



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

PGT Industries
1070 Technology Drive
North Venice, FL 34275

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 "SGD-3030" Aluminum Sliding Glass Door – S.M.I.

APPROVAL DOCUMENT: Drawing No. 3030-SM-165, titled "Alum. SGD Series 3030, (Small Missile)", sheets 1 through 18 of 18, dated 08/01/07, with revision "C" dated 10/13/11, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

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

REVISION 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 **renews NOA No. 11-1018.10** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P. E.**



MP
10/04/13

NOA No. 12-1114.04
Expiration Date: February 14, 2018
Approval Date: January 10, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS


1. Manufacturer's die drawings and sections.
2. Drawing No. **3030-SM-165**, titled "Alum. SGD Series 3030, (Small Missile)", sheets 1 through 18 of 18, dated 08/01/07, with revision "C" dated 10/13/11, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under previous NOA No. 11-1018.10)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
7) Forced Entry Test, SGD types A-A , B-A and C-A, per ASTM F 842-04 and FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Architectural Testing, Inc., Test Report No. **ATI-72125.01-401-18-R-1**, revision "1" dated 11/15/07, signed and sealed by Joseph A. Reed, P.E.
(Submitted under previous NOA No.07-0905.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
7) Forced Entry Test, SGD types A-A , B-A and C-A, per ASTM F 842-04 and FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Architectural Testing, Inc., Test Report No. **ATI-72125.01-401-18**, dated 08/20/07, signed and sealed by Joseph A. Reed, P.E.
(Submitted under previous NOA No. 07-0905.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by PGT Industries, dated 08/27/07, signed and sealed by Robert L. Clark, P.E.
(Submitted under previous NOA No. 07-0905.04)
2. Glazing complies with ASTM E1300-02/ 04


Manuel Perez, P. E.
Product Control Examiner
NOA No. 12-1114.04
Expiration Date: February 14, 2018
Approval Date: January 10, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC-2010**, issued by manufacture, dated 11/06/12, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest, issued by manufacture, dated 11/06/12, signed and sealed by Anthony Lynn Miller, P.E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27 of the FBPE, dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
(Submitted under previous NOA No. 11-1018.10)
4. Statement letter of no financial interest, conformance and compliance with the FBC, dated 08/23/07, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 07-0905.04)
5. Laboratory compliance letter for Test Report No. **ATI 72125.01-401-18-R-1**, issued by Architectural Testing, Inc., dated 08/20/07, revision "1" dated 11/15/07, signed and sealed by Joseph A. Reed, P. E.
(Submitted under previous NOA No.07-0905.049)
6. Laboratory compliance letter for Test Report No. **ATI 72125.01-401-18**, issued by Architectural Testing, Inc., dated 08/20/07, signed and sealed by Joseph A. Reed, P. E.
(Submitted under previous NOA No. 07-0905.04)

G. OTHERS

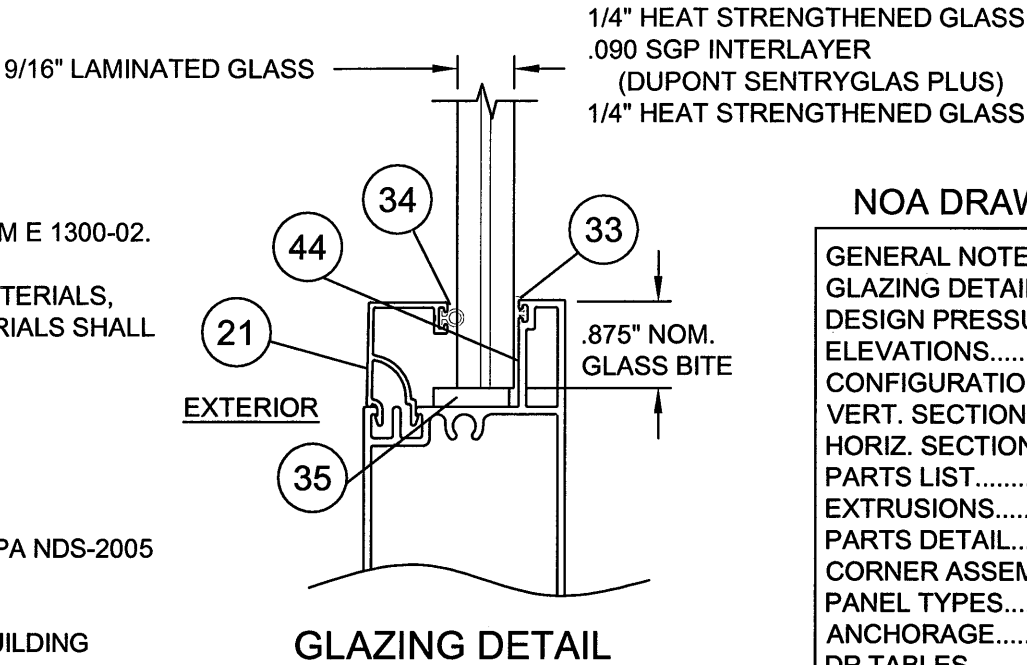
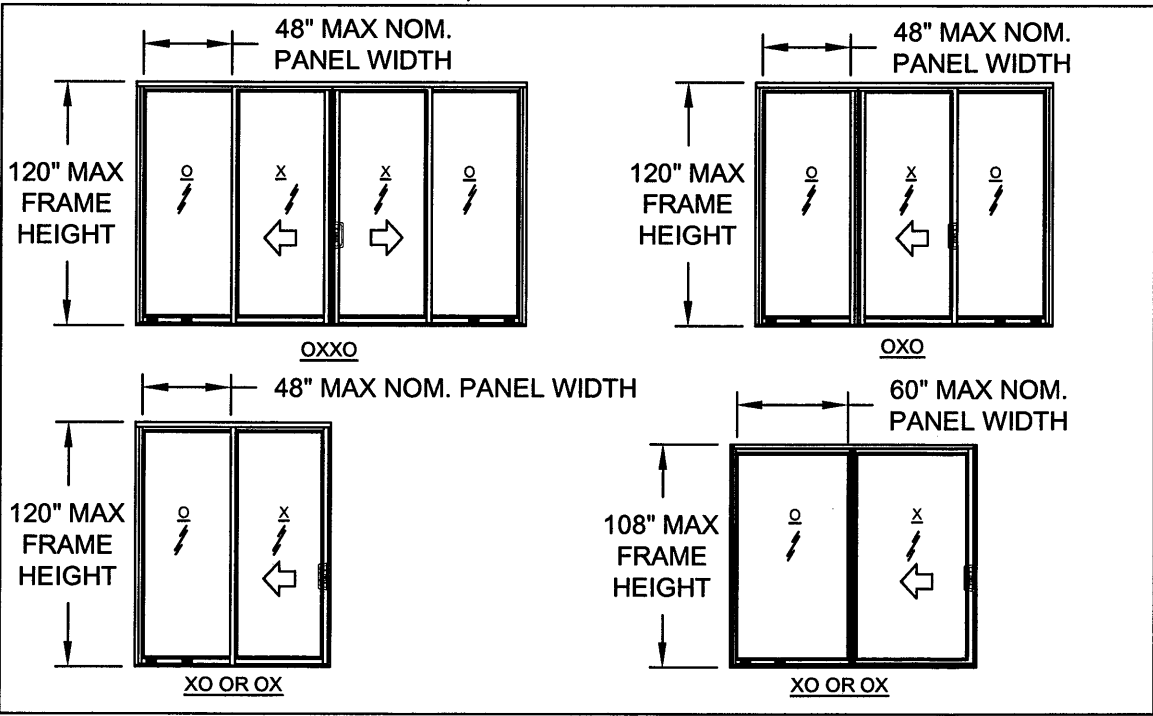
1. Notice of Acceptance No. **11-1018.10**, issued to PGT Industries for their Series "**SGD-3030**" Aluminum Sliding Glass Door – S.M.I., approved on 11/17/11 and expiring on 02/14/13.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-1114.04
Expiration Date: February 14, 2018
Approval Date: January 10, 2013

GENERAL NOTES: SMALL MISSILE IMPACT SLIDING GLASS DOOR

1. GLAZING OPTIONS: 9/16" LAMINATED GLASS CONSISTING OF (2) LITES OF 1/4" HEAT STRENGTHENED GLASS WITH AN .090 SGP (DUPONT SENTRYGLAS PLUS) INTERLAYER.
2. CONFIGURATIONS: OX, XO, OXO, OXXO
3. DESIGN PRESSURES: SEE TABLE
- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
- B. POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. FOR ANCHORAGE DETAILS SEE SHEETS 12-15.
5. SHUTTER REQUIREMENT: ABOVE 30 FT., SHUTTERS ARE NOT REQUIRED.
6. INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED.
7. REFERENCES: TEST REPORTS, (ATI) 72138.01-401-18; ELCO TEXTRON NOA: 04-0721.01, 03-0225.05; ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION; ADM-2005 ALUMINUM DESIGN MANUAL
8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
9. THE MINIMUM WIDTH FOR THE OPERABLE DOOR OF "MEANS OF EGRESS DOORS" MUST COMPLY WITH THE FLORIDA BUILDING CODE.
10. FOR CONCRETE OR CONCRETE BLOCK APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 5/16" ELCO TAPCONS. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1-9/16". ANCHORS SHOULD NOT BE INSTALLED WITHIN 2.5" OF EACH OTHER. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #14 WOOD SCREWS. SCREW THREADS MUST BE COMPLETELY EMBEDDED INTO SUBSTRATE.

11. QUALIFIED CONFIGURATIONS:



NOA DRAWING MAP

GENERAL NOTES.....	1
GLAZING DETAILS.....	1
DESIGN PRESSURES.....	1
ELEVATIONS.....	2-3
CONFIGURATIONS.....	4
VERT. SECTIONS.....	5
HORIZ. SECTIONS.....	6
PARTS LIST.....	7
EXTRUSIONS.....	8-9
PARTS DETAIL.....	10-11
CORNER ASSEMBLY.....	12
PANEL TYPES.....	12
ANCHORAGE.....	13-15
DP TABLES.....	16-18

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Mmanuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *Mmanuel Perez*
Miami Dade Product Control

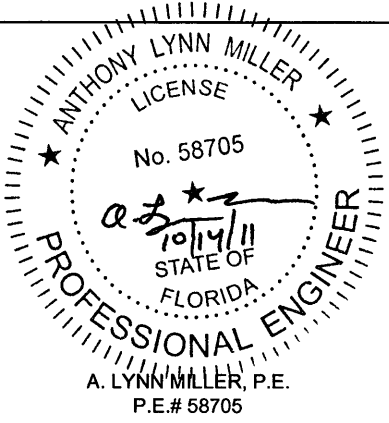
DESIGN PRESSURES		
(ALL SIZES & CONFIGURATIONS)		
GLASS TYPE	POS	NEG
9/16" HEAT STRENGTHENED LAM	+165.0	-165.0
BASED ON 5/16" MASONRY ANCHORS IN CONCRETE USING ANCHOR PLATE AND 1/4" SHIMS. OTHER ANCHOR TYPES AND SUBSTRATES AVAILABLE, SOME WITH DESIGN PRESSURE LIMITATIONS. SEE ENCLOSED SHEETS FOR SPECIFICS.		

Revised By: J.R.	Date: 11/05/07	Revisions: A	A. Changed notes, added configs
Revised By: J.R.	Date: 11/20/07	Revisions: B	B. Removed OXXO and OXO for 5 x 9
Revised By: J.J.	Date: 10/13/11	Revisions: C	FBC 2010 CODE CHANGE
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

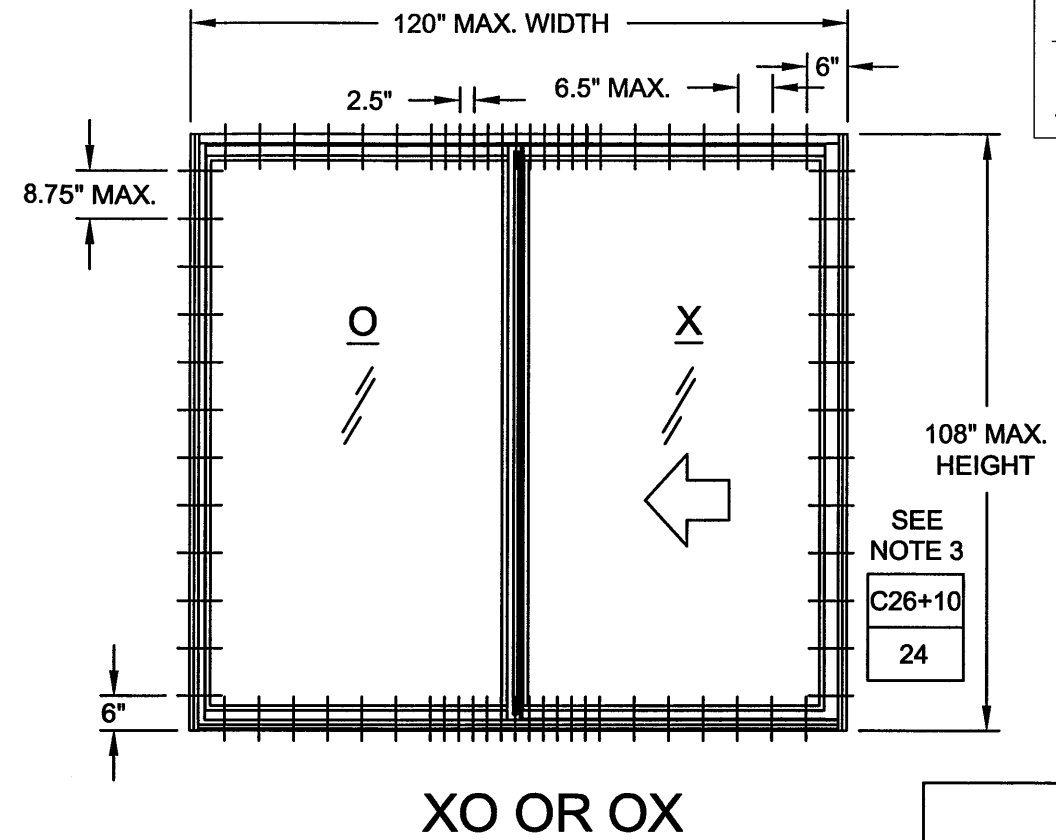
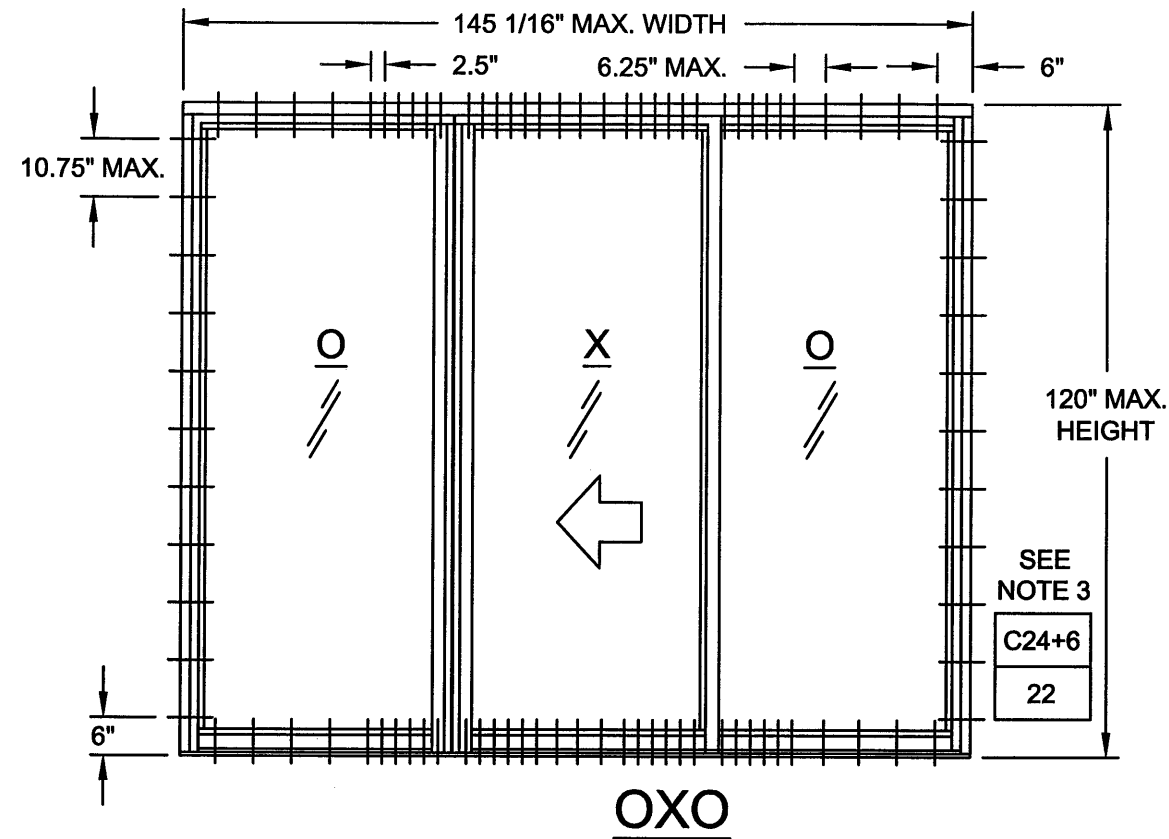
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



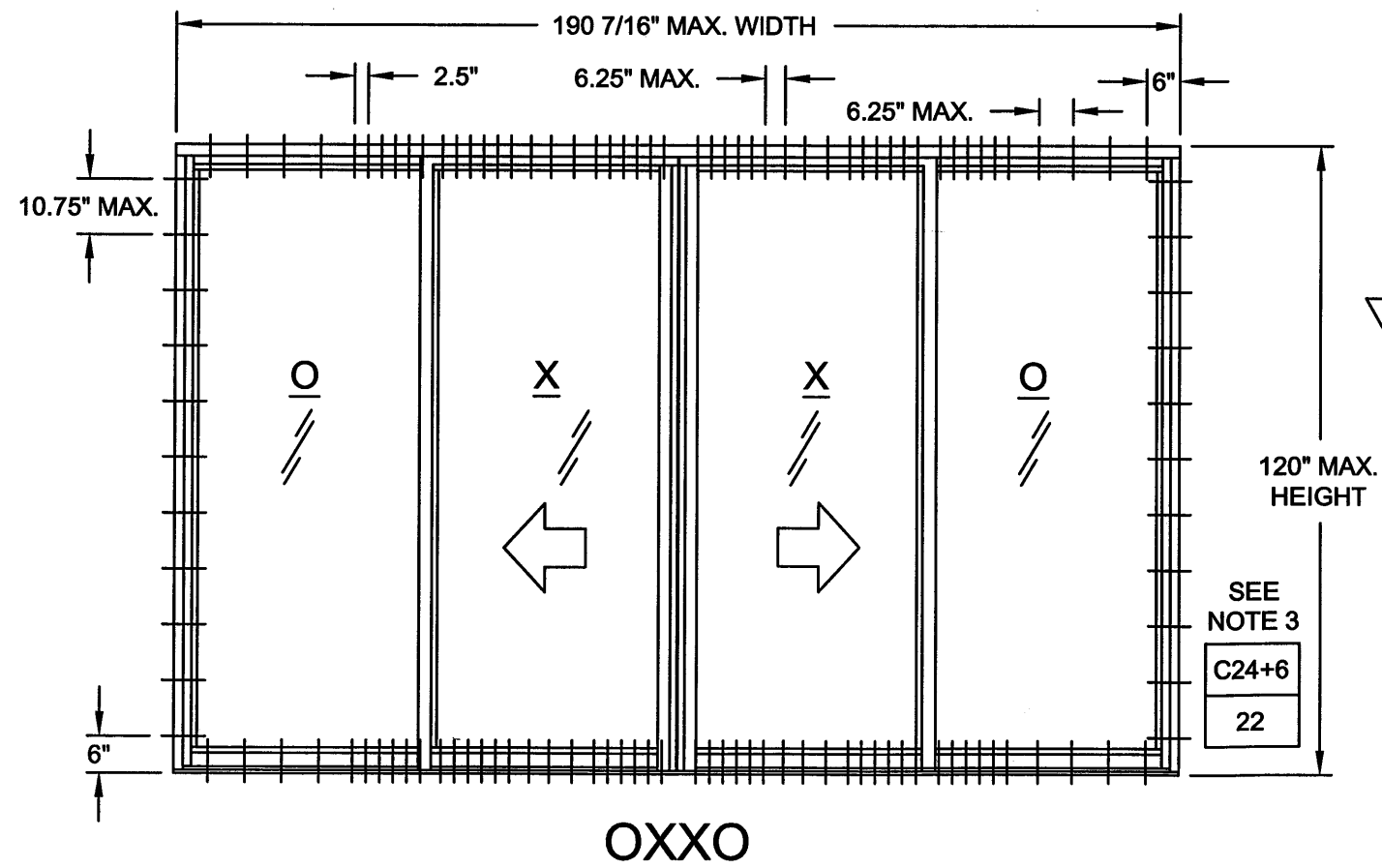
Description: GENERAL NOTES, GLAZING DETAILS, DP			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 1 of 18	Drawing No. 3030-SM-165
			Rev: C



SAMPLE SPACING WITHOUT USING THE ANCHOR PLATE



NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



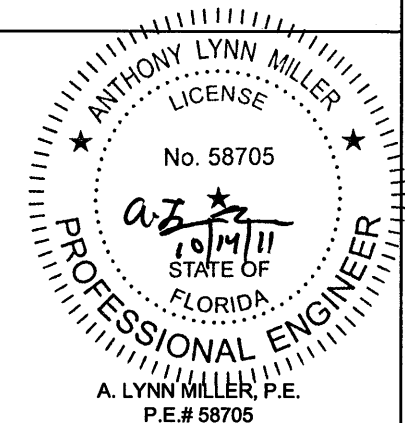
NOTES:

1. ABOVE ARE A REPRESENTATIVE OF THE LARGEST SIZES.
2. DESIGN PRESSURE FOR THESE EXAMPLES IS 165 PSF, SEE SHEET 16.
3. FOR TABLE KEY, SEE SHEET 16.
4. INSTALLATION ELEVATIONS ON THIS PAGE ARE FOR A DESIGN PRESSURE OF +/- 165.0 PSF.



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *[Signature]*
Miami Dade Product Control

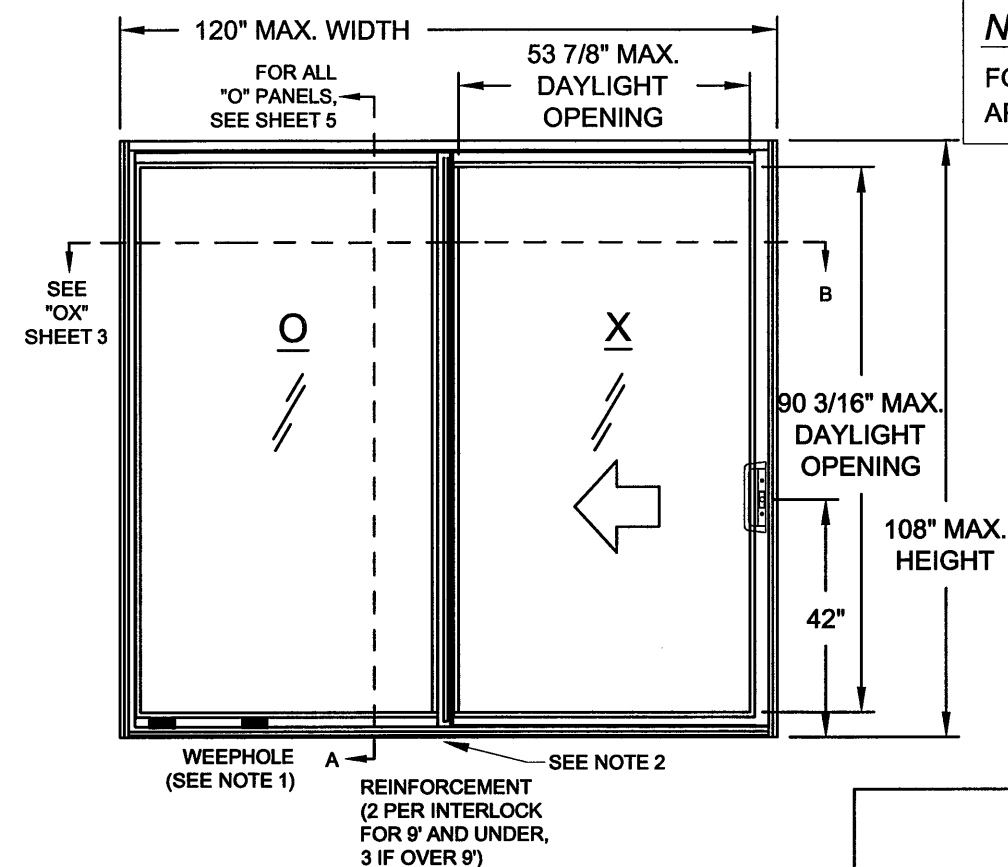
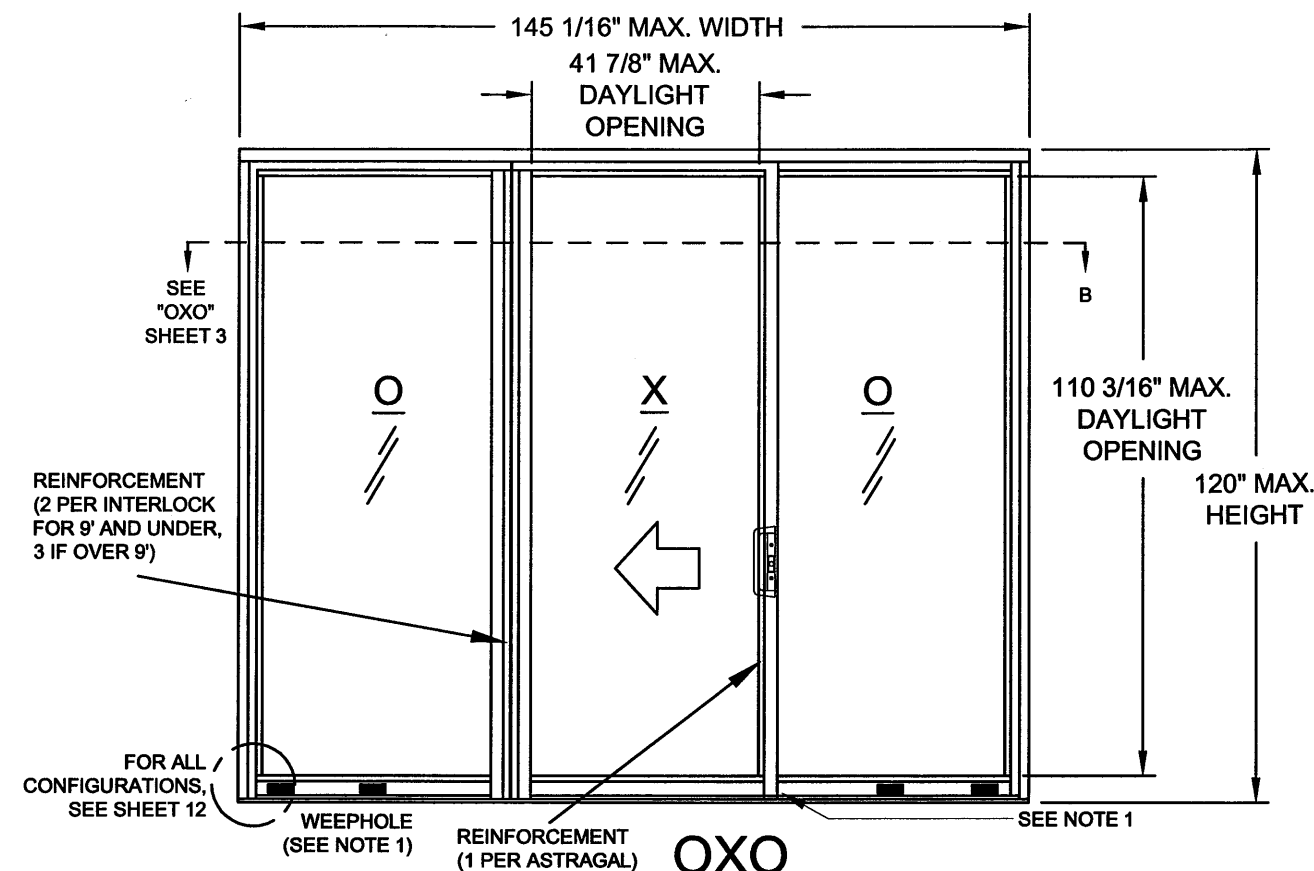


Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Added entire page
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. Added Note 4
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	

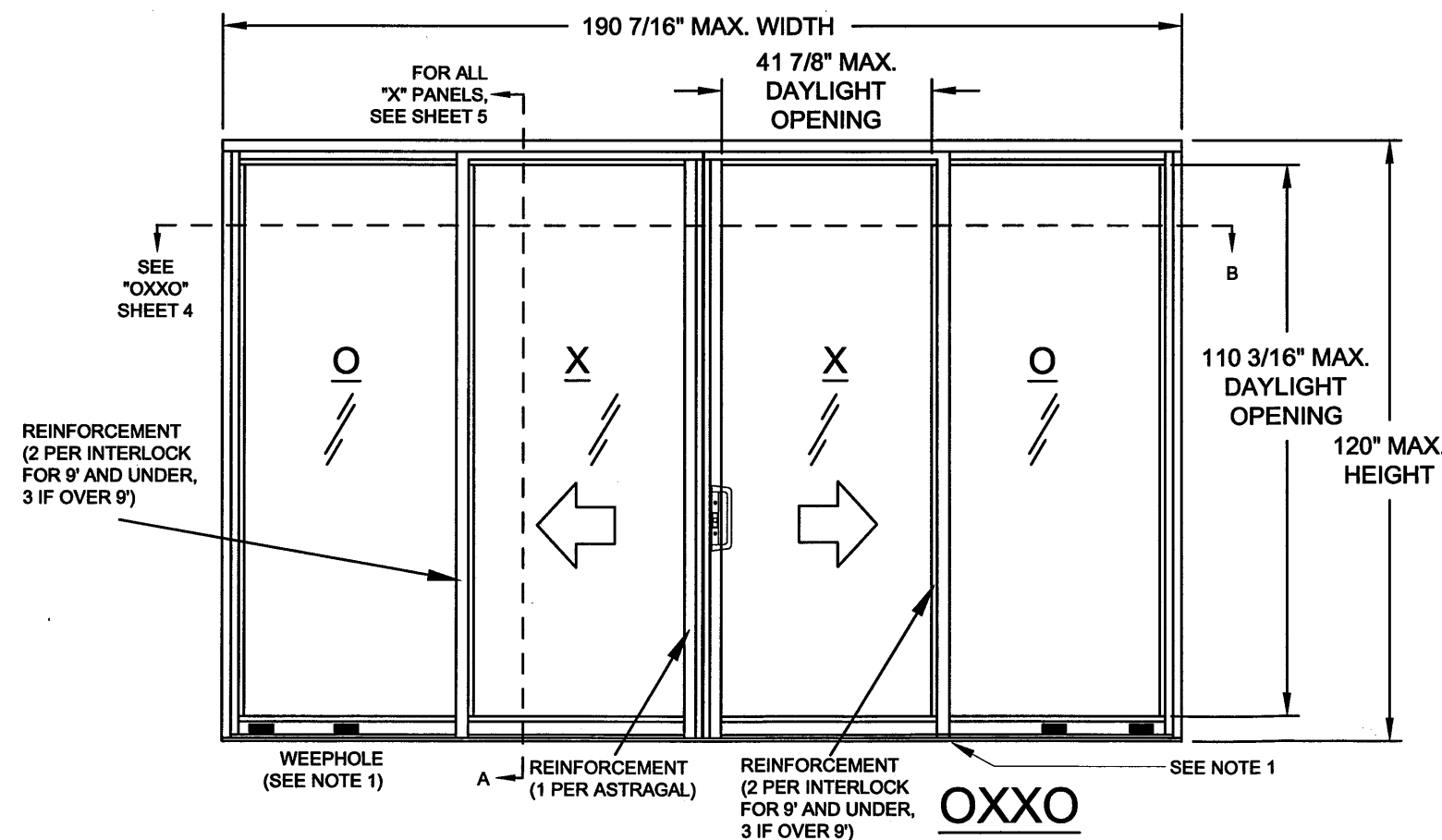
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description:	ANCHOR ELEVATIONS		
Title:	ALUM. SGD SERIES 3030, (SMALL MISSILE)		
Series/Model:	SGD3030	Scale:	NTS
Sheet:	2	of	18
Drawing No.	3030-SM-165	Rev:	C



NOTE:
FOR SMALL MISSILE APPLICATIONS ONLY



XO OR OX

NOTES:

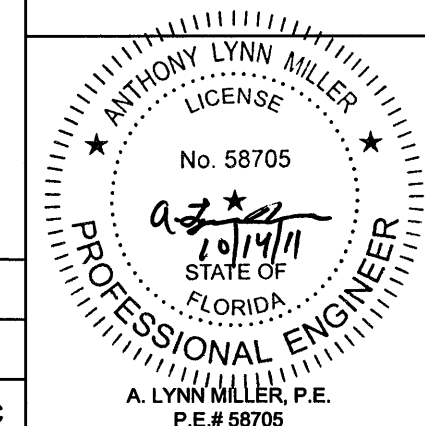
1. 1-9/16" X 5/16" WEEPHOLES ARE LOCATED 6" FROM EACH END AND AT THE FIXED PANEL CENTER, (SEE SHEET 5).

2. FIXED PANEL ANGLE BRACKETS (ITEM 76) LOCATED AT THE HEAD AND SILL OF FIXED PANELS. SEE SHEET 6, DETAIL B.

3. ELEVATIONS ON THIS PAGE ARE FOR A DESIGN PRESSURE OF +/- 165.0 PSF.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-1114.04**
Expiration Date **02/14/2018**
By *Mamuel Sura*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1018.10**
Expiration Date **02/14/2013**
By *[Signature]*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Specified reinforcement
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. Added Note 3
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

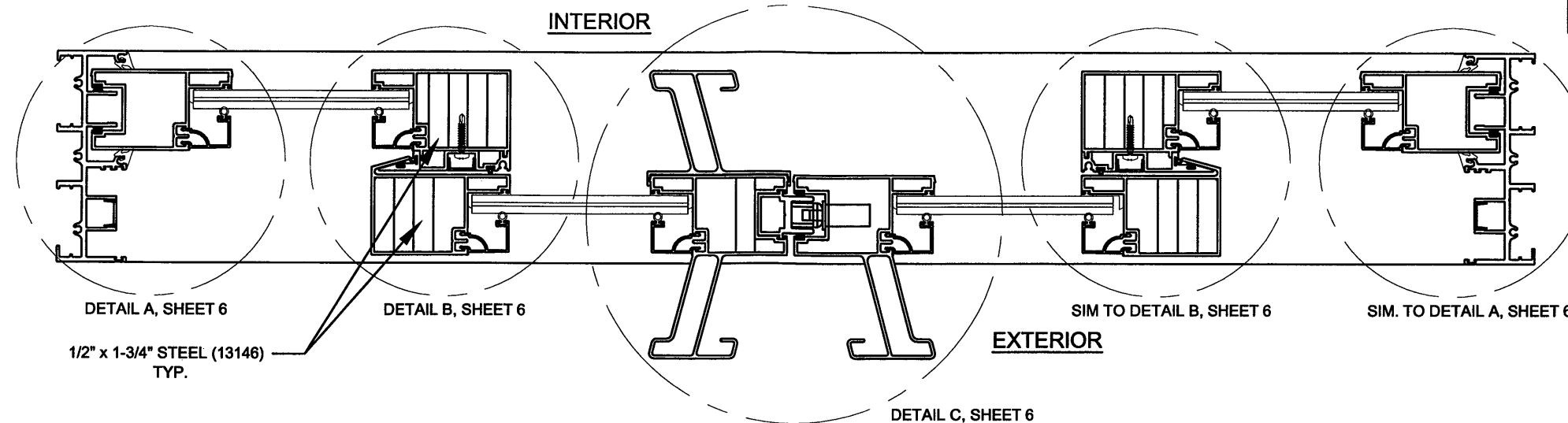
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

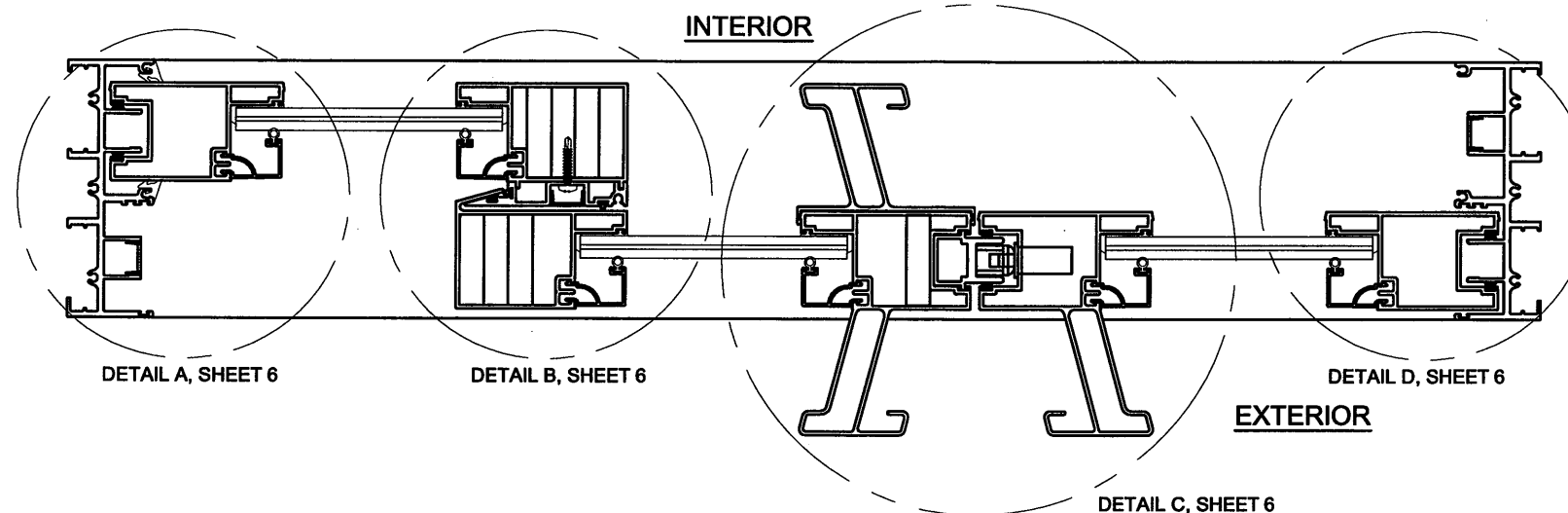
Description:	ELEVATIONS			
Title:	ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model:	SGD3030	Scale:	NTS	Sheet: 3 of 18
Drawing No.	3030-SM-165	Rev:	C	

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

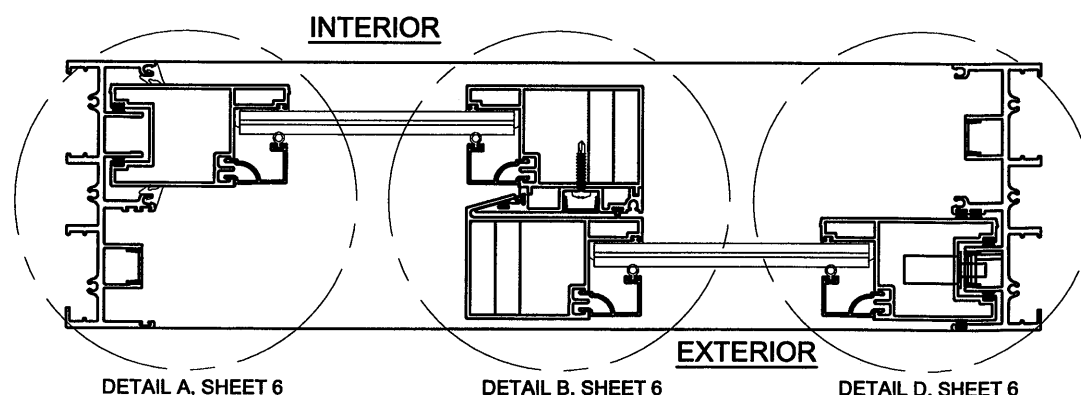
OX XO



OXO

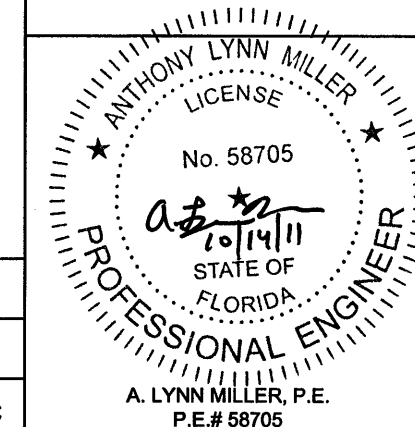


OX
(XO SIMILAR)



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *Anthony Lynn Miller*
Miami Dade Product Control



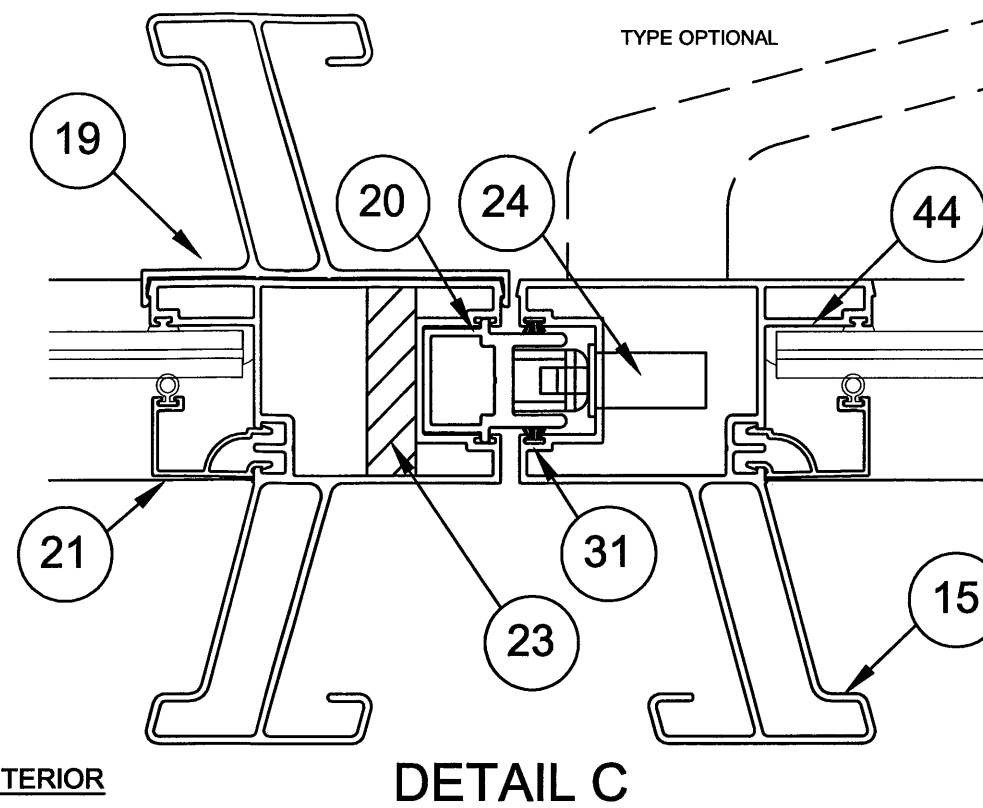
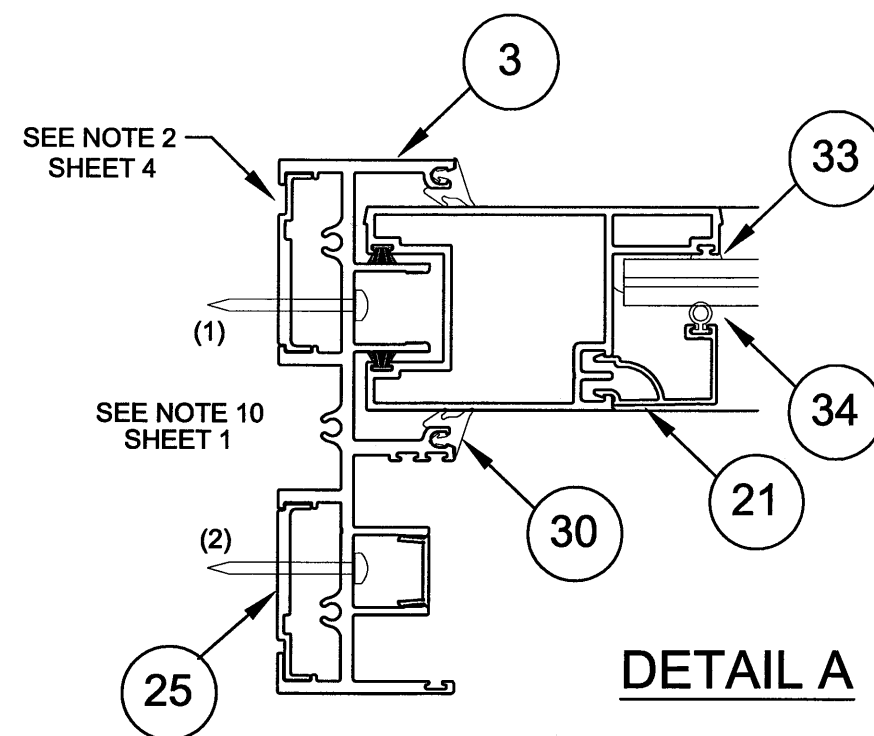
Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Added reinforcement to x-sections
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

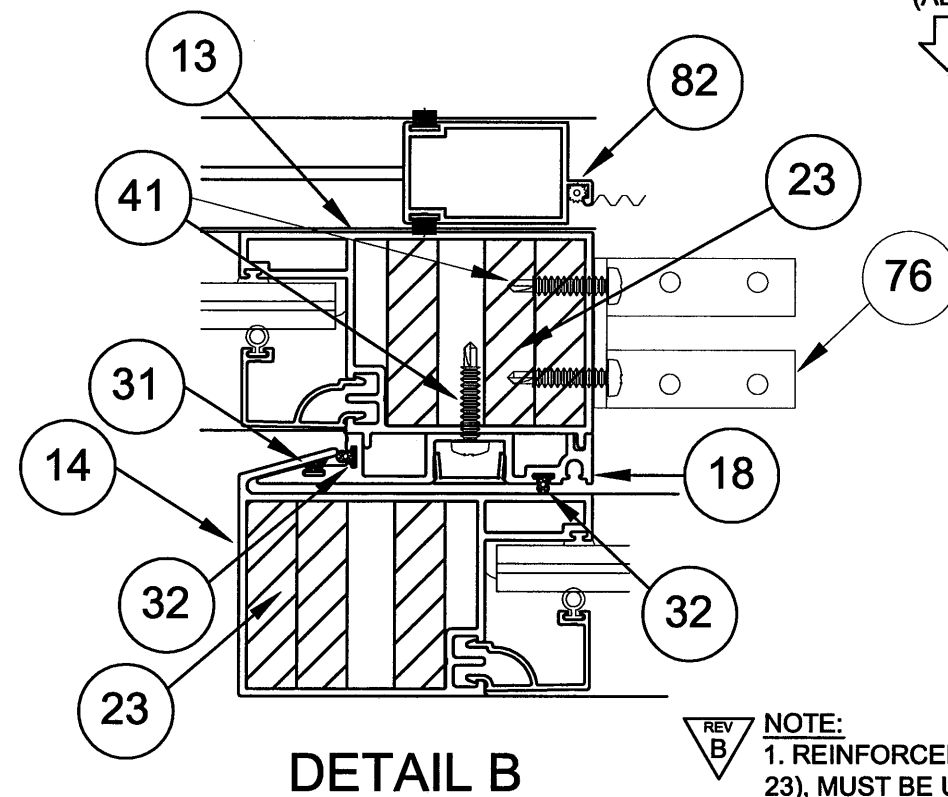


Description: CONFIGURATIONS			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: 1/4	Sheet: 4 of 18	Drawing No. 3030-SM-165
			Rev: C

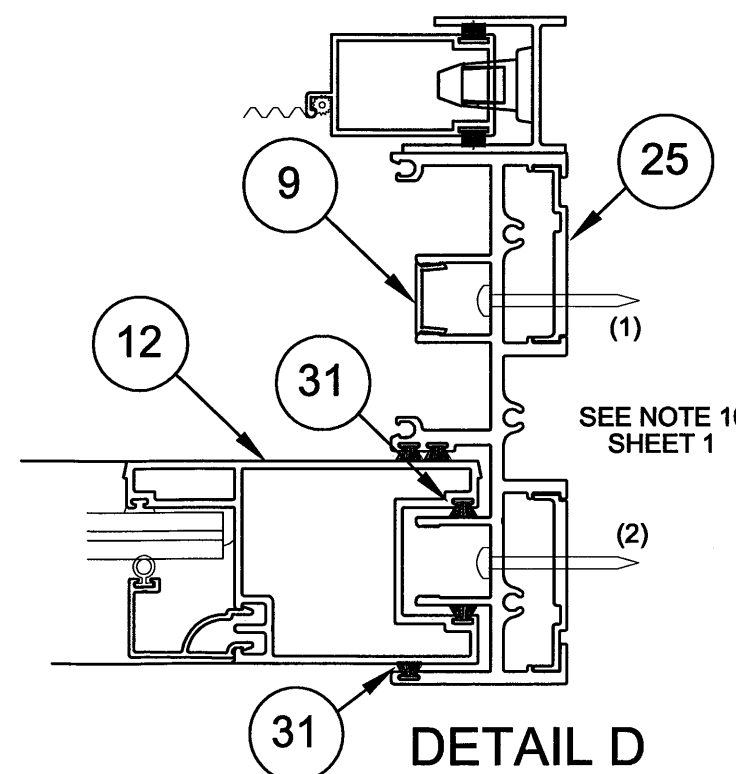
NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



↑ INTERIOR
(ALL HORIZ. SECTIONS)
↓ EXTERIOR



NOTE:
1. REINFORCEMENTS (ITEM 23), MUST BE USED IN THE QUANTITIES SHOWN, IRREGARDLESS OF REQUIRED SIZE OR DESIGN PRESSURE.



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *Manuel Perez*
Miami Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/14/11
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Added reinforcement removed CMU option from detail
Revsd By: J.R.	Date: 11/20/07	Revisions: B	moved Notes, corrected embedment and edge distance.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	B. Added Note for reinforcement
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description: HORIZONTAL CROSS SECTIONS			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: 1/2	Sheet: 6 of 18	Drawing No. 3030-SM-165
Rev: C			

#	Dwg #	Description
1	13120	Main Frame Head
2	13121	Main Frame Sill
3	13122	Main Frame Jamb
4	13135	Fixed Panel Adapter Head
5	13136	Fixed Panel Adapter Sill
6	13133	Operable Panel Adapter Head
7	13134	Threshold
8	13132	Track
9	13139	Screw Cover
10	13123	Panel Top Rail
11	13124	Panel Bottom Rail
12	13125	Panel Side Rail
13	13126	Fixed Panel Interlock
14	13127	Operable Panel Interlock
15	13128	Astragal
16	13137	Top Rail Panel Adapter
17	13138	Bottom Rail Panel Adapter
18	13129	Interlock Add On
19	13131	Add On Handle
20	13130	Male Astragal
21	13025	9/16" Bead
22	8153	Roller Assembly
23	13146	C-1018 CR Steel Reinf. Sy=54 kpsi
24	4439	Gemini Lock
25	13150	SGD Anchor Plate
26	4437	Thumbturn
28	749	Reinforcement Spring Clip
29	13143	Handle Set
30	13144	Fixed Panel Gasket
31	61059	Weatherstrip .187 X .210 FS
32	1213	Weatherstrip .187 X .200 QLON
33	13115	Glazing Leg Gasket
34	6TP247	Bead Weatherstrip
35	1267	Setting Block
36	71695K	Panel Dust Plugs

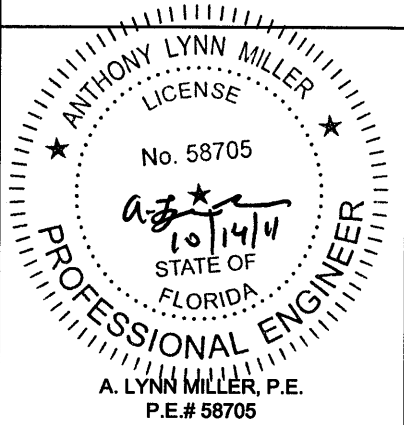
#	Dwg #	Description
37	7PAD1626	Open Cell Foam Pad
38	71420X	1/4-20 x 1.25" Socket Head, SS
39	13021	#10 X 1.25" Ph, PH, SS
40	7103239	Tinnerman Nut, #10-32
41	710X34	#10 x 3/4" Ph, PH, SS SD
42	71032X	#10-32 x 1" Ph, FH, Self-Tap
43	13044	Panel Corner Key
44		Silicone Glazing GE7700 or Equiv.
45		Joint Sealant
46	1135	#10 x 3/4" Ph, PH, SS
47	8052	Cap Plug
48	4385	Bumper Stop
49	78X38	# 8 x 3/8" Tek
76	74356A	Fixed Panel Angle Bracket

#	Dwg #	Description (Screen)
59	1135	#10-32 X .875 PH FI. MS
60	653	Jamb Keeper
62	1235	Weatherstrip .170 X .270 FS
63	668	Single Roller, SS
64	4341	X-Cam Latch
65	1692	Screen Spline
66		Screen Cloth, 18 X 16 Mesh
76	4356	Fixed Panel Clip
80	4317	Screen Frame Top Rail
81	4318	Screen Frame Bottom Rail
82	4319	Screen Frame Side Rail
85	4320	Screen Frame Interlock
86	4384	Screen Astragal Adapter
90	4424	Screen, 1-Track Frame, Sill
91	4425	Screen, 1-Track Frame, Head
92	4426	Screen, 1-Track Frame, Jamb

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-1114.04
Expiration Date 02/14/2018
By Maurice Perry
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1018.10
Expiration Date 02/14/2013
By John Miller
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. added screw sizes, reinforcement
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

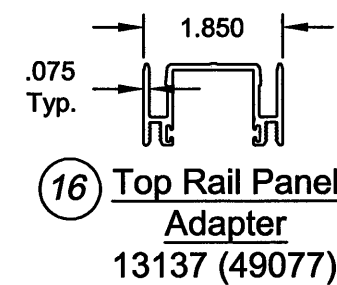
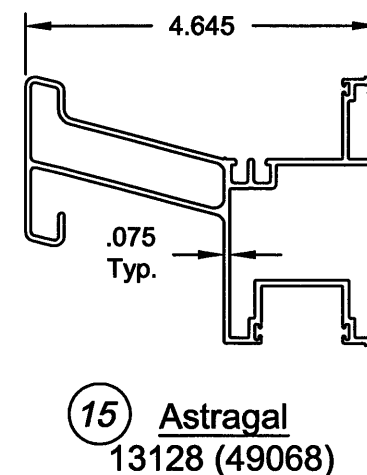
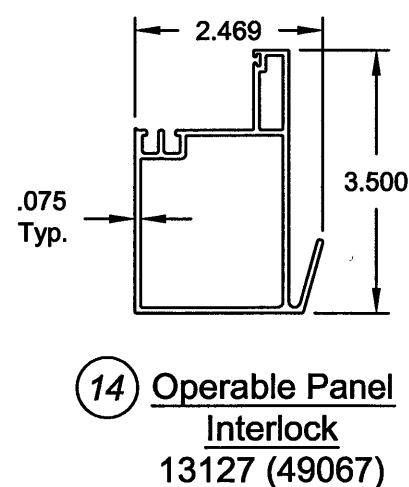
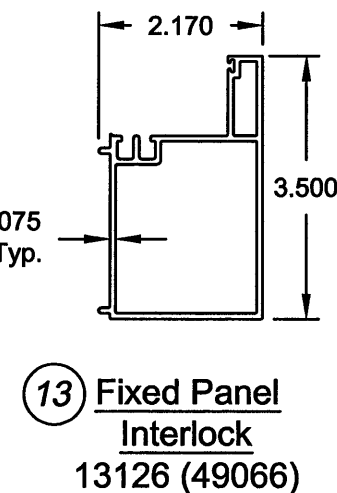
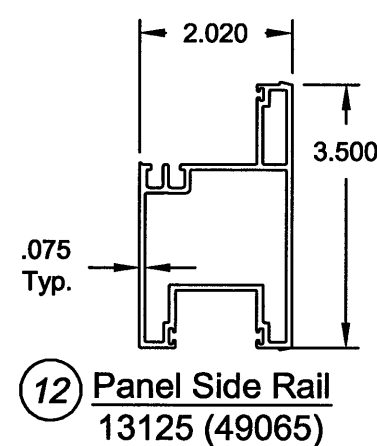
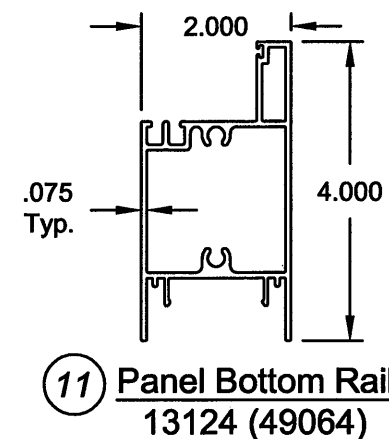
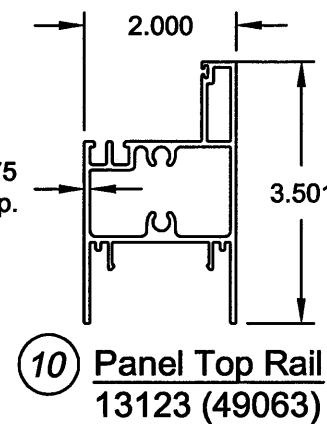
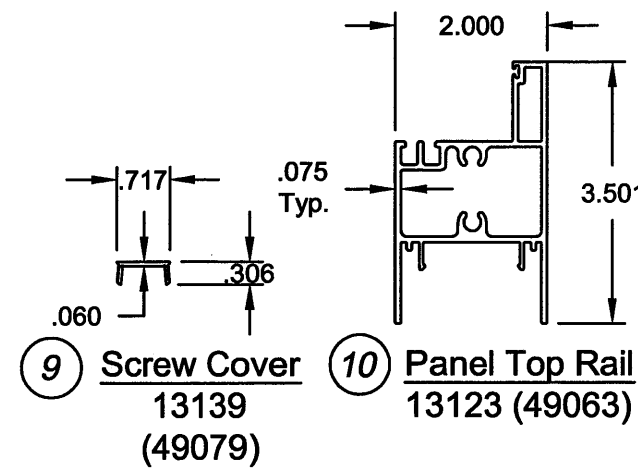
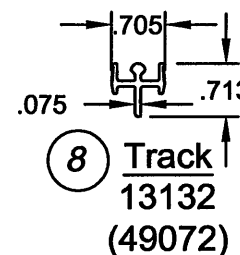
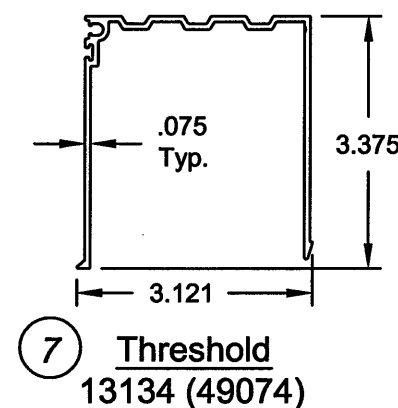
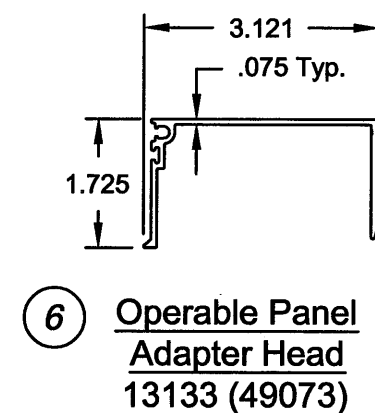
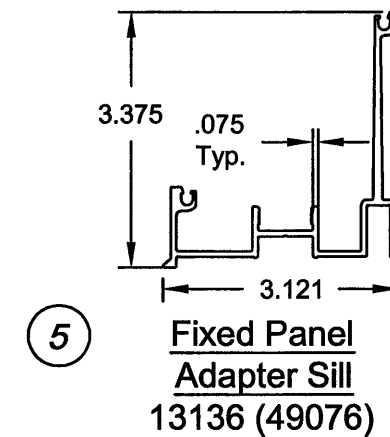
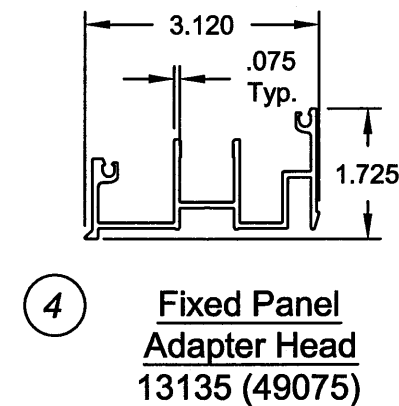
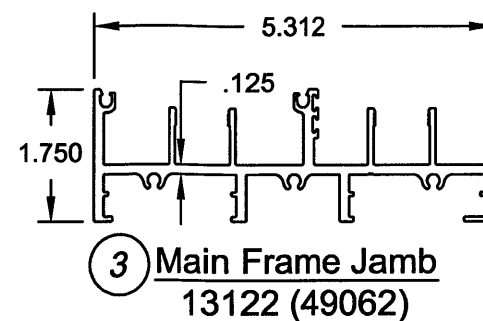
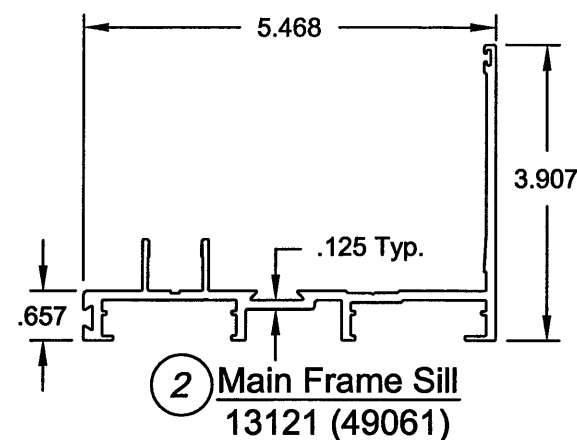
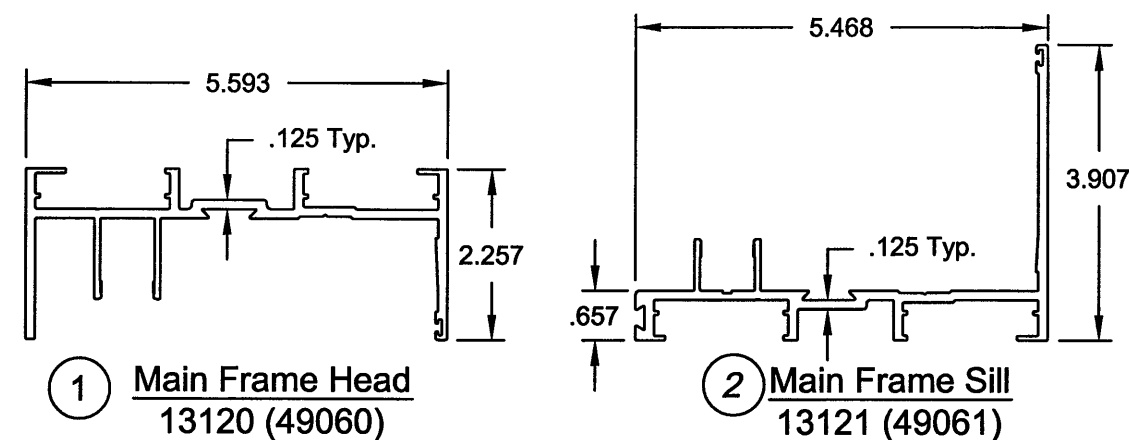
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274



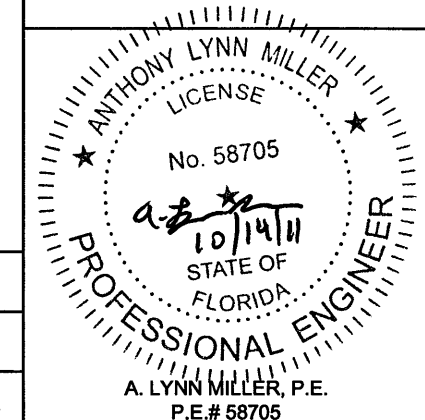
Description: PARTS LIST			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 7 of 18	Drawing No. 3030-SM-165
			Rev: C

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Maureen J. [Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *[Signature]*
Miami Dade Product Control



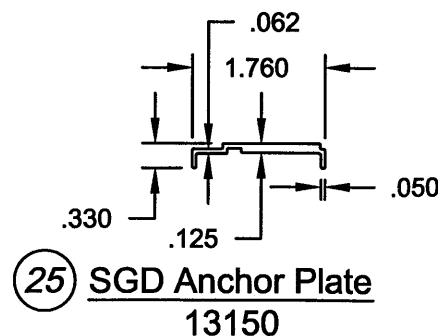
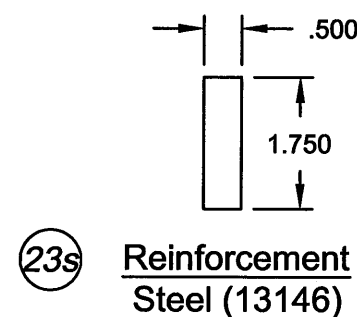
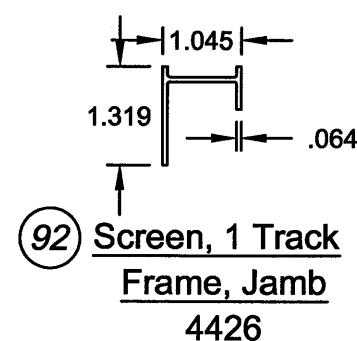
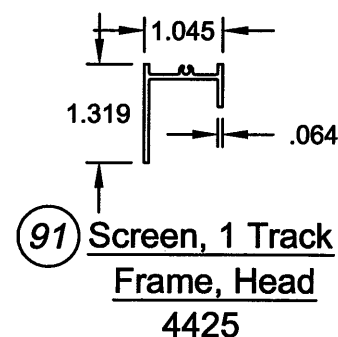
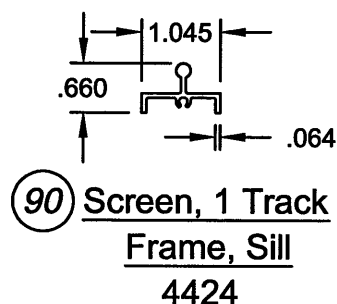
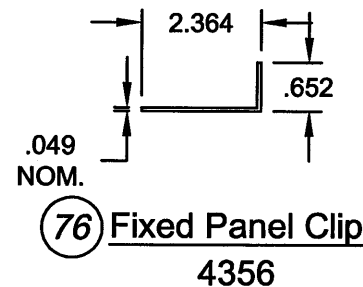
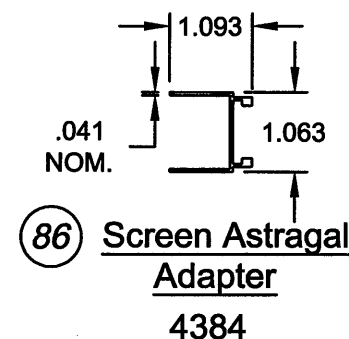
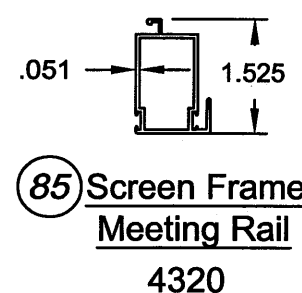
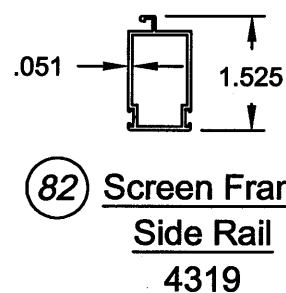
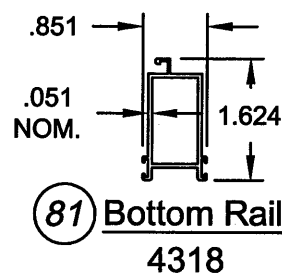
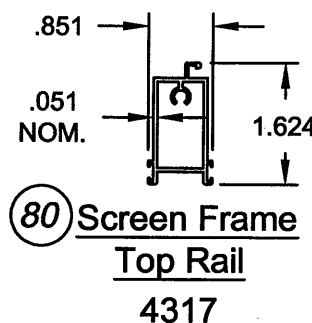
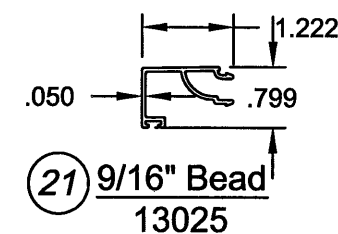
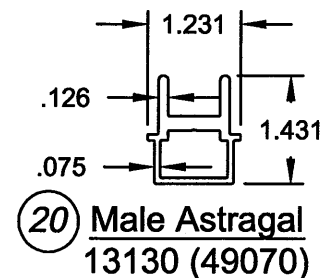
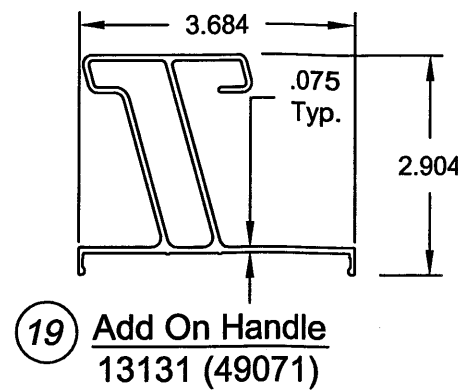
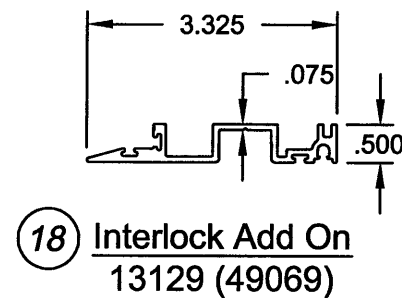
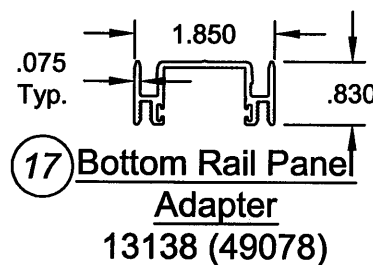
Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. No changes this sheet
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

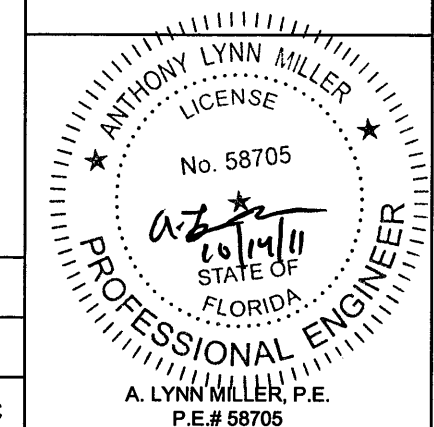
Description: EXTRUSIONS			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: .75	Sheet: 8 of 18	Drawing No. 3030-SM-165
Rev: C			

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Manuel*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *Anthony Lynn Miller*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Removed Al reinforcement
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: EXTRUSIONS (CONT.)			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: .75	Sheet: 9 of 18	Drawing No. 3030-SM-165
Rev: C			

FACTORY-INSTALLED HARDWARE

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



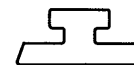
34 Bead Wstp.
6TP247



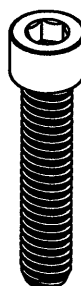
31 Wstp .187 x .210 FS
61059



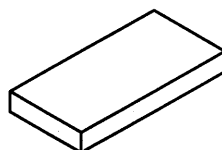
32 Wstp .187 x .200 QLON
6Q200K (1213)



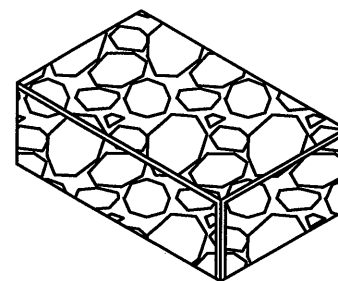
33 Glazing Leg Gasket
13115



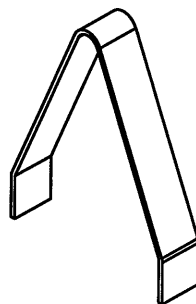
38 Panel Assembly Screw
1/4-20 x 1.25" Socket Head,
SS71420X114SHCFX



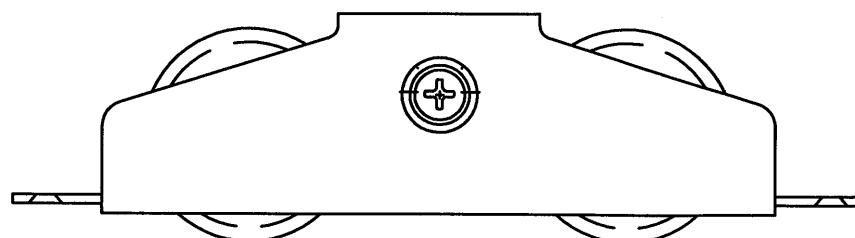
35 Setting Block
71267N (1267)



37 Open Cell Foam Pad
7PAD1626



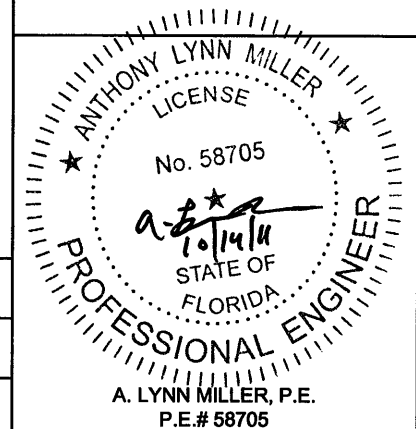
28 Reinforcement
Spring Clip
749 (7BRKTM25)



22 Roller Assembly
Side Mount Shown
8153 (78153N)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114-04
Expiration Date 02/14/2018
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018-10
Expiration Date 02/14/2013
By *Manuel Perez*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. No changes this sheet
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: PARTS DETAIL			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: 1/4x	Sheet: 10 of 18	Drawing No. 3030-SM-165
			Rev: C

FIELD-INSTALLED HARDWARE

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

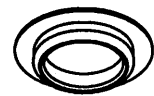
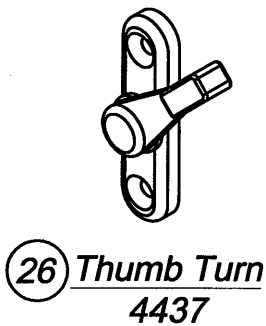
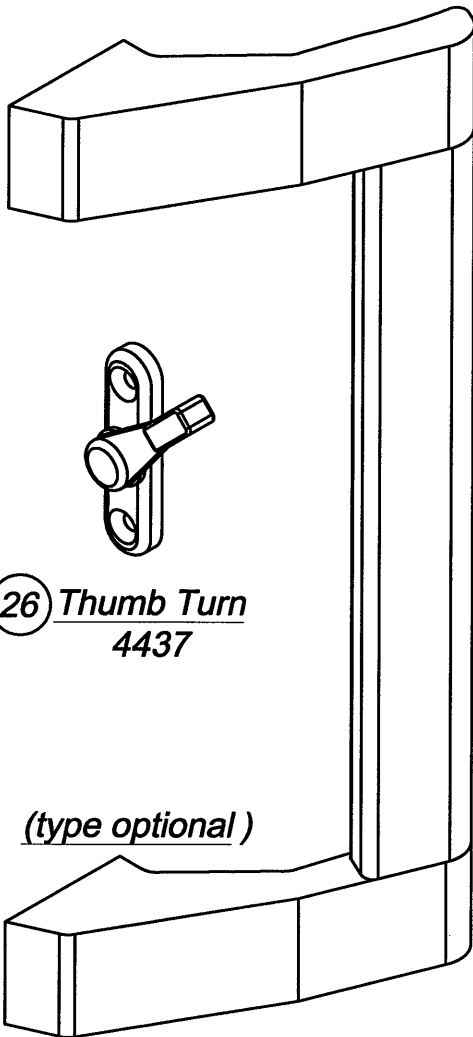
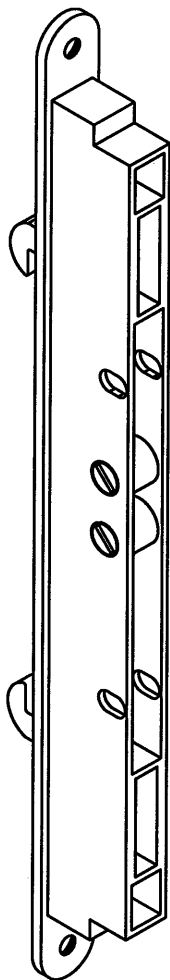
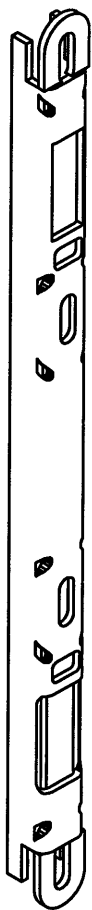
30 Fixed Panel Gasket
GG38500 (13144)

39 Frame Assembly Screw
#10 X 1.25" Ph, PH, SS
13021

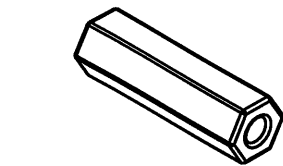
42 Mortise Latch/Roller Screw
#10-32 x 1" Ph, FH,
Self-Tap 71032X1FPFX

41 Interlock Screw
#10 x 3/4" Ph, PH, SS
SD 710X34PPSDAX

40 Tinnerman Nut
7103239

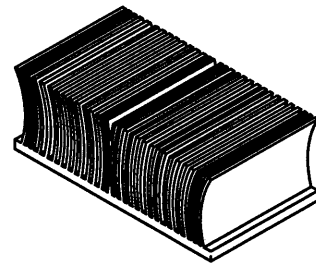
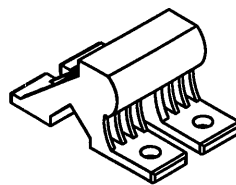


47 Cap Plug
48052 (8052)



45 Double Handle Nut
1137816 (13140)

46 Keeper Screw
#10 x 3/4" Ph, PH, SS
710X115PPX

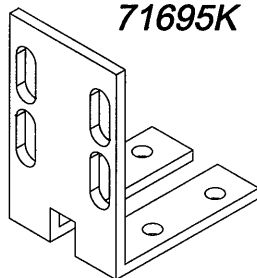
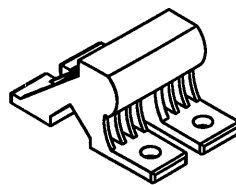


26 Thumb Turn
4437

(type optional)

48 4 Hole Bumper Stop
4385 (71164W, K, S)

36 1.5 X 1.0 X .75
Dust Plug
71695K



25 1/2" SS Keeper
4438

24 Gemini Lock
78185X (4439)

29 Handle Set (13143)
DL915A (Bronze)
DL915DU (Satin)

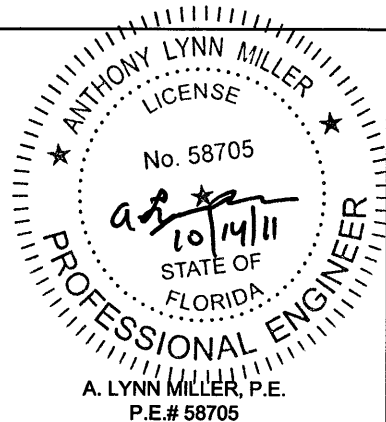
49 Bumper StopScrew
8 x 3/8" Tek
78X38PPTX

76 Fixed Panel
Angle Bracket
74356A



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-1114.04
Expiration Date 02/14/2018
By *Maurice Perry*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1018.10
Expiration Date 02/14/2013
By *Anthony Lynn Miller*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. No changes this sheet
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



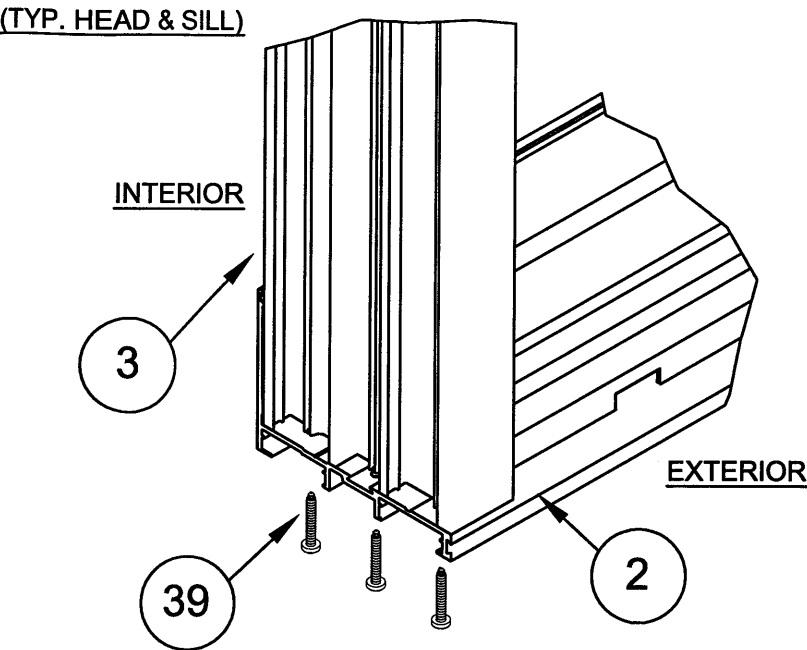
Description: PARTS DETAIL (CONT.)			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 11 of 18	Drawing No. 3030-SM-165
Rev: C			

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

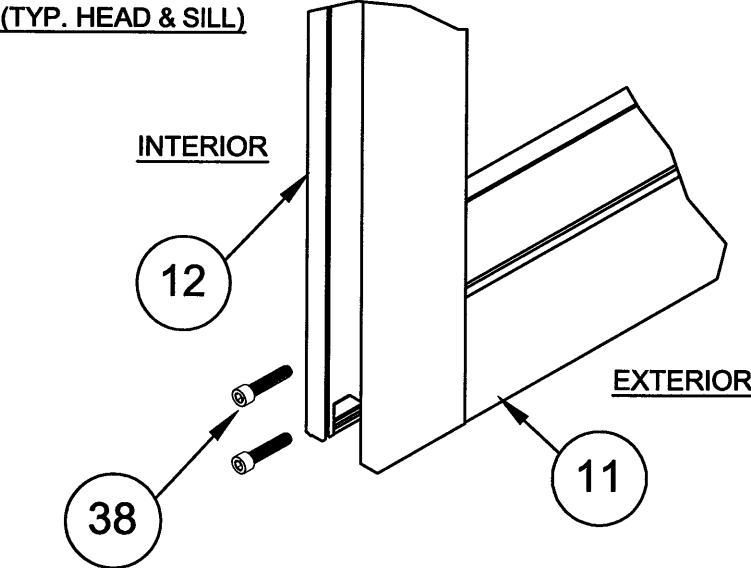
PANEL TYPES

PANEL LETTER	<div>↑ INTERIOR (ALL PANEL TYPES) ↓ EXTERIOR</div>		
XL	JAMB STILE		EXTERIOR INTERLOCK
OR	INTERIOR INTERLOCK		JAMB STILE
XAR	EXTERIOR INTERLOCK		ASTRAGAL
OL	JAMB STILE		INTERIOR INTERLOCK
OAR	ASTRAGAL		JAMB STILE
XAL	ASTRAGAL		EXTERIOR INTERLOCK
XR	EXTERIOR INTERLOCK		JAMB STILE
OAL	JAMB STILE		ASTRAGAL

MAIN FRAME

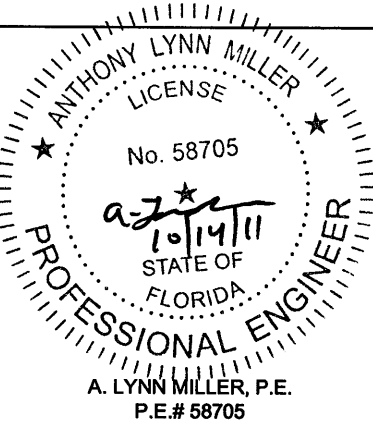


PANEL



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By Manuel Ruiz
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By [Signature]
Miami Dade Product Control



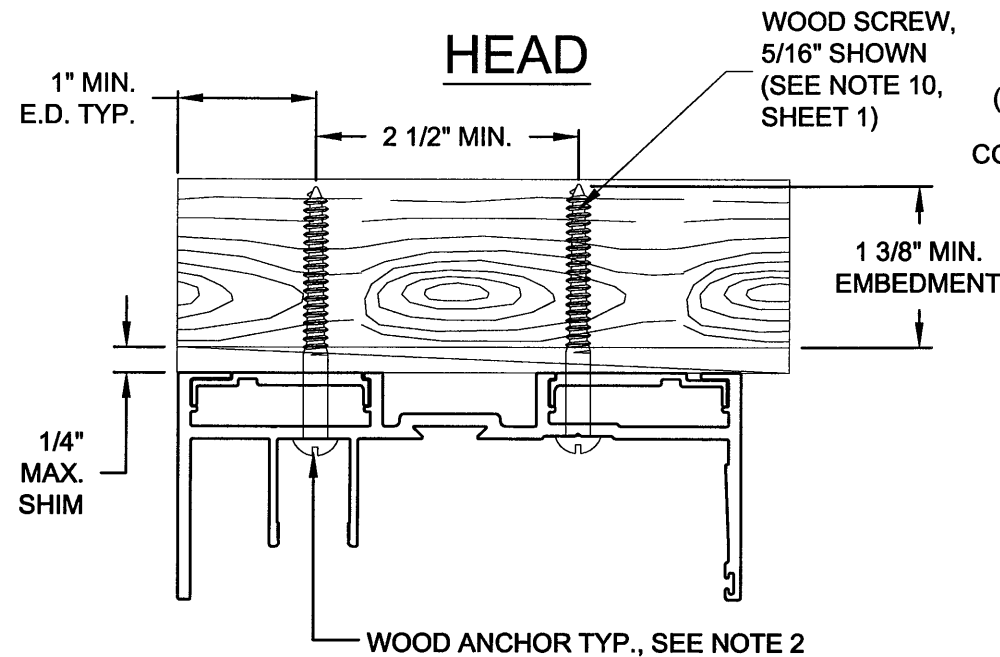
Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. No changes this sheet
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: PANEL TYPES & CORNER ASSEMBLY			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 12 of 18	Drawing No. 3030-SM-165
Rev: C			

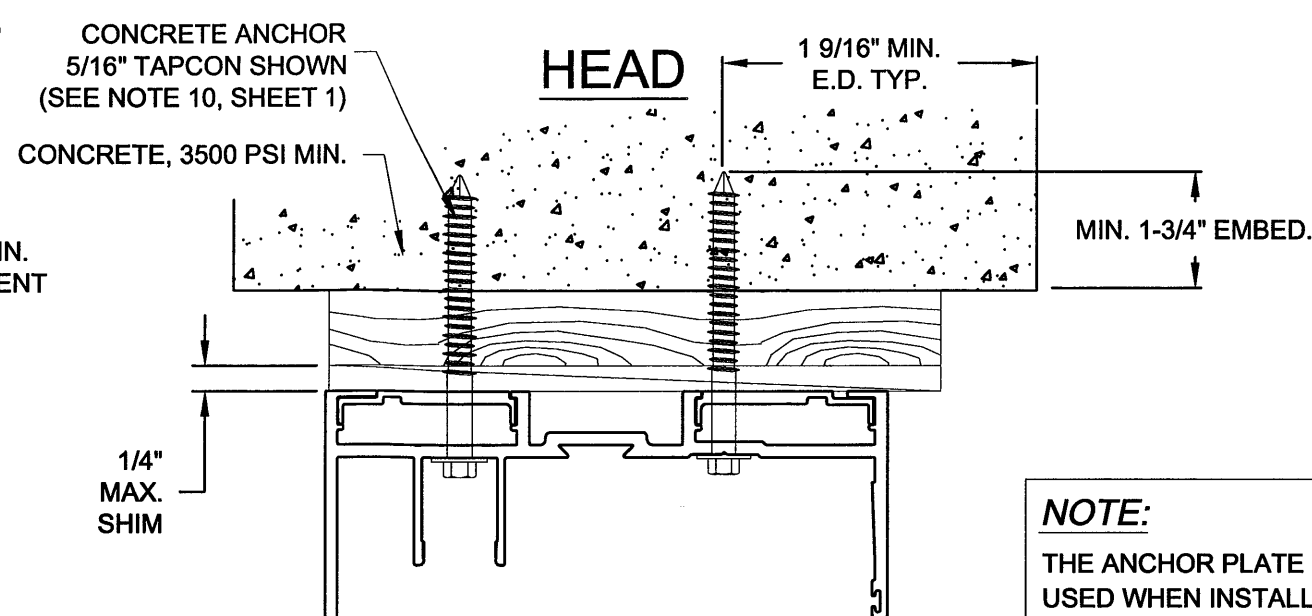
NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY



DETAIL A

2X WOOD BUCK OR DIRECTLY INTO WOOD FRAMING, SEE NOTE 1

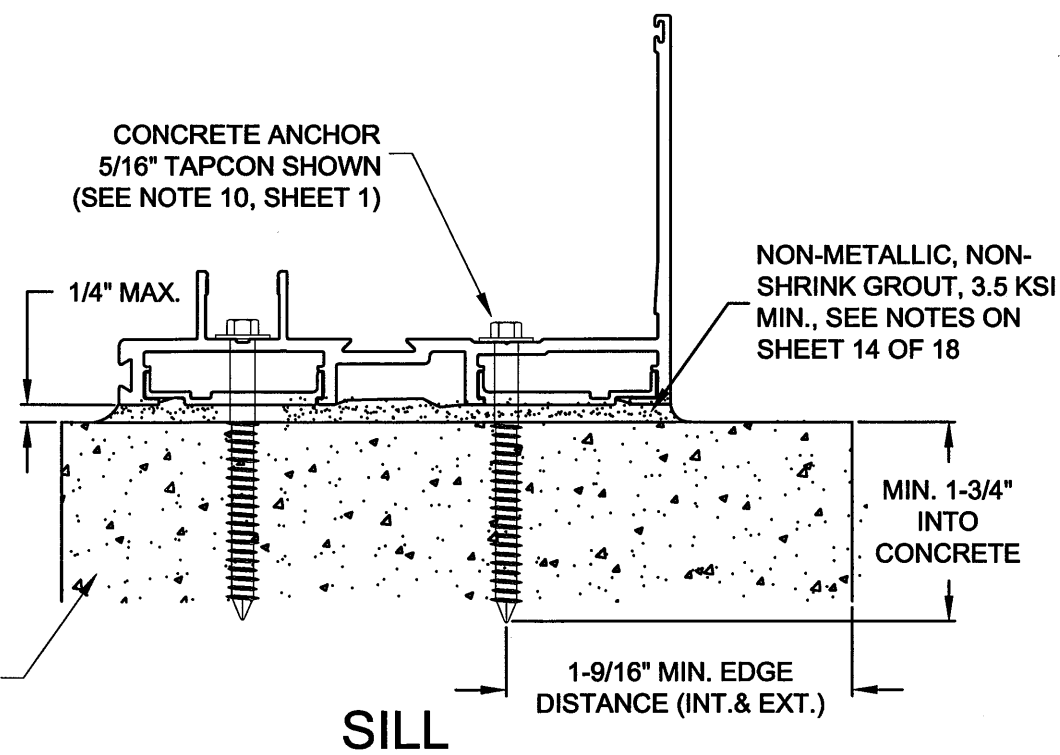
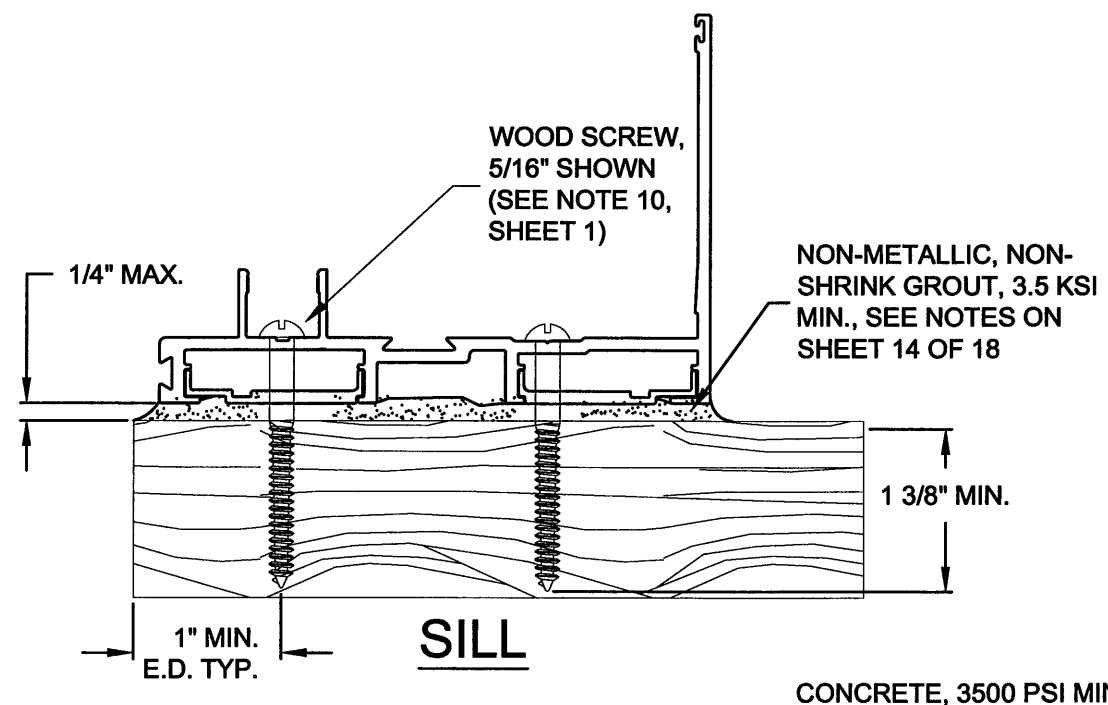
INTERIOR →
(ALL VERTICAL SECTIONS)
← EXTERIOR



DETAIL A

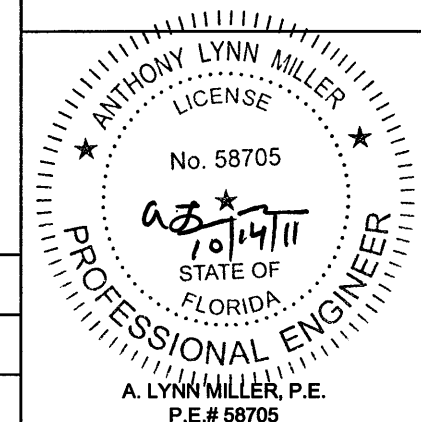
CONCRETE OR CONCRETE BLOCK SUBSTRATE WITH OPTIONAL 1X WOOD BUCK, SEE NOTE 1

NOTE:
THE ANCHOR PLATE MUST BE USED WHEN INSTALLING INTO WOOD.



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Mamuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *Anthony Lynn Miller*
Miami Dade Product Control

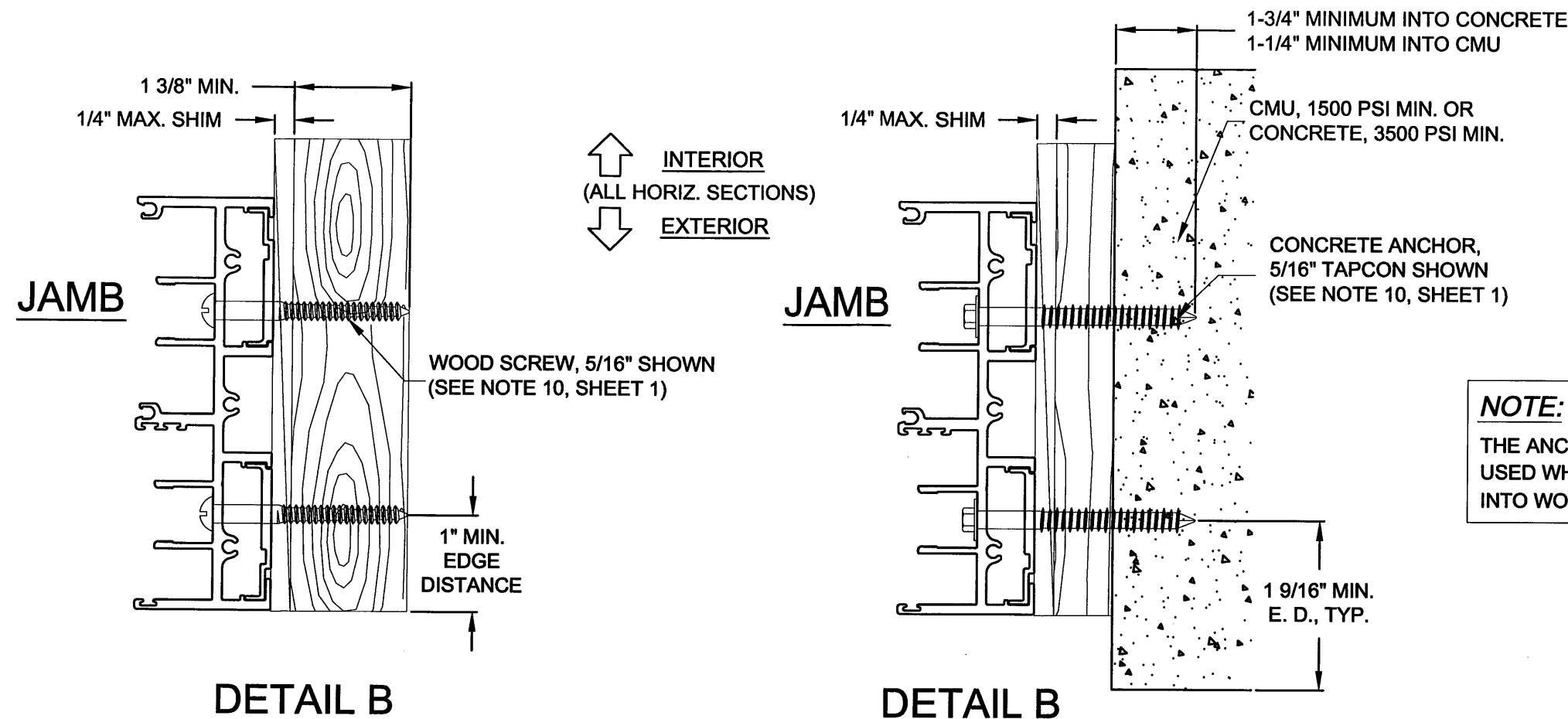


Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Changed anchors to 5/16" Tapcon and wood screw,
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ANCHORAGE DETAILS			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: .5	Sheet: 13 of 18	Drawing No. 3030-SM-165
Rev: C			



DETAIL B
2X WOOD BUCK OR DIRECTLY INTO
WOOD FRAMING, SEE NOTE 1

DETAIL B
CONCRETE OR CONCRETE BLOCK SUBSTRATE
WITH OPTIONAL 1X WOOD BUCK, SEE NOTE 1

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

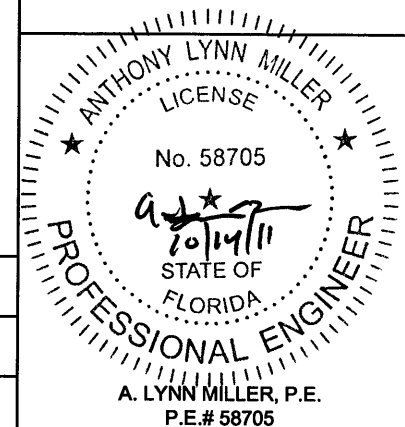
NOTE:
THE ANCHOR PLATE MUST BE
USED WHEN INSTALLING
INTO WOOD.

NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ANCHORS. SEE TYPE ON FOLLOWING SHEETS.
2. FOR WOOD APPLICATIONS USE #14 WOOD SCREWS. 5/16" ELCO TAPCONS MAY BE USED INSTEAD OF #14 SCREWS.
3. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
2. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. SHIMS MAY NOT BE USED. THE ANCHOR SHALL BE A #14 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES, ANCHORAGE SPACING AND QUANTITIES FOR A #14 WOOD SCREW MAY BE USED.
5. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3500 PSI MIN., (DONE BY OTHERS) 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. GROUT MAXIMUM THICKNESS TO BE .25".

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-1114.04**
Expiration Date **02/14/2018**
By *Maurice Pina*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1018.10**
Expiration Date **02/14/2013**
By *Anthony Lynn Miller*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Changed anchors to 5/16" Tapcon and wood screw,
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ANCHORAGE DETAILS (CONT.)			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: .5	Sheet: 14 of 18	Drawing No. 3030-SM-165
			Rev: C

EXAMPLE 1:

FOR A REQUIRED DESIGN PRESSURE OF 152.3 PSF, DOOR SIZE OF 120" X 108",
INSTALLED INTO CONCRETE, AND USING
AN ANCHOR PLATE TO MINIMIZE
ANCHORAGE QUANTITIES:

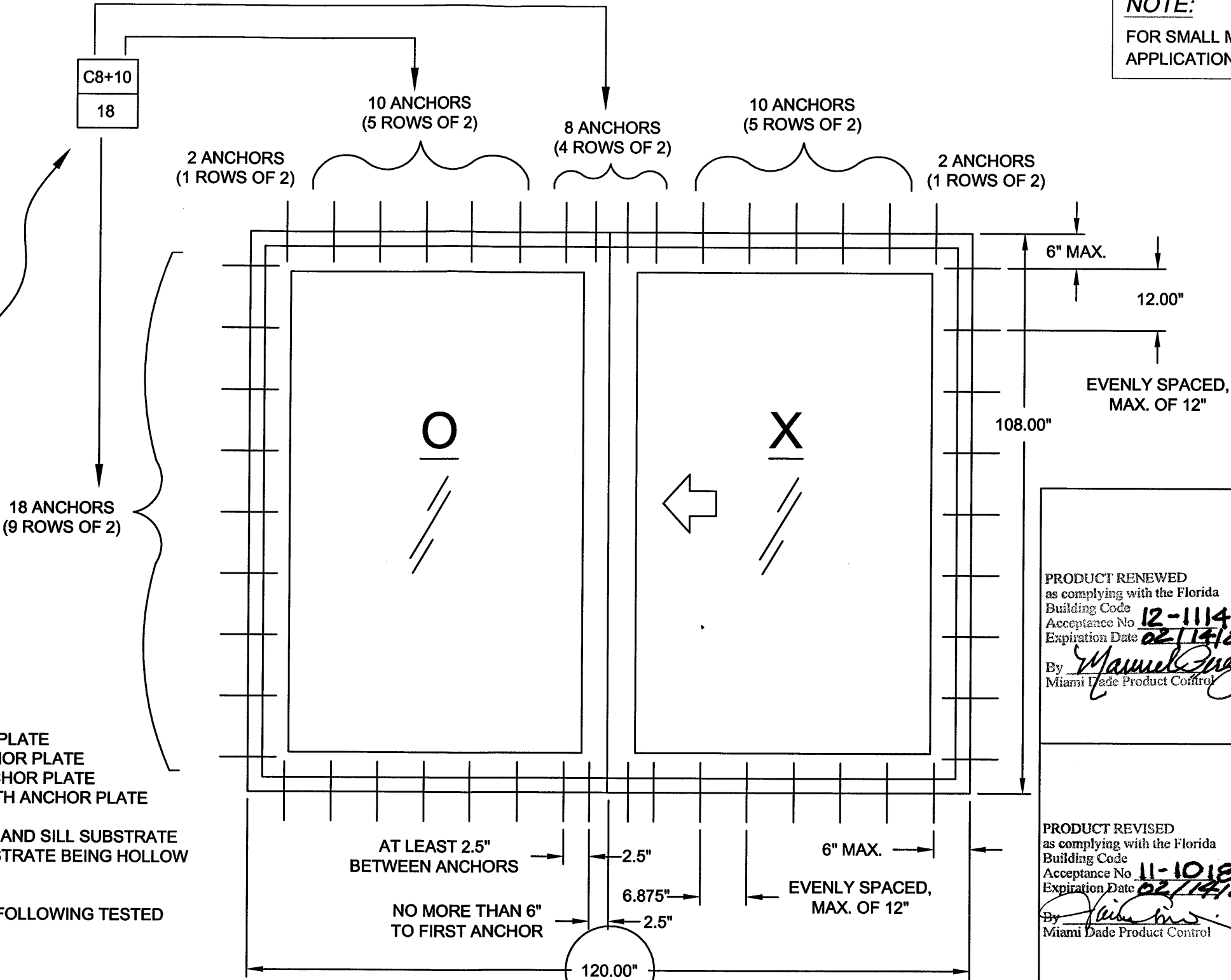
1. FOR THE DESIGN PRESSURE OF 152.3 PSF, CHOOSE THE CHART - SHEET 16.
2. FOR A DOOR SIZE OF 120" X 108", CHOOSE THE PANEL SIZE OF 60" X 108".
3. THE DOOR IS TO BE INSTALLED IN CONCRETE WITH THE ANCHOR PLATE, USE THE ANCHOR QUANTITY AS LISTED.

NOTES:

1. ANCHOR TYPES:
 - 1a. 5/16" ELCO TAPCON WITH ANCHOR PLATE
 - 1b. 5/16" ELCO TAPCON WITHOUT ANCHOR PLATE
 2. 1/4" ELCO S.S. CRETEFLEX WITH ANCHOR PLATE
 3. #14 WOOD SCREWS, INTO WOOD WITH ANCHOR PLATE
2. ANCHOR CALCULATIONS BASED ON HEAD AND SILL SUBSTRATE BEING 3500 KSI CONCRETE, AND JAMB SUBSTRATE BEING HOLLOW CMU OR CONCRETE.
3. ANCHOR LOCATIONS ARE BASED ON THE FOLLOWING TESTED DIMENSIONS AT FULL DP:
HEAD/SILL:
6" MAX. FROM TOP CORNERS
12" MAX. ANCHOR TO ANCHOR
6" MAX. TO THE LEFT AND RIGHT OF ASTRAGAL
JAMBS:
6" MAX. FROM TOP/BOTTOM CORNERS
12" MAX. ANCHOR TO ANCHOR

NOTE:

FOR SMALL MISSILE
APPLICATIONS ONLY

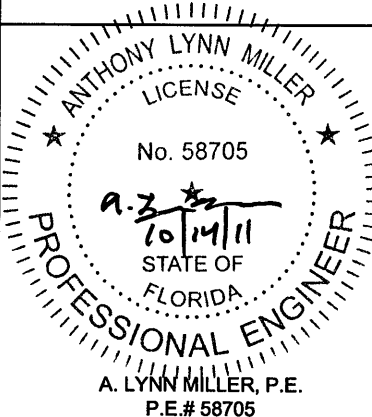


NOTES:

1. HEADER ANCHOR LOCATIONS ALSO APPLY TO SILL, LEFT JAMB LOCATIONS APPLY TO RIGHT JAMB.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1114.04
Expiration Date 02/14/2018
By *Mamuel Puz*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.10
Expiration Date 02/14/2013
By *John Miller*
Miami Dade Product Control



Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. New Drawing
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ANCHORAGE (CONT.)			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 15 of 18	Drawing No. 3030-SM-165
Rev: C			

Anchor Type and Substrate		Anchor Quantity Required for a Max. Design Pressure (psf) of: +150.0 -150.0												FOR THE JAMB, THE HEAD & SILL CLUSTER AND THE HEAD & SILL OUTSIDE OF THE CLUSTER							
		NOM. PANEL HEIGHT (IN)																			
		80				84				96				108				120			
NOM PANEL WIDTH (IN)	FRAME SIDE	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate
24	Head & Sill	C4+4	C8+4	C4+4	C4+4	C4+4	C10+4	C4+4	C4+4	C4+4	C10+4	C4+4	C6+4	NOT AVAILABLE IN THESE SIZES							
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16								
30	Head & Sill	C4+4	C10+4	C4+4	C6+4	C4+4	C10+4	C4+4	C6+4	C4+4	C12+4	C6+4	C6+4	C4+4	C14+4	C6+4	C8+4	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18				
36	Head & Sill	C4+6	C12+6	C6+6	C6+6	C4+6	C12+6	C6+6	C6+6	C4+6	C14+4	C6+6	C8+6	C6+6	C16+4	C8+6	C8+6	C6+6	C18+4	C8+6	C10+6
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20
42	Head & Sill	C4+6	C12+6	C6+6	C6+6	C4+6	C14+6	C6+6	C6+6	C6+6	C16+6	C8+6	C8+6	C6+6	C18+6	C8+6	C10+6	C6+6	C20+6	C10+6	C10+6
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20
48	Head & Sill	C4+8	C14+6	C6+8	C6+8	C4+8	C14+6	C6+8	C8+8	C6+8	C18+6	C8+8	C8+8	C6+8	C20+6	C8+8	C10+8	C6+8	C22+6	C10+8	C12+8
	Jamb	14	14	14	14	14	16	14	14	16	18	16	16	18	20	18	18	20	22	20	20
54	Head & Sill	C4+8	C14+8	C6+8	C8+8	C4+8	C16+8	C6+8	C8+8	C6+8	C18+8	C8+8	C10+8	C6+8	C22+8	C10+8	C10+8	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	16	14	14	14	16	14	14	16	20	16	16	18	22	18	18				
60	Head & Sill	C4+10	C16+10	C6+10	C8+10	C6+10	C16+10	C8+10	C8+10	C6+10	C20+10	C8+10	C10+10	C8+10	C22+10	C10+10	C12+10	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	18	14	14	14	18	14	14	16	22	16	16	18	24	18	18				

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

ANCHOR TYPES:
1a. 5/16" ELCO TAPCON
WITH ANCHOR PLATE
1b. 5/16" ELCO TAPCON
WITHOUT ANCHOR PLATE
2. 1/4" ELCO S.S.
CRETEFLEX WITH
ANCHOR PLATE
3. #14 WOOD SCREWS,
INTO WOOD WITH
ANCHOR PLATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-1114.04**
Expiration Date **02/14/2018**
By *Manuel Perez*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1018.10**
Expiration Date **02/14/2013**
By *John Miller*
Miami Dade Product Control

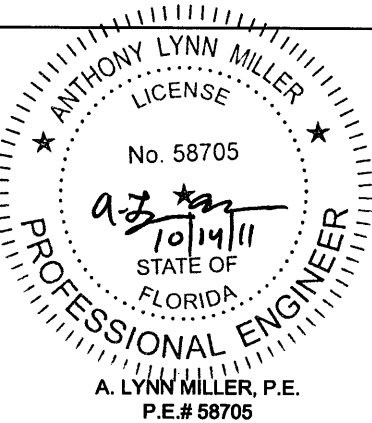
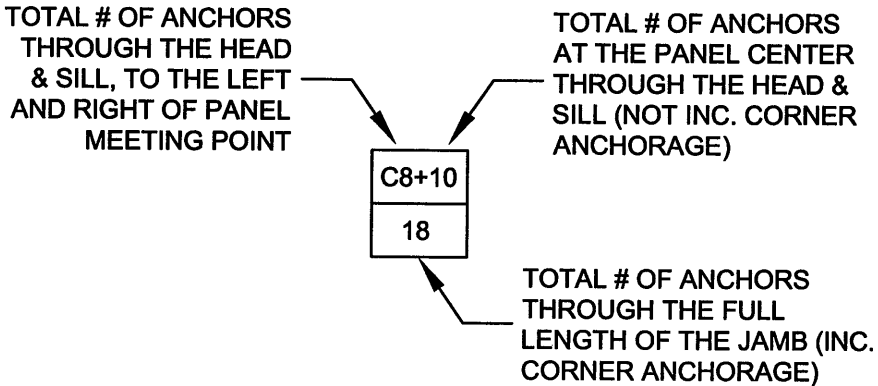


TABLE KEY



- ANCHOR PLATE NOTES:**
1. THE ANCHOR PLATE IS TO BE USED WHEN SPECIFIED BY THE CHART. ANCHOR CAPACITY IS CRUCIAL TO THE USE OF THE ANCHOR PLATE.
2. THE ANCHOR PLATE IS ONLY OPTIONAL WHEN USING 5/16" TAPCONS. GREATER ANCHOR QUANTITIES MUST BE USED, AS LISTED IN THE CHART.

- INSTRUCTIONS ON USING THE ANCHORAGE TABLES:**
1. DETERMINE THE DESIGN PRESSURE REQUIRED AND CHOOSE THE APPROPRIATE CHART.
2. USING THE NOMINAL PANEL SIZE, AND THE PREDETERMINED ANCHORAGE TYPE, FIND THE REQUIRED ANCHORAGE QUANTITY.
3. INSTALL WITH THE ANCHOR CONDITIONS OF THE NOTES AND DETAILS OF SHEETS 13 & 14 OF 18.

Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Added notes
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ANCHOR QUANTITIES FOR 150 DP			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 17 of 18	Drawing No. 3030-SM-165
Rev: C			

Anchor Type and Substrate		Anchor Quantity Required for a Max. Design Pressure (psf) of: +135.0 -135.0												FOR THE JAMB, THE HEAD & SILL CLUSTER AND THE HEAD & SILL OUTSIDE OF THE CLUSTER							
		NOM. PANEL HEIGHT (IN)																			
		80				84				96				108				120			
NOM PANEL WIDTH (IN)	FRAME SIDE	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate	1a, Concrete w/ Anchor Plate	1b, Concrete	2, Concrete w/ Anchor Plate	3, Wood w/ Anchor Plate
24	Head & Sill	C2+4	C8+4	C4+4	C4+4	C4+4	C8+4	C4+4	C4+4	C4+4	C10+4	C4+4	C6+4	NOT AVAILABLE IN THESE SIZES							
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16								
30	Head & Sill	C4+4	C10+4	C4+4	C4+4	C4+4	C10+4	C4+4	C6+4	C4+4	C12+4	C6+4	C6+4	C4+4	C12+4	C6+4	C6+4	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18				
36	Head & Sill	C4+6	C10+6	C4+6	C6+6	C4+6	C12+6	C6+6	C6+6	C4+6	C12+6	C6+6	C6+6	C4+6	C14+4	C6+6	C8+6	C6+6	C16+4	C8+6	C8+6
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20
42	Head & Sill	C4+6	C12+6	C6+6	C6+6	C4+6	C12+6	C6+6	C6+6	C4+6	C14+6	C6+6	C8+6	C6+6	C16+6	C8+6	C8+6	C6+6	C18+6	C8+6	C10+6
	Jamb	14	14	14	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20
48	Head & Sill	C4+8	C12+8	C6+8	C6+8	C4+8	C14+6	C6+8	C6+8	C6+8	C16+6	C6+8	C8+8	C6+8	C18+6	C8+8	C10+8	C6+8	C20+6	C8+8	C10+8
	Jamb	14	14	14	14	14	16	14	14	16	18	16	16	18	20	18	18	20	22	20	20
54	Head & Sill	C4+8	C14+8	C6+8	C6+8	C4+8	C14+8	C6+8	C8+8	C6+8	C16+8	C8+8	C8+8	C6+8	C20+8	C8+8	C10+8	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	16	14	14	14	16	14	14	16	20	16	16	18	22	18	18				
60	Head & Sill	C4+10	C14+8	C6+10	C8+10	C4+10	C14+8	C6+10	C8+10	C6+10	C18+8	C8+10	C8+10	C6+10	C20+8	C10+10	C10+10	NOT AVAILABLE IN THESE SIZES			
	Jamb	14	18	14	14	14	18	14	14	16	22	16	16	18	24	18	18				

NOTE:
FOR SMALL MISSILE
APPLICATIONS ONLY

ANCHOR TYPES:
1a. 5/16" ELCO TAPCON
WITH ANCHOR PLATE
1b. 5/16" ELCO TAPCON
WITHOUT ANCHOR PLATE
2. 1/4" ELCO S.S.
CRETEFLEX WITH
ANCHOR PLATE
3. #14 WOOD SCREWS,
INTO WOOD WITH
ANCHOR PLATE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **12-1114.0A**
Expiration Date **02/14/2018**
By *Manuel S. Cruz*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **11-1018.10**
Expiration Date **02/14/2013**
By *Manuel S. Cruz*
Miami Dade Product Control

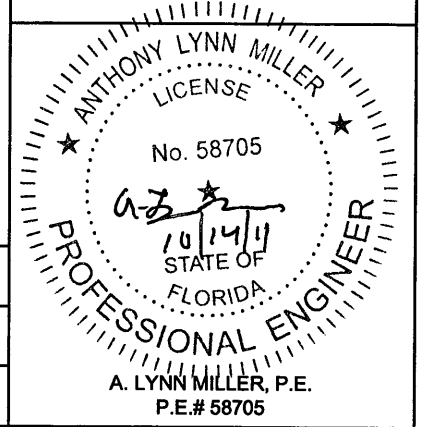
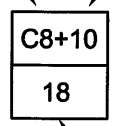


TABLE KEY

TOTAL # OF ANCHORS
THROUGH THE HEAD
& SILL, TO THE LEFT
AND RIGHT OF PANEL
MEETING POINT

TOTAL # OF ANCHORS
AT THE PANEL CENTER
THROUGH THE HEAD &
SILL (NOT INC. CORNER
ANCHORAGE)



TOTAL # OF ANCHORS
THROUGH THE FULL
LENGTH OF THE JAMB (INC.
CORNER ANCHORAGE)

- ANCHOR PLATE NOTES:**
1. THE ANCHOR PLATE IS TO BE USED WHEN SPECIFIED BY THE CHART.
ANCHOR CAPACITY IS CRUCIAL TO THE USE OF THE ANCHOR PLATE.
2. THE ANCHOR PLATE IS ONLY OPTIONAL WHEN USING 5/16" TAPCONS.
GREATER ANCHOR QUANTITIES MUST BE USED, AS LISTED IN THE CHART.
- INSTRUCTIONS ON USING THE ANCHORAGE TABLES:**
1. DETERMINE THE DESIGN PRESSURE REQUIRED AND CHOOSE THE
APPROPRIATE CHART.
2. USING THE NOMINAL PANEL SIZE, AND THE PREDETERMINED
ANCHORAGE TYPE, FIND THE REQUIRED ANCHORAGE QUANTITY.
3. INSTALL WITH THE ANCHOR CONDITIONS OF THE NOTES AND DETAILS
OF SHEETS 13 & 14 OF 18.

Revsd By: J.R.	Date: 11/05/07	Revisions: A	A. Added notes
Revsd By: J.R.	Date: 11/20/07	Revisions: B	B. No changes this sheet.
Revsd By: J.J.	Date: 10/13/11	Revisions: C	NO CHANGE THIS SHEET
Drawn By: J.R.	Date: 8/01/07	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description: ANCHOR QUANTITIES FOR 135 DP			
Title: ALUM. SGD SERIES 3030, (SMALL MISSILE)			
Series/Model: SGD3030	Scale: NTS	Sheet: 18 of 18	Drawing No. 3030-SM-165
Rev: C			