CITY OF BOCA RATON COMMUNITY APPEARANCE BOARD
ORDER OF DECISION

Permit No.: 12-6329 **Agenda Date:** 11/13/2012

MOTION:
- ☐ Approved With Conditions
- ☐ Postponed
- ☑ Approved As Submitted
- ☐ Denied

VOTES

	Y	N	Abstain	Absent
Everett H. Jenner	✓			
Linda Baumann	✓			
Larry Cellon	✓			
Krsto Stamatovski	✓			
Gregory C. Miklos				✓
Joe Peterson	✓			
Jess M. Sowards	✓			
Bradley Wanzenberg	✓			

ITEM# 23

DESCRIPTION:

Project Name: IMPACT SLIDING GLASS DOOR

Job Address: 884 SW 9 ST CIR, UNIT 102

Representative: MIKE PICKER

CONDITION:

The Community Appearance Board hereby imposes the following condition(s):

(*) AS SUBMITTED.

Done and ordered at Boca Raton, Palm Beach County, Florida on: 11/13/2012

Larry Cellon

Larry Cellon, Chairman
Everett H. Jenner, Vice Chair
Community Appearance Board

OFFICE USE ONLY

Date Received by Applicant*: 11/13/2012

Signature of Applicant:*

Print Name: Mike Picker

* Note: Indicates acknowledgement of conditions

FLORIDA IMPACT WINDOWS & DOORS

Mail Payments to: 801 N.W. 49th Way * Coconut Creek, FL 33063
Phone: (954) 822-0867 * Fax: (954) 977-3188
Email: sales@floridaimpact.com
Lic # CGC1516406

Date: 10/3/12 ☐MATERIALS ONLY ☒ MATERIALS AND INSTALLATION

OWNER/AGENT: Juanda Shields FOLIO:

JOB SITE ADDRESS: 8845W 9th St Cir. #102

CITY, STATE, ZIP: Boca, FL.

PHONE #: HOME: CELL: WORK/EMAIL:

Florida Impact Windows & Doors shall either SUPPLY or SUPPLY AND INSTALL windows and/or doors as specified on the attached floor plan.

Florida Impact Windows & Doors shall perform the following additional work not specified in "Scope of the Work" (Paragraph #1 of the Terms and Conditions). Such additional work shall either be INCLUDED in the Contract Price or BILLED SEPARATELY as noted below: If city permit fee exceeds $275.00 or if engineering fee exceeds amount listed below, balance will be due upon second payment. Florida Impact is not responsible for reinspection fees that are assessed due to no access to the property.

Replace [redacted] screening with Impact, Bronze Frames, Low E Solarban 70XL Glass which has a slight green tint, on top of Clear Glass. Remove shutters

CAB APPROVED As Submitted

I understand and accept the proposal, and have had the opportunity to read and ask questions about all the pages before signing. I also agree to the operational active side of each window and door on the floor plan.

By: Juanda Shields
(Signature of Owner or agent)

Date:

Salesman:

Officer:

MATERIAL:	6693.00
TAX:	—
INSTALLATION:	800.00
OTHER WORK:	—
PERMIT/DRAWINGS:	550.00
ENGINEERING:	—
TOTAL:	8043.00

PAYMENT SCHEDULE:	
50% DEPOSIT:	4021.50
40% ON ARRIVAL OF MATERIALS:	3,217.20
BALANCE DUE UPON COMPLETION:	804.30

READ BEFORE SIGNING – BUYER'S RIGHT TO CANCEL: "If this is a home solicitation sale, and if you do not want the goods or services, you may cancel this agreement by providing written notice to the seller in person, by telegram, or by mail. This notice must indicate that you do not want the goods or services and must be delivered or postmarked before midnight of the third business day after you sign this agreement. If you cancel this agreement (within the three days) the seller may not keep all or part of any cash down payment."

Boca Terrace Condominium Association, Inc.
800 S.W. 9th Street Circle
Boca Raton, Florida 33486
561-368-9697 - - Fax: 561-389-9110

BOCA TERRACE ARCHITECTURAL CONTROL COMMITTEE REQUEST FORM

Note: This form must be completed in full detail and submitted fifteen (15) days prior to the next regularly scheduled Architectural Control Committee meeting.

Application#: Boca Terrace
(To be assigned by Committee or Management Company)

Applicant/Owner: John & Juanda Shields

Address and /and Unit#: 884 South West 9th St Circle, Unit 102 Boca Raton FL 33486

Mailing Address: Same

Phone (Home): 561-368-5543 **Office)** 914-434-7060

Fax:

Request: Please describe in detail. Include materials, colors, locations and dimensions. Applications involving screen enclosures, patios, hedges, additional landscaping, hurricane protection, or other alterations of any kind Must include detailed drawings from contractor (if using contractor). Also, please refer to the Boca Terrace Condominium Assn. Inc. Declaration of Covenants and Restrictions (#5) Maintenance, Alteration and Improvements for additional information and requirements.

Remove Screens Replace with Impact GLASS Doors.
Please see attached Sketch

Name of Contractor: Brian Scott ALTMAN
(Include copy of Contractor's Palm Beach County Occupational licenses, as well as liability and workmen's compensation insurance naming Boca Terrace Condominium Assn. Inc. as co-insured. Attach copy of building permit, if required by Palm Beach County/City of Boca Raton. Copy of final inspection approval from Palm Beach County/City of Boca Raton MUST be supplied to Committee when work is complete or approval may be revoked.)

I/We hereby make application to the Architectural Control Committee for the above-described application to be approved in writing by the Committee and the Board of Directors. I/We understand that approval of our request must be granted, in writing, before work commences. I/We acknowledge that we have read and understand and will abide by the Boca Terrace Condominium Assn. Inc. Covenants and Restrictions (#5) Maintenance, Alteration and Improvements. I/We understand that our application may be delayed if insufficient information is included in our request.

John F Shields
Signature of Applicant

Date: 9/25/12

Yolanda Shields
Signature of Applicant

Approved by: Lorraine Sharp
(Signature and printed name of Committee Chairman or authorized agent)

Date: 9/27/12

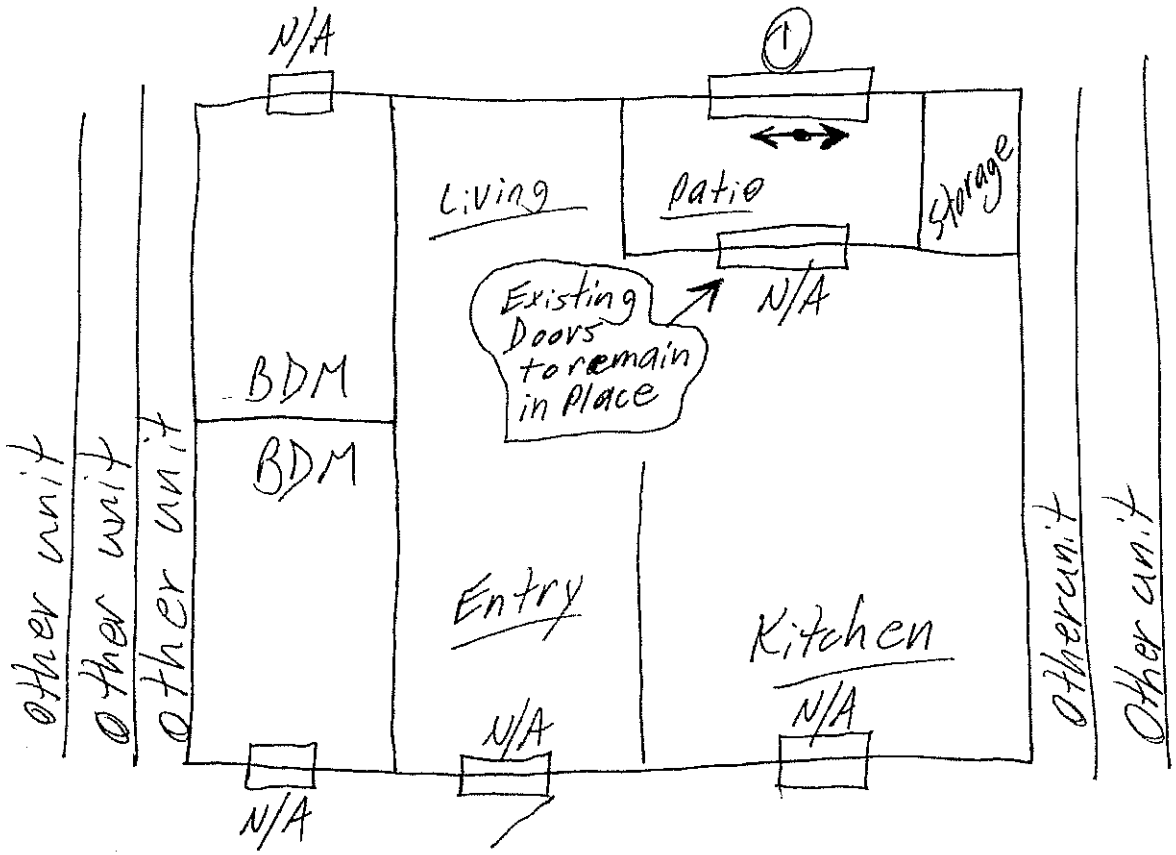
Approved by: _____
(Signature and printed name of Board President or authorized agent)

Date: _____

Comments:

~~154 1/2 x 98 3/8~~ 153 1/2 x 97 5/8

① 154½ x 98⅜ SGD OXXO with Screens
PGT/770/Bronze frame/Clear Solarbax 70 XL LOW E Glass/9/16/



914-434-7060
Juanda Shields
884 SW 9th St. Cir.
#102
Boca Raton, FL.

Middle Unit
2 story Bld.
First floor

2010 FLORIDA BUILDING CODE/ASCE 7-10

WORST CASE DESIGN PRESSURE CHART FOR COMPONENTS AND CLADDING

For Buildings with a Mean Roof Height of 60 Feet or Less

CATEGORY 5
Engineering Services, Inc.
1600 S. Federal Hwy Ste 207, Pompano Beach, FL 33062
(954) 784-6991 Tel / (954) 781-5708 Fax / info@c5es.com / CA #25854

DESIGN PRESSURES FOR INTERIOR ZONES ("Zone 4")

Mean Roof Height	Tributary Area (sq. ft)								
(ft)	10	15	20	25	30	35	40	45	50
15	37.8	36.8	36.1	35.5	35.1	34.7	34.4	34.1	33.8
	-41.0	-40.0	-39.3	-38.7	-38.3	-37.9	-37.6	-37.3	-37.0
16	38.3	37.3	36.6	36.0	35.6	35.2	34.9	34.6	34.3
	-41.6	-40.5	-39.8	-39.3	-38.8	-38.4	-38.1	-37.8	-37.6
17	38.8	37.8	37.1	36.5	36.0	35.6	35.3	35.0	34.7
	-42.1	-41.1	-40.3	-39.8	-39.3	-38.9	-38.6	-38.3	-38.0
18	39.3	38.2	37.5	36.9	36.5	36.1	35.7	35.4	35.2
	-42.6	-41.6	-40.8	-40.3	-39.8	-39.4	-39.1	-38.8	-38.5
19	39.7	38.7	37.9	37.4	36.9	36.5	36.1	35.8	35.6
	-43.1	-42.0	-41.3	-40.7	-40.3	-39.9	-39.5	-39.2	-38.9
20	40.2	39.1	38.3	37.8	37.3	36.9	36.5	36.2	36.0
	-43.6	-42.5	-41.7	-41.2	-40.7	-40.3	-39.9	-39.6	-39.4
22	41.0	39.9	39.1	38.5	38.0	37.6	37.3	37.0	36.7
	-44.4	-43.4	-42.6	-42.0	-41.5	-41.1	-40.7	-40.4	-40.2
24	41.7	40.6	39.8	39.2	38.7	38.3	38.0	37.6	37.4
	-45.3	-44.2	-43.4	-42.8	-42.3	-41.9	-41.5	-41.2	-40.9
26	42.4	41.3	40.5	39.9	39.4	39.0	38.6	38.3	38.0
	-46.0	-44.9	-44.1	-43.5	-43.0	-42.6	-42.2	-41.9	-41.6
28	43.1	42.0	41.2	40.5	40.0	39.6	39.2	38.9	38.6
	-46.8	-45.6	-44.8	-44.2	-43.7	-43.2	-42.9	-42.5	-42.2
30	43.7	42.6	41.8	41.1	40.6	40.2	39.8	39.5	39.2
	-47.4	-46.3	-45.5	-44.8	-44.3	-43.9	-43.5	-43.2	-42.9
32	44.3	43.2	42.3	41.7	41.2	40.7	40.3	40.0	39.7
	-48.1	-46.9	-46.1	-45.4	-44.9	-44.5	-44.1	-43.8	-43.5
34	44.9	43.7	42.9	42.2	41.7	41.2	40.9	40.5	40.2
	-48.7	-47.5	-46.7	-46.0	-45.5	-45.1	-44.7	-44.3	-44.0
36	45.4	44.2	43.4	42.7	42.2	41.7	41.3	41.0	40.7
	-49.3	-48.1	-47.2	-46.6	-46.1	-45.6	-45.2	-44.9	-44.5
38	46.0	44.8	43.9	43.2	42.7	42.2	41.8	41.5	41.2
	-49.9	-48.6	-47.8	-47.1	-46.6	-46.1	-45.7	-45.4	-45.1
40	46.5	45.2	44.4	43.7	43.1	42.7	42.3	41.9	41.6
	-50.4	-49.2	-48.3	-47.6	-47.1	-46.6	-46.2	-45.9	-45.5
44	47.4	46.2	45.3	44.6	44.0	43.5	43.1	42.8	42.4
	-51.4	-50.2	-49.3	-48.6	-48.0	-47.6	-47.2	-46.8	-46.5
48	48.3	47.0	46.1	45.4	44.8	44.4	43.9	43.6	43.2
	-52.4	-51.1	-50.2	-49.5	-48.9	-48.4	-48.0	-47.7	-47.3
52	49.1	47.8	46.9	46.2	45.6	45.1	44.7	44.3	44.0
	-53.3	-52.0	-51.1	-50.3	-49.8	-49.3	-48.8	-48.5	-48.1
56	49.9	48.6	47.6	46.9	46.3	45.8	45.4	45.0	44.7
	-54.1	-52.8	-51.9	-51.1	-50.5	-50.0	-49.6	-49.2	-48.9
60	50.6	49.3	48.3	47.6	47.0	46.5	46.0	45.7	45.3
	-54.9	-53.6	-52.6	-51.9	-51.3	-50.8	-50.3	-49.9	-49.6

DESIGN PRESSURES FOR EXTERIOR ZONES ("Zone 5")

Mean Roof Height	Tributary Area (sq. ft)								
(ft)	10	15	20	25	30	35	40	45	50
15	37.8	36.8	36.1	35.5	35.1	34.7	34.4	34.1	33.8
	-50.6	-48.6	-47.2	-46.1	-45.2	-44.5	-43.8	-43.2	-42.7
16	38.3	37.3	36.6	36.0	35.6	35.2	34.9	34.6	34.3
	-51.3	-49.3	-47.8	-46.7	-45.8	-45.1	-44.4	-43.8	-43.3
17	38.8	37.8	37.1	36.5	36.0	35.6	35.3	35.0	34.7
	-52.0	-49.9	-48.5	-47.3	-46.4	-45.6	-45.0	-44.4	-43.8
18	39.3	38.2	37.5	36.9	36.5	36.1	35.7	35.4	35.2
	-52.6	-50.5	-49.0	-47.9	-47.0	-46.2	-45.5	-44.9	-44.4
19	39.7	38.7	37.9	37.4	36.9	36.5	36.1	35.8	35.6
	-53.2	-51.1	-49.6	-48.5	-47.5	-46.7	-46.0	-45.4	-44.9
20	40.2	39.1	38.3	37.8	37.3	36.9	36.5	36.2	36.0
	-53.8	-51.7	-50.1	-49.0	-48.0	-47.2	-46.5	-45.9	-45.4
22	41.0	39.9	39.1	38.5	38.0	37.6	37.3	37.0	36.7
	-54.9	-52.7	-51.2	-50.0	-49.0	-48.2	-47.5	-46.8	-46.3
24	41.7	40.6	39.8	39.2	38.7	38.3	38.0	37.6	37.4
	-55.9	-53.7	-52.1	-50.9	-49.9	-49.1	-48.4	-47.7	-47.1
26	42.4	41.3	40.5	39.9	39.4	39.0	38.6	38.3	38.0
	-56.8	-54.6	-53.0	-51.8	-50.8	-49.9	-49.2	-48.5	-47.9
28	43.1	42.0	41.2	40.5	40.0	39.6	39.2	38.9	38.6
	-57.7	-55.4	-53.8	-52.6	-51.6	-50.7	-49.9	-49.3	-48.7
30	43.7	42.6	41.8	41.1	40.6	40.2	39.8	39.5	39.2
	-58.6	-56.3	-54.6	-53.3	-52.3	-51.4	-50.7	-50.0	-49.4
32	44.3	43.2	42.3	41.7	41.2	40.7	40.3	40.0	39.7
	-59.4	-57.0	-55.4	-54.1	-53.0	-52.1	-51.4	-50.7	-50.1
34	44.9	43.7	42.9	42.2	41.7	41.2	40.9	40.5	40.2
	-60.1	-57.8	-56.1	-54.8	-53.7	-52.8	-52.0	-51.3	-50.7
36	45.4	44.2	43.4	42.7	42.2	41.7	41.3	41.0	40.7
	-60.8	-58.5	-56.8	-55.4	-54.4	-53.4	-52.7	-52.0	-51.3
38	46.0	44.8	43.9	43.2	42.7	42.2	41.8	41.5	41.2
	-61.5	-59.1	-57.4	-56.1	-55.0	-54.1	-53.3	-52.6	-51.9
40	46.5	45.2	44.4	43.7	43.1	42.7	42.3	41.9	41.6
	-62.2	-59.8	-58.0	-56.7	-55.6	-54.6	-53.8	-53.1	-52.5
44	47.4	46.2	45.3	44.6	44.0	43.5	43.1	42.8	42.4
	-63.5	-61.0	-59.2	-57.8	-56.7	-55.8	-54.9	-54.2	-53.6
48	48.3	47.0	46.1	45.4	44.8	44.4	43.9	43.6	43.2
	-64.6	-62.1	-60.3	-58.9	-57.8	-56.8	-55.9	-55.2	-54.5
52	49.1	47.8	46.9	46.2	45.6	45.1	44.7	44.3	44.0
	-65.7	-63.2	-61.3	-59.9	-58.7	-57.8	-56.9	-56.1	-55.5
56	49.9	48.6	47.6	46.9	46.3	45.8	45.4	45.0	44.7
	-66.8	-64.2	-62.3	-60.8	-59.7	-58.7	-57.8	-57.0	-56.3
60	50.6	49.3	48.3	47.6	47.0	46.5	46.0	45.7	45.3
	-67.8	-65.1	-63.2	-61.7	-60.5	-59.5	-58.6	-57.9	-57.2

ULTIMATE WIND SPEED (mph) = **170**

EXPOSURE CATEGORY = **C**

Tables are valid for the following conditions only:

1. Wind Speed, (V_{ult}, 3-second gust) = 170 mph
2. Risk Category: II (General Residential and Commercial Construction).
3. Exposure Category C
4. Topographic Factor (Kzt): 1.0 (Flat Terrain)
5. Directionality Factor (Kd): 0.85
6. For situations requiring Kd=1.0, multiply the values in these tables by 1.18. Verify Kd requirements with local building official and product approvals before use.
7. Enclosed Building: Gcpi = 0.18

Consult an Engineer for any other conditions

Instructions

1. Tables show the "worst case" design pressures, with any unknown variable at its critical condition.
2. Tables are valid for any roof slope. For reductions for roof slopes less than 10 degrees, consult Engineer for site specific analysis.
3. Calculate the average roof height. If average cannot be determined, use the peak roof height. Round up the roof height to the next highest table value.
4. Calculate the tributary area (length x height) of the opening in question. Round the tributary area down to the next smallest table value. If the tributary area is unknown, use the most critical value (10 square feet).
5. Area between structural mullions shall be used as tributary area.
6. Determine the Zone (Interior 4, or Exterior 5) of the opening. An opening with any portion closer than distance "a" to a building corner shall be considered in an Exterior Zone (5), otherwise if all of the opening falls more than distance "a" from a building corner, the opening shall be considered in an Interior Zone (4).
7. Distance "a," as refered to above, shall be calculated as the smaller of 10% of the minimum building width or 40% of the height, but not less than 3 feet.
8. Read the worst case positive and negative design pressures for use as required by governing building department.

General Notes

1. These tables list allowable pressures (W_{asd}), given as $0.6*W_{ult}$, where W_{ult} is the wind pressure calculated in accordance with Chapters 26 and 30 of ASCE 7-10 using the ultimate design wind speed (Vult) and the variables given herein.
2. These tables are not valid as a site-specific drawing
3. No alterations or markings on this document are permitted
4. These tables apply to walls and vertical surfaces only.
5. Use of these tables, and the values and coefficients listed herein is to be dictated and verified by the governing building department and permit holder.
6. These tables are intended solely to illustrate design wind pressures as listed. No other warranty or certification is intended or applicable.
7. This document is the work and property of Emma T. Mellinger, P.E., and shall not be reproduced in whole or in part without her express written consent.

Emma T. Mellinger, P.E.
Fl. P.E. # 50049

Date: July 13, 2012

Not Valid without Signature and Raised Embossed Seal

MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
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/pera/

PGT Industries
1070 Technology Drive,
Nokomis, 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 PERA -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. PERA 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-770" Aluminum Sliding Glass Doors w / wo Reinforcements

APPROVAL DOCUMENT: Drawing No.**PGT0002 Rev C**, titled "Series 770 Alum SGD-LMI", sheets 1 through 23 of 23, prepared by manufacturer, dated 08/05/07 and last revised on 10/11/11, signed and sealed by Lynn 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 1, 2 & 3, sheets 7, 8 & 9 of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements, glass types, sill riser and anchors requirements.
2. Egress operable doors must comply with min clear width per FBC, as applicable.
3. All laminated glazing options are with interior HS glass, see glazing options, sheet 1, 5 & 6.

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", unless otherwise noted herein.

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

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

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

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

This NOA **revises NOA # 09-0826.10** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

11/22/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections (transferred from file # 09-0826.10).
2. Drawing No.PGT0002 Rev C, titled "Series 770 Alum SGD-LMI", sheets 1 through 23 of 23, prepared by manufacturer, dated 08/05/07 and last revised on 10/11/11, signed and sealed by Lynn Miller, P.E.

B. TESTS (transferred from file # 09-0826.10)

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 aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No FTL-5980, FTL-5993, FTL-6036, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 and FTL-6036 dated 08/10/09, all signed and sealed by Julio Gonzales, P.E.

Note: The test reports No. FTL 5980, FTL 6001 and FTL 6015 have been revised and reissued on 12/29/09, signed and sealed by Julio Gonzales, P.E.

C. CALCULATIONS
1. Statement letter dated OCT 11, 2011 of compliance to FBC 2007 & FBC 2010, prepared by PGT, signed & sealed by Lynn Miller, P.E.
2. Statement letter dated 10/07/11, Successor Engineer adopting the another engineer's work per FAR 61G15-27-001, signed & sealed by Lynn Miller, P.E.
3. Anchor verification and comparative analysis dated 08-19-09, 12/03/09, 01/06/10 and last revised on 01/08/10, prepared by PTC, LLC, Robert J. Amoruso, P.E. (transferred from file # 09-0826.10)
4. Glazing complies with ASTME-1300-02 &-04

D. QUALITY ASSURANCE
1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 07-1116.04 issued to E.I. DuPont De Nemours & CO., Inc. for "DuPont SentryGlas ® Plus", expiring on 01/14/2012.
2. Notice of Acceptance No. 11-0624.01 issued to "E.I. DuPont Denemours" for "DuPont Butacite ® PVB", expiring on 12/11/16.

F. STATEMENTS
1. Statement letter dated OCT 11, 2011 of compliance to FBC 2007 & FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E.
1. Statement letter of conformance to FBC 2007 and no financial interest, dated 08-19-09, signed by Robert J. Amoruso, P.E. (transferred from file # 09-0826.10)
2. Letter of lab compliance, part of the above test reports.

G. OTHER
1. This NOA revises # 09-0826.10, expiring February 17, 2015.
2. Test proposals No(s) 09-0177, 0177-A, B & C approved by BCCO.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-1018.14
Expiration Date: February 17, 2015
Approval Date: December 01, 2011

GENERAL NOTES: SERIES 770 LMI SLIDING GLASS DOOR

1. GLAZING TYPE OPTIONS: (GLASS RECIPES ARE FROM EXTERIOR TO INTERIOR)
   GLASS STRENGTHS - T = TEMPERED HS = HEAT STRENGTHED
   INTERLAYER TYPES - SGP = .090 DUPONT SENTRY GLAS PLUS DBPVB = .090 DUPONT BUTACITE PVB
   G3 - 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
   G4 - 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
   G3A - 9/16" LAMINATED: (2) LITES OF 1/4" HS GLASS WITH AN .090 DBPVB INTERLAYER.
   G4A - 9/16" LAMINATED: (2) LITES OF 1/4" HS GLASS WITH AN .090 SGP INTERLAYER.
   G5 - 1" LAMINATED I.G. 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
   G6 - 1" LAMINATED I.G. 3/16" T EXT. CAP + 3/8" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
   G5A - 1" LAMINATED I.G. 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 DBPVB INTERLAYER.
   G6A - 1" LAMINATED I.G. 1/4" T EXT. CAP + 5/16" AIR SPACE + 7/16" LAMINATED: (2) LITES OF 3/16" HS GLASS WITH AN .090 SGP INTERLAYER.
2. 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.
3. 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 7 THROUGH 15.
4. SHUTTERS ARE NOT REQUIRED.
5. INSTALLATION SCREWS, FRAME AND PANEL CORNERS TO BE SEALED WITH NARROW JOINT SEALANT.
6. REFERENCES:
   TEST REPORTS FTL-5980, FTL-5993, FTL-6001, FTL-6014, FTL-6015, FTL-6017, FTL-6022, FTL-6023, FTL-6024, FTL-6025, FTL-6028, FTL-6031, FTL-6033 AND FTL-6036, DATED 8/7/09.
   ELCO TEXTRON NOA: 07-0425.01, 03-0225.05, ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL
7. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
8. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER FLORIDA BUILDING CODE, AS APPLICABLE.
9. CONFIGURATIONS! SEE DP TABLES (SHEETS 7-9) AND CONFIGURATION ILLUSTRATIONS (SHEETS 2-4).
   A. D.L.O. WIDTH = PANEL WIDTH - 7" B. D.L.O. HEIGHT = PANEL HEIGHT - 8.25"

DESIGN PRESSURE CHART
SEE TABLES 1, 2 & 3 ON SHEETS 7, 8 & 9

NOA DRAWING MAP

	SHEET
GENERAL NOTES	1
QUALIFIED CONFIG	2-4
GLAZING DETAILS	5-6
ANCHORAGE	7-15
DESIGN PRESSURES	7-9
ELEVATIONS	15-16
CONFIGURATIONS	17
VERT. SECTIONS	18
HORIZ. SECTIONS	19-20
PARTS LIST	21
EXTRUSIONS	22-23

NOTES PERTAINING TO ANCHORAGE DETAILS ON SHTS. 13-15:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" OR 5/16" ULTRACON (FORMERLY TAPCON)CONCRETE SCREWS OR 1/4" ELCO SS4 CRETE-FLEX. SEE TABLE ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
2. FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5). 1/4" ELCO SS4 CRETE-FLEX MAY BE USED INSTEAD OF #12 SCREWS (PAN HEAD).
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. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. FOR ATTACHMENT TO ALUMINUM: THE ALUMINUM 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 DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS USING 2x WOOD BUCKS. THE ANCHORS SHALL BE #12 SHEET METAL SCREWS WITH FULL THREAD ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE FULL DESIGN PRESSURES USING ANCHORAGE REQUIREMENTS SHOWN IN TABLES 1-3, SHTS. 7-9, FOR ANCHOR TYPE 4 ARE ACCEPTABLE.
5. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL 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.

PRODUCT REVISED
to complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/2015
By: Ishaq Chaudhry
Product Control

Concrete Screw Anchorage Minimum Embedment and Minimum Edge Distance Requirements

		Head and Sill		Jambs			
		Concrete		Un-Grouted CMU		Grouted CMU	
Type	Dia.	Min. Emb.	Min. Ed	Min. Emb.	Min. Ed	Min. Emb.	Min. Ed
Elco Ultracon	1/4"	1 3/8	2 1/2	1 1/4	2 1/2	1 3/4	2 1/2
	5/16"	1 3/4	1 1/4	1 1/4	1 9/16	1 3/4	2 1/2
Elco Crete-Flex SS4	1/4"	1 3/4	2 1/2	1 1/4	2 1/2	Not Recommended	

		P-Hook (Anchor Tension)				P-Hook Mounting Adapter (Anchor Shear)			
		Concrete		Grouted CMU		Concrete		Grouted CMU	
Type	Dia.	Min. Emb.	Min. Ed	Min. Emb.	Min. Ed	Min. Emb.	Min. Ed	Min. Emb.	Min. Ed
Elco Ultracon	1/4"	1 3/4	2 1/2	1 3/4	2 1/2	1 3/4	2 1/2	1 3/4	1 1/4
Elco Crete-Flex SS4	1/4"	1 3/4	2 1/2	Not Recommended		1 3/4	2 1/2	Not Recommended	

Concrete Strength Requirements

Type	Dia.	fc'
Elco Ultracon	1/4"	2700 psi
	5/16"	3500 psi
Elco Crete-Flex SS4	1/4"	3350 psi

Masonry Strength Requirements

Ungrouted CMU	ASTM C-90
Grouted CMU	ASTM C-90 with grout conforming to Sections 2105.2.2.1.2 and R609 of the FBC.

Definitions:

Emb. = Embedment
Ed = Edge Distance
Min. = Minimum

CONCRETE SCREWS STRENGTHS:
Fy MIN. = 135 KSI
Fu MIN. = 177 KSI

Wood Screws (Head, Sill & Jambs) in.

Type	Min. Emb.	Min. Ed
#12 Wood Screw	1 3/8"	1"
Elco Crete-Flex SS4	1 3/8"	1"

UNLESS OTHERWISE NOTED

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	FBC 2010 CODE CHANGE
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/07	Checked By:	Date:

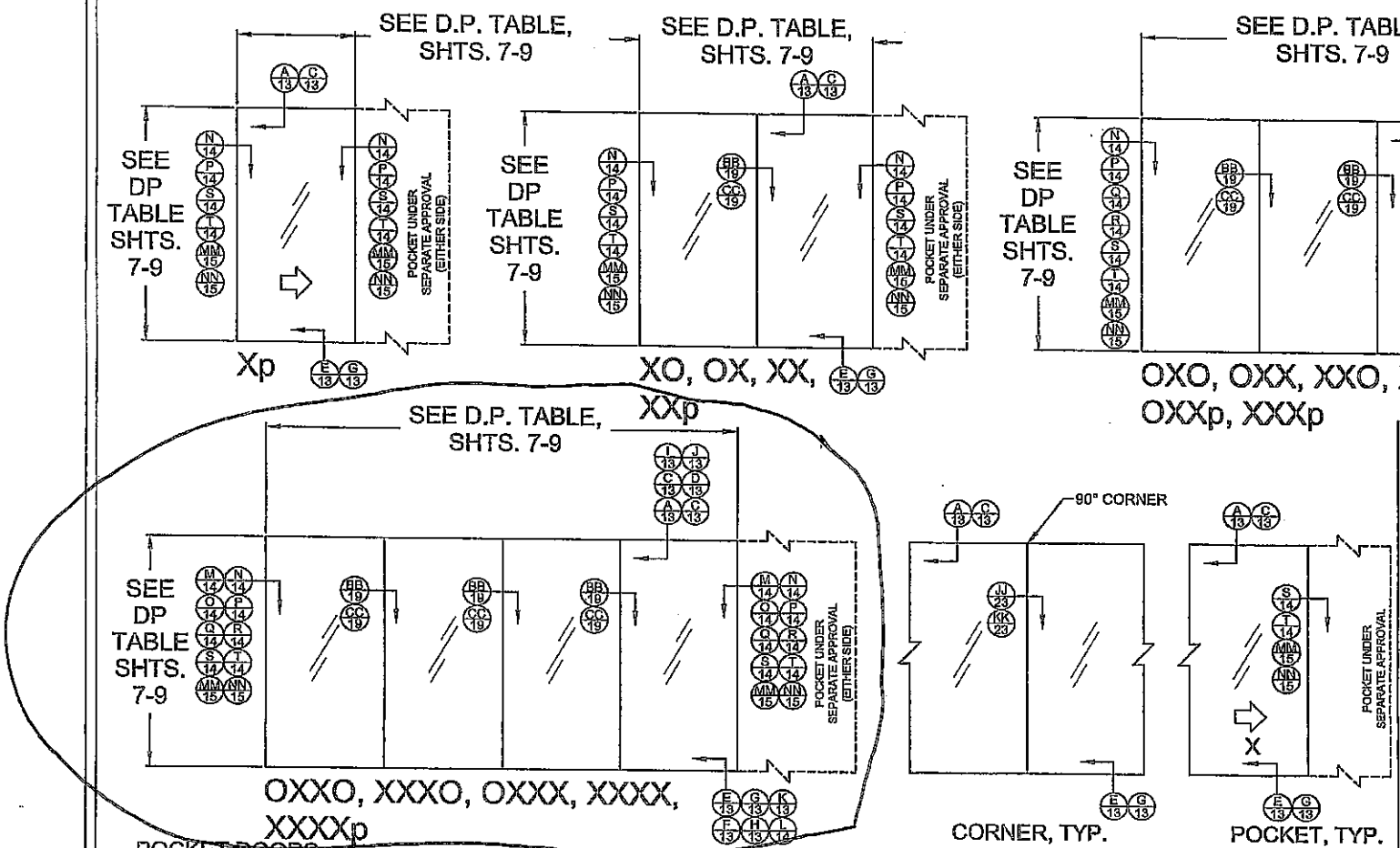
1075 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

PGT

Description: GENERAL NOTES AND MAP
Title: SERIES 770 ALUMINUM SGD - LMI
Series/Model: SGD770 | Scale: NTS | Sheet: 1 of 23 | Drawing No.: PGT0002 | Rev: C

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

APPROVED CONFIGURATIONS:



POCKET DOORS:

ALL CONFIGURATIONS SHOWN ALSO AVAILABLE AS POCKET DOORS AT EITHER JAMB LOCATION USING DETAIL "S" OR "T" INSTALLATION. EXAMPLE:

XXXX IN POCKET CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp. POCKET DOOR REQUIRES OPERABLE PANEL.

X SIGNIFIES OPERABLE PANEL, O SIGNIFIES INOPERABLE PANEL.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/15
By Ishaq T. Chand
Miami Dade Product Control

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

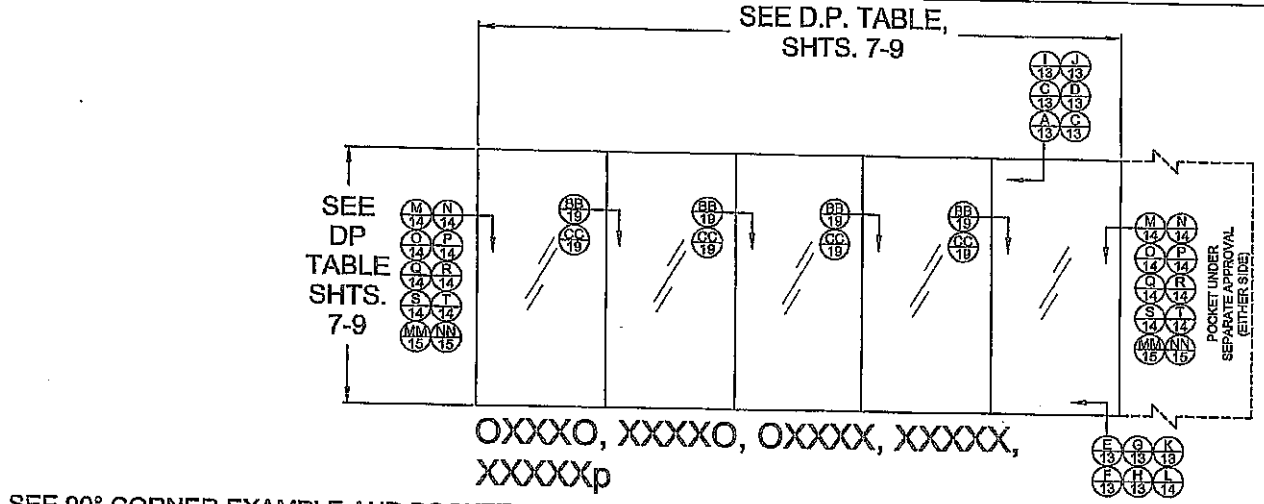
Revsd By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

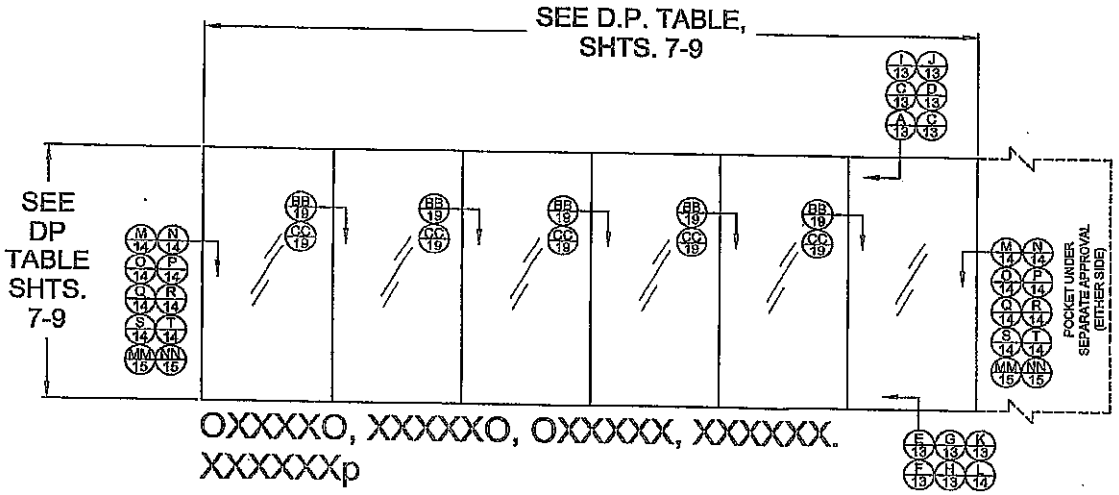
PGT

Description: QUALIFIED CONFIGURATIONS
Title: SERIES 770 ALUM. SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	2 of 23	PGT0002	C



SEE 90° CORNER EXAMPLE AND POCKET DOOR NOTE ON SHEET 2



APPROVED CONFIGURATIONS

PRODUCT REVISED to complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date: 2/17/15
By: Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
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Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

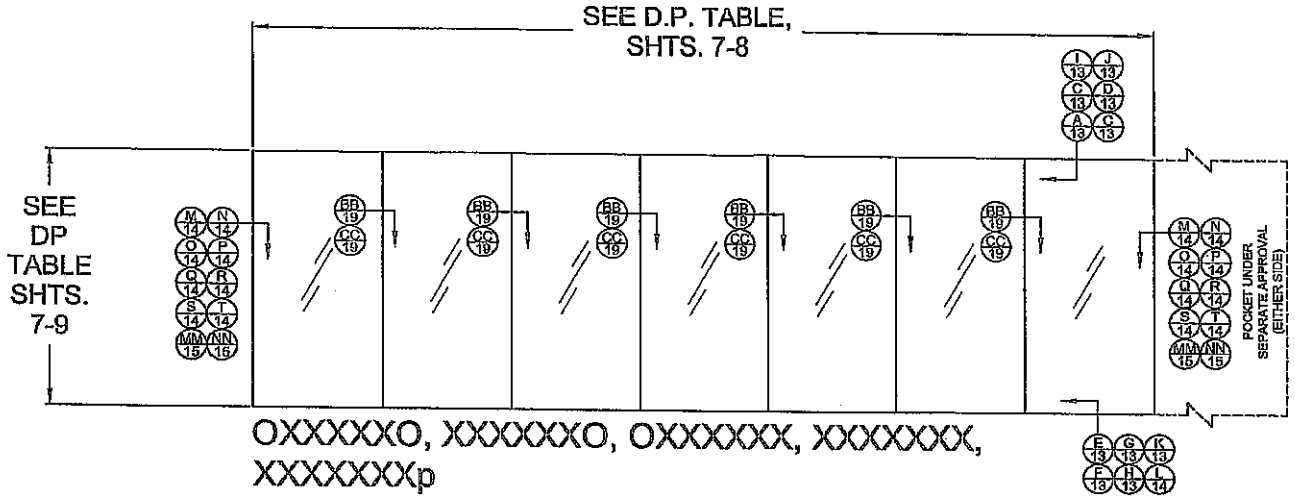
PGT

Description: QUALIFIED CONFIGURATIONS
Title: SERIES 770 ALUM. SGD - LMI

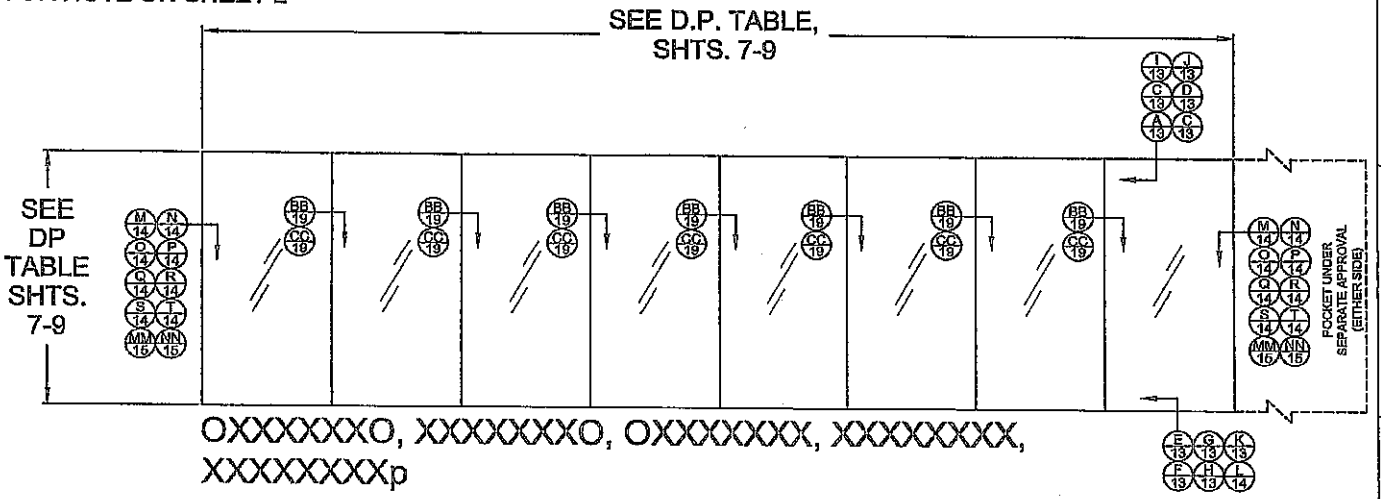
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	3 of 23	PGT0002	C

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

APPROVED CONFIGURATIONS:



SEE 90° CORNER EXAMPLE AND POCKET DOOR NOTE ON SHEET 2



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/15
By [signature]
Miami Dade Product Control

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

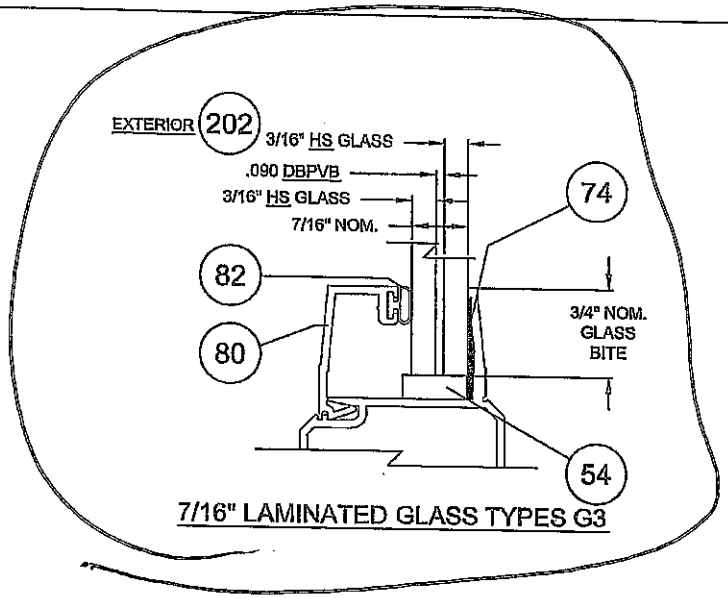
Revsd By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

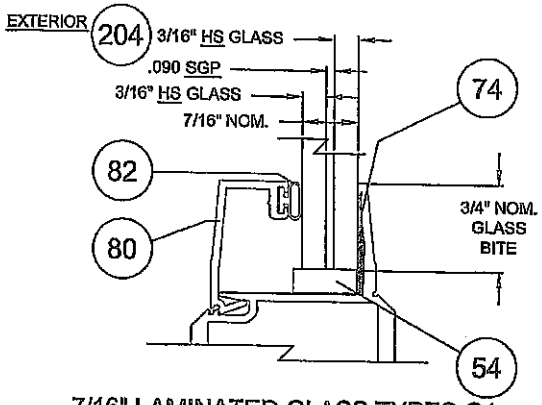
PGT®

Description: QUALIFIED CONFIGURATIONS
Title: SERIES 770 ALUM. SGD - LMI

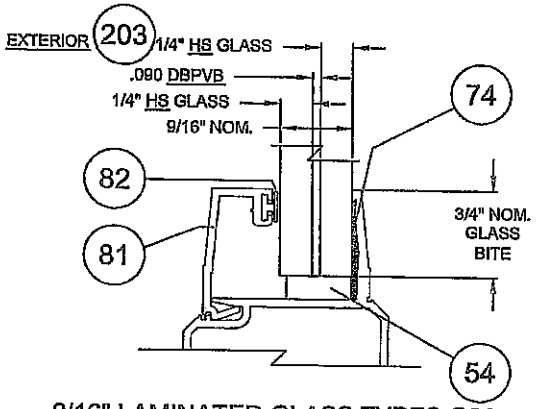
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	4 of 23	PGT0002	C



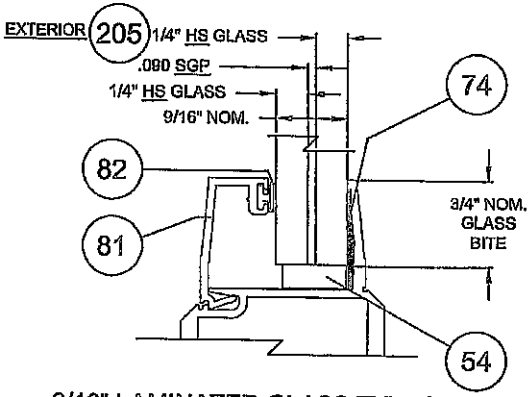
7/16" LAMINATED GLASS TYPES G3



7/16" LAMINATED GLASS TYPES G4



9/16" LAMINATED GLASS TYPES G3A



9/16" LAMINATED GLASS TYPES G4A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/15
By Ishag I. Chanda
Miami Dade Product Control

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
Revised By: SMC	Date: 11/16/09	Revisions: A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1529
NOKOMIS, FL 34274

PGT

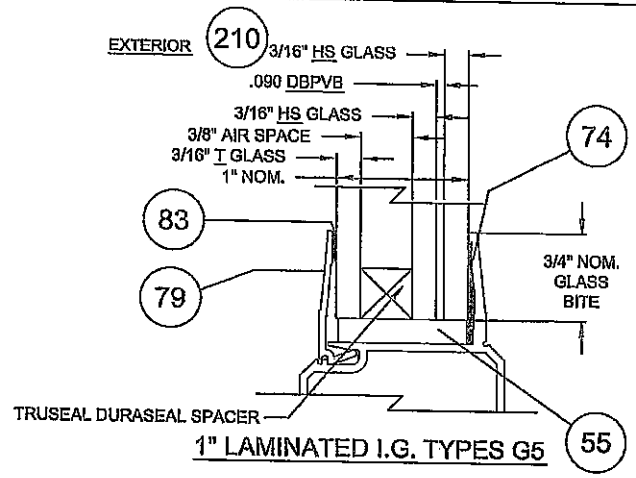
Description: GLAZING DETAILS

Title: SERIES 770 ALUMINUM SGD - LMI

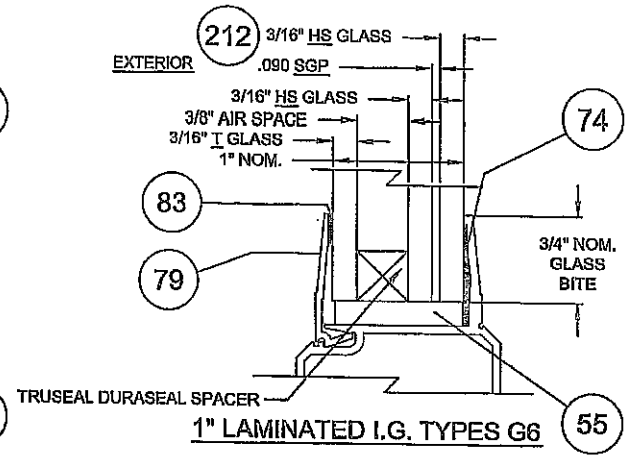
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	5 of 23	PGT0002	C

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/11/11
STATE OF FLORIDA
PROFESSIONAL ENGINEER

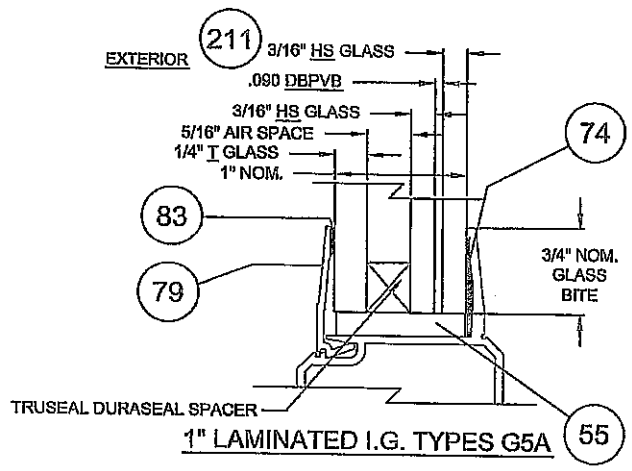
A. LYNN MILLER, P.E.
P.E.# 58705



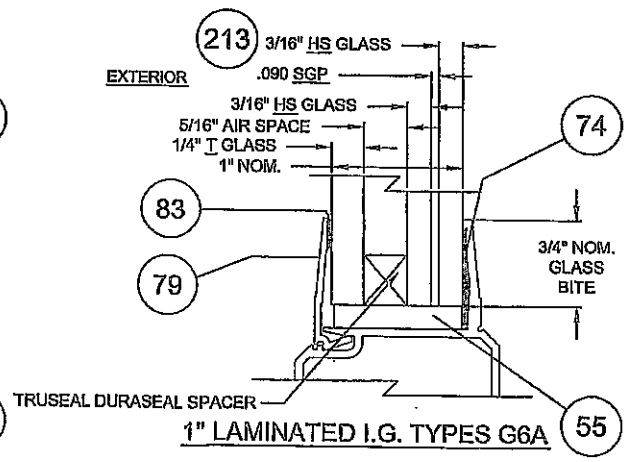
1" LAMINATED I.G. TYPES G5



1" LAMINATED I.G. TYPES G6



1" LAMINATED I.G. TYPES G5A



1" LAMINATED I.G. TYPES G6A

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/15
By Ishaq Lilhand
Miami Dade Product Control

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

Revsd By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Revsd By: SMC	Date: 11/16/09	Revisions: A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
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PGT

Description: GLAZING DETAILS
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	6 of 23	PGT0002	C

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - STANDARD STILE - STANDARD ASTRAGAL — TABLE 1.

> HEAD & SILL (H&S) INTERLOCK, STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S,
> JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY.

G3 - 7/16" LAMINATED GLASS - (3/16" H.S. / PVB / 3/16" H.S.)
G3A - 9/16" LAMINATED GLASS - (1/4" H.S. / PVB / 1/4" H.S.)
G5 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / PVB / 3/16" H.S.)
G5A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / PVB / 3/16" H.S.)

Anchor Types:
1) *1/4" ELCO ULTRACON (FORMERLY TAPCON
2) *1/4" SS4 CRETE-FLEX
3) *5/16" ULTRACON
4) *#12 STEEL SCREW (G5)
* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

NOM. PANEL WIDTH		FRAME SIDE	UNIT HEIGHT 80			84			90			96		
			1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD
GLASS TYPE - 3, 3A, 5, 5A			+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
24	Anchors	H&S	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	5
GLASS TYPE - 3, 3A, 5, 5A			+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
30	Anchors	H&S	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	5
GLASS TYPE - 3, 3A, 5, 5A			+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
36	Anchors	H&S	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	6
GLASS TYPE - 3, 3A, 5, 5A			+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
42	Anchors	H&S	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	5	5	5	6	6	6	6	6	6
GLASS TYPE - 3, 3A, 5, 5A			+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
48	Anchors	H&S	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2	C4+1	C4+1	C4+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	6	6	6	6	6	6	7	7	7

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 3 1/4 SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 4" SILL POSITIVE WATER DP IS 60.0 PSF MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
3. 4", 3 1/4" AND 2 1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. SEE SHEETS 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

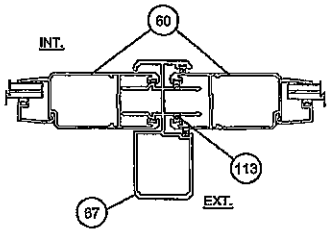
( ) = EXAMPLE ON SHEET 10

TABLE 1A.
SILL HT. VS POS. DP

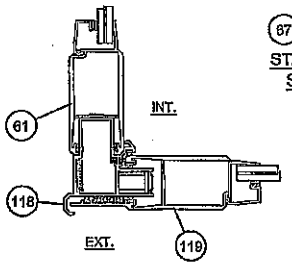
SILL RISE HEIGHT	(+) DESIGN LOAD
FLUSH 1-1/2"	N/A
LOW 2-1/2"	+ 46.67 PSF
MED 3-1/4"	+ 60.0 PSF
HIGH 4"	+ 60.0 PSF

SEE NOTES 1-3

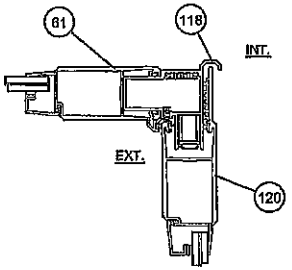
DLO WIDTH = NOM. PANEL WIDTH - 7" DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"



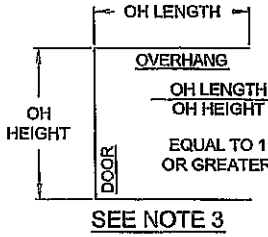
STANDARD ASTRAGAL
STANDARD STILES



90° OUTSIDE CORNER



90° INSIDE CORNER



SEE NOTE 3

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date: 2.17.15

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

Revised By:	Date:	Revision:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

PGT

Description: DP AND ANCHORAGE
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	7 of 23	PGT0002	C

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - HEAVY DUTY STILE - STANDARD ASTRAGAL

TABLE 2

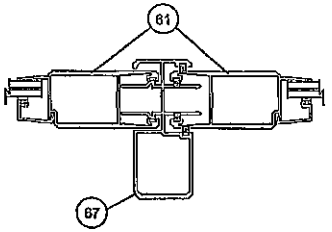
> HEAD & SILL (H&S) INTERLOCK & STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S.
> JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY.

G4 - 7/16" LAMINATED GLASS - (3/16" H.S. / SGP / 3/16" H.S.)
G4A - 9/16" LAMINATED GLASS - (1/4" H.S. / SGP / 1/4" H.S.)
G6 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)
G6A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)

Anchor Types:
1) *1/4" ELCO ULTRACON (FORMERLY TAPCON
2) *1/4" SS4 CRETE-FLEX
3) *5/16" ULTRACON
4) *#12 STEEL SCREW (G5)
* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

NOM. PANEL WIDTH	FRAME SIDE		UNIT HEIGHT 80			84			90			96			102			108			114			120		
			1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD	1,2 - CONC	3 - CONC	2,4 - WOOD
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
24	Anchors	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C5+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
30	Anchors	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		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	Anchors	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
		P-HOOK	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		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	Anchors	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
		P-HOOK	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		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	Anchors	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12
		P-HOOK	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8	8	9	9	9
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0													
54	Anchors	H&S	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2	C4+2	C4+2	C6+2												
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10												
		P-HOOK	6	6	6	6	6	6	6	6	7	7	7	7												
GLASS TYPE - 4, 4A, 6, 6A			60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0													
60	Anchors	H&S	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2												
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10												
		P-HOOK	6	6	6	6	6	6	7	7	7	7	7	8												

PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH



STANDARD ASTRAGAL HEAVY DUTY STILES

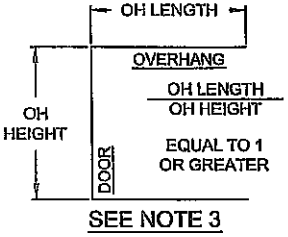
SEE SHEET 7 OR 9 FOR 90° INSIDE & OUTSIDE CORNER DEPICTION

DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 3 1/4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. WHEN USING THE 4" SILL POSITIVE DP IS 60.0 MAX.
   (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 2A.
3. 2 1/2", 3 1/4" AND 4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY
   BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED
   WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM);
   THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. SEE SHEETS 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

( ) = EXAMPLE ON SHEET 10

TABLE 2A	
SILL HT. VS POS. DP	
SILL RISE HEIGHT	(+) DESIGN LOAD
FLUSH - 1-1/2"	N/A
LOW - 2-1/2"	+46.67 PSF
MED - 3-1/4"	+60.0 PSF
HIGH - 4"	+60.0 PSF
SEE NOTES 1-3	



OH LENGTH / OH HEIGHT EQUAL TO 1 OR GREATER

SEE NOTE 3

PRODUCT REVIEWED
In accordance with the Florida Building Code
Approval No. 11-1018.14
Expiration Date: 2/17/2015
By: Ishaq I. Chanda
Product Control Examiner

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

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/06/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

PGT

Description:					
DP AND ANCHORAGE					
Title: SERIES 770 ALUMINUM SGD - LMI					
Series/Model: SGD770	Scale: NTS	Sheet: 8 of 23	Drawing No.: PGT0002	Rev: C	

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - HEAVY DUTY STILE - HEAVY DUTY ASTRAGAL

TABLE 3.

> HEAD & SILL (H&S) INTERLOCK, STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE ANCHOR QTY. PER PANEL H & S,
> JAMB ANCHOR QTY. >P-HOOK ANCHOR QTY.

G4 - 7/16" LAMINATED GLASS - (3/16" H.S. / SGP / 3/16" H.S.)
G4A - 9/16" LAMINATED GLASS - (1/4" H.S. / SGP / 1/4" H.S.)
G6 - 7/16" LAMINATED I.G.U. - (3/16" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)
G6A - 7/16" LAMINATED I.G.U. - (1/4" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)

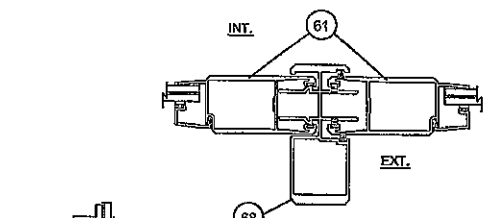
Anchor Types:
1) *1/4" ELCO ULTRACON (FORMERLY TAPCON)
2) *1/4" SS4 CRETE-FLEX
3) *5/16" ULTRACON
4) *#12 STEEL SCREW (G5)

* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1.

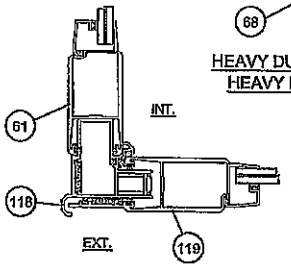
NOM. PANEL WIDTH		FRAME SIDE	UNIT HEIGHT 80			84			90			96		
			1, 2 - CONC	3 - CONC	2, 4 - WOOD	1, 2 - CONC	3 - CONC	2, 4 - WOOD	1, 2 - CONC	3 - CONC	2, 4 - WOOD	1, 2 - CONC	3 - CONC	2, 4 - WOOD
GLASS TYPE - 4, 4A, 6, 6A			90.0	-90.0		90.0	-90.0		90.0	-90.0		90.0	-90.0	
24	Anchors	H&S	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	5	5	5	5	5	5	5	5	6	6	6	6
GLASS TYPE - 4, 4A, 6, 6A			90.0	-90.0		90.0	-90.0		90.0	-90.0		90.0	-90.0	
30	Anchors	H&S	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	6	6	6	6	6	6	6	6	7	7	7	7
GLASS TYPE - 4, 4A, 6, 6A			90.0	-90.0		90.0	-90.0		90.0	-90.0		90.0	-90.0	
36	Anchors	H&S	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	6	6	7	7	7	7	7	7	8	8	8	8
GLASS TYPE - 4, 4A, 6, 6A			90.0	-90.0		90.0	-90.0		90.0	-90.0		90.0	-90.0	
42	Anchors	H&S	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	7	7	7	7	7	8	8	8	8	9	9	9
GLASS TYPE - 4, 4A, 6, 6A			90.0	-90.0		90.0	-90.0		90.0	-90.0		90.0	-90.0	
48	Anchors	H&S	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2	C6+2
		JAMB	10	10	10	10	10	10	10	10	10	10	10	10
		P-HOOK	8	8	8	8	8	8	9	9	9	10	10	10

1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. AND WITH THE 3 1/4" SILL, POSITIVE PRESSURES IS 60.0 PSF MAX.
   (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
3. 2 1/2", 3 1/4", AND 4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1 1/2" SILL IS NOT AND MUST ONLY
   BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED
   WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM);
   THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
4. SEE SHEETS 10 THROUGH 15 FOR ANCHORAGE SPACING AND EMBEDMENT INFORMATION.
5. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

TABLE 3A. SILL HT. VS POS. DP	
SILL RISE HEIGHT	(+) DESIGN LOAD
FLUSH - 1-1/2"	N/A
LOW - 2-1/2"	+ 46.67 PSF
MED - 3-1/4"	+ 60.0 PSF
HIGH - 4"	+ 90.0 PSF
SEE NOTES 1-3	

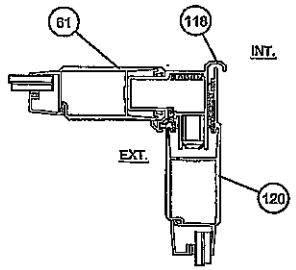


HEAVY DUTY ASTRAGAL
HEAVY DUTY STILES

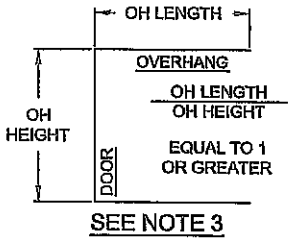


90° OUTSIDE CORNER

DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"



90° INSIDE CORNER



SEE NOTE 3

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/2015
By Glenn L. Chandler
Miami-Dade Product Control

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/18/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

PGT

Description: DP AND ANCHORAGE
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model	Scale	Sheet	Drawing No.	Rev.
SGD770	NTS	9 of 23	PGT0002	C

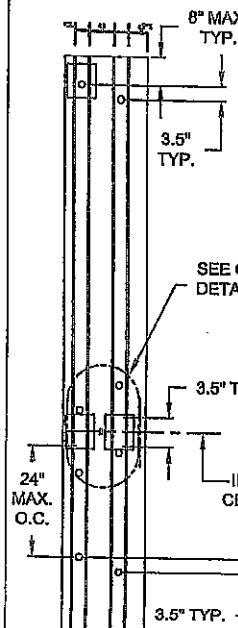
ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

ANCHORAGE REQUIREMENTS NOTES:

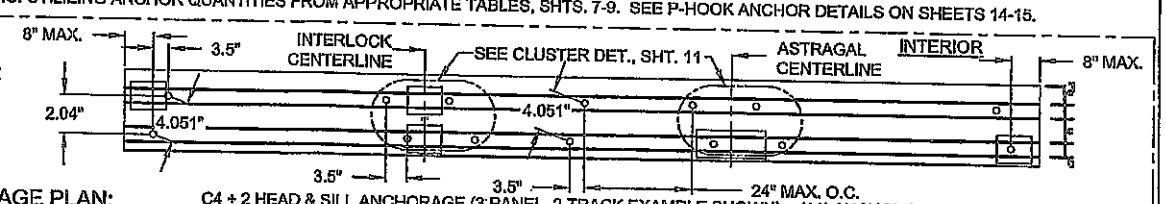
1. APPROVED ANCHOR TYPES: 1) 1/4" ELCO ULTRACON (FORMERLY TAPCON) 2) 1/4" ELCO SS4 CRETE-FLEX 3) 5/16" ULTRACON 4) #12 STEEL SCREW (G5)
2. ANCHOR LOCATION SPACING FOR ANCHOR QUANTITIES SPECIFIED IN TABLES 1-3, SHTS. 7-9:

HEAD & SILL..... 8" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM APPROPRIATE TABLES, SHTS. 7-9 AT EACH INTERLOCK AND STRAIGHT AND CORNER ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL INTERMEDIATE ANCHORS PER PANEL (THE 8" FROM CORNER ANCHORS CAN BE INCLUDED). ADDITIONAL ANCHORS 24" MAX. O.C. SEE EXAMPLE ANCHORAGE PLANS BELOW AND EXAMPLE CLUSTERS AT ASTRAGAL, INTERLOCK & 90° CORNER ON SHT. 11-12.

JAMBS & P-HOOKS... 6" MAX. FROM BOTTOM AND 21" MAX. O.C. UTILIZING ANCHOR QUANTITIES FROM APPROPRIATE TABLES, SHTS. 7-9. SEE P-HOOK ANCHOR DETAILS ON SHEETS 14-15.



"ANCHORS PER PANEL" ARE THOSE AT THE HEAD AND SILL BETWEEN CLUSTERS OR THOSE BETWEEN A CLUSTER AND A FRAME JAMB OR P-HOOK.

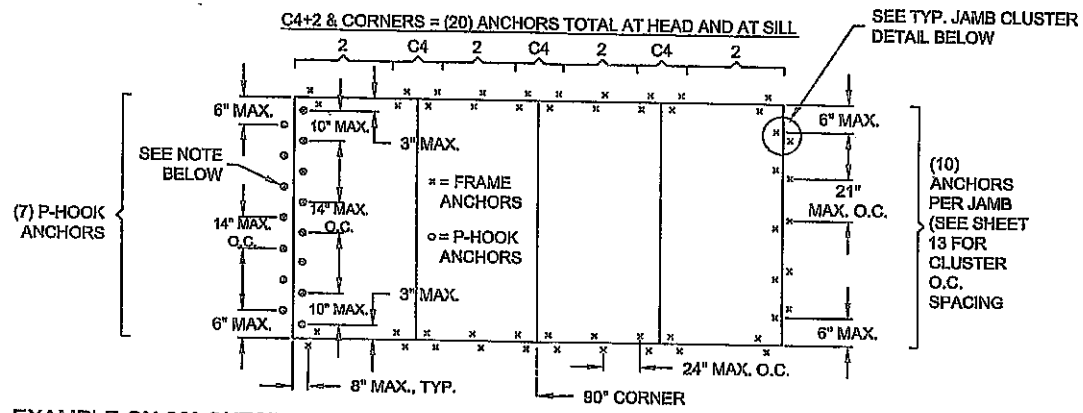


EXAMPLE OXX ANCHORAGE PLAN:

C4 + 2 HEAD & SILL ANCHORAGE (3 PANEL, 2-TRACK EXAMPLE SHOWN) = (14) ANCHORS TOTAL

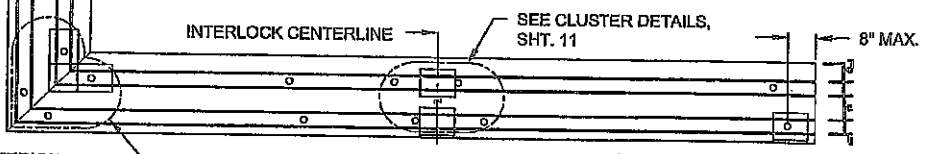
(3) PANEL, 48" x 96" DOOR FROM TABLE 1, SHT. 7, ANCHOR TYPES 2 & 4 IN WOOD SUBSTRATE

EXTERIOR



EXAMPLE OX-90° OUTSIDE CORNER-XO CORNER ANCHORAGE PLAN:

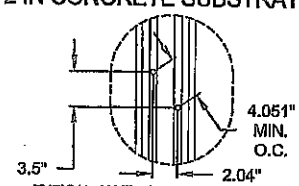
(4) PANEL, 60" x 96" DOOR FROM TABLE 2, SHT. 8, ANCHOR TYPE 1 & 2 IN CONCRETE SUBSTRATE



EXTERIOR

SEE CLUSTER DETAILS, SHT. 12

NOTE: SEE DETAILS S & T ON SHEET 14 & DETAILS MM & NN ON SHEET 15 FOR P-HOOK ANCHORS



TYPICAL JAMB CLUSTER FOR DETAILS M, N, O, P, Q & R

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Miami Dade Product Control

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J.J.	10/11/11	C	NO CHANGE THIS SHEET
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SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

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

PGT

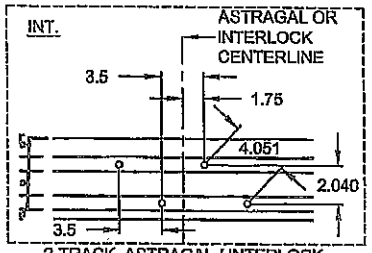
Description: ANCHORAGE SPACING & EXAMPLE PLANS

Title: SERIES 770 ALUMINUM SGD - LMI

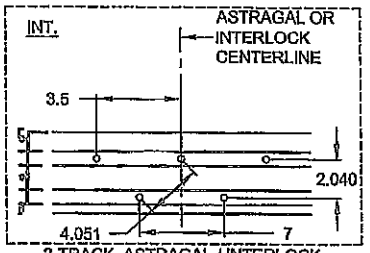
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	10 of 23	PGT0002	C

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/11/11
STATE OF FLORIDA
PROFESSIONAL ENGINEER

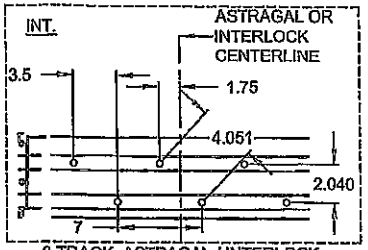
A. LYNN MILLER, P.E.
P.E.# 58705



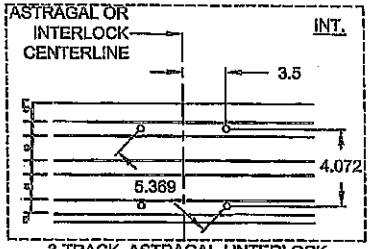
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



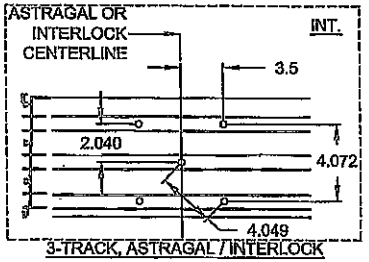
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



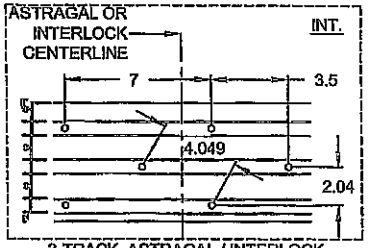
2-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6



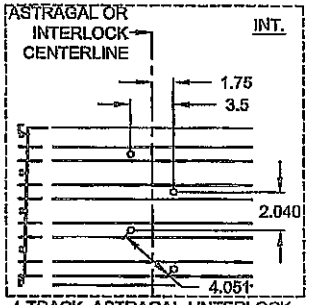
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



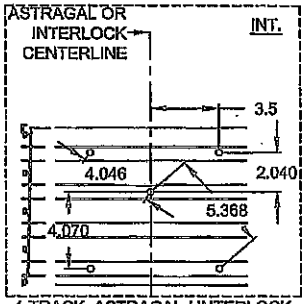
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



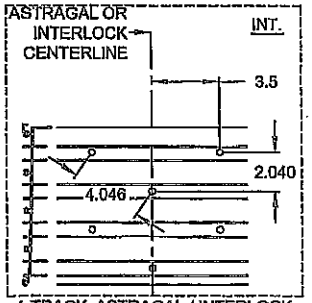
3-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6



4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C4



4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C5



4-TRACK, ASTRAGAL / INTERLOCK
ANCHOR CLUSTER - C6

NOTE:
ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED. ALL DIMENSIONS SHOWN ARE IN INCHES.

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Building Code Product Evaluator

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J.J.	10/11/11	C	NO CHANGE THIS SHEET
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Revised By: SMC	Date: 11/16/09	Revisions: A	PER MIAMI DADE COMMENTS
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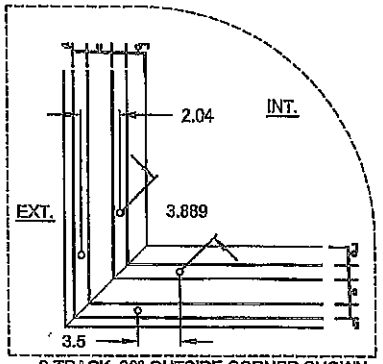
1079 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1628
NOKOMIS, FL 34274

PGT

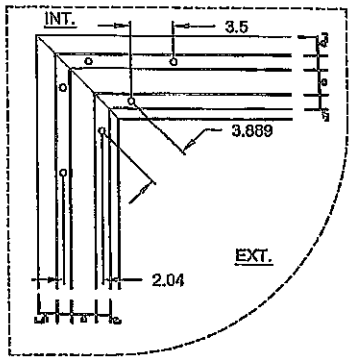
Description: ANCHORAGE, EXAMPLE CLUSTERS
Title: SERIES 770 ALUMINUM SGD - LMI

Subassembly:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	11 of 23	PGT0002	C

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

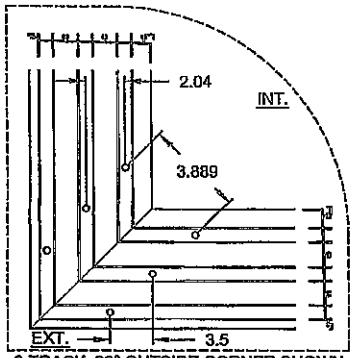


2-TRACK, 90° OUTSIDE CORNER SHOWN,
2-TRACK, 90° INSIDE CORNER SIMILAR (OPPOSITE)
ANCHOR CLUSTER - C4

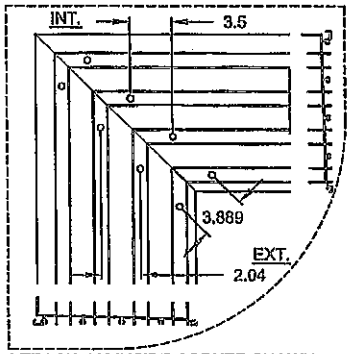


2-TRACK, 90° INSIDE CORNER SHOWN,
2-TRACK, 90° OUTSIDE CORNER SIMILAR (OPPOSITE)
ANCHOR CLUSTER - C6
USED FOR C5 AND C6

NOTE:
ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED. ALL DIMENSIONS SHOWN ARE IN INCHES.



3-TRACK, 90° OUTSIDE CORNER SHOWN,
3-TRACK, 90° INSIDE CORNER SIMILAR (OPPOSITE)
C-6 ANCHOR CLUSTER REQUIRED
AT ALL 3-TRACK CORNERS



4-TRACK, 90° INSIDE CORNER SHOWN,
4-TRACK, 90° OUTSIDE CORNER SIMILAR (OPPOSITE)
C-8 ANCHOR CLUSTER REQUIRED
AT ALL 4-TRACK CORNERS

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Miami Dade Product Control

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J.J.	10/11/11	C	NO CHANGE THIS SHEET
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1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

PGT®

Description: ANCHORAGE, EXAMPLE CLUSTERS
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	12 of 23	PGT0002	C

ANTHONY LYNN MILLER
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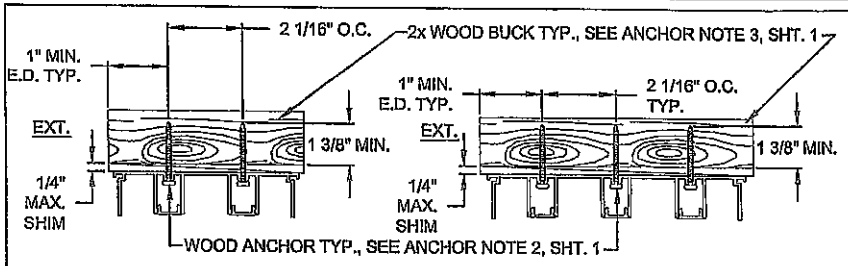
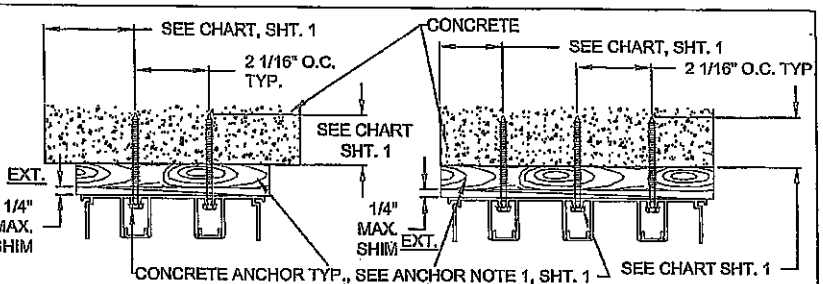
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



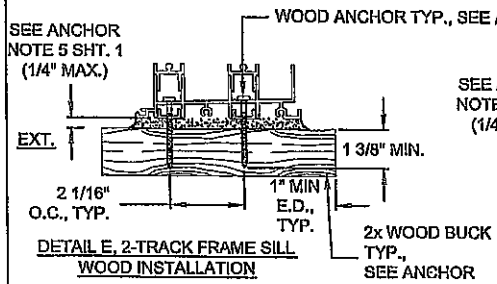
DETAIL A, 2-TRACK FRAME HEAD
WOOD INSTALLATION

DETAIL B, 3-TRACK FRAME HEAD
WOOD INSTALLATION

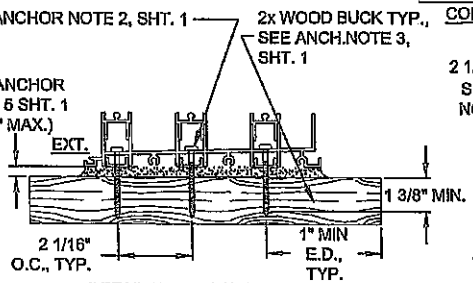


DETAIL C, 2-TRACK FRAME HEAD
CONCRETE INSTALLATION

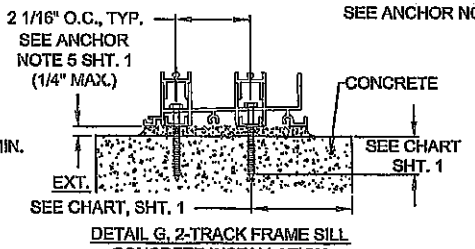
DETAIL D, 3-TRACK FRAME HEAD
CONCRETE INSTALLATION



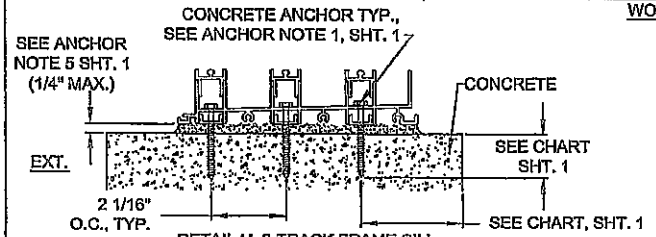
DETAIL E, 2-TRACK FRAME SILL
WOOD INSTALLATION



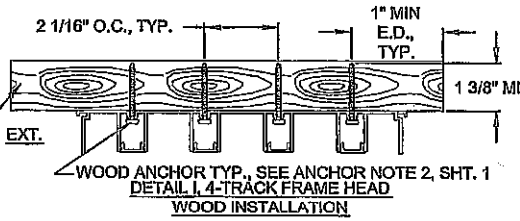
DETAIL F, 3-TRACK FRAME SILL
WOOD INSTALLATION



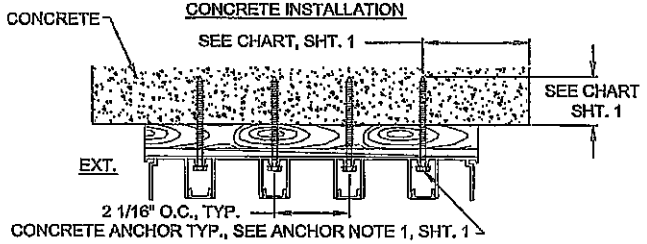
DETAIL G, 2-TRACK FRAME SILL
CONCRETE INSTALLATION



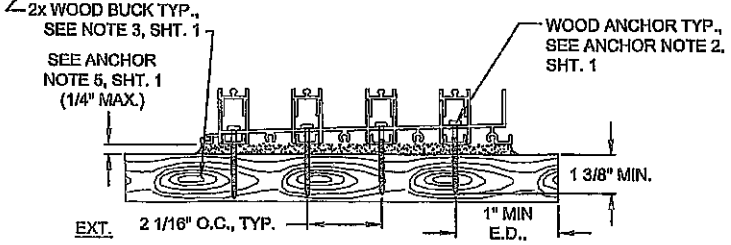
DETAIL H, 3-TRACK FRAME SILL
CONCRETE INSTALLATION



DETAIL I, 4-TRACK FRAME HEAD
WOOD INSTALLATION



DETAIL J, 4-TRACK FRAME HEAD
CONCRETE INSTALLATION



DETAIL K, 4-TRACK FRAME SILL
WOOD INSTALLATION

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Printed Name of Person Signing

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Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

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

Description:
ANCHORAGE DETAILS
Title:
SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	13 of 23	PGT0002	C

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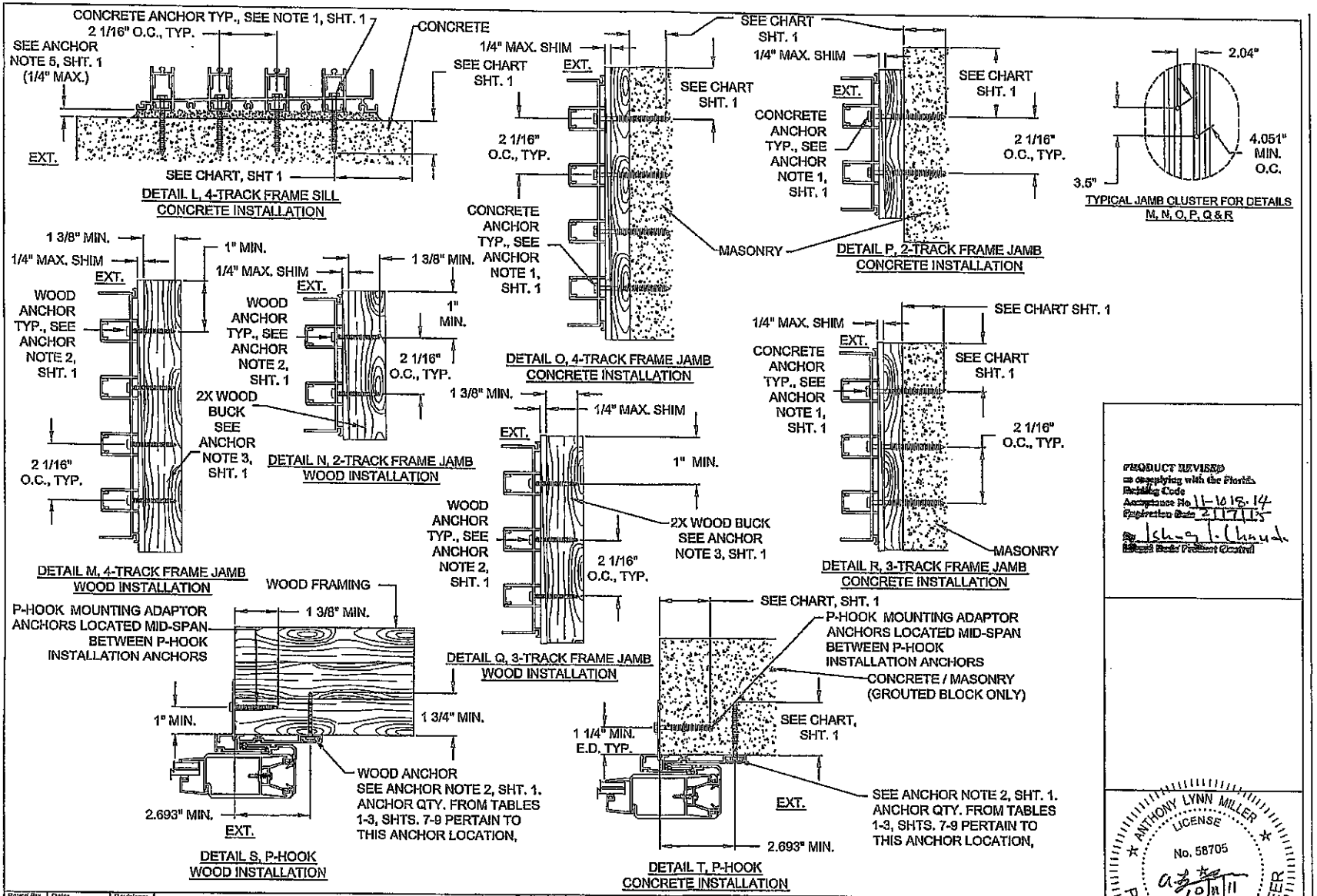
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/11/11
A. LYNN MILLER, P.E.
P.E.# 58705



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By Ishaq I. Chaudhary
Miami Dade Product Control

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

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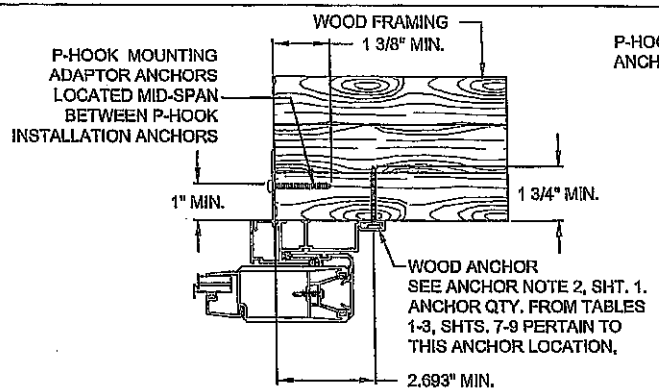
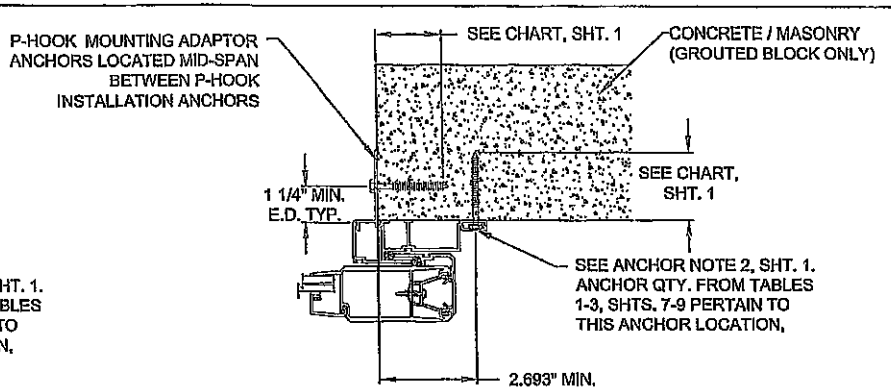
Description: ANCHORAGE DETAILS
Title: SERIES 770 ALUMINUM SGD - LMI

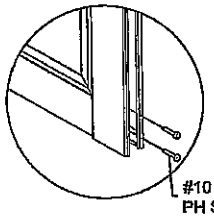
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	14 of 23	PGT0002	C



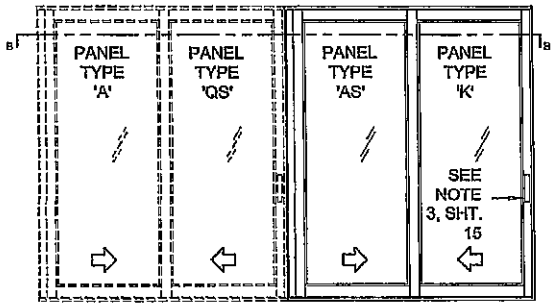
DETAIL MM, P-HOOK FOR BOX RISER WOOD INSTALLATION



DETAIL NN, P-HOOK FOR BOX RISER CONCRETE INSTALLATION

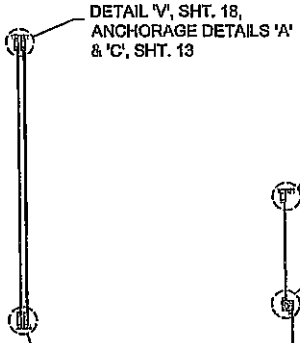


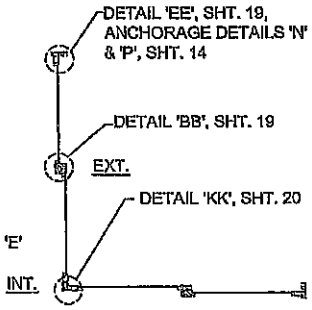
PANEL CORNER DETAIL



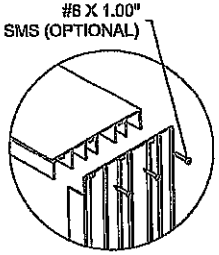
DLO WIDTH = NOM. PANEL WIDTH - 7"
DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"

XX-90° CORNER-XX (2 TRACK INSIDE 90° CORNER)
*SEE APPLICABLE ASTRAGAL & INTERLOCK PER DP TABLES





HORIZONTAL SECTION B-B



FRAME CORNER DETAIL

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Expiration Date 2.17.15
By Ishaq I. Chanda
Miami-Dade Product Control

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

Revsd By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
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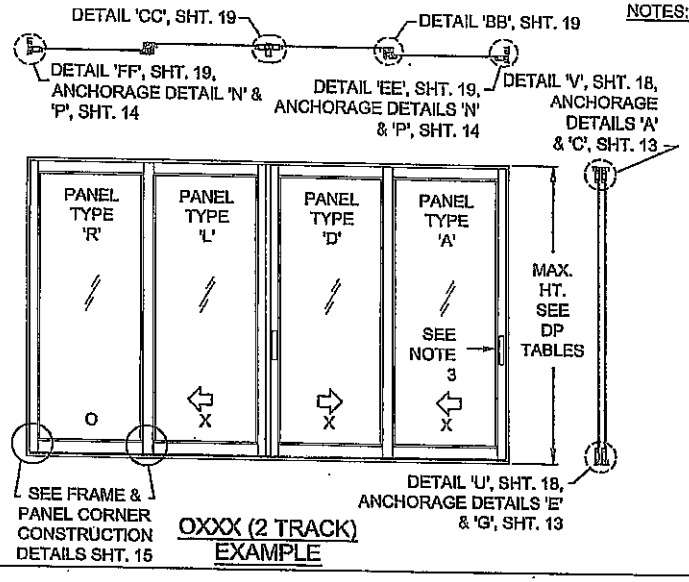
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

PGT

Description: ANCHORAGE DETAILS / EXAMPLE ELEVATION
Title: SERIES 770 ALUMINUM SGD - LMI

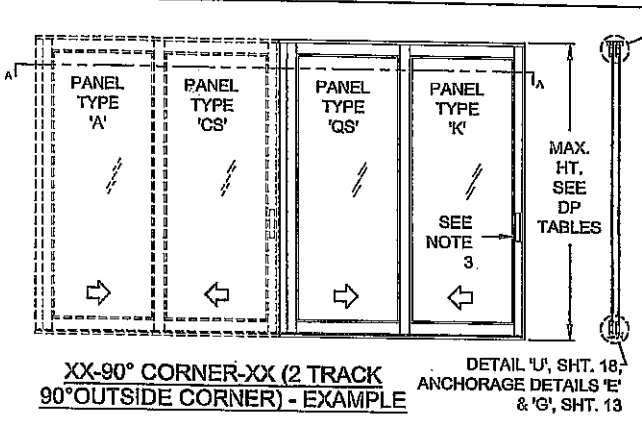
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	15 of 23	PGT0002	C



OXXX (2 TRACK) EXAMPLE

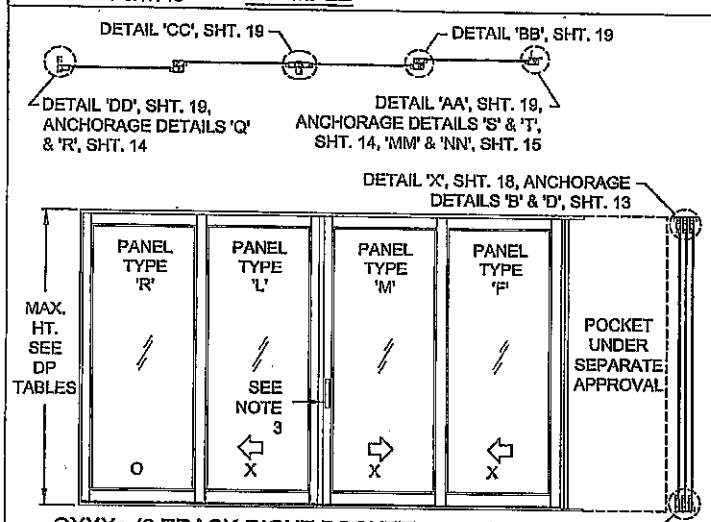
NOTES:

1. SEE SHT. 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. PLEASE SEE DP CHARTS FOR MAX PANEL HEIGHT AND WIDTH. PLEASE SEE SHTS. 18-20 FOR SECTION DETAILS AND SHTS. 7-15 FOR ANCHORAGE DETAILS.
2. DLO WIDTH = NOM. PANEL WIDTH - 7" DLO HEIGHT = NOM. PANEL HEIGHT - 8.25"
3. (1) LOCK (ITEMS 70 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
4. PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK COMBINATIONS PER DP TABLES.

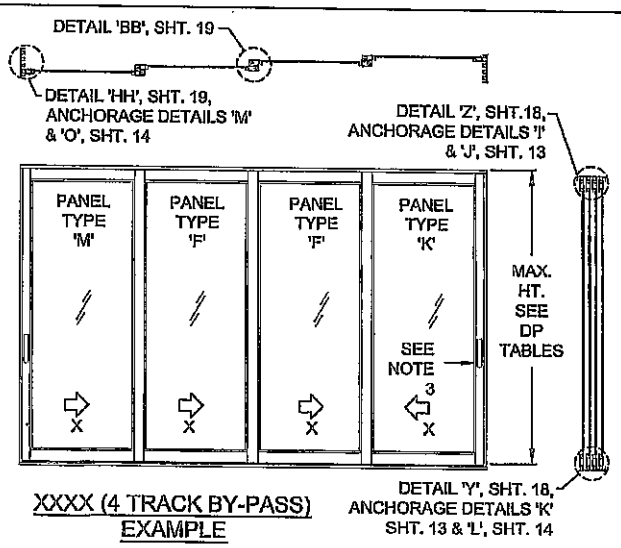


XX-90° CORNER-XX (2 TRACK 90°OUTSIDE CORNER) - EXAMPLE

HORIZONTAL SECTION A-A



OXXXp (3 TRACK RIGHT POCKET) EXAMPLE



XXXX (4 TRACK BY-PASS) EXAMPLE

PRODUCT REVISED to complying with the Florida Building Code Acceptance No. 11-1015.14 Expiration Date 2/17/15

By: Ishan T. Chawla
Notice Date: Product Control

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.
P.E.# 58705

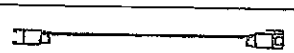
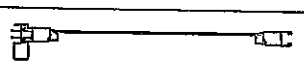
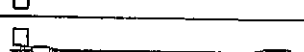
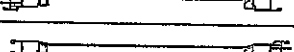
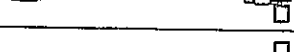
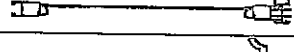
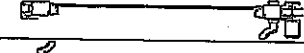
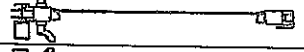
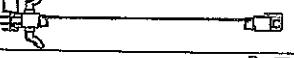
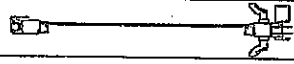
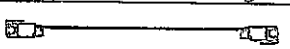
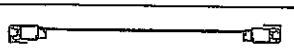
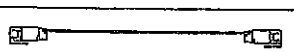
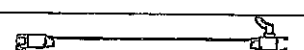
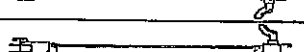
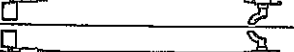
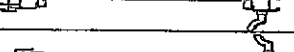
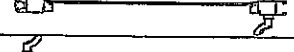
Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

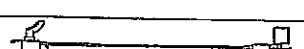
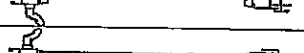
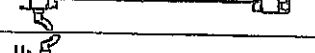
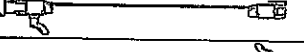
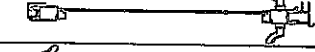
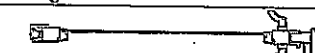
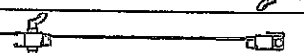
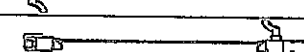
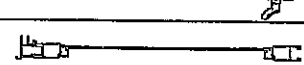
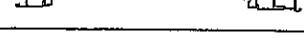
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT

Description: EXAMPLE ELEVATIONS
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	16 of 23	PGT0002	C

PANEL LETTER			
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 OUT)	ASTRAGAL IN		SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK		ASTRAGAL IN
B	SINGLE INTERLOCK		SINGLE INTERLOCK
F	SINGLE INTERLOCK		SINGLE INTERLOCK
E	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

PANEL LETTER			
J (BOX IN)	LOCKSTILE		ASTRAGAL IN
M	LOCKSTILE		SINGLE INTERLOCK
CS	CORNER RECEIVER		SINGLE INTERLOCK
SC	SINGLE INTERLOCK		CORNER RECEIVER
QS	CORNER LOCKSTILE		SINGLE INTERLOCK
SQ	SINGLE INTERLOCK		CORNER LOCKSTILE
AS	CORNER RECEIVER		SINGLE INTERLOCK
SA	SINGLE INTERLOCK		CORNER RECEIVER
CI	CORNER LOCKSTILE		SINGLE INTERLOCK
IC	SINGLE INTERLOCK		CORNER LOCKSTILE
CF	CORNER RECEIVER		FIXED LOCKSTILE
FC	FIXED LOCKSTILE		CORNER RECEIVER
PP	SINGLE INTERLOCK		FIXED LOCKSTILE
RR	FIXED LOCKSTILE		SINGLE INTERLOCK

NOTE:
1. SEE DP TABLES FOR PANEL WIDTH & APPLICABLE ASTRAGAL & INTERLOCKS.

INTERIOR
(ALL PANEL TYPES)
EXTERIOR

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No 11-1015.14
Expiration Date 2/17/15
By Ishwar J. Chawla
Local Code Professional (Designer)

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
Revised By: SMC	Date: 11/16/09	Revisions: A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

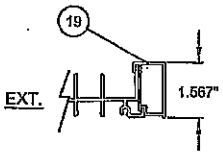
P.O. BOX 1529
NOKOMIS, FL 34274

Description: PANEL TYPES
Title: SERIES 770 ALUMINUM SGD - LMI

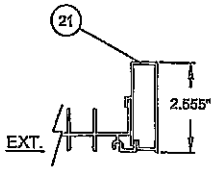
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	17 of 23	PGT0002	C

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

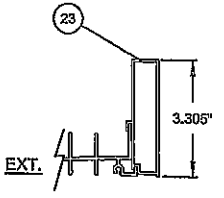
SILL RISERS OPTIONS



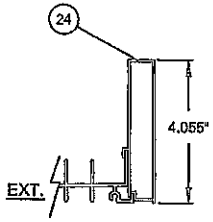
FLUSH BOX SILL RISER



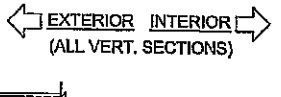
LOW BOX SILL RISER

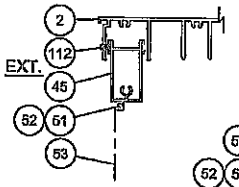


MEDIUM BOX SILL RISER

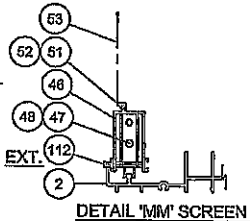


HIGH BOX SILL RISER

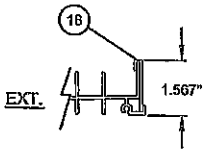




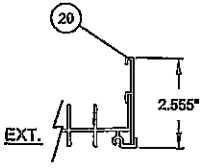
DETAIL 'LL' SCREEN AT HEAD



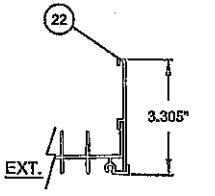
DETAIL 'MM' SCREEN AT SILL



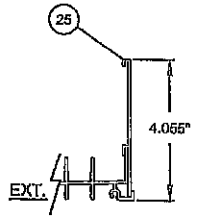
FLUSH FLAT SILL RISER



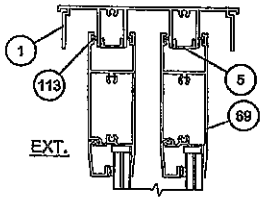
LOW FLAT SILL RISER



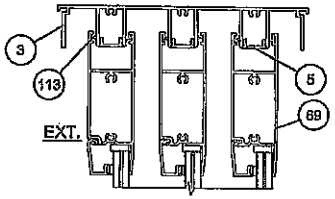
MEDIUM FLAT SILL RISER



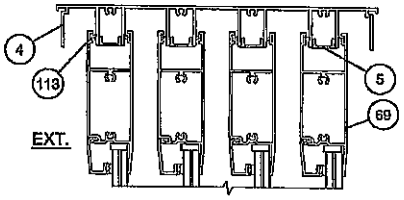
HIGH FLAT SILL RISER



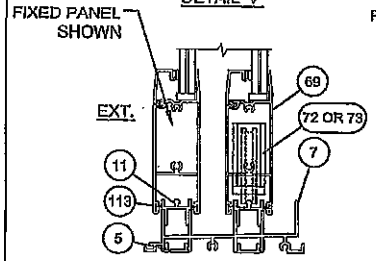
DETAIL 'V'



DETAIL 'X'



DETAIL 'Z'



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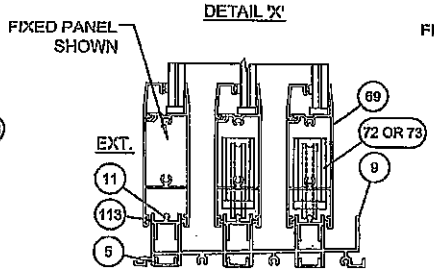
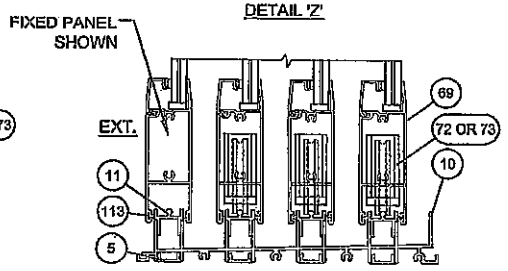


DETAIL 'W'



DETAIL 'Y'

PRODUCT REVISED
to complying with the Florida Building Code
Acceptance No. 11-1019.14
Expiration Date 2.17.15
By: Ishaq I. Chanda
Miami-Dade Product Control

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

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
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SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

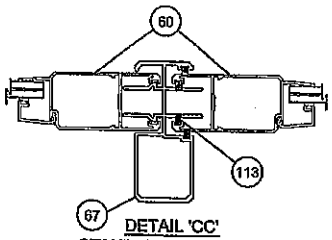
P.O. BOX 1629
NOKOMIS, FL 34274

PGT®

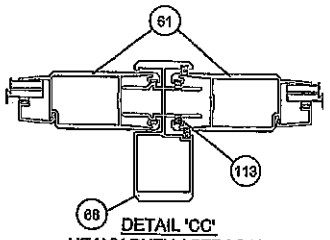
Description: VERTICAL SECTION DETAILS

Title: SERIES 770 ALUMINUM SGD - LMI

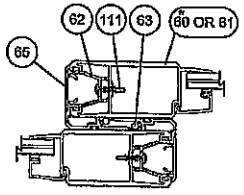
Sales/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	18 of 23	PGT0002	C



DETAIL 'CC'
STANDARD ASTRAGAL
AND STILES



DETAIL 'CC'
HEAVY DUTY ASTRAGAL
AND STILES



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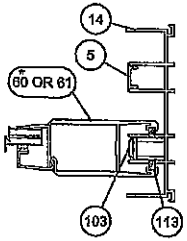
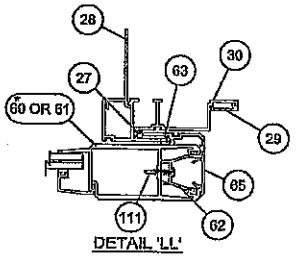
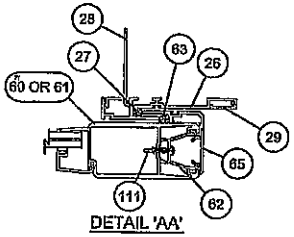


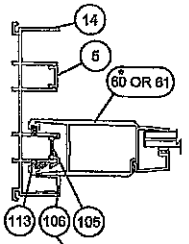
DETAIL 'EE'



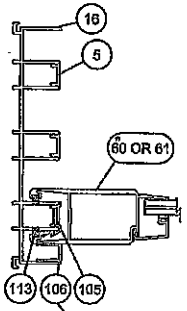
DETAIL 'LL'



DETAIL 'AA'

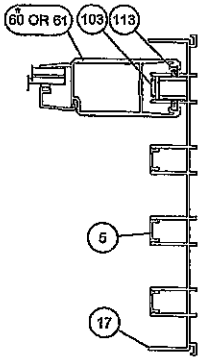


AT MIDSPAN
DETAIL 'FF' (FIXED PANEL)

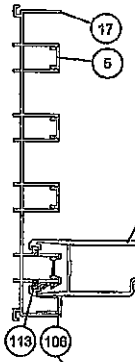


AT MIDSPAN
DETAIL 'DD' (FIXED PANEL)

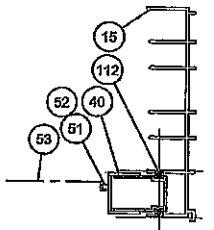
INTERIOR
(ALL HORIZ. SECTIONS)
EXTERIOR



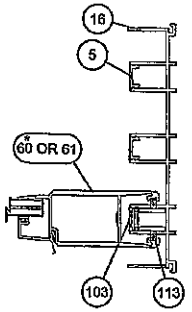
DETAIL 'HH'



AT MIDSPAN
DETAIL 'GG' (FIXED PANEL)



DETAIL 'NN' SCREEN
AT JAMB



DETAIL 'II'

*ITEM 61 SHOWN, ITEM 60 ALSO APPLICABLE, SEE TABLES 1-3, SHTS. 7-9 FOR DP (PSF) ASSOCIATED WITH STILE

PRODUCT REVISED
in complying with the Florida Building Code
Acceptance No. 11-1018.14
Expiration Date 2/17/15
By Ishaq I. Chanda
Miami-Dade Product Control

Revsd By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RAJ	Date:

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

PGT

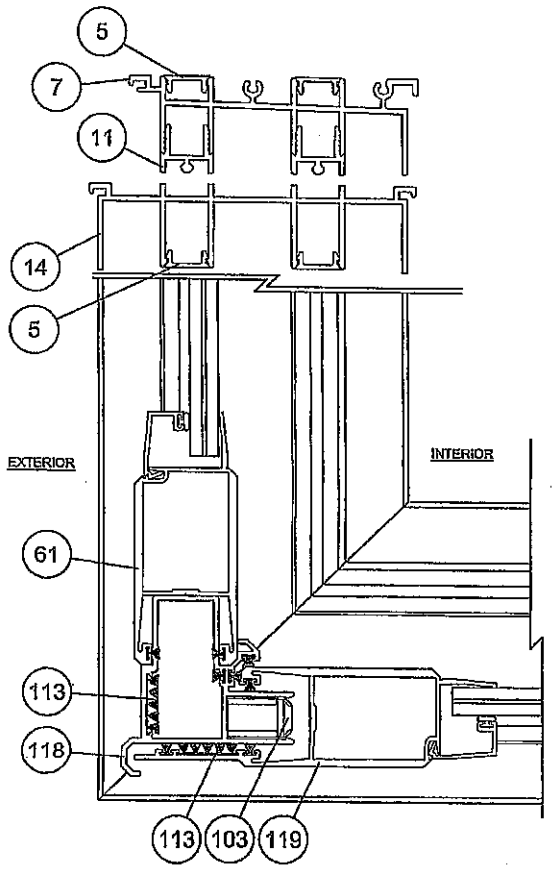
Description:
HORIZONTAL SECTION DETAILS

Title:
SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	19 of 23	PGT0002	C

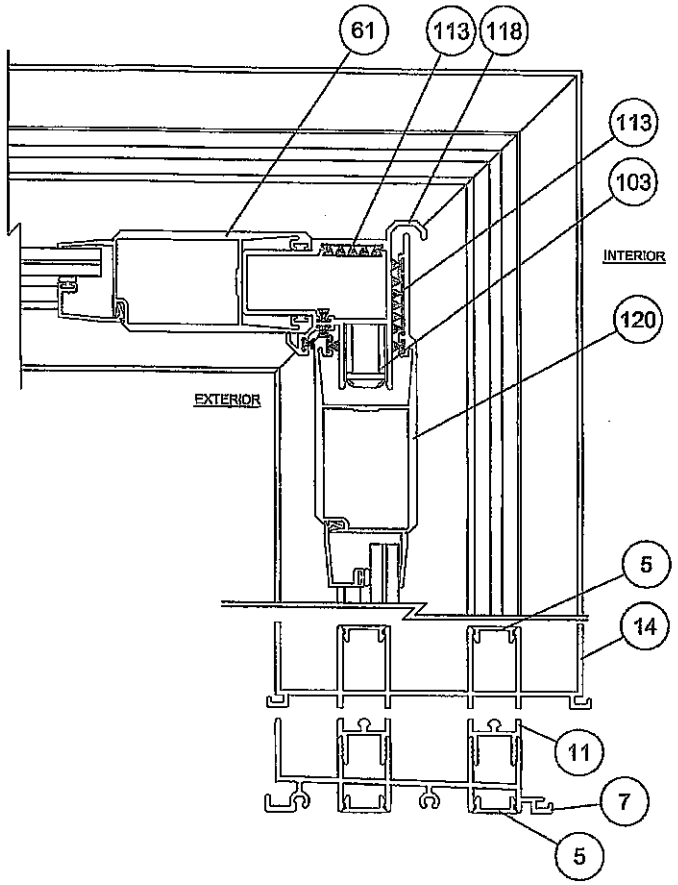
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/11/11

A. LYNN MILLER, P.E.
P.E.# 58705



DETAIL 'JJ'

(90° OUTSIDE CORNER, 2-TRACK SHOWN)



DETAIL 'KK'

(90° INSIDE CORNER, 2 TRACK SHOWN)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1618.14
Expiration Date 2/17/15
By [signature]
Miami Dade Product Control

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

Revsd By: J.J.	Date: 10/11/11	Revisions: C	NO CHANGE THIS SHEET
Revsd By:	Date:	Revisions:	
Revsd By: SMC	Date: 11/16/09	Revisions: A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/09	Checked By: RJA	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

P.O. BOX 1629
NOKOMIS, FL 34274

PGT®

Description: HORIZONTAL SECTION DETAILS, CORNERS

Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	20 of 23	PGT0002	C

ITEM	PGT Dwg. #	PGT. #	Description
1	17306	617306	2-TRACK HEAD
2	17303	617303	2-TRACK HEAD WITH SCREEN RAIL
3	17309	617309	3-TRACK HEAD
4	17312	617312	4-TRACK HEAD
5	17314	617314	FRAME SCREW COVER
6	17317	617317	FRAME HEAD/JAMB ADD-ON
7	17304	617304	2-TRACK SILL
8	17301	617301	2-TRACK SILL WITH SCREEN RAIL
9	17307	617307	3-TRACK SILL
10	17310	617310	4-TRACK SILL
11	17313	617313	FRAME SILL TRACK INSERT
12	17315	617315	FRAME SILL SCREEN ADD-ON
13	17316	617316	FRAME SILL SCREEN END ADD-ON
14	17305	617305	2-TRACK JAMB
15	17302	617302	2-TRACK JAMB WITH SCREEN RAIL
16	17308	617308	3-TRACK JAMB
17	17311	617311	4-TRACK JAMB
18	17322	617322	SILL RISER - 0
19	17319	617319	SILL RISER - 0 HOLLOW
20	17321	617321	SILL RISER - LOW FLAT
21	17318	617318	SILL RISER - LOW HOLLOW
22	17355	617355	SILL RISER - MED FLAT
23	17354	617354	SILL RISER - MED HOLLOW
24	17320	617320	SILL RISER - HIGH HOLLOW
25	17323	617323	SILL RISER - HIGH FLAT
26	17333	617333	POCKET DOOR P-HOOK
27	7070	67070	NEOPRENE BULB WSTP FOR P-HOOK
28	17334	617334	POCKET DOOR P-HOOK MOUNT
29	17335	617335	P-HOOK COVER
30	17348	617348	POCKET DOOR P-HOOK FOR BOX RISER

OPTIONAL PARTS (NOT SHOWN IN DRAWING)

40	4319	612258	SCREEN SIDE RAIL - LOCKSTILE
41		7LOCKWGSK	SCREEN LOCKSET
42		41818	SCREEN KEEPER SPACER SET
43	8152	68152	SCREEN INTERLOCK ADAPTER
44	4428	64428	SCREEN DOUBLE INTERLOCK
45	4317	612256	SCREEN TOP RAIL
46	4318	612257	SCREEN BOTTOM RAIL
47	666	7SRAZ	STANDARD ROLLER
48	669	7SRAX	STANDARD ROLLER - ST. STL.
49	4344	64344	SCREEN ASTRAGAL
50	17349	617349	OXO SCREEN ASTRAGAL ADAPTER
51	1692	61692	SCREEN SPLINE - .165
52	1694	61694	SCREEN SPLINE - .150
53		61816C20	SCREEN CLOTH
54	1725		1/2" x 4" x 1/16" SITTING BLOCK
55	1726		1" X 4" X 1/16" SITTING BLOCK

202		GLASS	7/16 LAMINATED HT-HT PVB
203		GLASS	9/16 LAMINATED HT-HT PVB
204		GLASS	7/16 LAMINATED HT-HT SGP
205		GLASS	9/16 LAMINATED HT-HT SGP

NOTE: ALL ALUMINUM = 6063-T6

ITEM	PGT Dwg. #	PGT. #	Description
60	17325	617325	PANEL STILE
61	17326	617326	PANEL STILE (HEAVY DUTY)
62	17327	617327	INTERLOCK ADAPTOR
63	1225	6TP248	VINYL BULB WSTP. - THIN (INSIDE INTERLOCK)
64	1729	71729	SILL END WEATHERSTRIP PAD
65	17328	617328	INTERLOCK SCREW COVER
67	17329	617329	ASTRAGAL
68	17339	617339	HEAVY DUTY ASTRAGAL
69	17324	617324	TOP & BOTTOM RAIL
70	17350	617350	WEATHERSTRIP EXTENSION (INJECTION MOLDED)
71	1695	71695	1 1/2" X 1" X 3/4" HIGH FIN SEAL DUST PLUGS
72	8153	78153X	TANDEM ST. STL. ROLLER ASSY.
73	8153	78153N	TANDEM NYLON ROLLER ASSY.
74		SILICONE	DOW 899 OR 995
75	8185	78185X	GEMINI MORTICE 3-PLY DUAL LOCK W/LONG TRIM PLATE
76		71032X1FPFX	#10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP
77		7103239	10-32 STEEL ZINC U-NUT
78	17358	617358	3/16 & 1/4 OGEE BEAD HORIZONTAL
79	17357	617357	1" IG BEAD HORIZONTAL
80	17359	617359	7/16 BEAD HORIZONTAL
81	17360	617360	9/16 BEAD HORIZONTAL
82	1224	6TP247K	VINYL BULB WEATHERSTRIP
83		IGTAPE	1/2"X 1/16" SINGLE SIDE ADHESIVE TAPE FOR IG BEAD

100	8052	48052	ROLLER ADJ. HOLE PLUG
101		72087	JAMB BUMPER
102	1696	71696	DUST PLUG
103	8186	78186X	1" KEEPER
104	653	7SDKEEP	SCREEN LOCK KEEPER
105	17344	617344	FIXED PANEL CLIP - 6" LONG
106	17352	617352	EXTERIOR FIXED PANEL RETAINER
107	1739	71739	HANDLE KIT - INTERIOR RAISED WITH THUMB TURN
108	1740	71740	HANDLE KIT - RAISED EXTERIOR HANDLE
109	1731	78162SN	HANDLE KIT - RECESSED INTERIOR WITH THUMB TURN
110	1732	78178	HANDLE KIT - RECESSED EXTERIOR PULL
111		710X34PPSDAX	#10 X 3/4" PH. PN. TEK - S.S.
112	1235	67816	WSTP, .270 X .170 - FIN SEAL
113	1712	64065	.187 X .230 FINSEAL
114		710X115PPX	#10X 1 1/2"
115		710XPPT	#10X 1"
116		720XIX	#14-20 X 1" ST. STL.
117		720X112X	#14-20 X 1.5" ST. STL.
118	17336	617336	CORNER RECEIVER
119	17337	617337	OUTSIDE CORNER ASTRAGAL
120	17338	6117338	INSIDE CORNER ASTRAGAL

210		GLASS	LAMINATED IG 3/16T - 7/16 LAMINATED HT-HT PVB
211		GLASS	LAMINATED IG 1/4T - 7/16 LAMINATED HT-HT PVB
212		GLASS	LAMINATED IG 3/16T - 7/16 LAMINATED HT-HT SGP
213		GLASS	LAMINATED IG 1/4T - 7/16 LAMINATED HT-HT SGP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1018.14
Expiration Date 2/17/15
By Ishaq I. Chanda
Notice: Product Approval Limited

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
SMC	01/05/10	B	PER MIAMI DADE COMMENTS
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 09/05/09	Checked By: RJA	Date:

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

Description: PARTS LIST
Title: SERIES 770 ALUMINUM SGD - LMI

Series/Model	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	21 of 23	PGT0002	C

ANTHONY LYNN MILLER
LICENSE
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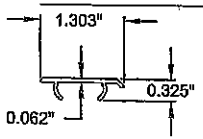
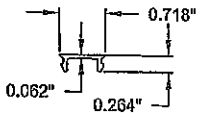
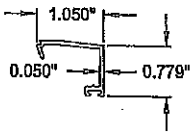
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/11/11
A. LYNN MILLER, P.E.
P.E.# 58705



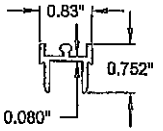
INTERLOCK SCREW COVER
(65) MAT'L: 6063-T6



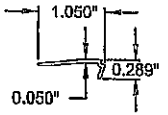
FRAME SCREW COVER
(5) MAT'L: 6063-T6



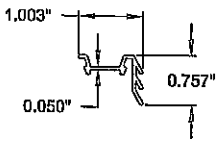
GLAZING BEAD (SINGLE)
(78) MAT'L: 6063-T6



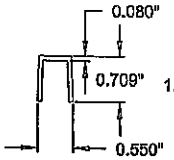
SILL TRACK
(11) MAT'L: 6063-T6



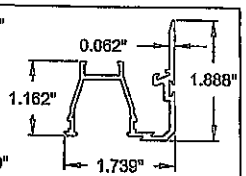
GLAZING BEAD (I.G.)
(79) MAT'L: 6063-T6



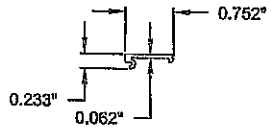
FIXED PANEL CLIP
(105) MAT'L: 6063-T6



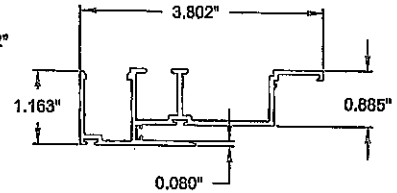
FIXED PANEL RETAINER
(106) MAT'L: 6063-T6



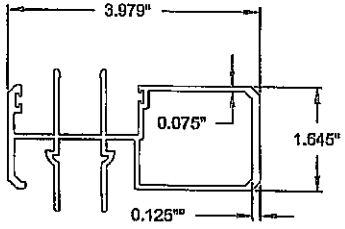
INTERLOCK
(62) MAT'L: 6063-T6



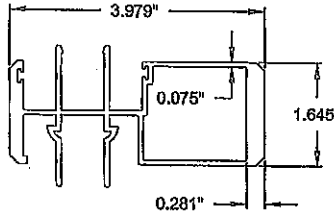
P-HOOK SCREW COVER
(29) MAT'L: 6063-T6



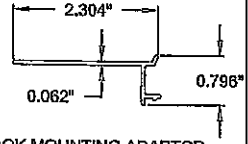
P-HOOK FOR BOX RISER
(30) MAT'L: 6063-T6



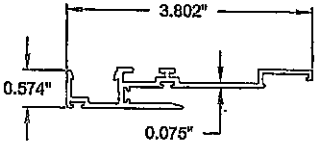
STANDARD ASTRAGAL
(67) MAT'L: 6063-T6



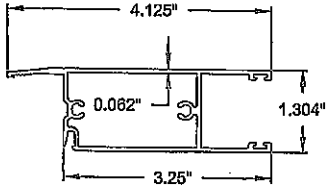
HEAVY DUTY ASTRAGAL
(68) MAT'L: 6063-T6



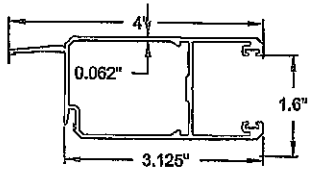
P-HOOK MOUNTING ADAPTOR
(28) MAT'L: 6063-T6



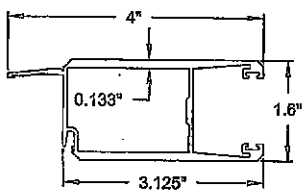
P-HOOK
(26) MAT'L: 6063-T6



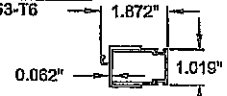
TOP/BOTTOM BOTTOM RAIL
(69) MAT'L: 6063-T6



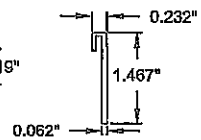
STANDARD STILE
(60) MAT'L: 6063-T6



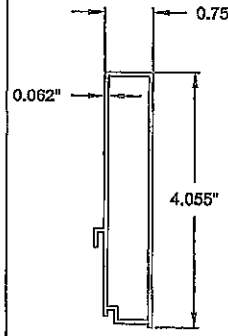
HEAVY DUTY STILE
(61) MAT'L: 6063-T6



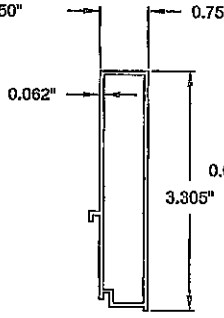
SCREEN STILE
(40) MAT'L: 6063-T6



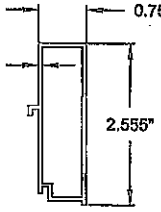
FLUSH FLAT SILL RISER
(18) MAT'L: 6063-T6



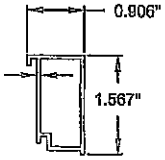
HIGH BOX SILL RISER
(24) MAT'L: 6063-T6



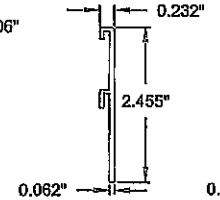
MEDIUM BOX SILL RISER
(23) MAT'L: 6063-T6



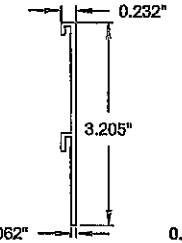
LOW BOX SILL RISER
(21) MAT'L: 6063-T6



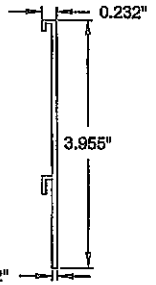
FLUSH BOX SILL RISER
(19) MAT'L: 6063-T6



LOW FLAT SILL RISER
(20) MAT'L: 6063-T6



MED. FLAT SILL RISER
(22) MAT'L: 6063-T6



HIGH FLAT SILL RISER
(25) MAT'L: 6063-T6

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1015.14
Expiration Date 2-11-15
By [signature]
[illegible] Code Program Coordinator

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

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By:	Date:	Checked By:	Date:
SMC	08/05/09	RJA	

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

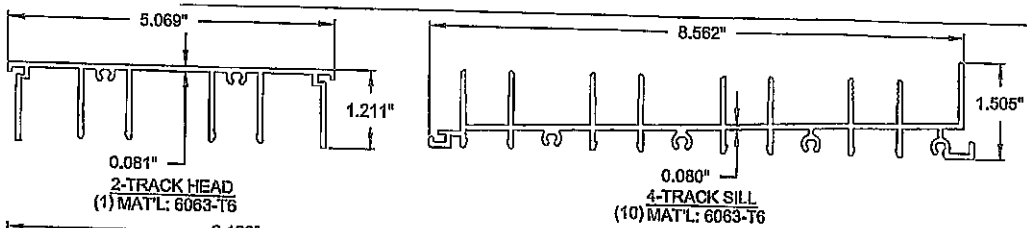
P.O. BOX 1529
NOKOMIS, FL 34274

PGT®

Description:
EXTRUSIONS

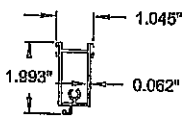
Title:
SERIES 770 ALUMINUM SGD - LMI

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	22 of 23	PGT0002	C

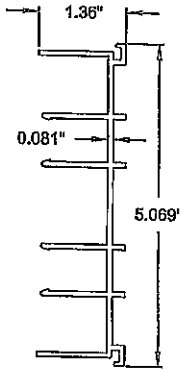


2-TRACK HEAD
(1) MAT'L: 6063-T6

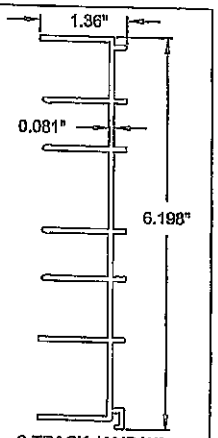
4-TRACK SILL
(10) MAT'L: 6063-T6



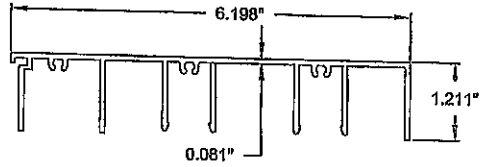
SCREEN TOP RAIL
(45) MAT'L: 6063-T6



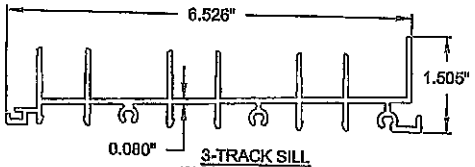
2-TRACK JAMB
(14) MAT'L: 6063-T6



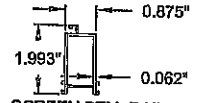
2-TRACK JAMB W/
SCREEN TRACK
(15) MAT'L: 6063-T6



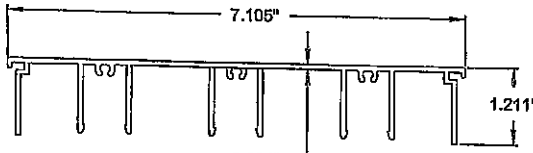
2-TRACK HEAD W/ SCREEN TRACK
(2) MAT'L: 6063-T6



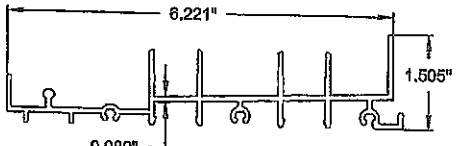
3-TRACK SILL
(9) MAT'L: 6063-T6



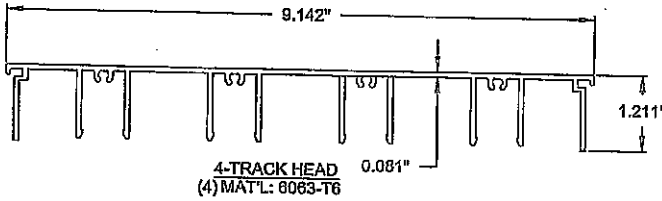
SCREEN BTM. RAIL
(46) MAT'L: 6063-T6



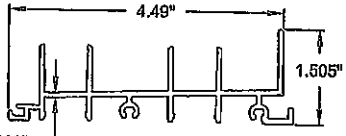
3-TRACK HEAD
(3) MAT'L: 6063-T6



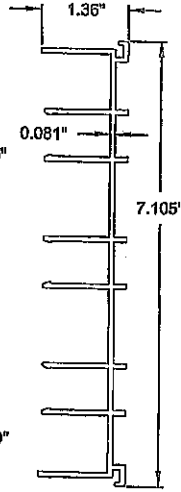
2-TRACK SILL W/ SCREEN TRACK
(8) MAT'L: 6063-T6



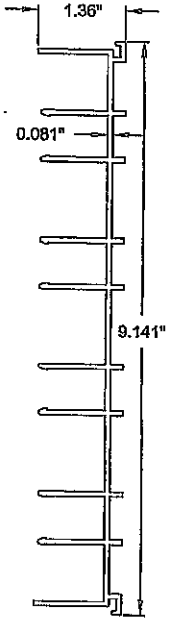
4-TRACK HEAD
(4) MAT'L: 6063-T6



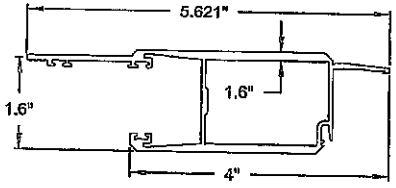
2-TRACK SILL
(7) MAT'L: 6063-T6



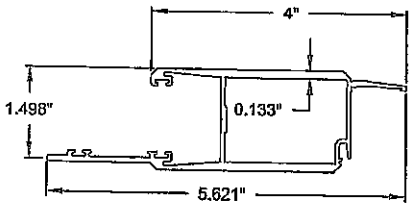
3-TRACK JAMB
(16) MAT'L: 6063-T6



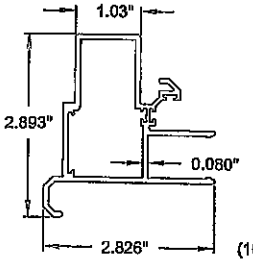
4-TRACK JAMB
(17) MAT'L: 6063-T6



INSIDE CORNER ASTRAGAL
(120) MAT'L: 6063-T6



OUTSIDE CORNER ASTRAGAL
(119) MAT'L: 6063-T6



CORNER RECEIVER
(118) MAT'L: 6063-T6

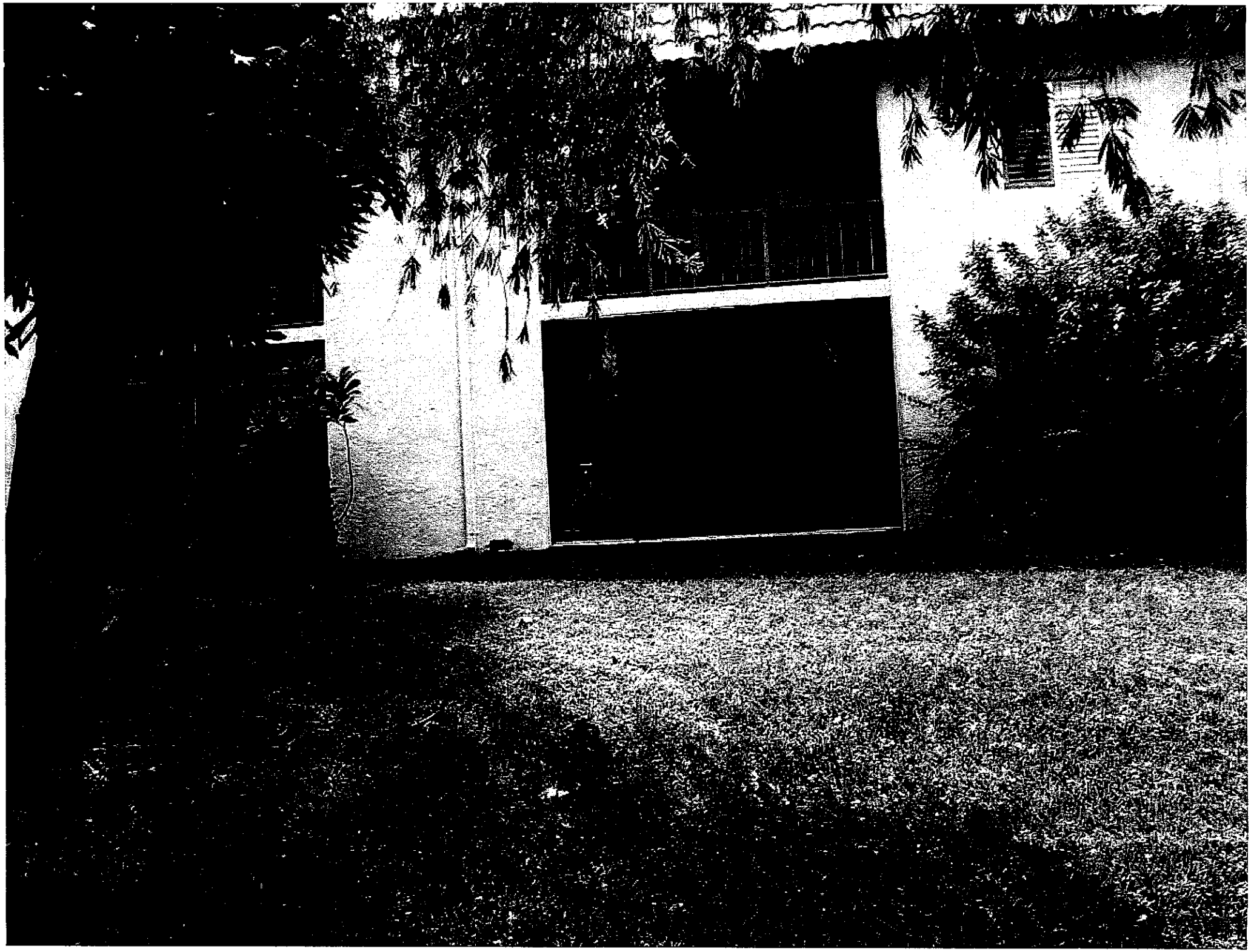
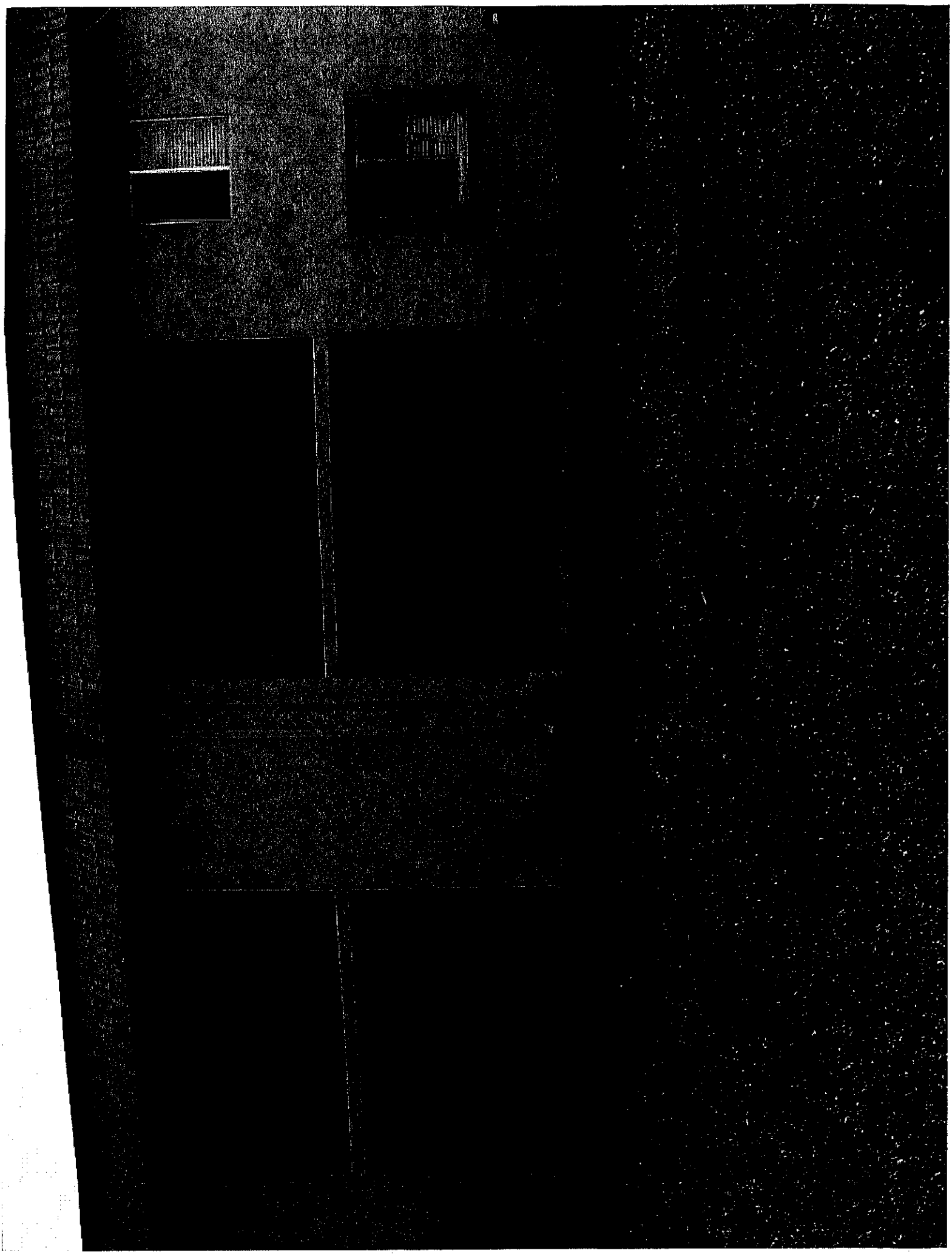
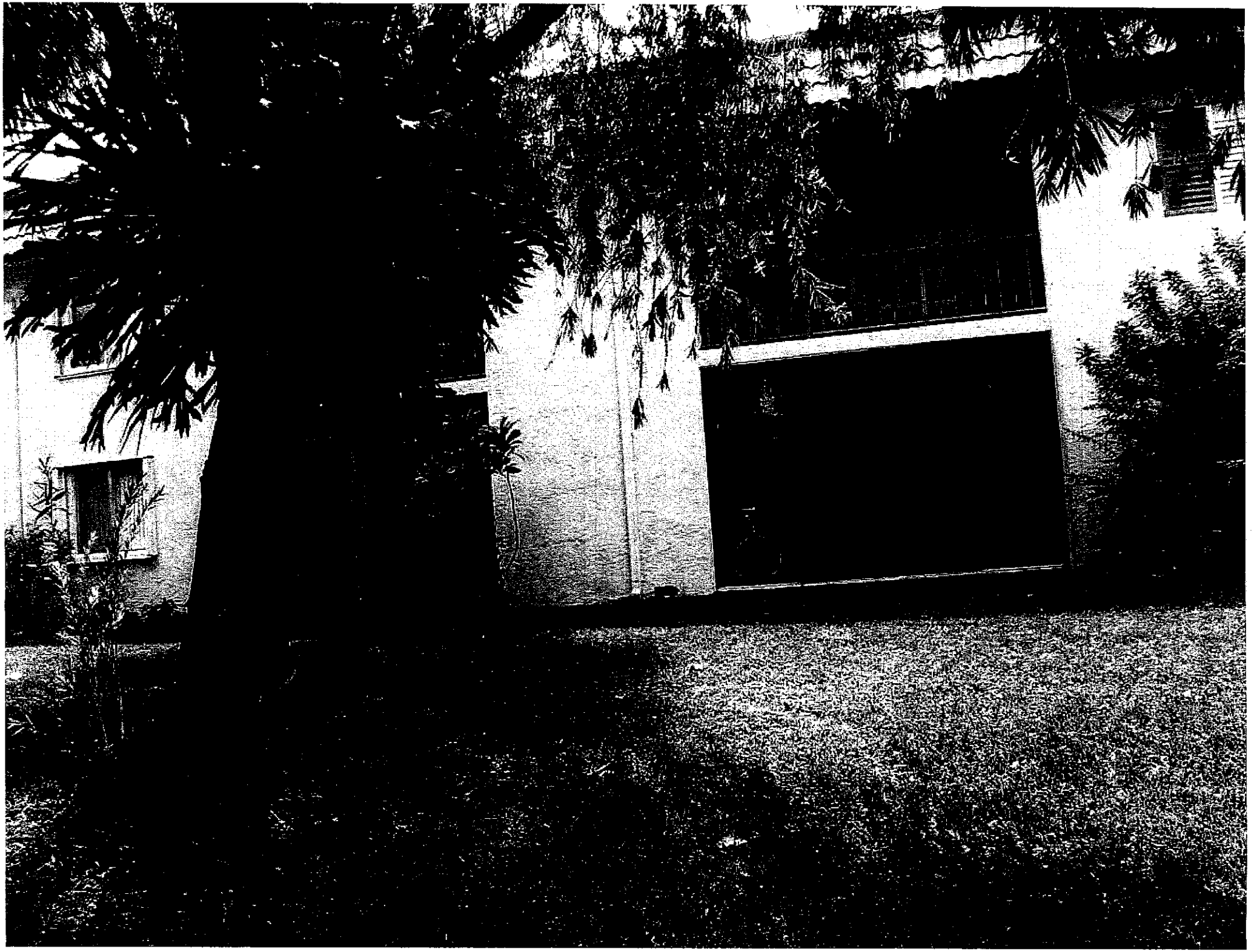
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1018.14
Expiration Date: 2/17/2015
By [signature]
Miami Dade Product Control

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

Revised By:	Date:	Revisions:	
J.J.	10/11/11	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
SMC	11/16/09	A	PER MIAMI DADE COMMENTS
Drawn By:	Date:	Checked By:	Date:
SMC	08/04/09	RJA	

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

PGT

Description: EXTRUSIONS
Title: SERIES 770 ALUMINUM SGD - LMI

Embellishment:	Scale:	Sheet:	Drawing No.	Rev:
SGD770	NTS	23 of 23	PGT0002	C