



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

CGI Windows & Doors
10100 N. W. 25th street,
Miami, Fl. 33172

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 "7600" Vinyl Sliding Glass Door (Reinforced)-L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-SGD-7600.01, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 06/11/15, signed and sealed by Anthony L. Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See table 2 (sheet 8) and table 3 (sheet 9) of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements types, glass types, sill riser (detail sheet 6) and anchors requirements.
2. See sheet (12) for panel configurations & limitations. Size over 96" height is limited to max 4-panels.
3. Rigid White PVC, Tan (Non-white) Rigid PVC and Brown coated (Painted or laminated) white Rigid PVC to be labeled per referenced NOA's requirements.
4. Egress operable doors must comply with min clear width or height per FBC requirement, as applicable.
5. Pocket walls under separate approval, to be reviewed by Building official.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 NOA #15-0409.02 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 15-0409.06
Expiration Date: April 14, 2016
Approval Date: June 18, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files **see below**).
2. Drawing No. **MD-SGD-7600.01**, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 06/11/15, signed and sealed by Lynn Miller, P.E.
Note: This revision consists of series changes and FBC update.

B. TESTS (Submitted under files #15-0409.02)

1. Test report on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 6638** (samples A-1 thru A-22), dated 11/19/10, signed and sealed by Jorge A. Causo, P. E.

(The above test report has an addendum letter dated 3-11-11, issued by FTL, signed and sealed by Marlin D. Brinson, P.E. (reviewing Engineer).

2. Additional test report No. **FTL 6637** (samples A-1 thru A-5) per TAS 202-94, issued by Fenestration Testing Lab, Inc., dated 12/06/10, signed and sealed by Jorge A. Causo, P. E.

C. CALCULATIONS (Submitted under files #15-0409.02)

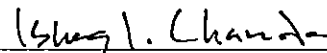
1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by PGT, dated 03/30/15 and last revised on 06-09-15, signed and sealed by Anthony L. Miller, P.E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0820.11** issued to Vision Extrusion Ltd for their "White Rigid PVC", expiring on 09/30/19.
2. Notice of Acceptance No. **11-0902.10** issued to Vision Extrusion Ltd for their "VE 1000 Tan (Non-White) Rigid PVC", expiring on 12/29/16.
3. Notice of Acceptance No. **14-0820.12** issued to Vision Extrusion Ltd for their "Brown Coated (Painted or Laminated) White Rigid PVC", expiring on 09/30/19
4. Test reports No(s). 10-002-792(A), 10-006-10231, 535753-09, per ASTM E-84, ASTM D1929 and ASTM D-635, issued by EXOVA to Vision Extrusion for cellulosic composite material.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0409.06

Expiration Date: April 14, 2016

Approval Date: June 18, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue):

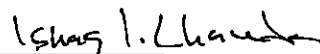
5. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ®**", expiring on 01/14/17.
6. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours for "**Butacite PVB Interlayer**", expiring on 12-11-2016.

F. STATEMENTS

1. Statement letters dated 03/30/15 compliance to FBC 2014 (5th Edition) and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E. (Submitted under files **#15-0409.02**).
2. Private labeling agreement document in conformance of RER guideline dated 03/30/15.
3. Letter of lab compliance, part of the above test reports.

G. OTHER

1. This NOA revises **#15-0409.02**, expiring April 14, 2016.
2. Vinyl cladding extrusion and aluminum riser sectional properties comparison dated 06/11/15, signed and sealed by Anthony L. Miller, P.E.
3. Test proposal dated 03/03/10, approved by Jaime D. Gascon, P.E.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 15-0409.06
Expiration Date: April 14, 2016
Approval Date: June 18, 2015

GENERAL NOTES: SERIES 7600 LARGE MISSILE, IMPACT-RESISTANT, VINYL, REINFORCED SLIDING GLASS DOOR

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. THE RIGID WHITE, BROWN & TAN PVC MANUFACTURED BY VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS, (COMPONENT REQUIREMENTS).

2) GLAZING TYPE OPTIONS: (FROM EXTERIOR TO INTERIOR); T=TEMPERED, HS=HEAT STRENGTHED, AN=ANNEALED, SG=.090" SENTRYGLAS® (FORMERLY KNOWN AS SENTRYGLAS® PLUS), PVB=.090" BUTACITE PVB:

- GLASS TYPE A: 3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T CAP
GLASS TYPE B: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 7/16" AIR SPACE + 3/16" T CAP
GLASS TYPE C: 3/16" HS GLASS + .090" PVB INTERLAYER + 3/16" AN GLASS + 9/16" AIR SPACE WITH HEAT-MIRROR FILM + 3/16" T CAP
APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY THE FOLLOWING MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS: 1/4" ELCO ULTRACON OR 1/4" ELCO CRETEFLEX. SEE TABLE 1, SHEET 6 FOR DETAILS.

4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 6. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

5) IF SILL IS TIGHT TO SUBSTRATE, GROUT IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) (MAX. 1/4" SHIM SPACE FOR GROUT) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION, COMPLYING WITH FBC.

6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENTS SHOWN ON TABLE 1, SHEET 6. PROPER SEALING OF ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

7) DESIGN PRESSURES:

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E-1300.

8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) SHUTTERS ARE NOT REQUIRED.

10) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE. MAXIMUM OF (8) EIGHT PANEL CONFIGURATION FOR FRAME HEIGHTS UP TO 96" OR (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 96" AND UP TO 120".

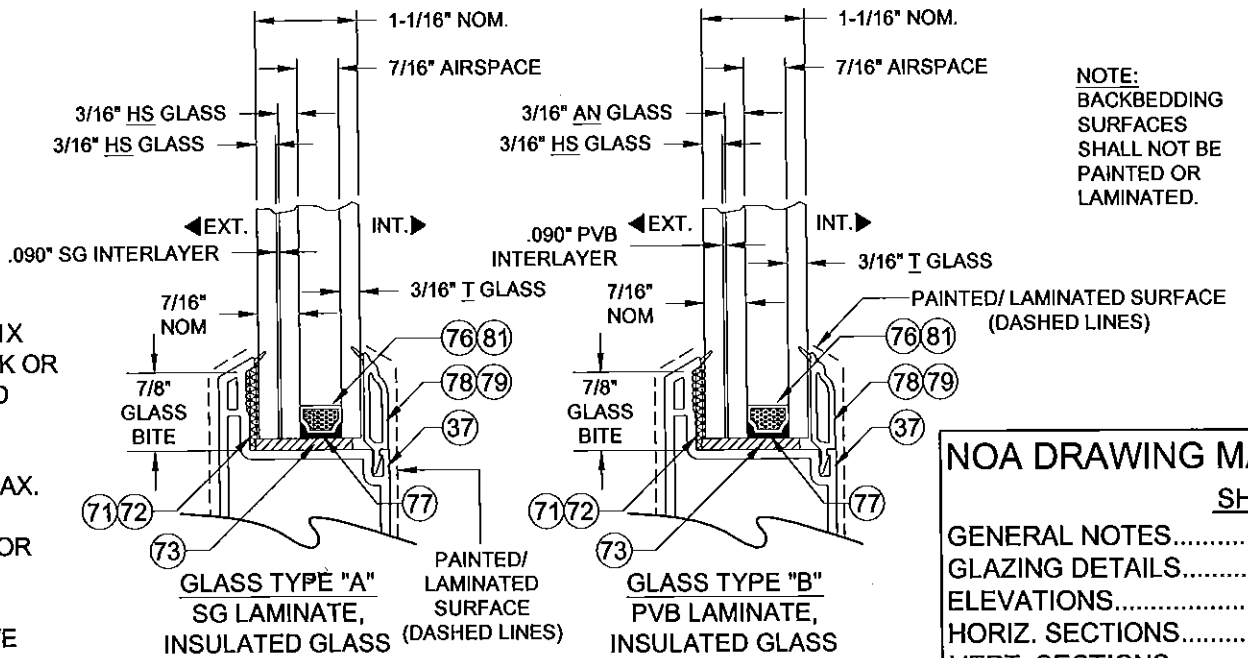
11) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON PER CURRENT NOA; ELCO CRETEFLEX PER CURRENT NOA; VISION EXTRUSION, LTD: WHITE RIGID PVC PER CURRENT NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC PER CURRENT NOA AND BROWN COATED (PAINTED OR LAMINATED) WHITE RIGID PVC PER CURRENT NOA; ANSI/AF&PA NDS FOR WOOD CONSTRUCTION AND ADM ALUMINUM DESIGN MANUAL

12) INTERLAYER MAY BE MANUFACTURED BY E.I. DUPONT DENEMOURS & CO., INC. OR KURARAY AMERICA, INC.

INSTRUCTIONS:

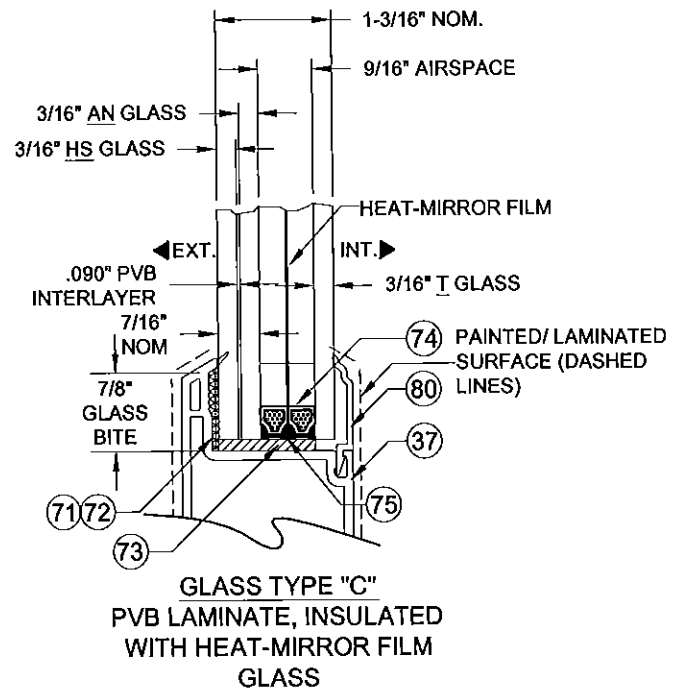
- KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM THE DESIGN PRESSURE TABLES. FOR GLASS TYPES B OR C, USE TABLE 3, SHEET 9. FOR GLASS TYPE A, USE TABLE 2, SHEET 8.
- LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. WHEN FINDING YOUR SIZE IN THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE.
- CHOOSE WHICH ANCHOR OPTION (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE 1, SHEET 6, ALONG WITH THE APPROPRIATE SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
- FROM THE DESIGN PRESSURE TABLES (TABLES 2-3, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
- INSTALL AS PER THE INSTRUCTIONS AND DETAILS ON SHEETS 2-7.
- ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

DESIGN PRESSURE RATING	IMPACT RATING
VARIABLES, SEE SHEETS 8 & 9	LARGE & SMALL MISSILE IMPACT

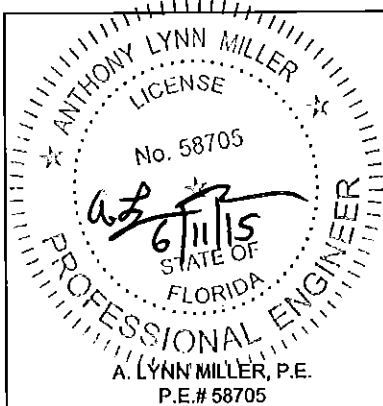


NOA DRAWING MAP

SHEET
GENERAL NOTES.....1
GLAZING DETAILS.....1
ELEVATIONS.....2-4
HORIZ. SECTIONS.....5
VERT. SECTIONS.....6
ACCESSORIES.....7
DESIGN PRESSURES.....8-9
EXTRUSIONS.....10
PARTS LIST.....11
CONFIGURATIONS.....12
PANEL TYPES.....13



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0409.06
Expiration Date 02/14/2016
By: [Signature]
Miami Dade Product Control

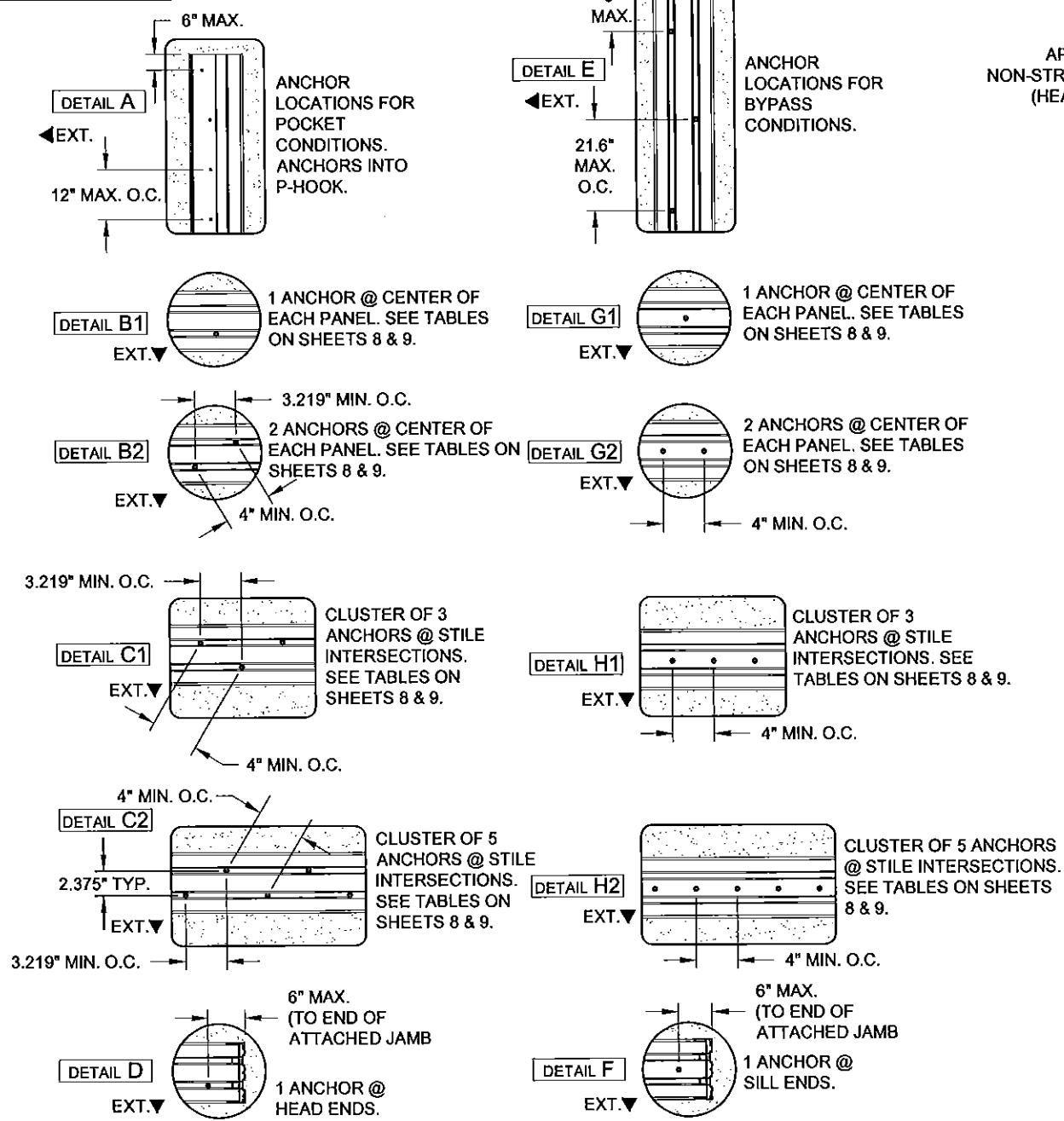


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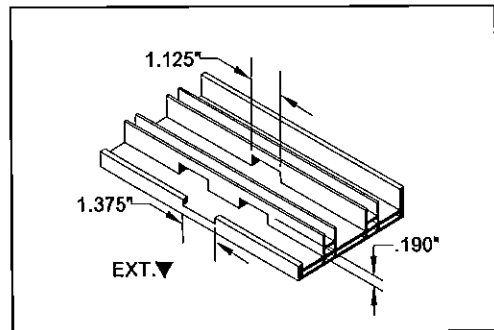
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: GENERAL NOTES & GLASS TYPES		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 1 OF 13
Drawing No. MD-SGD7600-01		Rev: 11/18/10

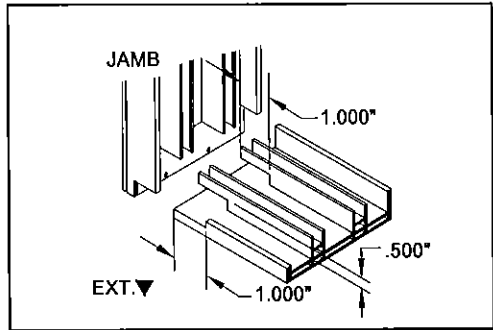
2-TRACK CONFIGURATIONS



NOTE: SEE TABLE 1, SHEET 6 FOR ANCHOR EDGE DISTANCE AND EMBEDMENT.

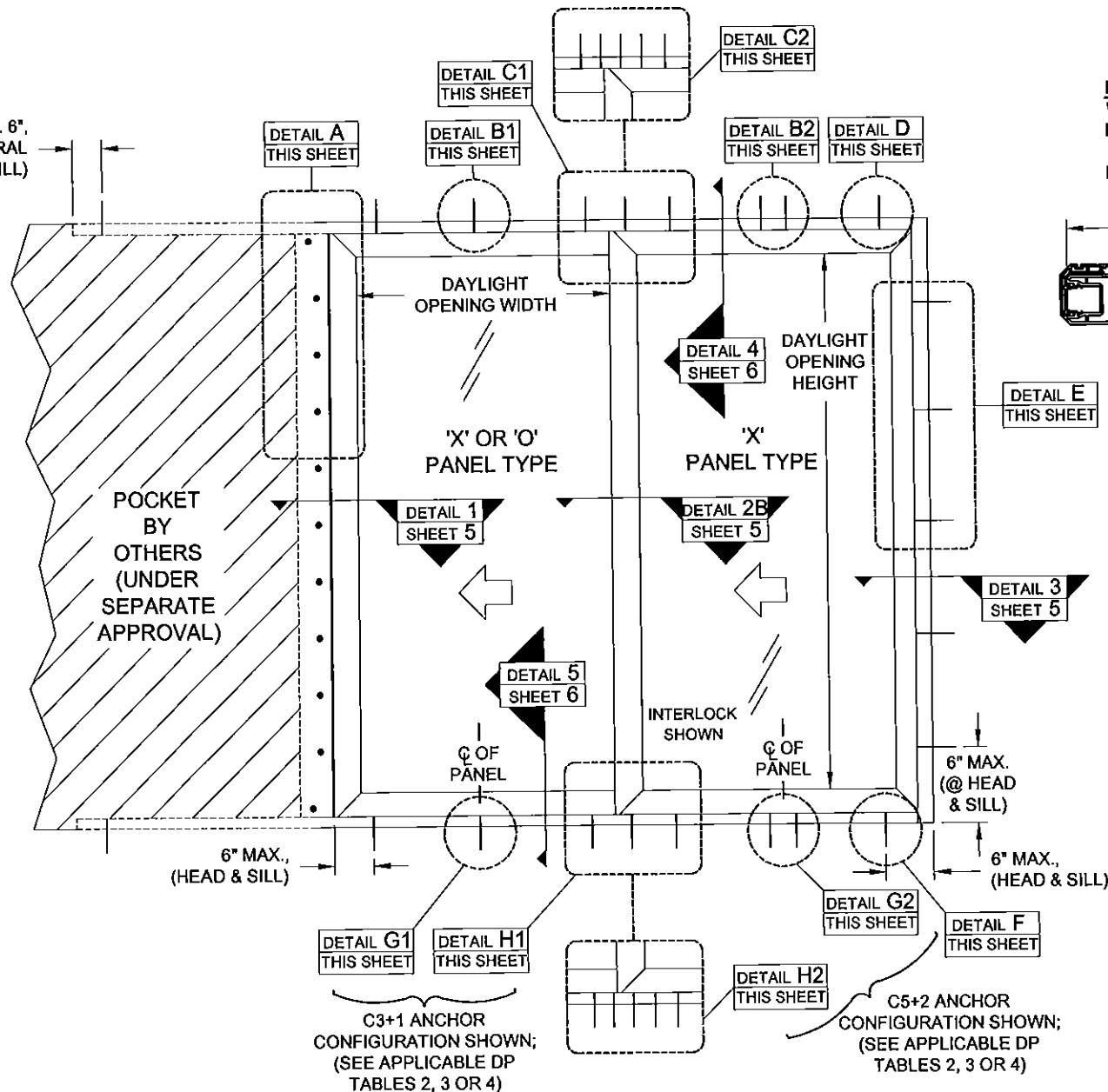


WEEPHOLE PATTERN @ 24" O.C.

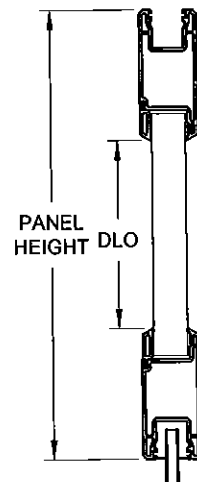
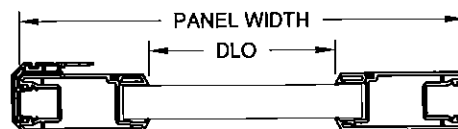


WEEPHOLE PATTERN @ SILL ENDS

APPROX. 6"
NON-STRUCTURAL
(HEAD & SILL)

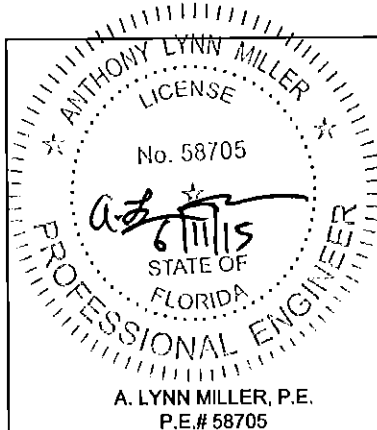


DAYLIGHT OPENING (DLO) FORMULAS
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
PANEL HEIGHT = FRAME HEIGHT - 2.5"



- NOTES:**
- 1) FOR CONFIGURATIONS, SEE SHEET 12.
 - 2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
 - 3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
 - 4) PANEL HEIGHT = FRAME HEIGHT - 2.5"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0409.06
Expiration Date 4/14/16
By *Ismael L. Chaves*
Miami Dade Product Control



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Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

Description:
ANCHOR LOCATIONS (2 TRACKS)

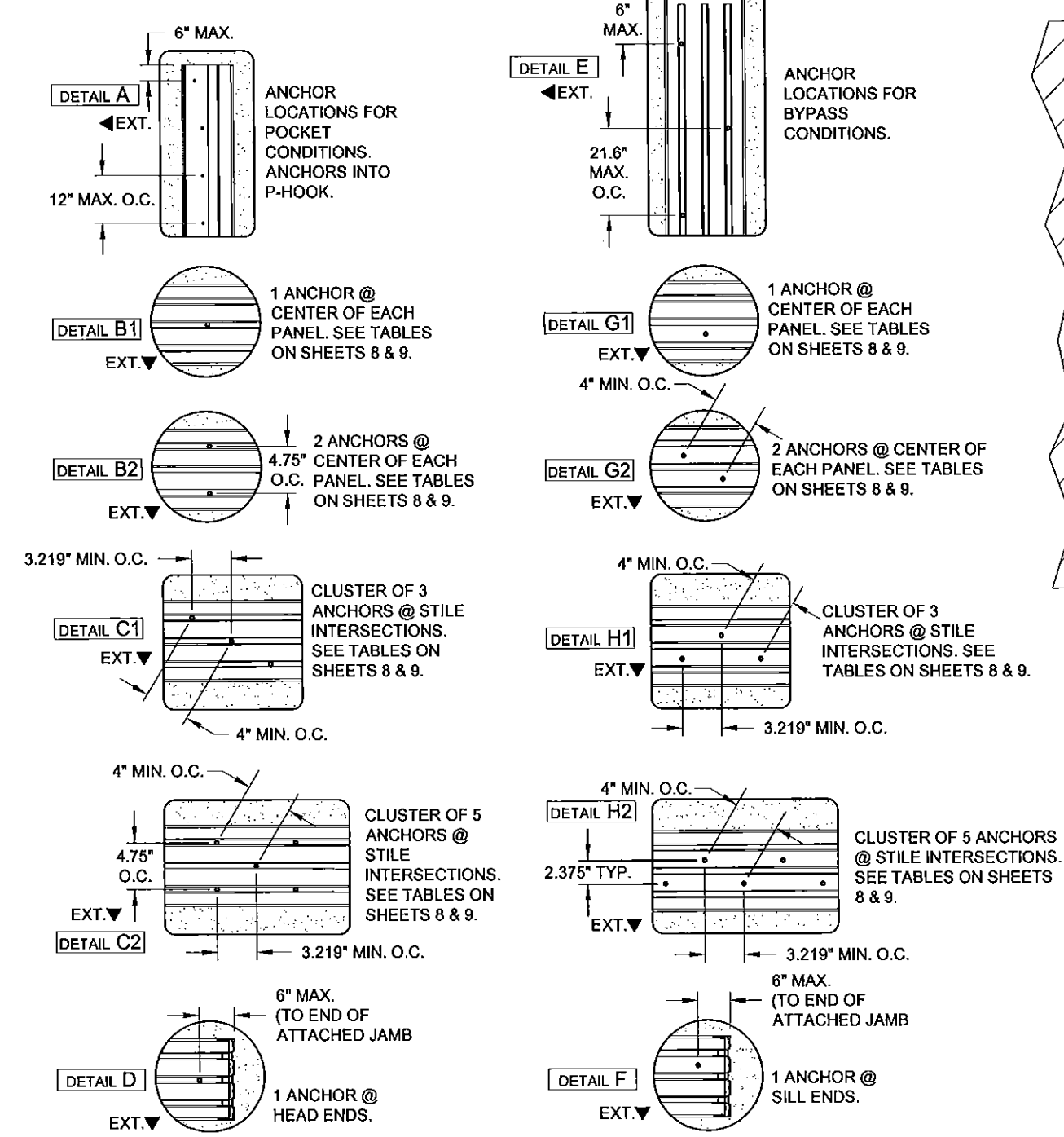
Title:
VINYL SGD INSTALLATION GUIDELINES

Series/Model: 7600	Scale: NTS	Sheet: 2 OF 13	Drawing No. MD-SGD7600-01	Rev:
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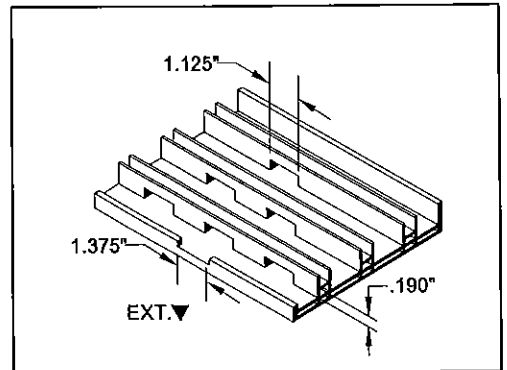
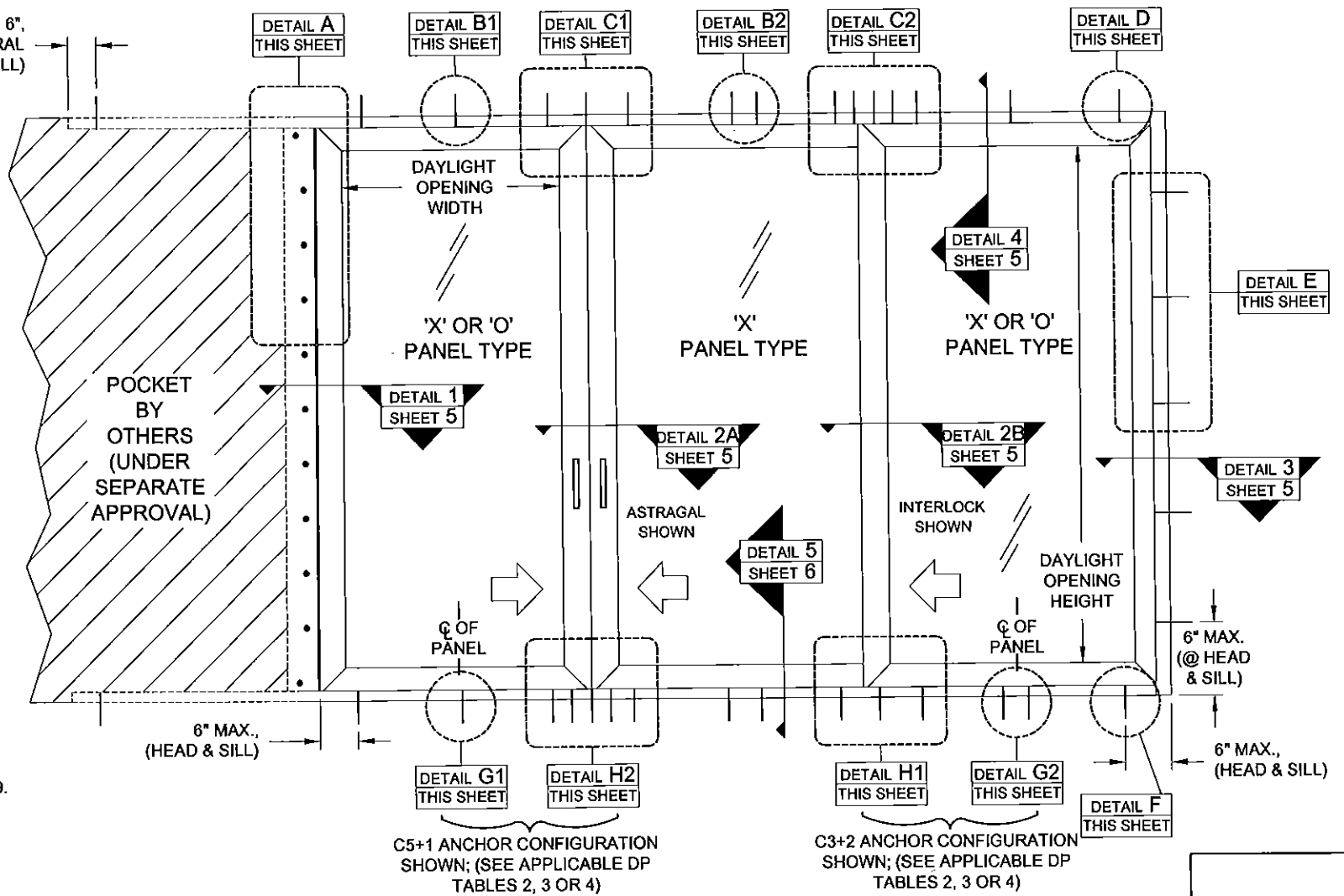
Drawn By:
J ROSOWSKI

Date:
11/18/10

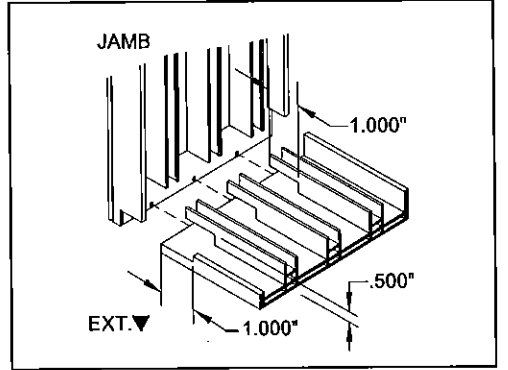
3-TRACK CONFIGURATIONS



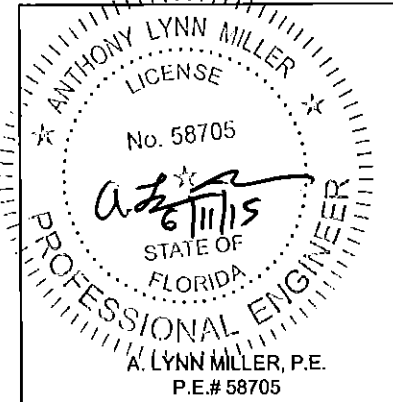
NOTES:
1) FOR CONFIGURATIONS, SEE SHEET 12.
2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 8-9/16"
HEIGHT: PANEL HEIGHT - 8-9/16"
4) PANEL HEIGHT = FRAME HEIGHT - 2.5"



WEEPHOLE PATTERN @ 24" O.C.



WEEPHOLE PATTERN @ SILL ENDS



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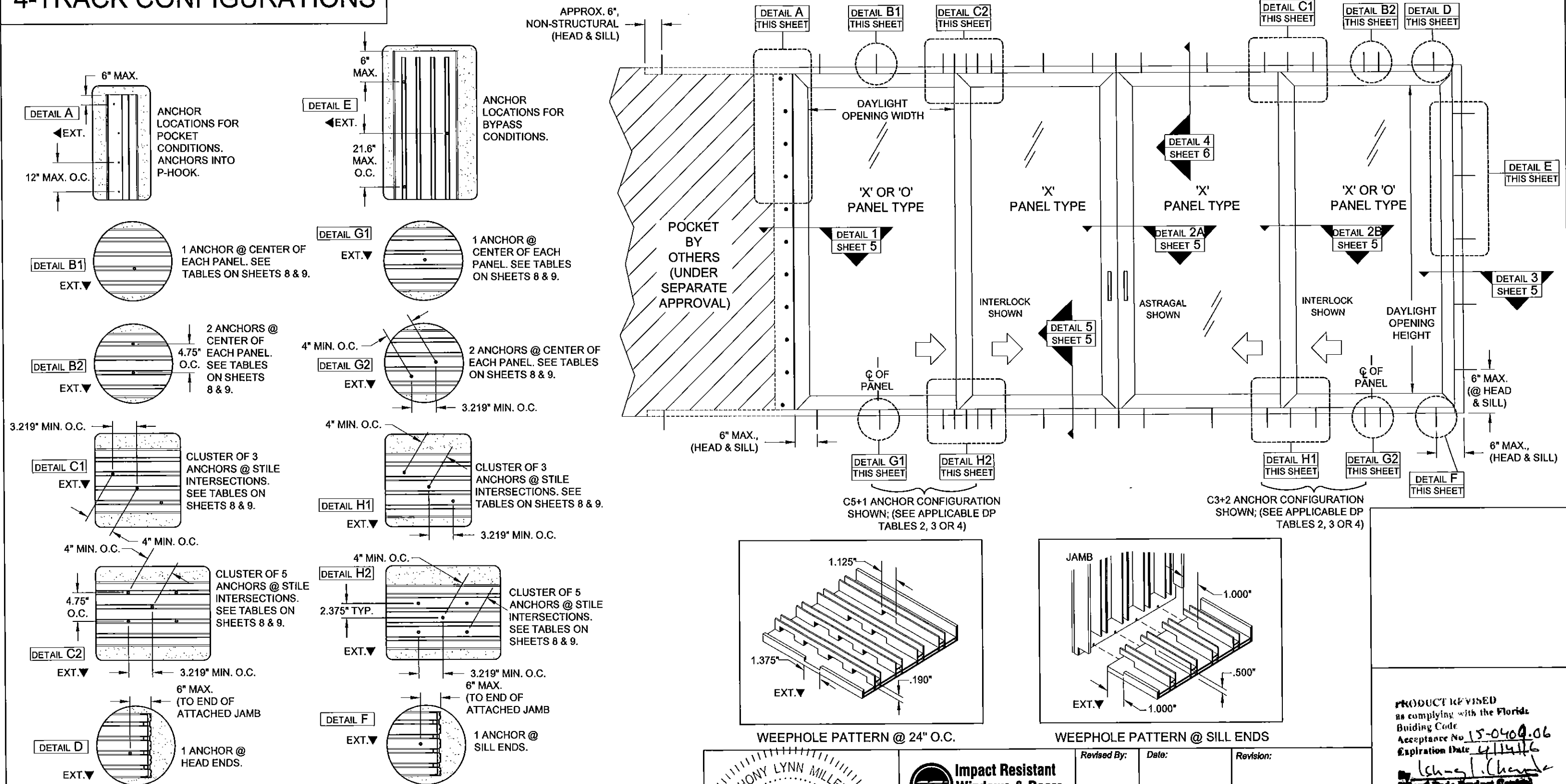
PREPARED BY: A. LYNN MILLER, P.E.
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Revised By:	Date:	Revision:
Revised By:	Date:	Revision:

Description: ANCHOR LOCATIONS (3 TRACKS)			Drawn By: J ROSOWSKI	
Title: VINYL SGD INSTALLATION GUIDELINES			Date: 11/18/10	
Series/Model: 7600	Scale: NTS	Sheet: 3 OF 13	Drawing No. MD-SGD7600-01	Rev:

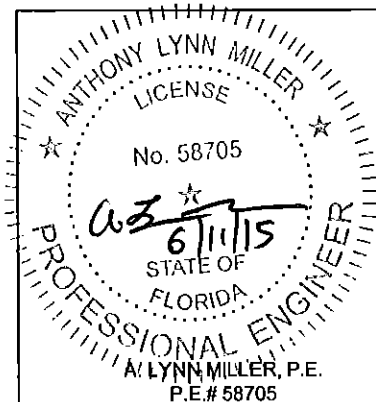
PRODUCT REVISED
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Acceptance No. 15-0469-06
Expiration Date 4/14/16
By: *Shaghi Choudhury*
Brand Name/Product Code

4-TRACK CONFIGURATIONS



NOTES:

- 1) FOR CONFIGURATIONS, SEE SHEET 12.
- 2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 6.
- 3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: $\text{PANEL WIDTH} - 8\text{'-}9\text{'}/16\text{'}$
HEIGHT: $\text{PANEL HEIGHT} - 8\text{'-}9\text{'}/16\text{'}$
- 4) $\text{PANEL HEIGHT} = \text{FRAME HEIGHT} - 2\text{'-}5\text{'}$



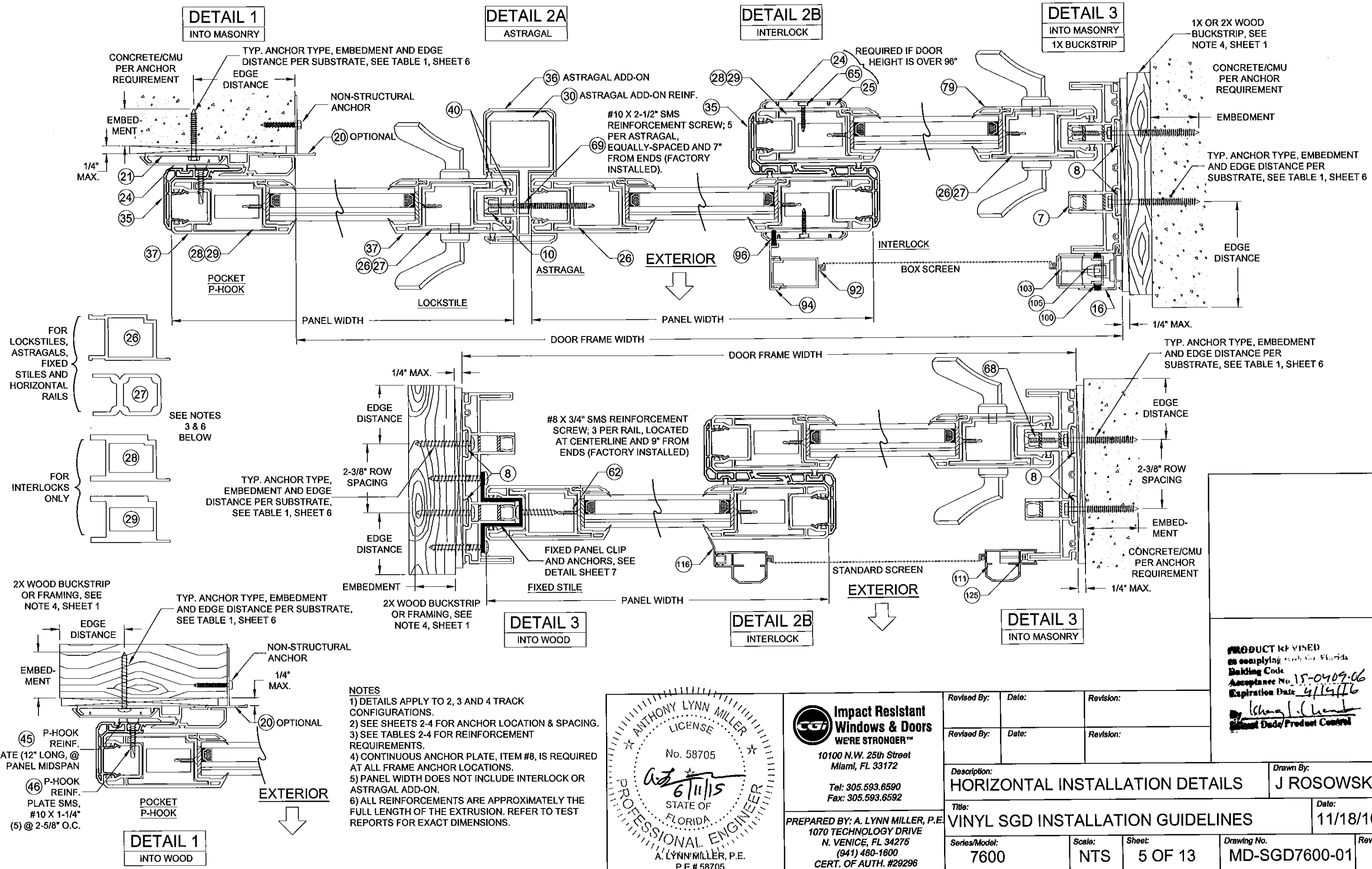
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PREPARED BY: A. LYNN MILLER, P.E.
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Revised By:	Date:	Revision:
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as complying with the Florida
Building Code
Acceptance No. 15-0400.06
Expiration Date 4/14/16
By Lsh-g.l. Chambers
Product Control

Description: ANCHOR LOCATIONS (4 TRACKS)				Drawn By: J ROSOWSKI	
Title: VINYL SGD INSTALLATION GUIDELINES					Date: 11/18/10
Series/Model: 7600		Scale: NTS	Sheet: 4 OF 13	Drawing No. MD-SGD7600-01	
Rev:					



NOTES

1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.

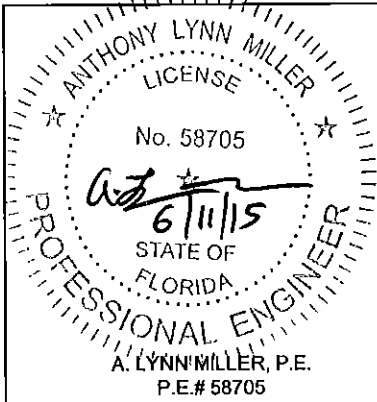
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.

3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.

4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.

6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.



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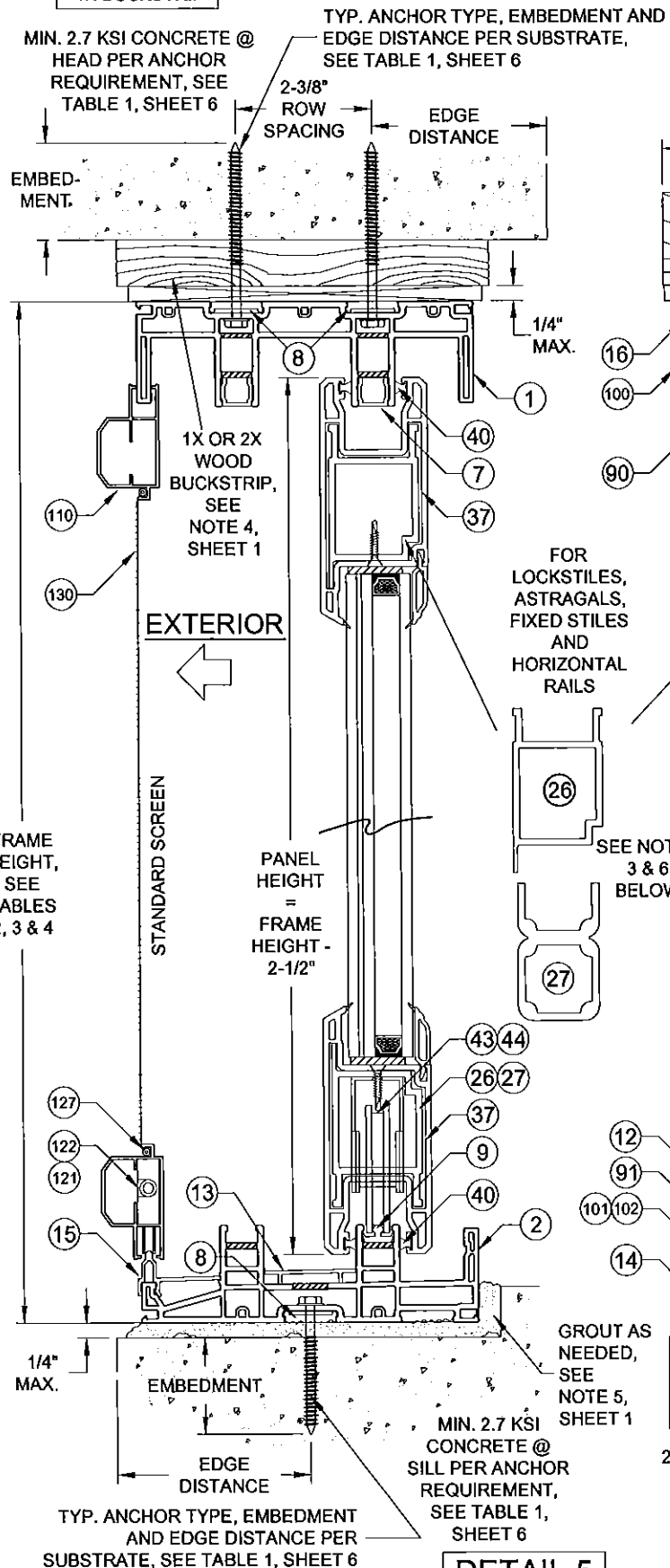
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: HORIZONTAL INSTALLATION DETAILS		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 5 OF 13
Drawing No. MD-SGD7600-01		Rev:
Date: 11/18/10		Rev:

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 Acceptance No. 15-0909-06
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 General Data/Product Control

Drawn By: J ROSOWSKI

DETAIL 4

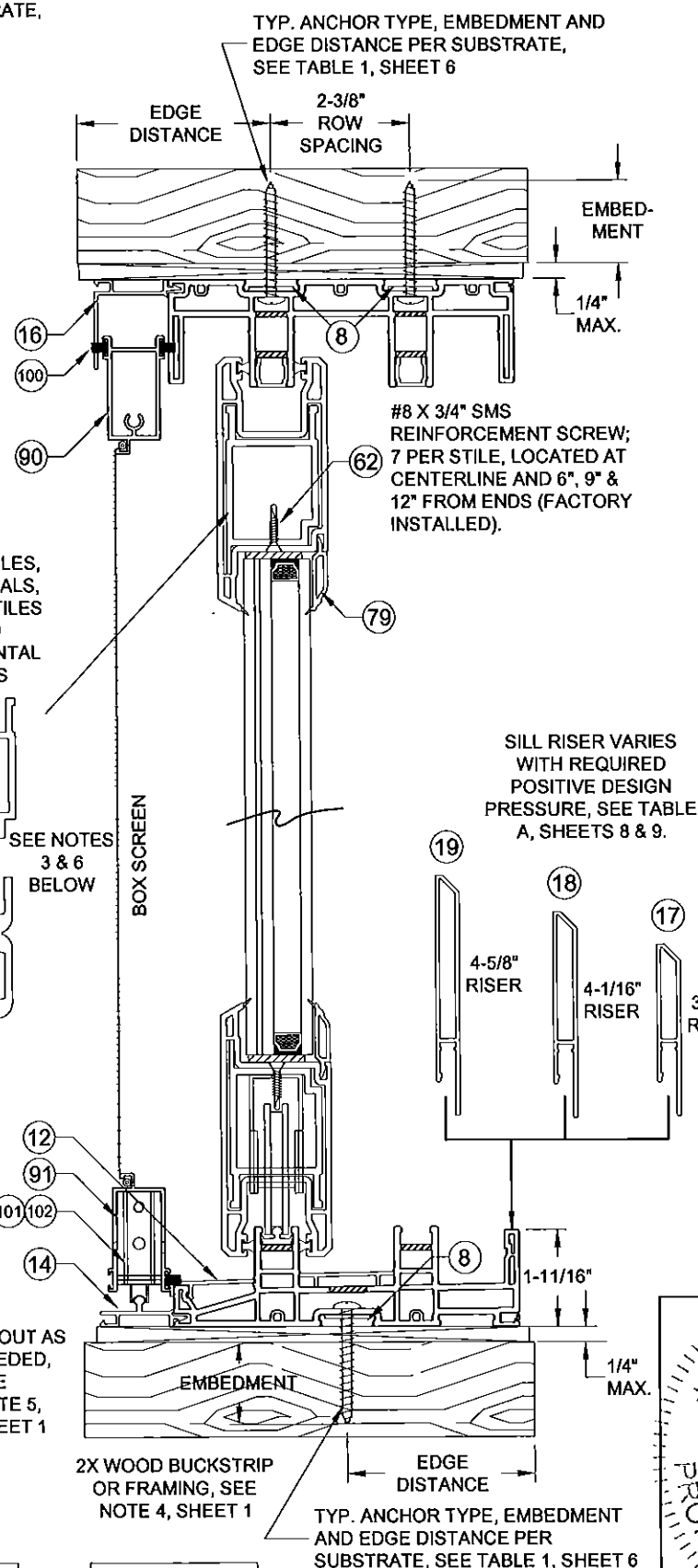
INTO MASONRY
1X BUCKSTRIP



DETAIL 5
INTO MASONRY

DETAIL 4

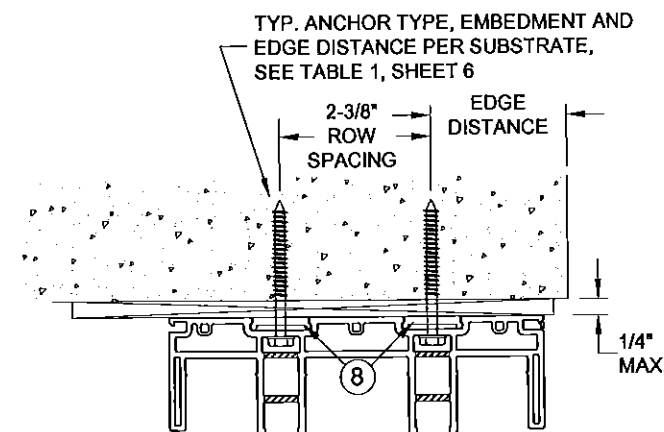
INTO WOOD



DETAIL 5
INTO WOOD

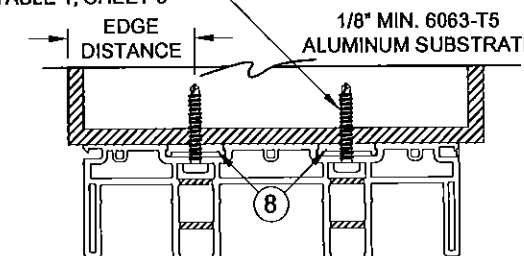
DETAIL 4

INTO MASONRY



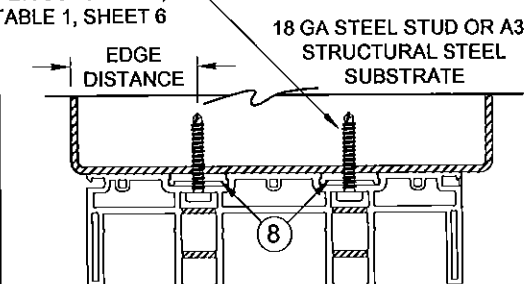
DETAIL 4

INTO ALUMINUM



METAL SUBSTRATES TO BE PROPERLY DESIGNED TO TRANSFER LOAD IMPOSED ON THEM

TYP. ANCHOR TYPE, EMBEDMENT AND
EDGE DISTANCE PER SUBSTRATE,
SEE TABLE 1, SHEET 6



DETAIL 4
INTO STEEL

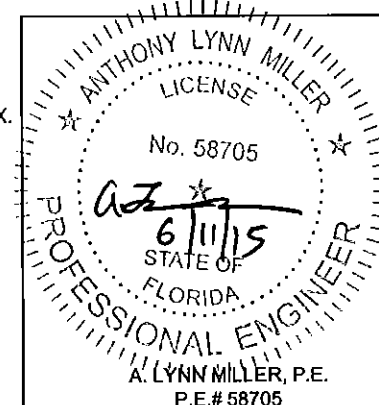
METAL SUBSTRATE DETAILS SHOWN FOR HEAD
(SIMILAR DETAILS APPLY TO FRAME JAMB AND SILL,
EXCEPT POCKET JAMB)

TABLE 1, ANCHOR TYPES:

Type	Substrate	Anchor	Minimum Embedment	Min. Edge Distance
A	P.T. Southern Pine (SG = .55)	#12 Sheet Metal Screw (G5)	1-3/8"	3/4"
		1/4" Elco UltraCon	1-1/2"	1-3/4"
		1/4" Elco Crete-Flex SS4	1-1/2"	1-3/4"
	Aluminum, 6063-T5 min.	#12 Sheet Metal Screw (G5)	0.125"	1/2"
	Steel Stud, Gr. 33 min.	#12 Sheet Metal Screw (G5)	18ga (0.0451")	1/2"
	A36 Steel	#12 Sheet Metal Screw (G5)	18ga (0.0451")	1/2"
B	P.T. Southern Pine (SG = .55)	#12 Wood Screw (G5)	1-3/8"	3/4"
C	Concrete (min. 2.84 ksi)	1/4" Elco UltraCon	1-3/8"	1 3/16"
	Concrete (min. 3.35 ksi)	1/4" Elco Crete-Flex SS4	1-3/4"	1 3/16"
	Ungrouted CMU, Jamb Only (ASTM C-90)	1/4" Elco UltraCon	1-1/4"	1"
		1/4" Elco Crete-Flex SS4	1-1/4"	1-3/4"
D	Concrete (min. 2.84 ksi)	1/4" Elco UltraCon	1-3/8"	2-1/2"
	Concrete (min. 3.35 ksi)	1/4" Elco Crete-Flex SS4	1-3/4"	2-1/2"
	Ungrouted CMU, Jamb Only (ASTM C-90)	1/4" Elco UltraCon	1-1/4"	2-1/2"
		1/4" Elco Crete-Flex SS4	1-1/4"	2-1/2"

NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
- 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
- 6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.



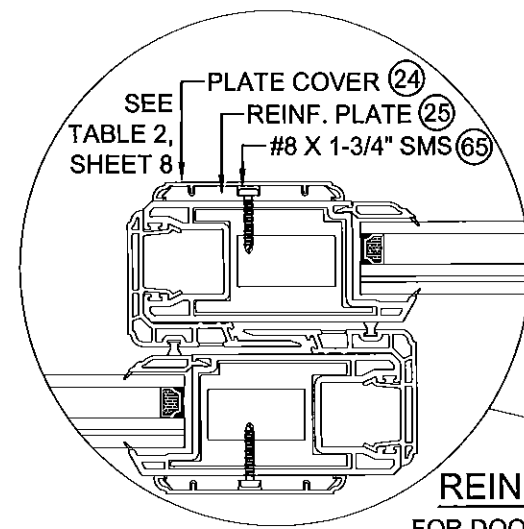
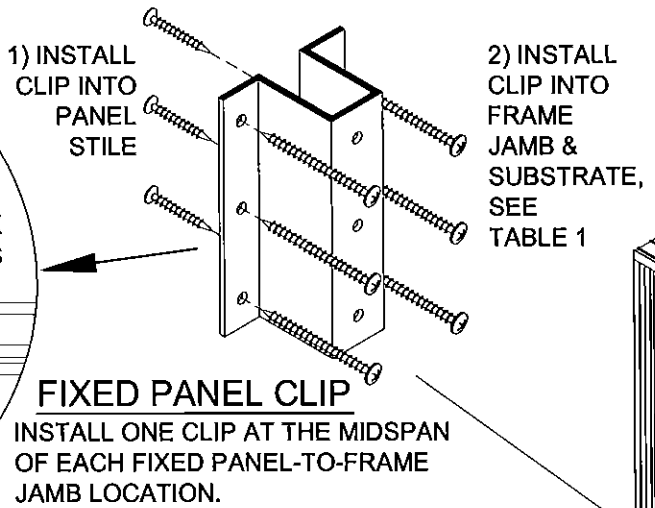
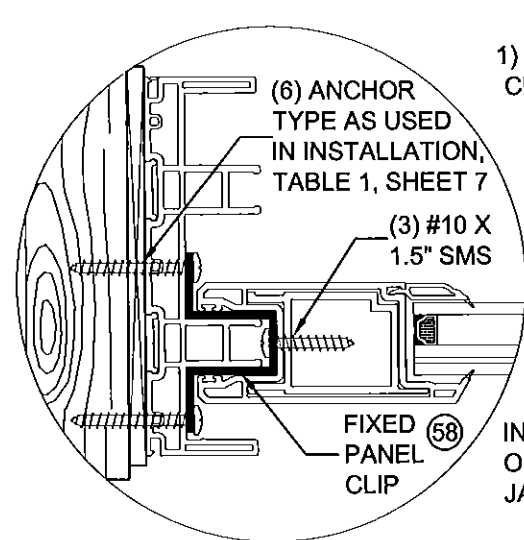
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PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

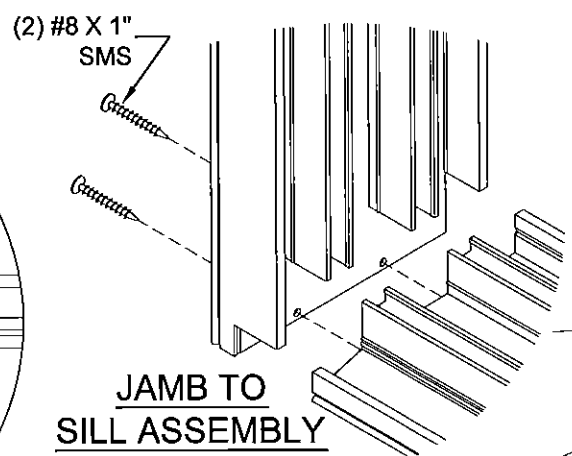
Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: VERTICAL INSTALLATION DETAILS		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 6 OF 13
Drawing No. MD-SGD7600-01		Date: 11/18/10
Rev:		

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As complying with the Florida
Building Code
Acceptance No. 15-0409.06
Expiration Date 4/14/16
By: [Signature]
Impact Resistant Product Control

Drawn By:
J ROSOWSKI

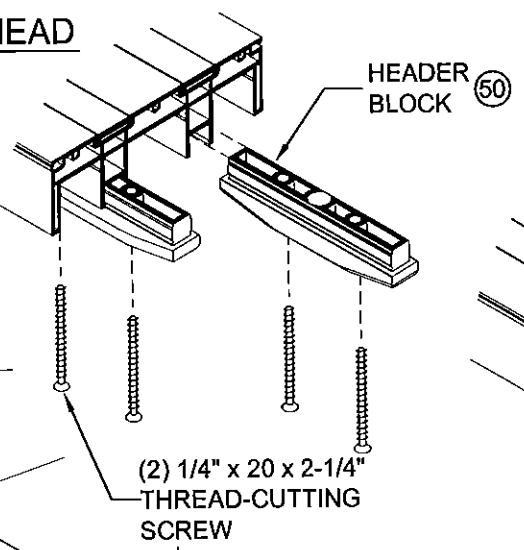


FOR DOORS OVER 96". 10 ANCHORS @ 3", 6", 9", 12", & 46.5" FROM EACH END

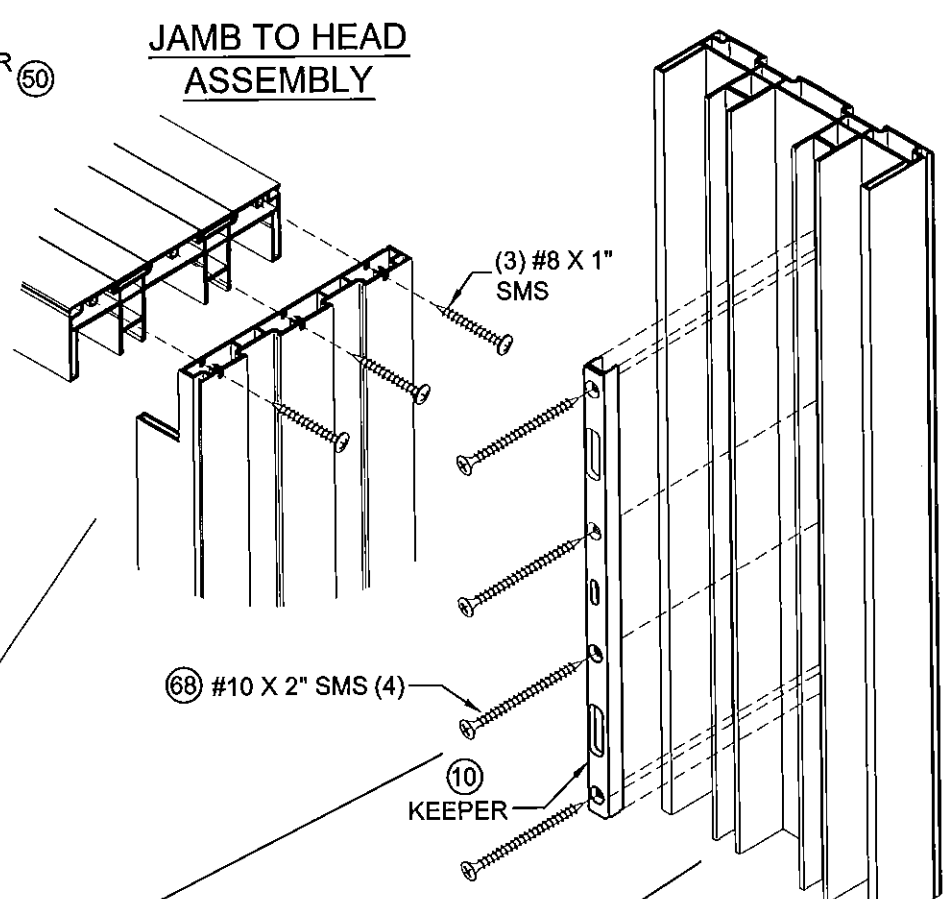


HEADER BLOCK TO HEAD ATTACHMENT

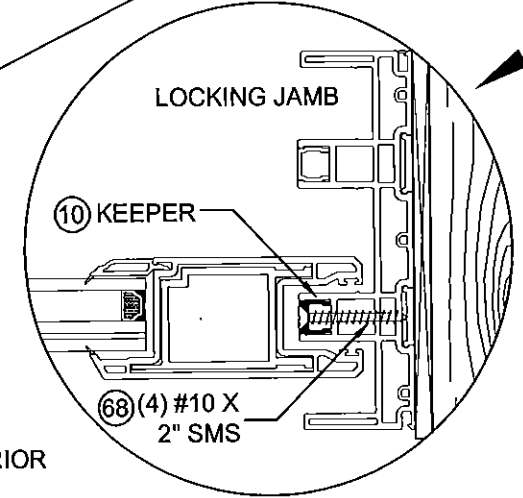
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.



JAMB TO HEAD ASSEMBLY



KEEPER TO JAMB ATTACHMENT



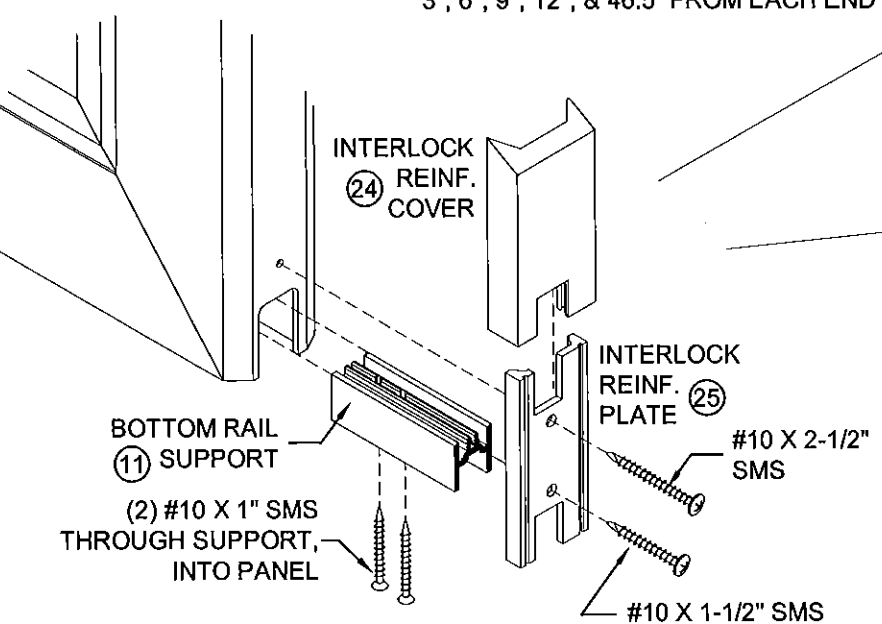
NOTES

1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.

2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.

3) SEE TABLES 2-4 FOR REINFORCEMENT REQUIREMENTS.

4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

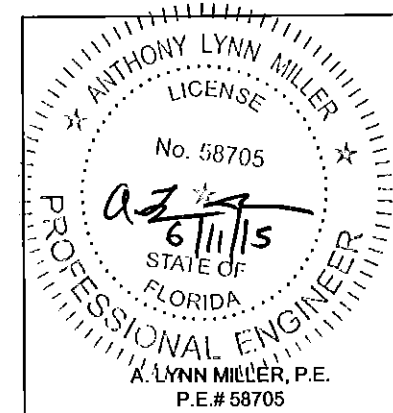


INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK

PANEL ASSEMBLY

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS



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1070 TECHNOLOGY DRIVE
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Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: ACCESSORIES INSTALLATION DETAILS		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 7 OF 13
Drawing No. MD-SGD7600-01	Date: 11/18/10	Rev:

PRODUCT REVISED

as complying with the Florida Building Code

Acceptance No. 15-0409-06

Expiration Date 4/14/16

By: [Signature]

Miami Dade Product Control

Drawn By: J ROSOWSKI

TABLE 2:

3/16" HS GLASS + .090" SG INTERLAYER + 3/16" HS GLASS + 7/16" AIR SPACE + 3/16" T INT. CAP		Anchor Quantities and Design Pressures using Heavy-Duty Reinforcement (See Part #'s below table)																																					
		FRAME HEIGHT (IN)																																					
		8-PANEL MAXIMUM CONFIGURATION												4-PANEL MAXIMUM CONFIGURATION																									
		80				84				96				108				120																					
NOM. PANEL WIDTH (IN)	FRAME SIDE	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D																		
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1																		
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6																		
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10																		
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0																		
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0																		
30	Head & Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1																		
	Jamb	5	5	5	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6																		
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10																		
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0																		
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0																		
36	Head & Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1																		
	Jamb	5	5	6	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6																		
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10																		
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0																		
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0																		
42	Head & Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1																		
	Jamb	5	5	7	5	5	5	7	5	5	5	8	5	6	6	6	6	6	6	7	6																		
	P-hook	7	7	7	7	8	7	7	7	9	8	8	8	9	9	9	9	10	10	10	10																		
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0																		
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0																		
48	Head & Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1																		
	Jamb	5	5	7	5	5	5	8	5	5	5	9	5	6	6	7	6	6	6	8	6																		
	P-hook	8	7	7	7	9	7	8	8	9	8	9	9	9	9	9	9	10	10	10	10																		
	Design Pressure	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+100.0	+92.0	+100.0	+100.0	+100.0	+100.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0																		
		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-92.0	-100.0	-100.0	-100.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0	-65.0																		
54	Head & Sill	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	TABLE A: <table><tr><th colspan="3">Water-Limited (+) Design Pressure</th></tr><tr><th>Nominal Sill Height</th><th>Actual Sill Height</th><th>Max. (+) DP Allowed</th></tr><tr><td>1-11/16"</td><td>1.688"</td><td>See 2) at right</td></tr><tr><td>3-1/2"</td><td>3.464"</td><td>+60.0 psf</td></tr><tr><td>4-1/16"</td><td>4.037"</td><td>+80.0 psf</td></tr><tr><td>4-5/8"</td><td>4.614"</td><td>+100.0 psf</td></tr></table>								Water-Limited (+) Design Pressure			Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed	1-11/16"	1.688"	See 2) at right	3-1/2"	3.464"	+60.0 psf	4-1/16"	4.037"	+80.0 psf	4-5/8"	4.614"	+100.0 psf
	Water-Limited (+) Design Pressure																																						
	Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed																																				
	1-11/16"	1.688"	See 2) at right																																				
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4-1/16"	4.037"	+80.0 psf																																					
4-5/8"	4.614"	+100.0 psf																																					
Jamb	5	5	6	5	5	5	7	5	5	5	5	8	5																										
P-hook	7	7	7	7	7	7	7	7	7	9	8	8	8																										
Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0																										
	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0	-80.0																										
60	Head & Sill	C5+2	C3+2	C5+3	C3+2	C5+2	C3+2	C5+3	C3+2	C5+2	C5+2	C5+3	C3+2																										
	Jamb	5	5	6	5	5	5	7	5	5	5	8	5																										
	P-hook	7	7	7	7	7	7	7	7	7	8	8	8									8																	
	Design Pressure	+70.0	+80.0	+80.0	+80.0	+70.0	+80.0	+80.0	+80.0	+80.0	+70.0	+80.0	+80.0									+80.0																	
		-70.0	-80.0	-80.0	-80.0	-70.0	-80.0	-80.0	-80.0	-80.0	-70.0	-80.0	-80.0									-80.0																	

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT. (EX: FOR C3+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE 1, SHEET 6, FOR COMPLETE ANCHOR LIMITATIONS.

TABLE KEY:

NOM. PANEL WIDTH (IN)	FRAME SIDE	A
24	Head & Sill	C3+1
	Jamb	5
	P-hook	8
	Design Pressure	+80.0 -80.0

$$\text{NOM. PANEL WIDTH} = \frac{\text{FRAME WIDTH}}{\text{\# OF PANELS}}$$

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE A, THIS SHEET.

TOTAL # OF ANCHORS THROUGH THE P-HOOK.

TOTAL # OF ANCHORS THROUGH THE JAMB.

FIG 1:

OH LENGTH

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 IS EXEMPTED FROM WATER INFILTRATION RESISTANCE. THE OVERHANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

$$\text{OH RATIO} = \text{OH LENGTH} / \text{OH HEIGHT}$$

TABLE A:

Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See 2) at right
3-1/2"	3.464"	+60.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+100.0 psf

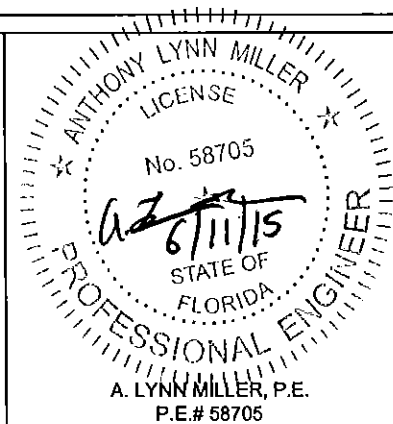
1) THE LESSER VALUE OF TABLE A AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.

2) THE 1-11/16" SILL MAY ONLY BE USED WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1. IF SO, (+) DP'S SHOWN IN TABLE 2 MAY BE USED.

NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 2-3 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
- 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
- 6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

Reinforcements Required, (See Parts on Sheet 10)						Glass Type
Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail	Plate (Part# 24, 25)	
Part# 29	Part# 26	Part# 26	Part# 30	Part# 26	Required for Heights over 96"	



Drawn By: J ROSOWSKI	Date: 11/18/10	Rev:
Revised By:	Date:	Revised By:
Description: DESIGN PRESSURE TABLE 2	Scale: NTS	Sheet: 8 OF 13
Title: VINYL SGD INSTALLATION GUIDELINES	Series/Model: 7600	Drawing No: MD-SGD7600-01

Impact Resistant Windows & Doors
WERE STRONGER™
 10100 N.W. 25th Street
 Miami, FL 33172
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 PREPARED BY: A. LYNN MILLER, P.E.
 1070 TECHNOLOGY DRIVE
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 CERT. OF AUTH. #29296

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 15-0409-06
 Expiration Date 4/1/16
 By: Isham L. Chavira
 Miami Dade Product Control

TABLE 3:

Anchor Quantities and Design Pressures using Standard or Composite Reinforcement, (See Part #'s below table)													
FRAME HEIGHT (IN)													
8-PANEL MAXIMUM CONFIGURATION													
NOM. PANEL WIDTH (IN)	FRAME SIDE	80				84				96			
		Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D	Wood Substrate Anchor Type A	Wood Substrate Anchor Type B	Mas. Substrate Anchor Type C	Mas. Substrate Anchor Type D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+60.0	+60.0	+80.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
48	Head & Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
Reinforcements Required, (See Parts on Sheet 10)													
		Interlock	Lock/Fixed Stile	Astragal	Astragal Addon	Top/Bottom Rail	Glass Type, (See Sheet 1)						
Standard		Part# 28	Part# 26	Part# 26	Part# 30	Part# 26	B						
Thermal-Option		Part# 28	Part# 27	Part# 27	Part# 30	Part# 27	B,C						

TABLE KEY:

NOM. PANEL WIDTH (IN)	FRAME SIDE	A
24	Head & Sill	C3+1
	Jamb	5
	P-hook	8
	Design Pressure	+100.0 -100.0

NOM. PANEL WIDTH = FRAME WIDTH / # OF PANELS

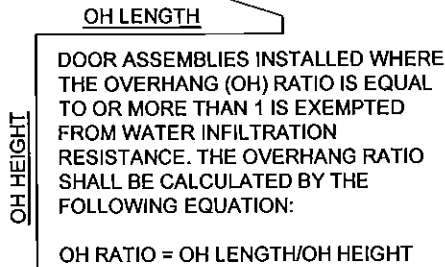
- ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE 1, SHEET 6 FOR COMPLETE ANCHOR LIMITATIONS.
- TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT. (EX: FOR C3+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).
- TOTAL # OF ANCHORS THROUGH THE JAMB.
- TOTAL # OF ANCHORS THROUGH THE P-HOOK.
- THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE A, THIS SHEET.
- THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

TABLE A:

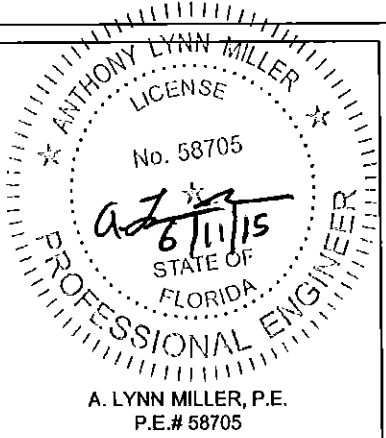
Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See 2) below
3-1/2"	3.464"	+60.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+100.0 psf

- 1) THE LESSER VALUE OF TABLE A AND TABLE 3 DETERMINES THE WATER LIMITED (+) DP.
- 2) THE 1-11/16" SILL MAY ONLY BE USED WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1. IF SO, +DP'S SHOWN IN TABLE 3 MAY BE USED.

FIG 1:



- NOTES
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
- 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
- 6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

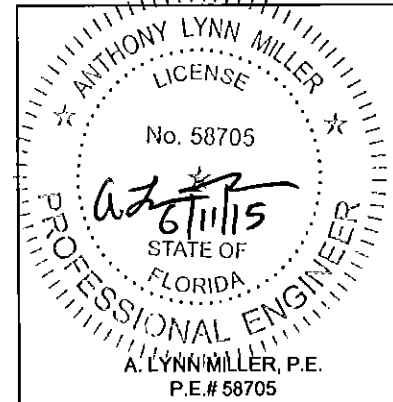
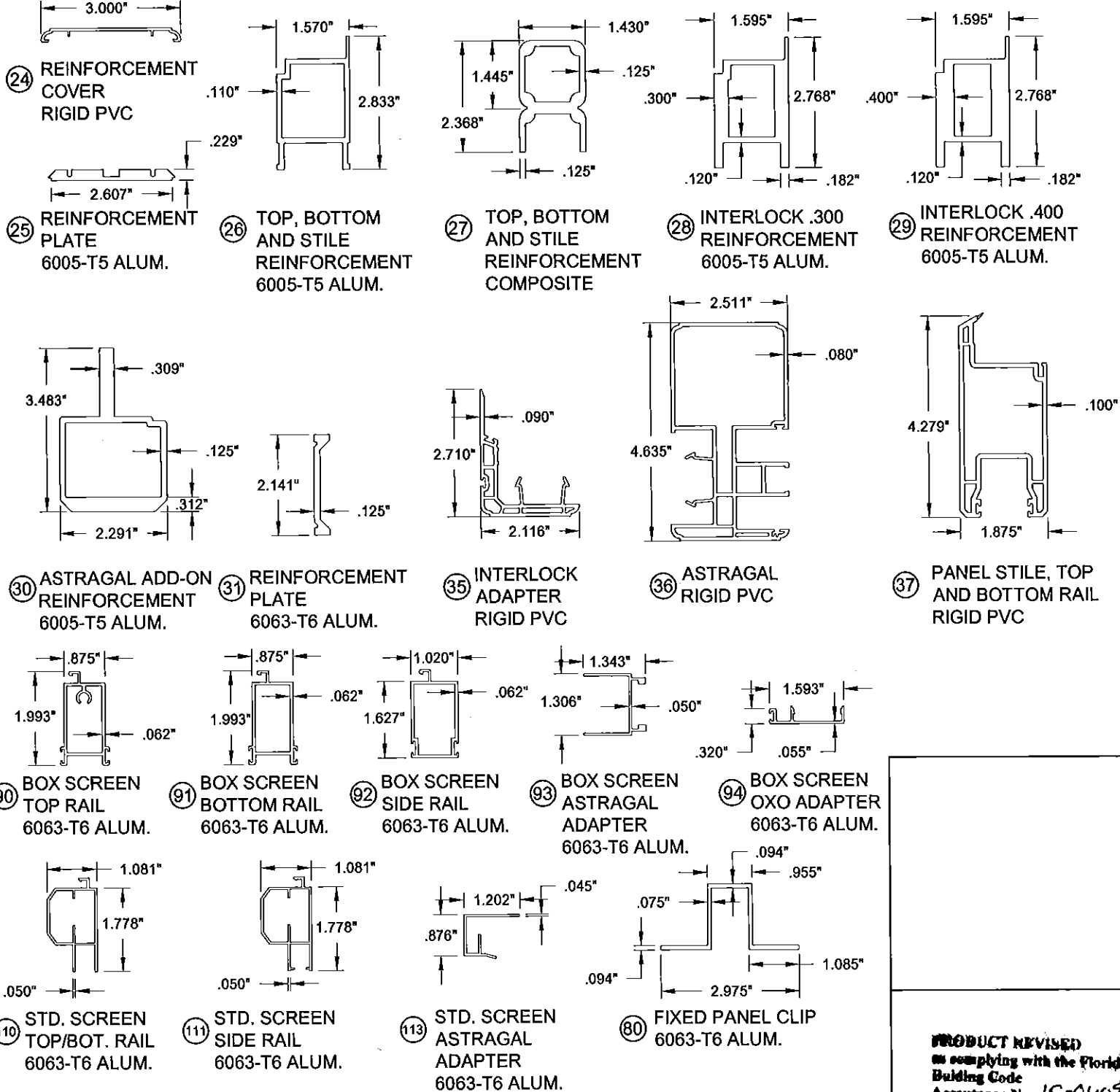
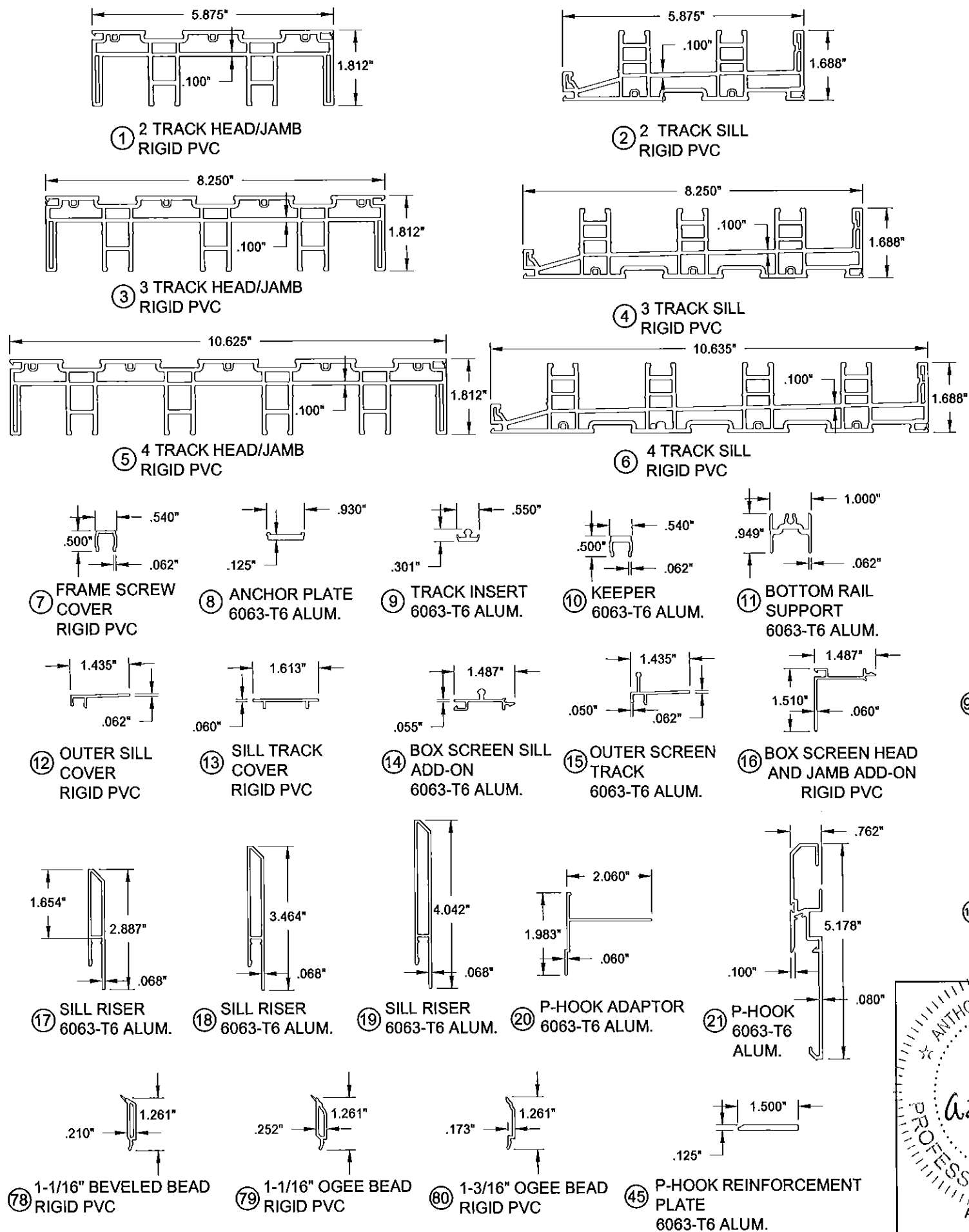


Drawn By: J ROSOWSKI	Date: 11/18/10	Rev:
Revised By:	Date:	Date:
Description: DESIGN PRESSURE TABLES 3 & 4		
Title: VINYL SGD INSTALLATION GUIDELINES		
Sheet: 9 OF 13	Scale: NTS	Drawing No. MD-SGD7600-01
Series/Model: 7600		

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Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Description: PART DETAILS		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 10 OF 13

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 By **Ishag I. Idris**
 Miami Dade Product Council

Drawn By:
J ROSOWSKI

Date:
11/18/10

Drawing No.
MD-SGD7600-01

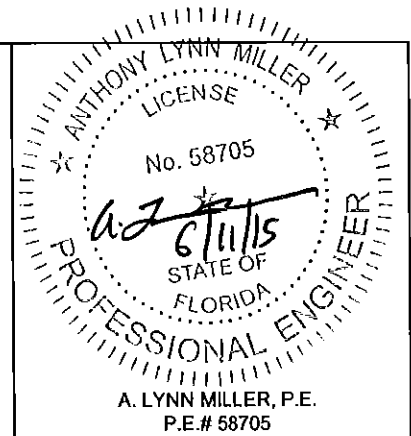
Rev:

#	Part #	Description
1	619001	2-Track Head/Jamb
2	619002	2-Track Sill
3	619025	3-Track Head/Jamb
4	619026	3-Track Sill
5	619027	4-Track Head/Jamb
6	619028	4-Track Sill
7	619009	Frame Screw Cover
8	619031	Anchor Plate
9	619007	Track Insert
10	619029M	Aluminum Keeper
11	619036	Bottom Rail Support
12	619006	Outer Sill Cover
13	619011	Sill Track Cover
14	619039	Box Screen Sill Add-on
15	619012	Outer Screen Track (Standard Screen)
16	619038	Box Screen Head and Jamb Add-on
17	619070	Sill Riser - (DP60)
18	619071	Sill Riser - (DP80)
19	619072	Sill Riser - (DP100)
20	619032	P-Hook Adapter
21	619020	P-Hook
24	619075	Reinforcement Cover
25	619030	Reinforcement Plate
26	619017M	Top, Bottom and Stile Reinf. (Alum)
27	19046	Top, Bottom and Stile Reinf. (Comp.)
28	619018M	Interlock .300 Reinforcement
29	619013M	Interlock .400 Reinforcement
30	619019M	Astragal Reinforcement
31	619035	Reinforcement Plate
35	619073	Interlock Adaptor
36	619074	Astragal
37	619004	Panel Stile, Top/Bottom Rail
40	718609	.187 x .280 Finseal (Stile)
41	71695K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug
42	419041	Interlock Clip Cover
43	78153X	Tandem S.S. Roller Assy.
44	78153N	Tandem Nylon Roller Assy.
45	619043	P-hook Reinforcement Plate
46	710X125FPSDX	#10 x 1-1/4" FI PH SMS

#	Part #	Description
50	419042	Frame Header Block
51	48052	Roller Adj. Hole Plug
52	41735	SGD Panel Come-along
53	41736	SGD Panel Come-along Cover
55	71696	Dust Plug
56	44385	4 Hole Bumper Stop
58	619037M	Fixed Panel Clip
59	71696G	Sill Plug
61	78X38PPTX	#8 x 3/8" Ph. Pn. TEK Screw
62	78X34PPSDAX	#8 x 3/4" FI. Ph. TEK - S.S.
63	781PSTX	#8 x 1" Quad - S.S..
64	781PQX	#8 x 1" Pn Quad - S.S.
65	78X114PHPT410X	#8 x 1-1/4" Ph. Pn. TEK
66	710X1PPSDAXX	#10 x 1" Ph. Pn. TEK - S.S.
67	710X115PPX	#10 x 1-1/2" Ph. Pn Keeper Screws
68	710X2PPX	#10 x 2" Ph. FI S.S. Screw
69	710X212PPDAX	#10 x 2-1/2" Pn Ph. Tek S.S.
70	712X112PP	#12 x 1-1/2" Ph. Pn. A
71		GE 7700 Silicone
72		Dow Corning 995 Silicone
73	71726K	Neoprene Setting Block 1"x4"x1/16"
74		Metal Spacer - 9/32"
75		Urethane IG Sealer
76		Silicone-Foam Super Spacer - 7/16"
77		Hot-melt Butyl
78	619010	1-1/16" Beveled Bead
79	619015	1-1/16" Ogee Bead
80	619016	1-3/16" Ogee Bead
81		Cardinal XL Edge Spacer
82	62139	Ogee Vinyl Muntin
83	63609	Insulated Glass Muntin - Horizontal
84	4CONN	I.G. Intersection
85	7558K	I.G. Gridlock Clip - 7/16"
86	7560K	I.G. Gridlock Clip - 5/16"

#	Part #	Description
Box Screen		
90	612256	Screen Top Rail
91	612257	Screen Bottom Rail
92	612258	Screen Side Rail - Lockstile
93	64344	Screen Astragal
94	617349	OXO Screen Astragal Adapter
95	64428	Screen Double Interlock
96	617347A	Screen Bug Flap
97	41818K	Screen Keeper Spacer Set
98	720X1X	1/4-20 x 1" S.S.
99	720X112X	1/4-20 x 1-1/2" S.S.
100	71793G	Wstp. .270" x .150" - Fin Seal
101	7SRAZ	Standard Roller
102	7SRAX	Standard Roller - S.S.
103	7LOCKWGS	Screen Lockset
104	41818K	Screen Lock Keeper Spacers
105	7SDKEEP	Screen Lock Keeper
Standard Screen		
110	612033	Screen Frame - Top/Bottom Rail
111	612026A	Screen Frame - Side Rail (Latch)
112	612033	Screen Frame - Side Rail
113	617363	OXO Screen Astragal Adapter
114	64853K	Vinyl Astragal
115	617356	Screen Sill Adapter
116	6FP95K	Bug Flap
117	7R42DK	Rivet
118	74X1PA	#4 x 1" Ph. Pn. SMS
119	78X112PSATS	#8 x 1-1/2" Ph. Pn. SMS A Z
120	41703N	Screw Boss Bushing
121	712027	Corner Key Wheel Assy. (Standard)
122	712027SS	Corner Key Wheel Assy. (S.S. w/bearing)
123	41805K	Screen Handle
124	41806	Screen Handle Slide
125	704/6B	Screen Latch Assy.
126	7SNKPN	Screen Keeper
127	61693K	Serrated Screen Spline - .145"
128	61692K	Screen Spline - .165"
129	61694K	Screen Spline - .150"
130	61816C20	Screen Cloth

NOTES
1) SEE SHEET 10 FOR MATERIAL TYPE AND DETAILS.



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Revised By:	Date:	Revised By:
Description: BILL OF MATERIALS		
Title: VINYL SGD INSTALLATION GUIDELINES		
Scale: NTS	Sheet: 11 OF 13	Drawing No. MD-SGD7600-01
Series/Model: 7600		
Impact Resistant Windows & Doors WE'RE STRONGER™ 10100 N.W. 25th Street Miami, FL 33172 Tel: 305.593.6590 Fax: 305.593.6592 PREPARED BY: A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 CERT. OF AUTH. #29296		

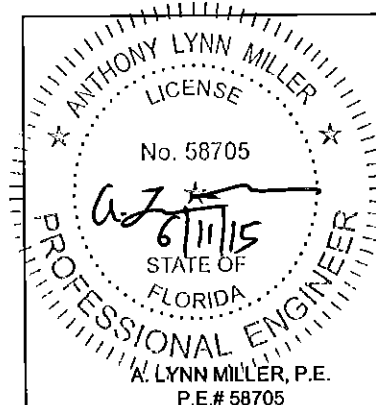
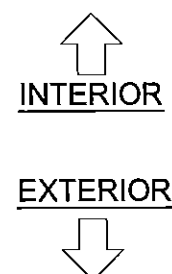
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Product Code

TYPE	STANDARD	REVERSE
2P2T	XX	XX
2P2T	XO	OX
3P2T	OXO	OXO
3P2T	XXX	NOT AVAILABLE
3P3T	XXX	OXX
3P3T	XXO	XXX
4P2T	OXOX	NOT AVAILABLE
4P2T	XXXX	NOT AVAILABLE
4P4T	XXXX	XXXX
4P4T	XXXO	OXXX
5P3T	OXOXO	OXOXO
5P3T	XXXXX	XXXXX

TYPE	LEFT HAND POCKETS	LEFT HAND POCKETS
1P2T	X	X
2P2T	XX	XX
3P3T	XXX	XXX
4P4T	XXXX	XXXX
2P2T	XX	XX
4P2T	XXXX	XXXX
6P3T	XXXXXX	XXXXXX
8P4T	XXXXXXXX	XXXXXXXX

NOTES

- 1) MAXIMUM OF (8) EIGHT PANELS UP TO 96" FRAME HEIGHT.
- 2) MAXIMUM OF (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 96" AND UP TO 120".
- 3) MAXIMUM ALLOWABLE FRAME SQUARE FOOTAGE = 292.625 FT² FOR DOORS WITH A MAXIMUM FRAME HEIGHT OF 96" (REFER TO TABLES 2 AND 3 FOR MAXIMUM PANEL WIDTHS).



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TYPE	
6P3T	OXOXOX
6P3T	XXXXXX
8P4T	OXOXOXOX
8P4T	XXXXXXXX

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Revised By:	Date:	Revision:
Description:	SAMPLE CONFIGS AND PANEL NAMES	
Title:	VINYL SGD INSTALLATION GUIDELINES	
Series/Model:	Scale:	Sheet:
7600	NTS	12 OF 13
Drawing No.	MD-SGD7600-01	
Date:	11/18/10	
Rev:		

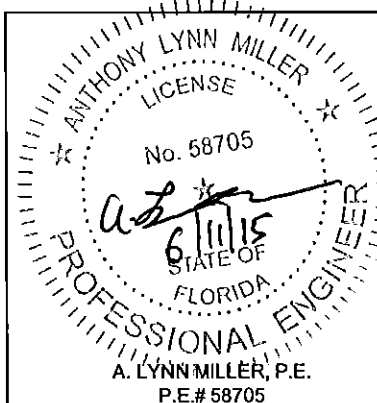
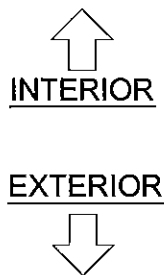
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P	SINGLE INTERLOCK		FIXED LOCKSTILE
R	FIXED LOCKSTILE		SINGLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT		FIXED LOCKSTILE
T (BOX IN)	ASTRAGAL IN		FIXED LOCKSTILE
S (BOX OUT)	FIXED LOCKSTILE		ASTRAGAL OUT
S (BOX IN)	FIXED LOCKSTILE		ASTRAGAL IN
L (BOX OUT)	SINGLE INTERLOCK		ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT		SINGLE INTERLOCK
N (BOX IN)	ASTRAGAL IN		SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK		ASTRAGAL IN
B	SINGLE INTERLOCK		SINGLE INTERLOCK
M	LOCKSTILE		SINGLE INTERLOCK

F	SINGLE INTERLOCK		SINGLE INTERLOCK
H	SINGLE INTERLOCK		SINGLE INTERLOCK
K	SINGLE INTERLOCK		LOCKSTILE
U (BOX OUT)	ASTRAGAL OUT		LOCKSTILE
U (BOX IN)	ASTRAGAL IN		LOCKSTILE
A	SINGLE INTERLOCK		LOCKSTILE
D	LOCKSTILE		SINGLE INTERLOCK
J (BOX OUT)	LOCKSTILE		ASTRAGAL OUT
J (BOX IN)	LOCKSTILE		ASTRAGAL IN

C	DOUBLE INTERLOCK		ASTRAGAL
M	LOCKSTILE		DOUBLE INTERLOCK
J	LOCKSTILE		ASTRAGAL
SD	SINGLE INTERLOCK		DOUBLE INTERLOCK
A	DOUBLE INTERLOCK		LOCKSTILE
U	ASTRAGAL		LOCKSTILE
DS	DOUBLE INTERLOCK		SINGLE INTERLOCK

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2-3 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.



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Description: PANEL TYPES		
Title: VINYL SGD INSTALLATION GUIDELINES		
Series/Model: 7600	Scale: NTS	Sheet: 13 OF 13
Drawing No. MD-SGD7600-01		Rev: 11/18/10

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By: Ishag L. Chahar
Impact Data Product Control

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J ROSOWSKI