

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 BNC -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. BNC 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 26 of 26, prepared by manufacturer, dated 02/04/10 and last revised on 03/11/2011, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None. Approved Hurricane Protection devices, complying w/ FBC are required.

Limitation:

1. See Design Pressures Vs sizes, reinforcements, sill adapters and glass types in sheets 1 through 7.
2. See anchors requirement in sheets 8 and 9. Two (2) anchors at each anchor location shown in sheets 8 & 9 at head, sill and jambs, except one (1) anchor at each pocket (hook-strips jamb) required. Door panels wider than 48" are limited to 98" high frame height.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and Series/Model and following statement: "Miami-Dade County Product Control Approved", as 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 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 10-0422.09

Expiration Date: June 23, 2016

Approval Date: June 23, 2011

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-00943**, titled "8100 Series Alum SGD, Non-Impact, Reinforced & Non-reinforced", sheets 1 through 26 of 26, prepared by manufacturer, dated 02/04/10 and last revised on 03/11/2011, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc, Test Report No. **NCTL-210-3570-1** and **NCTL-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: This test reports have addendum letters dated 08/16/10, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.)

C. CALCULATIONS

1. Anchor verification calculations, structural & comparative analysis, complying with FBC-2007, dated 04/19/2010 and last revised on 09/02/10, prepared, signed and sealed by Luis R. Lomas, P.E.,
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

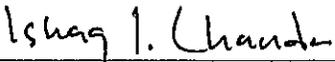
1. None

F. STATEMENTS

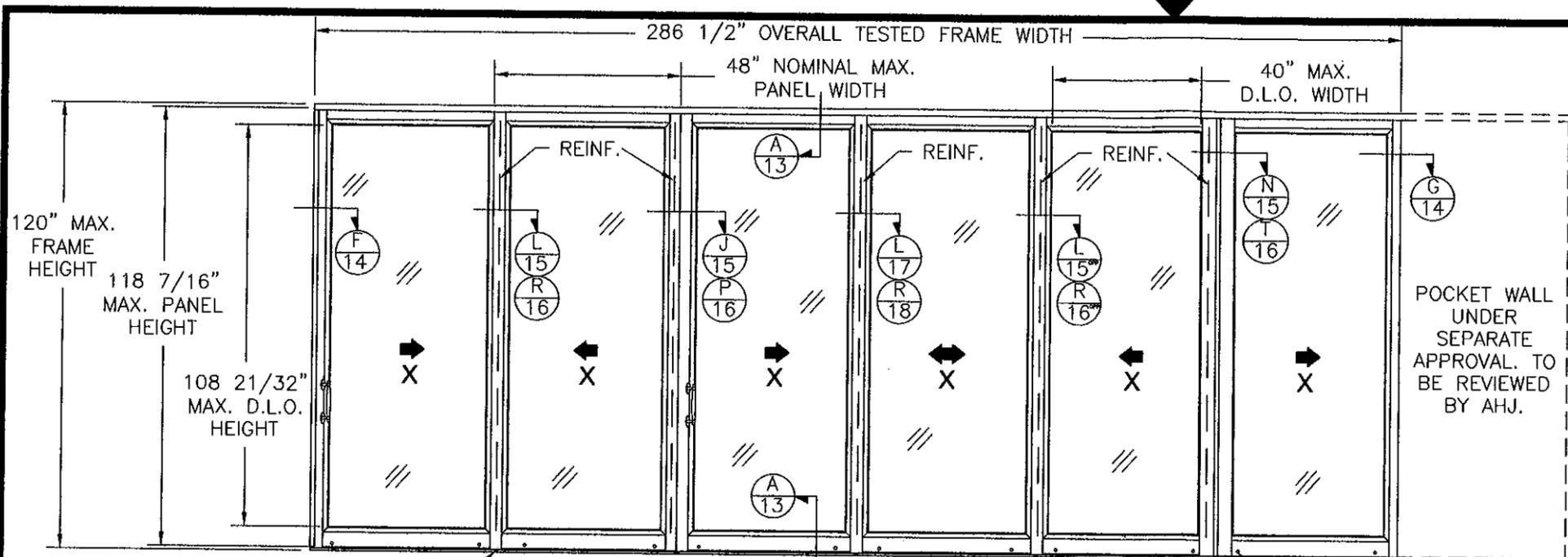
1. Statement letters of conformance and "No financial interest" and Product has not changed, dated April 19, 2010, signed and sealed by Luis R. Lomas, P.E.
2. Test lab compliance statement, part of the above referenced reports.
3. Statement addendum letters dated 08/16/10, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J, Ferrara, P.E.

G. OTHER

1. Test Proposals # **07-3147**, dated Feb. 07, 2008 approved by BCCO.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 10-0422.09
Expiration Date: June 23, 2016
Approval Date: June 23, 2011



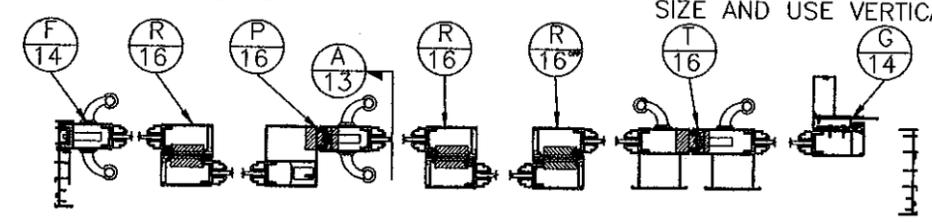
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 - 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/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 OR 4 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS.

8100 SERIES 4'0 x 10'0 NON-IMPACT SGD
TYPICAL ELEVATION EXTERIOR VIEW

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

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

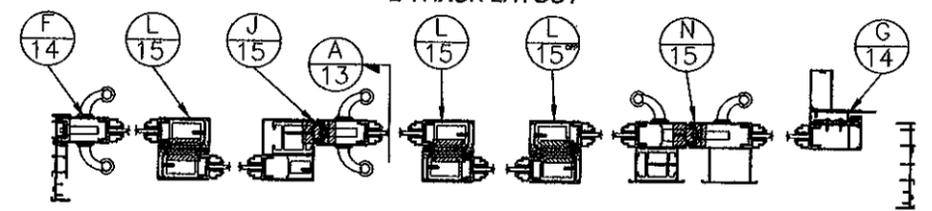


NON-REINFORCED WITH SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

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



REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

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

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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11 - 12	BILL OF MATERIALS AND GLAZING DETAILS
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20 - 23	INSTALLATION DETAILS
24 - 26	COMPONENTS

Approved as complying with the Florida Building Code
 Date: JUNE 23, 2011
 NOA# 10-0422-09
 Miami Dade Product Control
 By: Shag J. Chandra

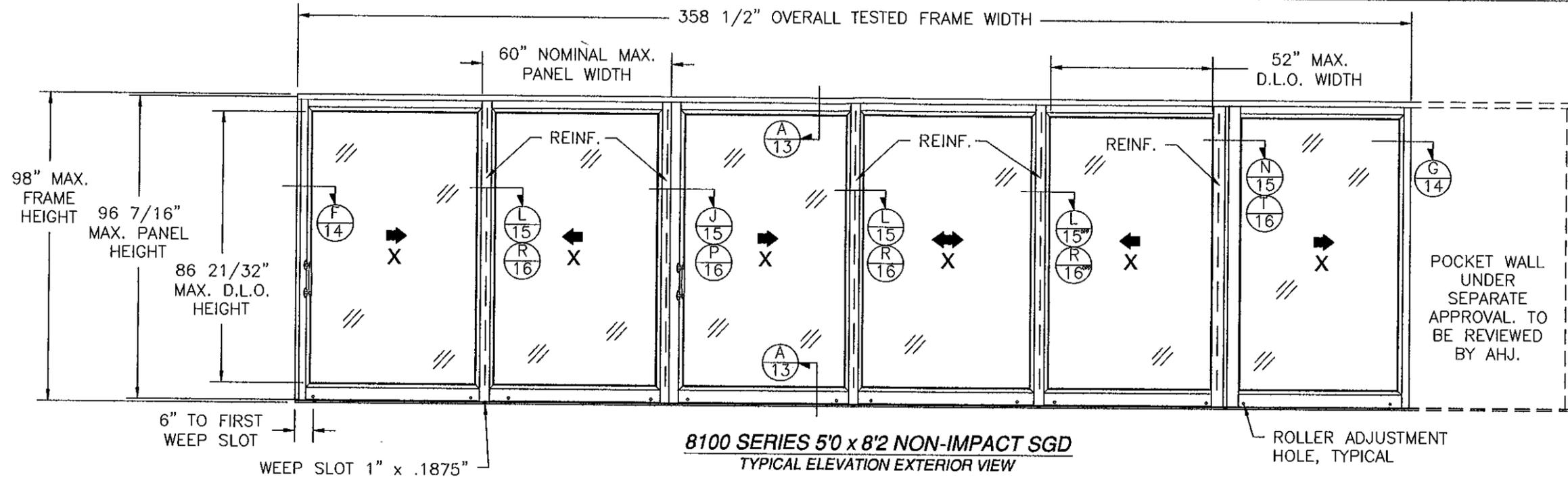
WinDoor INCORPORATED
 7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0505
 www.windoorinc.com

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

DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 1 OF 26

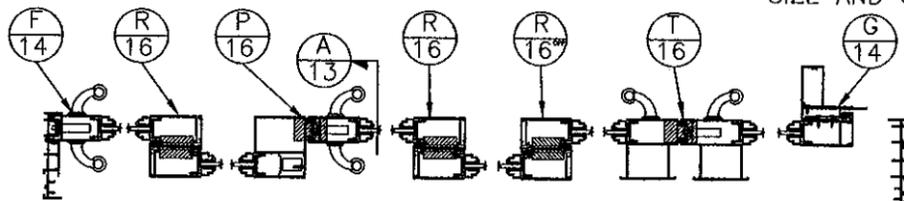
Lujs R. Lomas
 3/1/11
 Lujs R. Lomas P.E.
 Florida No. 62514

REVISIONS			
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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.



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.

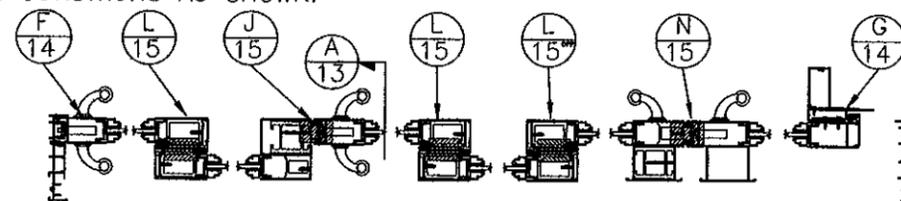


8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
2 TRACK LAYOUT

NON-REINFORCED WITH SILL RISER ITEM #35

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7



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

REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

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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 Miami Dade Product Control
 By: Ishag J. Chand

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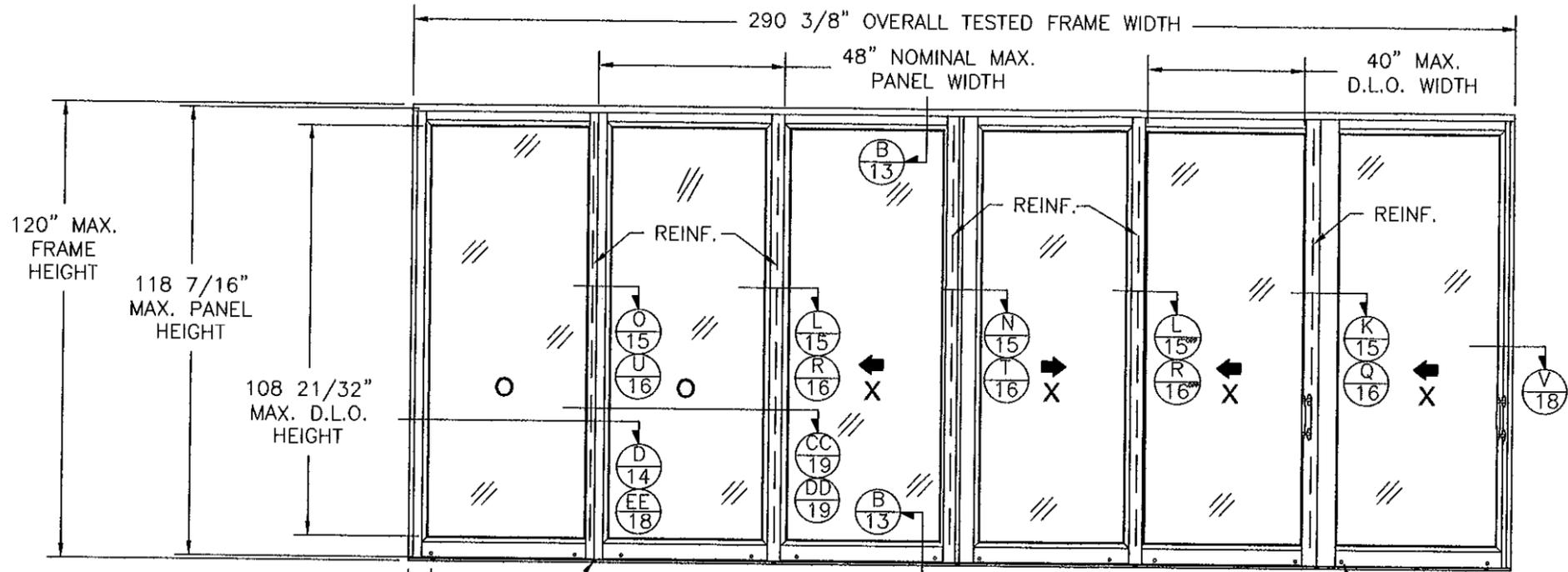
8100 SERIES ALUMINUM SGD NON-IMPACT
 REINFORCED & NON-REINFORCED
 5'0 x 8'2 PANELS 2TRACK ELEVATION

DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 2 OF 26

Luis R. Lomas
 3/1/11
 Luis R. Lomas P.E.
 Florida No. 62514

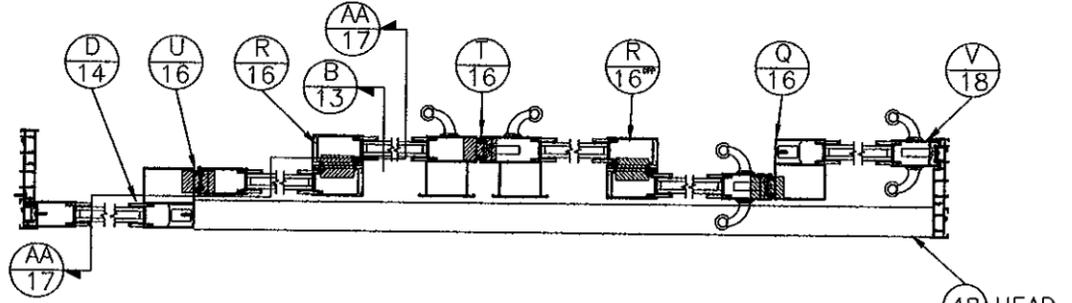
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8100 SERIES 4'0 x 10'0 NON-IMPACT SGD
TYPICAL ELEVATION EXTERIOR VIEW

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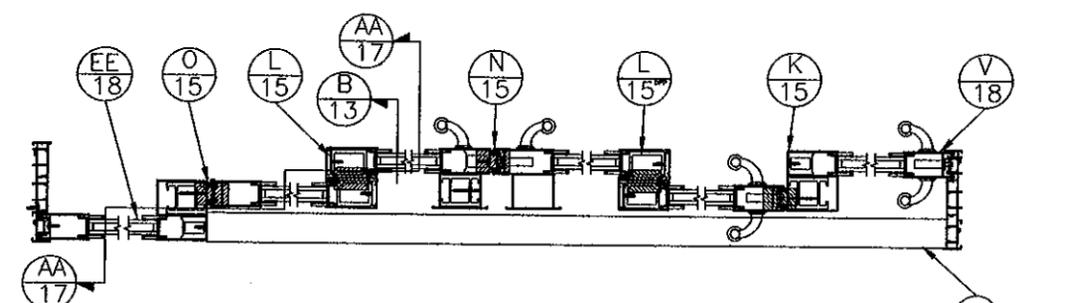


8100 SERIES 4'0 x 10'0 NON-IMPACT NON-REINFORCED SGD
3 TRACK LAYOUT

NON-REINFORCED WITH SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7



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

REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

Approved as complying with the Florida Building Code
Date: JUNE 23, 2011
NOA# 10-0422-09
Miami Dade Product Control
By: *Shag I. Chanda*

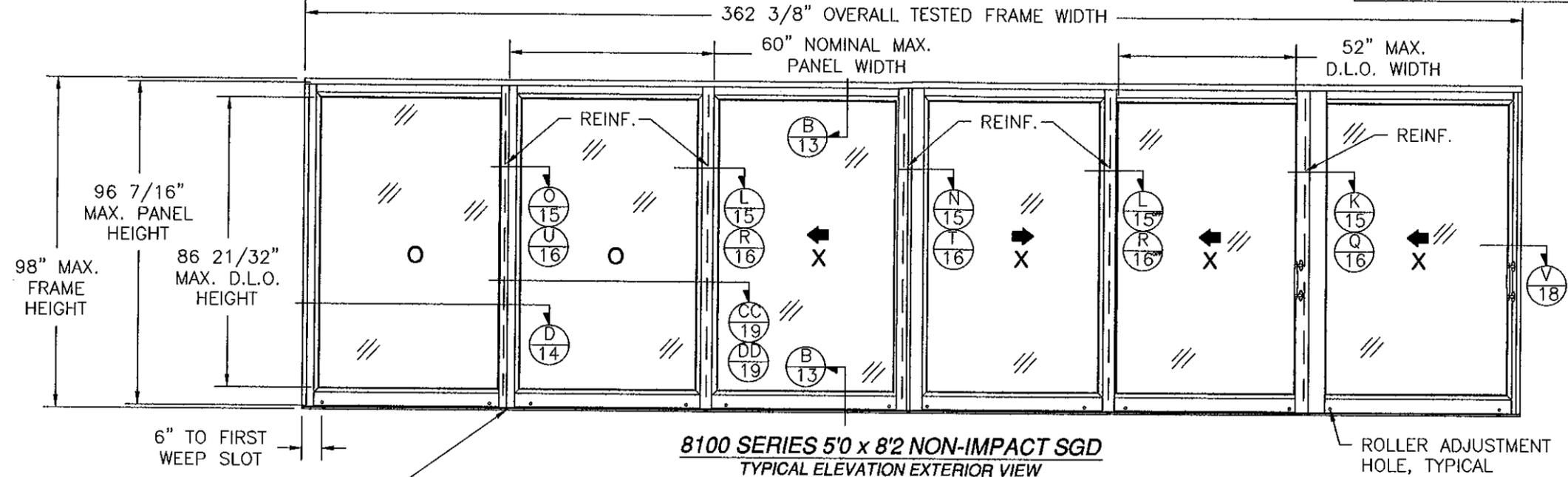
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
4'0 x 10'0 PANELS 3TRACK ELEVATION

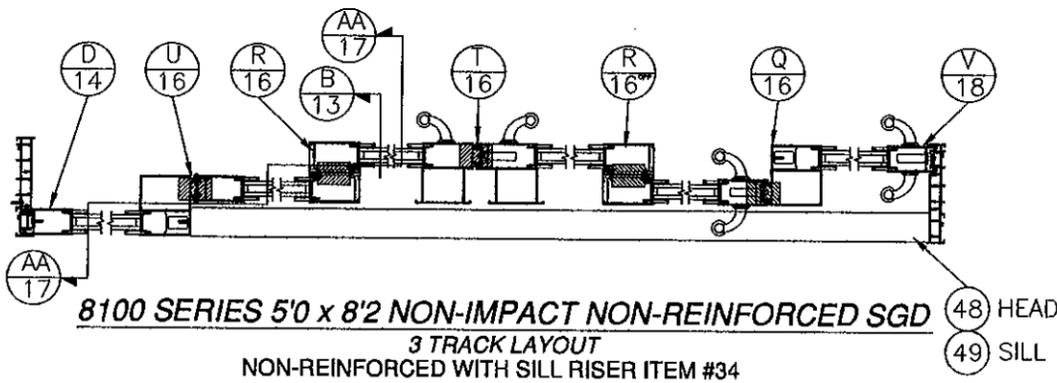
DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 3 OF 26

Luis R. Lomas
3/1/11
Luis R. Lomas, P.E.
Florida No. 62514

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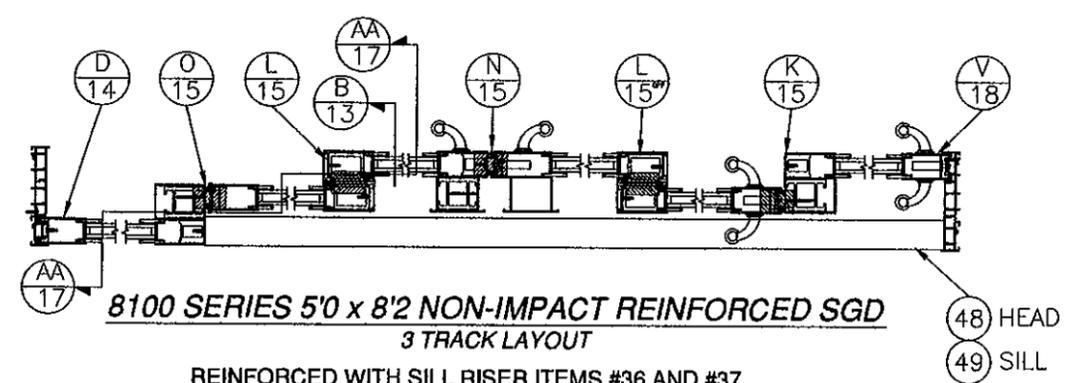
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8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
3 TRACK LAYOUT
NON-REINFORCED WITH SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7



8100 SERIES 5'0 x 8'2 NON-IMPACT REINFORCED SGD
3 TRACK LAYOUT
REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

Approved as complying with the Florida Building Code
Date June 23, 2011
NOAC 10-0422-09
Miami Dade Product Control
By Ismael L. Llanusa

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INCORPORATED

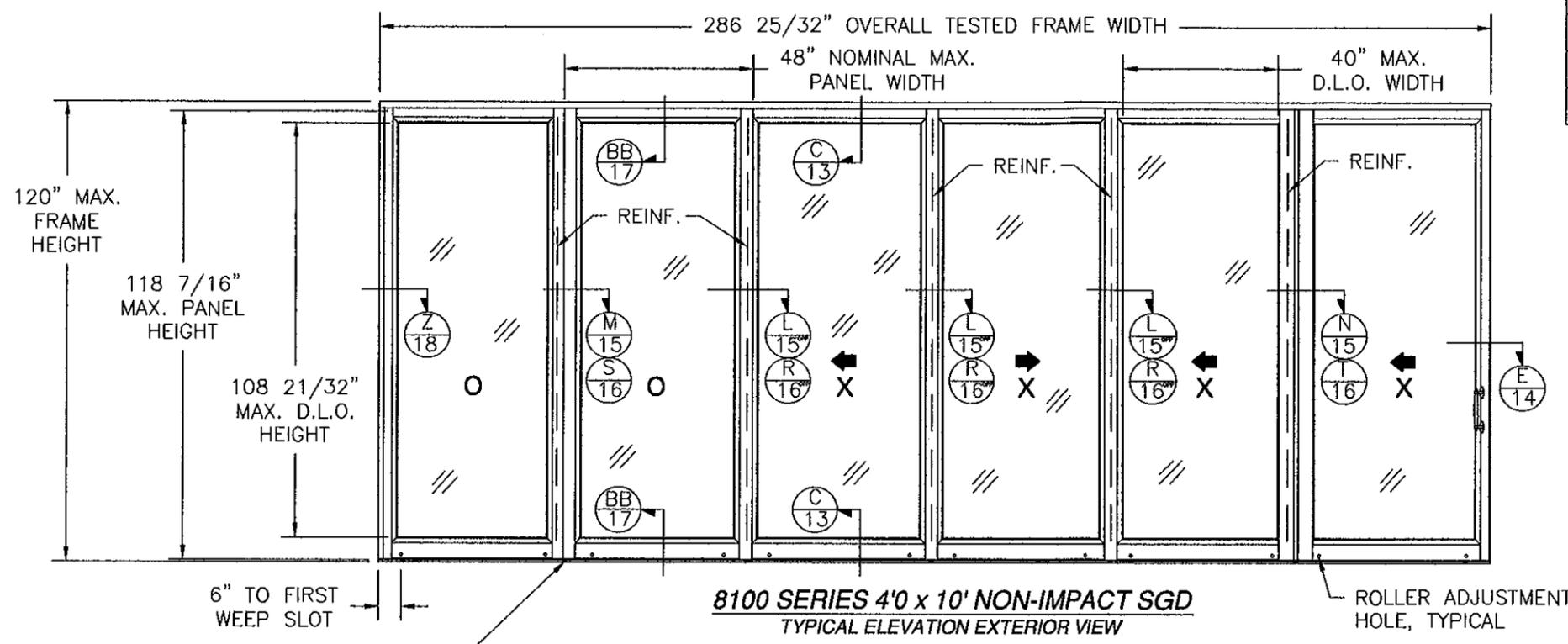
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
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DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 4 OF 26

Luis R. Lomas
3/1/11
STAT OF
Luis R. Lomas, P.E.
Florida No. 62514

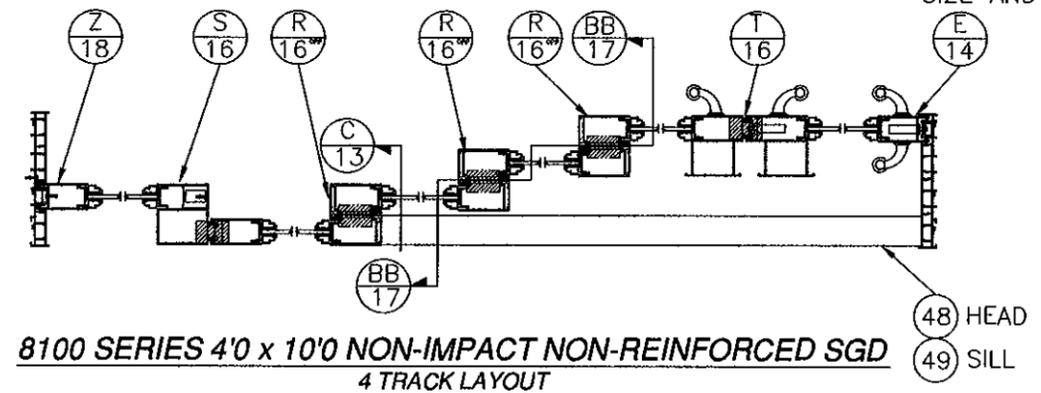
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6" TO FIRST WEEP SLOT

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

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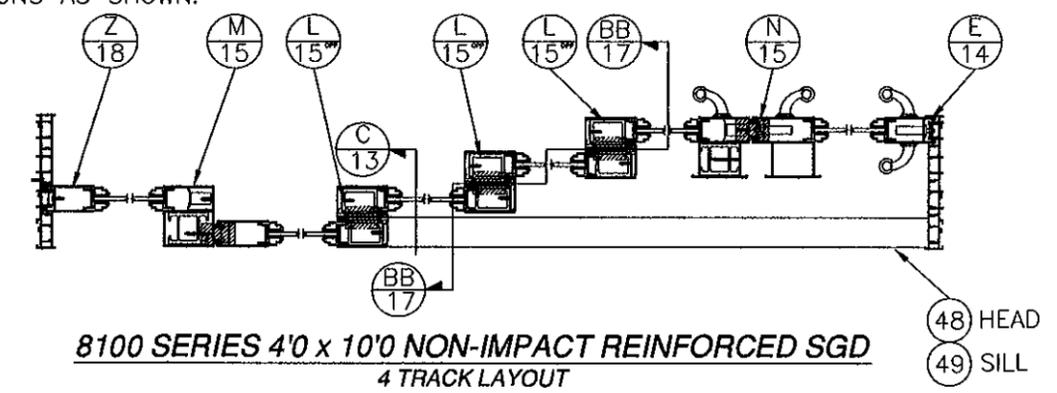


8100 SERIES 4'0 x 10'0 NON-IMPACT NON-REINFORCED SGD
4 TRACK LAYOUT

NON-REINFORCED WITH SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7



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

REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

Approved as complying with the Florida Building Code
 Date JUNE 23, 2011
 NOA# 10-0422-03
 Miami Dade Product Control
 By Ismael Chant

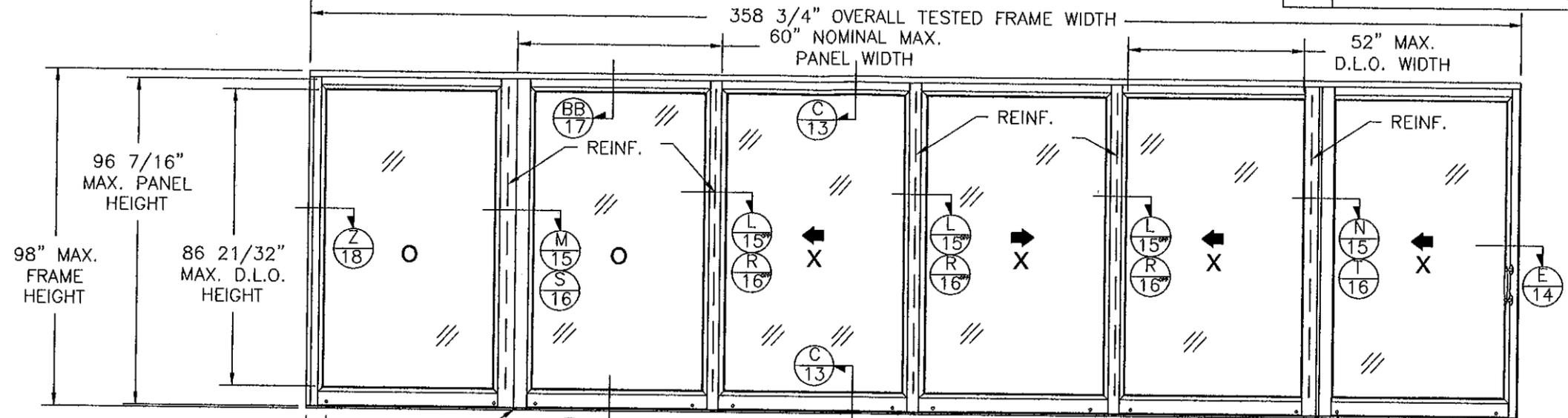
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8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 4'0 x 10'0 PANELS 4TRACK ELEVATION

DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 5 OF 26

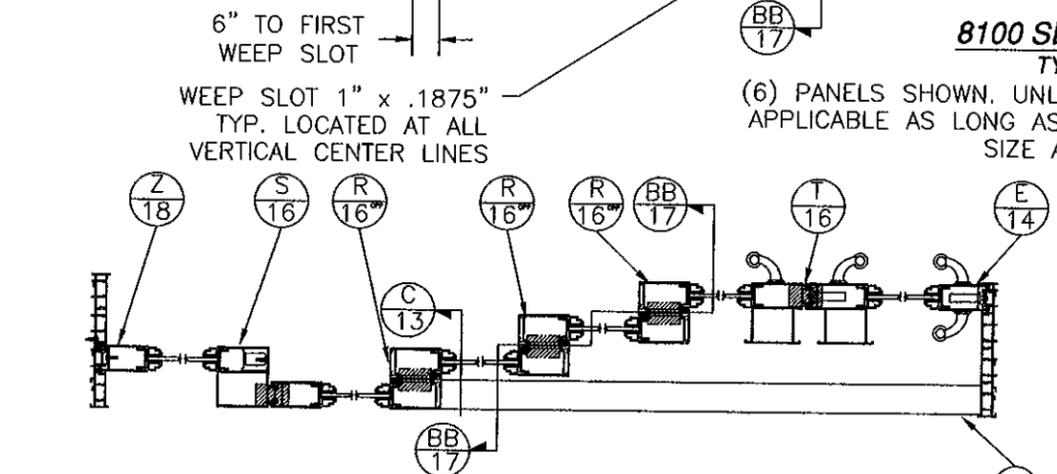
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 11/3/11
 STATE OF FLORIDA
 Luis R. Lomas P.E.
 Florida No. 62514

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

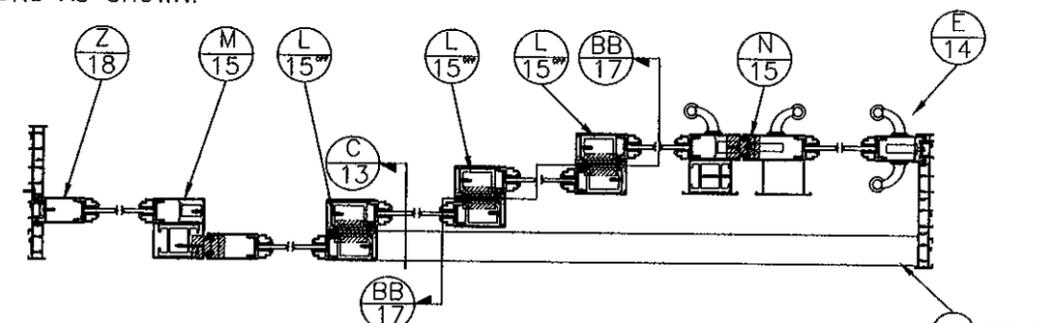
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8100 SERIES 5'0 x 8'2 NON-IMPACT NON-REINFORCED SGD
4 TRACK LAYOUT
NON-REINFORCED WITH SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	NONE

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8100 SERIES 5'0 x 8'2 NON-IMPACT REINFORCED SGD
4 TRACK LAYOUT
REINFORCED WITH SILL RISER ITEMS #36 AND #37

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	NONE

FOR ADDITIONAL SIZES SEE CHARTS SHEET 7

<p>Approved as complying with the Florida Building Code Date <u>JUNE 23, 2011</u> NOA# <u>10-0422.05</u> Miami Dade Product Control By <u>Ishag L. Choudhury</u></p>	<p>WinDoor INCORPORATED</p> <p>7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com</p>	<p><i>Luis R. Lomas</i> 12/10/10 STATE OF Luis R. Lomas P.E. Florida No. 62514</p>	
	<p>8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED 5'0 x 8'2 PANELS 4TRACK ELEVATION</p>		
	<p>DRAWN: TJH SCALE NTS</p>		<p>DWG NO. 08-00943 DATE 02/04/10</p>

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NON-REINFORCED UNITS

Maximum design pressure capacity chart (PSF)

8100 Series Aluminum Non-Impact Non-Reinforced SGD with 1 3/4" Sill Riser & 2T Retro Sill, Item 70

Height (in)	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	71.3	45.0	68.0
84.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	66.3	45.0	63.0
96.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	73.1	45.0	66.7	45.0	54.8	45.0	51.5
98.0	45.0	75.0	45.0	75.0	45.0	75.0	45.0	71.2	45.0	64.9	45.0	53.2	45.0	50.0
108.0	45.0	75.0	45.0	75.0	45.0	71.1	45.0	63.1	45.0	57.1	-	-	-	-
114.0	45.0	75.0	45.0	75.0	45.0	66.7	45.0	59.0	45.0	53.3	-	-	-	-
120.0	45.0	75.0	45.0	73.1	45.0	62.7	45.0	55.4	45.0	50.0	-	-	-	-

Maximum design pressure capacity chart (PSF)

8100 Series Aluminum Non-Impact Non-Reinforced SGD with 2 1/4" Sill Riser & 2T Retro Sill, item 70

Height (in)	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	-	-	-	-
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	-	-	-	-

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"

REINFORCED UNITS

Maximum design pressure capacity chart (PSF)

8100 Series Aluminum Non-Impact Reinforced SGD with 3" Sill Riser & 2T Retro Sill, item 70

Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	142.6	80.0	136.0
84.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	132.6	80.0	125.9
96.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	146.3	80.0	133.3	80.0	109.5	80.0	103.0
98.0	80.0	150.0	80.0	150.0	80.0	150.0	80.0	142.5	80.0	129.7	80.0	106.4	80.0	100.0
108.0	80.0	150.0	80.0	150.0	80.0	142.2	80.0	126.1	80.0	114.3	-	-	-	-
114.0	80.0	150.0	80.0	150.0	80.0	133.3	80.0	118.0	80.0	106.7	-	-	-	-
120.0	80.0	150.0	80.0	146.3	80.0	125.5	80.0	110.8	80.0	100.0	-	-	-	-

Maximum design pressure capacity chart (PSF)

8100 Series Aluminum Non-Impact Reinforced SGD with 3 1/2" Sill Riser & 2T Retro Sill, Item 70

Height (in)	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	-	-	-	-
114.0	100.0	150.0	100.0	150.0	100.0	133.3	100.0	118.0	100.0	106.7	-	-	-	-
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)

8100 Series Aluminum Non-Impact Reinforced SGD with 4 1/4" Sill Riser

Height (in)	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	-	-	-	-
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	-	-	-	-

Approved as complying with the Florida Building Code
 Date: JUNE 23, 2011
 NOA# 10-0422-05
 Miami Dade Product Control
 By: Ishag I. Chaudhry

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

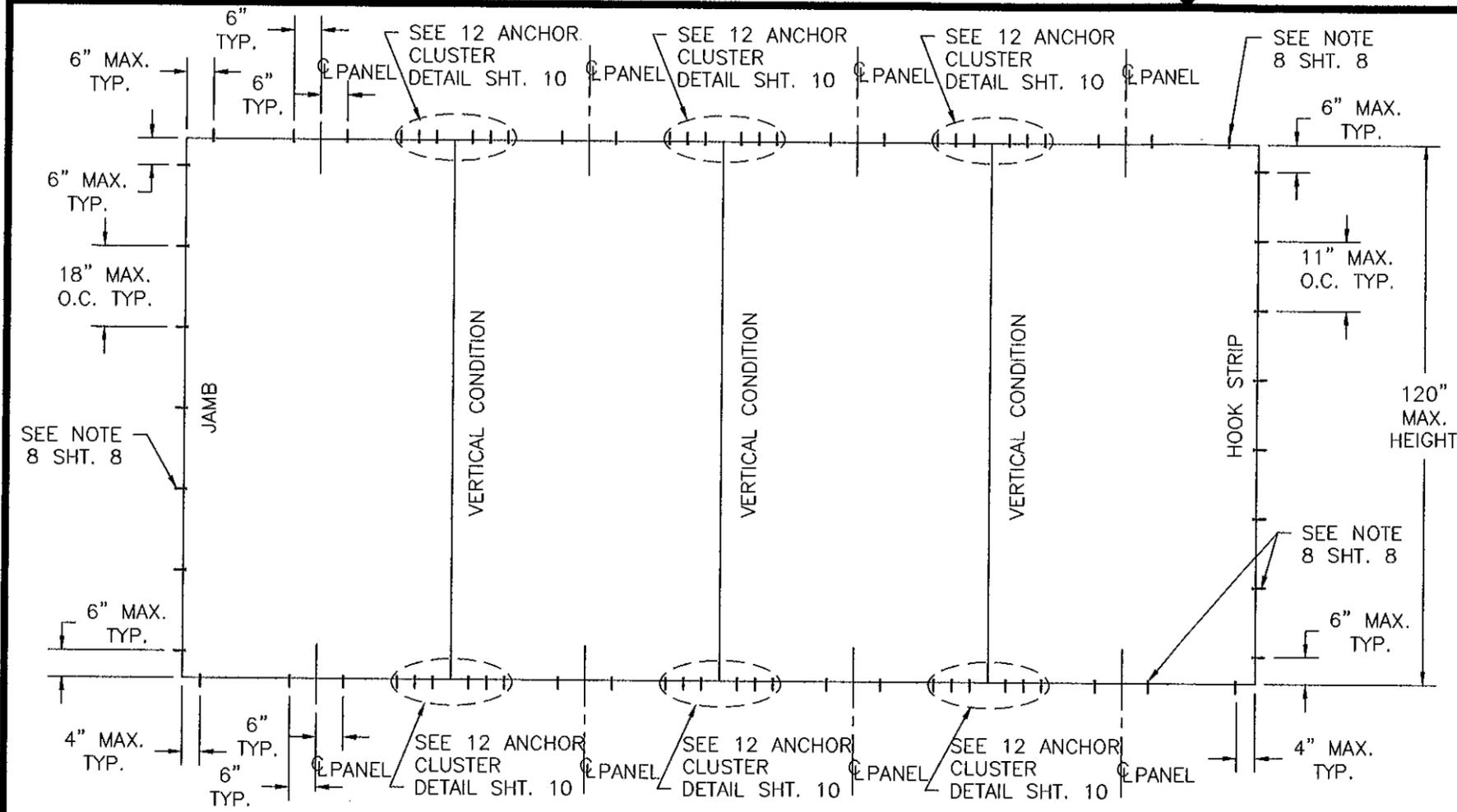
8100 SERIES ALUMINUM SGD NON-IMPACT
 REINFORCED & NON-REINFORCED
 DESIGN PRESSURE CHARTS

DRAWN: TJH
 DWG NO. 08-00943
 REV B
 SCALE NTS DATE 02/04/10 SHEET 7 OF 26

Luis R. Lomas
 3/1/11

Luis R. Lomas P.E.
 Florida No. 62514

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.



4'0 x 10'0 ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
4-PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

NUMBER OF ANCHOR LOCATIONS AT HOOKSTRIP

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	-	-
114.0	11	11	11	11	11	-	-
120.0	11	11	11	11	11	-	-

NUMBER OF ANCHOR LOCATIONS AT JAMBS

Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	5	5	5	5	5	5	5
84.0	5	5	5	5	5	5	5
96.0	6	6	6	6	6	6	6
98.0	6	6	6	6	6	6	6
108.0	7	7	7	7	7	-	-
114.0	7	7	7	7	7	-	-
120.0	7	7	7	7	7	-	-

ANCHORING NOTES:

- 1) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
- 2) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
- 3) FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 5) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
- 6) ALL FASTENERS TO BE CORROSION RESISTANT.
- 7) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING.
- 8) THERE ARE TWO (2) INSTALLATION ANCHORS AT EACH ANCHOR LOCATION IN HEAD, SILL AND JAMBS. THERE IS ONLY ONE (1) INSTALLATION ANCHOR AT EACH ANCHOR LOCATION IN HOOK STRIP.

Approved as complying with the Florida Building Code
Date: JUNE 23, 2011
BY: 10-0122-09
Official State Product Control
Luis R. Lomas

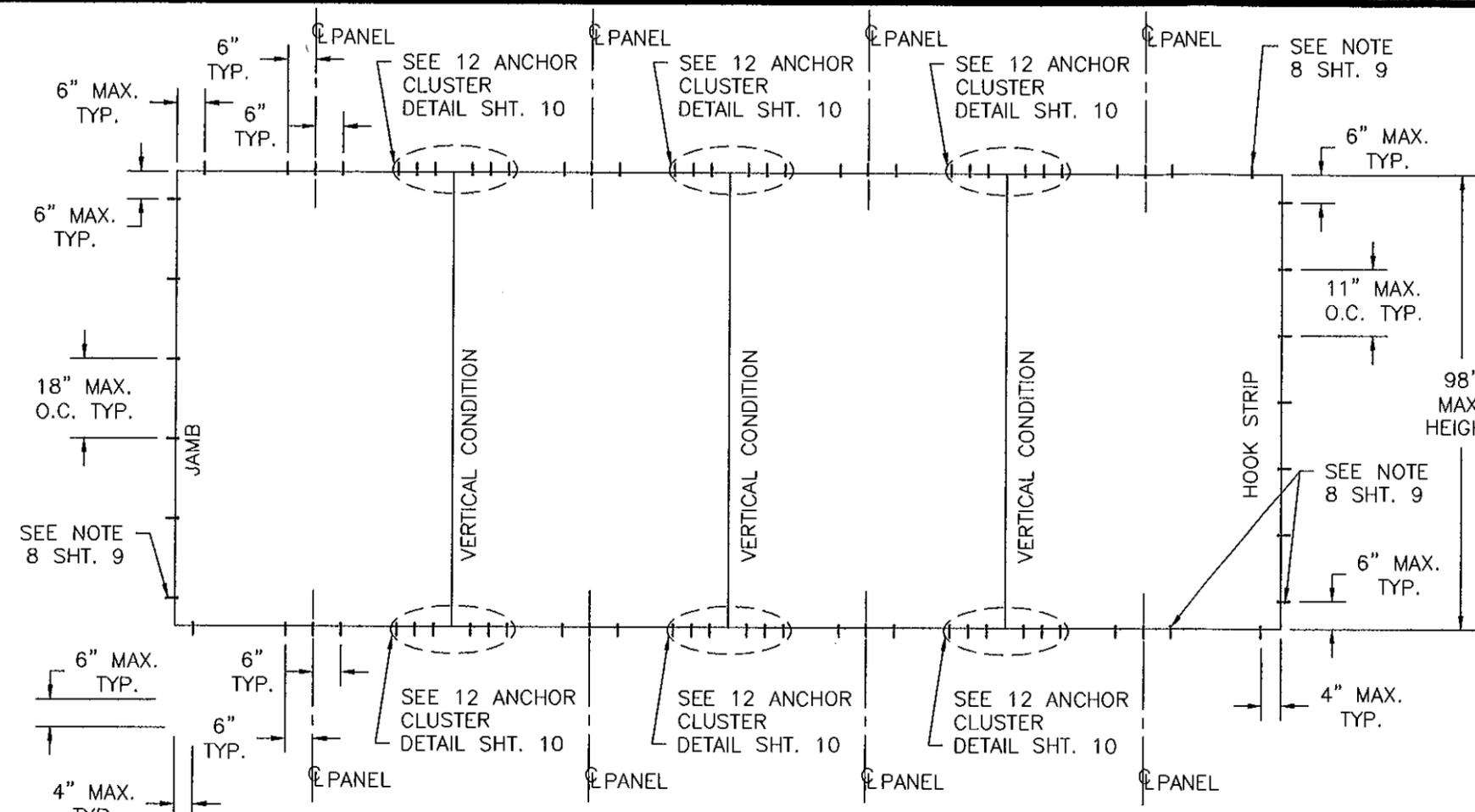
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

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

DRAWN: TJH
DWG NO. 08-00943
SCALE NTS
DATE 02/04/10
SHEET 8 OF 26

Luis R. Lomas
3/1/11
Luis R. Lomas P.E.
Florida No. 62514

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.



5'0 x 8'2 ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
 4-PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

ANCHORING NOTES:

- 1) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
- 2) ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
- 3) FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 4) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 5) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
- 6) ALL FASTENERS TO BE CORROSION RESISTANT.
- 7) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING.
- 8) THERE ARE TWO (2) INSTALLATION ANCHORS AT EACH ANCHOR LOCATION IN HEAD, SILL AND JAMBS. THERE IS ONLY ONE (1) INSTALLATION ANCHOR AT EACH ANCHOR LOCATION IN HOOK STRIP.

NUMBER OF ANCHOR LOCATIONS AT HOOKSTRIP

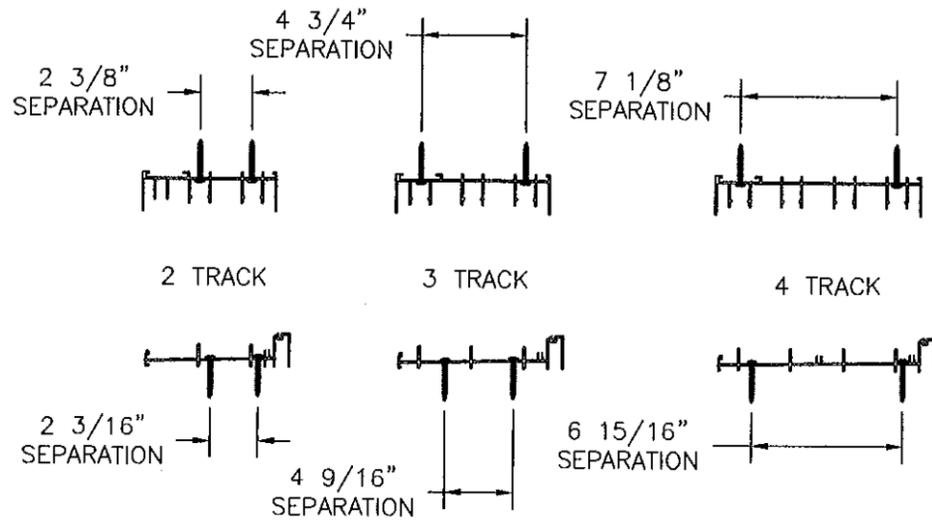
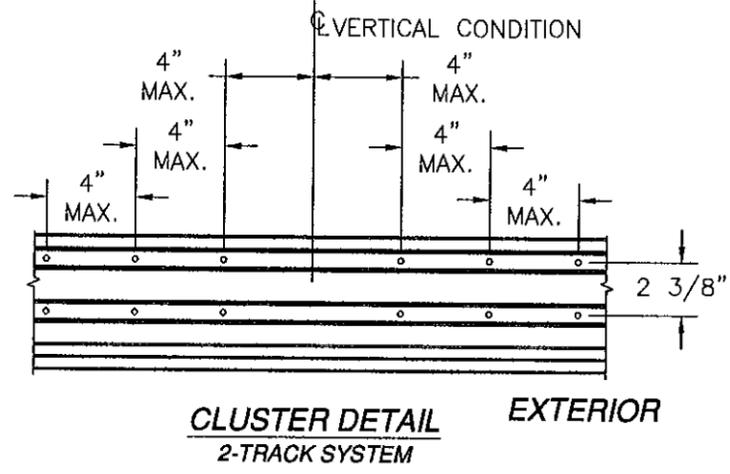
Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	8	8	8	8	8	8	8
84.0	8	8	8	8	8	8	8
96.0	9	9	9	9	9	9	9
98.0	9	9	9	9	9	9	9
108.0	10	10	10	10	10	-	-
114.0	11	11	11	11	11	-	-
120.0	11	11	11	11	11	-	-

NUMBER OF ANCHOR LOCATIONS AT JAMBS

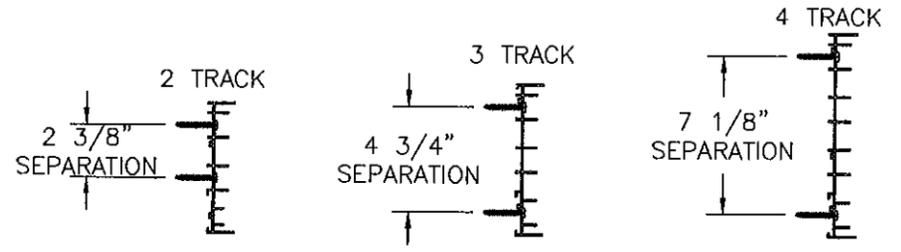
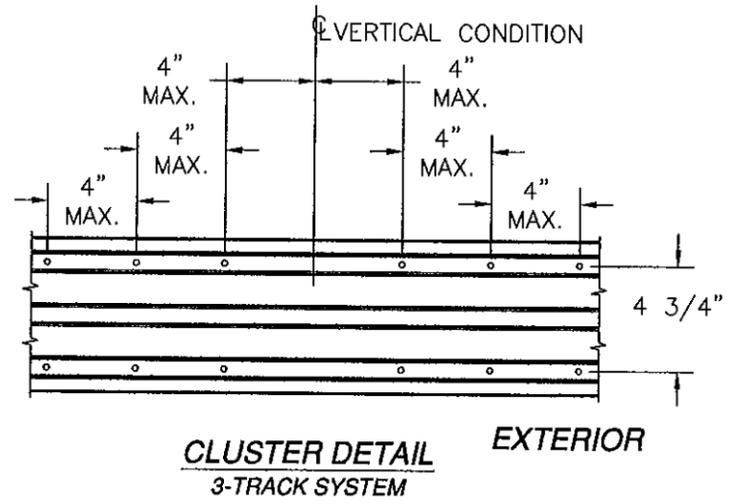
Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
80.0	5	5	5	5	5	5	5
84.0	5	5	5	5	5	5	5
96.0	6	6	6	6	6	6	6
98.0	6	6	6	6	6	6	6
108.0	7	7	7	7	7	-	-
114.0	7	7	7	7	7	-	-
120.0	7	7	7	7	7	-	-

Approved as complying with the Florida Building Code Date: <u>JUNE 23, 2011</u> NOA# <u>10-0422-09</u> Miami Dade Product Control By: <u>Ishag L. Chank</u>	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 ANCHORING AND NOTES	
DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 9 OF 26

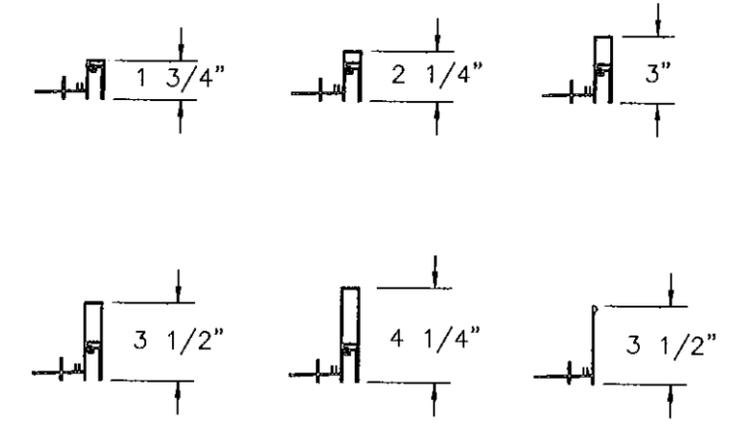
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.



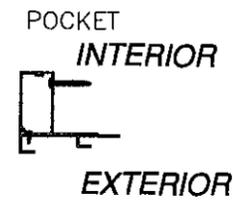
HEAD & SILL ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 20, 21 AND 22



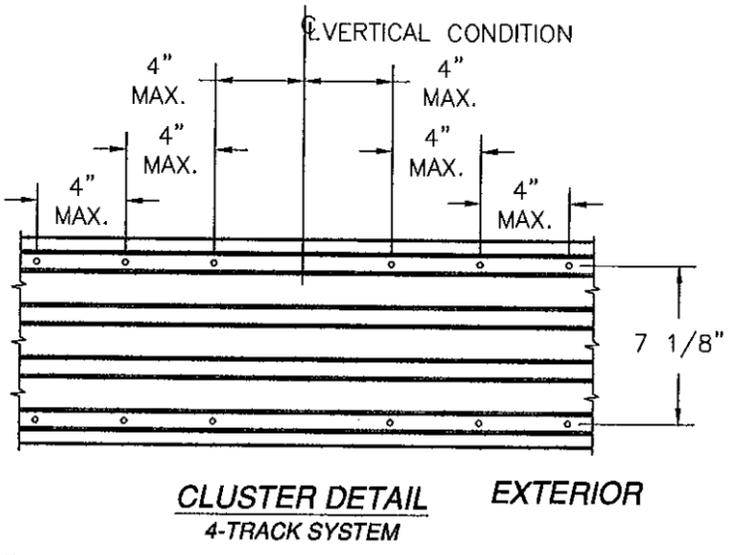
JAMB ANCHOR LOCATIONS
SEE DETAILS IN SHEETS 20, 21 AND 22



APPROVED SILL RISER OPTIONS



HOOKSTRIP ANCHOR LOCATION
SEE DETAILS IN SHEET 23



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 x 5/8" TYPE A SCREW, ITEM #64, (2) AT EACH CORNER ON 2 TRACK AND 3 TRACK FRAME AND (3) AT EACH CORNER ON 4 TRACK FRAME.

Approved as complying with the Florida Building Code
Date JUN 23, 2011
NOA# 16-0422-09
Miami Dade Product Control
By Ishag I. Chaudhry

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
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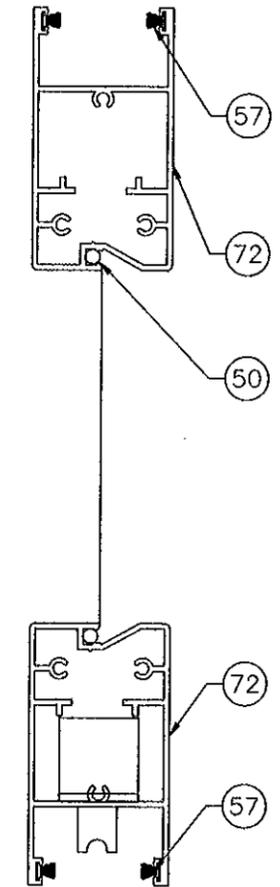
8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
ANCHORING DETAILS AND NOTES

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

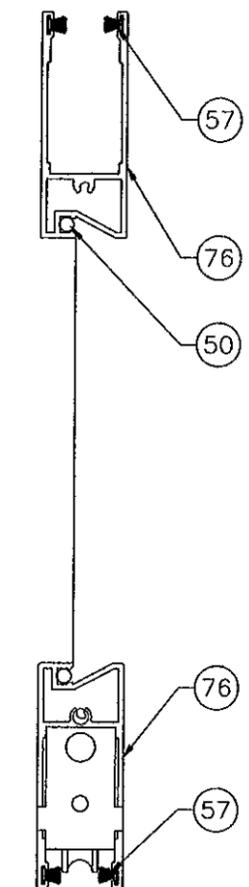
[Signature]
Luis R. Lomas, P.E.
Florida No. 62514

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		NOT USED		
6		NOT USED		
7	FS-02180	3 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
8	FS-02181	3 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
9	S-44123	3 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
10	S-44117	3 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
11	FS-02071	4 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6
12	FS-02070	4 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6
13	S-44118	4 TRACK SILL PAN	KEYMARK	ALUMINUM 6063-T6
14	S-22124	4 TRACK SILL INSERT	KEYMARK	ALUMINUM 6063-T6
15	FS-01882	FRAME HEAD INSERT	KEYMARK	ALUMINUM 6063-T6
16	FS-01883	FRAME JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
17	FH-01869	TOP RAIL	KEYMARK	ALUMINUM 6063-T6
18	FH-04723	BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
19	FS-04766	TALL BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6
20	NPG	PANEL GUIDE		NYLON
21	FH-01871	LOCK STILE	KEYMARK	ALUMINUM 6063-T6
22	FH-05044	INTERLOCK STILE	KEYMARK	ALUMINUM 6063-T6
23	FH-04767	FEMALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
24	FH-04750	MALE BUTT STILE EXT. OFFSET	KEYMARK	ALUMINUM 6063-T6
25	FH-04826	FEMALE BUTT STILE INT. OFFSET	KEYMARK	ALUMINUM 6063-T6
26	P7569AM	DUST PAD 1.244" x .5" x 2.34"		
27	FS-04747	BUMPER JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
28	FS-04754	PLAIN STILE INTERLOCK	KEYMARK	ALUMINUM 6063-T6
29	FS-04755	PLAIN STILE INTERLOCK COVER	KEYMARK	ALUMINUM 6063-T6
30	FS-05382	INTERLOCK SNAP COVER	KEYMARK	ALUMINUM 6063-T6
31	FS-02726	STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
32	FS-02726	PANEL STILE JAMB INSERT	KEYMARK	ALUMINUM 6063-T6
33	FH-03693	1 3/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
34	FH-03652	2 1/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
35	FH-03653	3" SILL RISER	KEYMARK	ALUMINUM 6063-T6
36	FH-03654	3 1/2" SILL RISER	KEYMARK	ALUMINUM 6063-T6
37	FH-03655	4 1/4" SILL RISER	KEYMARK	ALUMINUM 6063-T6
38	FS-02173	HOOK STRIP	KEYMARK	ALUMINUM 6063-T6
39	FS-04476	HOOK STRIP WALL COVER	KEYMARK	ALUMINUM 6063-T6
40	FS-04477	HOOK STRIP WALL MOUNT	KEYMARK	ALUMINUM 6063-T6
41	FH-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
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.



**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

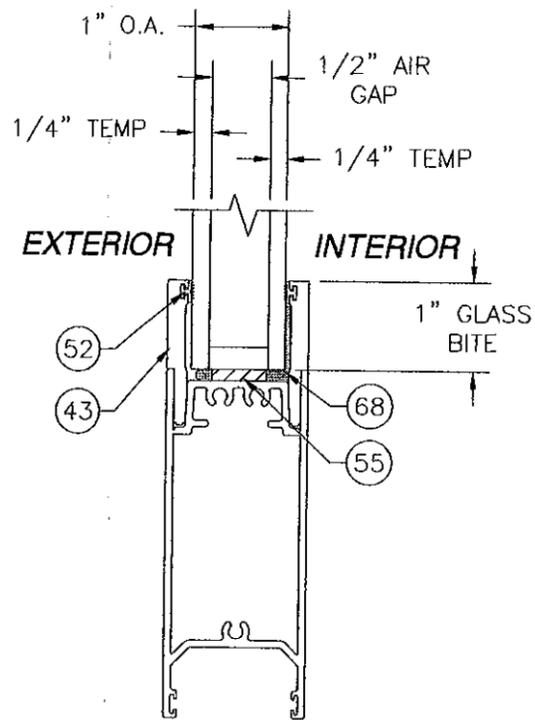
PARTS LIST CONTINUED
ON SHEET 12

Approved as complying with the Florida Building Code Date: <u>JUNE 23, 2011</u> NOAH <u>12-0422-09</u> Miami Dade Product Control By: <u>Ismael Chaud</u>	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 BILL OF MATERIALS AND SCREEN CROSS SECTIONS		
	DRAWN: TJH		DWG NO. 08-00943
SCALE NTS	DATE 02/04/10	SHEET 11 OF 26	

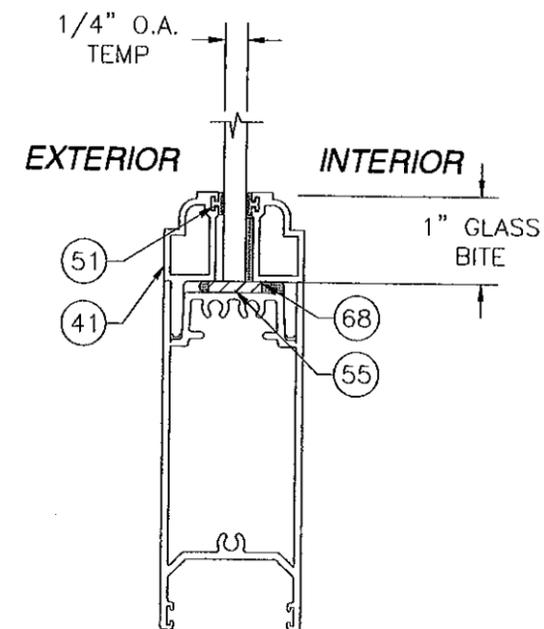
PARTS LIST

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		NOT USED		
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		NOT USED		
82		NOT USED		
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



GLAZING TYPE A
1" IGU TEMPERED



GLAZING TYPE B
1/4" TEMPERED

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.

Approved as complying with the Florida Building Code
 Date JUNE 23, 2011
 NOAH 10-04-22-09
 Miami Dade Product Control
 By Ismael L. Chant

WinDoor
INCORPORATED

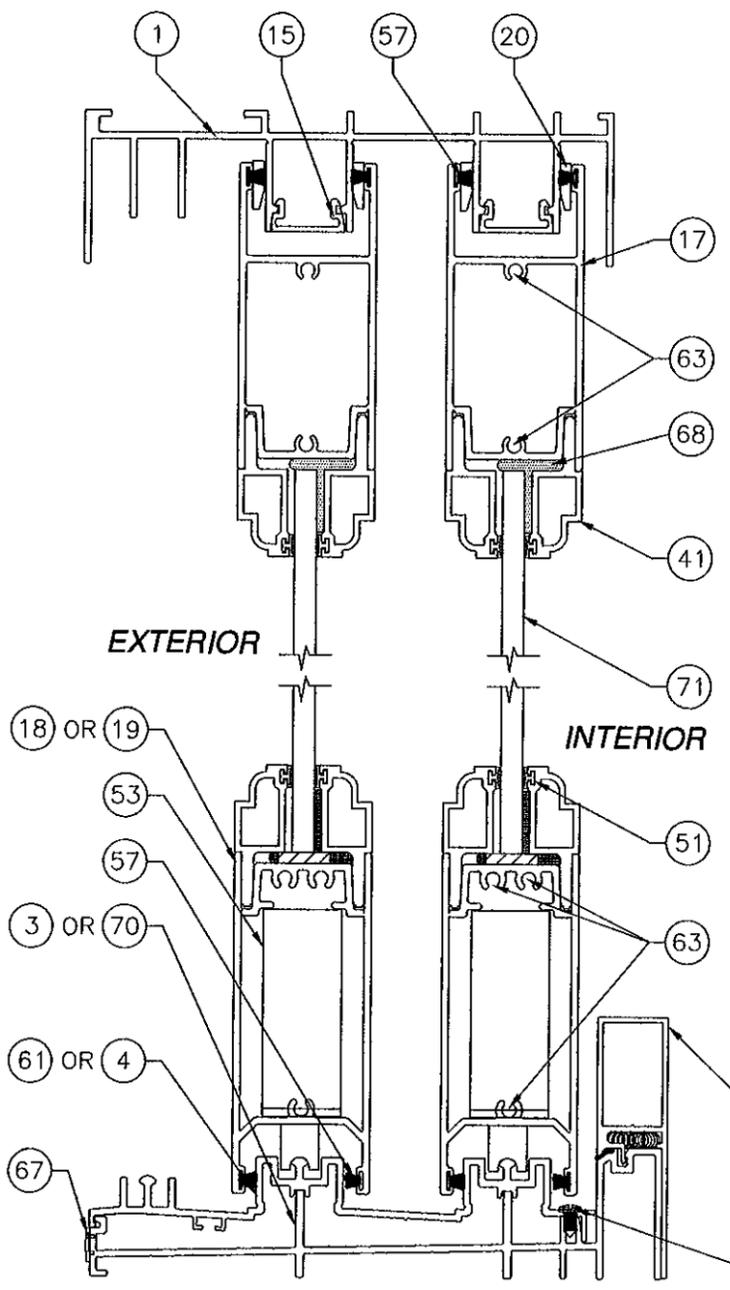
7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0505
 www.windoorinc.com

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

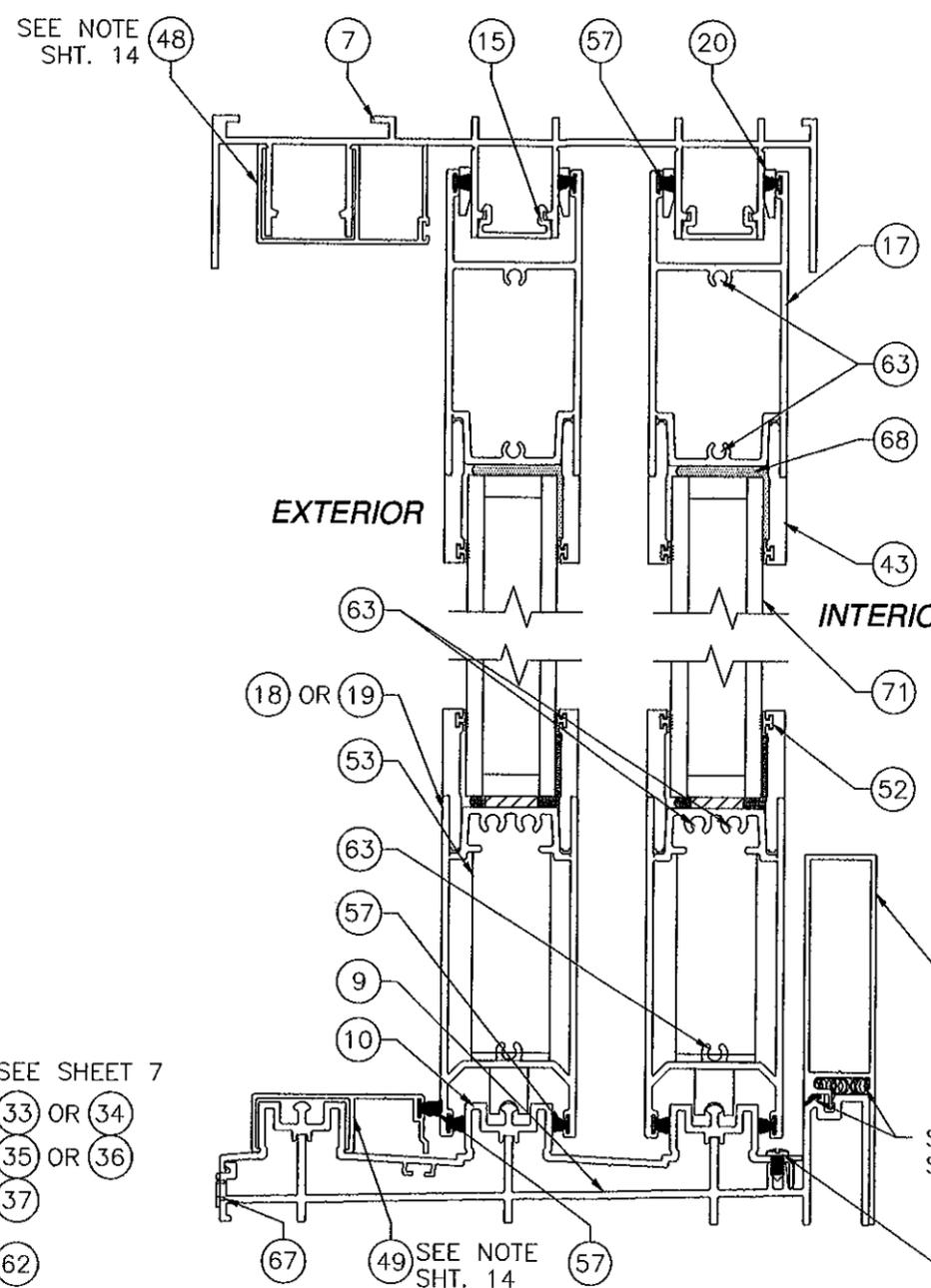
DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 12 OF 26

[Signature]
 3/1/11
 Luis R. Lomius P.E.
 Florida No. 162514

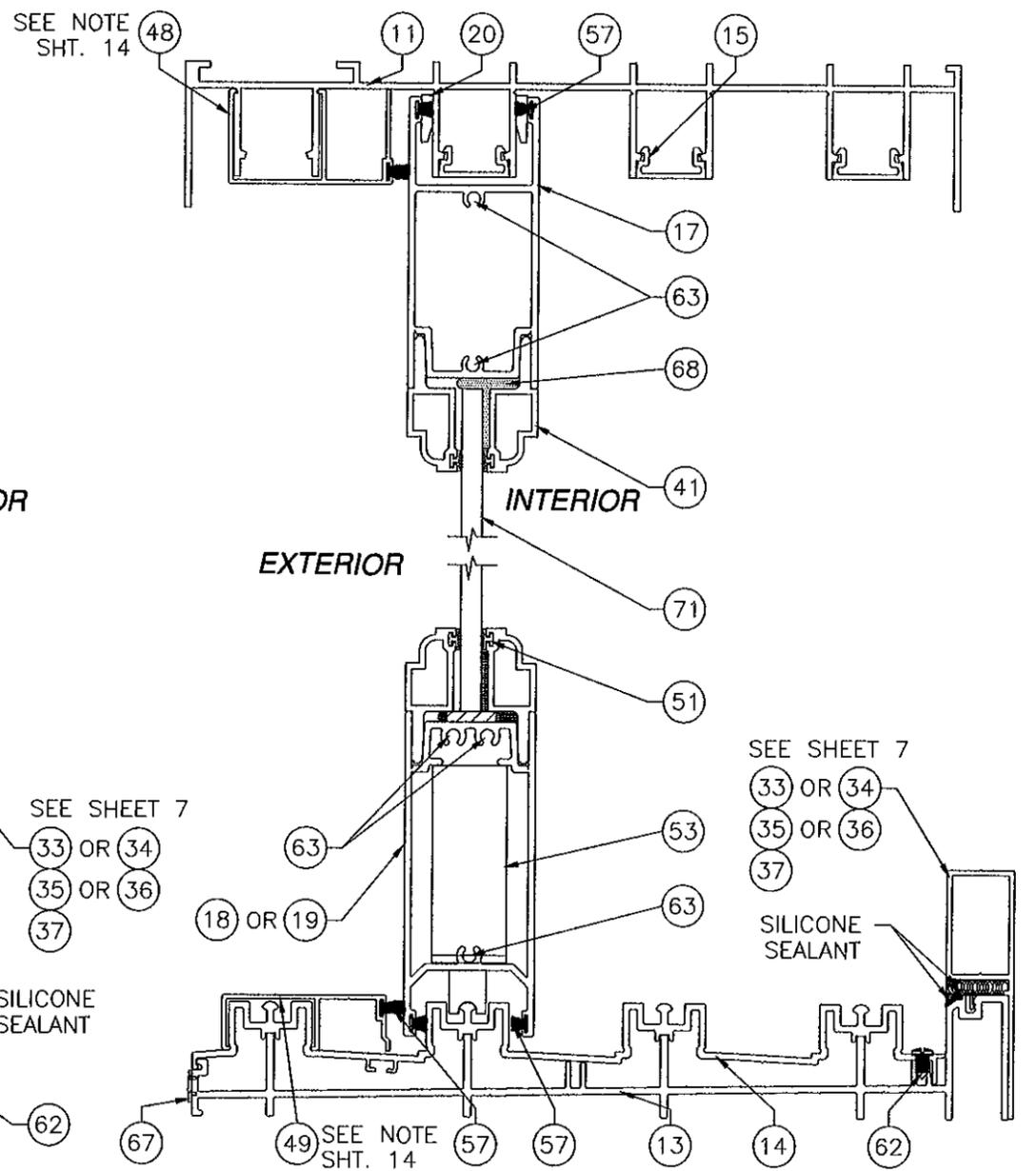
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
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SECTION A
 2 TRACK WS FRAME SYSTEM WITH 3" SILL RISER SHOWN, 2 TRACK NS, 2 TRACK WS RETRO AND 2 TRACK NS RETRO SILLS AND ALL SILL RISERS MAY BE USED



SECTION B
 3 TRACK FRAME SYSTEM WITH 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.

Approved as complying with the
 Florida Building Code
 Date JUNE 23, 2011
 NOAD 10-0422-09
 Miami Dade Product Control
 By Ishag I. Chaudhry

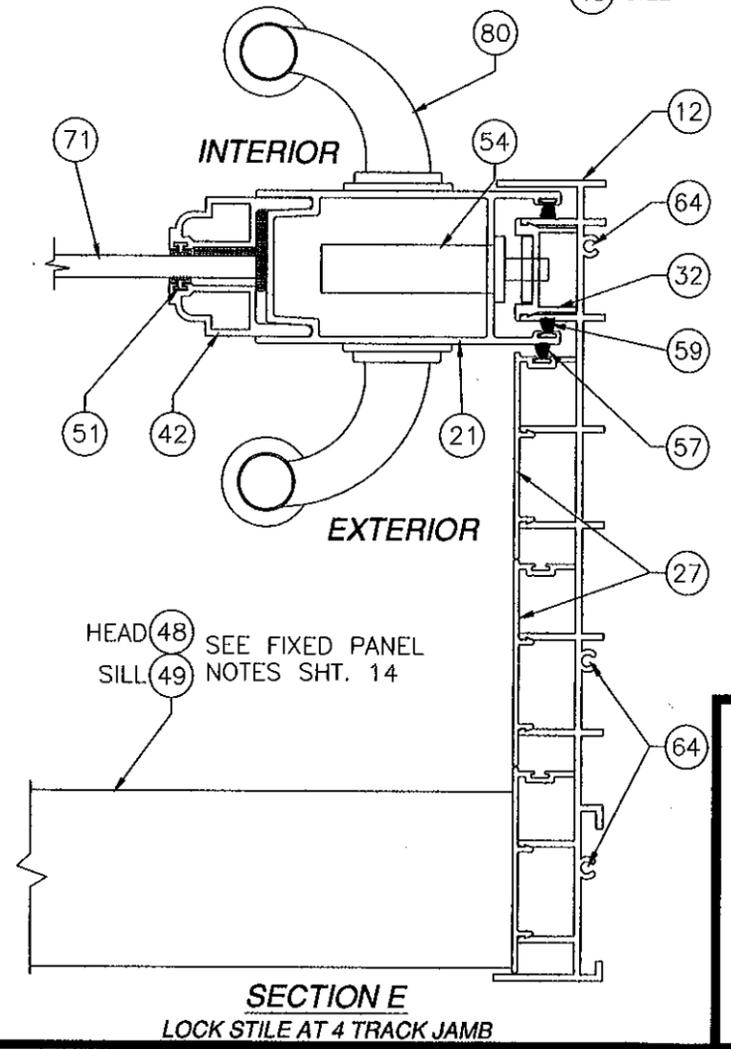
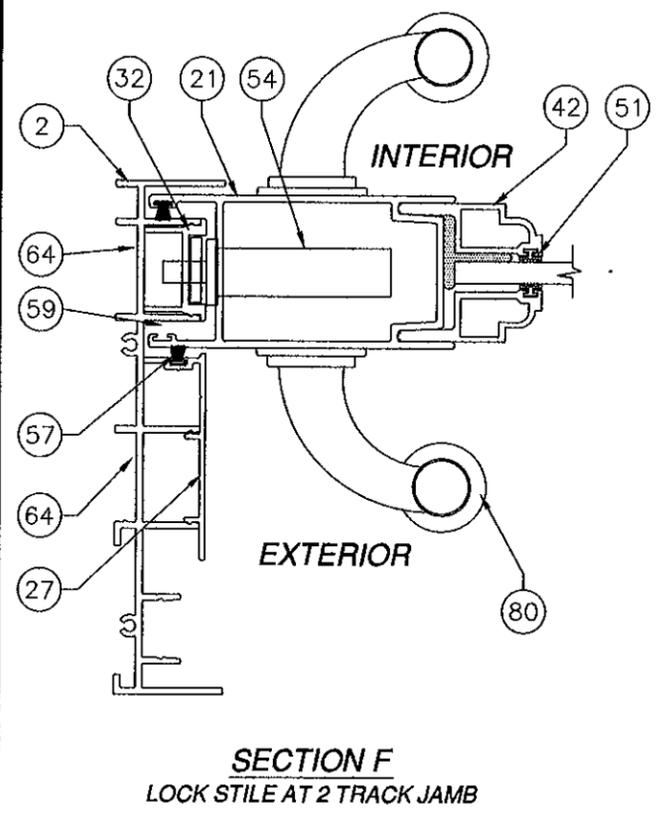
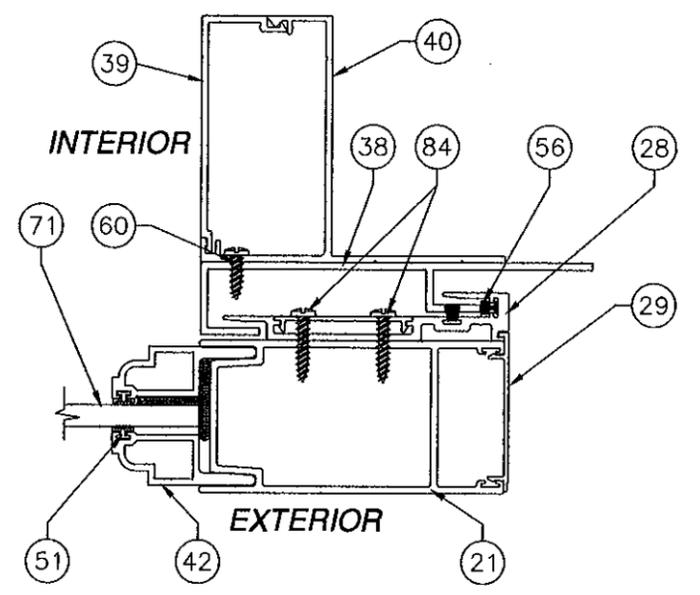
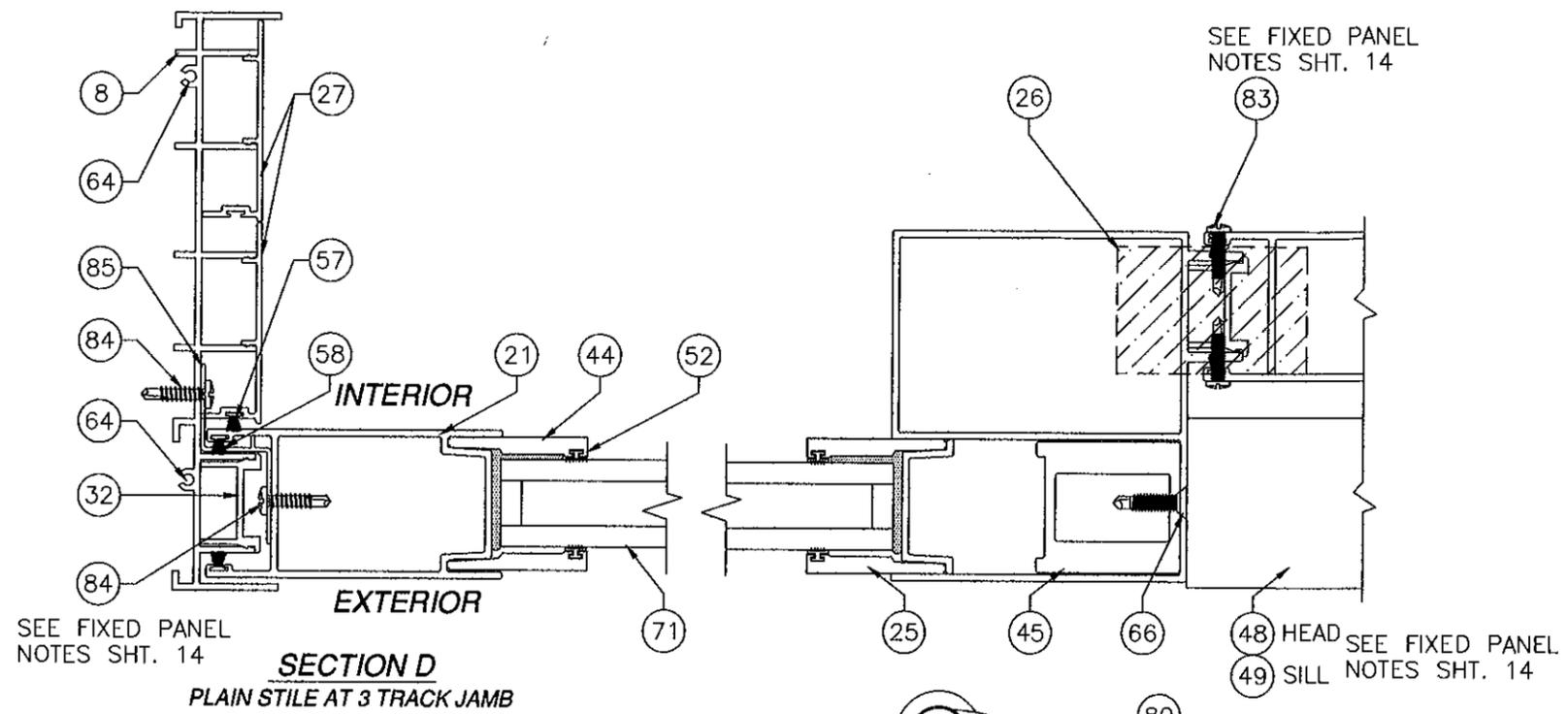
WinDoor
 INCORPORATED
 7500 AMSTERDAM DRIVE
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 Phone: 407.481.8400
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 www.windoorinc.com

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

DRAWN: TJH
 DWG NO. 08-00943
 SCALE NTS
 DATE 02/04/10
 REV B
 SHEET 13 OF 26

Luis R. Lomas
 3/1/11
 Luis R. Lomas P.E.
 Florida No. 62514

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.



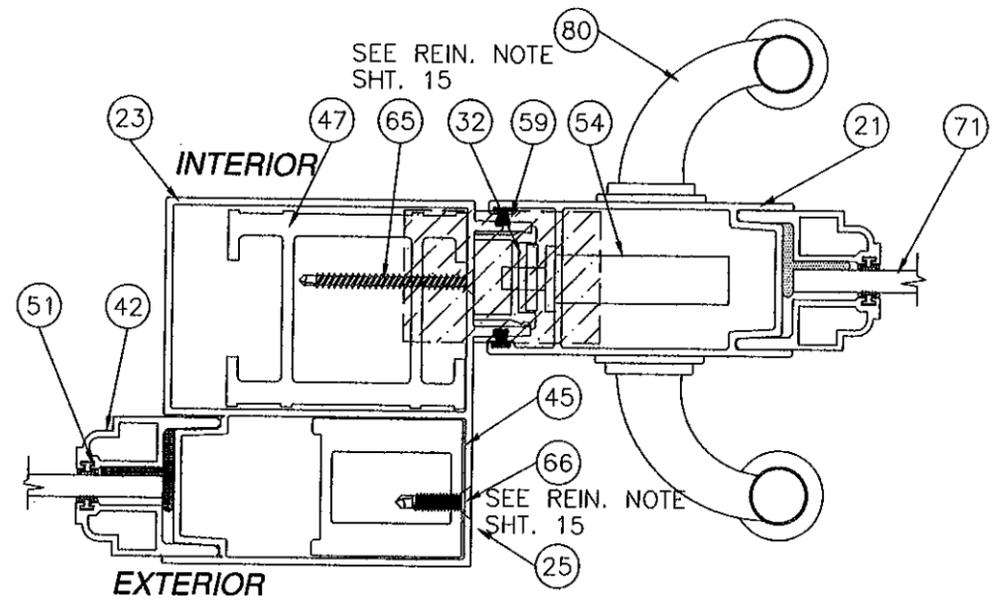
FIXED PANEL NOTES:

- FIXED PANEL TO JAMB CONDITION:**
FIXED PANEL IS SEURED TO THE JAMB WTH (2) ITEMS #85, FIXED PANEL Z-CLIP. ONE Z- CLIP IS LOCATED 24" FROM TOP OF THE PANEL DOWN AND 24" FROM BOTTOM OF PANEL UP. EACH Z-CLIP IS ATTACHED TO PANEL WITH (3) ITEM # 84, #10 x 3/4" PH TEK SCREWS AND THEN IT IS ATTACHED TO JAMB WITH (3) ITEM #84, #10 x 3/4" PH TEK SCREWS. SECTION D SHEET 14, SECTION EE SHEET 18 AND SECTION Z SHEET 18 SHOW A FIXED PANEL TO JAMB CONDITION.
- 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.

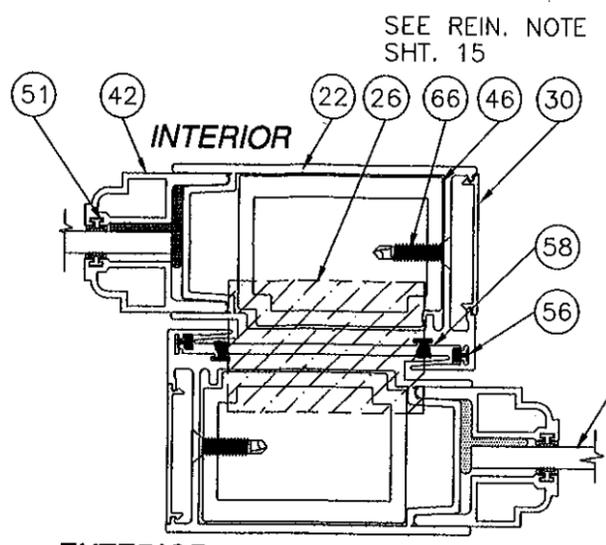
NOTE:
SEE SHEETS 20, 21, 22 AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD, SILL AND JAMB TRACK SYSTEM. OTHER HEAD, SILL AND JAMB TRACK SYSTEMS ARE SIMILAR.

Approved as complying with the Florida Building Code Date <u>JUNE 23, 2011</u> NOA# <u>10-0422-09</u> Miami Dade Product Control <i>By [Signature]</i>	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 HORIZONTAL CROSS SECTIONS	
DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 14 OF 26

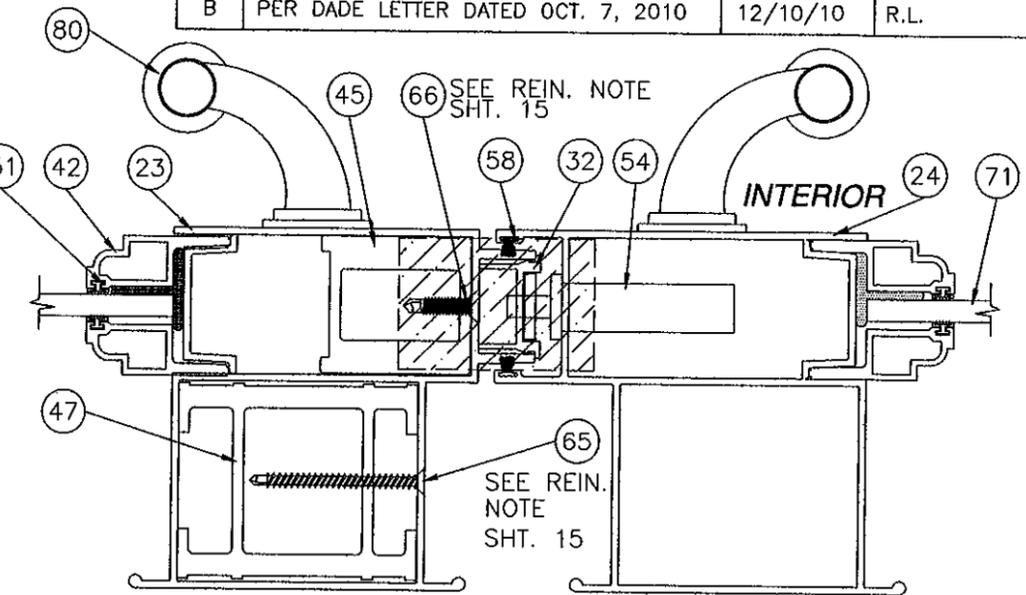
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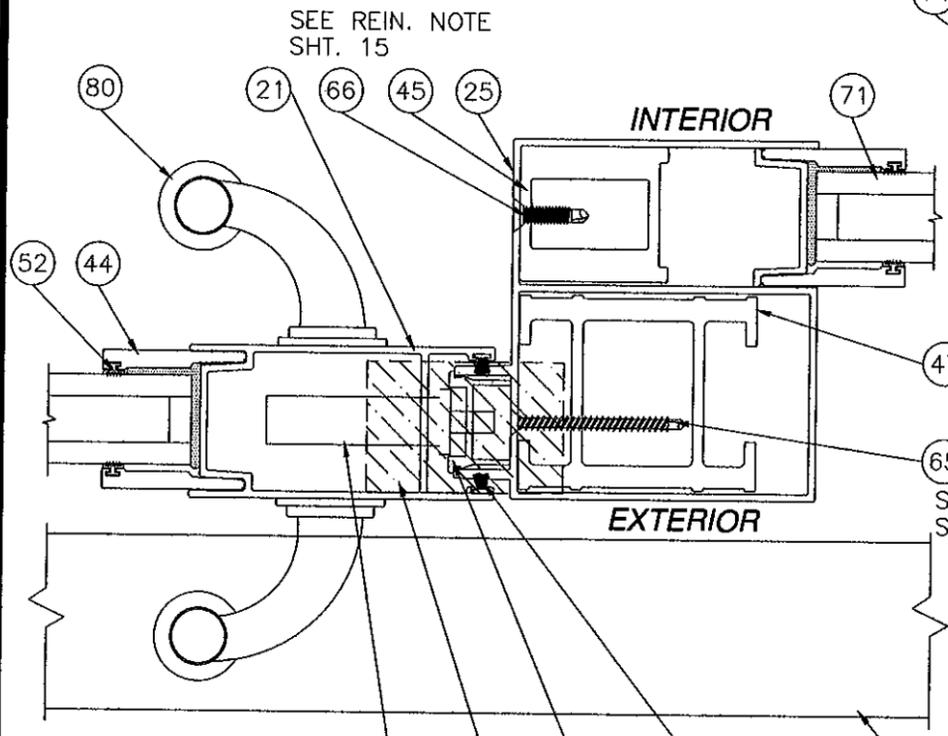
SECTION J
REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



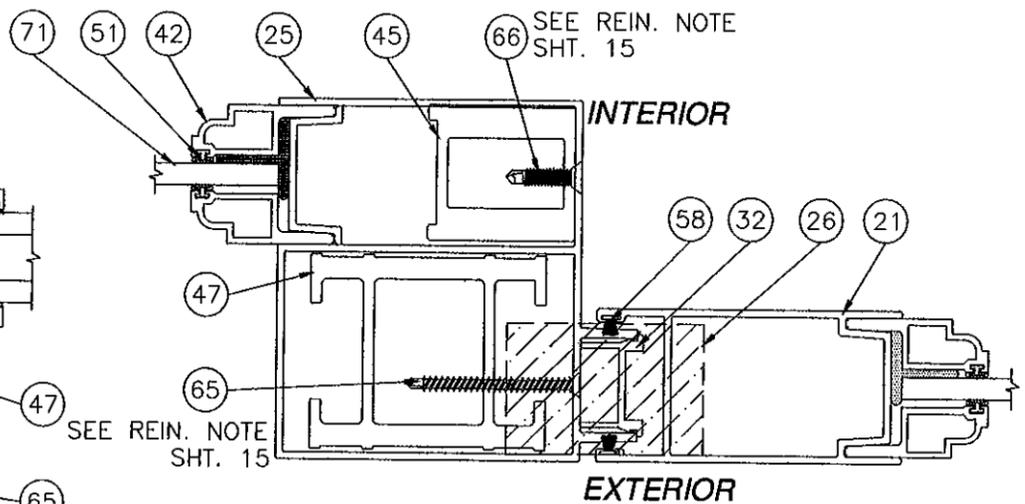
SECTION L
REINFORCED INTERLOCK STILE TO REINFORCED INTERLOCK STILE



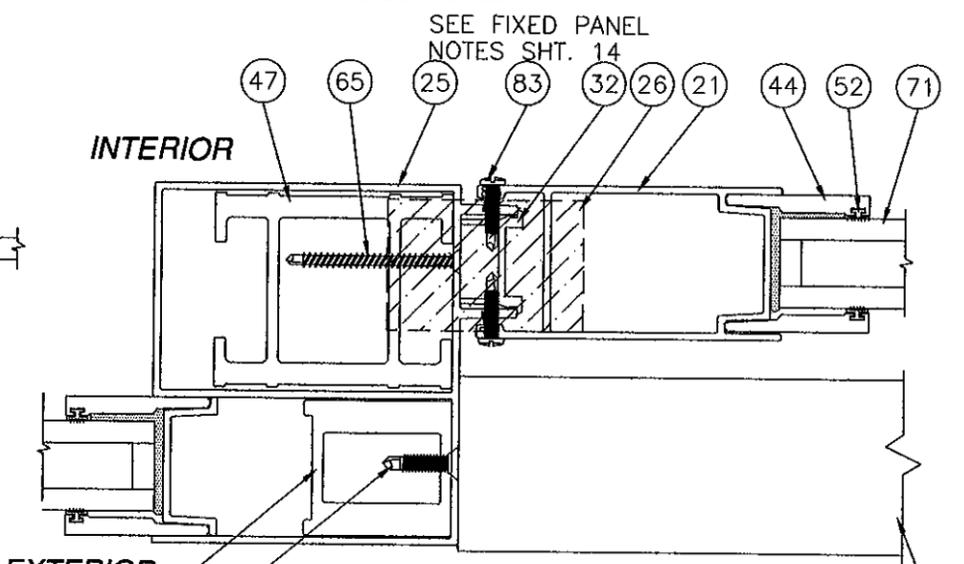
SECTION N
REINFORCED MALE BUTT STILE TO REINFORCED LOCKING BUTT STILE



SECTION K
LOCK STILE TO REINFORCED EXTERIOR FIXED BUTT STILE



SECTION M
REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



SECTION O
REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE HEAD SILL

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.

Approved to comply with the Florida Building Code
Date: JUN 23, 2011
NOAP 16-0422.09
Miami Dade Product Control
By: [Signature]

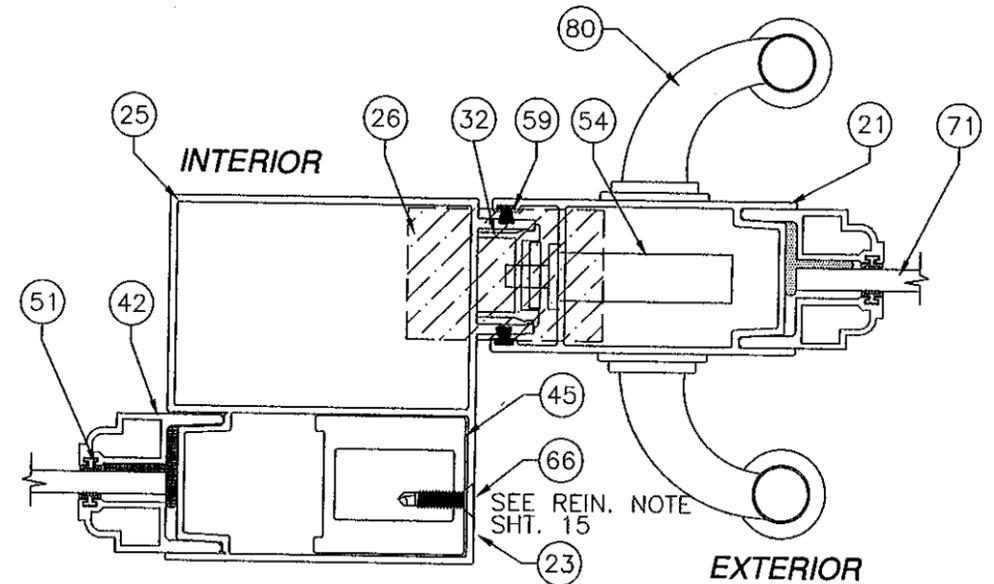
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8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED HORIZONTAL CROSS SECTIONS

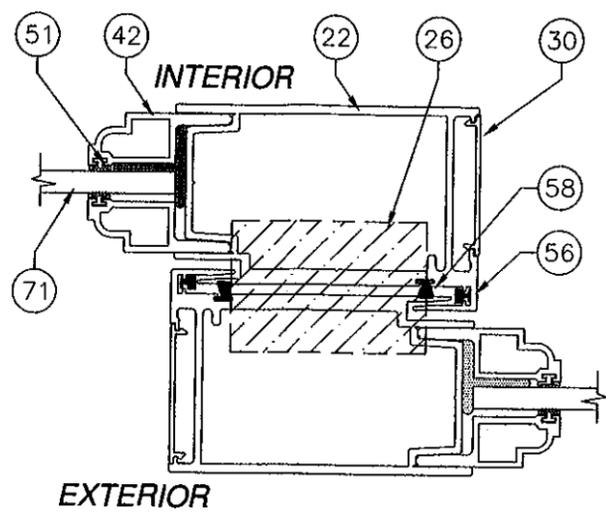
DRAWN: TJH
DWG NO. 08-00943
SCALE NTS
DATE 02/04/10
SHEET 15 OF 26

[Signature]
Luis R. Lomas, P.E.
Florida No. 62514

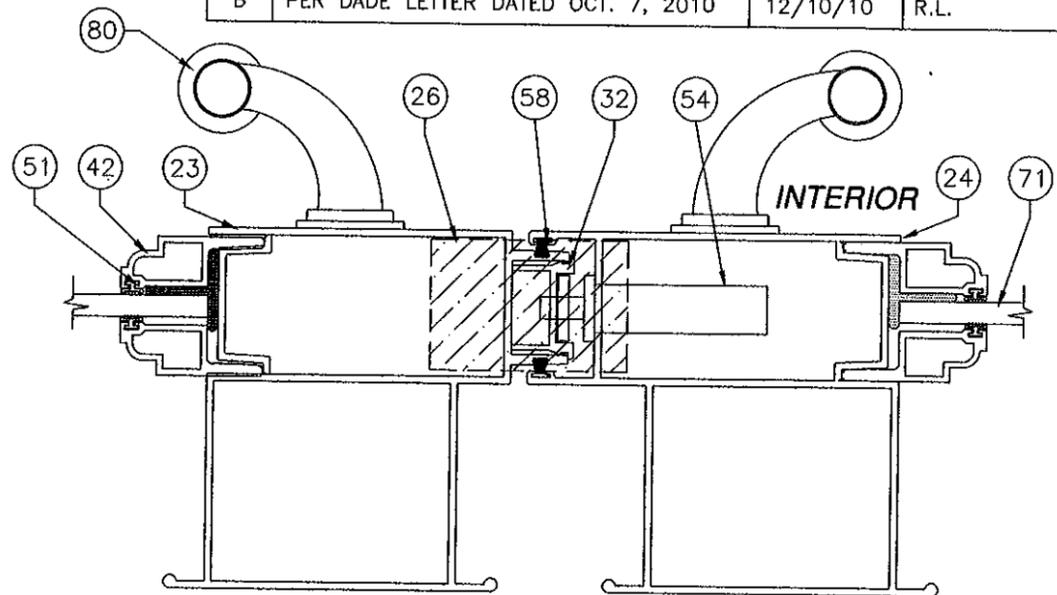
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REV	DESCRIPTION	DATE	APPROVED
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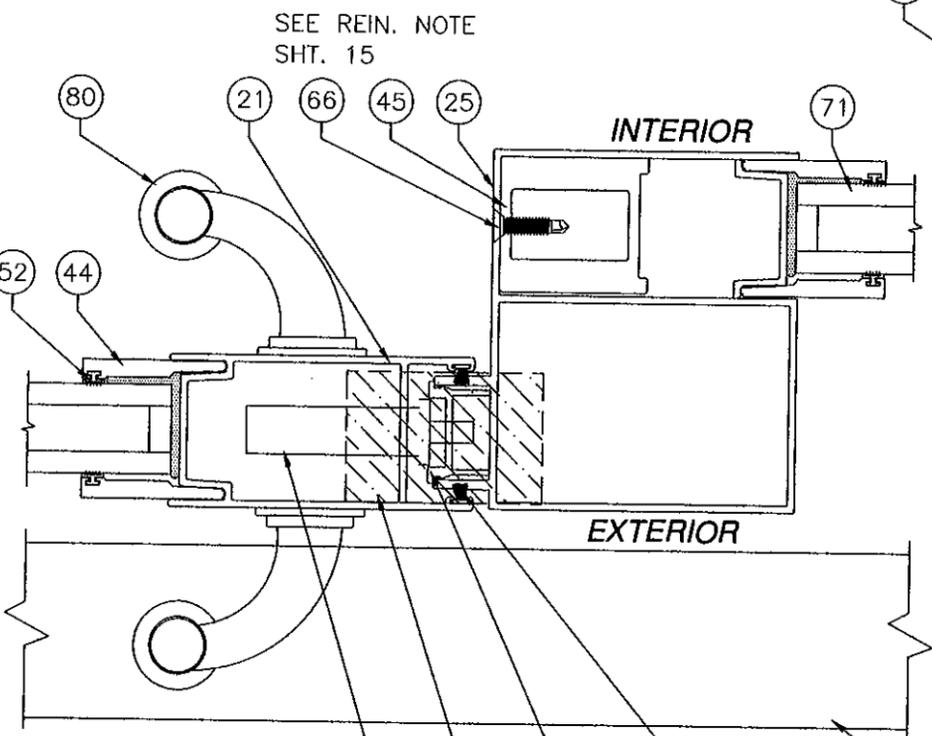
SECTION P
NON-REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE



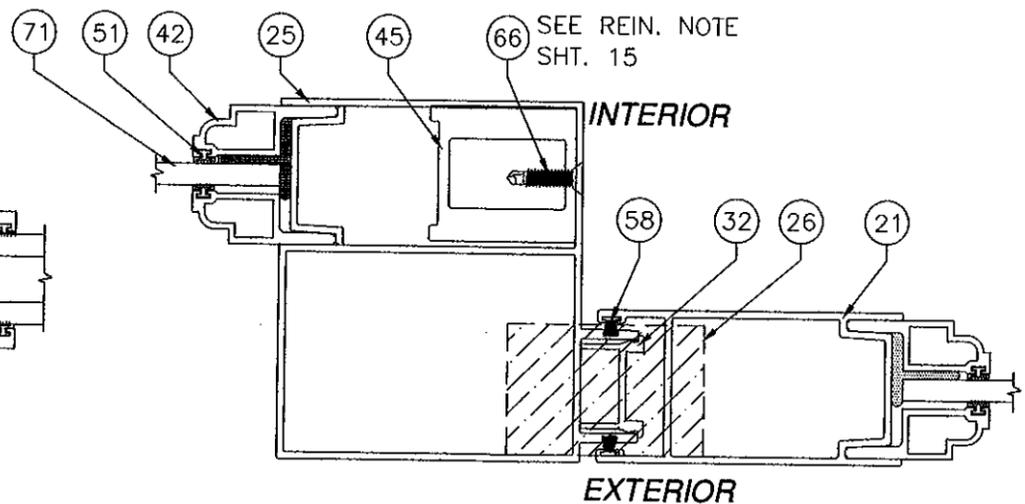
SECTION R
NON-REINFORCED INTERLOCK STILE TO NON-REINFORCED INTERLOCK STILE



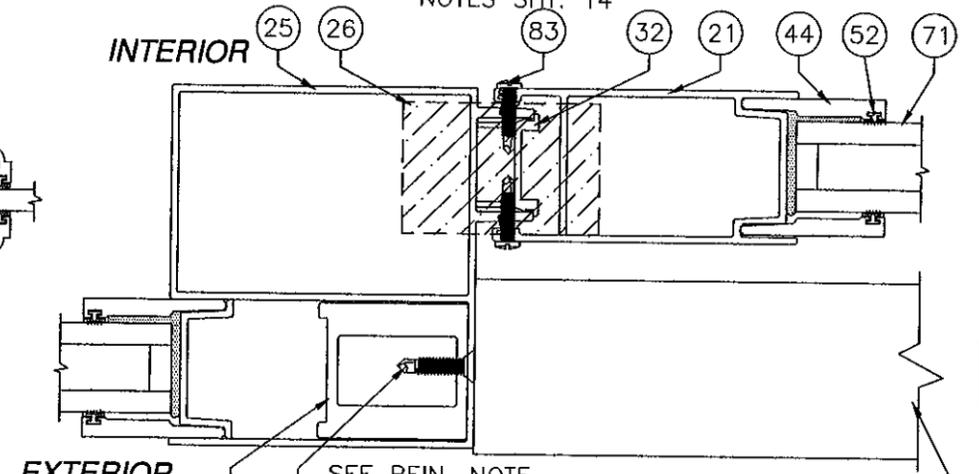
SECTION T
NON-REINFORCED MALE BUTT STILE TO NON-REINFORCED LOCKING BUTT STILE



SECTION Q
LOCK STILE TO NON-REINFORCED EXTERIOR FIXED BUTT STILE



SECTION S
NON-REINFORCED EXTERIOR FIXED BUTT STILE TO PLAIN STILE



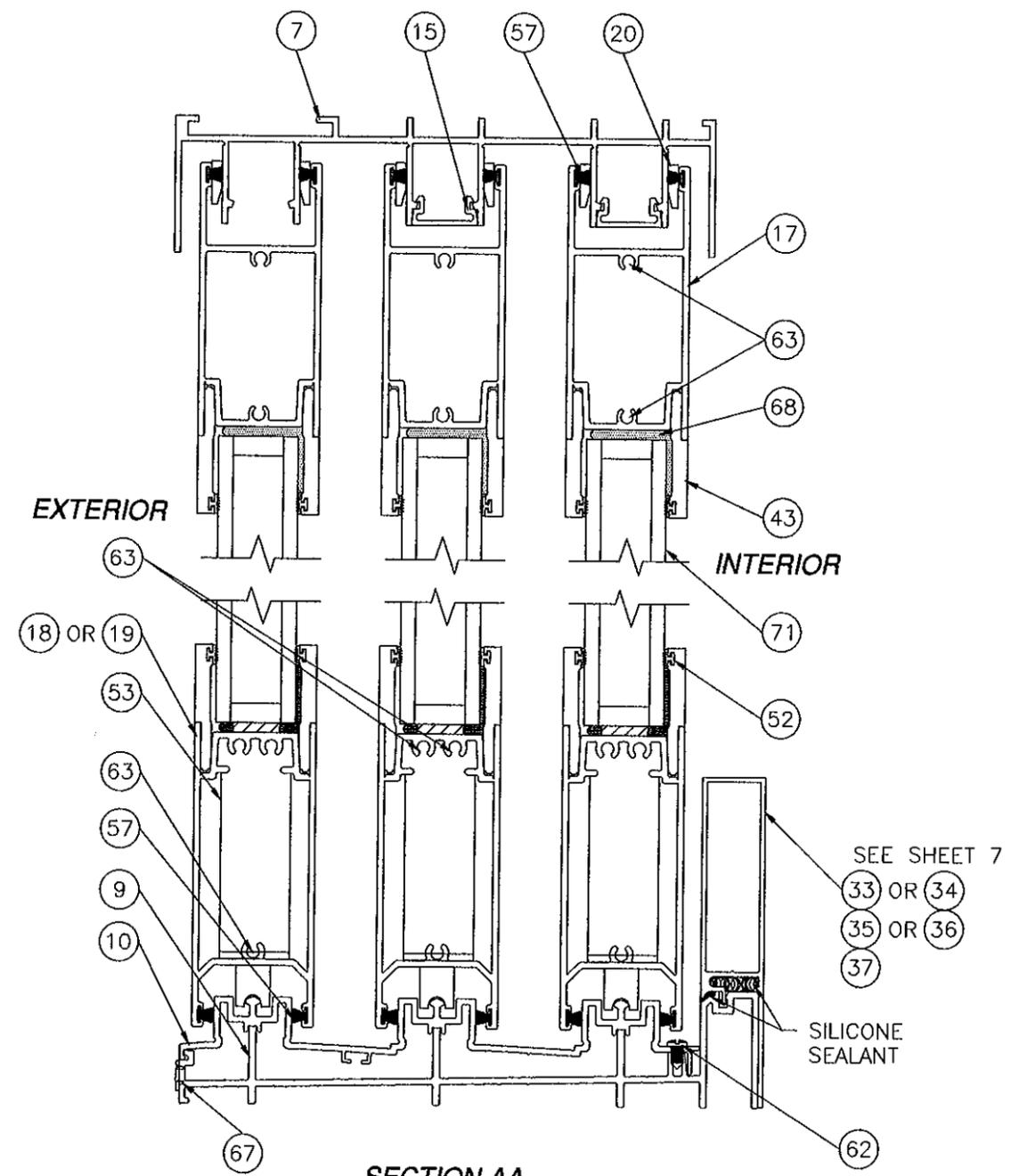
SECTION U
NON-REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

HEAD (48) SEE FIXED PANEL NOTES SHT. 14
SILL (49)

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<p>Approved as complying with the Florida Building Code Date <i>JUNE 23, 2011</i> NOAH <i>10-0422-09</i> Miami Dade Product Control</p>	<p>DATE <i>02/04/10</i></p>		
<p>DRAWN: TJH</p>	<p>DWG NO. 08-00943</p>	<p>REV B</p>	<p>SCALE NTS</p>
<p>DATE 02/04/10</p>	<p>SHEET 16 OF 26</p>	<p>SEE FIXED PANEL HEAD (48) NOTES SHT. 14 SILL (49)</p>	

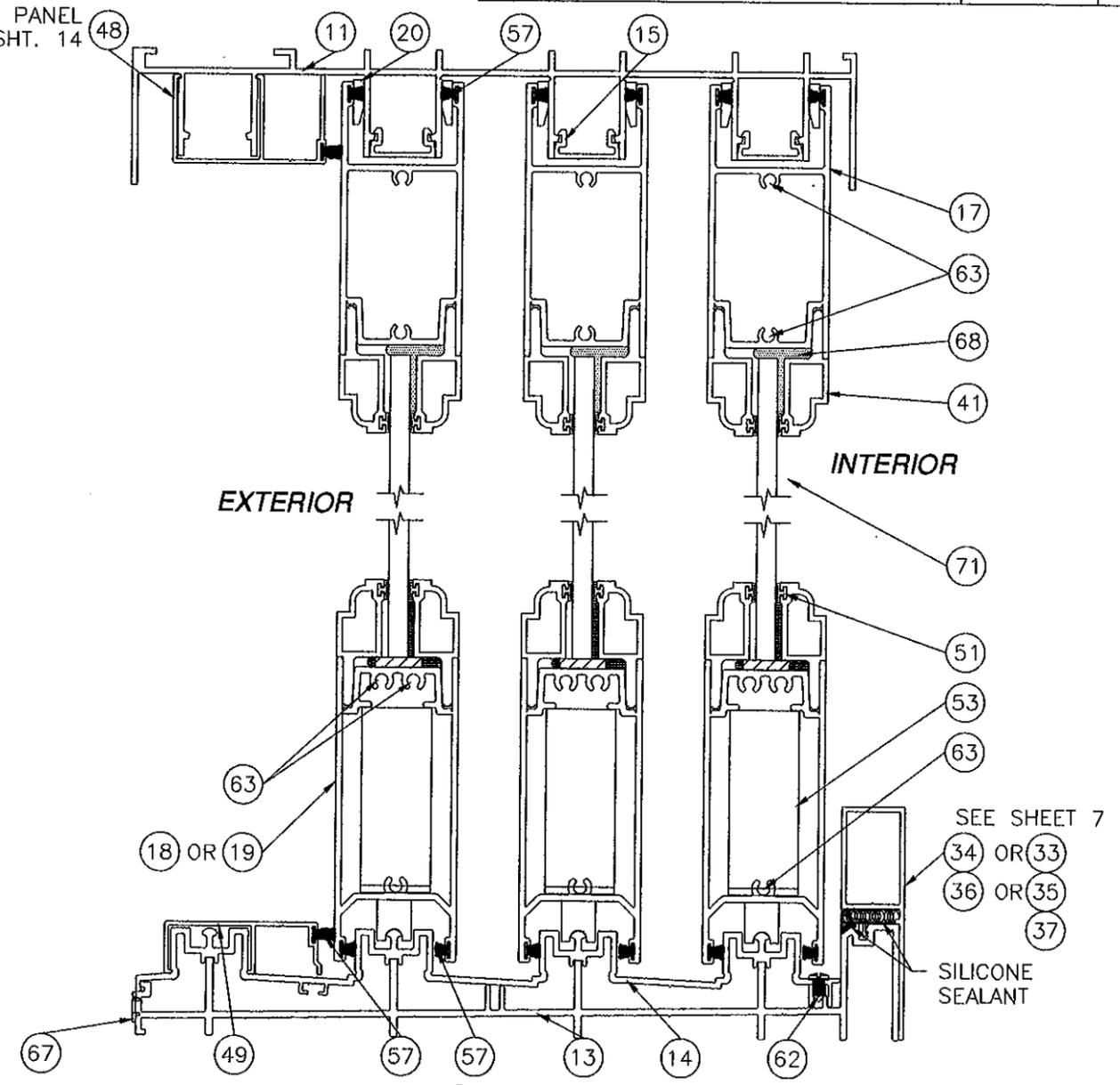
Luis R. Lomas
3/1/11
Luis R. Lomas P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
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SECTION AA
3 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEET 7

SEE FIXED PANEL
NOTES SHT. 14



SEE FIXED PANEL
NOTES SHT. 14
SECTION BB
4 TRACK FRAME SYSTEM
SEE D.P. TABLE SHEET 7

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Florida Building Code
Date JUNE 23, 2011
NOA# 10-0427-09
Miami Dade Product Control
By [Signature]

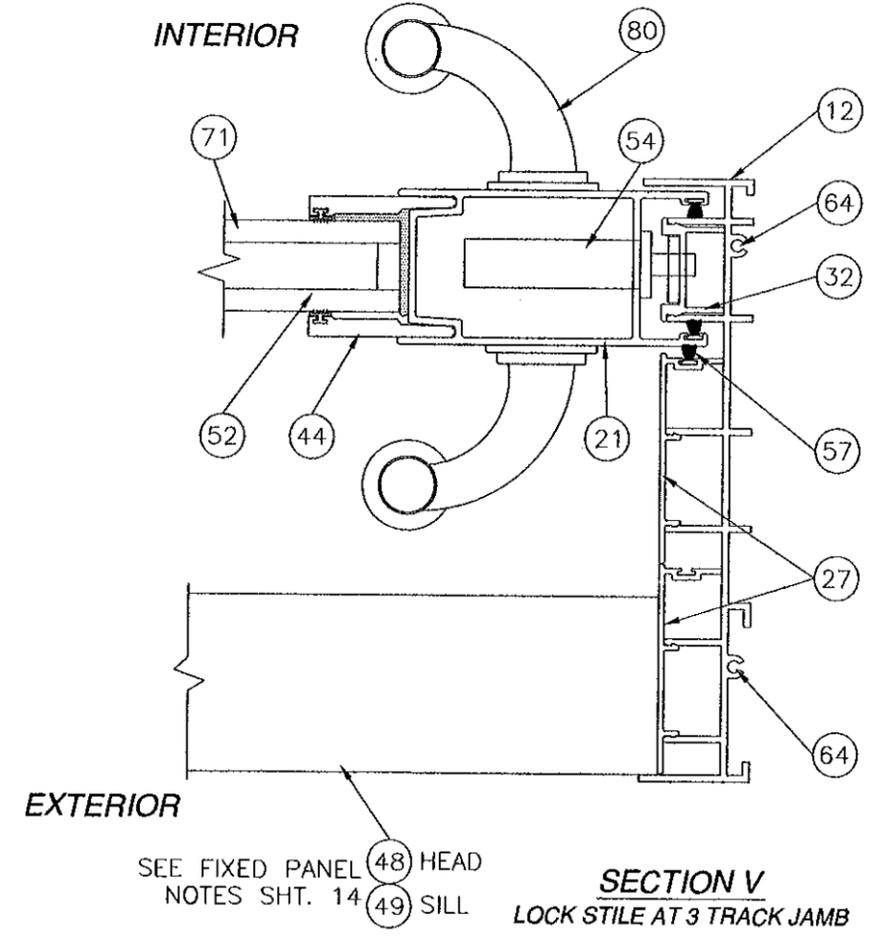
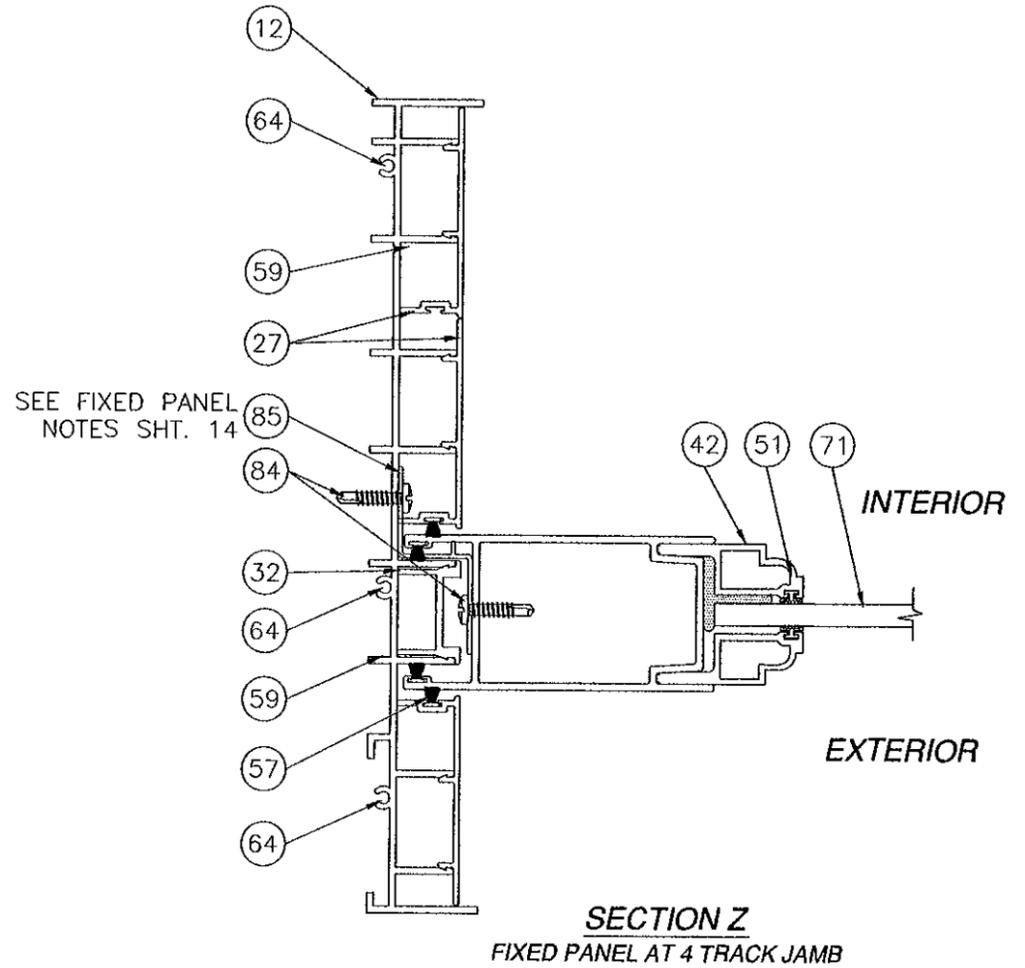
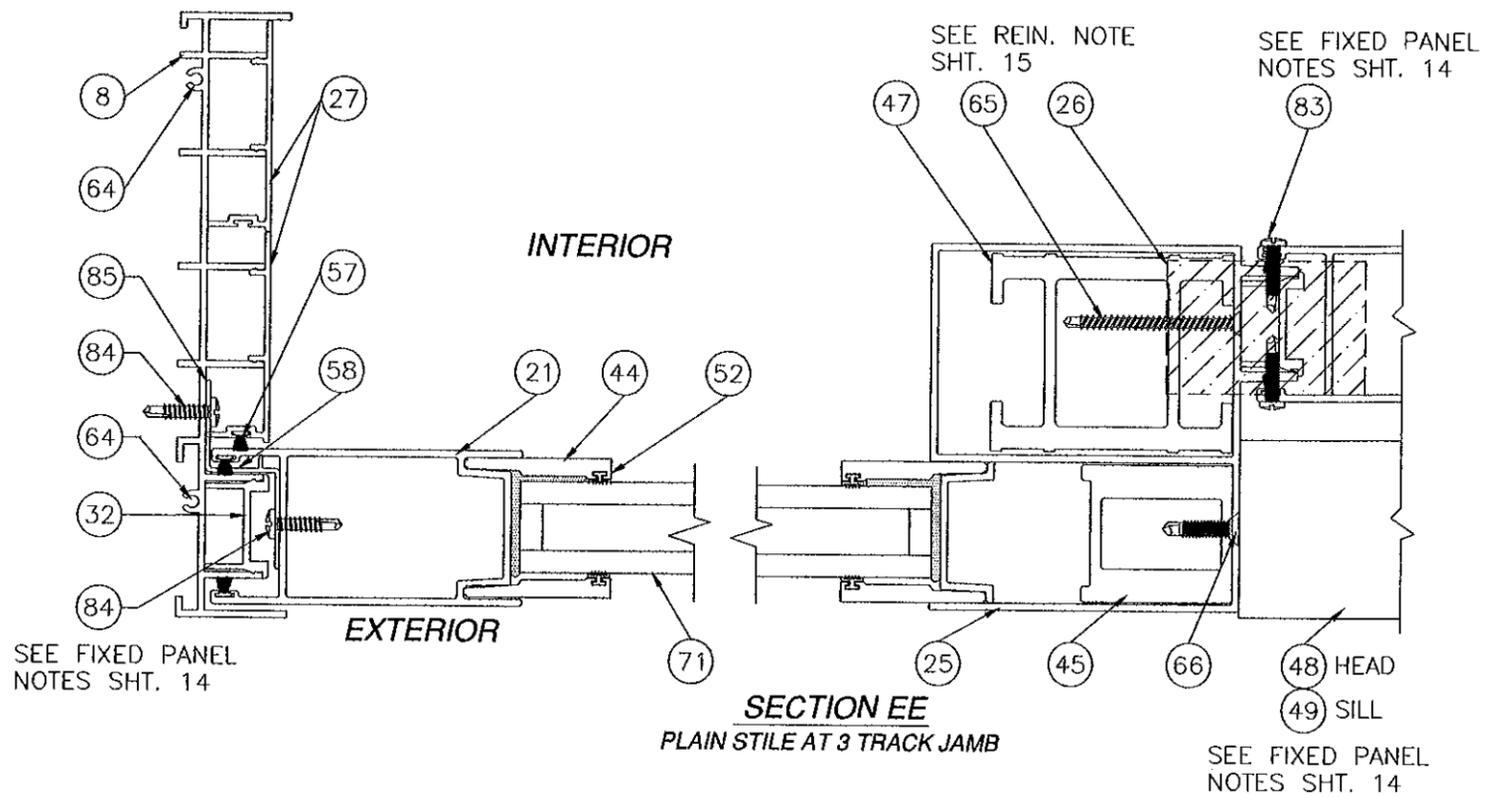
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8100 SERIES ALUMINUM SGD NON-IMPACT
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VERTICAL CROSS SECTIONS

DRAWN: TJH
DWG NO. 08-00943
SCALE NTS
DATE 02/04/10
SHEET 17 OF 26
REV B

[Signature]
Luis R. Lomas, P.E.
Florida No. 62514

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8100 SERIES ALUMINUM SGD NON-IMPACT
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HORIZONTAL CROSS SECTIONS

DRAWN: TJH DWG NO. 08-00943 REV B

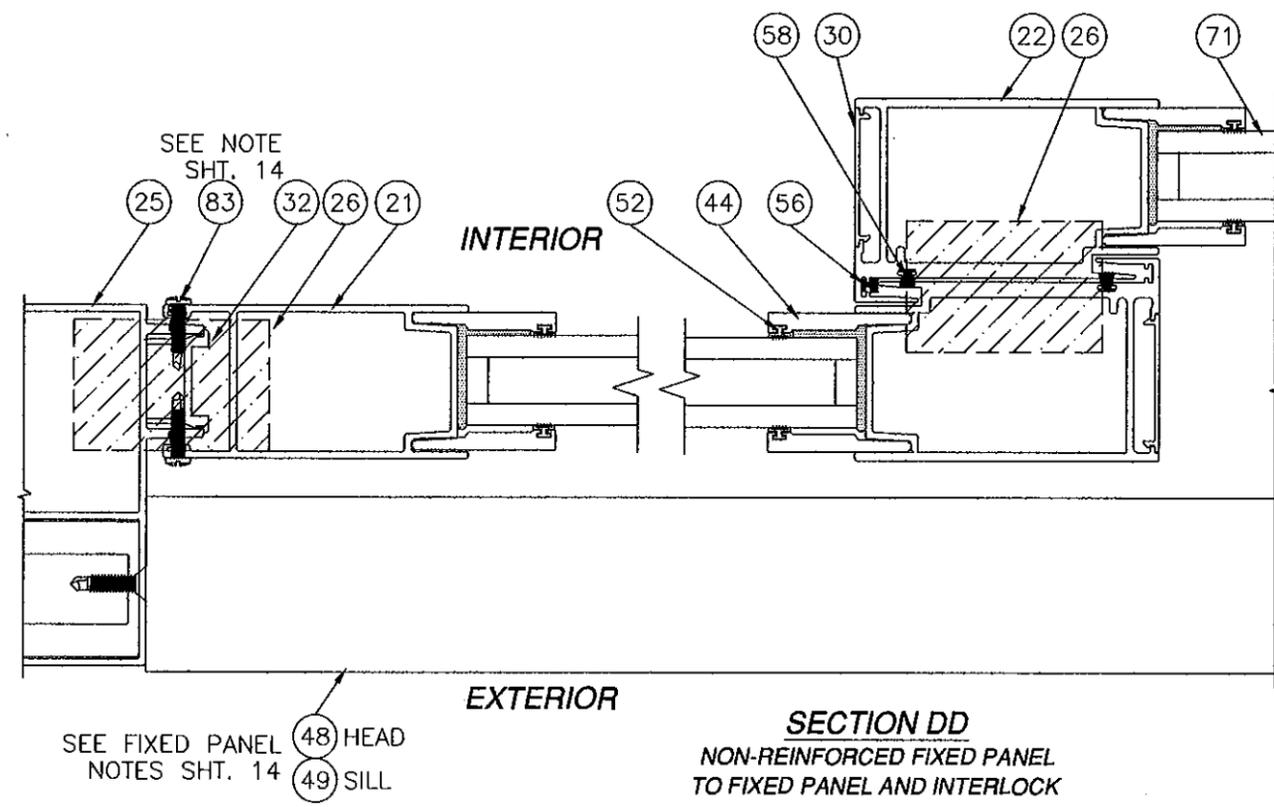
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3/1/11

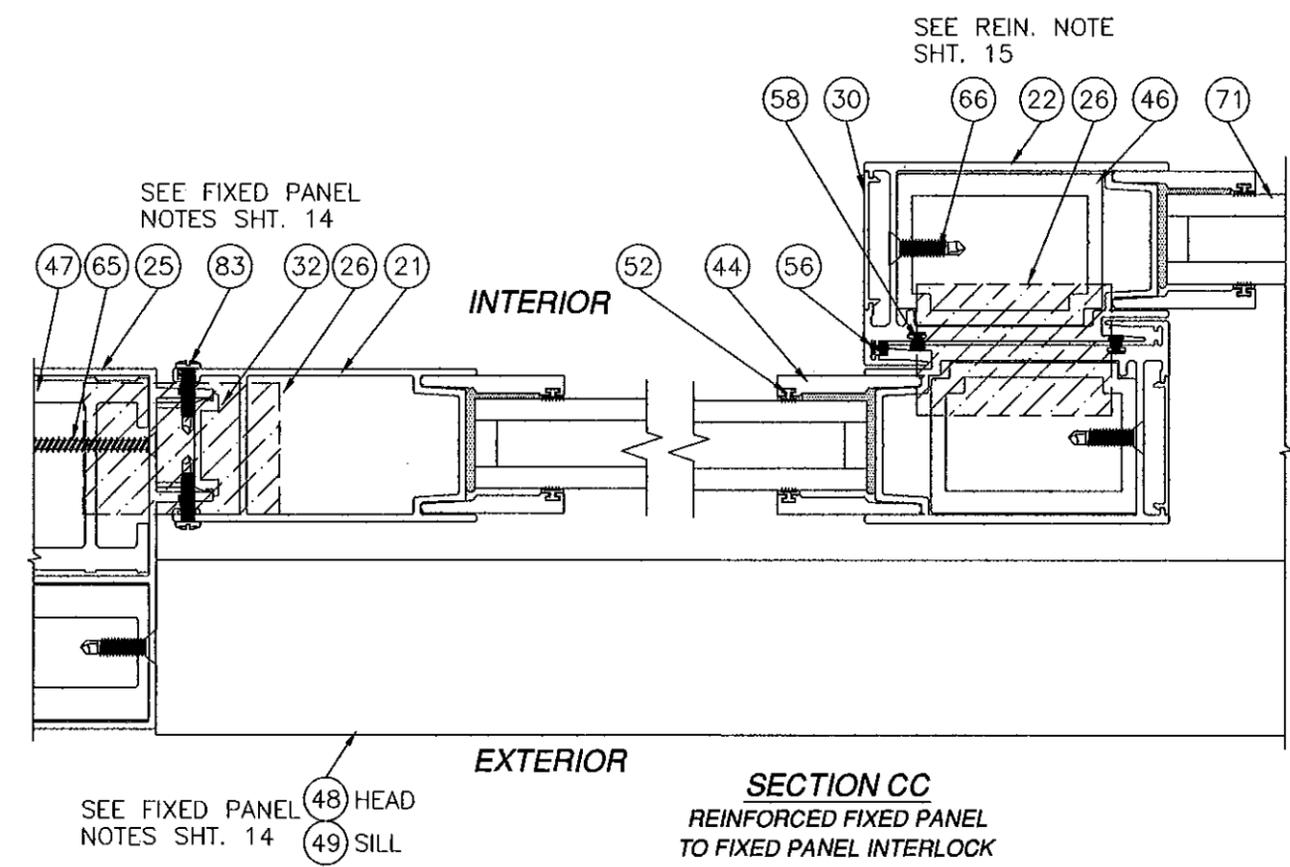
Luis R. Lomas P.E.
Florida No. 62514

REVISIONS

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



SECTION CC
REINFORCED FIXED PANEL
TO FIXED PANEL INTERLOCK

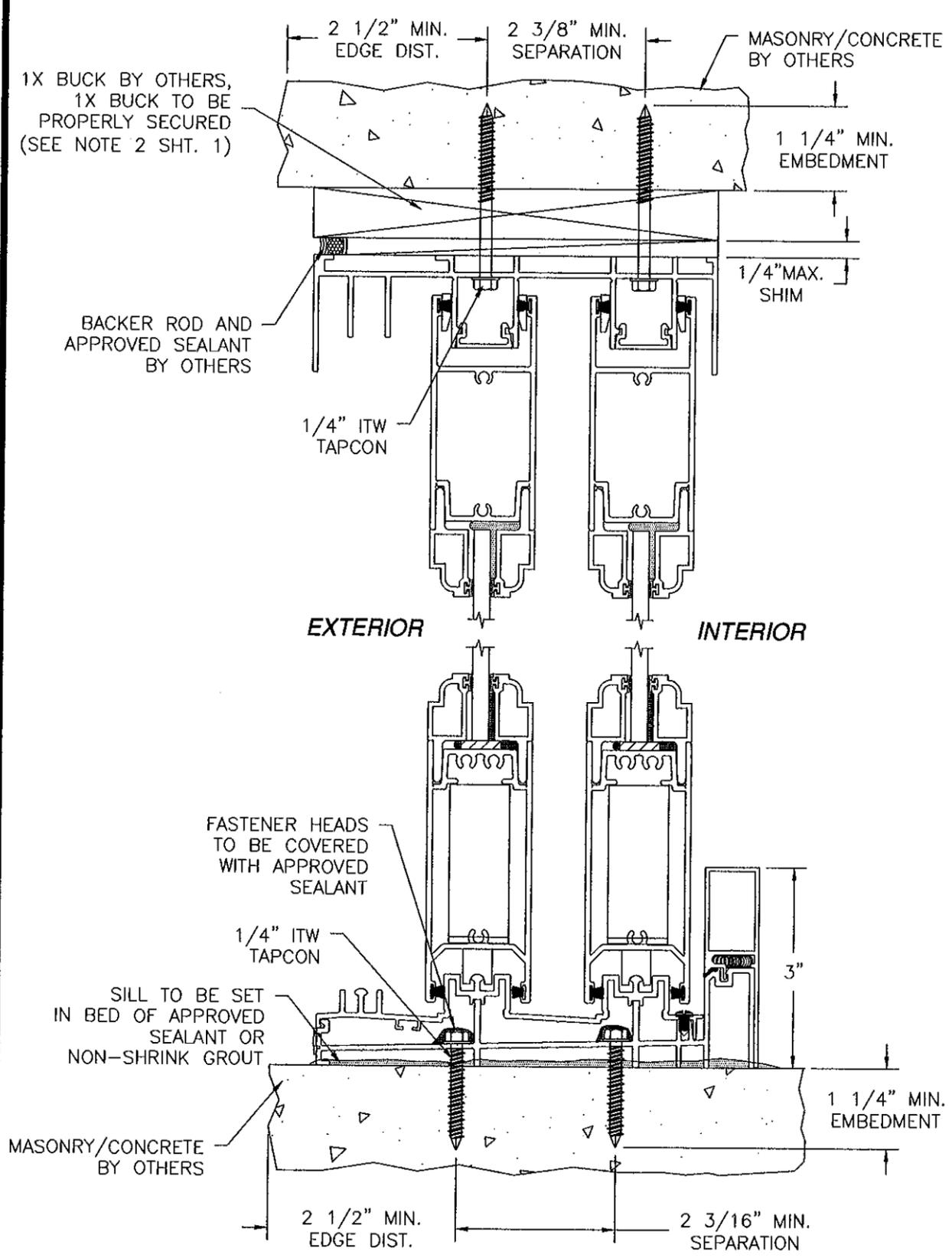
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Florida Building Code
Date JUNE 23, 2011
NOA# 1050452-09
Miami Dade Product Control
By Iskay J. Uru

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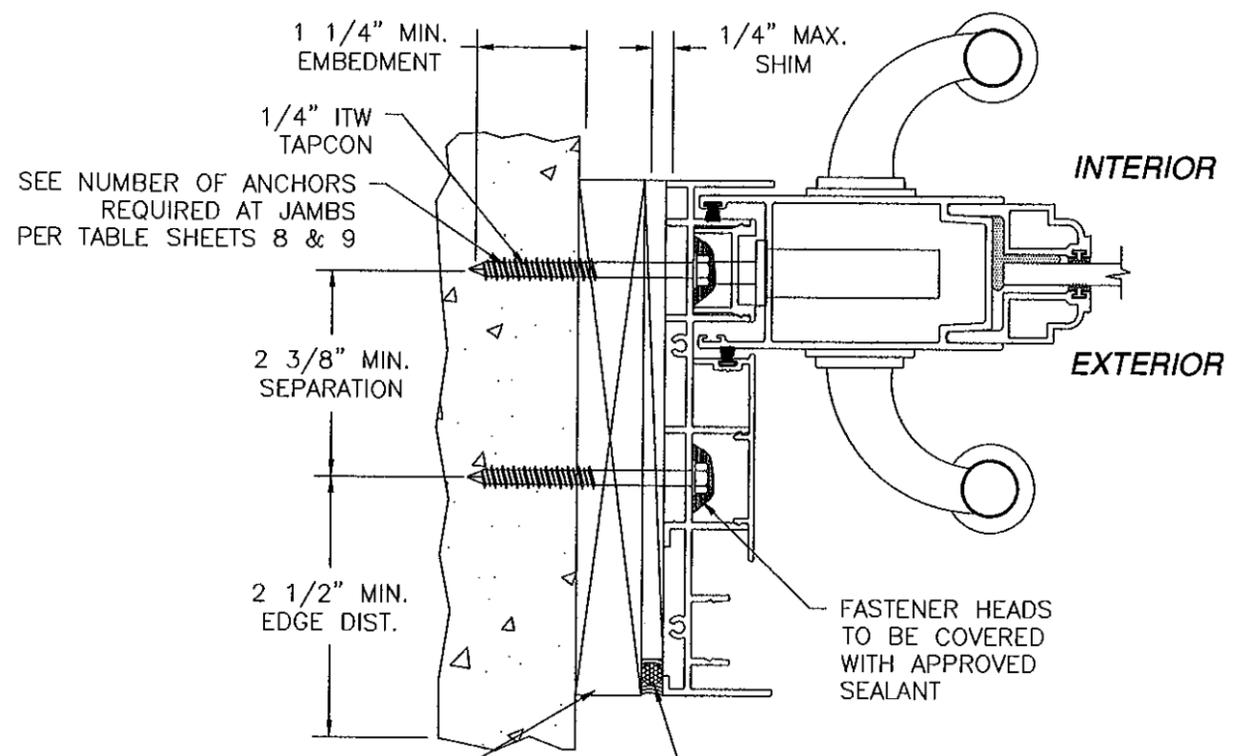
8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG. NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 19 OF 26

Luis R. Lomds
13/1/11
STATE OF
Luis R. Lomds, P.E.
Florida No. 62514



2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION



2 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION, 2 TRACK SHOWN 3 TRACK & 4 TRACK ARE SIMILAR

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 ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE USED PER DP TABLE SHEET 7.

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Date JUNE 23, 2011
NOAH 10-0422-09
Miami Dade Product Control
By Sheng I. Chandra

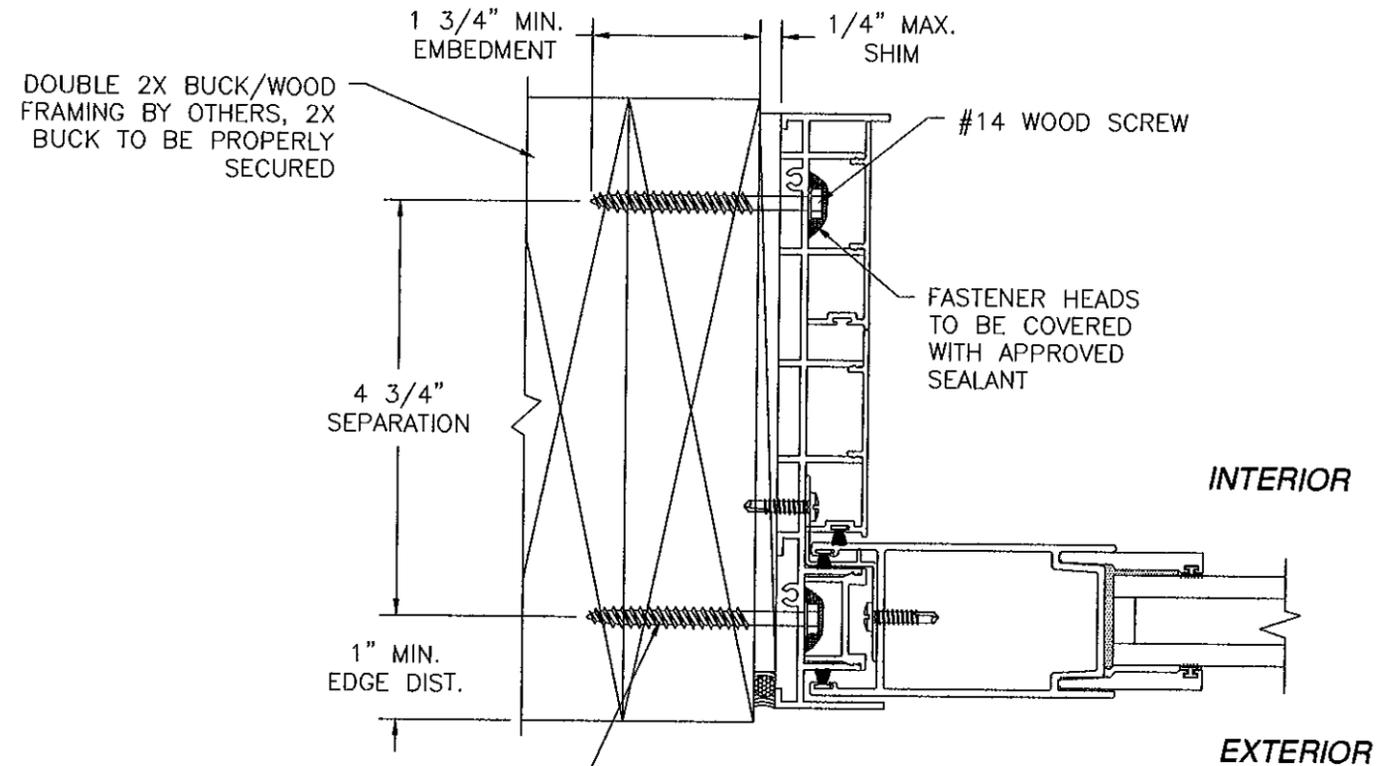
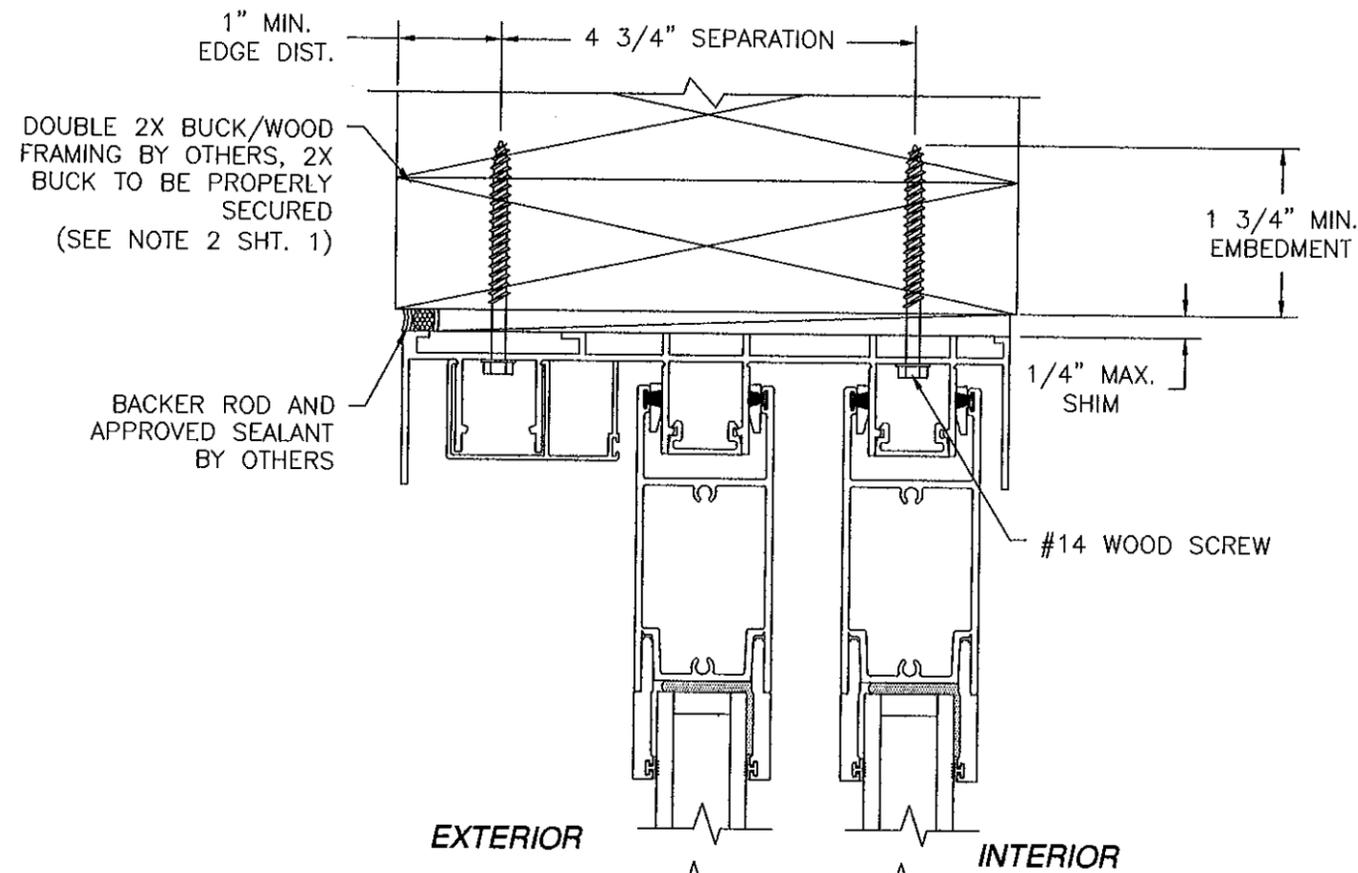
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 20 OF 26

Luis R. Lomas
Luis R. Lomas P.E.
Florida No. 62514

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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.

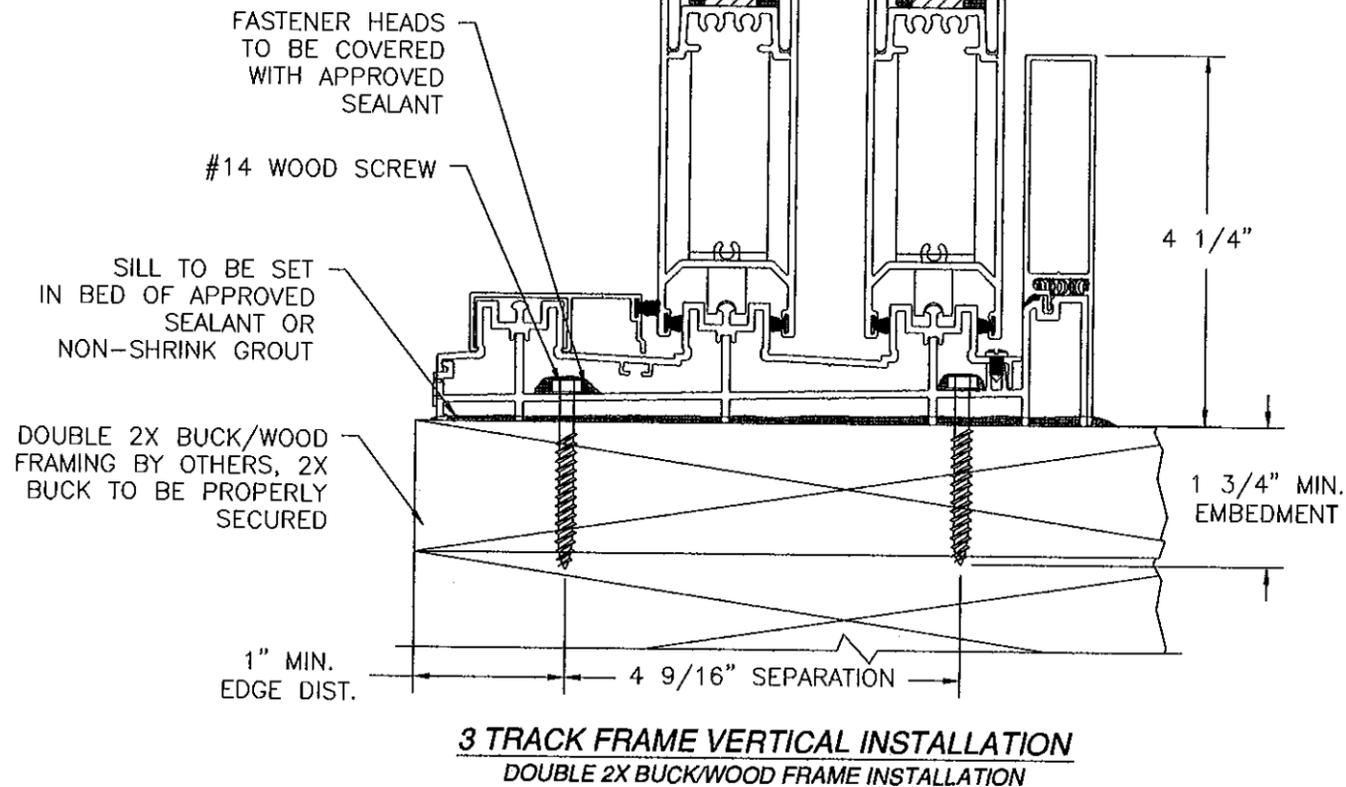


SEE NUMBER OF ANCHORS
REQUIRED AT JAMBS
PER TABLE SHEETS 8 & 9

3 TRACK FRAME JAMB INSTALLATION
DOUBLE 2X BUCK/WOOD FRAME INSTALLATION, 3
TRACK SHOWN 2 TRACK & 4 TRACK ARE SIMILAR

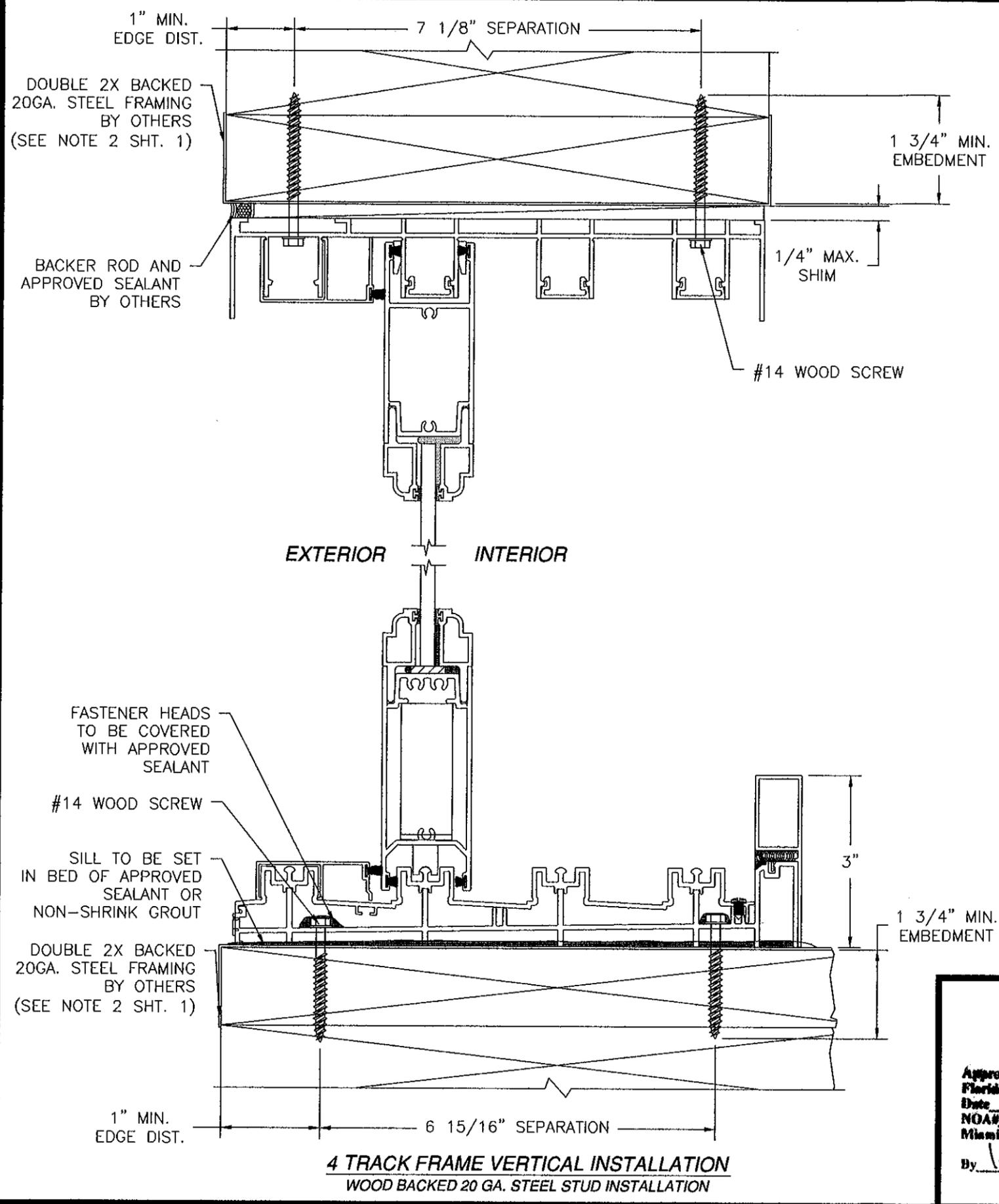
NOTE:
DOUBLE 2X BUCK/WOOD FRAME SUBSTRATE INSTALLATION FOR
3 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 4
TRACK SYSTEMS. SEE SHEET 10 FOR ANCHOR O.C.
SEPARATION.

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



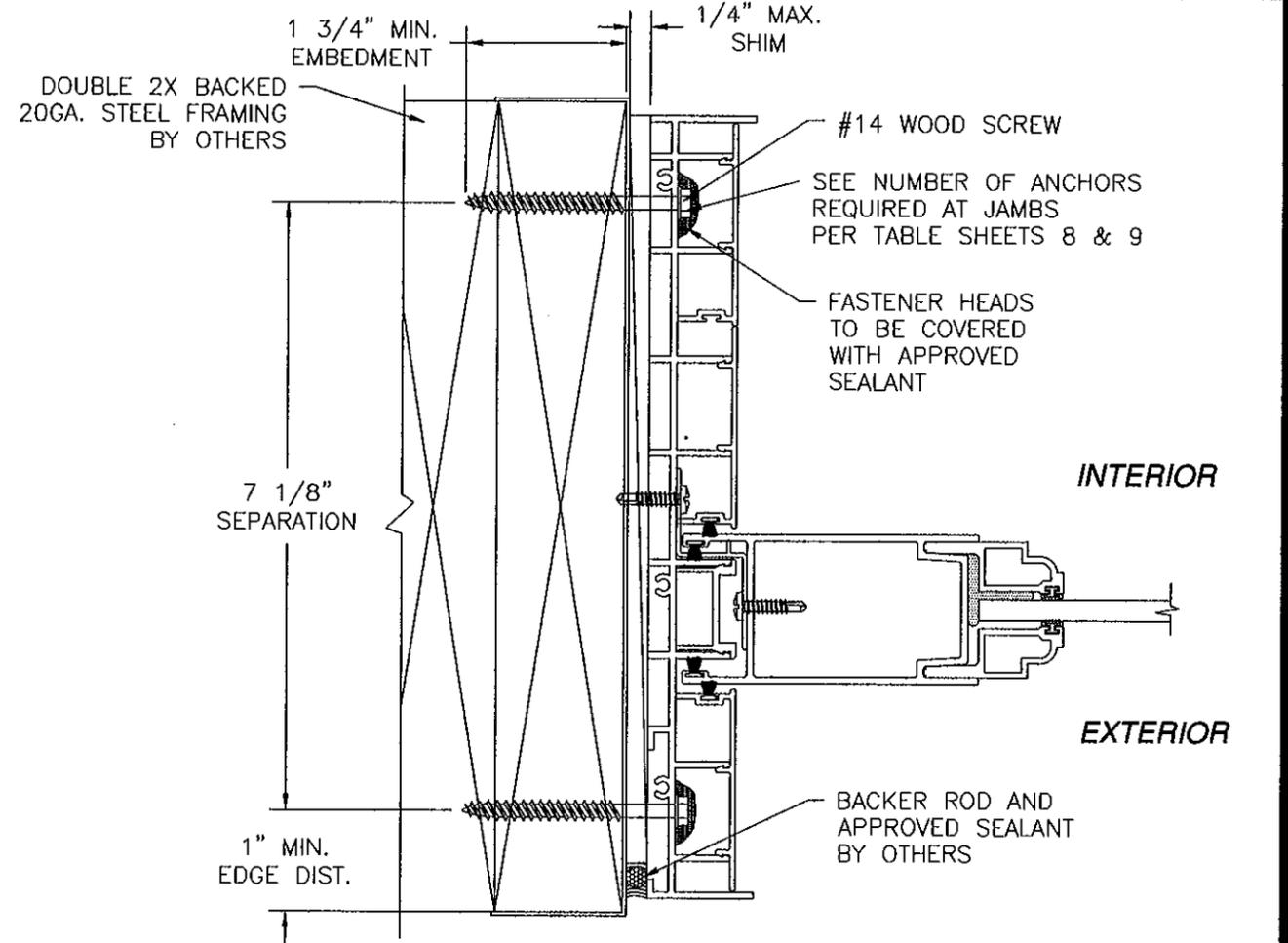
3 TRACK FRAME VERTICAL INSTALLATION
DOUBLE 2X BUCK/WOOD FRAME INSTALLATION

Approved as complying with the Florida Building Code Date <u>JUNE 23, 2011</u> NOA# <u>10-0422-05</u> Miami Dade Product Control By <u>Ishag I. Chaudhry</u>	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 B
SCALE NTS	DATE 02/04/10	SHEET 21 OF 26



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



4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK SHOWN 2 TRACK & 3 TRACK ARE SIMILAR

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 ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE USED PER DP TABLE SHEET 7.

Approved as complying with the Florida Building Code
Date JUNE 23, 2011
NOAH 10-0422-03
Miami Dade Product Control
By Luis R. Lomas

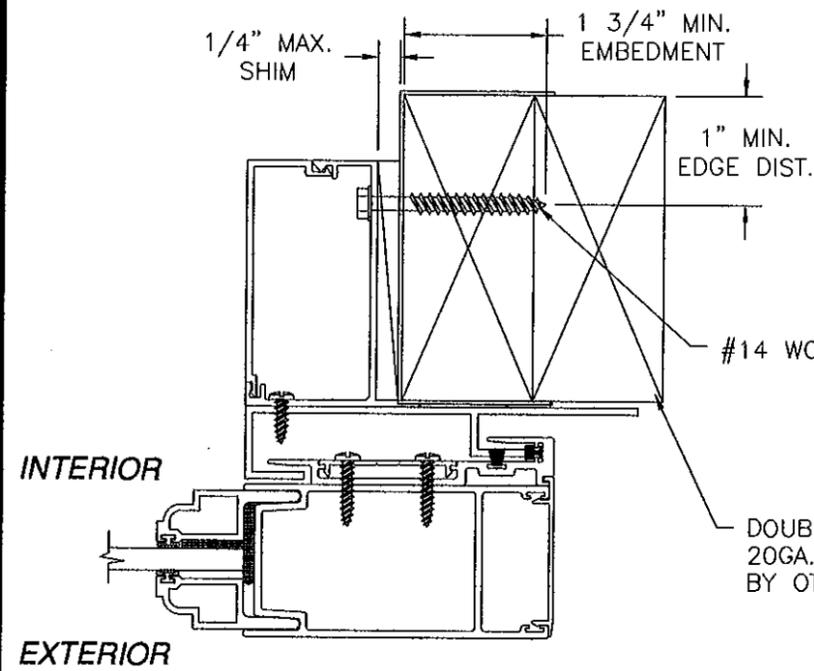
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

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

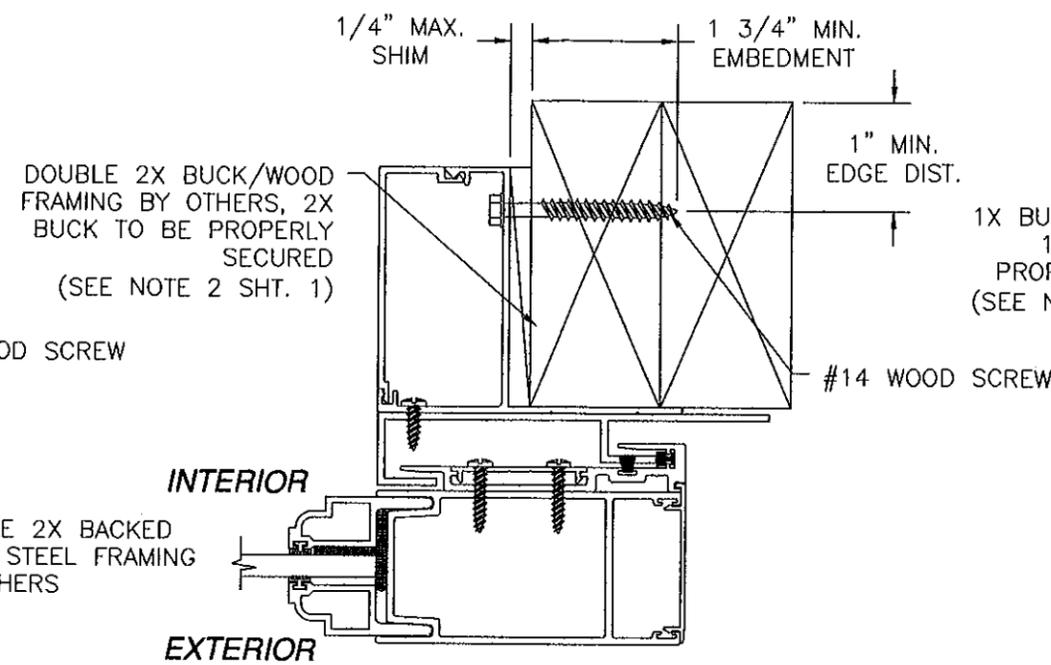
DRAWN: TJH
DWG NO. 08-00943
SCALE NTS
DATE 02/04/10
SHEET 22 OF 26

Luis R. Lomas
3/1/11
Luis R. Lomas P.E.
Florida No. 62514

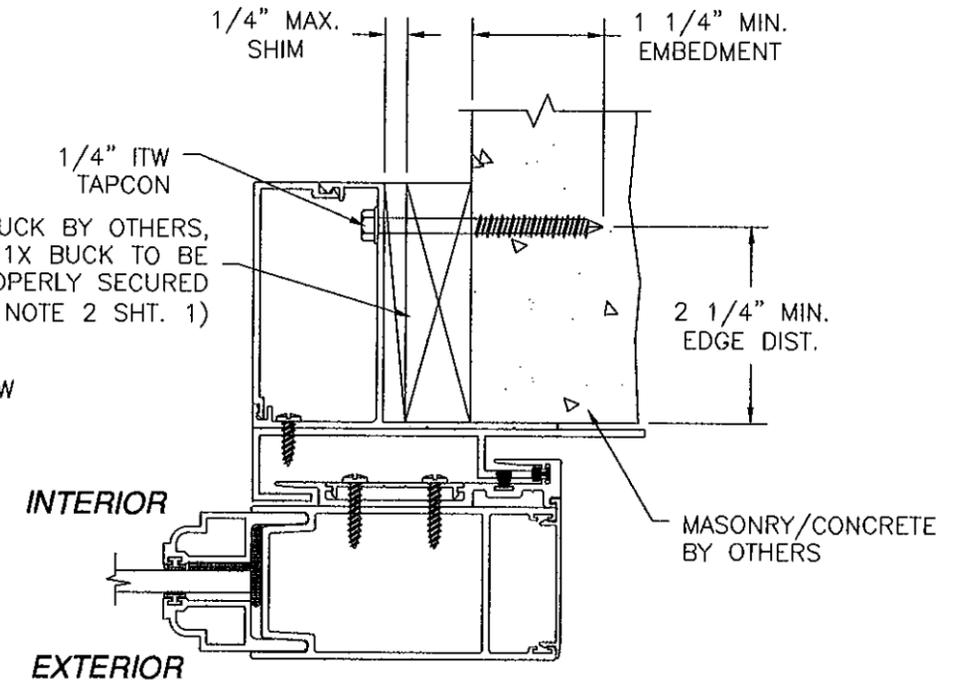
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.



POCKET HOOK STRIP
WOOD BACKED 20 GA. STEEL STUD INSTALLATION



POCKET HOOK STRIP
2X BUCK/WOOD FRAME INSTALLATION



POCKET HOOK STRIP
MASONRY/CONCRETE INSTALLATION

Approved as complying with the
Florida Building Code
Date JUNE 23, 2011
NOA# 10-0422-09
Miami Date Product Control
By Ismael L. Lopez

WinDoor
INCORPORATED

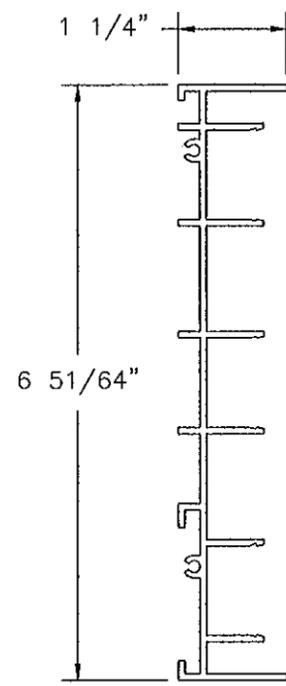
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
INSTALLATION DETAILS

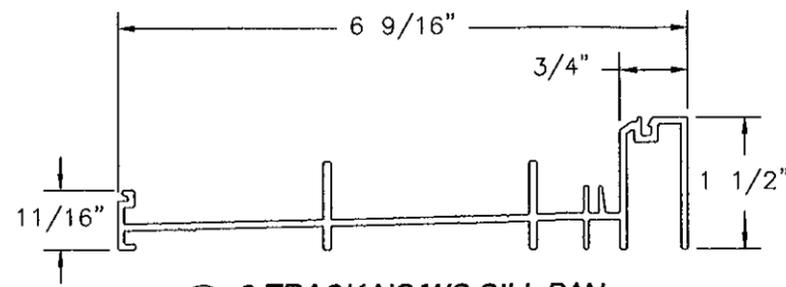
DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 23 OF 26

Luis R. Lomas
3/1/11
Luis R. Lomas P.E.
Florida No. 62514

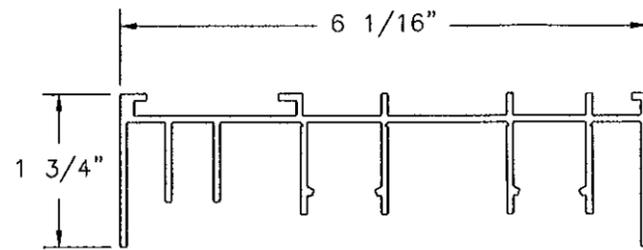
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.



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

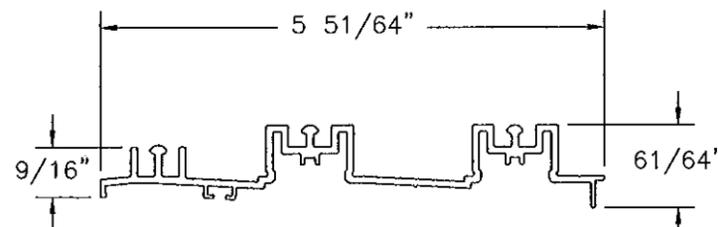
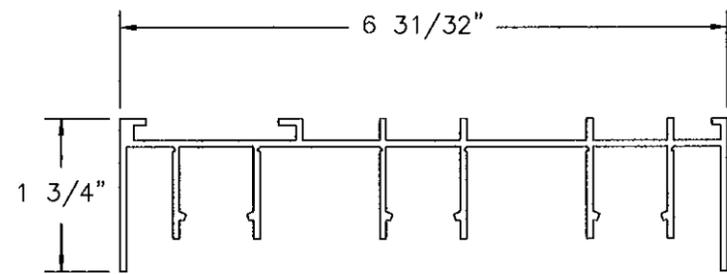


③ **2 TRACK NS/WS SILL PAN**
ALUMINUM 6063-T6 .075" THICK



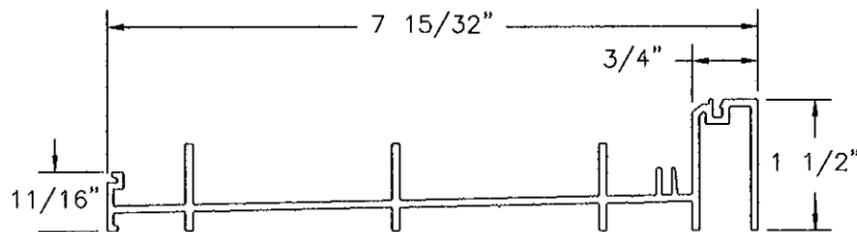
① **2 TRACK WS FRAME HEAD**
ALUMINUM 6063-T6 .075" THICK

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

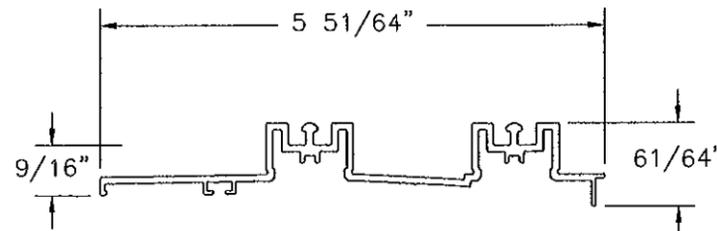


④ **2 TRACK WS SILL INSERT**
ALUMINUM 6063-T6 .075" THICK

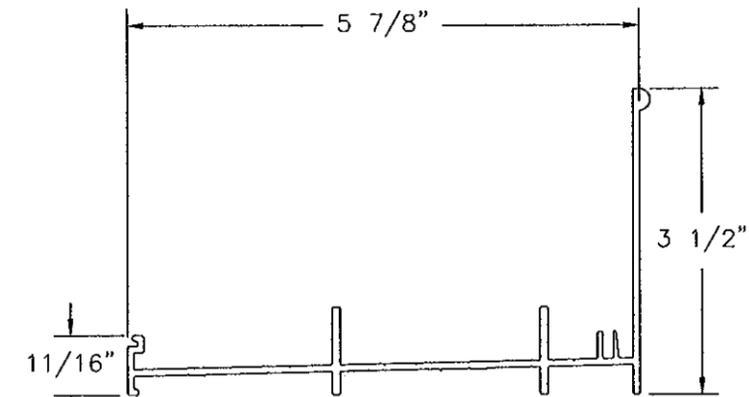
⑦ **3 TRACK FRAME HEAD**
ALUMINUM 6063-T6 .075" THICK



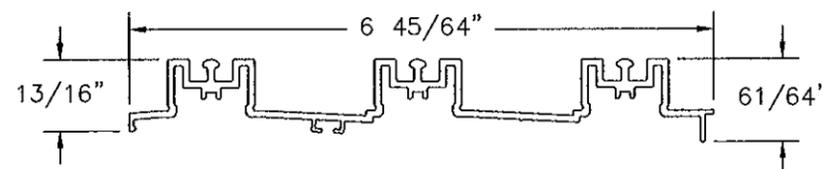
⑨ **3 TRACK SILL PAN**
ALUMINUM 6063-T6 .075" THICK



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



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



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

Approved as complying with the
Florida Building Code
Date JUNE 23, 2011
NOA# 10-0422-09
Miami Dade Product Control
By Shag L. Howard

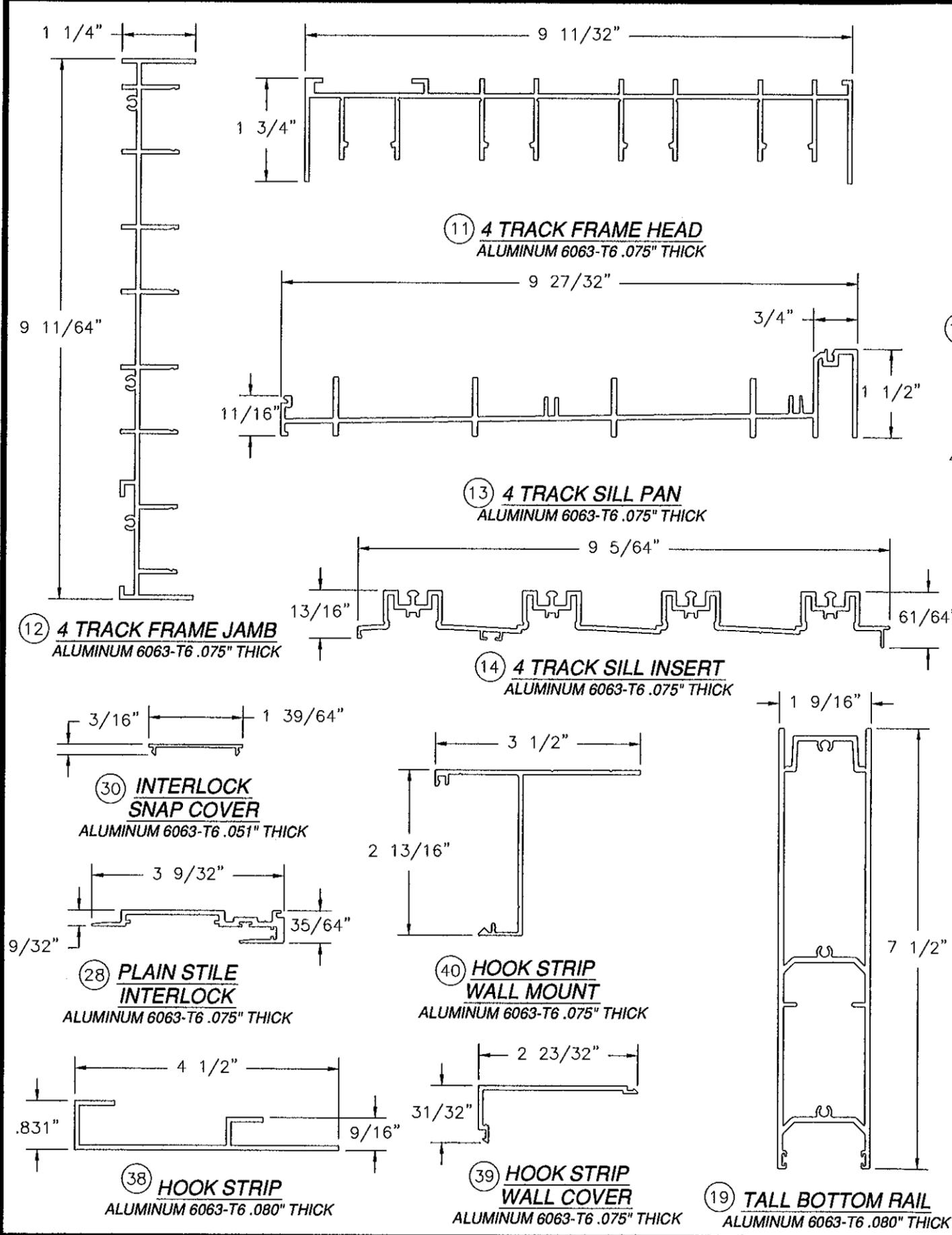
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8100 SERIES ALUMINUM SGD NON-IMPACT
REINFORCED & NON-REINFORCED
COMPONENTS

DRAWN: TJH	DWG NO. 08-00943	REV B
SCALE NTS	DATE 02/04/10	SHEET 24 OF 26

Luis R. Lomds
3/1/11
Luis R. Lomds, P.E.
Florida No. 62514

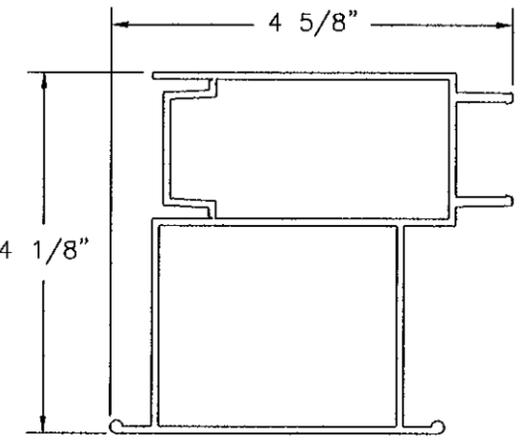


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 14, 2010	07/22/10	R.L.
B	PER DADE LETTER DATED OCT. 7, 2010	12/10/10	R.L.

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

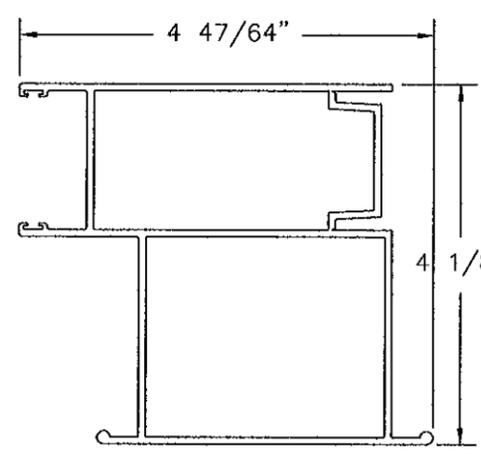
15) **FRAME HEAD INSERT**
ALUMINUM 6063-T6 .060" THICK

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

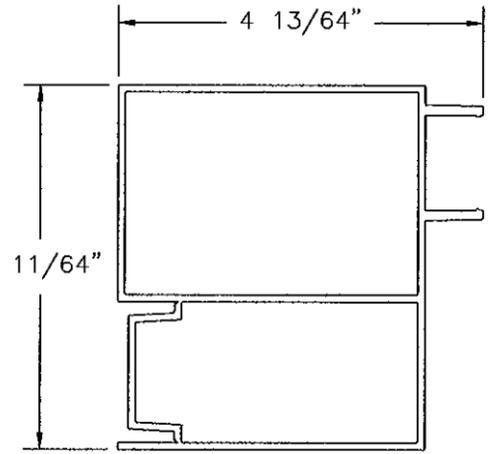


23) **FEMALE BUTT STILE EXT. OFFSET**
ALUMINUM 6063-T6 .080" THICK

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



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



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

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

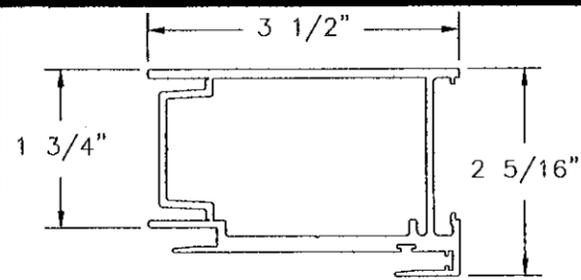
Approved as complying with the Florida Building Code
Date: JUN 23 2011
NOA# 16-0422-02
Miami Dade Product Control
By: *Lshag L. Grande*

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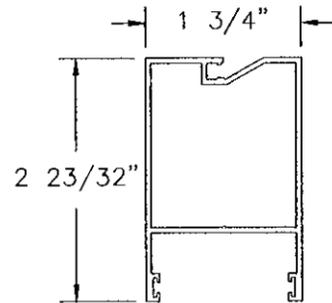
8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED COMPONENTS

DRAWN: TJH
DWG NO. 08-00943
SCALE NTS
DATE 02/04/10
SHEET 25 OF 26
REV B

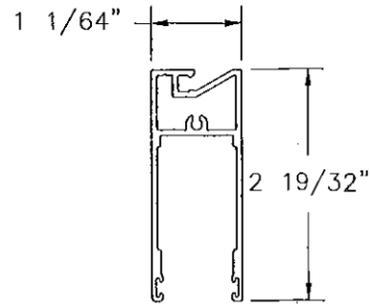
Luis R. Lomas
3/1/11
Luis R. Lomas P.E.
Florida No. 62514



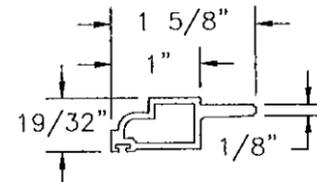
22 INTERLOCK STILE
ALUMINUM 6063-T6 .080" THICK



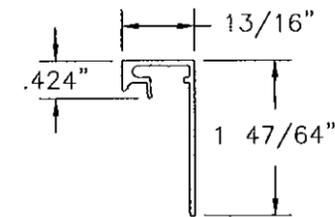
73 MT SCREEN STILE
ALUMINUM 6063-T6 .060" THICK



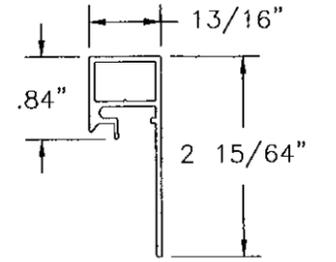
76 BOX SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .062" THICK



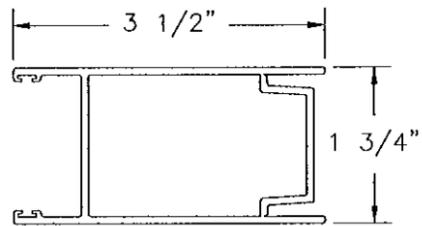
41 1/4" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .070" THICK



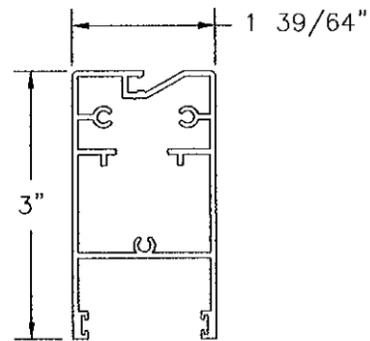
33 1 3/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



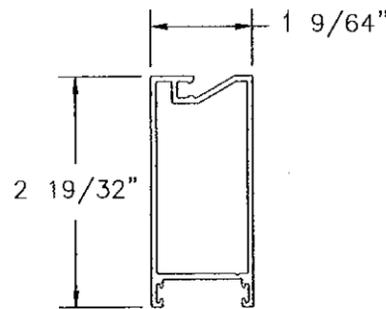
34 2 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



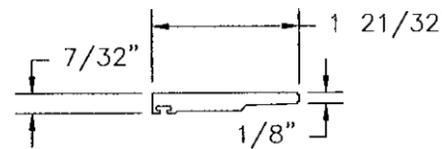
21 LOCK STILE
ALUMINUM 6063-T6 .080" THICK



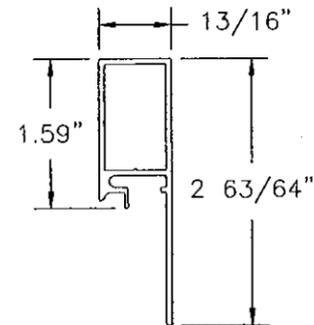
72 MT SCREEN TOP/BOTTOM RAIL
ALUMINUM 6063-T6 .060" THICK



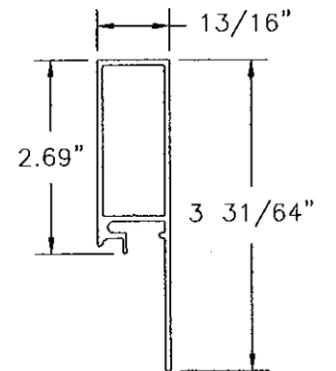
73 BOX SCREEN STILE
ALUMINUM 6063-T6 .062" THICK



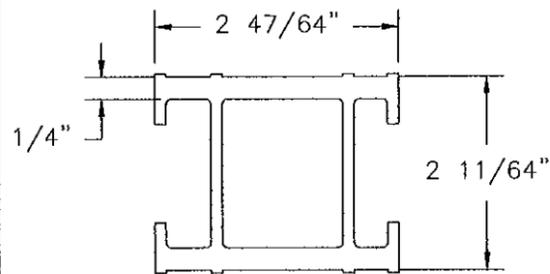
44 1" VERTICAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



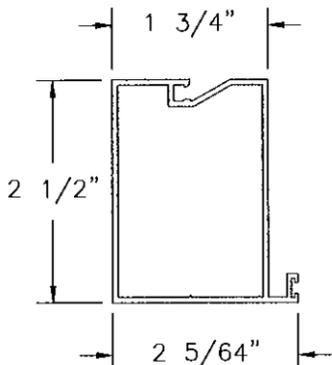
35 3" SILL RISER
ALUMINUM 6063-T6 .060" THICK



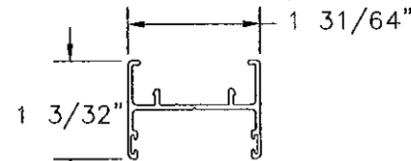
36 3 1/2" SILL RISER
ALUMINUM 6063-T6 .060" THICK



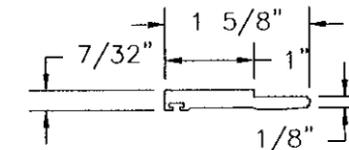
47 FEMALE BUTT STILE REINFORCING BAR
ALUMINUM 6005-T6 .125" THICK



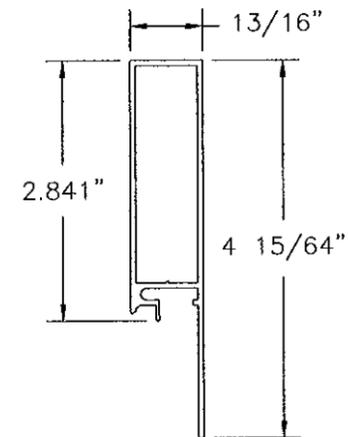
74 MT SCREEN STILE W/SEAL
ALUMINUM 6063-T6 .060" THICK



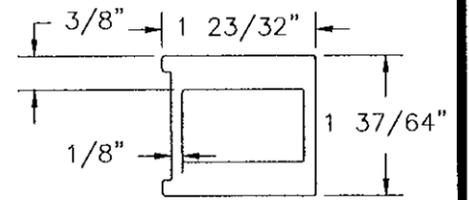
79 BOX SCREEN ASTRAGAL
ALUMINUM 6063-T6 .050" THICK



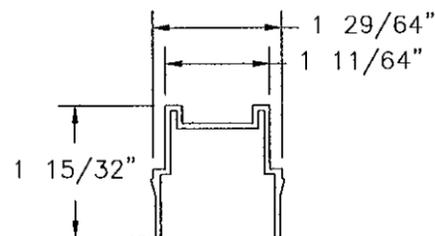
43 1" HORIZONTAL GLASS STOP
ALUMINUM 6063-T6 .20" THICK



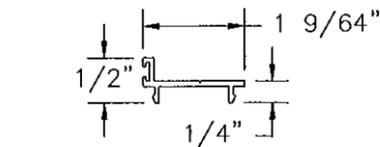
37 4 1/4" SILL RISER
ALUMINUM 6063-T6 .060" THICK



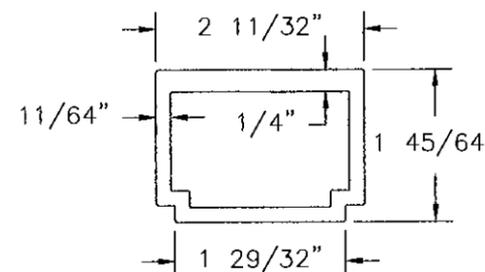
45 6000 BUTT STILE REINFORCING BAR
ALUMINUM 6061-T6 .375" THICK



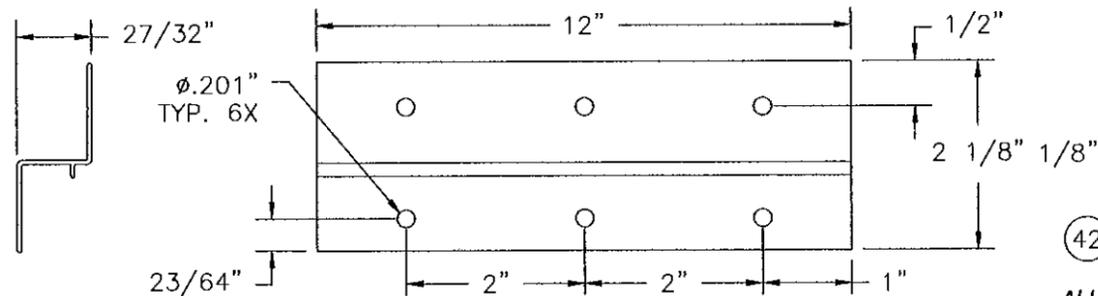
75 MT SCREEN ASTRAGAL
ALUMINUM 6063-T6 .060" THICK



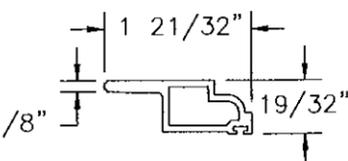
78 BOX SCREEN SWEEP
ALUMINUM 6063-T6 .060" THICK



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

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.

<p>Approved as complying with the Florida Building Code Date: <u>JUNE 23, 2011</u> NOA#: <u>10-0022-09</u> Miami Dade Product Control By: <u>[Signature]</u></p>	<p>WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com</p>		<p><i>[Signature]</i> 3/1/11 No. 68111 Luis R. Lomas, P.E. Florida, No. 62514</p>
	<p>8100 SERIES ALUMINUM SGD NON-IMPACT REINFORCED & NON-REINFORCED COMPONENTS</p>		
<p>DRAWN: TJH</p>	<p>DWG NO. 08-00943</p>	<p>REV B</p>	
<p>SCALE NTS</p>	<p>DATE 02/04/10</p>	<p>SHEET 26 OF 26</p>	