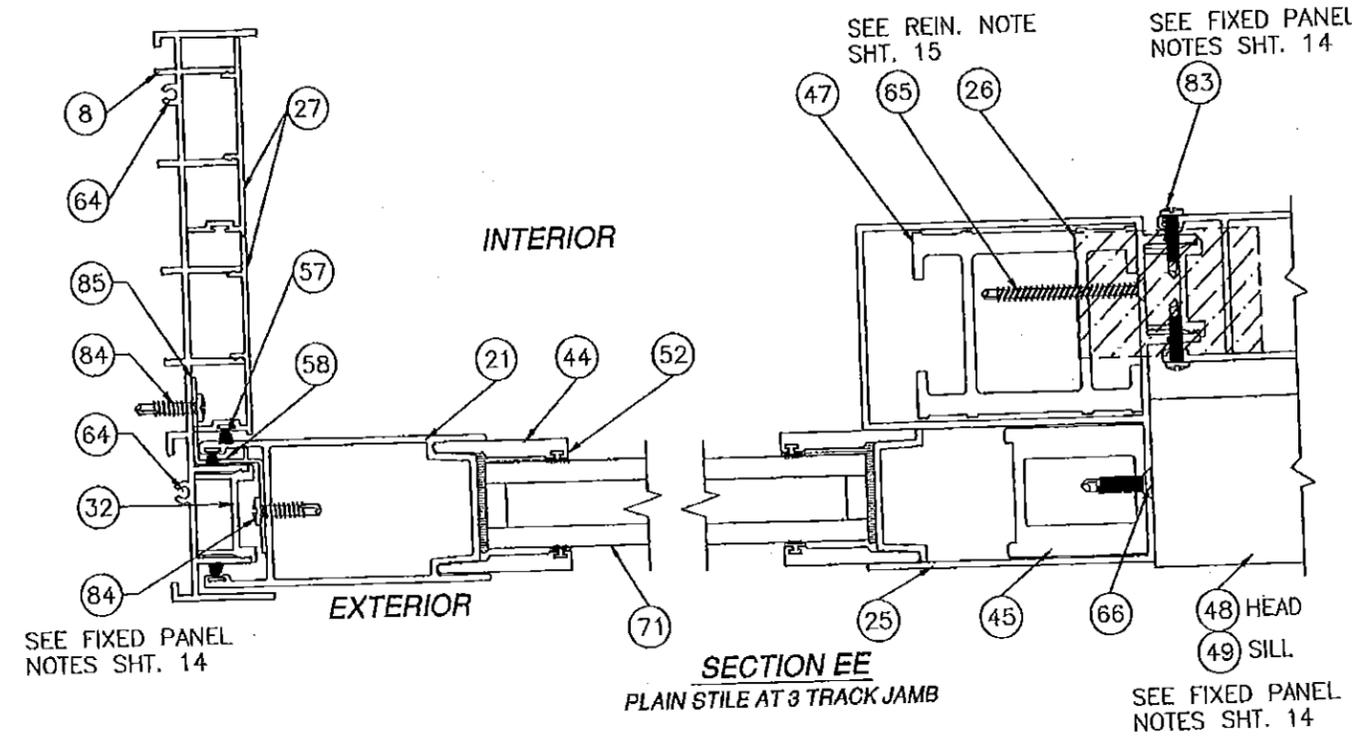


SECTION BB
4 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEETS 7 & 7A

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	8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED VERTICAL CROSS SECTIONS	
DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 17 OF 27

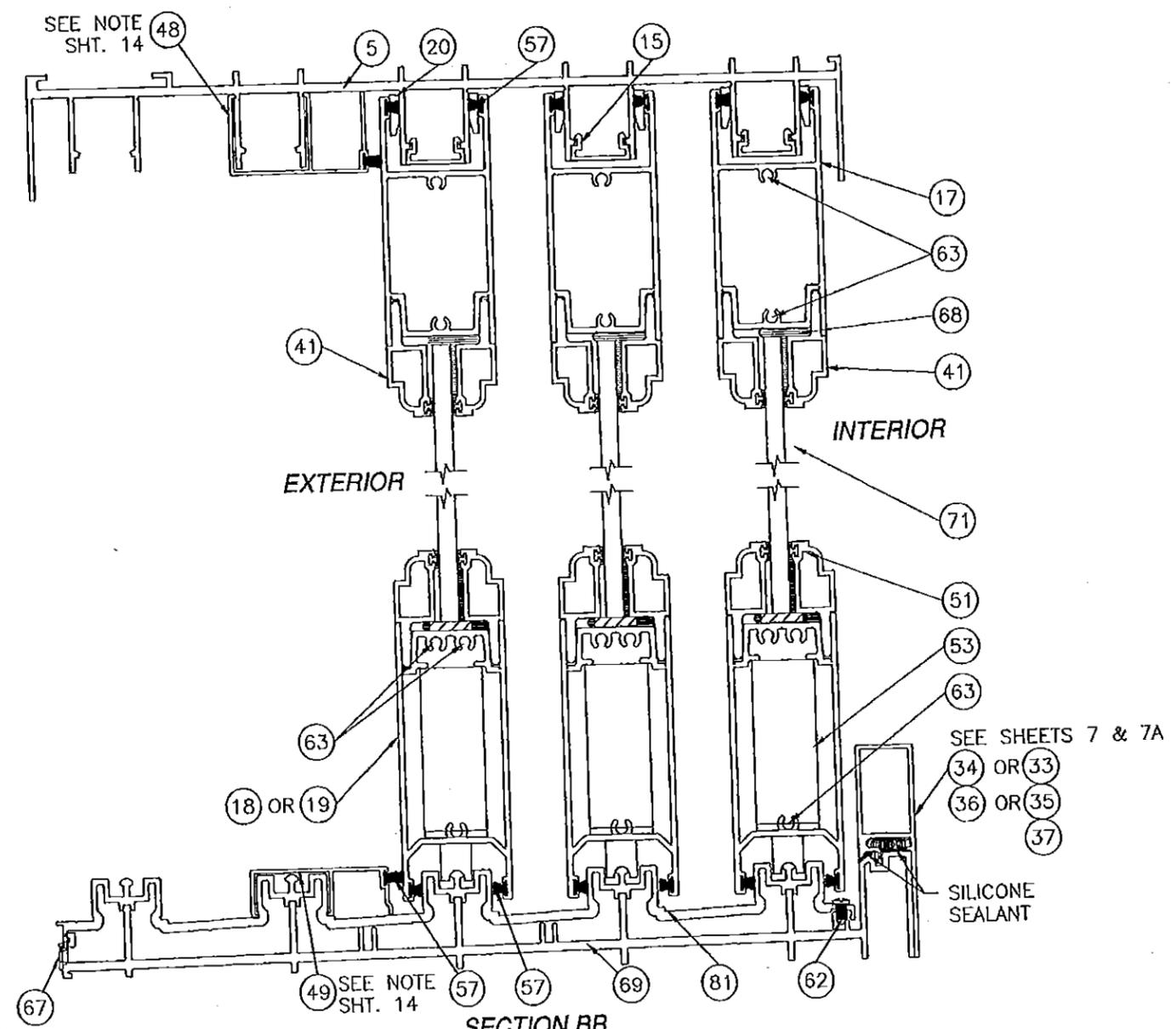
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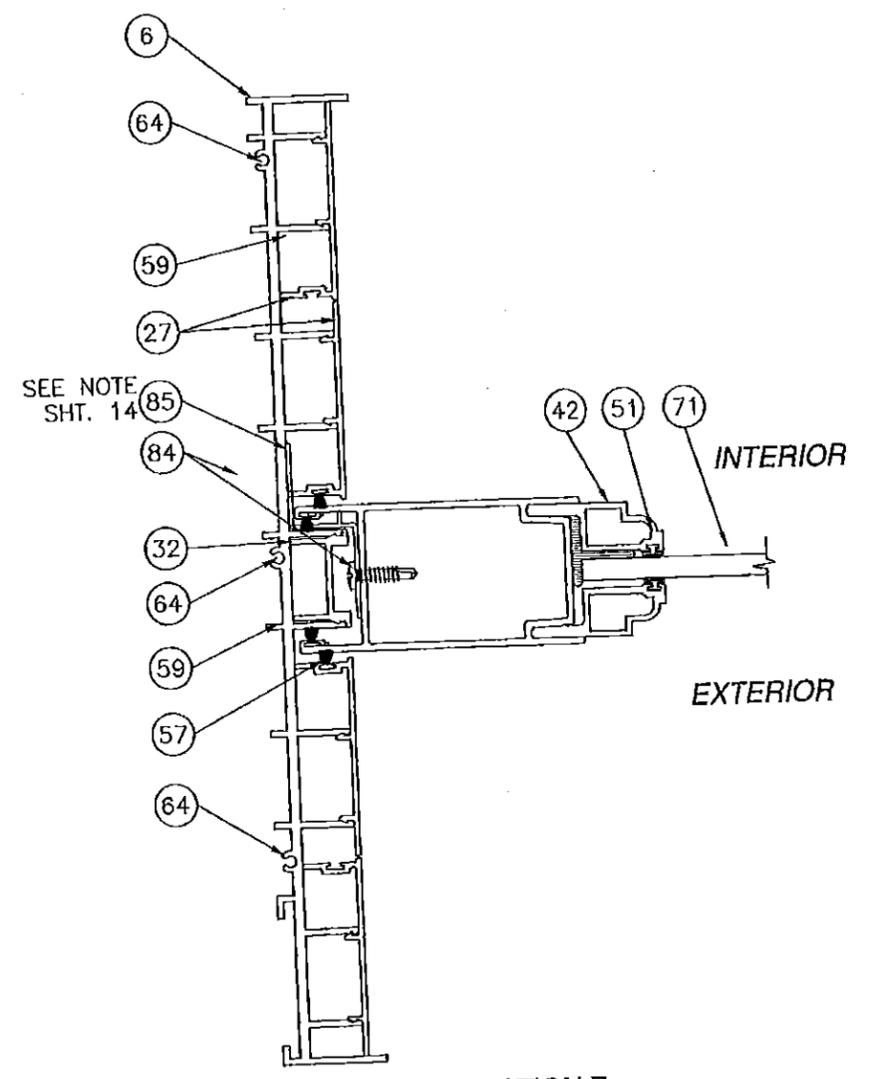
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DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 18 OF 27

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



SECTION Z
FIXED PANEL AT 5 TRACK JAMB

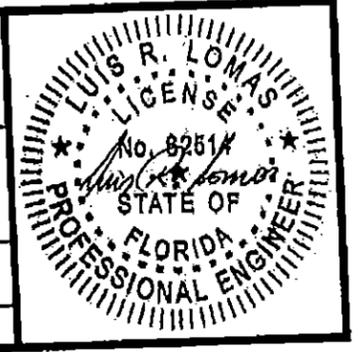
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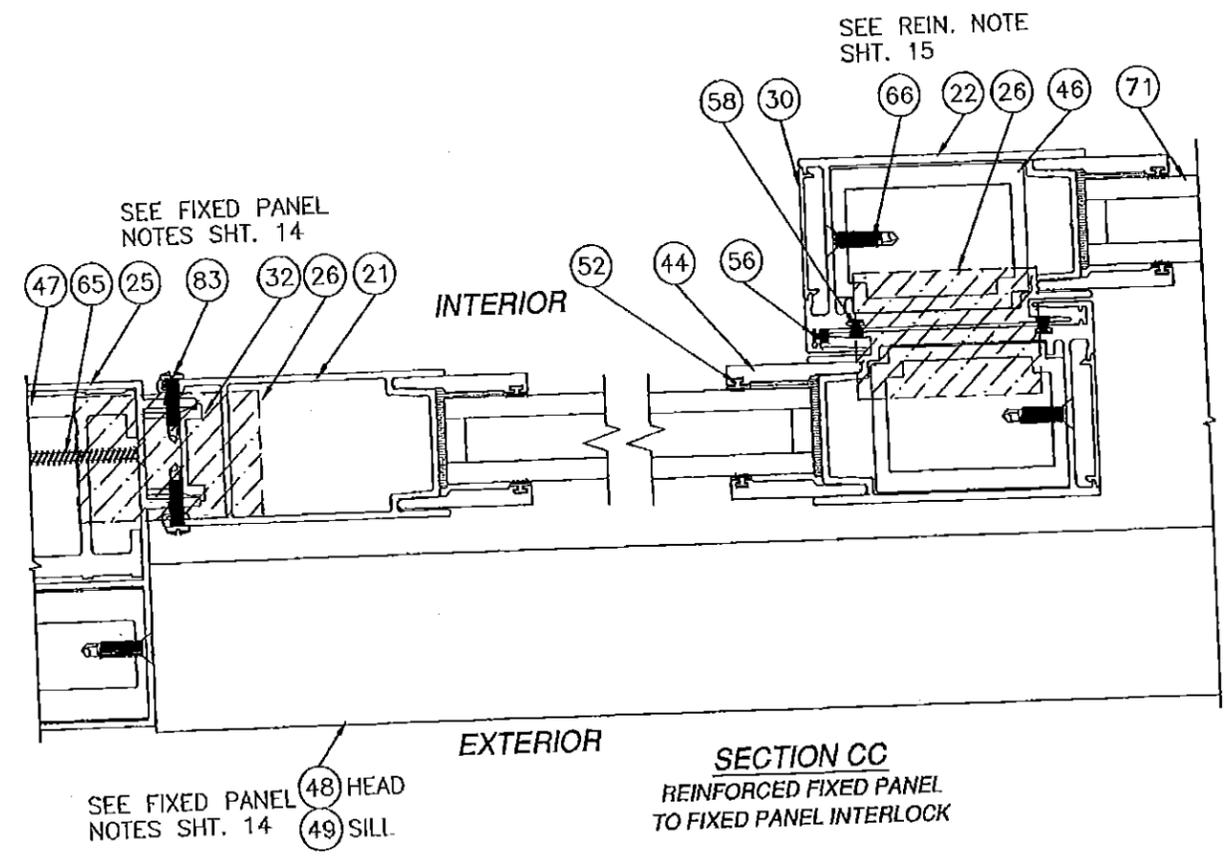
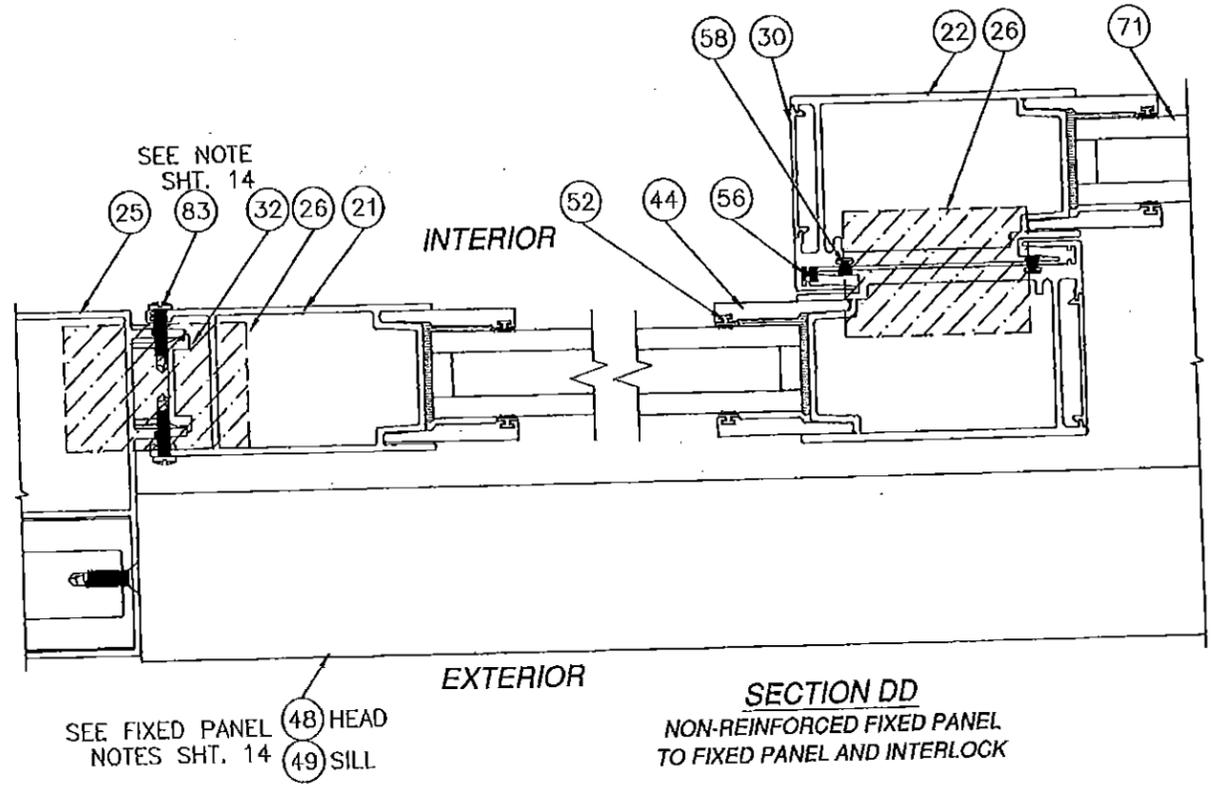
8100 SERIES ALUMINUM SGD NON-IMPACT
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HORIZONTAL AND VERTICAL CROSS SECTIONS 5T

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 18A OF 27

SIGNED: 03/15/2016



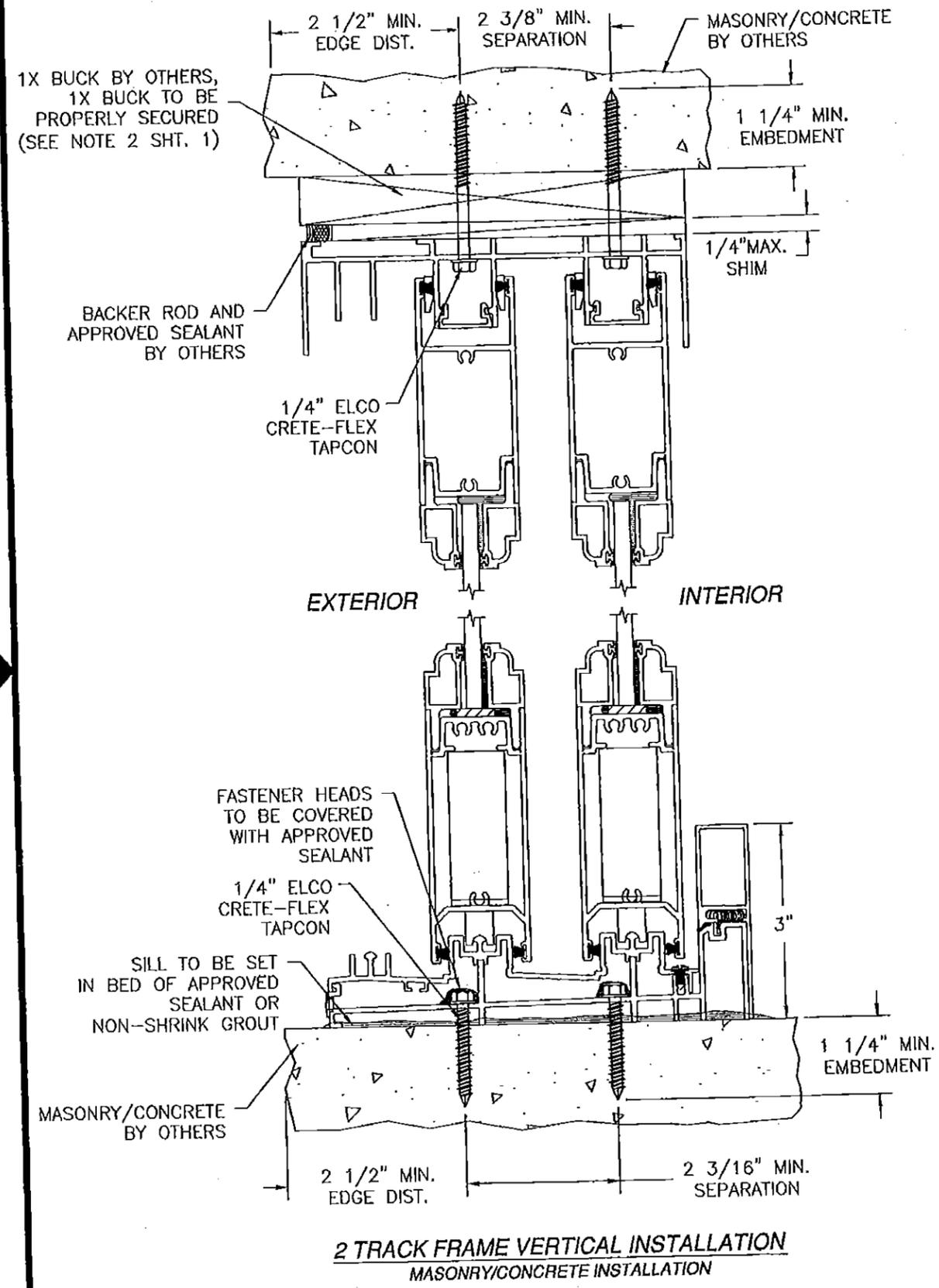
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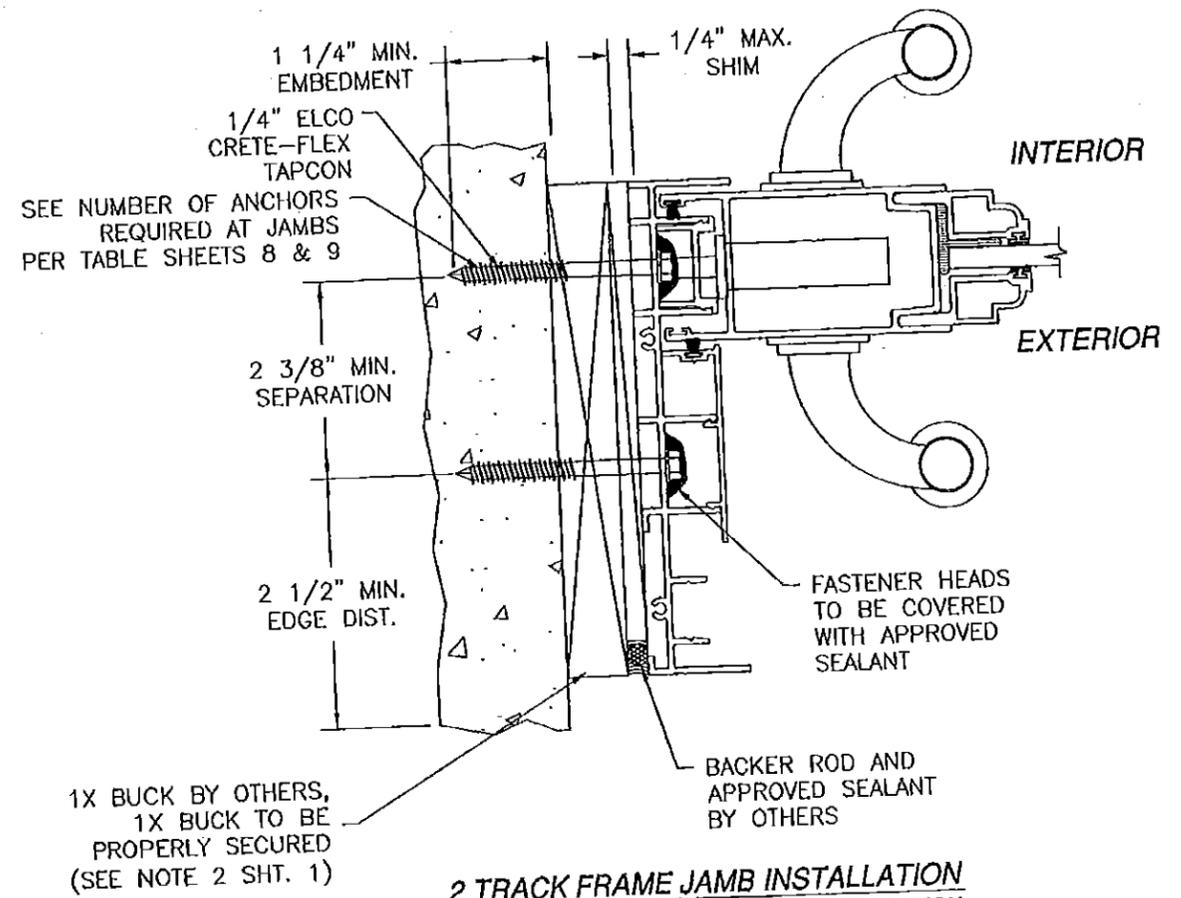
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2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION



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

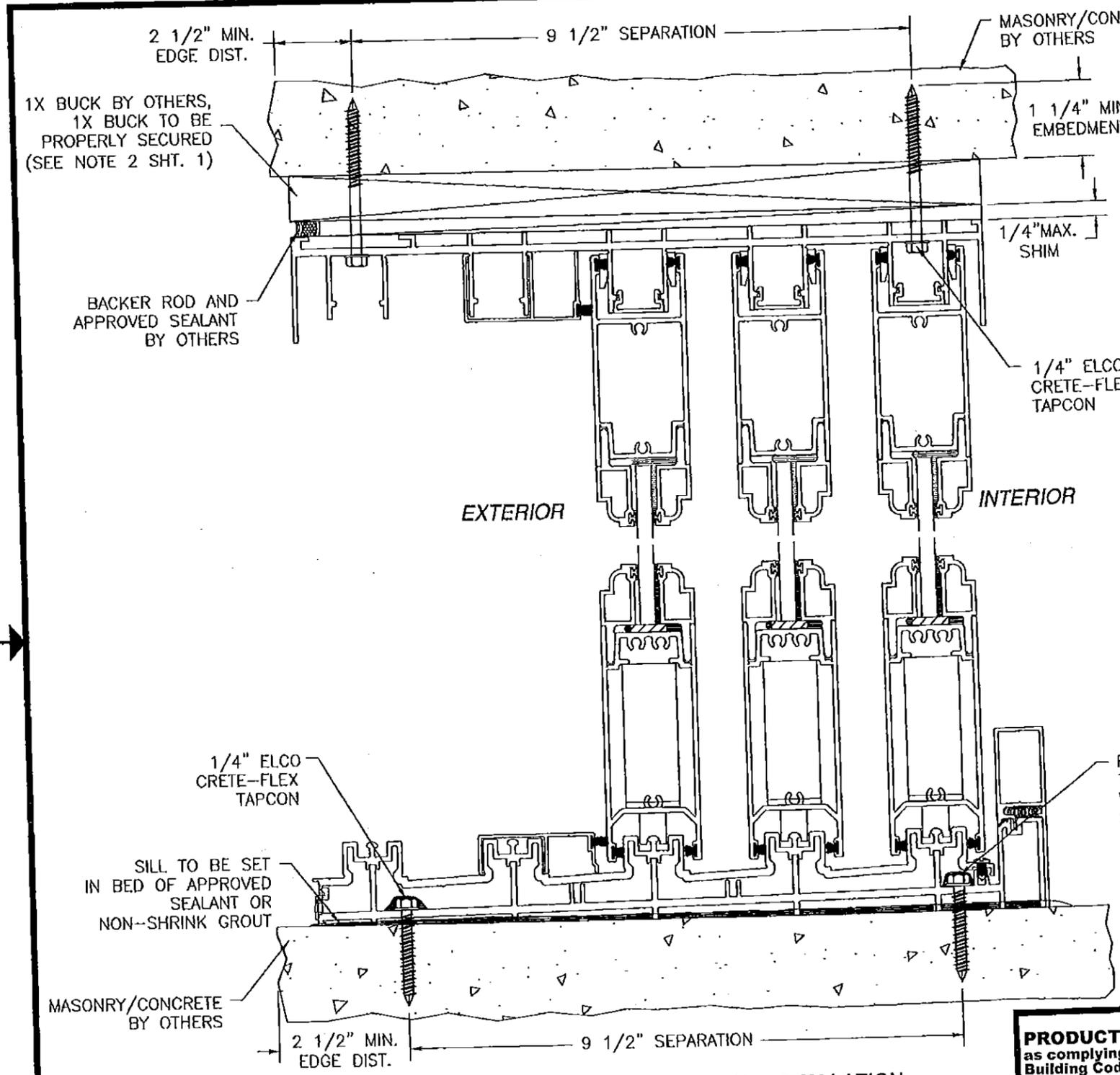
NOTE:
CONCRETE SUBSTRATE INSTALLATION FOR 2 TRACK SHOWN.
ANCHORAGE SIMILAR FOR 3 TRACK AND 4 TRACK SYSTEMS.
SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

2 TRACK WITH 3" SILL SHOWN 3 TRACK, 4 TRACK &
5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE
USED PER DP TABLE SHEETS 7 & 7A.

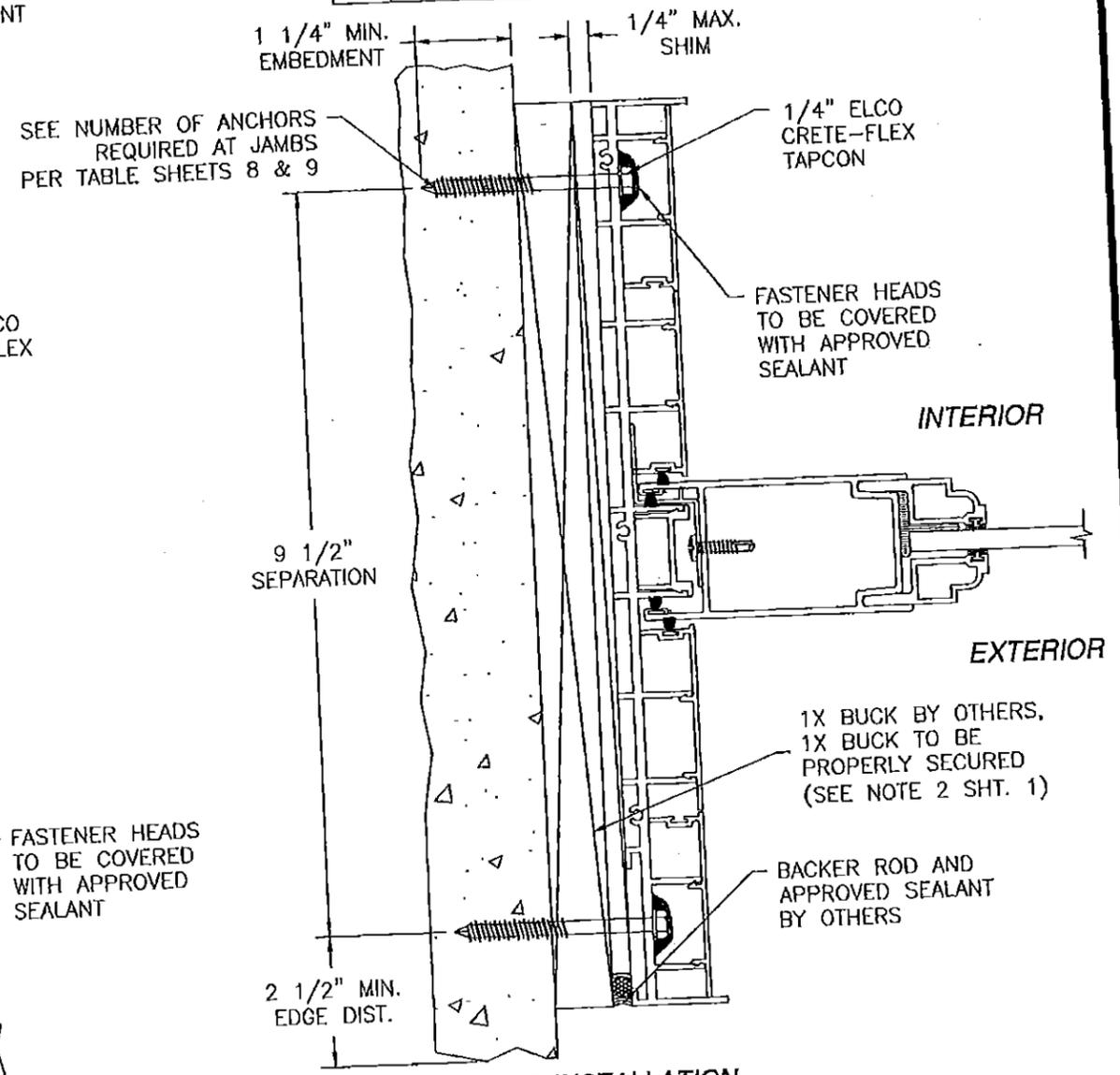
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DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 20 OF 27

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5 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION



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

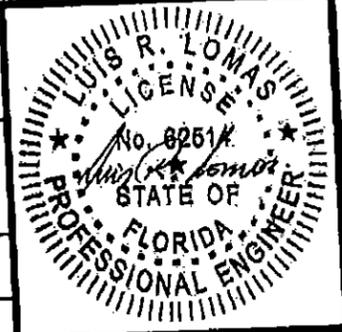
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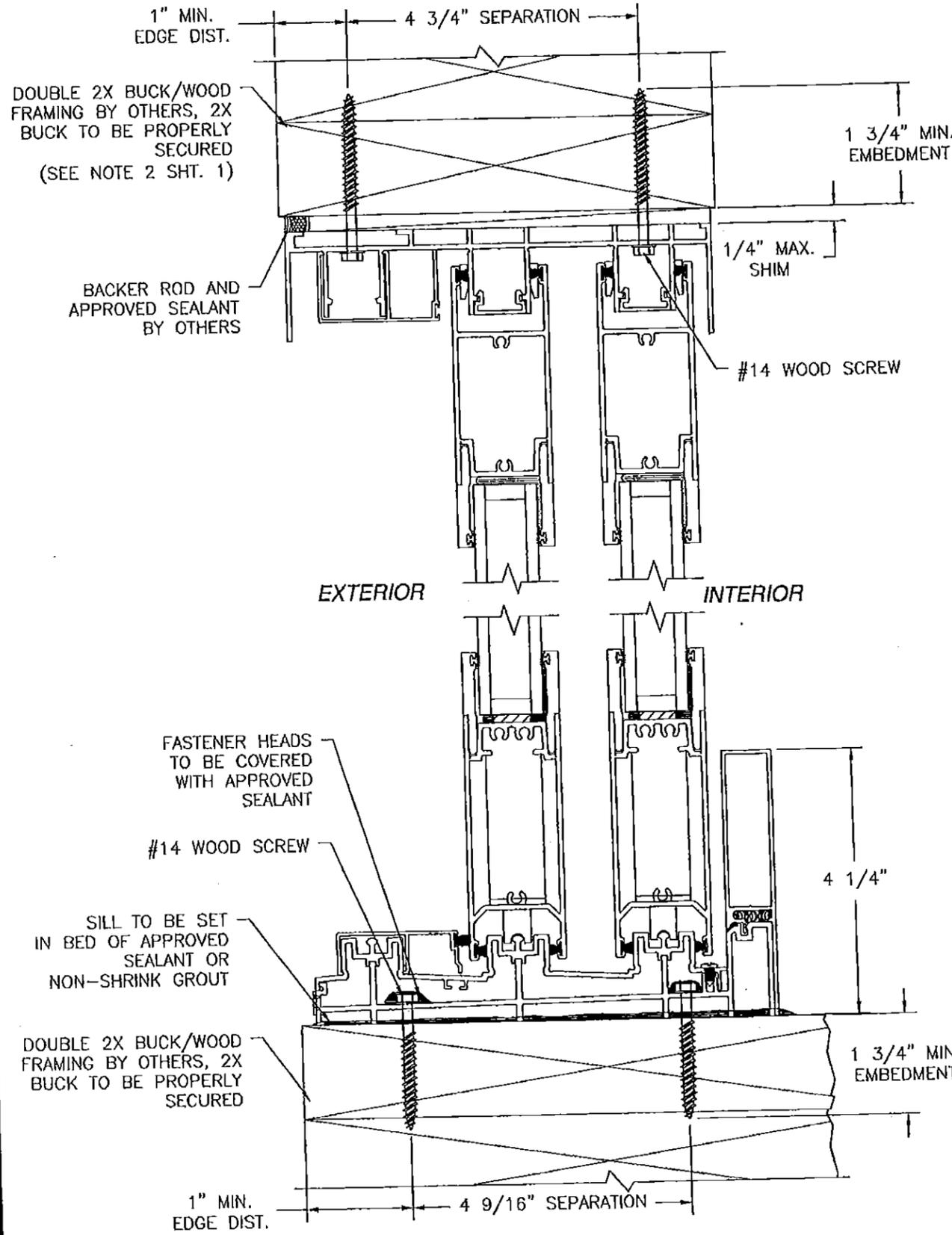
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DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 20A OF 27

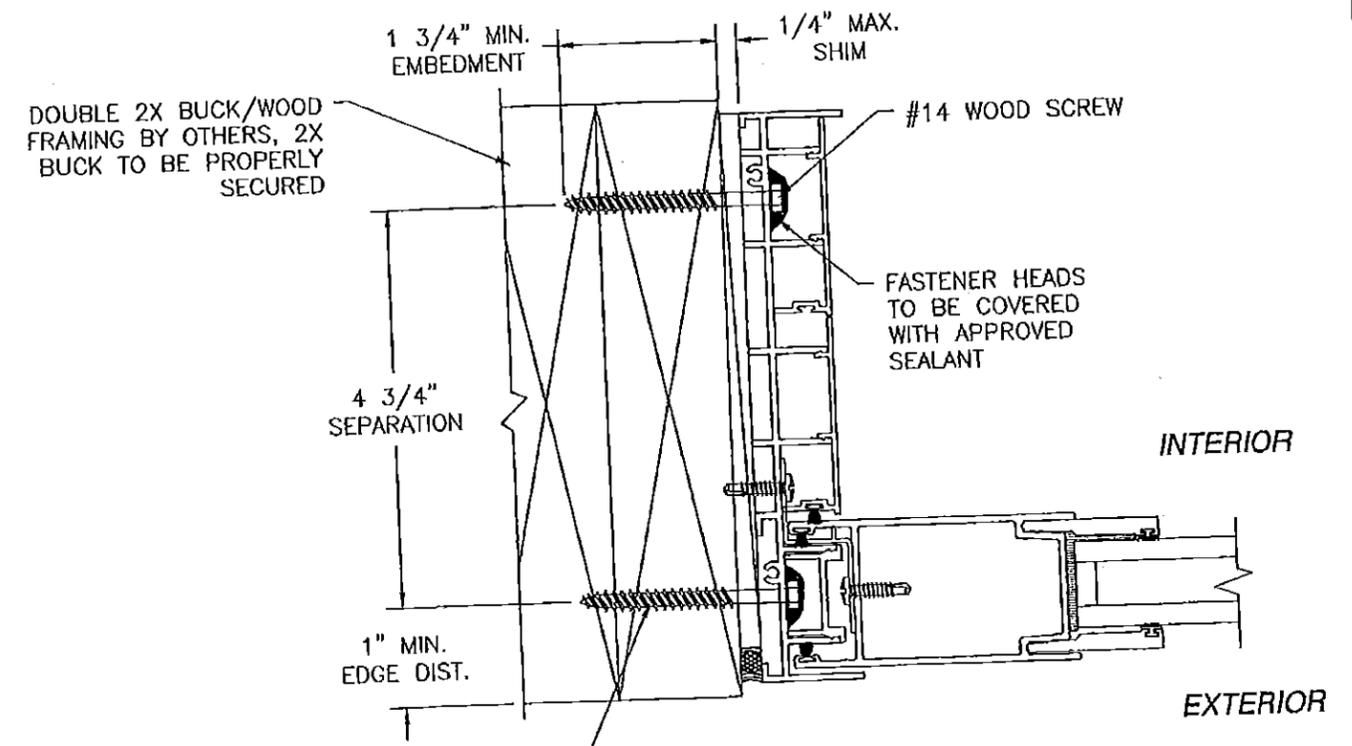
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REV	DESCRIPTION	DATE	APPROVED
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B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



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



3 TRACK FRAME JAMB INSTALLATION
DOUBLE 2X BUCK/WOOD FRAME INSTALLATION

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

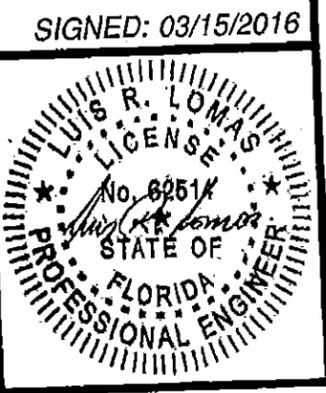
3 TRACK WITH 4 1/4" SILL RISER SHOWN 2 TRACK, 4 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE USED PER DP TABLE SHEETS 7 & 7A.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

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

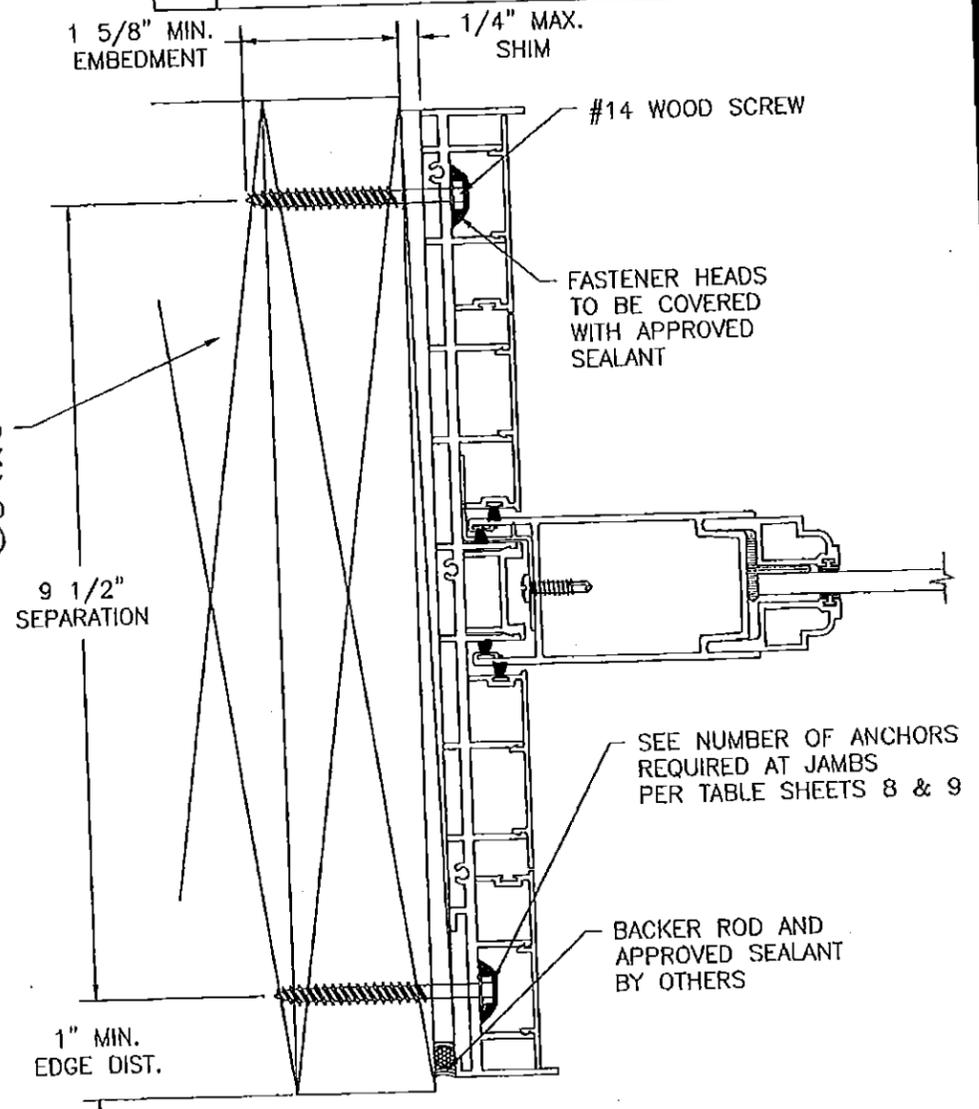
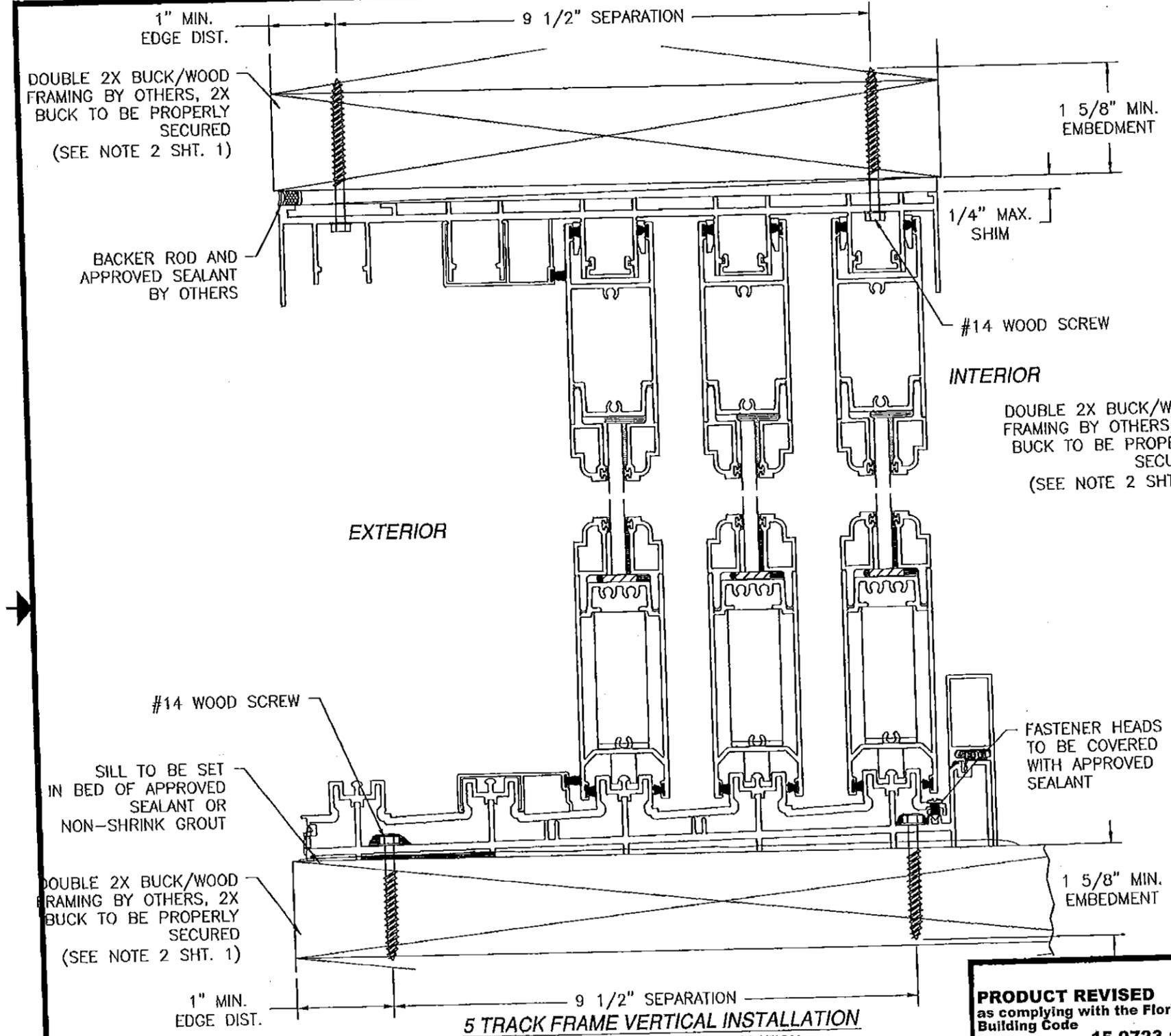
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 21 OF 27



SIGNED: 03/15/2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
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5 TRACK FRAME VERTICAL INSTALLATION
2X BUCKWOOD FRAME INSTALLATION

5 TRACK FRAME JAMB INSTALLATION
2X BUCKWOOD FRAME INSTALLATION,

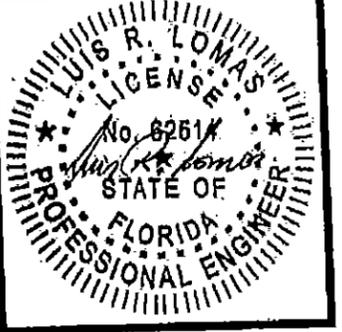
SIGNED: 03/15/2016

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By *[Signature]*
Miami-Dade Product Control

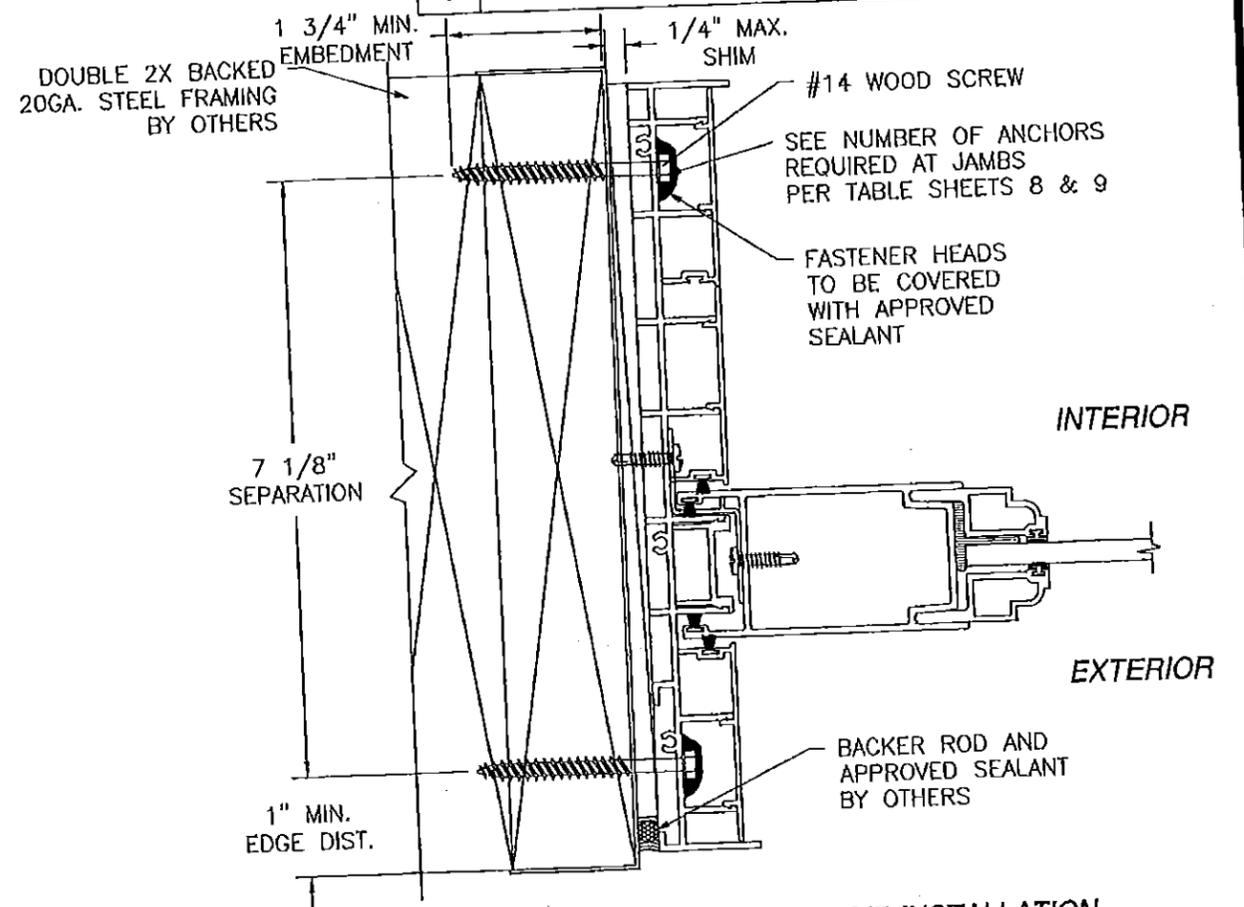
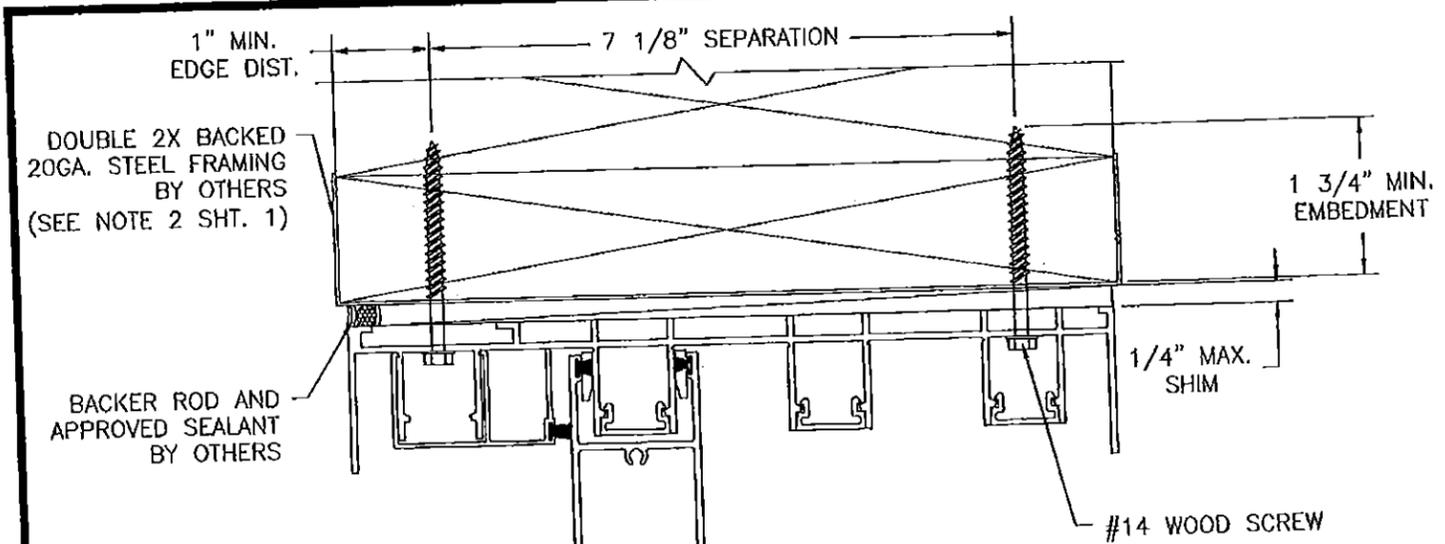
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

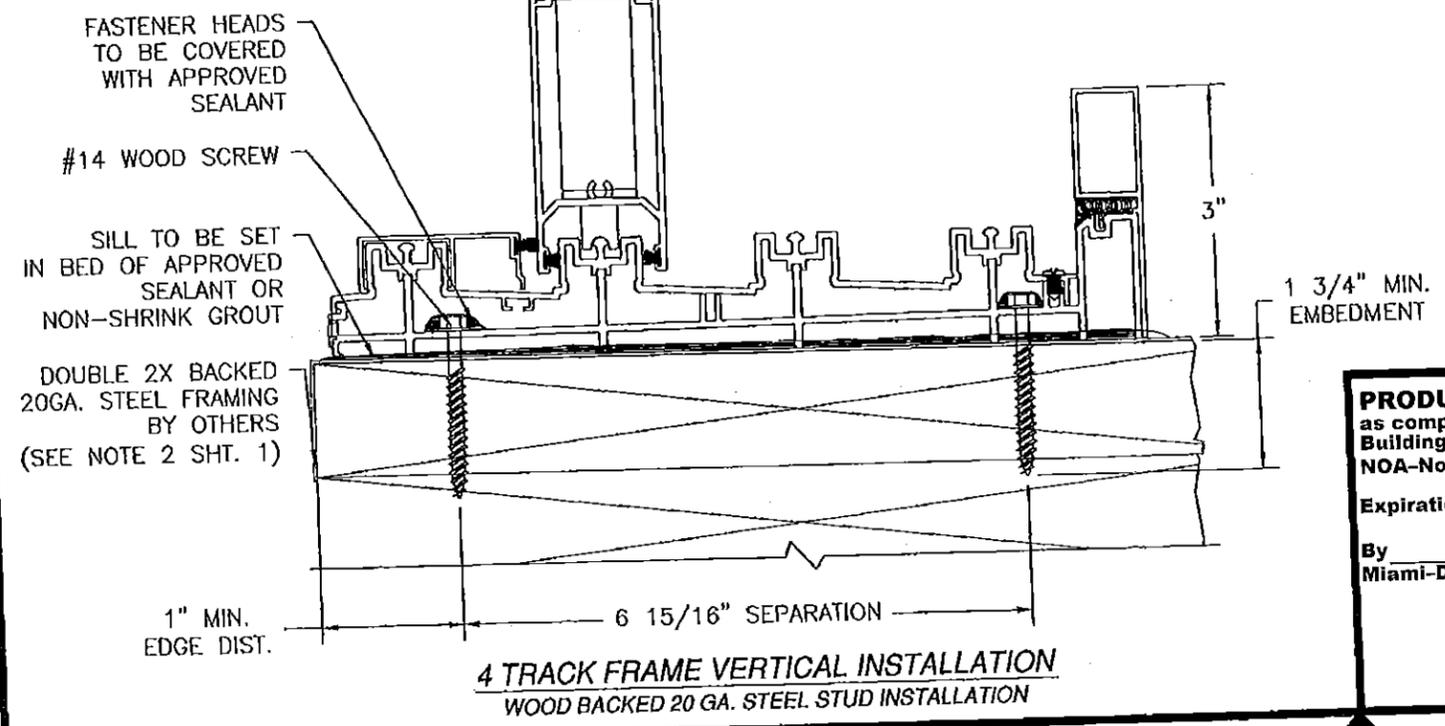
DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 21A OF 27



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION



4 TRACK FRAME VERTICAL 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 ANCHOR O.C. SEPARATION.

4 TRACK WITH 3" SILL RISER SHOWN 2 TRACK, 3 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE USED PER DP TABLE SHEETS 7 & 7A.

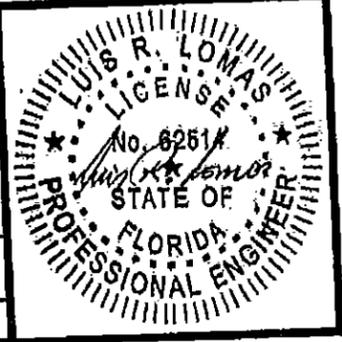
SIGNED: 03/15/2016

PRODUCT REVISED
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NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By **Miami-Dade Product Control**

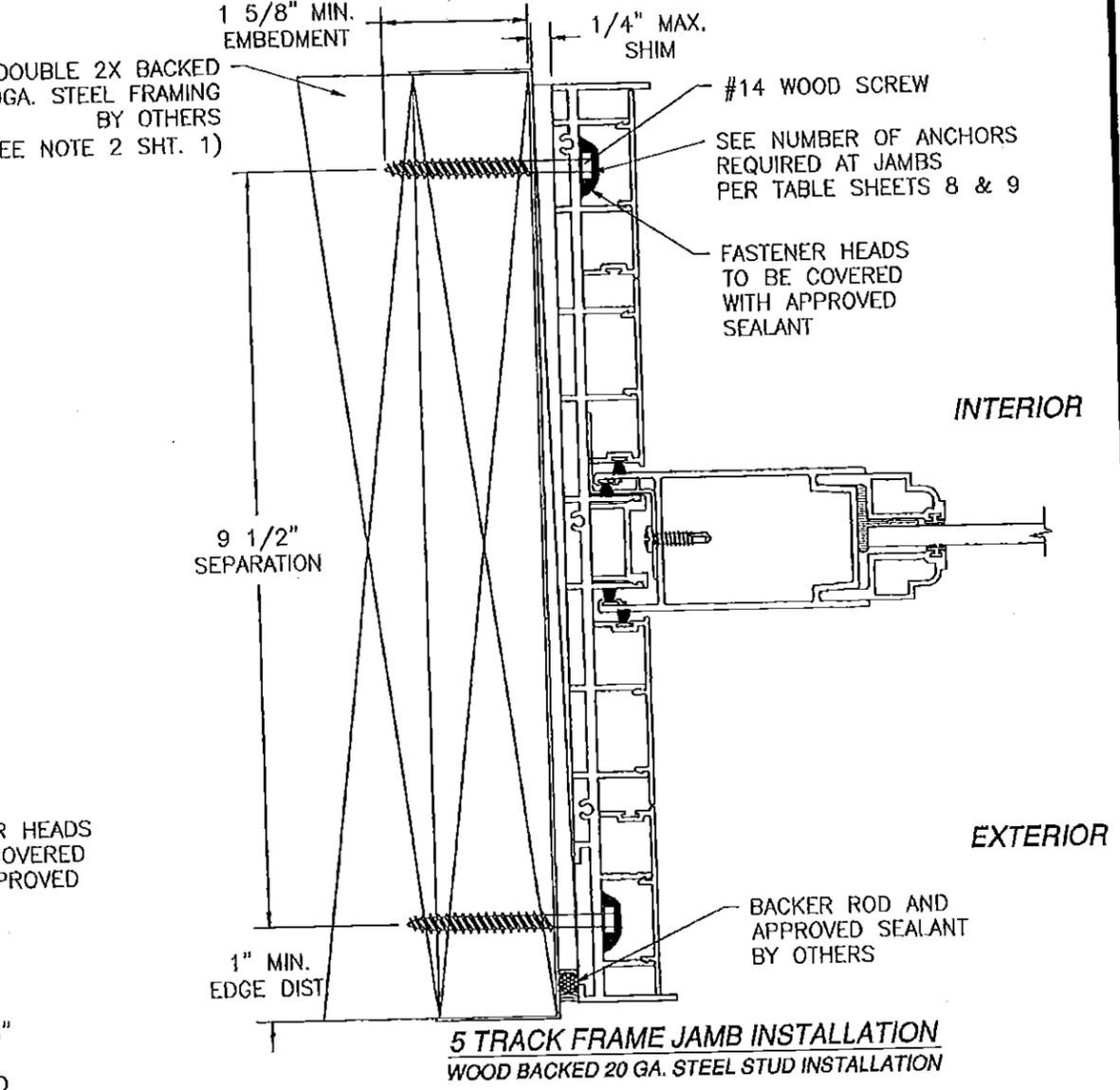
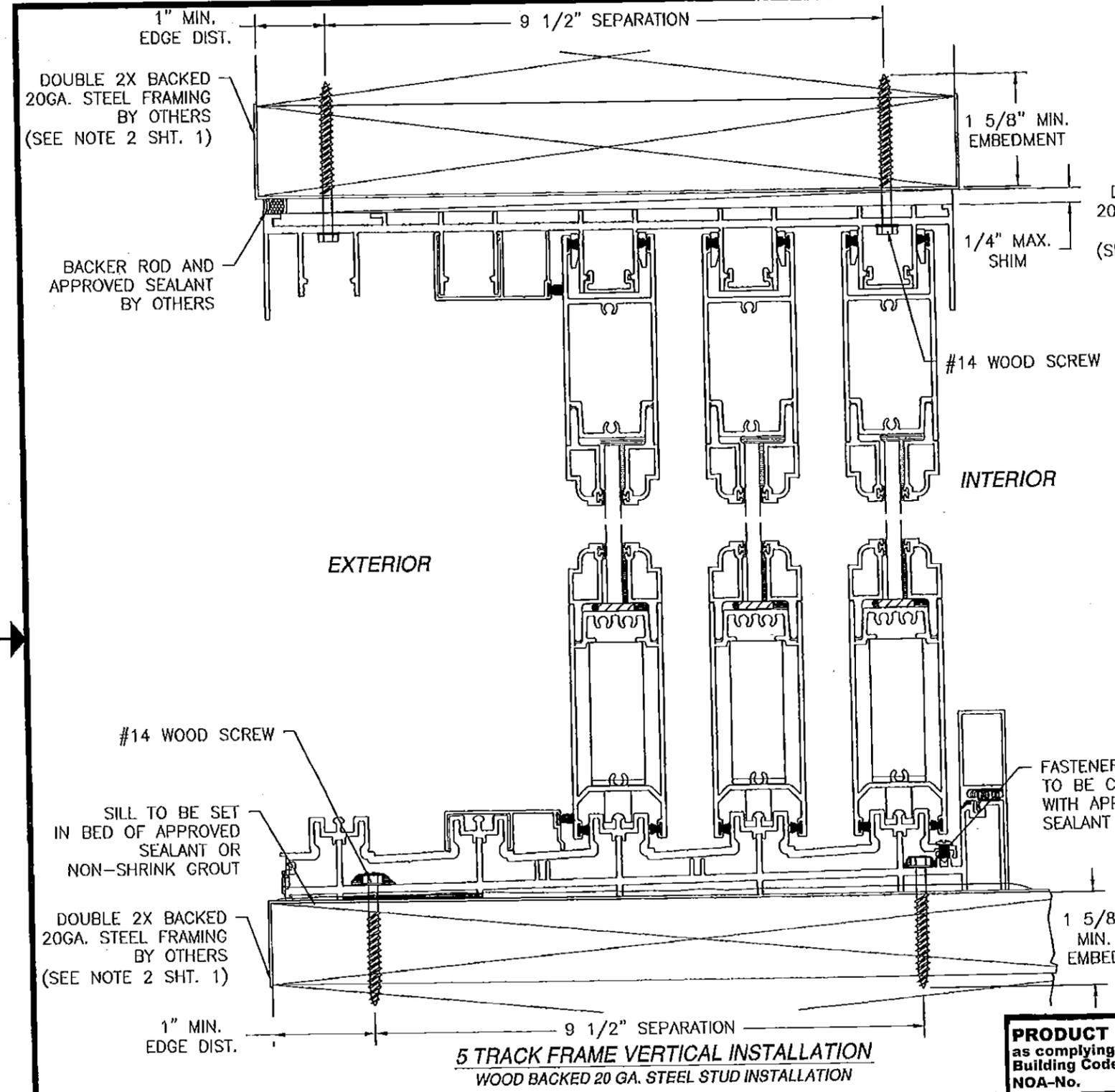
WinDoor INCORPORATED
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8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED INSTALLATION DETAILS

DRAWN: TJH
SCALE NTS
DATE 02/04/10
DWG NO. 08-00943
SHEET 22 OF 27
REV C



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



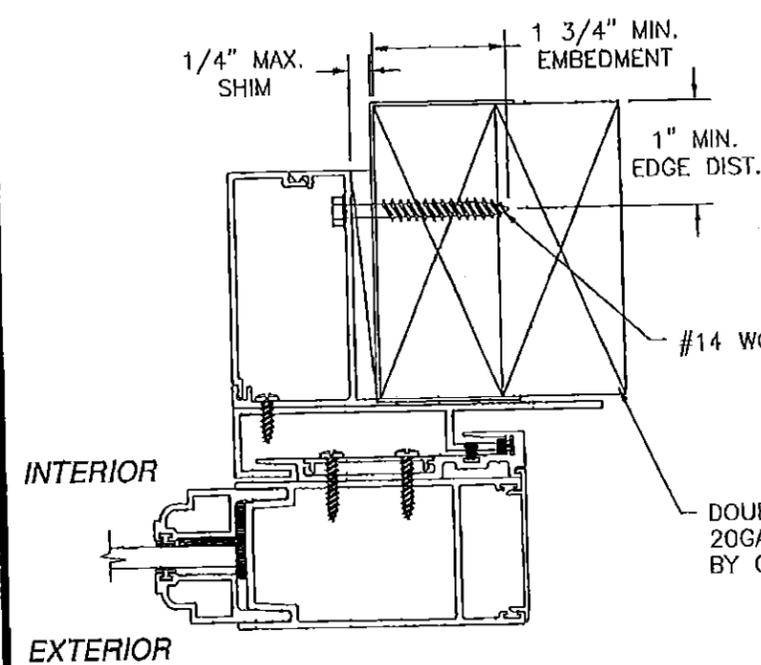
5 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

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

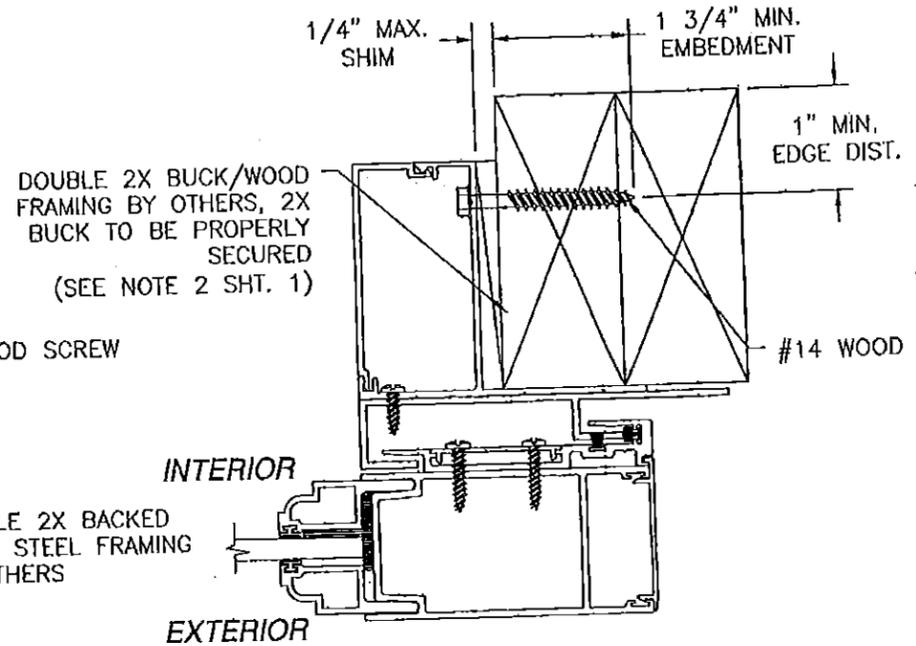
SIGNED: 03/15/2016

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 15-0723.13 Expiration Date 06/23/2021 By <i>[Signature]</i> 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 ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED INSTALLATION DETAILS	
DRAWN: TJH SCALE NTS	DWG NO. 08-00943 DATE 02/04/10	REV C SHEET 22A OF 27

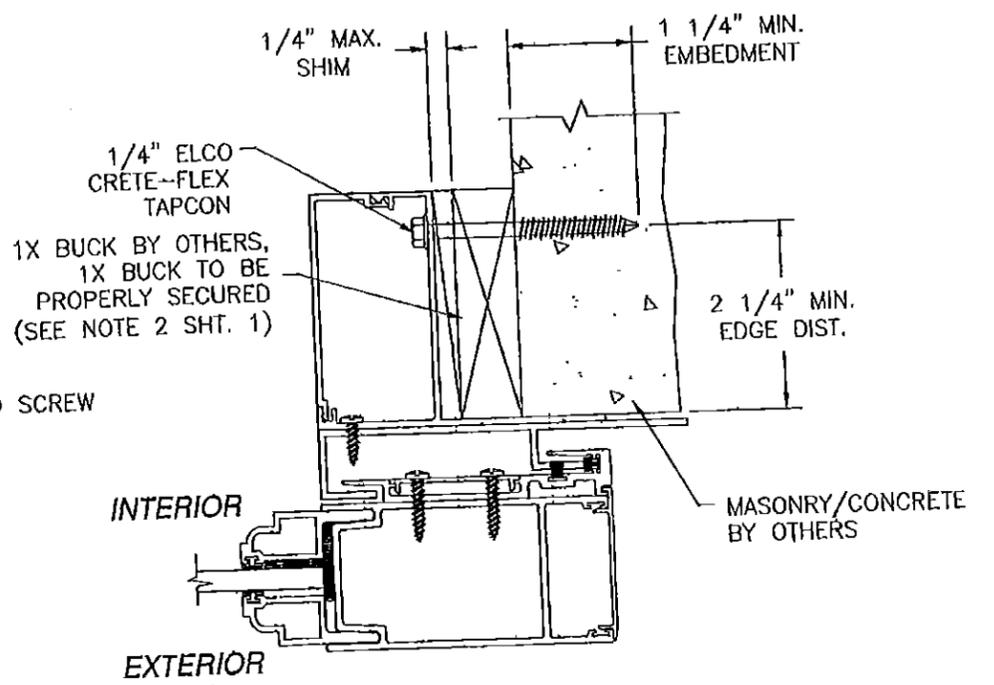
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
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POCKET HOOK STRIP
WOOD BACKED 20 GA. STEEL STUD INSTALLATION



POCKET HOOK STRIP
2X BUCK/WOOD FRAME INSTALLATION



POCKET HOOK STRIP
MASONRY/CONCRETE INSTALLATION

SIGNED: 03/15/2016

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Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

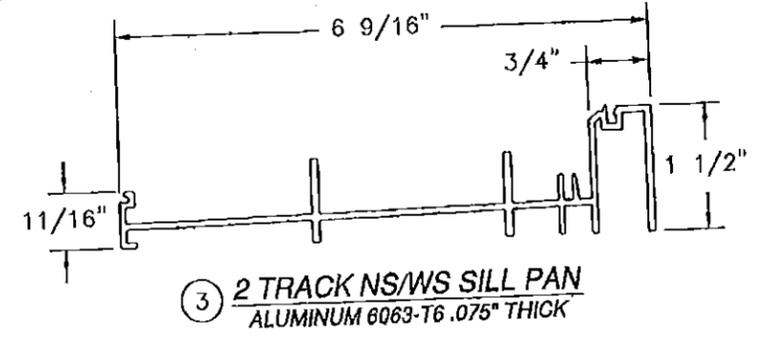
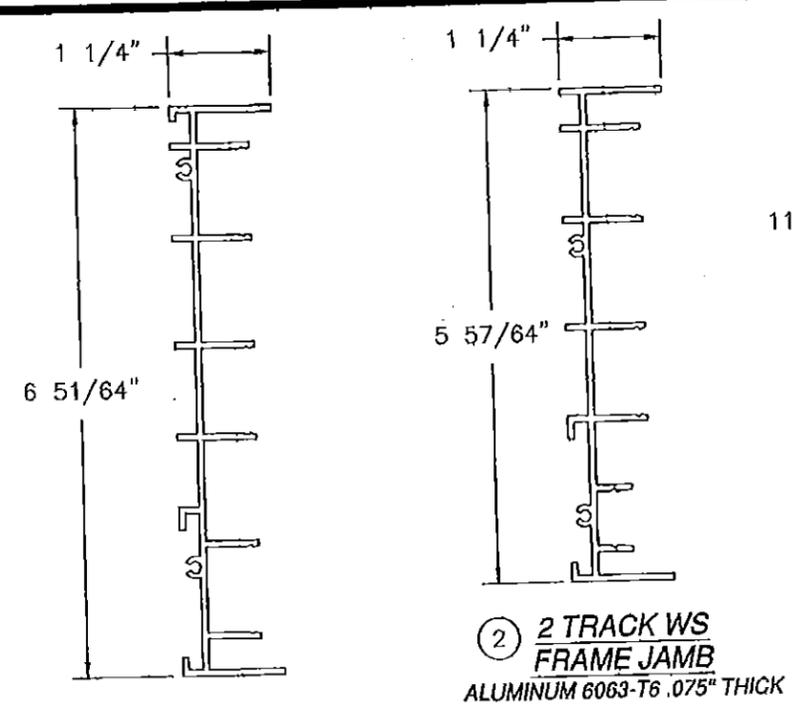
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8100 SERIES ALUMINUM SGD NON-IMPACT
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INSTALLATION DETAILS

DRAWN: TJH
DWG NO. 08-00943
SCALE NTS DATE 02/04/10 SHEET 23 OF 27
REV C

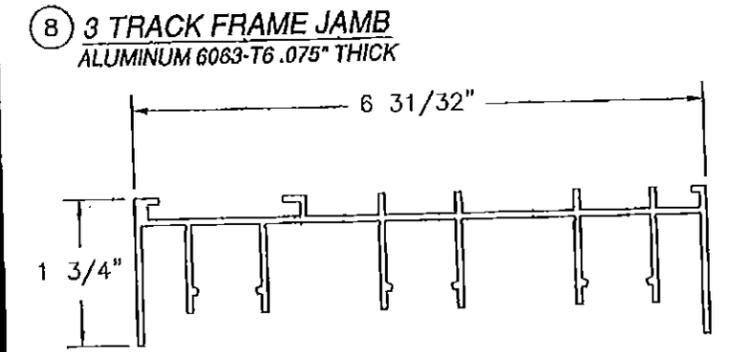


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
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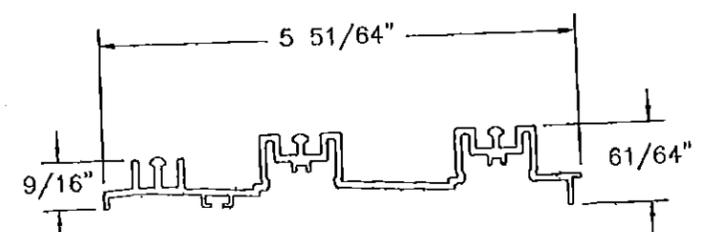


③ 2 TRACK NS/WS SILL PAN
ALUMINUM 6063-T6 .075" THICK

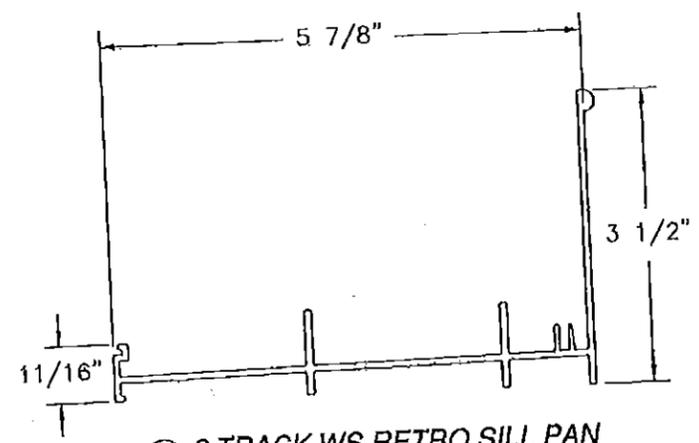
① 2 TRACK WS FRAME HEAD
ALUMINUM 6063-T6 .075" THICK



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

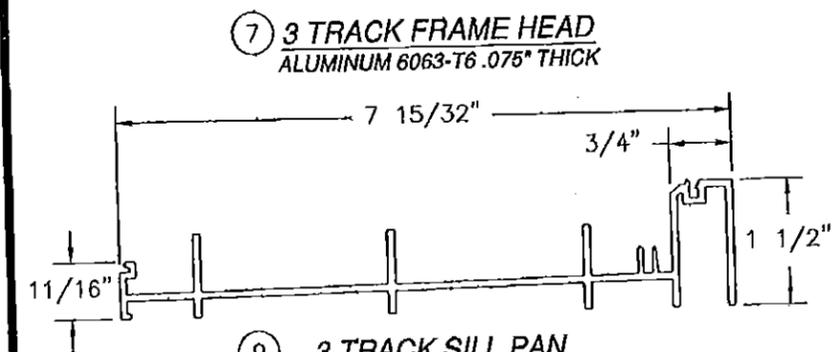


④ 2 TRACK WS SILL INSERT
ALUMINUM 6063-T6 .075" THICK

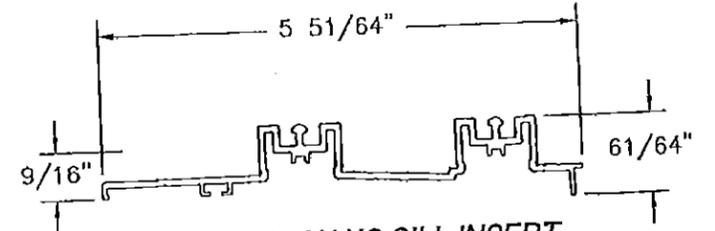


⑦ 2 TRACK WS RETRO SILL PAN
ALUMINUM 6063-T6 .075" THICK

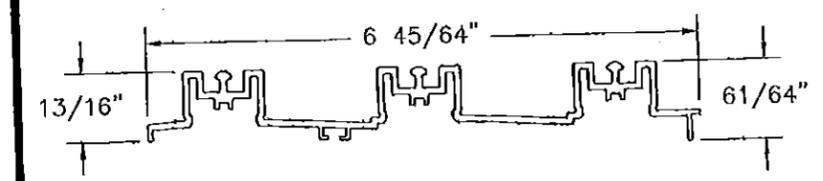
SIGNED: 03/15/2016



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



⑥ 2 TRACK NS SILL INSERT
ALUMINUM 6063-T6 .075" THICK



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

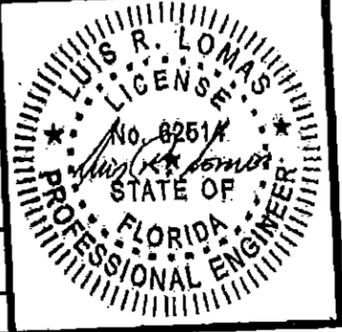
⑩ 3 TRACK SILL INSERT
ALUMINUM 6063-T6 .075" THICK

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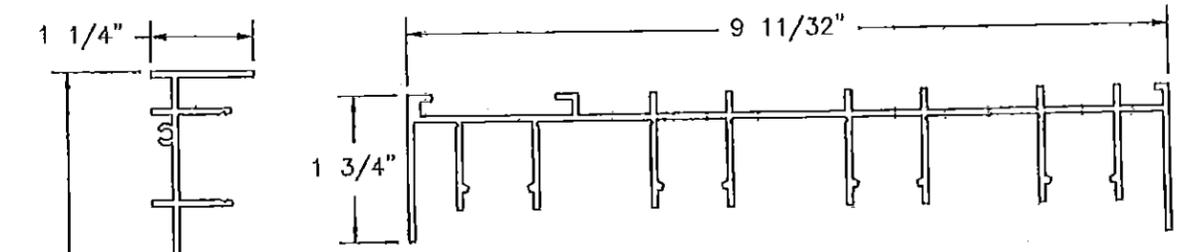
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8100 SERIES ALUMINUM SGD NON-IMPACT
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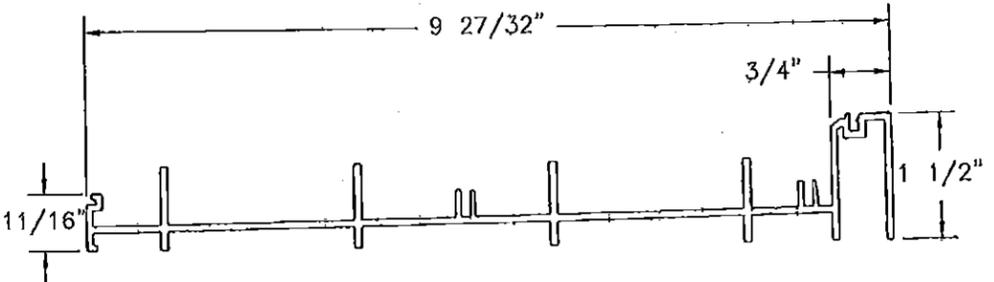
DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 24 OF 27



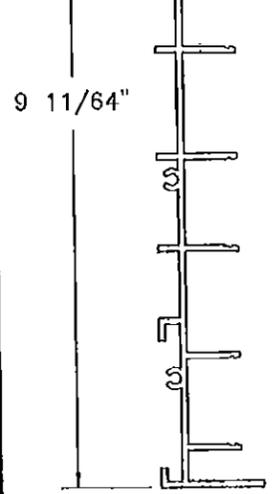
REVISIONS			
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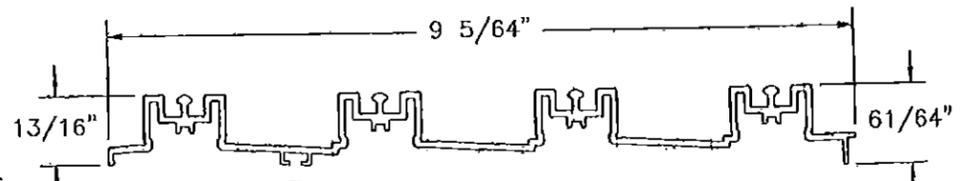
⑪ 4 TRACK FRAME HEAD
ALUMINUM 6063-T6 .075\" THICK



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



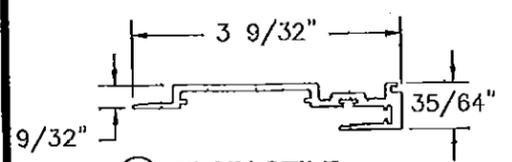
⑫ 4 TRACK FRAME JAMB
ALUMINUM 6063-T6 .075\" THICK



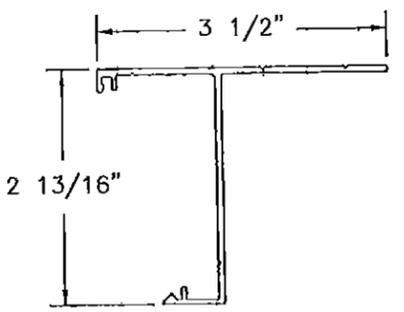
⑭ 4 TRACK SILL INSERT
ALUMINUM 6063-T6 .075\" THICK



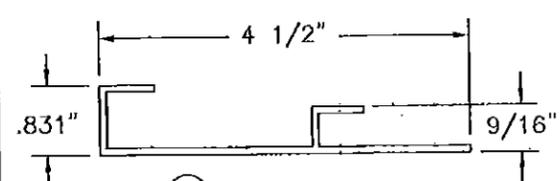
⑳ INTERLOCK SNAP COVER
ALUMINUM 6063-T6 .051\" THICK



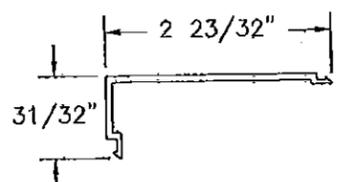
⑳ PLAIN STILE INTERLOCK
ALUMINUM 6063-T6 .075\" THICK



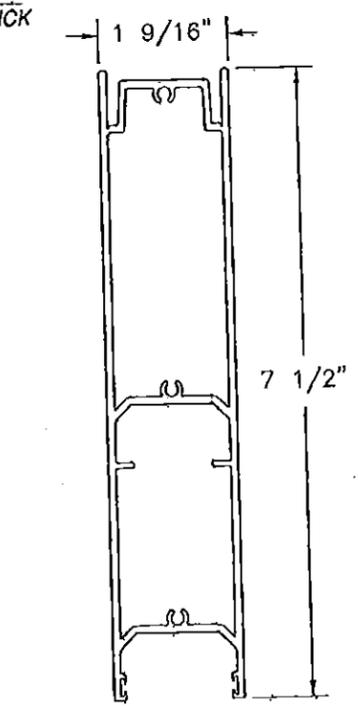
④① HOOK STRIP WALL MOUNT
ALUMINUM 6063-T6 .075\" THICK



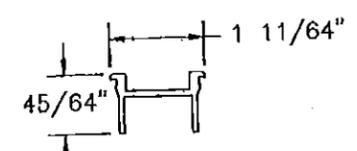
③⑧ HOOK STRIP
ALUMINUM 6063-T6 .080\" THICK



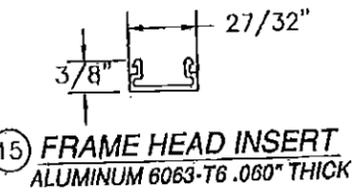
③⑨ HOOK STRIP WALL COVER
ALUMINUM 6063-T6 .075\" THICK



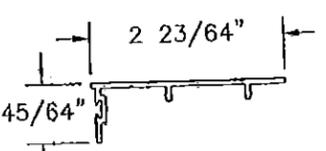
①⑨ TALL BOTTOM RAIL
ALUMINUM 6063-T6 .080\" THICK



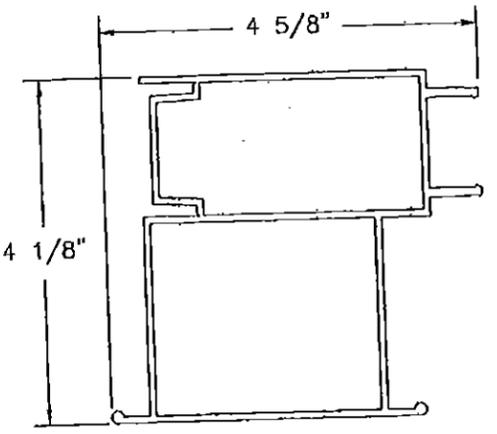
③② PANEL STILE JAMB INSERT
ALUMINUM 6063-T6 .075\" THICK



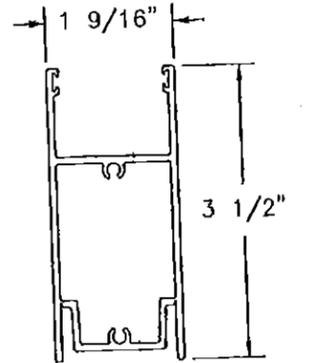
⑮ FRAME HEAD INSERT
ALUMINUM 6063-T6 .060\" THICK



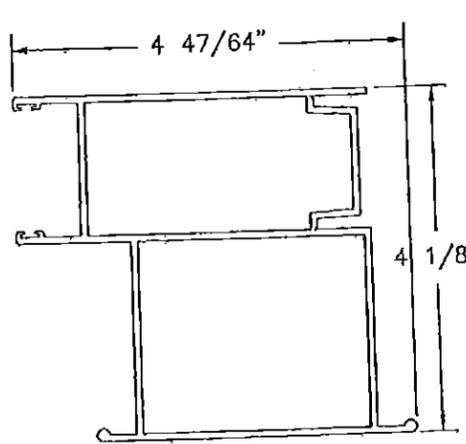
⑲ BUMPER JAMB INSERT
ALUMINUM 6063-T6 .060\" THICK



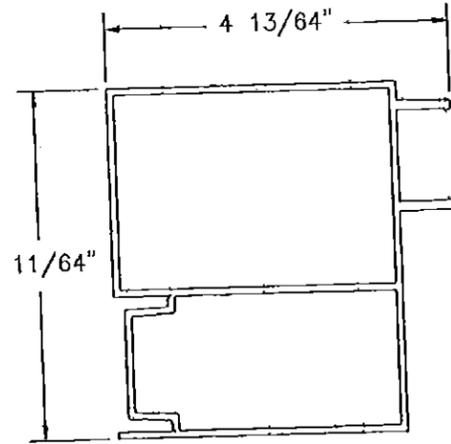
⑲ FEMALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080\" THICK



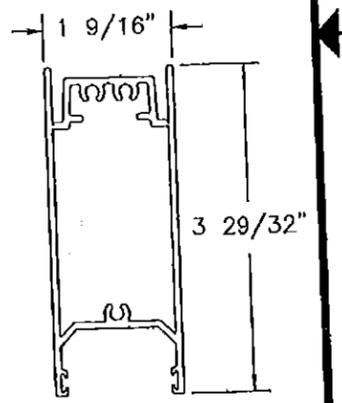
⑰ TOP RAIL
ALUMINUM 6063-T6 .080\" THICK



⑲ MALE BUTT STILE EXT. OFFSET
ALUMINUM 6063-T6 .080\" THICK



⑲ FEMALE BUTT STILE INT. OFFSET
ALUMINUM 6063-T6 .080\" THICK



⑱ BOTTOM RAIL
ALUMINUM 6063-T6 .080\" THICK

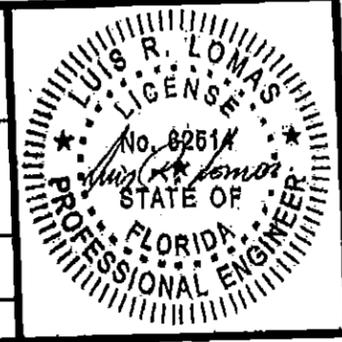
SIGNED: 03/15/2016

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Miami-Dade Product Control

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

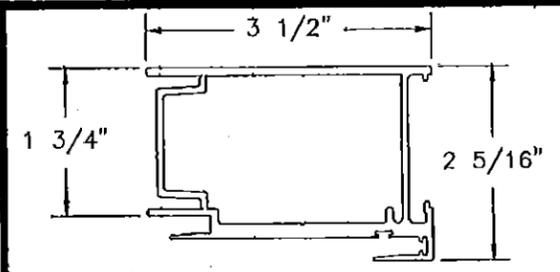
8100 SERIES ALUMINUM SGD NON-IMPACT
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DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 25 OF 27

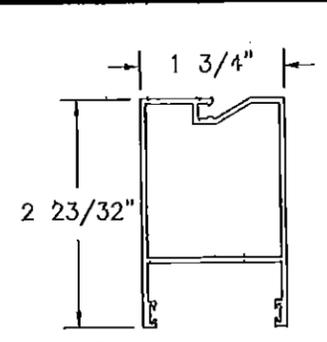


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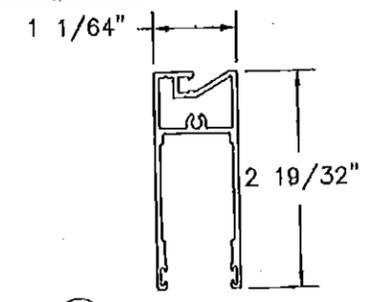
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C	ADDED ST AND WOOD CHARTS	06/15/15	R.L.



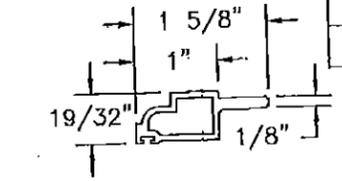
22 INTERLOCK STILE
ALUMINUM 6063-T6 .080" THICK



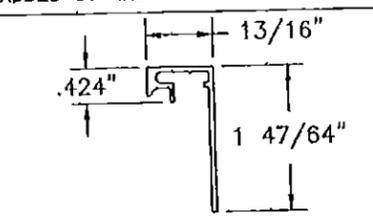
73 MT SCREEN STILE
ALUMINUM 6063-T6 .060" THICK



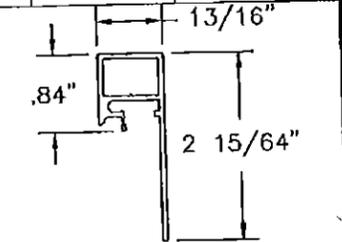
76 BOX SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .062" THICK



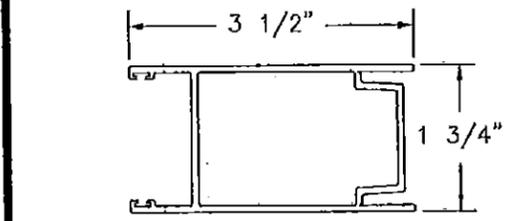
41 1/4" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



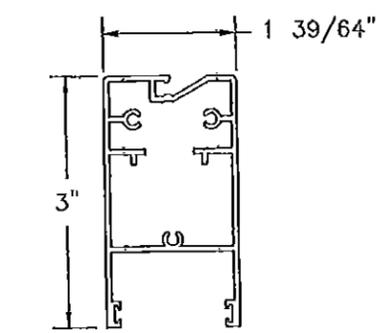
33 1 3/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



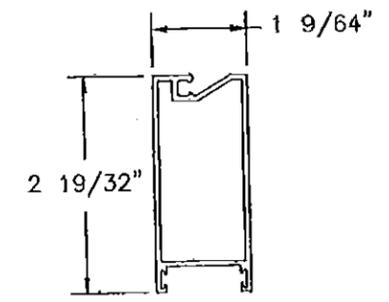
34 2 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



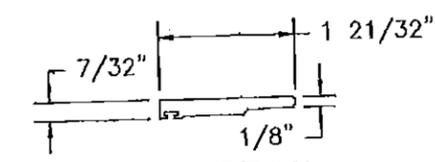
21 LOCK STILE
ALUMINUM 6063-T6 .080" THICK



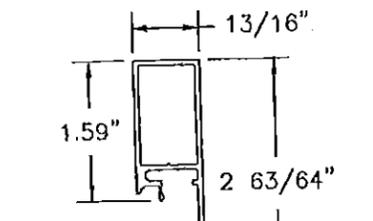
72 MT SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .060" THICK



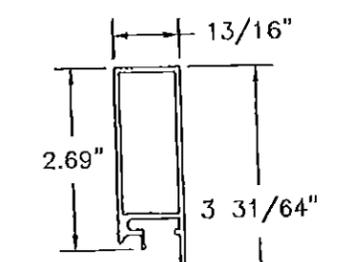
73 BOX SCREEN STILE
ALUMINUM 6063-T6 .062" THICK



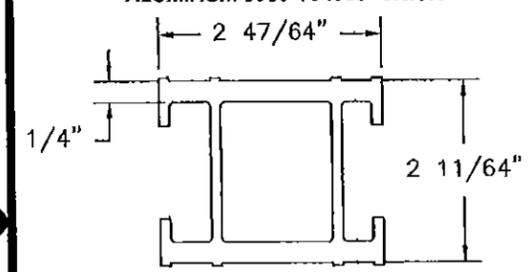
44 1" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



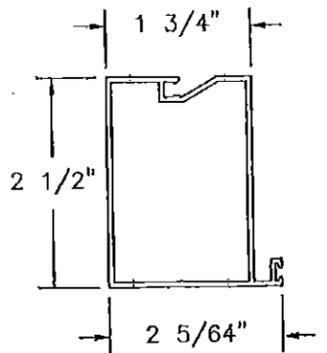
35 3" SILL RISER
ALUMINUM 6063-T6 .060" THICK



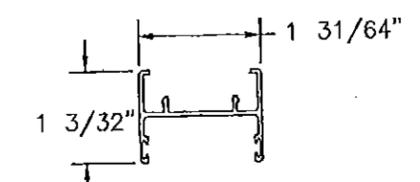
36 3 1/2" SILL RISER
ALUMINUM 6063-T6 .060" THICK



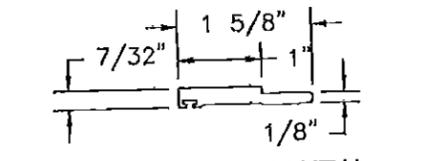
47 FEMALE BUTT STILE REINFORCING BAR
ALUMINUM 6005-T6 .125" THICK



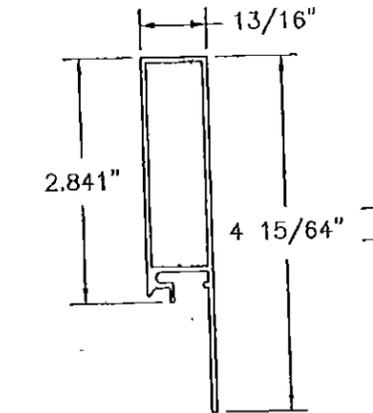
74 MT SCREEN STILE W/SEAL
ALUMINUM 6063-T6 .060" THICK



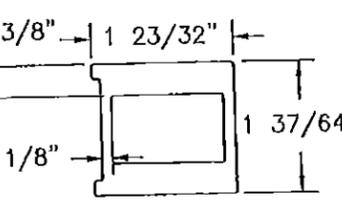
79 BOX SCREEN ASTRAGAL
ALUMINUM 6063-T6 .050" THICK



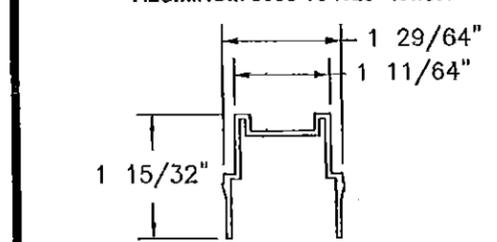
43 1" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



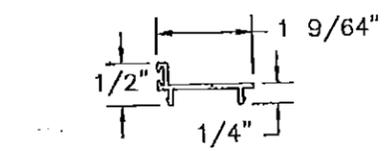
37 4 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



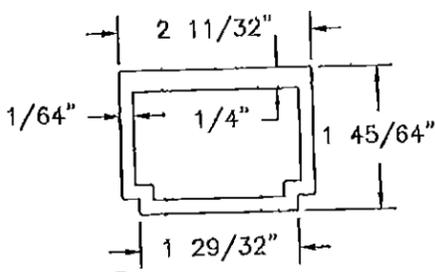
45 6000 BUTT STILE REINFORCING BAR
ALUMINUM 6061-T6 .375" THICK



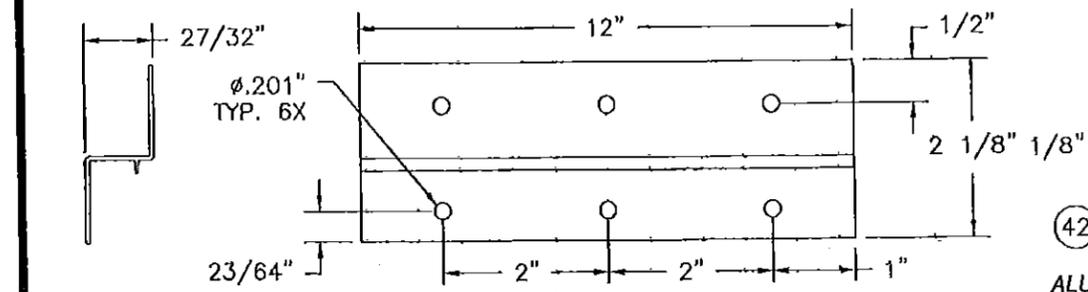
75 MT SCREEN ASTRAGAL
ALUMINUM 6063-T6 .060" THICK



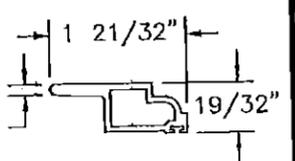
78 BOX SCREEN SWEEP
ALUMINUM 6063-T6 .060" THICK



46 INTERLOCK REINFORCING BAR
ALUMINUM 6005-T6 .168" THICK



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



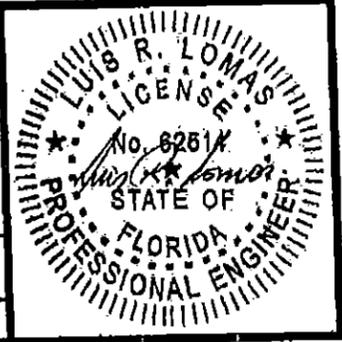
42 1/4" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 15-0723.13
Expiration Date 06/23/2021
By *[Signature]*
Miami-Dade Product Control

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

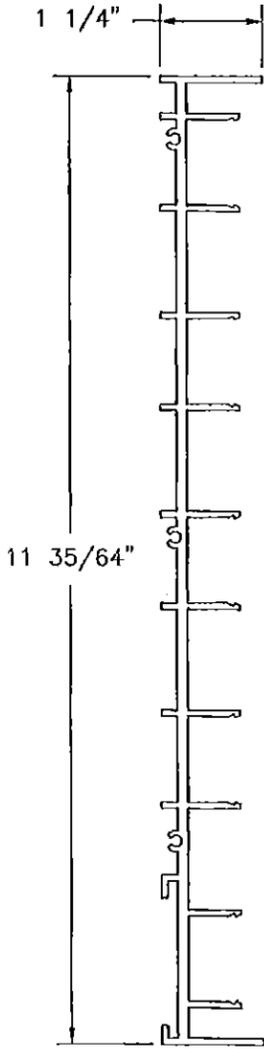
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED COMPONENTS

DRAWN: TJH
SCALE NTS
DATE 02/04/10
SHEET 26 OF 27
DWG NO. 08-00943
REV C

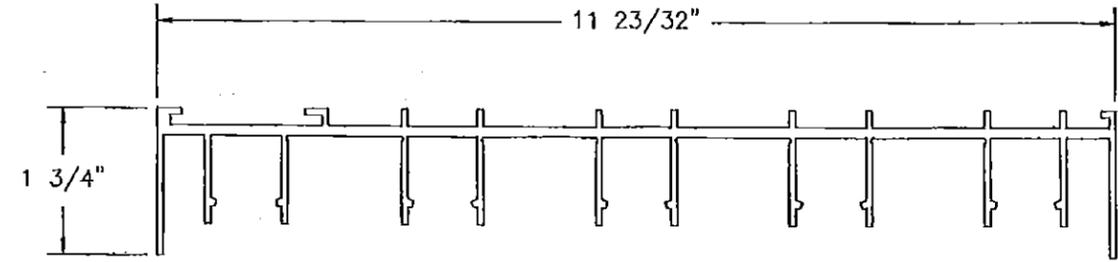


SIGNED: 03/15/2016

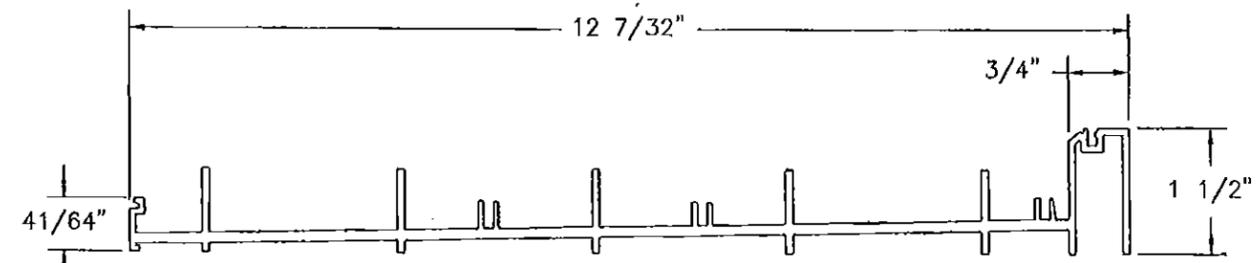
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.
C	ADDED 5T AND WOOD CHARTS	06/15/15	R.L.



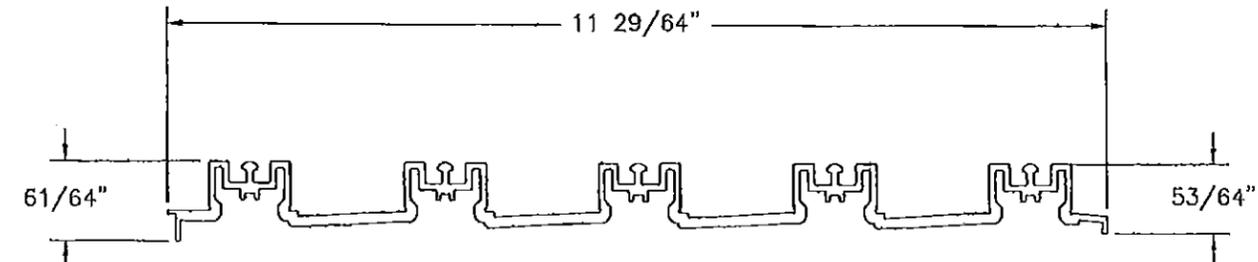
⑥ 5 TRACK FRAME JAMB
ALUMINUM 6063-T6 .075" THICK



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: 03/15/2016

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **15-0723.13**
Expiration Date **06/23/2021**
By *[Signature]*
Miami-Dade Product Control

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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
COMPONENTS

DRAWN: TJH	DWG NO. 08-00943	REV C
SCALE NTS	DATE 02/04/10	SHEET 27 OF 27

