1 EXTERIOR DOOR SCHEDULE

(BASED ON P.G.T. ALUMINUM DOORS-IMPACT W/DARK WALNUT WOOD FRAME U.O.N.

DOOR No.	ROOM NAME	TYPE	DOUBLE DOOR	SIZE WIDTH	SIZE HEIGHT	PRESSURES APPROVED PRESSURE POS/ NEG	PRESSURES REQUIRED PRESSURE POS/ NEG	PRESSURES PRODUCT APPROVAL NUMBER	GLASS GLASS COLOR	GLASS GLASS TYPE	GLASS GLASS SIZE	GLASS FASTENER TYPE/SIZE	SHUTTER	FRAME MATERIAL	FRAME FINISH	MULLION	REMARKS
1	ENTRY DOOR	A	●	6'-0"	7'-0"	+100.0 /-100.0	+41.0/-45.0	09-1028.10		N/A		1/4" TAPCONS	NO	AL	ALUM	NO	EGRESS F.B.C. R311
2	GARAGE O.H. DOOR	F		8'-0"	7'-0"	+62.0 /-72.0	+41.0/-45.0	08-0724.04		N/A		1/4" TAPCONS	NO	AL	ALUM	NO	O.H. DOOR VERIFY SIZE
3	GYMNASIUM	C		15'-0"	8'-0"	+60.0 /-60.0	+37.0/-43.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	THREE PANEL
4	GYMNASIUM	B		3'-0"	8'-0"	+70.0 /-80.0	+43.0/-46.0	09-1028.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	EGRESS
5	NOT USED																
6	GARAGE	B		2'-0"	6'-8"	+70.0 /-80.0	+44.0/-48.0	09-1028.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	PRIVACY TINT
7	SIDE ENTRY	B		2'-6"	6'-8"	+70.0 /-80.0	+44.0/-48.0	09-1028.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	PRIVACY TINT
8	MASTER BEDROOM	C		15'-0"	7'-6"	+60.0 /-60.0	+37.0/-43.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	THREE PANEL
9	LIVING ROOM	C		30'-0"	10'-0"	+100.0 /-100.0	+37.0/-39.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	** SEE NOTE BELOW
10	LAUNDRY	B		2'-6"	6'-8"	+70.0 /-80.0	+44.0/-65.0	09-1028.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
11	BEDROOM	C		9'-0"	8'-0"	+60.0 /-60.0	+39.0/-49.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
12	BEDROOM	C		15'-0"	8'-0"	+60.0 /-60.0	+37.0/-43.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	THREE PANEL
13	BEDROOM	C		5'-0"	6'-8"	+90.0 /-90.0	+43.0/-56.0	09-0826.10	AZURLITE	TEMPERED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	

2 WINDOW SCHEDULE

(BASED ON P.G.T. ALUMINUM IMPACT WINDOWS DARK WALNUT WOOD FRAME • SEE NOTES THIS SHEET FOR ADDITIONAL DTLS

NUMBER/MARK	DESCRIPTION	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	PRESSURES APPROVED PRESSURE POS/ NEG ON P.A.	PRESSURES REQUIRED PRESSURE POS/ NEG	PRESSURES PRODUCT APPROVAL NUMBER	GLASS GLASS COLOR	GLASS GLASS TYPE	GLASS GLASS SIZE	GLASS FASTENER TYPE/SIZE	SHUTTER	FRAME MATERIAL	FRAME FINISH	MULLION	REMARKS
(A)	CASEMENT	84 3/4"	44"	+90.0 / -70.0	+43.0/-46.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(B)	CASEMENT	27 1/4"	44"	+83.6 / -70.0	+44.0 /-65.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	CENTER W/WINDOWS ABOVE
(C)	3050 CASEMENT	36 3/4"	60"	+42.2 / -42.2	+44.0/-65.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	TOP @ 8'-0" ABOVE GYM F.F.
(D)	8040 CASEMENT	96"	48"	+90.0 / -70.0	+43.0/-46.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(D-1)	2840 CASEMENT	32"	48"	+61.8 / -61.8	+44.0 /-48.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	EMERGENCY ESCAPE & RESCUE
(E)	2040 CASEMENT	24 3/4	48"	+90.0 / -70.0	+44.0 /-65.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	PRIVACY TINT
(F)	FIXED PICTURE WINDOW	72 3/4"	48"	+90.0 / -70.0	+43.0 /-46.0	08-1112.10	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	PRIVACY TINT/NOT OPERABLE
(G)	2640 CASEMENT	30 3/4"	48"	+68.4 / -68.4	+44.0 /-65.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	FIRST FL. TOP @ 7'-6" AFF
(H)	CASEMENT	20"	48"	+90.0 / -70.0	+44.0 /-65.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	FIRST FL. TOP @ 7'-6" AFF
(I)	2040 CASEMENT	24"	48"	+90.0 / -70.0	+44.0 /-48.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(J)	CASEMENT	60 3/4"	36"	+42.2 / -42.2	+44.0/-48.0	08-0117.11	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(K)	CASEMENT	72"	44"	+90.0 / -70.0	+43.0 /-46.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	CENTER W/DINING ROOM
(L)	FIXED PICTURE WINDOW	343/4"	91"	+80.0 / -80.0	+43.0/-46.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	YES	TOP @ 10'-7" AFF
(M)	FIXED PICTURE WINDOW	17"	91"	+80.0 / -80.0	+44.0/-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	YES	TOP @ 10'-7" AFF
(N)	FIXED WINDOW/TRANSOM	68 3/4"	20"	+80.0 / -80.0	+44.0/-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	TOP @ 6'-0" AFF
(O)	CASEMENT	72 3/4	76"	+90.0 / -70.0	+43.0/-46.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	TOP @ 9'-4" AFF
(P)	9060 CASEMENT	108 3/4	72"	+90.0 / -70.0	+41.0/-45.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(Q)	FIXED WINDOW/TRANSOM	96 3/4"	20"	+80.0 / -80.0	+44.0/-65.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(R)	6050 CASEMENT	72 3/4	60"	+90.0 / -70.0	+43.0/-46.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(S)	FIXED PICTURE WINDOW	36"	20"	+80.0 / -80.0	+44.0 /-65.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(T)	7080 CASEMENT	84"	60"	+90.0 / -70.0	+43.0/-56.0	08-0117.11	AZURLITE	LAMINATED	7/16"	1/4" TAPCONS	NO	AL	ALUM	NO	
(T-L)	FIXED WINDOW/TRANSOM	17"	22"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW 12'-5" AFF
(T-M)	FIXED WINDOW/TRANSOM	34"	22"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW 12'-5" AFF
(T-O)	FIXED WINDOW/TRANSOM	36"	22"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW 3'-0" AFF
(T-O)	FIXED WINDOW/TRANSOM	18"	22"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW 3'-0" AFF
(T-11)	FIXED WINDOW/TRANSOM	21"	22 3/4"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW
(T-12)	FIXED WINDOW/TRANSOM	42"	38 3/4"	+80.0 / -80.0	+44.0 /-48.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	ALIGN W/WINDOW BELOW
** (T1-9)	FIXED WINDOW/TRANSOM	60"	72"	+80.0 / -80.0	+43.0 /-46.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	YES	ALIGN W/DOORS BELOW
(T2-9)	FIXED WINDOW/TRANSOM	45"	72"	+80.0 / -80.0	+43.0 /-56.0	08-1112.10	AZURLITE	LAMINATED	5/16"	1/4" TAPCONS	NO	AL	ALUM	NO	CENTER W/BAR

TOP OF WINDOWS TO BE 6'-8" ON THE FIRST FLOOR AND 8'-0" ON THE SECOND FLOOR UNLESS OTHERWISE NOTED ON THE SCHEDULE ABOVE. ALL CASEMENT WINDOWS TO BE EITHER SINGLE OPENING OR TRIPPLE DIVISION (1/4,1/2,1/4). NO DOUBLE OPENING CONFIGURATION (TYP.)

WINDOWS DIVIDED IN THREE PARTS SHALL BE IN PARTS OF 1/4, 1/2, AND 1/4 WITH END UNITS OPERABLE CASEMENTS.

• NOTE: CONTRACTOR TO VERIFY OPENING SIZE WITH WINDOW SIZE AND REPORT ANY DISCREPANCIES TO ARCHITECT (TYP.)
MASONRY OPENING GIVEN ARE APPROXIMATE AND SHALL BE VARIFIED BY WINDOW MANUFACTURER. MASONRY OPENINGS GIVEN ASSUME A PRECAST SILL AND A 1X BUCK. IF USING A POURED SILL ADD 3/4". WOOD FRAMES REQUIRE NAILING FINS. FRAMING DIMENSIONS ARE CALCULATED WITH DRYWALL BUTTED AGAINST WINDOW FRAME. IF DRYWALL IS TO BE TUCKED ADD 5/8" TO BUCK WIDTH AND HEIGHT.

CASEMENT WINDOWS THAT ARE NOT STANDARD SIZES SHALL NOT BE CHARGED ADDITIONAL COSTS/FEES. CUSTOM SIZE WINDOWS CAN BE OBTAINED THROUGH RON AT A-CHRISTIAN GLASS 561-212-8294 WITHOUT UPCHARGES. STRUCTURAL MULLIONS BETWEEN DOOR AND/OR SIDE LIGHT TO BE PROVIDED BY WINDOW MANUF. IF REQUIRED

ALL EXTERIOR WINDOW AND DOOR MANUF. TO INCLUDE DECORATIVE MULL BARS (COLONIALS) AS PER ELEVATION (TYP.) ALL HORIZONTAL COLONIALS SHALL ALIGN W/ADJACENT WINDOW OR DOOR AS APPLICABLE.

SEE SHEETS A-11.01 THROUGH A-11.08 FOR PRODUCT APPROVALS AND N.O.A.

PROTECTION OF OPENINGS: ALL GLAZING SHALL BE PROTECTED IN ACCORDANCE W/FBC 2007 R301.2.1.2. SHUTTERS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT OF RECORD. SHUTTERS SHALL MEET AND COMPLY W/FBC. ALL WINDOWS TO BE IMPACT UNITS IF NOT SHUTTERED.

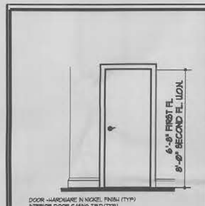
** NOTE: SHOULD DOOR 9 BE REQUIRED TO HAVE ADDITIONAL PANELS THAN THAT WHICH IS SHOWN ON ELEVATIONS, THEN THE SIZE OF TRANSOM T1-9 SHALL BE ADJUSTED IN WIDTH TO ALIGN WITH DOOR PANELS BELOW. WIDTH OF ONE SLIDING DOOR PANEL SHALL EQUAL WIDTH OF TRANSOM T1-9 ABOVE.

3 INTERIOR DOOR SCHEDULE

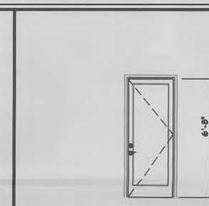
ROOM NAME	DOOR No.	TYPE	DOUBLE DOOR	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	SIZE UNDERCUT	MATERIAL	FINISH	LABEL	DESCRIPTION SOLID WOOD	SOLID CORE	HOLLOW CORE	LOUVERED	POCKET	BY-PASS	PANELED	BIFOLD	FIXED	SCL. ACTING	DBL. ACTING	GLASS TYPE	OVERHEAD	FRAME MATERIAL	FRAME FINISH	FRAME LABEL	PANIC HARDWARE	DET JAMB	DET HEAD	DET SILL	THR MARBLE	THR ALUMINUM	TRANSOM	CLOSER	WEATHERSTRIP	REMARKS
POWDER	14	A		2'-8"	6'-8"	1 3/4"		WD					●											WD												
BATHROOM	15	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
SHOWER	16	G		2'-0"	6'-0"			GL														TEMP		AL												
CLOSET	17	D	●	8'-0	6'-8"	1 3/4"		WD					●					●						WD												
OFFICE	18	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
A/C CLOSET	19	E		3'-0"	6'-8"	1 3/4"		WD					●	●										WD												VERIFY DOOR CLEARANCE/SIZE
MASTER BEDROOM	20	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
W.I.C.	21	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
MASTER BATHROOM	22	A		3'-0"	6'-8"	1 3/4"		WD					●			●								WD												CENTER WITH W/C
TOILET ROOM	23	A		2'-0"	6'-8"	1 3/4"		WD					●											WD												
SHOWER	24	G		2'-6"	6'-0"			GL														TEMP		AL												SEAMLESS SHOWER ENCLOSURE
LAUNDRY	25	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
PANTRY	26	E		2'-6"	6'-8"	1 3/4"		WD					●											WD												
CABANA BATH	27	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
CABANA SHOWER	28	G		2'-0"	6'-0"			GL														TEMP		AL												
STORAGE	29	A		2'-6"	6'-8"	1 3/4"		WD					●											WD												
A/C CLOSET	30	D	●	6'-0"	8'-0"	1 3/4"		WD					●					●						WD												
SHOWER	31	G		2'-0"	7'-0"			GL														TEMP		AL												
NEW BATHROOM	32	A		2'-6"	8'-0"	1 3/4"		WD					●											WD												
W.I.C.	33	A		2'-6"	8'-0"	1 3/4"		WD					●											WD												
LINEN	34	D	●	3'-0"	8'-0"	1 3/4"		WD					●					●						WD												
NEW BEDROOMS	35	A		2'-6"	8'-0"	1 3/4"		WD					●											WD												
BATHROOM	36	A		2'-6"	8'-0"	1 3/4"		WD					●			●								WD												
BATHROOM TUB	37	A		4'-0"	5'-6"	1 3/4"		WD					●			●								WD												BOTTOM AT 30" AFF
SHOWER	38	G		2'-0"	7'-0"			GL									●					TEMP		AL												
A/C CLOSET	39	D	●	5'-0"	6'-8"	1 3/4"		WD					●						●					WD												
EXISTING BED/BATH	40	A		2'-6"	6'-8"	1 3/4"		WD					●						●					WD												

★NOTE: INTERIOR DOOR TYPE AND STYLE TO BE SELECTED BY OWNER. ALL INTERIOR DOORS TO BE REPLACED. ALL HARDWARE TO BE SELECTED BY OWNER

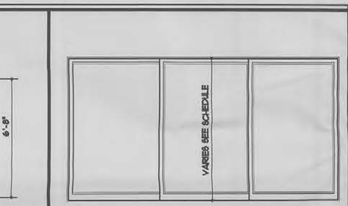
NOTE: NEW BASEBOARDS THROUGHOUT OWNER/INTERIOR DESIGNER TO SELECT ALL FINISHES, FIXTURES AND HARDWARE



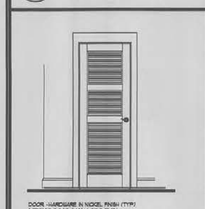
A **DOOR TYPE** SCALE: 1/4" = 1'-0"



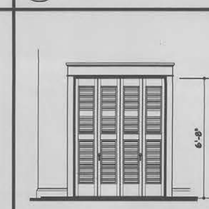
B **FRENCH DOOR TYPE** SCALE: 1/4" = 1'-0"



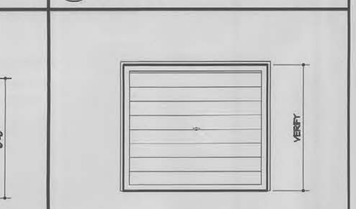
C **EXTERIOR DOOR TYPE** SCALE: 1/4" = 1'-0"



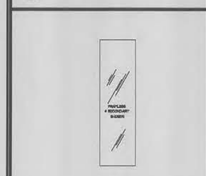
D **DOOR TYPE** SCALE: 1/4" = 1'-0"



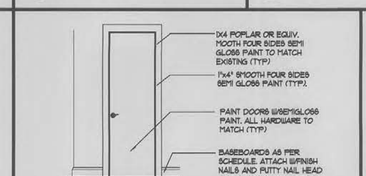
E **BIFOLD DOOR TYPE** SCALE: 1/4" = 1'-0"



F **GARAGE OHD** SCALE: 1/4" = 1'-0"



G **SHOWER DOOR** SCALE: 1/4" = 1'-0"



H **DOOR AND WINDOW CASING** SCALE: 1/2" = 1'-0"

APPROVED
NOV 15 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL
2-28-11 DR

1. ALL DOORS, STAIRS AND HALLS SHALL COMPLY WITH SECTION R311 (MEANS OF EGRESS) OF THE FBC RESIDENTIAL 2007 AND NFPA CODE SUB-SECTION 5-2.1.5 FOR LOCKS, LATCHES, AND ALARM DEVICES AS WELL AS THE MINIMUM EGRESS REQUIREMNTS PER NFPA 101.
2. EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING WHICH COMPLIES W/SECT R310 FBC RESIDENTIAL.
3. ALL WINDOWS SHALL MEET LIGHT AND VENTILATION REQUIREMENTS AND COMPLY W/SECT R303 FBC RESIDENTIAL
4. ALL GLAZING MATERIAL ADJACENT TO EXTERIOR DOORS WITHIN 12" OF THE DOOR IN A CLOSED POSITION AND BELOW THE TOP OF THE DOOR TO BE ALSO SAFETY GLAZING AS PER FBC R308.
5. MATCH MATERIALS AND FINISHES, REFER TO PARTITION TYPES
6. ALL FINISH AND DOOR HARDWARE TO MATCH
7. ALL FINISHES AND SURFACES THROUGHOUT ARE TO BE FREE FROM DEFECTS AND IMPERFECTIONS.
8. ALL DRYWALL TO BE FINISHED AT LEVEL 4 ASTM STANDARD
9. GENERAL CONTRACTOR TO VERIFY WITH MANUFACTURE ALL ROUGH OPENINGS PRIOR TO WINDOW AND DOOR FABRICATION
10. GENERAL CONTRACTOR TO COORDINATE DOOR HEIGHT WITH AVAILABLE HEAD ROOM
11. WINDOW MANUFACTURER TO VERIFY MINIMUM WINDOW PRESSURE LOADS REQUIRED.
12. TOP OF OPENINGS SHALL BE AT 6'-8" AFF. ON FIRST FLOOR AND 8'-0" AFF ON SECOND FLOOR UNLESS OTHERWISE NOTED.
13. WINDOWS/GLASS IN BATHROOMS, TOILET STALLS AND SHOWERS SHALL BE FROSTED OR PRIVACY TINT
14. CONTRACTOR TO COORDINATE UNDERCUT OF DOORS W/MECH DUCS
15. EXTERIOR DOORS AND WINDOWS TO COMPLY W/FBC R4101.1.7-RESIDENTIAL SWIMMING POOL BARRIER REQUIREMENT
16. GLASS IN SHOWER ENCLOSURES, FRENCH DOORS AND SLIDING GLASS DOORS MUST BE OF CATEGORY II SAFETY GLAZING AS PER F.B.C. R308.4.(5.) AND R4102.6.2
17. MANUFACTURERS METHODS OF ATTACHMENT FOR WINDOWS AND DOORS SHALL PREVAIL WHEN SUBMITTED WITH COMPLETE INSTRUCTIONS.
18. MIRRORS IN EXCESS OF 9 SF SHALL BE DIRECTLY SECURED TO SUPPORTS AND SHALL NOT BE HUNG. NOTE: MIRROR INSTALLATION PER MFGR SPECIFICATIONS.
19. BATHTUB AND SHOWER FLOORS AND WALLS ABOVE BATHTUBS WITH INSTALLED SHOWER HEADS AND IN SHOWER COMPARTMENTS SHALL BE FINISHED WITH A NON ABSORBANT SURFACE. SUCH WALL SURFACES SHALL EXTEND TO A HEIGHT OF NOT LESS THAN 6 FEET ABOVE THE FLOOR. TILE SELECTION BY OWNER.
20. ALL WATER CLOSETS AND LAVATORIES SHALL HAVE A 21" MIN CLEARANCE IN FRONT OF FIXTURE FROM THE CENTER LINE OF FIXTURE AND 15" TO ANY SIDE FIXTURE OR FINISHED SURFACE PER FBC TABLE R307.1. SHOWERS SHALL BE MIN 30" X30" W/24 IN CLEARANCE IN FRONT OF OPENING

4 DOOR ELEVATIONS

5 DOOR, WINDOW & FIXTURE NOTES

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7.7.10

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY.12-10

SCHEDULES

A-11

MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 "FD-750" Outswing Aluminum French Door w/Sidelites – L.M.I.

APPROVAL DOCUMENT: Drawing No. **8000-11**, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04, with revision D dated 01/25/10, prepared by the manufacturer, signed and sealed by Robert L. Clark, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises and renews NOA # 07-0103.02** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

NOA No. 09-1028.10
Expiration Date: February 24, 2015
Approval Date: February 10, 2010
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. **DRAWINGS**
1. Manufacturer's die drawings and sections.
2. Drawing No **8000-12**, Sheets 1 through 12 of 12, titled "Alum. French Door & Side Lites, Impact", dated 12/23/04 with revision **D** dated 01/25/10, prepared by manufacturer, signed and sealed by Robert L. Clark, P.E.

B. **TESTS**
1. Test reports on: 1) Air Infiltration Test,
2) Uniform Static Air Pressure Test,
3) Water Resistance Test,
4) Forced Entry Test, per SFBC 3503.2 (b)
along with marked-up drawings and installation diagram of an aluminum sliding glass door using a low sill threshold, glazed with 7/16" laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5941**, dated 05/20/09, signed and sealed by Julio E. Gonzalez, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94,
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, Per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4921,** dated 07/17/06, signed and sealed by Edmundo Largaespada, P. E.
3. Test reports on: 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum doors of OXXX configuration, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4527,** dated 02/10/05, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0419.03)
4. Test reports 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4528,** dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0419.03)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-1028.10
Expiration Date: February 24, 2015
Approval Date: February 10, 2010

E - 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. **TESTS** (CONTINUED)
5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum doors of XXXO configuration, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4529,** dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0419.03)
6. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4530,** dated 02/14/05, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0419.03)
7. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4311,** dated 09/01/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0103.03)
8. Test reports on: 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4312,** dated 09/13/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0103.03)
9. Test reports 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum outswing French door, prepared by Fenestration Testing Laboratory, Test Reports No. **FTL-4315,** dated 09/13/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under NOA # 05-0103.03)

C. **CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 10/01/09, prepared, signed and sealed by Robert L. Clark, P.E.
Complies with ASTM E1300-02/04

Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-1028.10
Expiration Date: February 24, 2015
Approval Date: February 10, 2010

E - 2

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. **QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).

E. **MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex HIG Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.
3. Notice of Acceptance No. **08-0520.08** issued to Solutia Inc. for their "**Vanceva Composites Glass Interlayer**" dated 7/17/08, expiring on 12/11/13.

F. **STATEMENTS**
1. Statement letter of conformance, dated October 22, 2009, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated October 22, 2009, signed and sealed by Robert L. Clark, P.E.
3. Laboratory compliance letter for Test Report No. **FTL- 4921**, issued by Fenestration Testing Laboratory, Inc., dated June 26, 2006, signed and sealed by Edmundo Largaespada, P.E.
4. Proposal No. **08-1891** issued by BCCO, dated January 26, 2009, signed by Ishaq Chanda, P.E.

G. **OTHER**
1. Notice of Acceptance No. **07-0103.02**, issued to PGT Industries for their Series FD-750 Outswing Aluminum French Door w/Sidelites – L.M.I., approved on 03/15/07 and expiring on 02/24/10.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-1028.10
Expiration Date: February 24, 2015
Approval Date: February 10, 2010

E - 3

NOTES: OUTSWING IMPACT FRENCH DOOR(S) AND SIDE LITE(S)

1. GLAZING OPTIONS:
A. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .080 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM.
B. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM.
C. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT S'RENGTHENED GLASS WITH AN .075 VANCEVA INTERLAYER.
D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075 VANCEVA INTERLAYER.
E. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A..090 PVB, 3/16" HS).
F. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, 090 PVB, 3/16" HS).
G. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A..075 VANCEVA, 3/16" HS).
H. 7/8" LAMI I.G. CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .076 VANCEVA, 3/16" HS).

2. DESIGN PRESSURES: TABLE 1, SHEET 3.
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300-02.
⚠
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1200-02.

3. CONFIGURATIONS: X, O, XX, XO, OX, XXX, XXO, OXX, OXXO, XXXO, OXXX, OR OXXO WHERE O REPRESENTS EITHER THE NARROW JAMB OR FULL JAMB SIDE LITE. ANY TWO ADJACENT X UNITS CAN BE EITHER TWO SINGLE, X DOORS OR A DOUBLE, XX DOOR BOTH USING EITHER THE STANDARD OR THE LOW-RISE SILL. THE FRENCH DOOR ASSEMBLY BEAM IS USED TO ASSEMBLE X, XX, AND
O UNITS TO MAKE THE ABOVE CONFIGURATIONS.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 9 THRU 11.
⚠
5. SHUTTERS ARE NOT REQUIRED.

6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT. VERTICAL ASSEMBLY BEAM SEAMS SEALED ON THE INTERIOR AND EXTERIOR WITH CONTRACTOR'S SEALANT.

7. REFERENCES: TEST REPORTS: FTL-4311, FTL-4312, FTL-4315, FTL-4527, FTL-4528, FTL-4529, FTL-4530, FTL-4921 AND FTL-5941..
⚠ ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
AAMA-2005 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
⚠

NOA DRAWING MAP

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date: Feb 24, 2015
By: Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

ADDED NOTES/DIAGRAMS FOR LOW RISE SILL
NO CHANGES THIS SHEET
49/08

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

Description: GENERAL NOTES AND DRAWING MAP
Job/Address: 10700 | Scale: FULL | Sheet: 1 of 12 | Drawing No.: 8000-11 | Rev.: D

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

UPDATE TABLE 1 TO ASTM E 1300-02
ADDED NOTES/DIAGRAMS FOR LOW RISE SILL
NO CHANGES THIS SHEET
49/08

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

Description: DESIGN PRESSURES
Job/Address: 10700 | Scale: NTS | Sheet: 3 of 12 | Drawing No.: 8000-11 | Rev.: D

Table 1. Maximum Design Pressures (psf)

Configuration		Width (in)	Allowed Glass Types	Height (in) 79 3/4" (6[8])		83 3/4" (7[0])		87 3/4"		91 3/4"		95 3/4" (8[0])	
French Door	X	37" (3[0])	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
	XX	71 3/4" (6[0])	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
Sidelite	Full Jamb	36 11/16"	A,E	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
		30 11/16"	C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0
	Narrow Jamb	33 11/16"	C,G	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+97.4	-97.4
		36 11/16"	A, B, E, F	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0	+70.0	-80.0
			C,G	+100.0	-100.0	+99.9	-99.9	+95.3	-95.3	+91.4	-91.4	+87.9	-87.9
			D,H	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0	+100.0	-100.0

OVERHANG LENGTH / OVERHANG HEIGHT / DOOR

⚠ NOTES:
1. IF USING THE OPTIONAL LOW-RISE SILL (PART 10, SHEET 8 OF 12), THE OVERHANG HEIGHT MUST BE GREATER THAN THE OVERHANG LENGTH (SEE DIAGRAM). IF NOT, THE MAXIMUM POSITIVE (+) DESIGN PRESSURE IS LIMITED TO +50.0 PSF FOR ALL STYLES AND SIZES OF THE DOOR AND ANY ADJOINING SIDELITES. (REF. FTL-5941)

Table 1a. Glass Type and Test Report Number

A - 7/16" LAMI (3/16"A..090 PVB, 3/16"HS)	FTL-4311, 4312, 4315
B - 7/16" LAMI (3/16"HS, 090 PVB, 3/16"HS)	UPGRADE FTL-4311, 4312, 4315
C - 7/16" LAMI (3/16"A..075 VANCEVA, 3/16"HS)	FTL-4527, 4528, 4529, 4530
D - 7/16" LAMI (3/16"HS, .075 VANCEVA, 3/16"HS)	UPGRADE FTL-4527, 4528, 4529, 4530
E - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A..090 PVB, 3/16"HS)	FTL-4311, 4312, 4315
F - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS..090 PVB, 3/16"HS)	UPGRADE FTL-4311, 4312, 4315
G - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"A..076 VANCEVA, 3/16"HS)	FTL-4527, 4528, 4529, 4530
H - 7/8" LAMI I.G. (3/16"T, 1/4" AIR SPACE, 3/16"HS..075 VANCEVA, 3/16"HS)	UPGRADE FTL-4527, 4528, 4529, 4530

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date: Feb 24, 2015
By: Miami-Dade Product Control Division

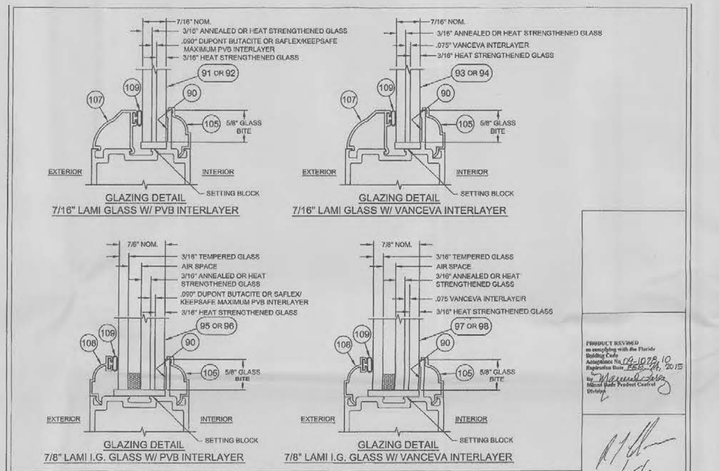
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

NO CHANGE THIS SHEET
NO CHANGE THIS SHEET
NO CHANGES THIS SHEET
49/08

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

Description: GLAZING DETAILS
Job/Address: 10700 | Scale: FULL | Sheet: 2 of 12 | Drawing No.: 8000-11 | Rev.: D



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date: Feb 24, 2015
By: Miami-Dade Product Control Division

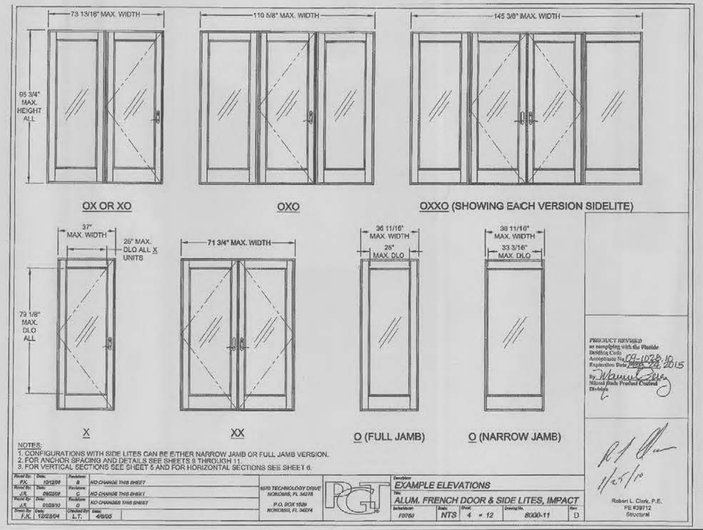
Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

NO CHANGE THIS SHEET
NO CHANGE THIS SHEET
NO CHANGES THIS SHEET
49/08

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

Description: ALUM. FRENCH DOOR & SIDE LITES, IMPACT
Job/Address: 10700 | Scale: NTS | Sheet: 4 of 12 | Drawing No.: 8000-11 | Rev.: D



NOTES:
1. CONFIGURATIONS WITH SIDE LITES CAN BE EITHER NARROW JAMB OR FULL JAMB VERSION.
2. FOR ANCHOR SPACING AND DETAILS SEE SHEETS 9 THROUGH 11.
3. FOR VERTICAL SECTIONS SEE SHEET 5 AND FOR HORIZONTAL SECTIONS SEE SHEET 6.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date: Feb 24, 2015
By: Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:
F.K.	12/23/04	L.T.

NO CHANGE THIS SHEET
NO CHANGE THIS SHEET
NO CHANGES THIS SHEET
49/08

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1659
NOKOMIS, FL 34274

Description: EXAMPLE ELEVATIONS
Job/Address: 10700 | Scale: NTS | Sheet: 4 of 12 | Drawing No.: 8000-11 | Rev.: D

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

REVIEWED — NOT APPROVED
REVIEWED AS NOTED — REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SAU
IN-SITE DESIGN GROUP, INC
DATE: 7/9/10

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7-9-10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL
JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

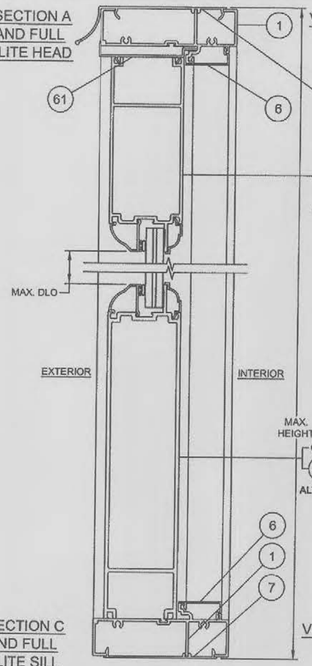
Date Of Issue
JULY12-10

PRODUCT APPROVALS

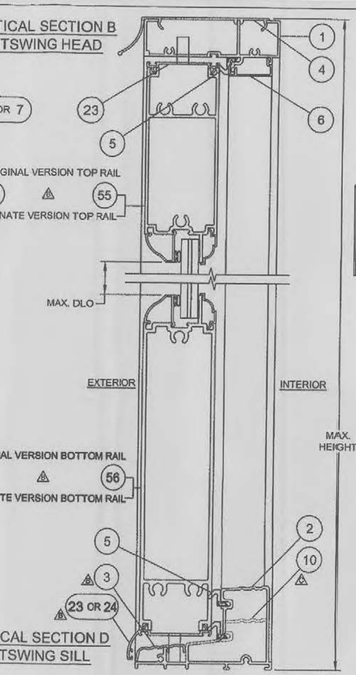
A-11.1

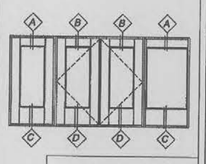
1 | EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - FRENCH DOOR

VERTICAL SECTION A
NARROW AND FULL JAMB SIDE LITE HEAD



VERTICAL SECTION B
OUTSWING HEAD





VERTICAL SECTION C
NARROW AND FULL JAMB SIDE LITE SILL

VERTICAL SECTION D
OUTSWING SILL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB. 24, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

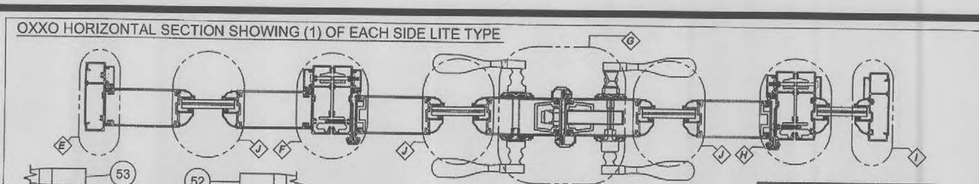
REVISE ITEM 5. SHOW ALTERNATE TOP AND BOTTOM RAIL EXTRUSION.
ADDED LOW RISE SILL
NO CHANGES THIS SHEET

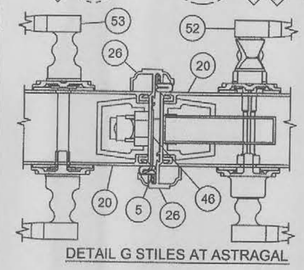
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1629
NOKOMIS, FL 34274

Description: VERTICAL SECTIONS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

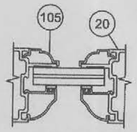
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	1/2	5 of 12	8000-11	D

OXXO HORIZONTAL SECTION SHOWING (1) OF EACH SIDE LITE TYPE

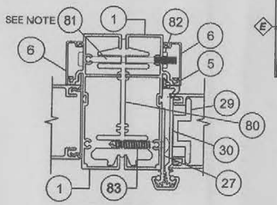




DETAIL G STILES AT ASTRAGAL



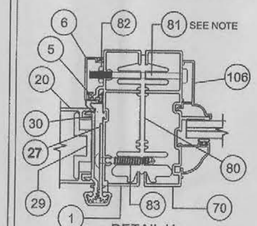
DETAIL J
SLAB AT
GLASS BED



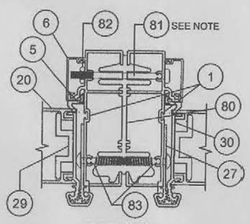
DETAIL F
FULL JAMB SIDE LITE
(AT HINGE JAMB)

NOTE: ASSEMBLY HARDWARE QTY (3), 11" FROM TOP & BOTTOM AND ONE AT MIDSPAN

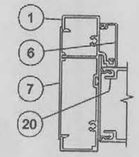
INTERIOR
EXTERIOR



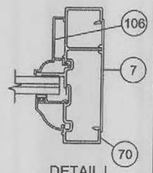
DETAIL H
NARROW JAMB SIDE LITE
(AT HINGE JAMB)



DETAIL K
HINGE JAMB TO HINGE JAMB
(NOT SHOWN ABOVE)



DETAIL E
JAMB, FULL JAMB
SIDE LITE



DETAIL I
JAMB, NARROW
JAMB SIDE LITE

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB. 24, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

NO CHANGE THIS SHEET
NO CHANGES THIS SHEET
NO CHANGES THIS SHEET

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

Description: HORIZONTAL SECTION DETAILS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	1/2	6 of 12	8000-11	D

FD750 DOOR(S)

ITEM	DWG#	DESCRIPTION	PGT#
		FRAME KIT PARTS	
1	8006	FRAME - HEAD & HINGE JAMB	68006
2	8003A	OUT-SWING SILL	68003A
3	8004C	OUT-SWING SILL COVER	68004C ⚠
4	8008	DRIP CAP	68008
5	.....	HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UB3337TS500
6	8007	SCREW COVER	68007
7	8009	INSTALL PLATE	68009
8	.....	FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
9	8032	ASTRAGAL END SEAL	68032
10	8056	OUT-SWING SILL (LOW RISE)	68056 ⚠
		DOOR PANEL	
5	.....	HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UB3337TS500
20	8012	STILE	68012
21	8014	TOP RAIL, (THREADED ROD DESIGN)	68014
22	8013	BOTTOM RAIL, (THREADED ROD DESIGN)	68013
23	8017	TOP SWEEP	68017
24	8016	BOTTOM SWEEP	68046
25	.....	SWEEP SCREWS, #4 X 1/2" PHIL PH	
26	8015	ASTRAGAL, ACTIVE & INACTIVE	68015
27	8021B	GEAR HINGE, JAMB SIDE	68021B
28	8020A	GEAR HINGE, COVER	68020A
29	8018	GEAR HINGE, BACK-UP PLATE	68018
30	8019A	GEAR HINGE, DOOR SIDE	68019A
31	8035	GEAR HINGE, BRASS RING	68035
32	.....	GEAR HINGE, SET-SCREW #6-32 x 1/4"	
33	.....	GEAR HINGE, MTG. SCREW #12 x 3/4" TRUSS HD.	
34	.....	GEAR HINGE, MTG. SCREW #12 x 1 1/2" TRUSS HD.	
35	.....	THREADED ROD 5/16-18 X 36"	6TRODA
36	.....	FLANGED HEX NUT 5/16-18	7995NUTA
37	8039	TRUSS CLAMP	6037BM
38	8043	S/B GEAR LATCH MECHANISM (ASHLAND)	
39	8030	LOCK BLOCK	68030
40	.....	LATCH ASSY SCREWS #8 X 2" SS PHILL TR HD	78X27PAX
41	8037	S/S SHOOT BOLT ROD (SULLIVAN)	
42	8045	STANDARD FLUSH BOLTS W/ SS ROD (SULLIVAN)	
43	8031	SHOOT BOLT GUIDE	48031
44	.....	SHOOT BOLT GUIDE & STRIKE SCREW 8-32 X 3/8" SS PHILL TR HD	78X38PFTX
45	8038R	RIGHT - STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED LEFT)	W5110-4381
46	8038L	LEFT - STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED RIGHT)	W5110-4451
47	.....	STRIKE PLATE SCREWS 8-32 X 3/8" SS PHILL TR HD	78X38PFTX
48	.....	STRIKE PLATE MIDDLE SCREW 6-24 X 1/2" PH	7612FPTX
49	8036	STRIKE PLATE AT HEAD & SILL	
50	.....	HEAD STRIKE SCREWS SS 8 X 1/2 PHILL FH	7888FAX
51	.....	STRIKE PLATE SCREWS @SILL SS 8 X 1/2 PHILL UNDERCUT FH	76X12PHUX
52	8041	ACTIVE TRIM SET (ASHLAND)	
53	8042	PASSIVE TRIM SET (ASHLAND)	
54	8044	STAINLESS STEEL PASSIVE LOCK GEAR (ASHLAND)	
55	8014A	TOP RAIL (LAG BOLT DESIGN)	68014A ⚠
56	8013A	BOTTOM RAIL (LAG BOLT DESIGN)	68013A ⚠
57	.....	5/16" x 2 1/2" LAG BOLTS	7516LBOLTX ⚠

FD750 FULL JAMB SIDE LITE

ITEM	DWG #	DESCRIPTION	PGT#
1	8006	FRAME - HEAD, SILL & JAMB	68006
4	8008	DRIP CAP	68008
6	8007	SCREW COVER	68007
7	8009	INSTALL PLATE	68009
8	.....	FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
21	8014	TOP RAIL	68014
22	8013	BOTTOM RAIL	68013
35	.....	THREADED ROD 5/16-18 X 36"	6TRODA
36	.....	FLANGED HEX NUT 5/16-18	7995NUTA
37	8039	TRUSS CLAMP	6037BM
60	.....	#8 X 3/4" PH SQ DRIVE TEK SCREW	78X34PSTW
61	8028	SIDE LITE HEAD TRIM	68028
70	8010	FRAME, JAMB	68010

FD750 NARROW JAMB SIDE LITE

ITEM	DWG #	DESCRIPTION	PGT#
1	8006	FRAME - HEAD & SILL	68006
4	8008	DRIP CAP	68008
6	8007	SCREW COVER	68007
7	8009	INSTALL PLATE	68009
8	.....	FRAME ASSEMBLY SCREW #8 X 1" PH QUAD	781PQA
21	8014	TOP RAIL	68014
22	8013	BOTTOM RAIL	68013
35	.....	THREADED ROD 5/16-18 X 36"	6TRODA
36	.....	FLANGED HEX NUT 5/16-18	7995NUTA
37	8039	TRUSS CLAMP	6037BM
60	.....	#8 X 3/4" PH SQ DRIVE TEK SCREW	78X34PSTW
61	8028	SIDE LITE HEAD TRIM	68028
62	8029	SIDE LITE JAMB TRIM	68029

ASSEMBLY KIT

80	8033B	FRENCH DOOR ASSEMBLY BEAM	68033B
81	.....	#10-24 X 2 1/2" PH SCREW	
82	.....	#10-24 HEX NUT	
83	.....	#12 X 1 1/2" TR HD TEK SCREW	
84	8055	SUBSILL (OPTIONAL)	68055 ⚠

GLASS, BEADS & SILICONE

90	.....	GLAZING SEALANT, DOW CORNING 899, 983, 995 OR IQUIVALENT	
91	.....	7/16" LAMINATED GLASS (3/16" ANN. .090 PVB, 3/16" HS)	
92	.....	7/16" LAMINATED GLASS (3/16" HS, .090 PVB, 3/16" HS)	
93	.....	7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" ANN. .075 VANCEVA, 3/16" HS)	
94	.....	7/16" LAMINATED GLASS (3/16" HS, .075 VANCEVA, 3/16" ES)	
95	.....	7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" ANN. .090 PVB, 3/16" HS)	
96	.....	7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" HS, .090 PVB, 3/16" HS)	
97	.....	7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" ANN. .075 VANCEVA, 3/16" HS)	
98	.....	7/8" LAMI I.G. (3/16" T, 1/4" SPACE, 3/16" HS, .075 VANCEVA, 3/16" HS)	
105	8022	BACK BEAD	68022
106	8026A	SL BACKBEAD	68026A
107	8023A	3/16" BEAD	68023A
108	8024A	3/8" IG BEAD	68024A
109	1224	VINYL BULB W.STP (THICK)	6TP247

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB. 24, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural

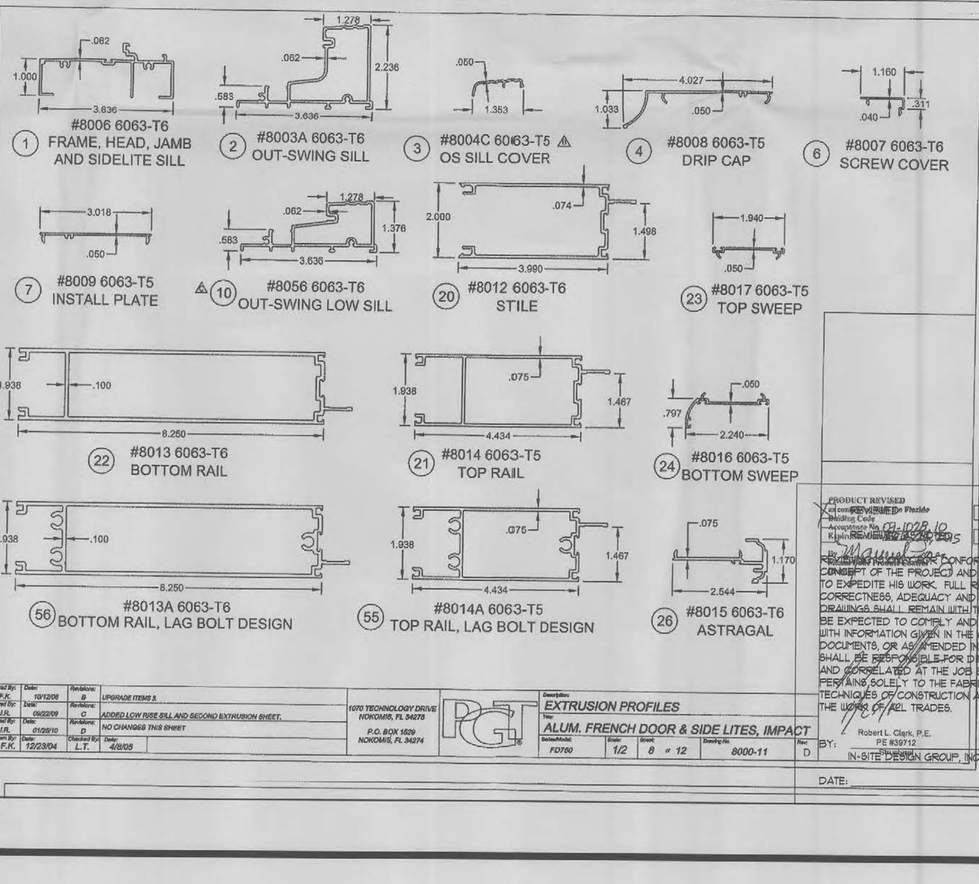
Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

UPGRADE ITEM 3. ADD ITEMS 66, 80, 81 AND 84.
ADDED LOW RISE SILL
NO CHANGES THIS SHEET

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

Description: PARTS LIST
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	NA	7 of 12	8000-11	D



1 #8006 6063-T6 FRAME, HEAD, JAMB AND SIDELITE SILL
2 #8003A 6063-T6 OUT-SWING SILL
3 #8004C 6063-T5 ⚠ OS SILL COVER
4 #8008 6063-T5 DRIP CAP
6 #8007 6063-T6 SCREW COVER
7 #8009 6063-T5 INSTALL PLATE
⚠ 10 #8056 6063-T6 OUT-SWING LOW SILL
20 #8012 6063-T6 STILE
23 #8017 6063-T5 TOP SWEEP
22 #8013 6063-T6 BOTTOM RAIL
21 #8014 6063-T5 TOP RAIL
24 #8016 6063-T5 BOTTOM SWEEP
56 #8013A 6063-T6 BOTTOM RAIL, LAG BOLT DESIGN
55 #8014A 6063-T5 TOP RAIL, LAG BOLT DESIGN
26 #8015 6063-T6 ASTRAGAL

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB. 24, 2015
By Miami-Dade Product Control Division

☐ NOT APPROVED
☐ REVISE & RESUBMIT

REVIEWED FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF REL TRADES.

BY: Robert L. Clark, P.E. PE #39712 IN-SITE DESIGN GROUP, INC

DATE: 7-9-10

Revised By:	Date:	Revisions:
F.K.	10/12/09	B
Revised By:	Date:	Revisions:
J.R.	09/22/09	C
Revised By:	Date:	Revisions:
J.R.	01/25/10	D
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

UPGRADE ITEM 3.
ADDED LOW RISE SILL AND SECOND EXTRUSION SHEET.
NO CHANGES THIS SHEET

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

Description: EXTRUSION PROFILES
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	1/2	8 of 12	8000-11	D

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7-9-10

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

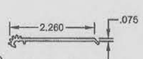
REVISIONS

Date Of Issue
JULY-12-10

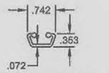
PRODUCT APPROVALS

A-11.2

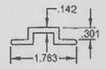
1 EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - FRENCH DOOR W/SIDE LITE



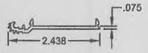
(27) #8021B 6063-T6
GEAR HINGE, JAMB



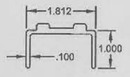
(28) #8020A 6063-T6
GEAR HINGE, COVER



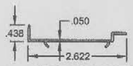
(29) #8018 6063-T5
HINGE, BACK-UP



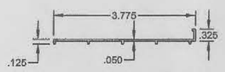
(30) #8019A 6063-T6
GEAR HINGE, DOOR



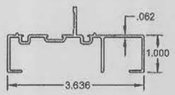
(37) #8039 6063-T6
TRUSS CLAMP



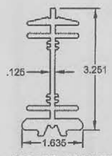
(61) #8028 6063-T5
SL HEAD TRIM



(84) #8056 6063-T4
SUBSILL, OPTIONAL

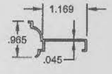


(70) #8010 6063-T6
NARROW SL JAMB

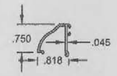


(80) #8033B 6105-T5
FD ASS'Y BEAM

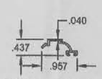
(105) #8022 6063-T5
BACKBEAD



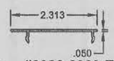
(106) #8026A 6063-T5
SL BACKBEAD



(107) #8023A 6063-T5
7/16" BEAD



(108) #8024A 6063-T5
I.G. BEAD



(62) #8029 6063-T5
SL JAMB TRIM

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB 28, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural
1/25/10

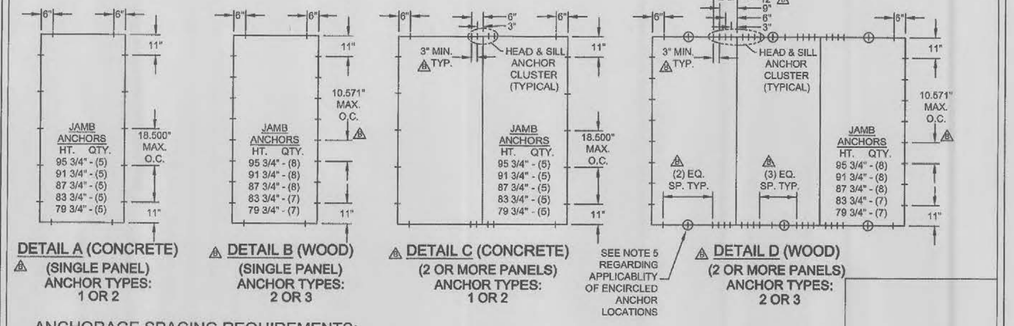
Revised By:	Date:	Revisions:	UPGRADE ITEMS 2.
F.K.	10/12/06	B	
Revised By:	Date:	Revisions:	NEW PAGE
J.R.	09/22/09	C	
Revised By:	Date:	Revisions:	NO CHANGES THIS SHEET
J.R.	01/26/10	D	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

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

PGT

Description: EXTRUSION PROFILES
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD760	1/2	9 of 12	8000-11	D



ANCHORAGE SPACING REQUIREMENTS:

1. DETAILS A AND B ABOVE REPRESENT ANCHORING OF SINGLE X DOORS, OR INDIVIDUAL SIDE LITE O PANELS WITH FULL OR NARROW WIDTH JAMBS. DETAILS C AND D ABOVE REPRESENT ANCHORING OF ANY MIXTURE OF DOUBLE XX DOORS, SINGLE X DOORS, NARROW JAMB OR FULL JAMB SIDE LITE PANELS, FOR MULTIPLE-PANEL INSTALLATIONS OF TWO OR MORE PANELS. UNLESS OTHERWISE STATED, DIMENSIONS OF DETAILS A THROUGH D ARE MAXIMUMS.

2. ANCHOR TYPES: 1 - 1/4" ELCO ULTRACON 2 -1/4" ELCO SS4 CRETE-FLEX 3 - #12 STEEL SCREW (G5)

⚠ CONCRETE SUBSTRATE USE TYPE 1 AT 1 3/8" MIN. EMBEDMENT OR TYPE 2 AT 1 3/4" EMBEDMENT. 1 3/4" MIN. EDGE DISTANCE FOR BOTH.
WOOD SUSTRATE - USE TYPE 2 OR TYPE 3 AT 1 3/8" MIN. EMBEDMENT.

3. SINGLE PANEL CONFIGURATIONS: (DETAIL A, CONCRETE SUBSTRATE. DETAIL B, WOOD SUBSTRATE)

⚠ HEAD AND SILL.....6" MAX. FROM FRAME CORNERS.
JAMBS.....11" MAX. FROM FRAME CORNERS, 18.500" MAX. O.C. CONCRETE SUBSTRATE (DETAIL A) AND 10.571" MAX. O.C. WOOD SUBSTRATE (DETAIL B).

4. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL C, CONCRETE SUBSTRATE)

HEAD AND SILL.....6" MAX. FROM FRAME CORNERS, AND AT 3" AND 6" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 4).
JAMBS....11" MAX. FROM FRAME CORNERS AND 18.500" MAX. O.C.

5. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL D, WOOD SUBSTRATE)

⚠ HEAD AND SILL.....6" MAX. FROM FRAME CORNERS, AND AT 3", 6", 9" AND 12" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 8). PLUS ENCIRCLED ANCHORS OUTSIDE CLUSTERS, REQUIRED ONLY ON PANEL WIDTHS OVER 27 3/4".
JAMBS.....11" MAX. FROM FRAME CORNERS AND 10.571" MAX. O.C.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB 28, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural
1/25/10

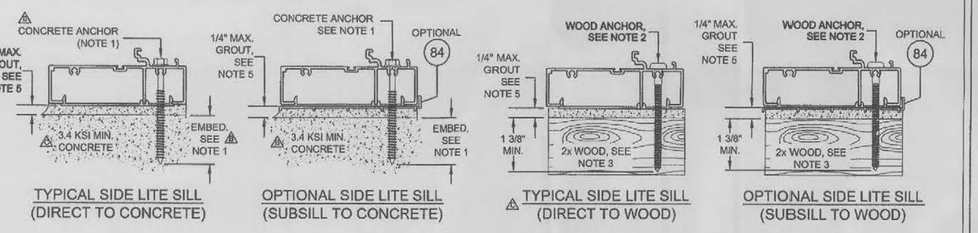
Revised By:	Date:	Revisions:	REMOVE NOTE PERTAINING TO ANCHORAGE OUTSIDE MIAMI DADE COUNTY. REVISE ANCHORAGE PER FBC2004 AND REVISE NOTES 2, 3 & 5.
F.K.	10/12/06	B	
Revised By:	Date:	Revisions:	NO CHANGE THIS SHEET
J.R.	09/22/09	C	
Revised By:	Date:	Revisions:	CHANGED "TAPCON" TO "ULTRACON".
J.R.	01/26/10	D	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

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

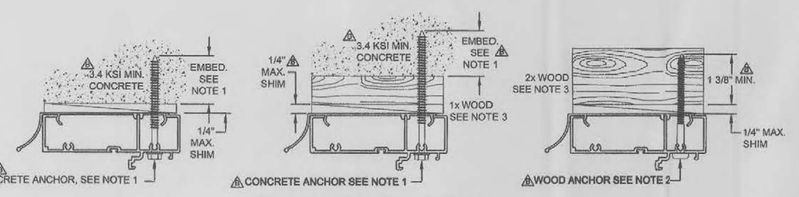
PGT

Description: ANCHORAGE SPACING
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD760	1/4	10 of 12	8000-11	D



EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)



TYPICAL DOOR & SIDE LITE HEAD

NOTES:
1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" ULTRACONS OR 1/4" SS4 CRETE-FLEX. MIN. DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". MIN. EMBEDMENT: 1/4" ULTRACON - 1 3/8", 1/4" SS4 CRETE-FLEX - 1 3/4".
2. FOR WOOD APPLICATIONS USE #12 STEEL SCREWS (G5) OR ELCO 1/4" SS4 CRETE-FLEX - 1 3/8" MIN. EMBEDMENT FOR EITHER.
3. WOOD BUCKS DEPICTED AS 1x ARE LESS THAN 1 1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
4. FOR ATTACHMENT TO ALUM: THE MATL SHALL BE A MIN. STRENGTH OF 6063-T5 AND A MIN. OF 1/8" THICK. THE ALUM. STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SMS WITH FULL ENGAGEMENT INTO THE ALUM. IF THESE CRITERIA ARE MET, THE PRESSURES SHOWN ON SHEET 3 AND ANCHORAGE SPACING FOR WOOD SHOWN ON SHEET 10 MAY BE USED.
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) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1028.10
Expiration Date FEB 28, 2015
By Miami-Dade Product Control Division

Robert L. Clark, P.E.
PE #39712
Structural
1/25/10

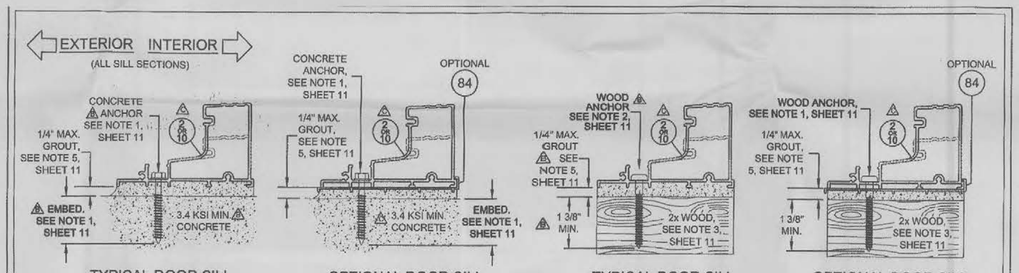
Revised By:	Date:	Revisions:	UPDATE ANCHORAGE AND NOTES
F.K.	10/12/06	B	
Revised By:	Date:	Revisions:	CHANGED MIN KSI OF CONCRETE. ADDED SIDELITE SILL DETAIL. REORGANIZED DETAILS.
J.R.	09/22/09	C	
Revised By:	Date:	Revisions:	CHANGED "TAPCON" TO "ULTRACON".
J.R.	01/26/10	D	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

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

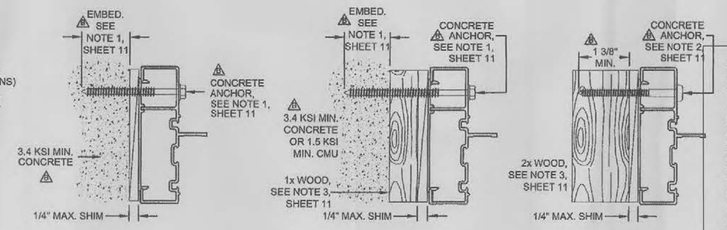
PGT

Description: ANCHORAGE DETAILS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	1/4	11 of 12	8000-11	D



INTERIOR
(ALL JAMB SECTIONS)
EXTERIOR



TYPICAL DOOR & SIDE LITE JAMB

APPROVED
NOV 4 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

☐ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO CHECK, APPROVE AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS AND AS REQUESTED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: IN-SITE DESIGN GROUP, INC. SLU
DATE: 7.9.10

Revised By:	Date:	Revisions:	NEW SHT. ADD SUBSILL AND ALTERNATE TOP & BOTTOM RAIL EXTRUSIONS.
F.K.	10/12/06	B	
Revised By:	Date:	Revisions:	CHANGED MIN KSI OF CONCRETE. ADDED LOW RISE SILL OPTION. REORGANIZED DETAILS.
J.R.	09/22/09	C	
Revised By:	Date:	Revisions:	NO CHANGES THIS SHEET
J.R.	01/26/10	D	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

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

PGT

Description: ANCHORAGE DETAILS
Title: ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
FD750	1/4	12 of 12	8000-11	D

Robert L. Clark, P.E.
PE #39712
Structural

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.9.10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL
JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS

A-11.3

1 EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - FRENCH DOOR W/SIDE LITE CONTINUED

MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1070 Technology Drive
Nokomis, FL 34274

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 C-740 Outswing Aluminum Casement Window -L.M.I.

APPROVAL DOCUMENT: Drawing No. **7045-8**, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **renews NOA # 05-1129.11** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P.E.**

MIAMI-DADE COUNTY APPROVED

NOA No. 08-0117.11
Expiration Date: May 22, 2013
Approval Date: May 15, 2008
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. **DRAWINGS**
1. Manufacturer's die drawings and sections.
2. Drawing No. **7045-8**, titled "Aluminum Casement Window, Impact", sheets 1 through 13 of 13, dated 12/17/02 with revision "D" dated 06/23/05, prepared by manufacturer, signed and sealed by Lucas A. Turner, P.E.

B. **TESTS**
1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 4608** dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 05-1129.11)
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 4607** dated 05/10/05, signed and sealed by Edmundo Largaespada, P.E.
(Submitted under NOA# 05-1129.11)
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3729** dated 2/28/03, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)"
4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of two outswing aluminum casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3587** dated 10/8/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0117.11
Expiration Date: May 22, 2013
Approval Date: May 15, 2008

E - 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of one outswing aluminum casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3582** dated 10/3/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)
6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC,TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of three aluminum outswing casement windows, prepared by Fenestration Testing Laboratory, Test Report No. **FTL 3580** dated 10/3/02, signed and sealed by Joseph Chan, P.E.
(Submitted under NOA# 03-0611.02)

C. **CALCULATIONS**
1. Revised Anchor Calculations and structural analysis, prepared by manufacturer, dated 11/21/05, signed and sealed by Lucas A. Turner, P.E. **Complies w/ASTM E 1300-98**

D. **QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).

E. **MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB Interlayer**" dated 01/05/06, expiring on **12/11/10**.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex HIG Clear or colored Interlayer**" dated 05/04/06, expiring on 05/21/11.

F. **STATEMENTS**
1. Statement letter of conformance, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.
2. Statement letter of no financial interest, dated 12/19/02, signed and sealed by Robert L. Clark, P.E.

G. **OTHER**
1. Notice of Acceptance No. **05-1129.11**, issued to PGT Industries for their Series C-740 Aluminum Casement Window – L.M.I., approved on 02/23/06, expiring on 05/22/08.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0117.11
Expiration Date: May 22, 2013
Approval Date: May 15, 2008

E -2

NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS:
A. 5/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
B. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
C. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
D. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INTERLAYER OF SOLUTIA OR DUPONT PVB.
E. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" HEAT STRENGTHENED GLASS AND (1) 5/16" LAMINATED COMPONENT WITH A 3/8" AIR SPACE. 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.
F. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.
G. 13/16" I.G. GLASS COMPRISED OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) 7/16" LAMINATED COMPONENT WITH AN AIR SPACE. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 SOLUTIA OR DUPONT PVB INTERLAYER.
2. CONFIGURATIONS: X, XX, XO, OX, XOX AND O
3. DESIGN PRESSURE RATINGS / COMPARATIVE ANALYSIS TABLES:
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98.
C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
D. FOR "X" CONFIGURATIONS SEE SHEET 5.
E. FOR "XX" CONFIGURATIONS SEE SHEET 6.
F. FOR ¼-½-¼ "XOX" & "O" CONFIGURATIONS SEE SHEET 7.
G. FOR ⅓-⅓-⅓ "XOX" & "XO" OR "OX" CONFIGURATIONS SEE SHEET 8.
H. FOR UNEQUAL LITE "XOX, "XO" & "OX" CONFIGURATIONS SEE SHEET 9.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 3, 4 AND 13 FOR ADDITIONAL ANCHORAGE INFORMATION.
HEAD & SILL: MAX. 4" FROM CORNERS
MAX. 4" & 7" ON EACH SIDE OF MEETING RAILS
MAX. 14 1/2" SPACING ON VENTS
MAX. 13" SPACING ON FIXED LITES
(2) ANCHORS 3" APART AT MID-SPAN ON FIXED LITE ONLY
JAMBS: MAX. 4" FROM CORNERS
MAX. 13" SPACING
(2) ANCHORS 3" APART AT MID-SPAN
SEE SHEET 13 FOR APPROVED ANCHORS. 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX MAY BE USED IN CONCRETE OR WOOD APPLICATIONS TO ACHIEVE THE DESIGN PRESSURES SHOWN IN SHEETS 5 THROUGH 9. SEE SHEETS 5 THROUGH 9 FOR DESIGN PRESSURE LIMITATIONS WHEN ANCHORING WITH #12 SCREWS.
5. SHUTTER REQUIREMENT: NONE REQUIRED
6. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
7. REFERENCE TEST REPORTS: FTL-3580, FTL-3582, FTL-3587, FTL-3729, FTL4607 AND FTL-4608.

CONFIGURATIONS OPTIONS
UNEQUAL LITES

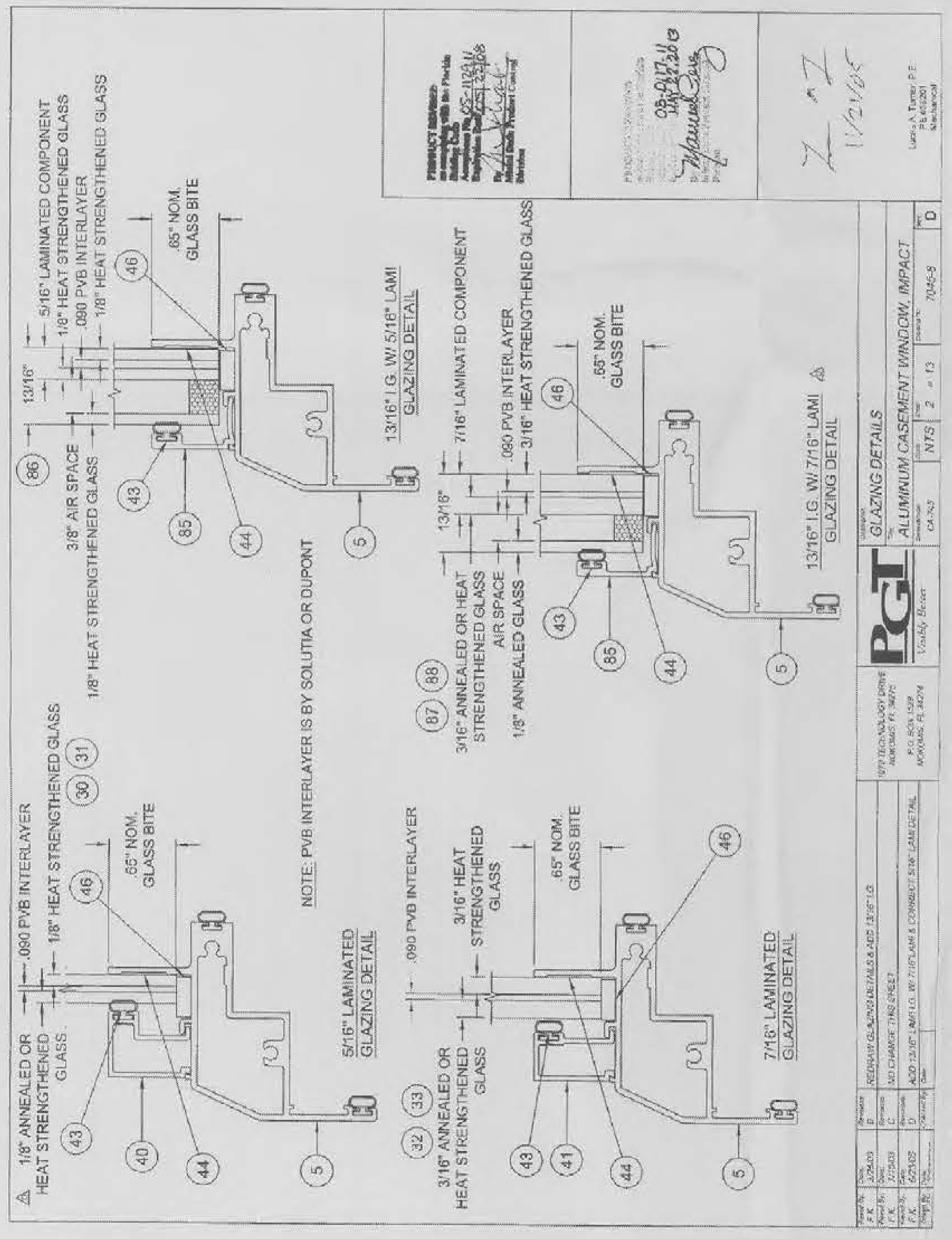
NOA DRAWING TABLE OF CONTENTS

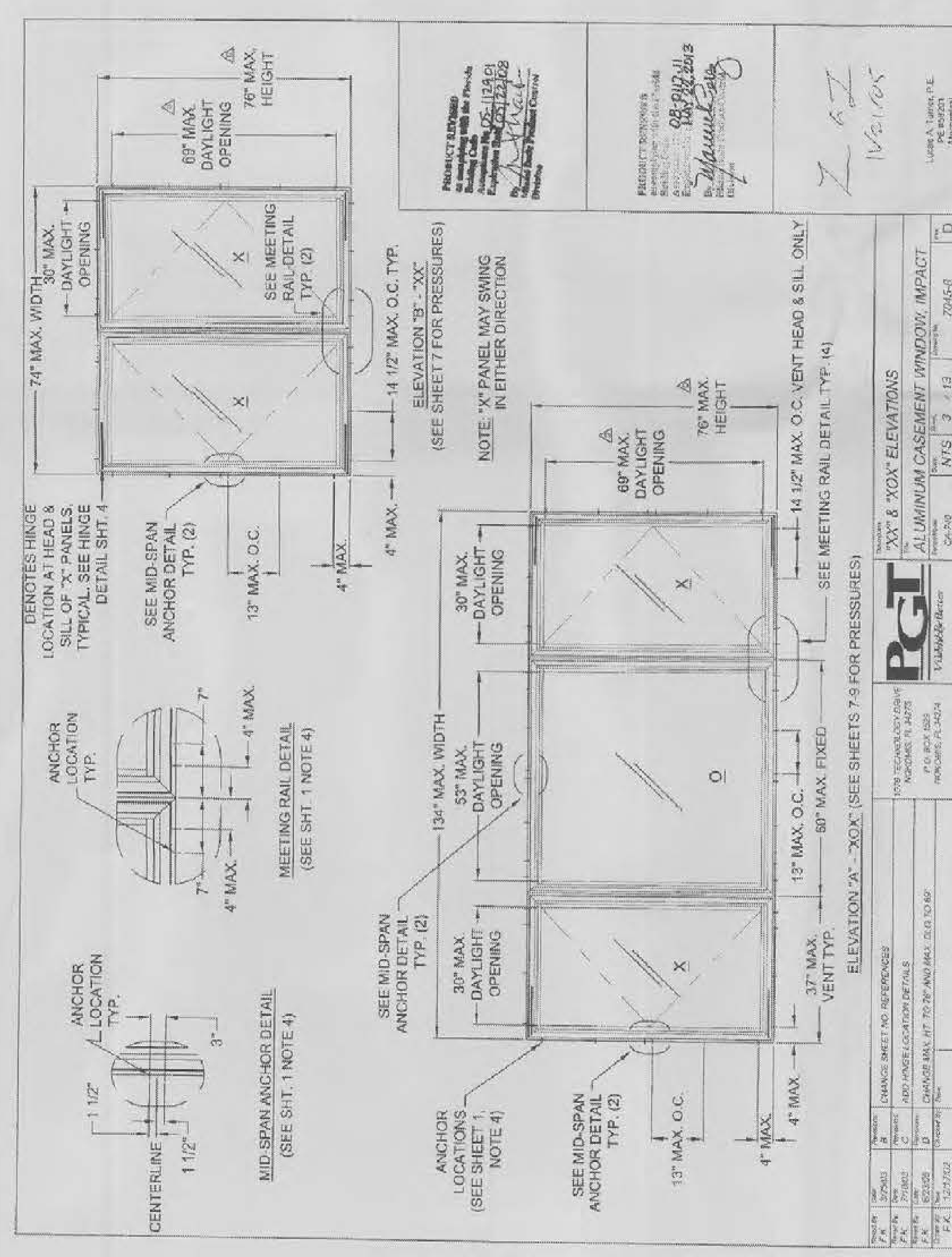
PRODUCT REVISED as complying with the Florida Building Code. Acceptance No. 05-1129.11 Expiration Date 05/22/08. Miami Dade Product Control Division

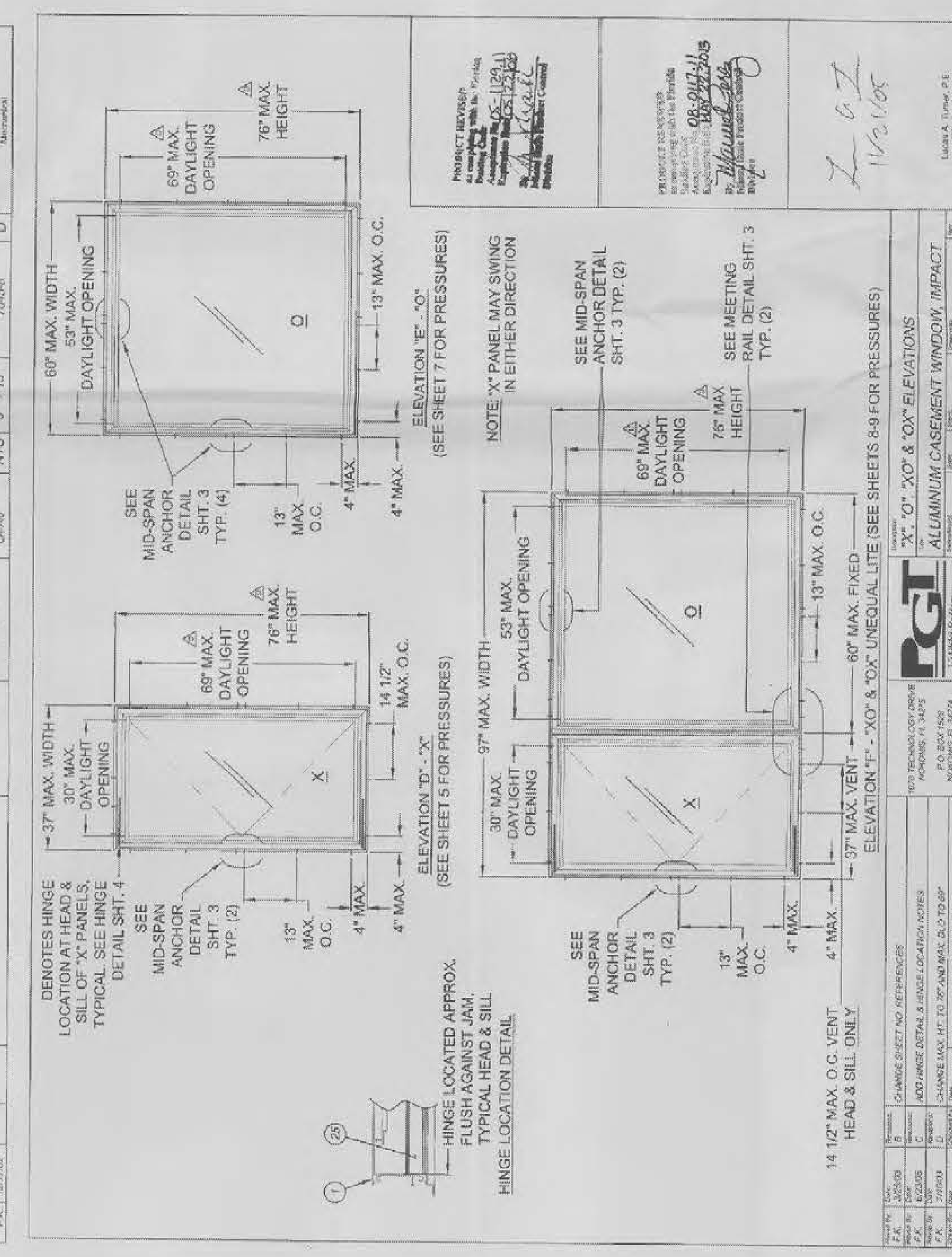
PRODUCT RENEWED as complying with the Florida Building Code. Acceptance No. 08-0117.11 Expiration Date MAY 22, 2013. Miami Dade Product Control Division

F.K. 3/25/03	B	ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 2	
F.K. 7/10/03	C	NO CHANGE THIS SHEET	
F.K. 6/23/05	D	ADD 76" HT., GLASS TYPES F AND G. REVISE ANCHORAGE	
F.K. 12/17/02			

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
P.O. BOX 1529 NOKOMIS, FL 34274
PGT Visibly Better
NOTES AND TABLE OF CONTENTS
ALUMINUM CASEMENT WINDOW, IMPACT
CA-740 | NTS | 1 of 13 | 7045-8 | D
Lucas A. Turner, P.E. PE #58201 Mechanical







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JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA STRUCTURAL

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SLU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

Date Of Issue
JULY 12-10

PRODUCT APPROVALS
A-11.4

1 EXTERIOR WINDOW MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - CASEMENT

COMPARATIVE ANALYSIS TABLE 1. "X" WINDOWS. TEST REPORTS: FTL-3582, FTL-3587, FTL-3729

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A, .090, 1/8"HS) B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)

"X" WIDTH		26 NEG	26 POS	31 NEG	31 POS	36 NEG	36 POS	38 3/8 NEG	38 3/8 POS	43 NEG	43 POS	48 NEG	48 POS	50 5/8 NEG	50 5/8 POS	54 NEG	54 POS	57 NEG	57 POS	60 NEG	60 POS	63 NEG	63 POS	66 NEG	66 POS	69 NEG	69 POS	72 NEG	72 POS
19 1/8	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
24	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-89.6	70.0	-86.3	70.0	-84.2	70.0	-83.2	70.0	-81.7	70.0
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
26 1/2	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-83.6	70.0	-79.9	70.0	-75.4	70.0	-72.4	70.0	-69.9	69.9	-67.8	67.8	-66.2	66.2	-65.0	65.0	-63.7	63.7
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
30	A	-90.0	70.0	-90.0	70.0	-90.0	70.0	-87.4	70.0	-77.6	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4	-51.3	51.3	-49.8	49.8	-48.3	48.3
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0
32	A	-90.0	70.0	-90.0	70.0	-86.3	70.0	-81.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7	-45.6	45.6	-43.9	43.9	-42.2	42.2
	B,E	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-90.0	70.0	-87.8	70.0	-84.4	70.0
34	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.8	48.8	-45.2	45.2	-42.4	42.4						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
36	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						
37	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6						
	B,E	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0						

TABLE 2. "X" WINDOWS	TEST REPORTS: FTL-3580, FTL-3587	
GLAZING OPTION: C. 7/16" LAMI (3/16"A, .090, 3/16"HS)		
ALL "X" SIZES UP TO 37" WIDE x 63" HIGH AND ALL "X" SIZES UP TO 32" WIDE x 72" HIGH	-90.0	70.0

TABLE 2A. "X" WINDOWS	TEST REPORTS: FTL-4607, FTL-4608	
GLAZING OPTIONS: F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)		
ALL "X" SIZES UP TO 37" WIDE x 76" HIGH	-55.0	55.0

NOTES:
1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

PGT — PRESSURES- X CONFIG. WINDOWS — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 5 of 13 — 7045-8 — D

COMPARATIVE ANALYSIS TABLE 3. "XX" WINDOWS. TEST REPORTS: FTL-3582

GLAZING OPTION: A. 5/16" LAMI (1/8"A, .090, 1/8"HS)

"XX" WIDTH		26 NEG	26 POS	31 NEG	31 POS	36 NEG	36 POS	38 3/8 NEG	38 3/8 POS	43 NEG	43 POS	48 NEG	48 POS	50 5/8 NEG	50 5/8 POS	54 NEG	54 POS	57 NEG	57 POS	60 NEG	60 POS	63 NEG	63 POS
37	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
43	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
48	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
[illegible]	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
53 1/8	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-72.1	70.0	-69.5	69.5	-67.5	67.5
57	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-74.4	70.0	-69.6	69.6	-65.2	65.2	-63.0	63.0	-60.8	60.8	-58.0	58.0
60	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4
64	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7
68	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-65.5	65.5	-57.5	57.5	-54.9	54.9	-51.8	51.8	-48.6	48.6	-45.2	45.2	-42.4	42.4
72	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7
74	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6

TABLE 4. "XX" WINDOWS	TEST REPORTS: FTL-3582, FTL-3729	
GLAZING OPTIONS: B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)		
ALL "XX" SIZES UP TO 74" WIDE x 63" HIGH	-75.0	70.0

TABLE 5. "XX" WINDOWS	TEST REPORT: FTL-3580	
GLAZING OPTION: C. 7/16" LAMI (3/16"A, .090, 3/16"HS)		
ALL "XX" SIZES UP TO 74" WIDE x 63" HIGH	-90.0	70.0

TABLE 5A. "XX" WINDOWS	TEST REPORTS: FTL-3580, FTL-4607, FTL-4608	
GLAZING OPTIONS: C. 7/16" LAMI (3/16"A, .090, 3/16"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)		
ALL "XX" SIZES UP TO 74" WIDE x 76" HIGH	-55.0	55.0

NOTES:
1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

PGT — PRESSURES- XX CONFIG. WINDOWS — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 6 of 13 — 7045-8 — D

COMPARATIVE ANALYSIS TABLE 6. "O" & "1/4-1/2-1/4 XOX" WINDOWS. TEST REPORTS: FTL-3582, FTL-3729, FTL-4607, FTL-4608

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A, .090, 1/8"HS) B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) C. 7/16" LAMI (3/16"A, .090, 3/16"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)

"O" WIDTH	"XOX" WIDTH		HEIGHT 26–76 (NEG/POS)
36	72	A / B,E / C,F	[illegible]
37	74	A / B,E / C,F	[illegible]
38 1/2	79	A / B,E / C,F	[illegible]
42	84	A / B,E / C,F	[illegible]
45	90	A / B,E / C,F	[illegible]
48	96	A / B,E / C,F	[illegible]
50 1/2	101	A / B,E / C,F	[illegible]
53 1/8	106 3/8	A / B,E / C,F	[illegible]
54	108	A / B,E / C,F	[illegible]
55 1/2	111	A / B,E / C,F	[illegible]
57	114	A / B,E / C,F	[illegible]
58 1/2	117	A / B,E / C,F	[illegible]
60	120	A / B,E / C,F	[illegible]

TABLE 7. "O" & "1/4-1/2-1/4 XOX" WINDOWS	TEST REPORT: FTL-3580	
GLAZING OPTION: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS)		
ALL "O" SIZES UP TO 60" WIDE x 63" HIGH AND ALL "1/4-1/2-1/4 XOX" SIZES UP TO 120" WIDE x 63" HIGH	-90.0	70.0

TABLE 7A. "O" & "1/4-1/2-1/4 XOX" WINDOWS	TEST REPORTS: FTL-4607, FTL-4608	
GLAZING OPTIONS: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS) G. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"HS, .090, 3/16"HS)		
ALL "O" SIZES UP TO 60" WIDE x 76" HIGH AND ALL "1/4-1/2-1/4 XOX" SIZES UP TO 120" WIDE x 76" HIGH	-55.0	55.0

NOTES: 1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

PGT — PRESSURES- O & 1/4-1/2-1/4 XOX CONFIG. WINDOWS — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 7 of 13 — 7045-8 — D

COMPARATIVE ANALYSIS TABLE 8. "XO" OR "OX" & "1/3-1/3-1/3 XOX" WINDOWS. TEST REPORT: FTL-3582

GLAZING OPTION: A. 5/16" LAMI (1/8"A, .090, 1/8"HS)

"XO" WIDTH	"XOX" WIDTH		26 NEG	26 POS	31 NEG	31 POS	36 NEG	36 POS	38 3/8 NEG	38 3/8 POS	43 NEG	43 POS	48 NEG	48 POS	50 5/8 NEG	50 5/8 POS	54 NEG	54 POS	57 NEG	57 POS	60 NEG	60 POS	63 NEG	63 POS
37	55 1/2	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
[illegible]	[illegible]	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
48	72	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
49 1/3	74	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0
53 1/8	79 2/3	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-72.1	70.0	-69.5	69.5	-67.5	67.5
56	84	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.9	70.0	-67.7	67.7	-64.9	64.9	-62.7	62.7	-60.4	60.4
60	90	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-68.4	68.4	-63.9	63.9	-60.0	60.0	-58.5	58.5	-56.2	56.2	-53.4	53.4
64	96	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.1	70.0	-61.8	61.8	-58.9	58.9	-56.1	56.1	-53.8	53.8	-50.4	50.4	-47.7	47.7
67.333	101	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-75.0	70.0	-66.4	66.4	-58.2	58.2	-55.6	55.6	-52.6	52.6	-49.4	49.4	-45.9	45.9	-43.1	43.1
70.917	106 3/8	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-71.8	70.0	-61.8	61.8	-55.1	55.1	-51.9	51.9	-48.9	48.9	-45.8	45.8	-42.8	42.8	-40.3	40.3
72	108	A	-75.0	70.0	-75.0	70.0	-75.0	70.0	-70.4	70.0	-60.4	60.4	-54.3	54.3	-51.1	51.1	-47.9	47.9	-44.8	44.8	-42.2	42.2	-39.7	39.7
74	111	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	59.0	-52.8	52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5	-41.1	41.1	-38.6	38.6

TABLE 9. "XO" or "OX" & "1/3-1/3-1/3 XOX" WINDOWS	TEST REPORTS: FTL-3582, FTL-3729	
GLAZING OPTIONS: B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS)		
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 63" HIGH AND ALL "1/3-1/3-1/3 XOX" SIZES UP TO 111" WIDE x 63" HIGH	-75.0	70.0

TABLE 10. "XO" or "OX" & "1/3-1/3-1/3 XOX" WINDOWS	TEST REPORT: FTL-3580	
GLAZING OPTION: C. 7/16" LAMI (3/16"A, .090, 3/16"HS)		
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 63" HIGH AND ALL "1/3-1/3-1/3 XOX" SIZES UP TO 111" WIDE x 63" HIGH	-90.0	70.0

TABLE 10A. "XO" or "OX" & "1/3-1/3-1/3 XOX" WINDOWS	TEST REPORTS: FTL-3580, FTL-4607, FTL-4608	
GLAZING OPTIONS: C. 7/16" LAMI (3/16"A, .090, 3/16"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)		
ALL "XO" OR "OX" SIZES UP TO 74" WIDE x 76" HIGH AND ALL "1/3-1/3-1/3 XOX" SIZES UP TO 111" WIDE x 76" HIGH	-55.0	55.0

NOTES:
1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

PGT — PRESSURES- XO, OX, & 1/3-1/3-1/3 XOX WINDOWS — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 8 of 13 — 7045-8 — D

COMPARATIVE ANALYSIS TABLE 11. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS. TEST REPORTS: FTL-3580, FTL-3582, FTL-3729, FTL-4607, FTL-4608

GLAZING OPTIONS: A. 5/16" LAMI (1/8"A, .090, 1/8"HS) B. 5/16" LAMI (1/8"HS, .090, 1/8"HS) C. 7/16" LAMI (3/16"A, .090, 3/16"HS) E. 13/16" LAMI (1/8"HS, 3/8" SPACE, 5/16" LAMI-W/ 1/8"HS, .090, 1/8"HS) F. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"A, .090, 3/16"HS)

"XOX"	VENT	FIXED		HEIGHT 26–76 (NEG/POS)
69.264	19.125	31.014	A / B,E / C,F	[illegible]
86.919	24	36.919	A / B,E / C,F	[illegible]
95.973	27	42.973	A / B,E / C,F	[illegible]
108.649	30	48.649	A / B,E / C,F	[illegible]
115.882	32	51.882	A / B,E / C,F	[illegible]
122	33.687	54.627	A / B,E / C,F	[illegible]
123.135	34	55.135	A / B,E / C,F	[illegible]
128.006	34.781	58.418	A / B,E / C,F	[illegible]
130	35.896	58.208	A / B,E / C,F	[illegible]
130.378	36	58.378	A / B,E / C,F	[illegible]
134	37	60	A / B,E / C,F	[illegible]

"XO" & "OX" WINDOW WIDTHS EQUAL THE SUM OF THE VENT WIDTH AND THE FIXED WIDTH.

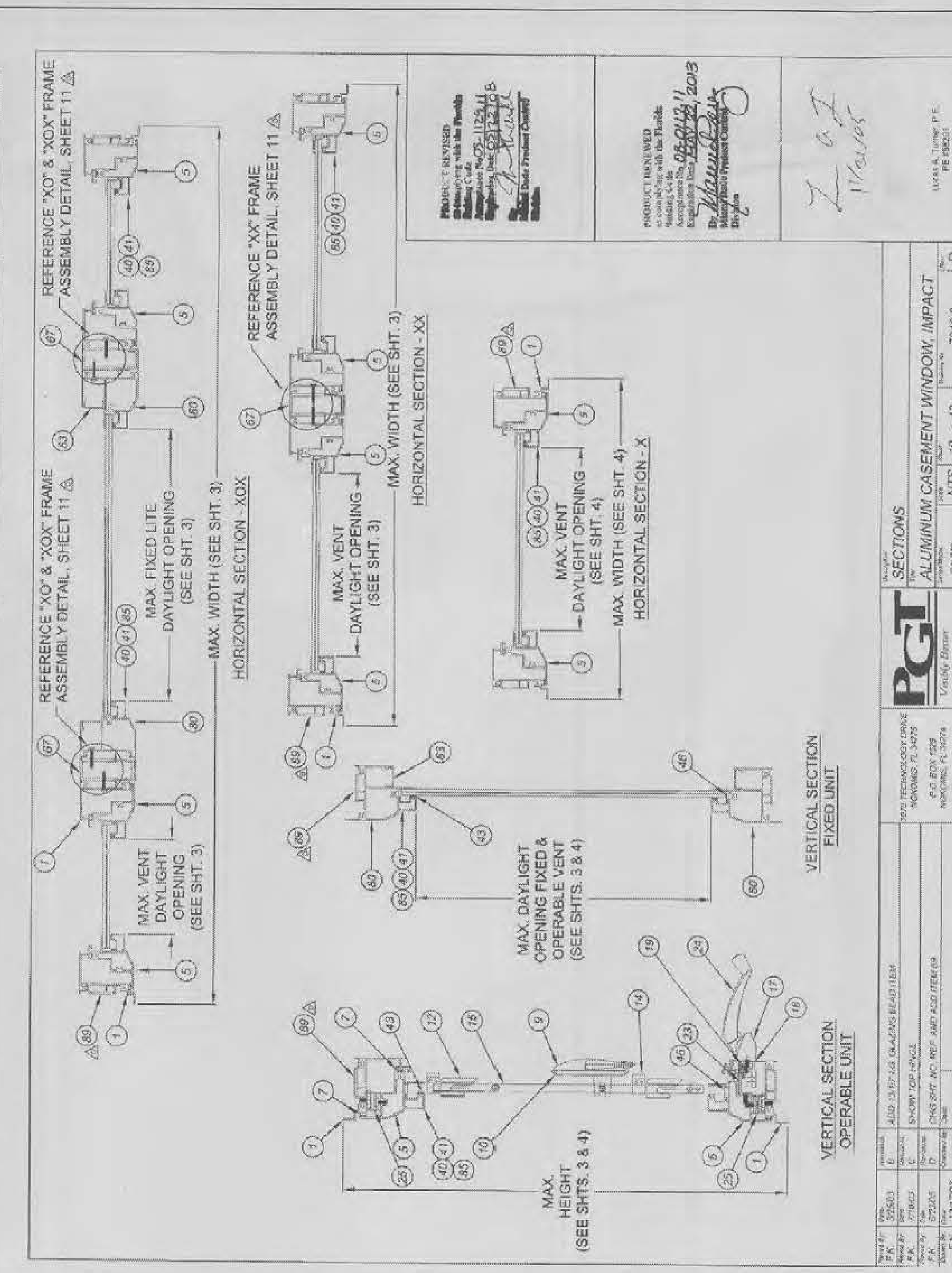
TABLE 12. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS	TEST REPORT: FTL-3580	
GLAZING OPTION: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS)		
ALL "XOX" SIZES UP TO 134" WIDE x 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 63" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH	-90.0	70.0

TABLE 12A. "XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS	TEST REPORTS: FTL-3580, FTL-4607, FTL-4608	
GLAZING OPTIONS: D. 7/16" LAMI (3/16"HS, .090, 3/16"HS) G. 13/16" LAMI (1/8"A, AIR SPACE, 7/16" LAMI-W/ 3/16"HS, .090, 3/16"HS)		
ALL "XOX" SIZES UP TO 134" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH AND ALL "XO" or "OX" SIZES UP TO 97" WIDE x 76" HIGH WITH 37" MAX. VENT WIDTH AND 60" MAX. FIXED WIDTH	-55.0	55.0

NOTES: 1. FOR INSTALLATIONS IN WOOD OR CONCRETE TO THE FULL DESIGN PRESSURES IN THE ABOVE TABLES, USE ELCO 1/4" TAPCONS OR 1/4" SS4 CRETE-FLEX ANCHORS.
2. IF INSTALLING WITH #12 SCREWS, DESIGN PRESSURE IS LIMITED TO 69.6 P.S.F.

UNEQUAL LITES

PGT — PRESSURES- UNEQUAL CONFIG. XO, OX & XOX — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 9 of 13 — 7045-8 — D



PGT — SECTIONS — ALUMINUM CASEMENT WINDOW, IMPACT — NTS — 10 of 13 — 7045-8 — D

APPROVED NOV 5 2010 CITY OF HOLLYWOOD, FLA.

- [x] REVIEWED
- [ ] NOT APPROVED
- [ ] REVIEWED AS NOTED
- [ ] REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SLU
IN-SITE DESIGN GROUP, INC
DATE: 7-9-10

1 EXTERIOR WINDOW MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - CASEMENT CON'D

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR: ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO
7-7-10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

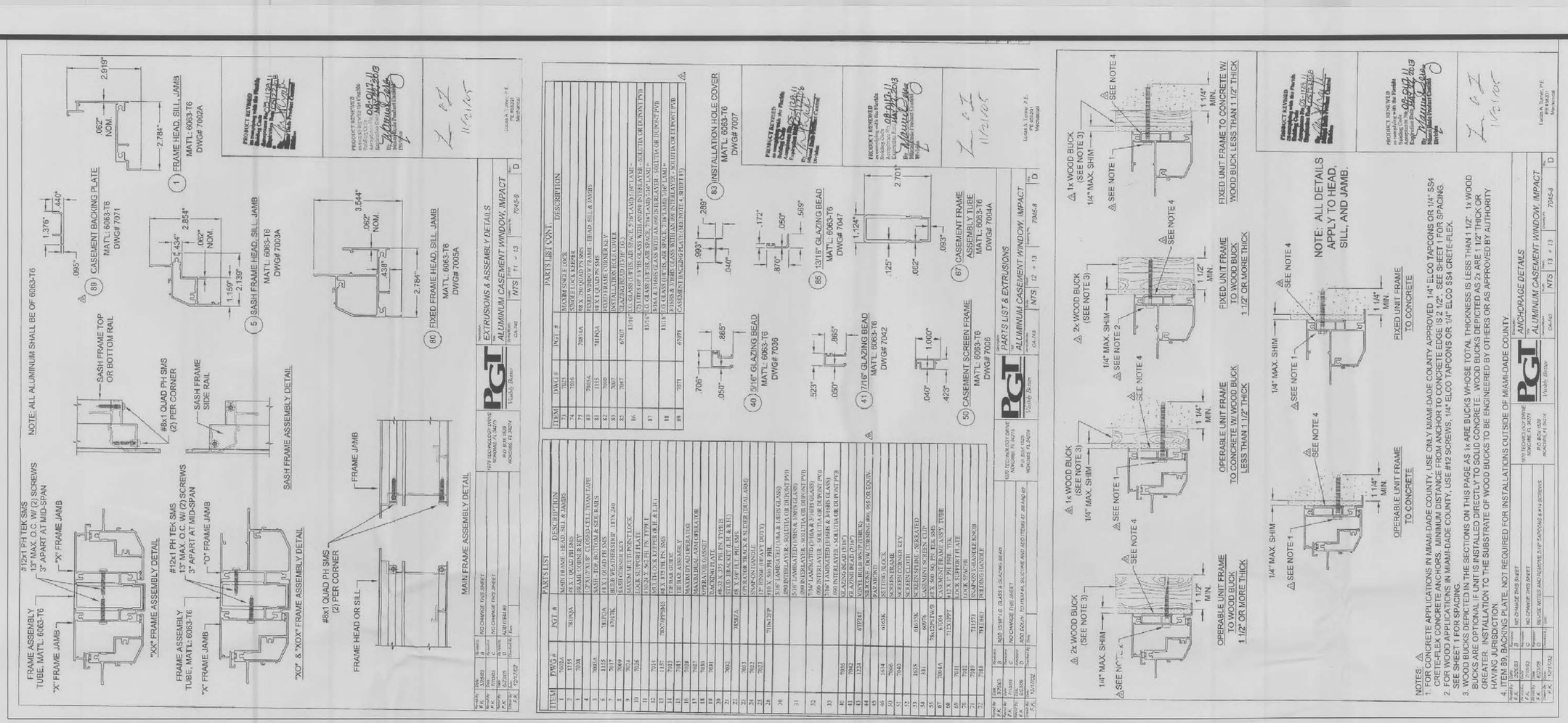
JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS

A-11.5



APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

REVIEWED
NOT APPROVED
REVIEWED AS NOTED
REVISE & RESUBMIT

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BY: SKU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

1 EXTERIOR WINDOW MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - CASEMENT CON'D

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO
7-9-10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

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ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
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PETITION NO: 10-C-17
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JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.6

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE-FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.miamidade.gov/buildingcode

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
1970 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "PW-701" Aluminum Fixed Window -LM1

APPROVAL DOCUMENT: Drawing No. **4259-4,** titled "Aluminum Picture Window, Impact", sheets 1 through 12 of 12, prepared by manufacturer, dated 7/14/03 and last revised revision "B" on dated 4/4/07, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Revised stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitation:
1. Max DLO =Width-3.75" and /or=Height-3.75". The Annealed glass to be on exterior side of laminate.
2. Max. corner distance for anchors is 8.5", except Hexagon & Octagon corner dist not to exceed 3". Max. corner distance for Nail (Integral Fin Frame) into wood substrate is 1" and max. OC spacing is 5".
3. The anchor installation shown is applicable without geographical limitation.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **renews** NOA # **07-0418.06** consists of this page 1 and evidence sheet E-1 as well as approval document mentioned above.

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

MIAMI-DADE COUNTY APPROVED

NOA No 08-1112.10
Expiration Date: February 19, 2014
Approval Date: January 08, 2009
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # **07-0418.06**)
1. Manufacturer's die drawings and sections.
2. Drawing No. **4259-4,** titled "Aluminum Picture Window, Impact", sheets 1 through 12 of 12, prepared by manufacturer, dated 7/14/03 and last revised revision "B" on dated 4/4/07, signed and sealed by Robert L. Clark, P.E.

B. TESTS (transferred from file # **07-0418.06**)
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water infiltration resistant Test
3) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of alum. Fixed windows of various shapes, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3835**, dated 07/18/03 and test report **FTL-3850**, dated 07/31/03, both signed and sealed by Joseph Chan, P.E.

C. CALCULATIONS
1. Anchor verification, comparative and structural analysis dated 04/13/2007, prepared, signed and sealed by Robert L. Clark, P.E.
2. Glazing complies w/ ASTME-1300-02/04

D. QUALITY ASSURANCE
1. Miami Dade /Building Code Compliance Office (BCCO).

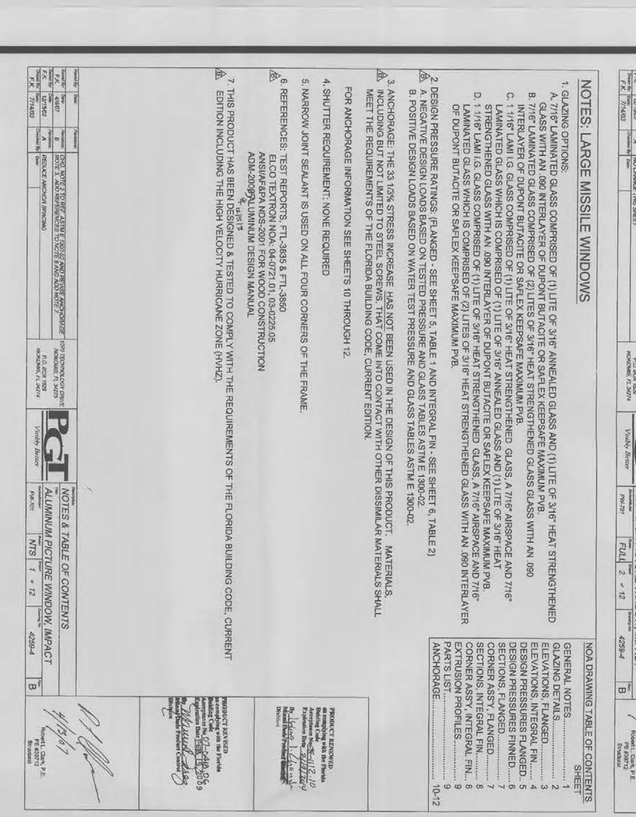
F. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. **06-0216.06** issued to Soluia Inc. for the "Saflex IIIG Clear or colored Interlayer", expiring on 05/21/11.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours for "DuPont Butacite ® PVB", expiring on 12/11/2010.

E. STATEMENTS
1. Statement letter of code compliance, "No change from previous approval and "No financial interest", dated 11-06-08 signed and sealed by Robert L. Clark, P.E.
2. Statement letter of Lab compliance, as a part of above referenced test reports

F. OTHER
1. This NOA **renews** NOA # **07-0418.06** expires on February 19, 2009.

Ishaq I. Chanda
Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 08-1112.10
Expiration Date: February 19, 2014
Approval Date: January 08, 2009

E - 1



7/16" LAMI GLAZING DETAIL
FLANGED OR INTEGRAL FIN FRAME
(FLANGE FRAME SHOWN)

1 1/16" LAMI I.G. GLAZING DETAIL
FLANGED OR INTEGRAL FIN FRAME
(INTEGRAL FIN FRAME SHOWN)

Revisions	Date	Drawn By
REVISED PER FTL#3835 & 3850 & NEW PRODUCT APPROVAL SYSTEM	10/30/03	E.F.
ADD FRAME O.D. DIMENSIONS AND UPDATE ANCHORAGE NOTE	04/4/07	E.F.
NO CHANGE THIS SHEET	12/19/03	E.F.
REVISED ANCHOR SPACING	5/4/05	E.F.
no	date	by

PRODUCT APPROVED
1970 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1098
NOKOMIS, FL 34274

PGT
TRADITIONAL Collection

GLAZING DETAILS
ALUMINUM PICTURE WINDOW, IMPACT
Product PW-701 | Scale: 3" = 1'-0" | Sheet: 4259-4 | Rev: B

NOA DRAWING TABLE OF CONTENTS

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NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS:
A. GLASS COMPOSED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
B. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS GLASS WITH AN .090 INTER-LAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
C. 1 1/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
D. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.

2. DESIGN PRESSURE RATINGS: (FLANGED - SEE SHEET 5, TABLE - I AND INTEGRAL FIN - SEE SHEET 6, TABLE 2)
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

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, CURRENT EDITION.

FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

4. SHUTTER REQUIREMENT: NONE REQUIRED

5. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.

6. REFERENCES: TEST REPORTS, FTL-3835 & FTL-3850
ALUMINUM STRUCTURES MANUAL, 2005 EDITION
ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION
ADM-2006 ALUMINUM DESIGN MANUAL

7. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

PRODUCT REVIEWED
Robert L. Clark, P.E.
Florida Registration No. 49337
Certificate of Authorization No. 6634
Expiration Date: February 28, 2009
Engineer of Record Company

PRODUCT REVIEWED
Ishaq I. Chanda, P.E.
Florida Registration No. 68324
Certificate of Authorization No. 28354
Expiration Date: February 28, 2009
Product Control Engineer

TABLE 1, DESIGN PRESSURES, FLANGED WINDOWS (DIMENSIONS ARE TIP-TO-TIP)

GLASS TYPES: A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16"HS) FTL-3835
B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16"HS) FTL-3835
C. 1 1/16" LAMI I.G., 3/16"HS, 7/16" SPACE, 7/16" LAMI (3/16"A, .090, 3/16" HS) FTL-3850
D. 1 1/16" LAMI I.G., 3/16"HS, 7/16" SPACE, 7/16" LAMI (3/16"HS, .090, 3/16" HS) FTL-3850

WINDOW "X" DIM	GLASS TYPE	WINDOW Y- DIMENSION									
		28.500		34.000		38.500		46.500		48.000	
48.000	A,B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	9.70 SQ.FT.		11.67 SQ.FT.		13.44 SQ.FT.		15.37 SQ.FT.		15.82 SQ.FT.	
54.500	A,B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	10.79 SQ.FT.		12.97 SQ.FT.		14.95 SQ.FT.		17.09 SQ.FT.		17.59 SQ.FT.	
60.000	A,B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	11.98 SQ.FT.		14.40 SQ.FT.		16.46 SQ.FT.		18.75 SQ.FT.		19.35 SQ.FT.	
65.500	A,B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	12.98 SQ.FT.		15.47 SQ.FT.		17.97 SQ.FT.		20.43 SQ.FT.		21.09 SQ.FT.	
71.000	A,B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	14.05 SQ.FT.		16.76 SQ.FT.		19.48 SQ.FT.		22.15 SQ.FT.		22.85 SQ.FT.	
76.500	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.3	-78.3	+78.0	-78.0
	B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	15.14 SQ.FT.		18.06 SQ.FT.		20.98 SQ.FT.		23.91 SQ.FT.		24.70 SQ.FT.	
82.000	A	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+74.5	-74.5	+73.1	-73.1
	B,C,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	16.23 SQ.FT.		19.36 SQ.FT.		22.48 SQ.FT.		25.63 SQ.FT.		26.48 SQ.FT.	
87.500	A	+80.0	-80.0	+78.0	-78.0	+70.0	-70.0	+70.0	-70.0	+67.0	-67.0
	B,C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.1	-78.1	+77.3	-77.3
	AREA	17.32 SQ.FT.		20.66 SQ.FT.		24.00 SQ.FT.		27.34 SQ.FT.		28.28 SQ.FT.	
93.000	A	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+63.9	-63.9	+62.4	-62.4
	C	+80.0	-80.0	+80.0	-80.0	+74.0	-74.0	+74.0	-74.0	+74.0	-74.0
	B,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	18.41 SQ.FT.		21.96 SQ.FT.		25.51 SQ.FT.		29.06 SQ.FT.		30.00 SQ.FT.	
95.000	A	+80.0	-80.0	+80.0	-80.0	+71.9	-71.9	+63.0	-63.0	+61.5	-61.5
	C	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+71.2	-71.2	+69.5	-69.5
	B,D	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	18.93 SQ.FT.		22.67 SQ.FT.		26.33 SQ.FT.		30.00 SQ.FT.		31.00 SQ.FT.	

NOTES:
1. ALL MAXIMUM SIZES SHOWN ON SHEET 3 ARE QUALIFIED TO THE PRESSURE OF A 12 SQ. FT. UNIT IN TABLE 1.
2. ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 1, OR TO THE PRESSURE FOR THE SMALLEST SHAPE, WHICHEVER IS LESS, WITH THE SAME WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.
3. SEE SHEET 10 THROUGH 12 FOR ANCHORAGE INFORMATION.

Revisions	Date	Drawn By
UPDATE DESIGN PRESSURES PER FTL#3835 & 3850 & NEW PRODUCT APPROVAL SYSTEM	10/30/03	E.F.
ADD FRAME O.D. DIMENSIONS AND UPDATE ANCHORAGE NOTE	04/4/07	E.F.
NO CHANGE THIS SHEET	12/19/03	E.F.
no	date	by

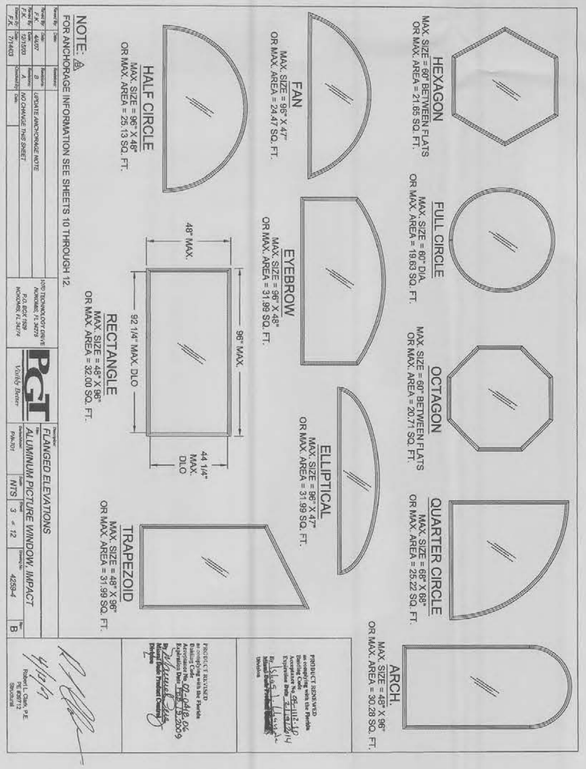
PRODUCT APPROVED
1970 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1098
NOKOMIS, FL 34274

PGT
TRADITIONAL Collection

FLANGED LIMIT DESIGN PRESSURES
ALUMINUM PICTURE WINDOW, IMPACT
Product PW-701 | Scale: NTS | Sheet: 3 - 12 | Sheet#: 4259-4 | Rev: B

PRODUCT REVIEWED
Robert L. Clark, P.E.
Florida Registration No. 49337
Certificate of Authorization No. 6634
Expiration Date: February 28, 2009
Engineer of Record Company

PRODUCT REVIEWED
Ishaq I. Chanda, P.E.
Florida Registration No. 68324
Certificate of Authorization No. 28354
Expiration Date: February 28, 2009
Product Control Engineer



NOTE:
FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

Revisions	Date	Drawn By
UPDATE ANCHORAGE NOTE	10/30/03	E.F.
ADD FRAME O.D. DIMENSIONS AND UPDATE ANCHORAGE NOTE	04/4/07	E.F.
NO CHANGE THIS SHEET	12/19/03	E.F.
REVISED ANCHOR SPACING	5/4/05	E.F.
no	date	by

PRODUCT APPROVED
1970 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1098
NOKOMIS, FL 34274

PGT
TRADITIONAL Collection

INTEGRAL FIN ELEVATIONS
ALUMINUM PICTURE WINDOW, IMPACT
Product PW-701 | Scale: NTS | Sheet: 4 - 12 | Sheet#: 4259-4 | Rev: B

NOTE:
FOR ANCHORAGE INFORMATION SEE SHEETS 10 THROUGH 12.

Revisions	Date	Drawn By
UPDATE ANCHORAGE NOTE	10/30/03	E.F.
ADD FRAME O.D. DIMENSIONS AND UPDATE ANCHORAGE NOTE	04/4/07	E.F.
NO CHANGE THIS SHEET	12/19/03	E.F.
REVISED ANCHOR SPACING	5/4/05	E.F.
no	date	by

PRODUCT APPROVED
1970 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1098
NOKOMIS, FL 34274

PGT
TRADITIONAL Collection

FLANGED ELEVATIONS
ALUMINUM PICTURE WINDOW, IMPACT
Product PW-701 | Scale: NTS | Sheet: 3 - 12 | Sheet#: 4259-4 | Rev: B

PRODUCT REVIEWED
Robert L. Clark, P.E.
Florida Registration No. 49337
Certificate of Authorization No. 6634
Expiration Date: February 28, 2009
Engineer of Record Company

PRODUCT REVIEWED
Ishaq I. Chanda, P.E.
Florida Registration No. 68324
Certificate of Authorization No. 28354
Expiration Date: February 28, 2009
Product Control Engineer

1 EXTERIOR WINDOW MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - FIXED WINDOW

I
D G
S

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7-9-10

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

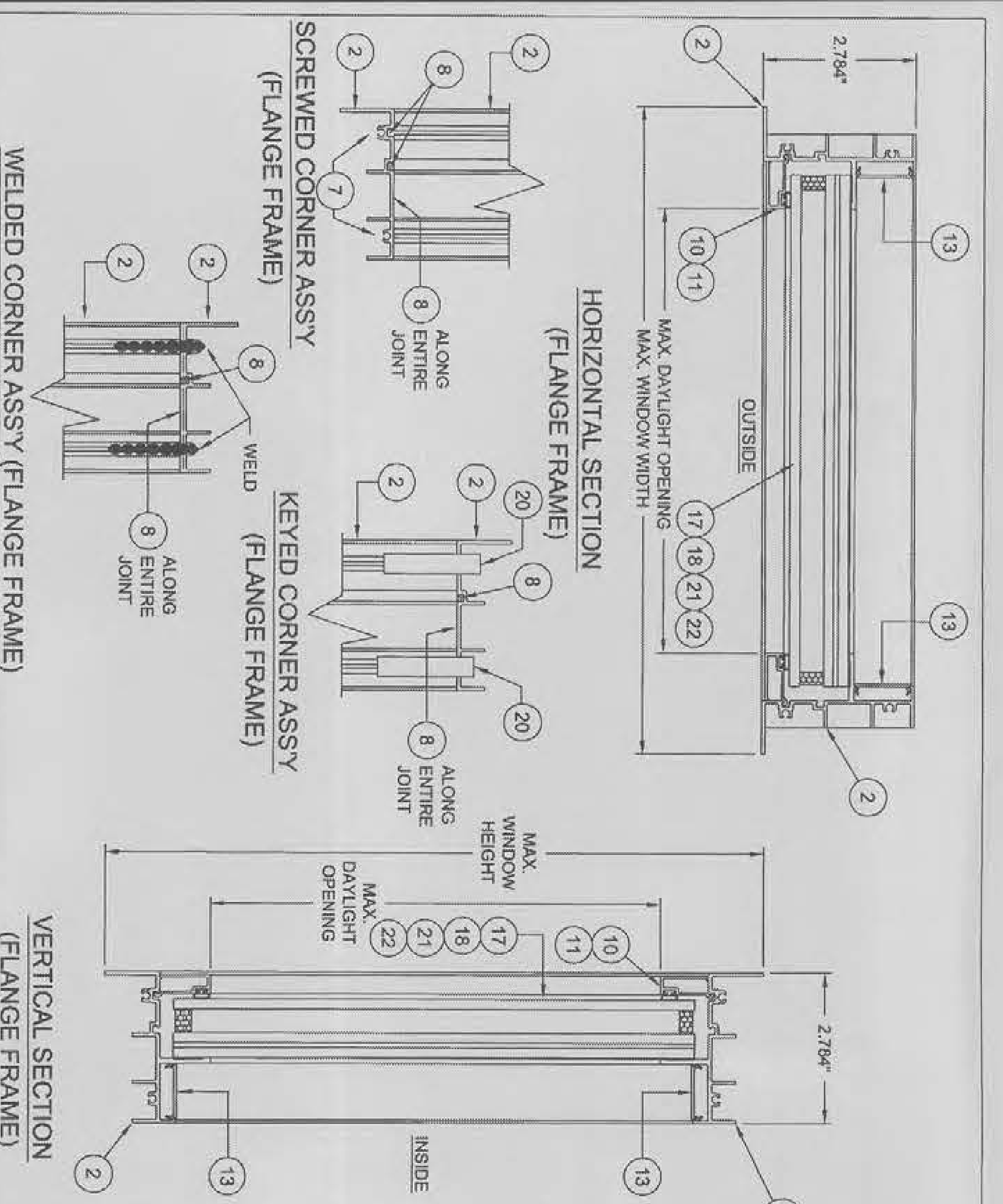
REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SLU
IN-SITE DESIGN GROUP, INC
DATE: 7-9-10

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.7

SECTIONS & CORNER ASS'Y, FLANGED



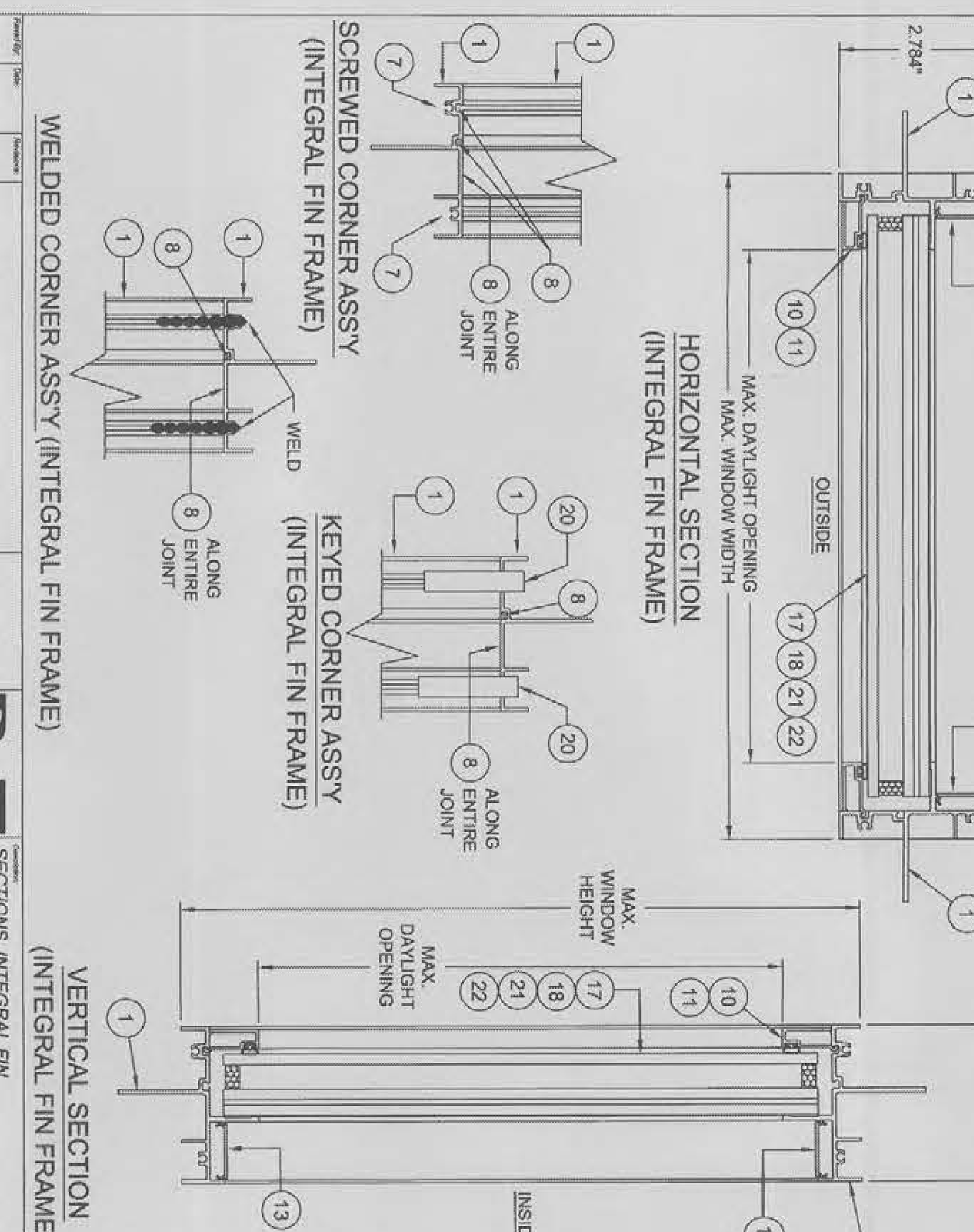
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274 — PGT Visibly Better — SECTIONS & CORNER ASS'Y, FLANGED — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — HALF — 7 of 12 — 4259-4 — B

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

SECTIONS, INTEGRAL FIN



PGT Visibly Better — SECTIONS, INTEGRAL FIN — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — HALF — 8 of 12 — 4259-4 — B

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

TABLE 2. DESIGN PRESSURES, INTEGRAL FIN WINDOWS (SIZES ARE BUCK DIMENSIONS)

GLASS TYPES:
A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS) FTL-3835
B. 7/16" LAMINATED GLASS (3/16HS, .090, 3/16HS) FTL-3835
C. 1 1/16" LAMI I.G. 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS) FTL-3850
D. 1 1/16" LAMI I.G. 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS) FTL-3850

WINDOW "X" DIM.	GLASS TYPE	WINDOW "Y" DIMENSION 28.500	34.000	39.500	45.000	46.500	48.000
49.000	A,B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	9.70 SQ.FT.	11.57 SQ.FT.	13.44 SQ.FT.	15.31 SQ.FT.	15.82 SQ.FT.	16.33 SQ.FT.
54.500	A,B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	10.79 SQ.FT.	12.87 SQ.FT.	14.95 SQ.FT.	17.03 SQ.FT.	17.60 SQ.FT.	18.17 SQ.FT.
60.000	A,B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	11.88 SQ.FT.	14.17 SQ.FT.	16.46 SQ.FT.	18.75 SQ.FT.	19.38 SQ.FT.	20.00 SQ.FT.
65.500	A,B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	12.96 SQ.FT.	15.47 SQ.FT.	17.97 SQ.FT.	20.47 SQ.FT.	21.15 SQ.FT.	21.83 SQ.FT.
71.000	A,B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	14.05 SQ.FT.	16.76 SQ.FT.	19.48 SQ.FT.	22.19 SQ.FT.	22.93 SQ.FT.	23.67 SQ.FT.
76.500	A	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+79.3 / -79.3	+78.0 / -78.0	+76.8 / -76.8
	B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	15.14 SQ.FT.	18.06 SQ.FT.	20.98 SQ.FT.	23.91 SQ.FT.	24.70 SQ.FT.	25.50 SQ.FT.
82.000	A	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+74.5 / -74.5	+73.1 / -73.1	+71.8 / -71.8
	B,C,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	16.23 SQ.FT.	19.36 SQ.FT.	22.49 SQ.FT.	25.63 SQ.FT.	26.48 SQ.FT.	27.33 SQ.FT.
87.500	A	+80.0 / -80.0	+80.0 / -80.0	+78.0 / -78.0	+70.0 / -70.0	+68.4 / -68.4	+67.0 / -67.0
	C	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+79.1 / -79.1	+77.3 / -77.3	+75.8 / -75.8
	B,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	17.32 SQ.FT.	20.66 SQ.FT.	24.00 SQ.FT.	27.34 SQ.FT.	28.26 SQ.FT.	29.17 SQ.FT.
93.000	A	+80.0 / -80.0	+80.0 / -80.0	+74.0 / -74.0	+65.5 / -65.5	+63.9 / -63.9	+62.4 / -62.4
	C	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+74.0 / -74.0	+72.2 / -72.2	+70.5 / -70.5
	B,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	18.41 SQ.FT.	21.96 SQ.FT.	25.51 SQ.FT.	29.06 SQ.FT.	30.03 SQ.FT.	31.00 SQ.FT.
96.000	A	+80.0 / -80.0	+80.0 / -80.0	+71.9 / -71.9	+63.0 / -63.0	+61.5 / -61.5	+60.0 / -60.0
	C	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+71.2 / -71.2	+69.5 / -69.5	+67.8 / -67.8
	B,D	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0	+80.0 / -80.0
	AREA	19.00 SQ.FT.	22.67 SQ.FT.	26.33 SQ.FT.	30.00 SQ.FT.	31.00 SQ.FT.	32.00 SQ.FT.

NOTES: B
1. ALL MAXIMUM SIZES SHOWN ON SHEET 4 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 2.
2. ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 2, OR TO THE PRESSURE FOR THE SMALLEST SQUARE OR RECTANGULAR SIZE IN TABLE 2, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.
3. INSTALLATION WITH NAILS IS THROUGH THE INTEGRAL FIN AS SHOWN ON SHEET 10. INSTALLATION WITH OTHER FASTENER TYPES ARE THROUGH THE FRAME. SEE ANCHORAGE DETAILS ON SHEETS 10 AND 11.

B — UPDATE DESIGN PRESSURES PER ASTM E 1300-02 AND NOTES. CLEAN UP TABLE 2 DESCRIPTION AND HEADINGS — A — CHANGE NOTE 1 ANCHORING WITH #12 SCREWS

PGT Visibly Better — INTEGRAL FIN UNIT DESIGN PRESSURES — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — NTS — 6 of 12 — 4259-4 — B

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

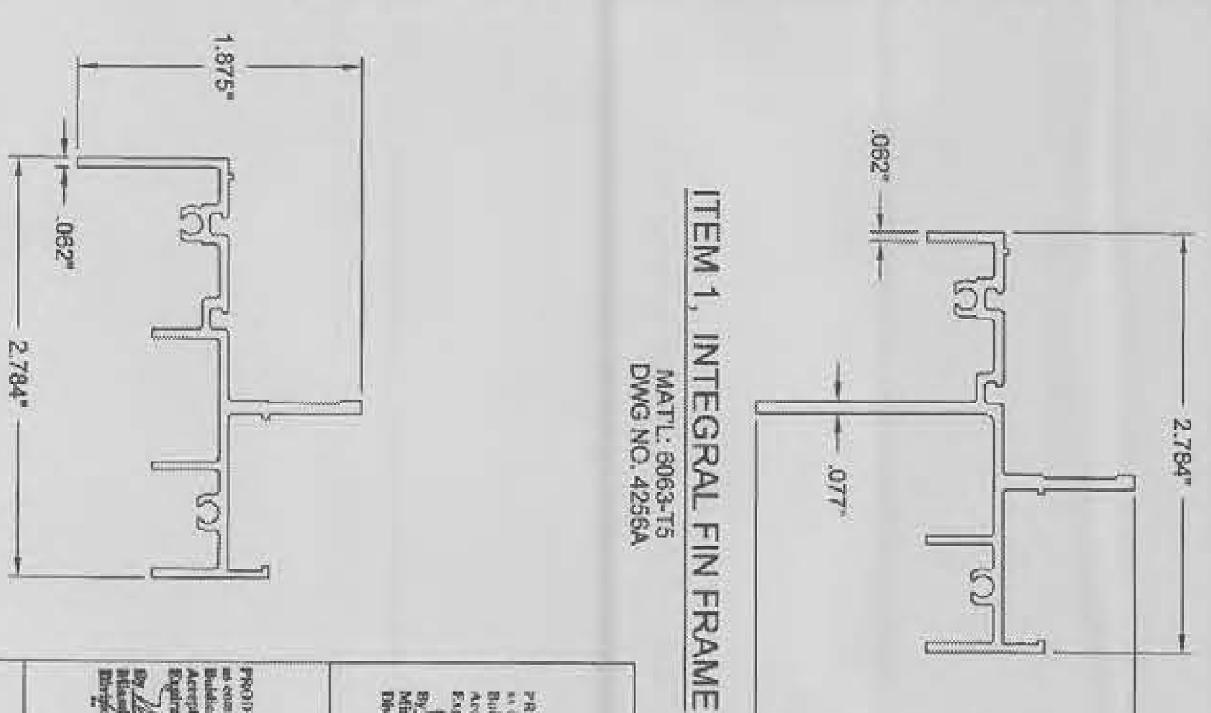
Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

EXTRUSION PROFILES & PARTS LIST

ITEM	DWG NO.	PART #	DESCRIPTION
1	4256A	64256	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	4253	64253	FLANGED FRAME HEAD, SILL & JAMB
7	1155	781PQX	#8 X 1 QUAD PN SMS STAINLESS STEEL
8			SCHNEE-MOREHEAD SM5504 ACRYL-R NARROW JOINT SEALANT OR EQUAL
10	4255	64255	7/16 LAMI GLASS BEAD
11	4254	64254	1 1/16 LAMI I.G. GLASS BEAD
12	1224	6TP247	VINYL BULB WEATHERSTRIP (THICK)
13	4224		INSTALLATION FASTENER COVER
14			DOW CORNING 899 GLAZING SEALANT OR EQUIVALENT
15			DOW CORNING 995 SILICONE STRUCTURAL SEALANT, BLACK
17			7/16" LAMI GLASS; 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
18			1 1/16" LAMI I.G. GLASS; 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" ANNEALED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
20	4262	64262	ARCHITECTURAL CORNER KEY
21			7/16" LAMI GLASS; 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED
22			1 1/16" LAMI I.G. GLASS; 3/16" HEAT STRENGTHENED OUTBOARD - 7/16" AIRSPACE - 3/16" HEAT STRENGTHENED - .090 DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB INTERLAYER - 3/16" HEAT STRENGTHENED

ITEM 10, 7/16 LAMI GLASS BEAD — MAT'L: 6063-T5 DWG NO. 4255

ITEM 11, 1 1/16 LAMI I.G. GLASS BEAD — MAT'L: 6063-T5 DWG NO. 4254



ITEM 2, FLANGED FRAME — MAT'L: 6063-T5 DWG NO. 4253

ITEM 1, INTEGRAL FIN FRAME — MAT'L: 6063-T5 DWG NO. 4256A

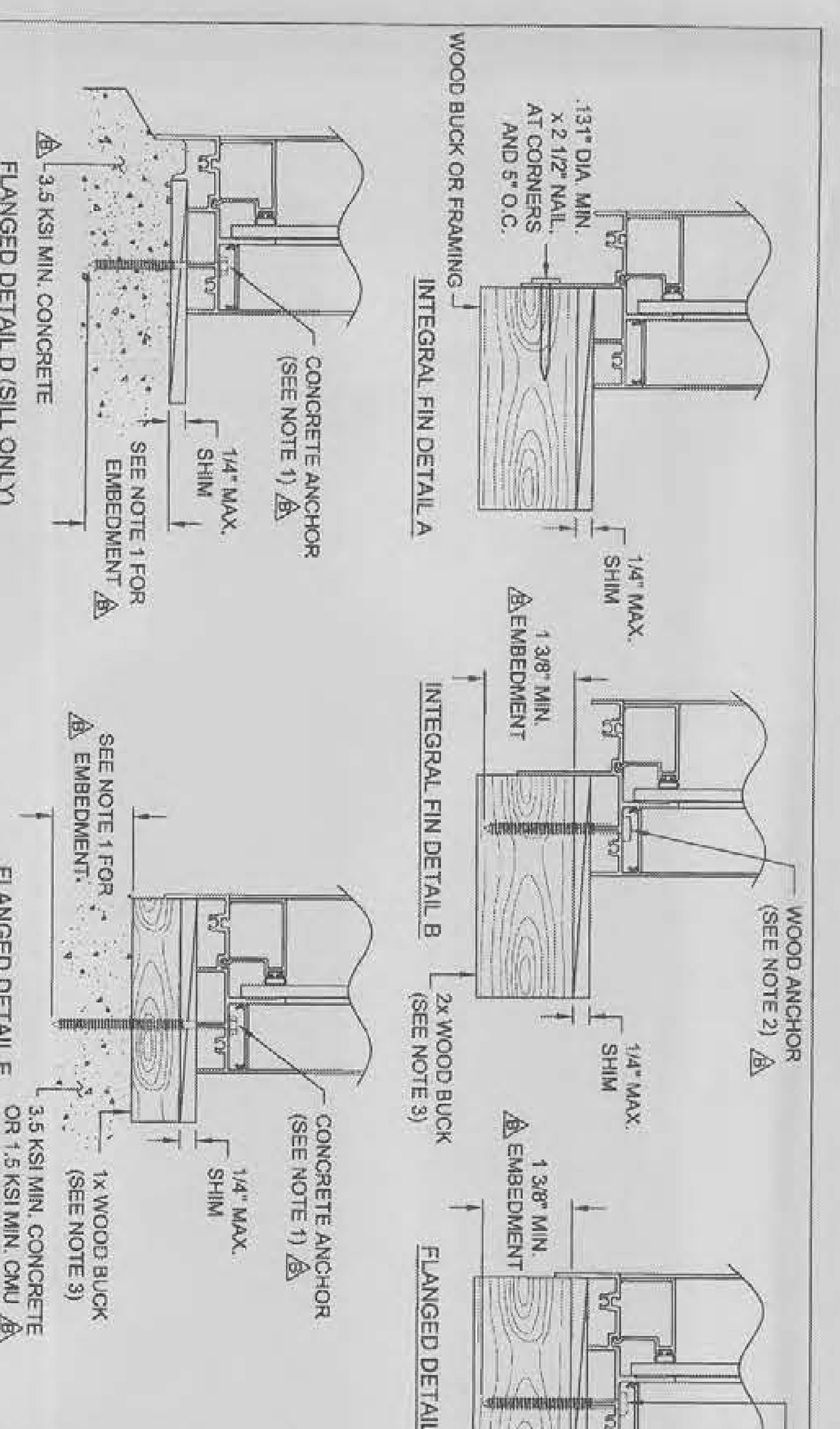
PGT Visibly Better — EXTRUSION PROFILES & PARTS LIST — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — HALF — 9 of 12 — 4259-4 — B

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

ANCHORAGE - HEAD, SILL AND JAMBS



NOTES: B
1. FOR CONCRETE APPLICATIONS ~~IN MIAMI-DADE COUNTY~~, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS, EMBEDED 1 3/8" MIN., 5/16" ELCO TAPCONS EMBEDDED 1 3/4" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN. DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4" MIN.
2. FOR WOOD APPLICATIONS ~~IN MIAMI-DADE COUNTY~~, USE #12 OR #14 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX.
3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
4. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR TAPCONS MAY BE USED.

B — REVISE AND UPDATE ANCHORAGE PER CURRENT FBC — A — CHANGE NOTE 1 AND FASTENER SPACING

PGT Visibly Better — ANCHORAGE - HEAD, SILL AND JAMBS — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — NTS — 10 of 12 — 4259-4 — B

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

TABLE 3. ANCHOR ON-CENTER DIMENSION BY ANCHOR TYPE - WOOD SUBSTRATE

WINDOW "Y" DIMENSION 15.0" – 30.0" (ANCHOR TYPE 1,2,4)

WIND. "X" DIM.		15.0" X	15.0" Y	20.0" X	20.0" Y	25.0" X	25.0" Y	28.5" X	28.5" Y	30.0" X	30.0" Y
49.0"	O.C.	12 3/8	7 1/2	12 3/8	10	12 3/8	12 1/2	12 3/8	8 1/4	12 3/8	9
54.5"	O.C.	10 5/8	7 1/2	10 5/8	10	10 5/8	12 1/2	10 5/8	8 1/4	10 5/8	9
60.0"	O.C.	12	7 1/2	12	10	12	12 1/2	12	8 1/4	12	9
65.5"	O.C.	10 3/4	7 1/2	10 3/4	10	10 3/4	12 1/2	10 3/4	8 1/4	10 3/4	9
71.0"	O.C.	11 13/16	7 1/2	11 13/16	10	11 13/16	12 1/2	11 13/16	8 1/4	11 13/16	9
76.5"	O.C.	10 3/4	7 1/2	10 3/4	10	10 3/4	12 1/2	10 3/4	8 1/4	10 3/4	9
82.0"	O.C.	11 11/16	7 1/2	11 11/16	10	11 11/16	12 1/2	11 11/16	8 1/4	11 11/16	9
87.5"	O.C.	12 5/8	7 1/2	12 5/8	10	12 5/8	12 1/2	12 5/8	8 1/4	12 5/8	9
93.0"	O.C.	11 5/8	7 1/2	11 5/8	10	11 5/8	12 1/2	11 5/8	8 1/4	11 5/8	9
96.0"	O.C.	12	7 1/2	12	10	12	12 1/2	12	8 1/4	12	9

WINDOW "Y" DIMENSION 34.0" and 39.5" (ANCHOR TYPE 1, 2, 4)

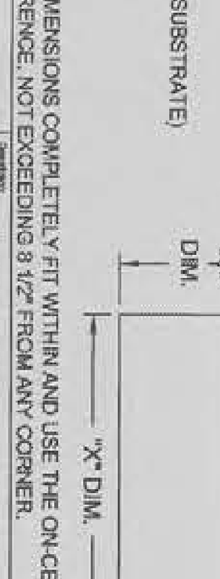
WIND. "X" DIM.	34.0" 1. X	1. Y	2. X	2. Y	4. X	4. Y	39.5" 1. X	1. Y	2. X	2. Y	4. X	4. Y
49.0"	12 3/8	11	12 3/8	11	12 3/8	11	12 3/8	9 3/16	12 3/8	9 3/16	12 3/8	9 3/16
54.5"	10 5/8	11	10 5/8	11	10 5/8	11	10 5/8	9 3/16	10 5/8	9 3/16	10 5/8	9 3/16
60.0"	12	11	12	11	12	11	12	9 3/16	12	9 3/16	12	9 3/16
65.5"	10 3/4	11	10 3/4	11	10 3/4	11	10 3/4	9 3/16	10 3/4	9 3/16	10 3/4	9 3/16
71.0"	11 13/16	11	11 13/16	11	11 13/16	11	9 7/8	9 3/16	11 13/16	9 3/16	9 7/8	9 3/16
76.5"	10 3/4	11	10 3/4	11	10 3/4	11	9 1/4	9 3/16	10 3/4	9 3/16	10 3/4	9 3/16
82.0"	11 11/16	11	11 11/16	11	11 11/16	11	10	9 3/16	11 11/16	9 3/16	10	9 3/16
87.5"	10 13/16	11	12 5/8	11	10 13/16	11	9 7/16	9 3/16	12 5/8	9 3/16	10 13/16	9 3/16
93.0"	10 1/8	11	11 5/8	11	11 5/8	11	9	9 3/16	11 5/8	9 3/16	10 1/8	9 3/16
96.0"	10 1/2	11	12	11	10 1/2	11	9 3/8	9 3/16	12	9 3/16	10 1/2	9 3/16

WINDOW "Y" DIMENSION 45.0", 46.5" and 48.0" (ANCHOR TYPE 1, 2, 4)

WIND. "X" DIM.	45.0" 1. X	1. Y	2. X	2. Y	4. X	4. Y	46.5" 1. X	1. Y	2. X	2. Y	4. X	4. Y	48.0" 1. X	1. Y	2. X	2. Y	4. X	4. Y
49.0"	12 3/8	11	12 3/8	11	12 3/8	11	12 3/8	11 1/2	12 3/8	11 1/2	12 3/8	11 1/2	12 3/8	12	12 3/8	12	12 3/8	12
54.5"	10 5/8	11	10 5/8	11	10 5/8	11	10 5/8	11 1/2	10 5/8	11 1/2	10 5/8	11 1/2	10 5/8	12	10 5/8	12	10 5/8	12
60.0"	9 5/8	11	12	11	9 5/8	11	9 5/8	11 1/2	12	11 1/2	9 5/8	11 1/2	9 5/8	12	12	12	9 5/8	12
65.5"	8 15/16	11	10 3/4	11	10 3/4	11	8 15/16	11 1/2	10 3/4	11 1/2	10 3/4	11 1/2	8 15/16	12	10 3/4	12	10 3/4	12
71.0"	9 7/8	11	11 13/16	11	9 7/8	11	9 7/8	11 1/2	11 13/16	11 1/2	9 7/8	11 1/2	8 7/16	12	11 13/16	12	9 7/8	12
76.5"	9 1/4	11	10 3/4	11	9 1/4	11	9 1/4	11 1/2	10 3/4	11 1/2	9 1/4	11 1/2	9 1/4	12	10 3/4	12	9 1/4	12
82.0"	8 3/4	11	11 11/16	11	10	11	8 3/4	11 1/2	11 11/16	11 1/2	8 3/4	11 1/2	8 3/4	12	11 11/16	12	8 3/4	12
87.5"	8 7/16	11	10 13/16	11	9 7/16	11	8 7/16	11 1/2	10 13/16	11 1/2	9 7/16	11 1/2	8 7/16	12	10 13/16	12	8 7/16	12
93.0"	9	11	11 5/8	11	9	11	8 1/8	11 1/2	11 5/8	11 1/2	9	11 1/2	8 1/8	12	10 1/8	12	9	12
96.0"	8 7/16	11	10 1/2	11	9 3/8	11	8 7/16	11 1/2	10 1/2	11 1/2	8 7/16	11 1/2	8 7/16	12	10 1/2	12	8 7/16	12

ANCHOR TYPES:
1. #12 STEEL SCREW (G5)
2. #14 STEEL SCREW (G5)
3. 1/4" ELCO TAPCON
4. 1/4" ELCO SS4 CRETEFLEX
5. 5/16" ELCO TAPCON

NOTES:
1. ANCHOR SPACING FOR SQUARE AND RECTANGULAR WINDOWS.
MAX. ON-CENTER (O.C.) "X" AND "Y" DIMENSION FROM TABLE 3 (MIN. 2 1/8" O.C. CONCRETE SUBSTRATE)
MAX. 8 1/2" FROM CORNERS
2. ANCHOR SPACING FOR WINDOW SHAPES OTHER THAN SQUARE OR RECTANGULAR.
FIND THE SMALLEST WINDOW SIZE IN TABLE 3 WHICH THE OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN AND USE THE ON-CENTER DIMENSION FOR THE RESPECTIVE ANCHOR TYPE AROUND THE PERIMETER OR CIRCUMFERENCE, NOT EXCEEDING 8 1/2" FROM ANY CORNER.



B — NEW SHEET

PGT Visibly Better — ANCHORAGE, WOOD SUBSTRATE — ALUMINUM PICTURE WINDOW, IMPACT — PW-701 — NTS — 11 of 12 — 4259-3 — B

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 08-1112.10 Expiration Date 2/14/2014 Miami Dade Product Control Division

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 07-0418.06 Expiration Date Feb 19, 2009 Miami-Dade Product Control Division

Robert L. Clark, P.E. PE #39712 Structural — 4/13/07

TABLE 4. ANCHOR ON-CENTER DIMENSION BY ANCHOR TYPE - CONCRETE SUBSTRATE
WINDOW "Y" DIMENSION: 15.0" 20.0" 25.0" 28.5" 30.0" 34.0" 39.5" 45.0" 46.5" 48.0"
ANCHOR TYPES:
1. #12 STEEL SCREW (G5)

APPROVED NOV 5 2010 CITY OF HOLLYWOOD, FLA. STRUCTURAL

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE; FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SKU — IN-SITE DESIGN GROUP, INC
DATE: 7-9-10

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.7.10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.8

1 EXTERIOR WINDOW MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - FIXED WINDOW CONTINUED

TABLE 4. ANCHOR ON-CENTER DIMENSION BY ANCHOR TYPE - CONCRETE SUBSTRATE

WIND. "X" DIM.	ANCHOR TYPE	WINDOW "Y" DIMENSION																																							
		15.0"		20.0"		25.0"				28.5"				30.0"				34.0"				39.5"				45.0"				46.5"				48.0"			
		3.		3.		3.		4.		3.		4.		3.		4.		3.		4.		3.		4.		3.		4.		3.		4.		3.		4.	
		X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
49.0"	O.C.	12	3/8			12	3/8			12	3/8			12	3/8			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
54.5"	O.C.	10	5/8			10	5/8			10	5/8			10	5/8			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
60.0"	O.C.	12				12				12				12				11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
65.5"	O.C.	10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
71.0"	O.C.	11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16			11	13/16		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
76.5"	O.C.	10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4			10	3/4		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
82.0"	O.C.	11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
87.5"	O.C.	12	5/8			12	5/8			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16			11	11/16		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
93.0"	O.C.	11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		
96.0"	O.C.	12				12				11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8			11	5/8		
		7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2			7	1/2		

ANCHOR TYPES:
1. #12 STEEL SCREW (G5)
2. #14 STEEL SCREW (G5)
3. 1/4" ELCO TAPCON
4. 1/4" ELCO SS4 CRETEFLEX
5. 5/16" ELCO TAPCON

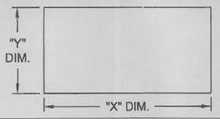
PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No 08-1112.10
Expiration Date 2/11/2014
By Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 07-0418.06
Expiration Date FEB. 15, 2009
By Miami Dade Product Control Division

NOTES:
1. ANCHOR SPACING FOR SQUARE AND RECTANGULAR WINDOWS:

MAX. ON-CENTER (O.C.) "X" AND "Y" DIMENSION FROM TABLE 4 (MIN. 2 1/8" O.C. CONCRETE SUBSTRATE)
MAX. 8 1/2" FROM CORNERS

2. ANCHOR SPACING FOR WINDOW SHAPES OTHER THAN SQUARE OR RECTANGULAR:



APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

☑ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

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BY: SKU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.7.10

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.9

MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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**, titled "Series 770 Alum SGD-LMI", sheets 1 through 23 of 23, prepared by PTC, LLC, dated 01/06/10, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact
Limitation:
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.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 consists of this page 1 as well as evidence sheet E-1 and approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**

NOA No. 09-0826.10
Expiration Date: February 17, 2015
Approval Date: February 17, 2010
Page 1

MIAMI-DADE COUNTY APPROVED

3/8/10

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. **DRAWINGS**
1. Manufacturer's die drawings and sections.
2. Drawing No.**PGT0002**, titled "Series 770 Alum SGD-LMI", sheets 1 through 23 of 23, prepared by PTC, LLC, dated 01/06/10, signed and sealed by Robert J. Amoruso, P.E.

B. **TESTS**
1. Test reports on 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94.
4) Forced Entry Test per FBC 2411.3.2.1 and TAS202-94.
5) Large Missile Impact Test, per TAS 201-94
6) Cyclic Wind Pressure Loading, per TAS 203-94

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. 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.
2. Glazing complies with ASTME-1300-02 &-04

D. **QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).

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. **05-1208.02** issued to E.I. DuPont DeNemours, for "DuPont Butacite ® PVB", expiring on 12/11/2010

F. **STATEMENTS**
1. Statement letter of conformance and no financial interest, dated 08-19-09, signed by Robert J. Amoruso, P.E.
2. Letter of Lab compliance, part of the above test reports.

G. **OTHER**
1. 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. 09-0826.10
Expiration Date: February 17, 2015
Approval Date: February 17, 2010

E - 1

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, 2007 EDITION 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"

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.

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

Concrete Screw Anchorage Minimum Embedment and Minimum Edge Distance Requirements

Type	Dia.	Head and Sill: Concrete Min. Emb.	Min. Ed.	Jambs: Un-Grouted CMU Min. Emb.	Min. Ed.	Grouted CMU Min. Emb.	Min. Ed.
Elco Ultracon	1/4"	1 3/4	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 5/16	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	

Type	Dia.	P-Hook (Anchor Tension): Concrete Min. Emb.	Min. Ed.	Grouted CMU Min. Emb.	Min. Ed.	P-Hook Mounting Adapter (Anchor Shear): Concrete Min. Emb.	Min. Ed.	Grouted CMU 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 2103.2.2.1.2 and R609 of the FBC

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

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

CONCRETE SCREWS STRENGTHS:
Fy MIN. = 138 KSI
Fu MIN. = 177 KSI

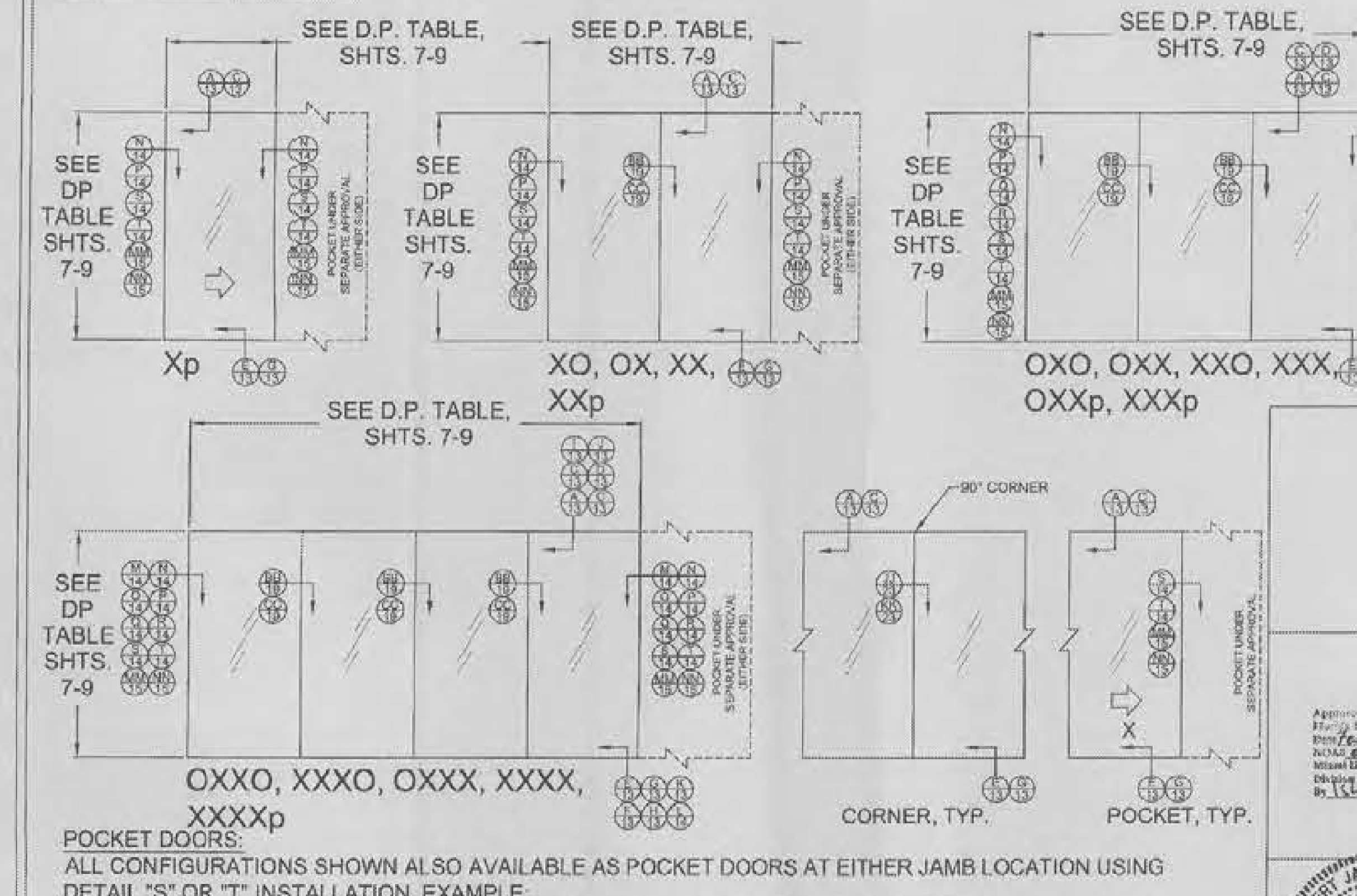
Approved as complying with the Florida Building Code
Date February 17, 2010
NOA# 09-0826.10
Miami Dade Product Control Division
By Ishaq I. Chanda

Revised By: SMC	Date: 01/05/10	Revision: B	PER MIAMI DADE COMMENTS
Revised By: SMC	Date: 11/16/09	Revision: A	PER MIAMI DADE COMMENTS
Drawn By: SMC	Date: 08/05/07	Checked By:	Date:

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

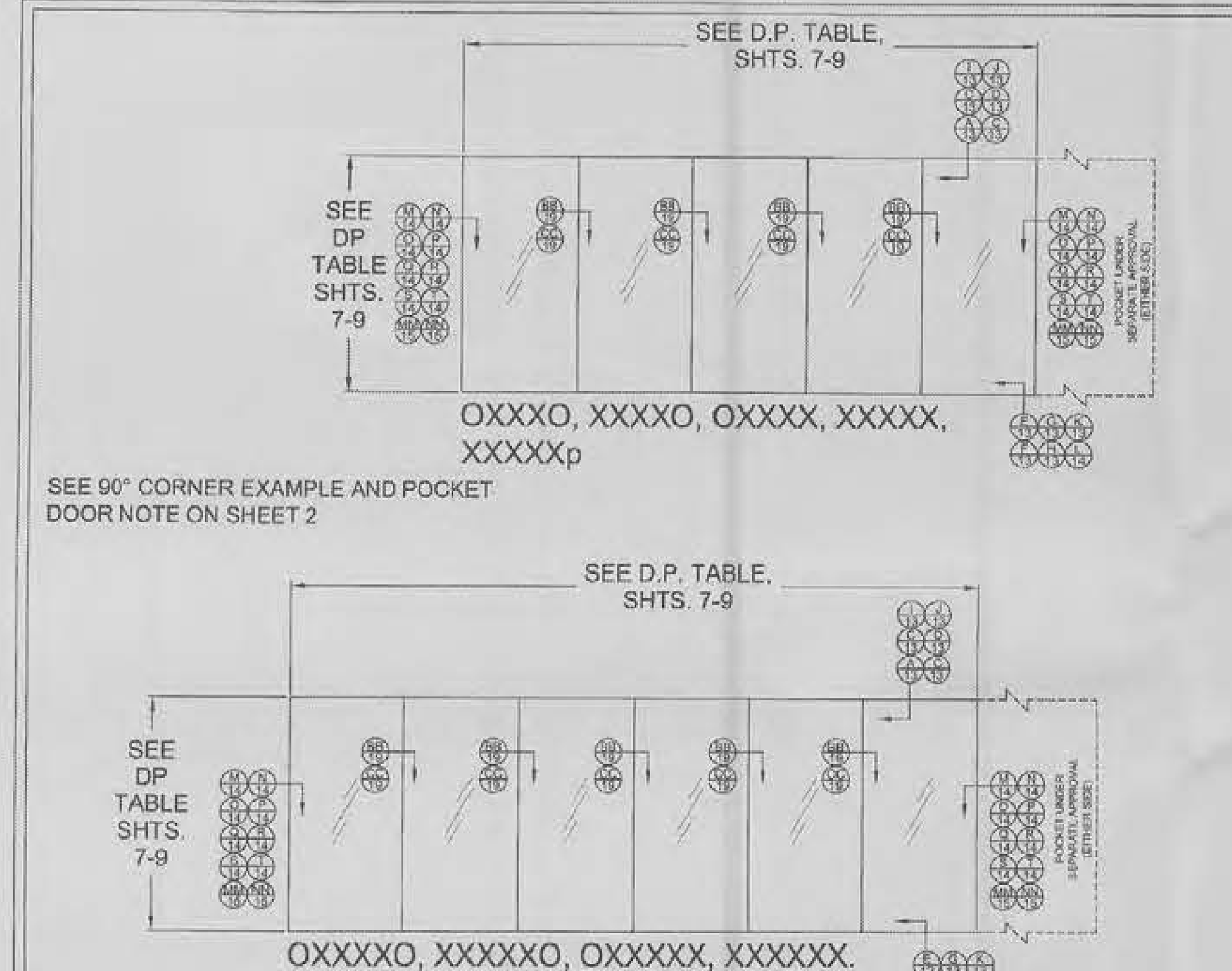
GENERAL NOTES AND MAP
SERIES 770 ALUMINUM SGD - LMI
SGD770 | NTS | 1 of 23 | PGT0002 | B
PREPARED BY: PTC, LLC 1535 N. COGSWELL ST., STE. C25, ROCKLEDGE, FL 32955, PH: 321-690-1786, FAX 321-690-1789
Robert J. Amoruso, P.E. PE #49752

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.

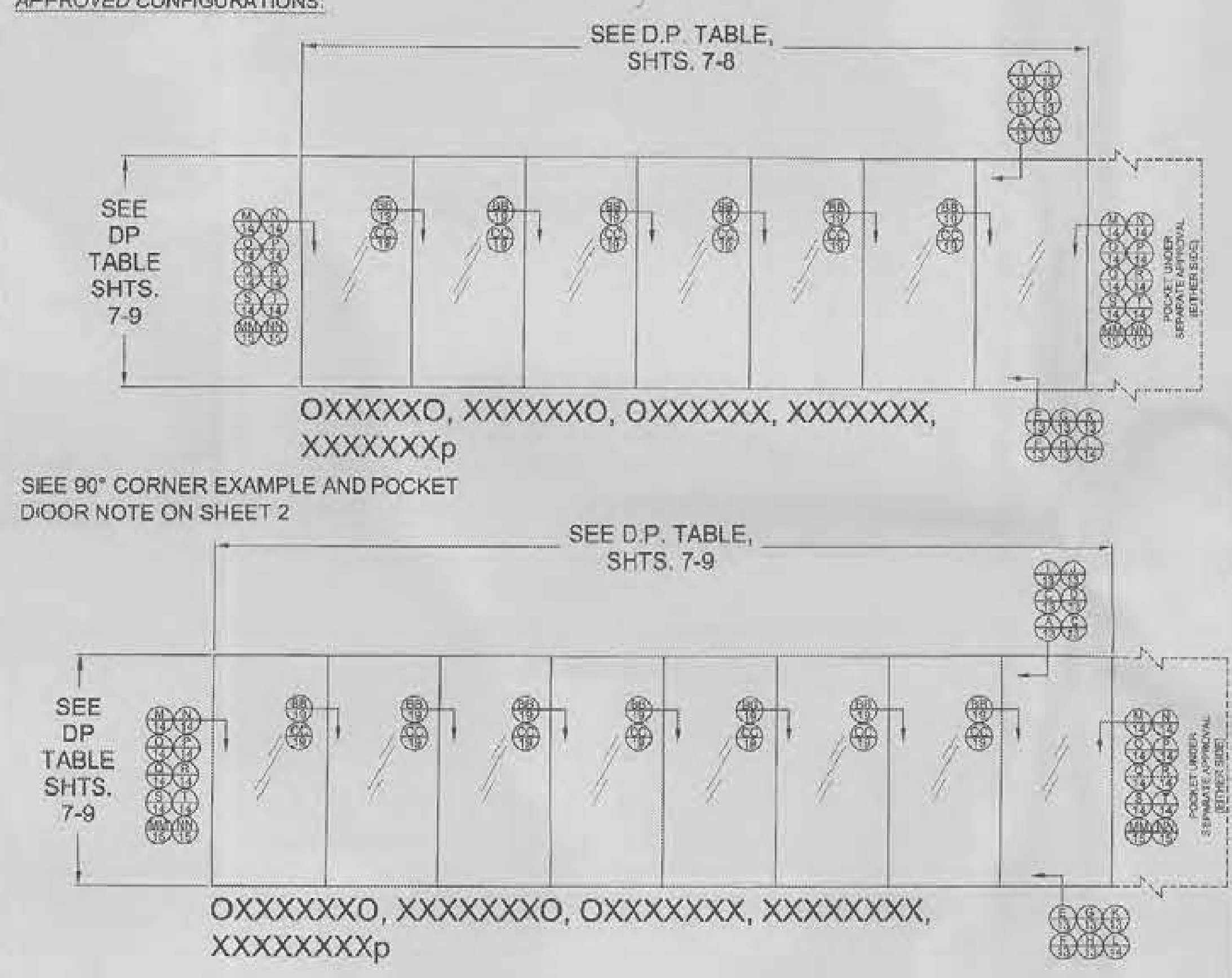
QUALIFIED CONFIGURATIONS
SERIES 770 ALUM. SGD - LMI
SGD770 | NTS | 2 of 23 | PGT0002 | B
SMC 01/05/10 B PER MIAMI DADE COMMENTS; SMC 11/16/09 A PER MIAMI DADE COMMENTS; SMC 08/05/09



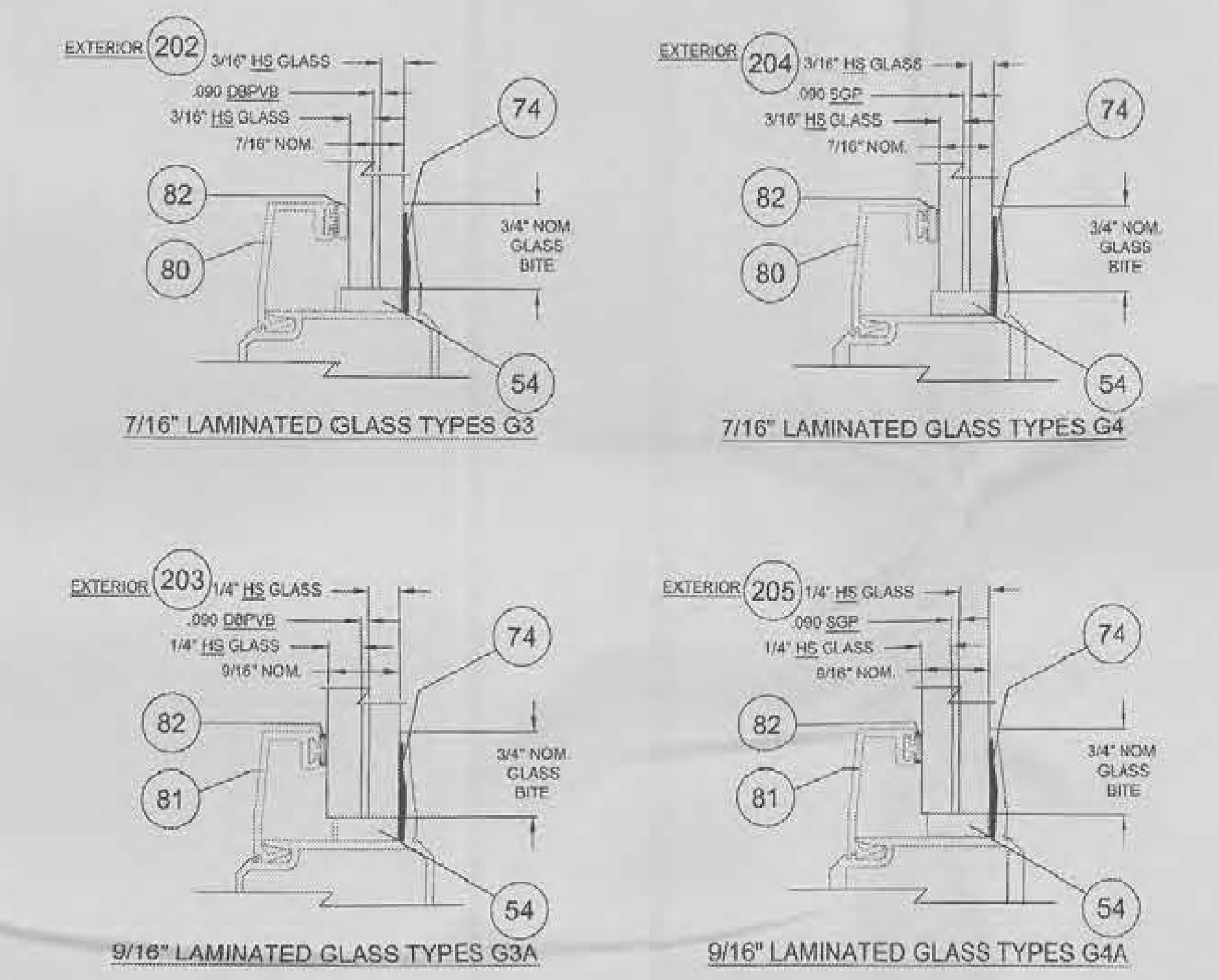
APPROVED CONFIGURATIONS

QUALIFIED CONFIGURATIONS
SERIES 770 ALUM. SGD - LMI
SGD770 | NTS | 3 of 23 | PGT0002 | B

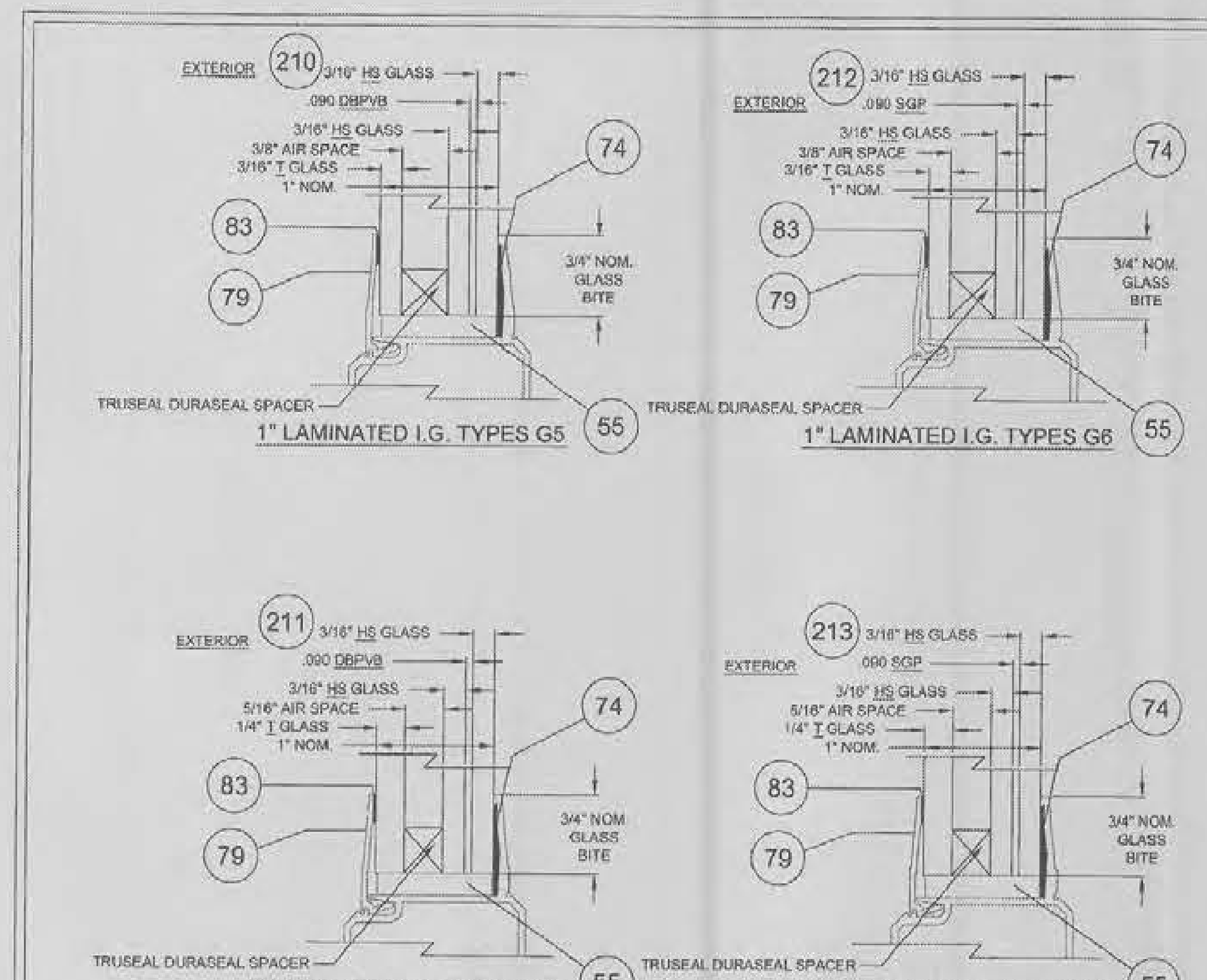
APPROVED CONFIGURATIONS:



QUALIFIED CONFIGURATIONS
SERIES 770 ALUM. SGD - LMI
SGD770 | NTS | 4 of 23 | PGT0002 | B



GLAZING DETAILS
SERIES 770 ALUMINUM SGD - LMI
SGD770 | NTS | 5 of 23 | PGT0002 | A



GLAZING DETAILS
SERIES 770 ALUMINUM SGD - LMI
SGD770 | NTS | 6 of 23 | PGT0002 | A

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	80: 1,2-CONC	80: 3-CONC	80: 2,4-WOOD	84: 1,2-CONC	84: 3-CONC	84: 2,4-WOOD	90: 1,2-CONC	90: 3-CONC	90: 2,4-WOOD	96: 1,2-CONC	96: 3-CONC	96: 2,4-WOOD
GLASS TYPE - 3, 3A, 5, 5A		+60	-60.0		+60	-60.0		+60	-60.0		+60	-60.0	
24	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	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	6	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	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	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	6	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	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	16
	P-HOOK	5	5	5	6	6	6	6	8	8	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.

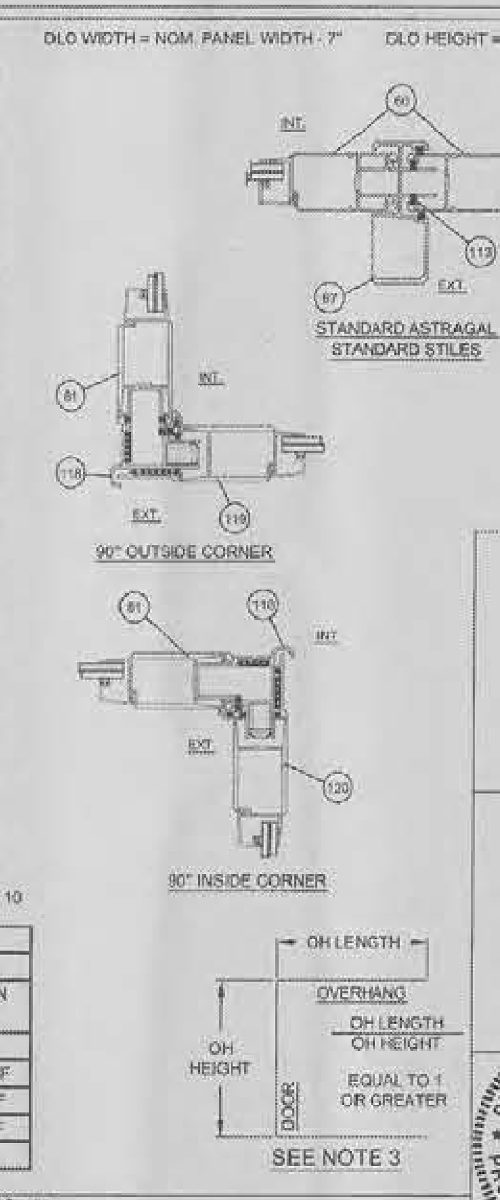
( ) = EXAMPLE ON SHEET 10

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"



DP AND ANCHORAGE
SERIES 770 ALUMINUM SGD - LMI
SGD770 | NTS | 7 of 23 | PGT0002 | B

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.

UNIT HEIGHT 80–96:

NOM. PANEL WIDTH	FRAME SIDE	80: 1,2-CONC	80: 3-CONC	80: 2,4-WOOD	84: 1,2-CONC	84: 3-CONC	84: 2,4-WOOD	90: 1,2-CONC	90: 3-CONC	90: 2,4-WOOD	96: 1,2-CONC	96: 3-CONC	96: 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	
24	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
	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 - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
30	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
	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 - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
36	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
	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 - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
42	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
	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 - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
48	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
	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
GLASS TYPE - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
54	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	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)	H&S	C4+2	C4+2	C5+2	C4+2	C4+2	C5+2	C4+2	C4+2	C6+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

UNIT HEIGHT 102–120:

NOM. PANEL WIDTH	FRAME SIDE	102: 1,2-CONC	102: 3-CONC	102: 2,4-WOOD	108: 1,2-CONC	108: 3-CONC	108: 2,4-WOOD	114: 1,2-CONC	114: 3-CONC	114: 2,4-WOOD	120: 1,2-CONC	120: 3-CONC	120: 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	
24	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
	JAMB	12	12	12	12	12	12	12	12	12	12	12	12
	P-HOOK	6	6	6	6	6	6	6	6	6	6	6	6
30	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
	JAMB	12	12	12	12	12	12	12	12	12	12	12	12
	P-HOOK	6	6	6	6	6	6	6	6	6	6	6	6
36	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
	JAMB	12	12	12	12	12	12	12	12	12	12	12	12
	P-HOOK	6	6	6	6	6	6	7	7	7	7	7	[illegible]
42	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
	JAMB	12	12	12	12	12	12	12	12	12	12	12	12
	P-HOOK	6	6	7	7	7	7	7	7	8	8	8	8
48	H&S	C4+1	C4+1	C6+2	C4+1	C4+1	C5+2	C4+1	C4+1	C6+2	C4+1	C4+1	C6+2
	JAMB	12	12	12	12	12	12	12	12	12	12	12	[illegible]
	P-HOOK	7	7	7	8	8	8	8	8	8	9	9	[illegible]

PANELS OVER 48" WIDE NOT AVAILABLE OVER 96" HIGH

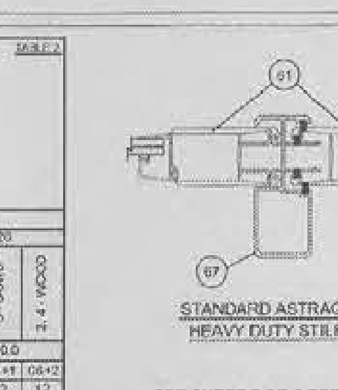
1. POSITIVE PRESSURES IN TABLE ARE BASED ON THE USE OF THE 3 1/4" SILL.
2. WHEN USING THE 2 1/2" SILL, POSITIVE DP IS 46.67 PSF MAX. WHEN USING THE 4" SILL POSITIVE DP IS 60.0 MAX. (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 2A.
3. 2 1/2", 3 1/4" AND 4" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS 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



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

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

DP AND ANCHORAGE
SERIES 770 ALUMINUM SGD - LMI
SGD770 | NTS | 8 of 23 | PGT0002 | B

[X] REVIEWED [ ] NOT APPROVED
[ ] REVIEWED AS NOTED [ ] REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE: FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION, AND FOR COORDINATION OF THE WORK OF ALL TRADES.
BY: SRU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FL
STRUCTURAL

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.9.10.
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.10

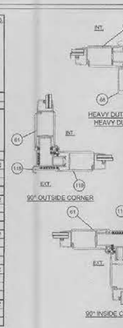
1 EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - SLIDING GLASS DOOR

DESIGN PRESSURE AND ANCHORAGE - UN-REINFORCED - HEAVY DUTY STILE / HEAVY DUTY ASTRAGAL	TABLE 1
= HEAD & SILL (HSE) INTERLOCK, STRAIGHT & CORNER ASTRAGAL CLUSTER PLUS INTERMEDIATE TA ANCHOR QTY. PER PANEL H & S.	Anchor Types:
= JAMB ANCHOR QTY. - P-HOOK ANCHOR QTY.	1) 1/4" ELCO LS TRACON (FORMERLY TAPCON)
G4 - 7/16" LAMINATED GLASS - (3/16" H.S. / SGP / 3/16" H.S.)	2) 1/4" ESA CRETE-FLEX
G4A - 9/16" LAMINATED GLASS - (1/4" H.S. / SGP / 1/4" H.S.)	3) 5/16" ULTRACON
G6 - 7/16" LAMINATED GLU - (3/16" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)	4) #12 STEEL SCREW (SS)
G6A - 7/16" LAMINATED GLU - (1/4" TEMP. / AIR / 3/16" H.S. / SGP / 3/16" H.S.)	* SEE ANCHORAGE NOTES 1 & 2 ON SHEET 1

NOM PANEL WIDTH	FRAME SIZE	UNIT HEIGHT 60			84			90			96		
		1-3 - CONC	3 - CONC	2-4 - WOOD	1-3 - CONC	3 - CONC	2-4 - WOOD	1-3 - CONC	3 - CONC	2-4 - WOOD	1-3 - 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	
24	HSE	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	8	8	8	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	
36	HSE	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		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
16	HSE	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	9
GLASS TYPE - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
42	HSE	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	8	9	9
GLASS TYPE - 4, 4A, 6, 6A		60.0	-60.0		60.0	-60.0		60.0	-60.0		60.0	-60.0	
48	HSE	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	9	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.
6. DOOR SIZE TO COMPLY WITH FBC EGRESS REQUIREMENTS.

TABLE 3A: SILL HT. VS POS. DP	
SILL HGE HEIGHT	(+) DESIGN LOAD
FLUSH - 1-1/2"	N/A
LOW - 3-1/2"	+ 45.67 PSF
MED - 3-1/4"	+ 60.0 PSF
HIGH - 4"	+ 90.0 PSF
SEE NOTES 1-3	



Approved in complying with the Florida Building Code
Date: February 17, 2010
NOA#: 07-0822.06
Miami-Dade Product Control
By:

JAMES A. RICHARDSON LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

Issued By:	Date:	Revisions:
SMC	01/05/10	B PER MIAMI DADE COMMENTS
SMC	11/19/09	A PER MIAMI DADE COMMENTS
SMC	09/09/09	

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 — P.O. BOX 1929 NOKOMIS, FL 34274

PGT

DP AND ANCHORAGE

SERIES 770 ALUMINUM SGD - LMI

Issued By	Date	Revisions
SMC	09/09/09	

Robert J. Amoruso, P.E. PE #49752

Issued By:	Date:	Revisions:
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1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 — P.O. BOX 1929 NOKOMIS, FL 34274

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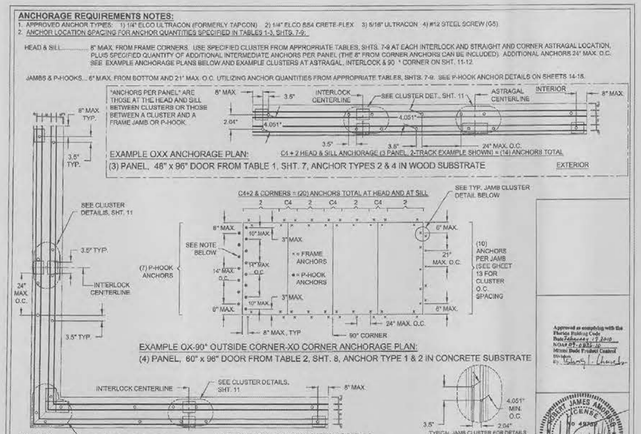
ANCHORAGE REQUIREMENTS NOTES:

1. APPROVED ANCHOR TYPES: 1) 1/4" ELCO LS TRACON (FORMERLY TAPCON) 2) 1/4" ELCO ESA CRETE-FLEX 3) 5/16" ULTRACON 4) #12 STEEL SCREW (SS)
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.



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ANCHORAGE SPACING & EXAMPLE PLANS

SERIES 770 ALUMINUM SGD - LMI

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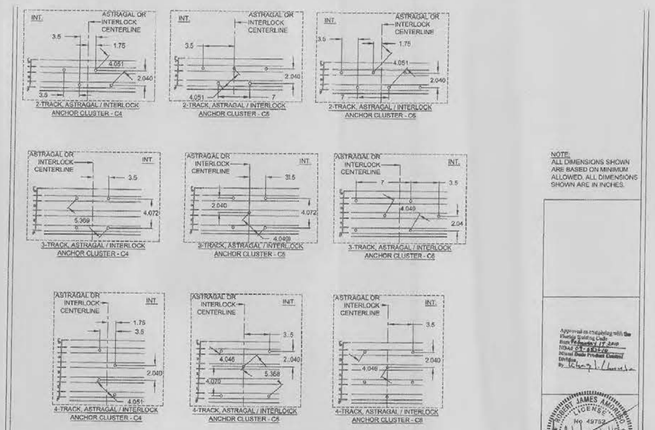

NOTE:
ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED. ALL DIMENSIONS SHOWN ARE IN INCHES.

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ANCHORAGE, EXAMPLE CLUSTERS

SERIES 770 ALUMINUM SGD - LMI

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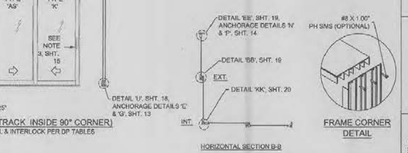

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ANCHORAGE DETAILS / EXAMPLE ELEVATION

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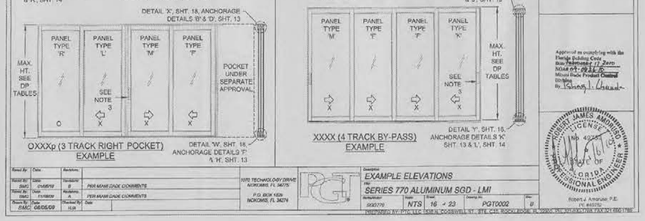

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EXAMPLE ELEVATIONS

SERIES 770 ALUMINUM SGD - LMI

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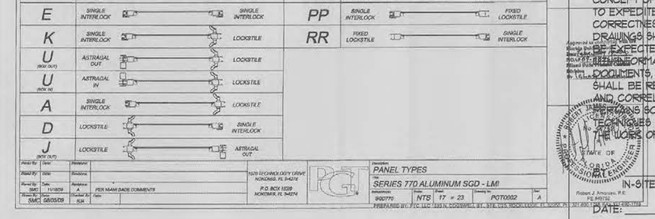

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ANCHORAGE DETAILS

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PANEL TYPES

SERIES 770 ALUMINUM SGD - LMI

Issued By	Date	Revisions
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Robert J. Amoruso, P.E. PE #49752

PANEL LETTER			PANEL LETTER		
P	SINGLE INTERLOCK	FIXED LOCKSTILE	J (BOX 70)	LOCKSTILE	ASTRAGAL IN
R	FIXED LOCKSTILE	SINGLE INTERLOCK	M	LOCKSTILE	SINGLE INTERLOCK
T (BOX 70)	ASTRAGAL OUT	FIXED LOCKSTILE	CS	SINGLE INTERLOCK	CORNER RECEIVER
T (BOX 70)	ASTRAGAL IN	FIXED LOCKSTILE	SC	CORNER RECEIVER	SINGLE INTERLOCK
S (BOX OUT)	FIXED LOCKSTILE	ASTRAGAL OUT	QS	CORNER LOCKSTILE	SINGLE INTERLOCK
S (BOX 70)	FIXED LOCKSTILE	ASTRAGAL IN	SQ	SINGLE INTERLOCK	CORNER LOCKSTILE
L (BOX 70)	SINGLE INTERLOCK	ASTRAGAL OUT	AS	CORNER RECEIVER	SINGLE INTERLOCK
LR (BOX 70)	ASTRAGAL OUT	SINGLE INTERLOCK	SA	SINGLE INTERLOCK	CORNER RECEIVER
N (BOX OUT)	ASTRAGAL IN	SINGLE INTERLOCK	CI	CORNER LOCKSTILE	SINGLE INTERLOCK
C (BOX 70)	SINGLE INTERLOCK	ASTRAGAL IN	IC	SINGLE INTERLOCK	CORNER LOCKSTILE
B	SINGLE INTERLOCK	SINGLE INTERLOCK	CF	CORNER RECEIVER	FIXED LOCKSTILE
F	SINGLE INTERLOCK	SINGLE INTERLOCK	FC	FIXED LOCKSTILE	CORNER RECEIVER
E	SINGLE INTERLOCK	SINGLE INTERLOCK	PP	SINGLE INTERLOCK	FIXED LOCKSTILE
K	SINGLE INTERLOCK	LOCKSTILE	RR	FIXED LOCKSTILE	SINGLE INTERLOCK
U (BOX OUT)	ASTRAGAL OUT	LOCKSTILE			
U (BOX 70)	ASTRAGAL OUT	LOCKSTILE			
A	SINGLE INTERLOCK	LOCKSTILE			
D	LOCKSTILE	SINGLE INTERLOCK			
J	LOCKSTILE	ASTRAGAL OUT			

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

INTERIOR (ALL PANEL TYPES)
EXTERIOR

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

REVIEWED
REVIEWED AS NOTED
NOT APPROVED
REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

IN-SITE DESIGN GROUP, INC

DATE: 7.9.10

JAMES A. RICHARDSON LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

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PANEL TYPES

SERIES 770 ALUMINUM SGD - LMI

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Robert J. Amoruso, P.E. PE #49752

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.9.10

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

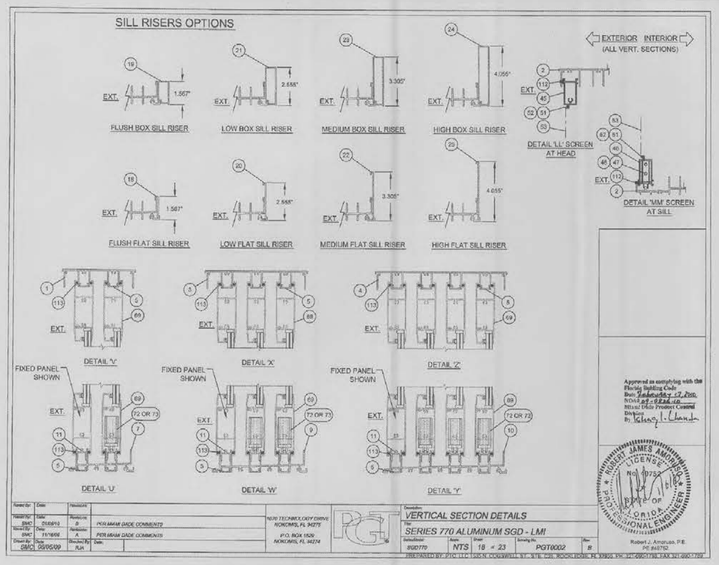
REVISIONS

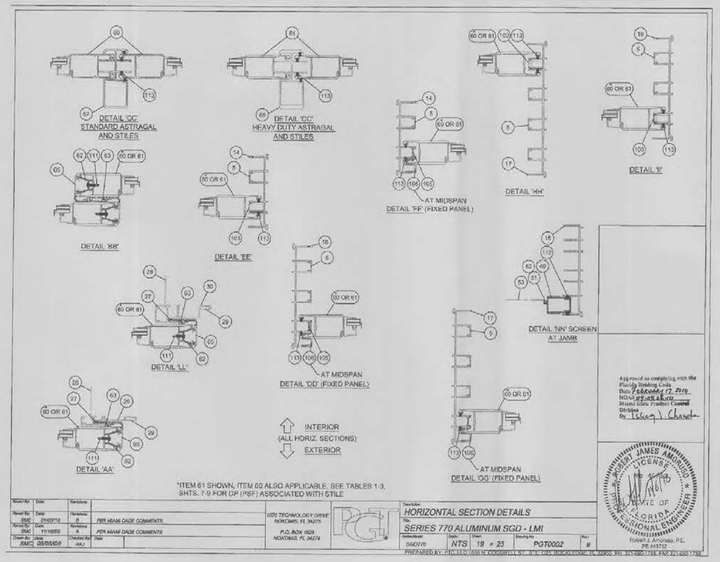
Date Of Issue
JULY12-10

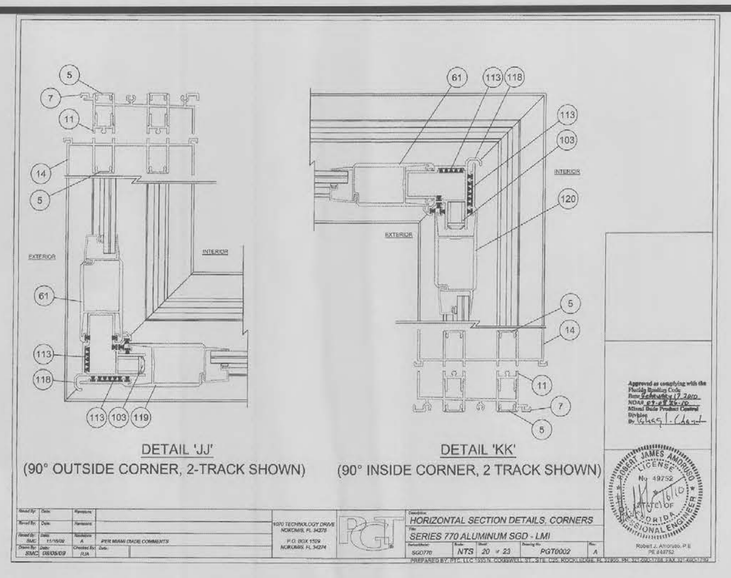
PRODUCT APPROVALS

A-11.11

1 EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - SLIDING GLASS DOOR CONTINUED







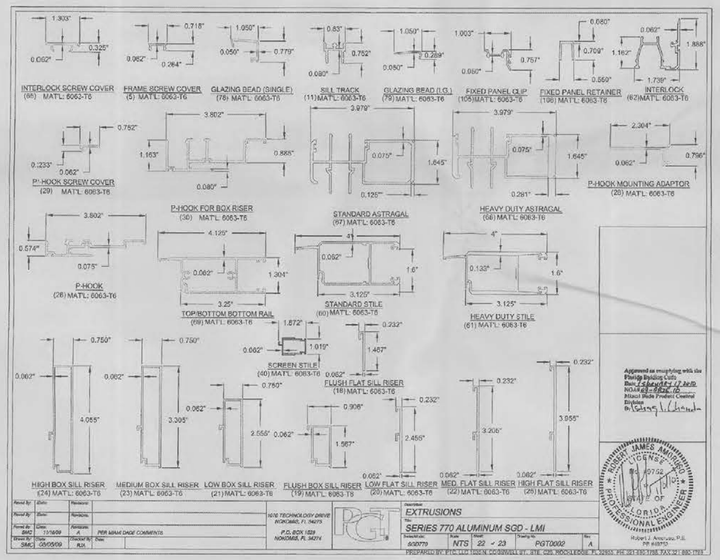
ITEM	PGT Dwg. #	PGT. #	Description
1	17326	617326	2-TRACK HEAD
2	17323	617323	2-TRACK HEAD WITH SCREEN RAIL
3	17309	617309	3-TRACK HEAD
4	17312	617312	4-TRACK HEAD
5	17314	617314	4-PANEL SCREEN COVER
6	17317	617317	2-PANEL HEAD/JAMB ADD-ON
7	17324	617324	2-TRACK SILL
8	17321	617321	2-TRACK SILL WITH SCREEN RAIL
9	17297	617297	3-TRACK SILL
10	17310	617310	4-TRACK SILL
11	17318	617318	FRAME SILL SCREEN
12	17316	617316	FRAME SILL SCREEN ADDON
13	17315	617315	FRAME SILL SCREEN END ADD-ON
14	17325	617325	2-TRACK JAMB
15	17327	617327	2-TRACK JAMB WITH SCREEN RAIL
16	17328	617328	3-TRACK JAMB
17	17311	617311	4-TRACK JAMB
18	17322	617322	SILL RISER - LOW
19	17319	617319	SILL RISER - LOW HOLLOW
20	17321	617321	SILL RISER - LOW FLAT
21	17318	617318	SILL RISER - LOW HOLLOW
22	17309	617305	SILL RISER - MED FLAT
23	17364	617364	SILL RISER - MED HOLLOW
24	17330	617330	SILL RISER - HIGH HOLLOW
25	17333	617333	SILL RISER - HIGH FLAT
26	17335	617335	POCKET DOOR P-HOOK
27	2029	62029	NEOPRENE BULB INSTP FOR P-HOOK
28	17334	617334	POCKET DOOR P-HOOK MOUNT
29	17336	617336	P-HOOK COVER
30	17348	617348	POCKET DOOR P-HOOK FOR BOX RISER
OPTIONAL PANIC PUSH BAR SHOWN UNLATCHED			
40	4012	614012	SCREEN SIDE RAIL - LOCK STILE
41		7LOCKW-SBK	SCREEN LOCKSET
42		41878	SCREEN KISS'N SPACER EST
43	4192	64192	SCREEN INTERLOCK ADAPTER
44	4429	64429	SCREEN DOUBLE INTERLOCK
45	4317	612256	SCREEN TOP RAIL
46	4318	612257	SCREEN BOTTOM RAIL
47	692	70942	STANDARD ROLLER
48	668	70942	STANDARD ROLLER - SF. STL.
49	4244	64244	SCREEN ASTRAGAL
50	17349	617349	2ND SCREEN ASTRAGAL ADAPTER
51	1692	71692	SCREEN SPLINE - 180
52	1694	71694	SCREEN SPLINE - 150
53		5409X20	SCREEN CLOTH
54	1726		1/2" x 4" x 1/16" SITTING BLOCK
55	1725		1-3/4" x 1-1/4" SITTING BLOCK

ITEM	PGT Dwg. #	PGT. #	Description
60	17326	617326	PANEL STILE
61	17326	617326	PANEL STILE (HEAVY DUTY)
62	17307	617307	INTERLOCK ADAPTOR
63	1235	691246	VINYL BULB WSTP - THIN INSIDE INTERLOCK
64	17329	717329	SILL DAM WEATHERSTRIP PAD
66	17328	617328	INTERLOCK SCREW COVER
67	17330	617330	ASTRAGAL
68	17338	617338	HEAVY DUTY ASTRAGAL
69	17324	617324	TOP & BOTTOM RAIL
70	17350	617350	WEATHERSTRIP EXTENSION (INJECTION MOLDED)
71	1985	71985	1.125" X 1" X3/4" HIGH FIN SEAL CUTOFF LUGS
72	8153	78153C	SHADOW NF. STL. ROLLER ASSY
73	8153	78153M	SHADOW NYLON ROLLER ASSY
74		SSLIC-SNE	CDW 566 OR 995
75	8385	78385C	SEWAH MORTISE STEEL DUAL LOCK W/ CRES TRIM PLATE
76		71665WTRPK	#8X3/4 X FL SS SCREW W/ TYPE "A" BIT
77		71833SS	WOOD STEEL ZINC GALV
78	17358	617358	3/32 X 3/4 OVERSIZE BEAD-HORIZONTAL
79	17351	617351	PVC BEAD-HORIZONTAL
80	17359	617359	1/16 BEAD-HORIZONTAL
81	17360	617360	VPE BEAD HORIZONTAL
82	1224	691224K	VINYL BULB WSA THRU-STRIP
83		GTAPE	1/2"X 1/8" SINGLE SIDE ADHESIVE TAPE FOR IG BEAD
100	8067	68067	ROLLER ADJ. HOLE PLUG
101		7297	JAMB BUMPER
102	1808	71808	CATST LID
103	8198	78198X	P-NOTCH
104	1667	70667	SCREEN LOCK KEEPER
105	17342	617342	FIXED PANEL CLIP - 8" LONG
106	17352	617352	EXTERIOR FIXED PANEL RETAINER
107	1739	71739	HANDLE SET - PATENTED HANDLE WITH THUMB TURN
108	1740	71740	HANDLE SET - RAISED EXTERIOR HANDLE
109	1741	7174SSN	HANDLE SET - RECESSED INTERIOR PUSH THUMB TURN
110	1732	71678	HANDLE SET - RECESSED EXTERIOR PULL
111		FSCHAPP-SCAN	#10 X 3/4" PHI PN TCK - SS
112	1220	70746	INSTP - 220 X 1/2 - PN SEAL
113	1712	94066	1-3/8" X 2-3/8" FINSEAL
114		71821SPPK	#12X1 1/2"
115		71139PPF	#10X1"
116		73210X	#8X3/4" X 1" ST. STL.
117		73213CK	#8X3/4" X 1.5" ST. STL.
118	17336	617336	CORNER RECEIVER
119	17337	617337	OUTSIDE CORNER ASTRAGAL
120	17354	617354	INSIDE CORNER ASTRAGAL

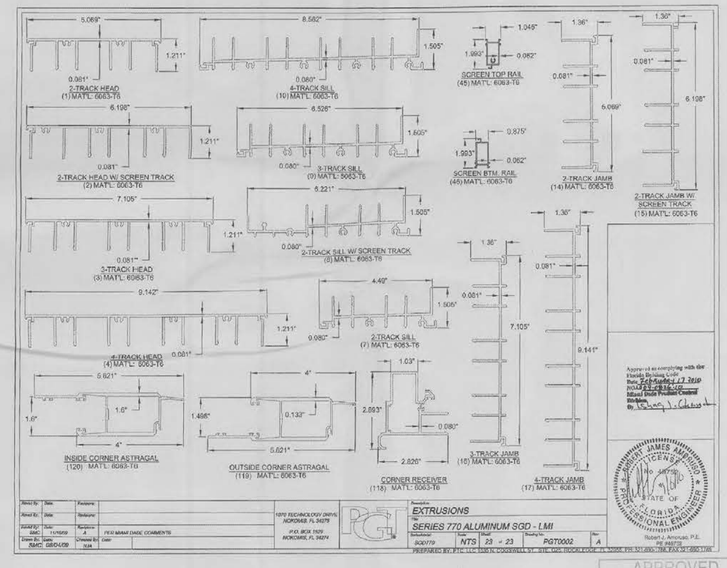
200		GLASS	LAMINATED IG 3/16T - 21B LAMINATED HEAT PVB
201		GLASS	LAMINATED IG 5/16T - 21B LAMINATED HEAT PVB
204		GLASS	21B LAMINATED HEAT SGP
205		GLASS	21B LAMINATED HEAT SGP
230		GLASS	LAMINATED IG 3/16T - 21B LAMINATED HEAT PVB
231		GLASS	LAMINATED IG 5/16T - 21B LAMINATED HEAT PVB
272		GLASS	LAMINATED IG 3/16T - 21B LAMINATED HEAT SGP
273		GLASS	LAMINATED IG 5/16T - 21B LAMINATED HEAT SGP

NOTE: ALL ALUMINUM = 6063-T6

PARTS LIST
SERIES 770 ALUMINUM SGD - LMI



EXTRUSIONS
SERIES 770 ALUMINUM SGD - LMI



APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SLU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION
APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.12

1 EXTERIOR DOOR MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - SLIDING GLASS DOOR

MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 1"X Heavy Wall Aluminum Tube Clipped Mullion-L.M.I.

APPROVAL DOCUMENT: Drawing No. **6221**, titled "1" Heavy Wall, Elevations Aluminum Tube Clipped Mullion", sheets 1 through 7 of 7, dated 04/28/00, with last revision on 05/30/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Renewal Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **renews and revises NOA # 04-0528.05** and consists of this page 1 and evidence pages E-1 and B-2, as well as approval document mentioned above.
The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**

6/26/10

NOA No 06-0125.07
Expiration Date: June 28, 2011
Approval Date: July 20, 2006
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No **6221**, titled "1" Heavy Wall, Elevations Aluminum Tube Clipped Mullion", Sheets 1 through 7 of 7, dated 04/28/00, with last revision on 05/30/06, prepared by PGT Industries, signed and sealed by Robert L. Clark, P.E.

B. TESTS
1. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows (OO configuration) 60" x 54" mulled together with a 1x 2 x. std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2902**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA # 04-0528.05"
2. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows (OO configuration) 80" x 76" mulled together with a 1x 4 x std. wall mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2903**, dated 01/05/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA # 04-0528.05"
3. Test reports on 1) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
   2) Large Missile Impact Test, FBC, TAS 201-94
   3) Cyclic Loading Test, per FBC, TAS 203-94
   along with installation diagram of a pair of fixed alum. windows with a transom lite (O/OO configuration) mulled together with a 1x 2 x 34" wall vertical mullion and a 2 x 6" x 1/4" wall horizontal mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2975**, dated 01/23/01, signed and sealed by Antonio Acevedo, P.E.
   "Submitted under NOA # 04-0528.05"

C. CALCULATIONS
1. Revised Anchor Calculations and structural analysis, complying with FBC-2004, prepared by PGT Industries, dated 05/30/06, signed and sealed by Robert L. Clark, P.E.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.07
Expiration Date: June 28, 2011
Approval Date: July 20, 2006

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

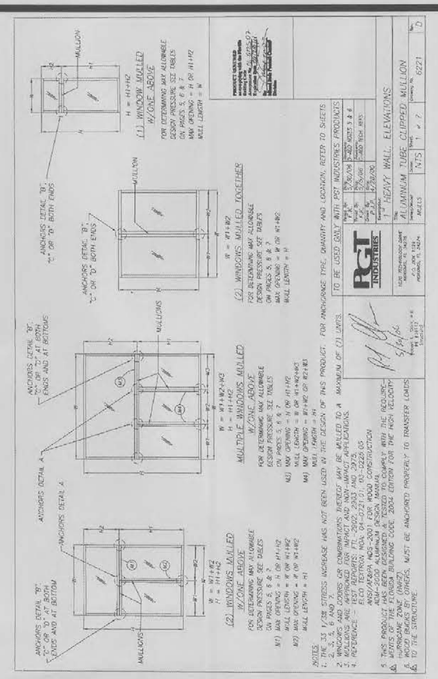
D. QUALITY ASSURANCE
1. Miami Dade Building Code Compliance Office (BCCO).

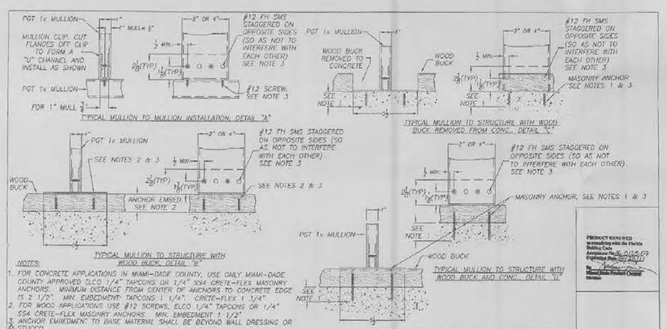
E. MATERIAL CERTIFICATIONS
1. None.

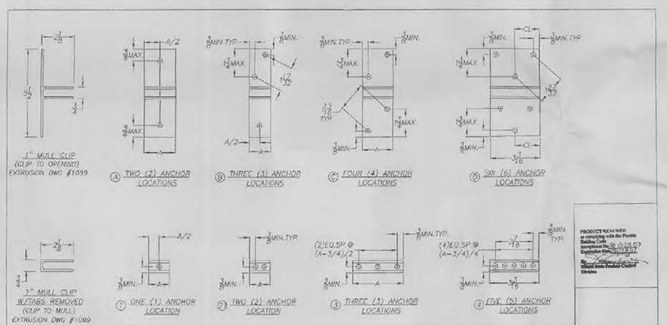
F. STATEMENTS
1. Statement letter of conformance and no financial interest, dated January 23, 2006, signed and sealed by Robert L. Clark, P.E.

G. OTHER
1. Notice of Acceptance No. **04-0528.05**, issued to PGT Industries for their 1" x Heavy Wall-Aluminum Tube Clipped Mullion, approved on 07/15/2005 and expiring on 06/28/06.

Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0125.07
Expiration Date: June 28, 2011
Approval Date: July 20, 2006







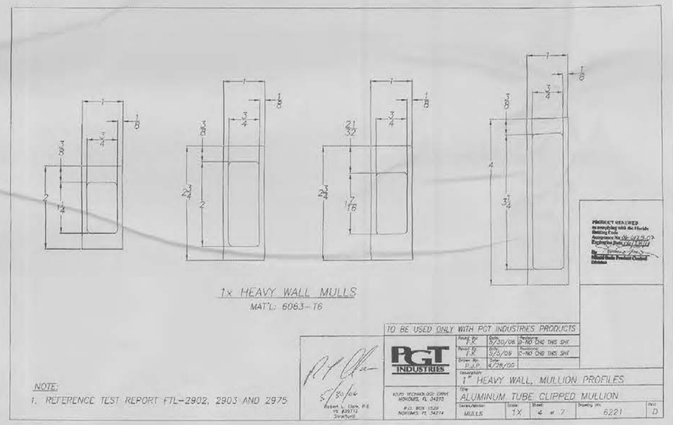


CHART 2. - 1x2.75x.375

QTY. & TYP. ANCHOR	OPENING WIDTH IN INCHES																					
	60		70		80		90		100		110		120		130		160					
CLIP TO OPENING	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B	(2) A (3) B				
CLIP TO MULL △	(3) (3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B	(3) B				
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170			
	48	170	170	170	170	161	170	154	170	150	170	148	170	149	170	149	170	149	170			
	50.625	170	170	161	170	148	170	140	170	136	170	134	170	134	170	134	170	134	170			
	54	166	170	147	170	135	165	126	153	121	146	119	142	118	141	118	141	118	141			
	60	145	152	127	131	116	116	101	107	100	100	99	96	99	93	99	92	99	92			
	63	131	131	112	112	99	99	90	90	84	84	80	80	77	77	76	76	76	76			
	66	113	113	97	97	85	85	77	77	72	72	68	68	65	65	64	64	63	63			
	72	86	86	73	73	65	65	58	58	54	54	50	50	48	48	48	48	44	44			
	78	73	73	62	62	54	54	49	49	45	45	42	42	40	40	38	38	37	36			
	84	67	67	57	57	50	50	45	45	41	41	38	38	36	36	35	35	33	33			
	90	54	54	46	46	40	40	36	36	32	32	30	30	28	28	26	26	25	25			
	96	43	43	37	37	32	32	28	28	26	26	24	24	22	22	21	21	20	20			
	108	26	26	21	21	18	18	16	16	-	-	-	-	-	-	-	-	-	-			
	111	23	23	19	19	17	17	15	15	-	-	-	-	-	-	-	-	-	-			

CHART 1. - 1x2x.375

QTY. & TYP. ANCHOR	OPENING WIDTH IN INCHES									
	50	60	70	80	90	100	110	120	130	160
CLIP TO OPENING	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B	(2) A (2) B
CLIP TO MULL △	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B	(1) B
MULL LENGTH IN INCHES	42	155	142	134	130	130	130	130	130	130
	48	139	116	107	102	100	99	99	99	99
	50.625	116	100	91	86	82	80	80	80	80
	54	94	81	73	68	64	63	62	62	62
	60	67	58	51	47	44	42	41	41	41
	63	58	49	44	40	37	35	34	34	34
	66	50	43	38	34	32	30	29	28	28
	72	38	32	29	26	24	22	21	20	20
	78	32	27	24	22	20	18	17	17	16
	84	30	26	22	20	18	17	16	15	15
	90	24	20	17	16	-	-	-	-	-
	96	19	16	-	-	-	-	-	-	-

NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975
4. ANCHOR TYPES: A. ELCO 1/4" TAPCONS, EMBED. (1 1/4") OR 1/4" SS# CRETE-FLEX, EMBED. (1 3/4")
   B. #12 SCREWS
5. SEE ANCHOR SPACING DETAILS SHEET 3.

Vertical Mull — Mull Length, Opening Width
Horizontal Mull — Opening Width, Mull Length
Multiple Mulled Units — Mull Length, Opening Width

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS
1" HEAVY WALL, PRESSURE CHARTS 1 & 2
ALUMINUM TUBE CLIPPED MULLION
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
MULLS
NTS
5 of 7
6221
D

CHART 3. - 1x2.75x.650

QTY. & TYP. ANCHOR	OPENING WIDTH IN INCHES																					
	80		60		70		80		90		100		110		120		130		160			
CLIP TO OPENING	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B	(2) A (4) B	(3) B		
CLIP TO MULL △	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B	(2) B		
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170		
	48	170	170	170	170	170	170	169	141	151	138	150	137	137	137	137	137	137	137	137		
	50.625	168	170	148	160	136	156	129	146	125	143	123	141	123	141	123	141	123	141	123		
	54	152	170	135	155	124	142	116	133	112	128	109	125	108	124	108	124	108	124	108		
	60	133	152	117	134	106	122	96	113	94	107	90	103	88	101	88	100	88	100	88		
	63	125	143	110	128	99	114	92	105	87	99	83	95	81	93	80	91	80	91	80		
	66	118	135	103	118	93	107	86	97	81	90	77	86	75	82	73	80	73	79	73		
	72	106	108	92	92	81	81	73	73	67	67	63	63	60	60	58	58	56	56	56		
	76	91	91	77	77	68	68	61	61	56	56	52	52	49	49	47	47	46	46	45		
	84	84	84	71	71	63	63	56	56	51	51	48	48	45	45	43	43	42	42	40		
	90	67	67	57	57	50	50	44	44	40	40	37	37	35	35	33	33	32	32	30		
	96	54	54	46	46	40	40	36	36	32	32	30	30	28	28	26	26	25	25	23		
	96	44	44	38	38	33	33	29	29	26	26	24	24	23	23	21	21	20	20	18		
	108	31	31	25	25	23	23	20	20	18	18	17	17	15	15	-	-	-	-	-		
	111	29	29	24	24	21	21	18	18	17	17	15	15	-	-	-	-	-	-	-		

NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975
4. ANCHOR TYPES: A. ELCO 1/4" TAPCONS, EMBED. (1 1/4") OR 1/4" SS# CRETE-FLEX, EMBED. (1 3/4")
   B. #12 SCREWS
5. SEE ANCHOR SPACING DETAILS SHEET 3.

Vertical Mull — Mull Length, Opening Width
Horizontal Mull — Opening Width, Mull Length
Multiple Mulled Units — Mull Length, Opening Width

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS
1" HEAVY WALL, PRESSURE CHART 3
ALUMINUM TUBE CLIPPED MULLION
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
MULLS
NTS
6 of 7
6221
D

CHART 4. - 1x4x.375

QTY. & TYP. ANCHOR	OPENING WIDTH IN INCHES																					
	60		70		80		90		100		110		120		130		160					
CLIP TO OPENING	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B	(2) A (4) B	(3) A (6) B				
CLIP TO MULL △	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B	(5) B				
MULL LENGTH IN INCHES	42	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170				
	48	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170				
	50.625	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170				
	54	170	170	170	170	154	170	143	170	136	170	131	170	128	170	127	170	127	170			
	60	170	170	159	170	144	170	133	170	126	170	121	170	117	169	116	166	116	165			
	66	170	170	150	170	135	170	125	170	117	166	112	156	108	150	106	145	106	144			
	72	154	170	134	170	120	165	110	148	103	138	98	127	94	120	91	115	89	112			
	78	134	170	125	160	112	143	102	128	96	118	90	108	86	102	83	98	81	95			
	84	140	170	121	148	106	129	99	118	92	100	87	90	83	93	80	89	78	87			
	84	128	156	111	137	98	102	90	92	83	83	77	77	73	73	69	69	66	66			
	90	112	112	96	96	82	82	73	73	67	67	62	62	58	58	54	54	52	52			
	96	92	92	78	78	67	67	60	60	54	54	50	50	47	47	44	44	42	42			
	108	64	64	54	54	47	47	42	42	37	37	34	34	32	32	30	30	28	28			
	111	59	59	50	50	43	43	38	38	34	34	31	31	29	29	27	27	26	26			
	144	27	27	22	22	19	19	17	17	15	15	-	-	-	-	-	-	-	-			

NOTES:
1. MAXIMUM ALLOWABLE PRESSURE IN PSF.
2. DESIGN IS BASED ON OPENING WIDTH. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME. SEE SHEET 1.
3. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975.
4. ANCHOR TYPES: A. ELCO 1/4" TAPCONS, EMBED. (1 1/4") OR 1/4" SS# CRETE-FLEX, EMBED. (1 3/4")
   B. #12 SCREWS
5. SEE ANCHOR SPACING DETAILS SHEET 3.

Vertical Mull — Mull Length, Opening Width
Horizontal Mull — Opening Width, Mull Length
Multiple Mulled Units — Mull Length, Opening Width

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS
1" HEAVY WALL, PRESSURE CHART 4
ALUMINUM TUBE CLIPPED MULLION
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275
MULLS
NTS
7 of 7
6221
D

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

REVIEWING IS ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND TO ASSIST THE CONTRACTOR TO EXPEDITE HIS WORK. FULL RESPONSIBILITY FOR THE CORRECTNESS, ADEQUACY AND ACCURACY OF THE SHOP DRAWINGS SHALL REMAIN WITH THE CONTRACTOR AND HE WILL BE EXPECTED TO COMPLY AND PERFORM IN ACCORDANCE WITH INFORMATION GIVEN IN THE ORIGINAL CONTRACT DOCUMENTS, OR AS AMENDED IN WRITING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESS OR TO TECHNIQUES OF CONSTRUCTION AND FOR COORDINATION OF THE WORK OF ALL TRADES.

BY: SLU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

I
D G
S
IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.7.10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

DISTRIBUTION

APRIL-16-2010
HISTORIC BOARD SUBMITTAL
PETITION NO: 10-C-17
VARIANCE SUBMITTAL

JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.13

MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Steel Sectional Garage Door up to 9' wide w/ Optional Impact Resistant Lites

APPROVAL DOCUMENT: Drawing No. **101706**, titled "Single-Car Steel Pan Garage Door with Opt. Impact Resist. Lites", sheet 1 of 1, dated 11/18/96, with last revision 7, dated 07/2008, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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.

LIMITATION. This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 34900 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance.

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 # 03-0520.03** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

8/4/08

NOA No 08-0724.04
Expiration Date: September 25, 2013
Approval Date: August 28, 2008
Page 1

Clopay Building Products Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **101706**, titled "Single-Car Steel Pan Garage Door with Opt. Impact Resist. Lites", sheet 1 of 1, dated 11/18/96, with last revision 7, dated 07/2008, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
   5) Tensile Test per ASTM E8
   Along with marked-up drawings and installation diagram of Clopay 9'x 8', 24 ga. steel garage door Model 94W9 with windows, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0610.01-08**, dated 07/16/08, signed and sealed by David W. Johnson, P.E.
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized coated panels, prepared by Stork Materials Technology, Test Report No. **30160-04-63365**, dated 01/26/05, signed by John D. Lee, P.E.

C. CALCULATIONS

1. Jamb anchor calculations, complying with FBC-2004, prepared by Clopay Building Products Company, dated 07/22/08, signed and sealed by Scott Hamilton, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

8/4/08
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0724.04
Expiration Date: September 25, 2013
Approval Date: August 28, 2008

E - 1

Clopay Building Products Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Test report on Accelerated Weathering Using Xenon Arc Light Apparatus per ASTM G155 of Lexan SLX2432T Clear Polycarbonate, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-06-A002**, dated 12/04/06, signed by Rafael E. Droz-Seda, P.E.
2. Test report on Self-Ignition Temperature per ASTM D1929, Rate of Burn per ASTM D635, and Smoke Density per ASTM D2843 of the Lexan Plastic, prepared by ETC Laboratories, Test Report No. **ETC-06-1024-17496.0,** dated 05/26/06, signed by Joseph L. Doldan, P.E.

F. STATEMENTS

1. Statement letter of conformance issued by Clopay Building Products Company, dated 07/18/08, signed and sealed by Scott Hamilton, P.E.
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 07/18/08, signed and sealed by Scott Hamilton, P.E.

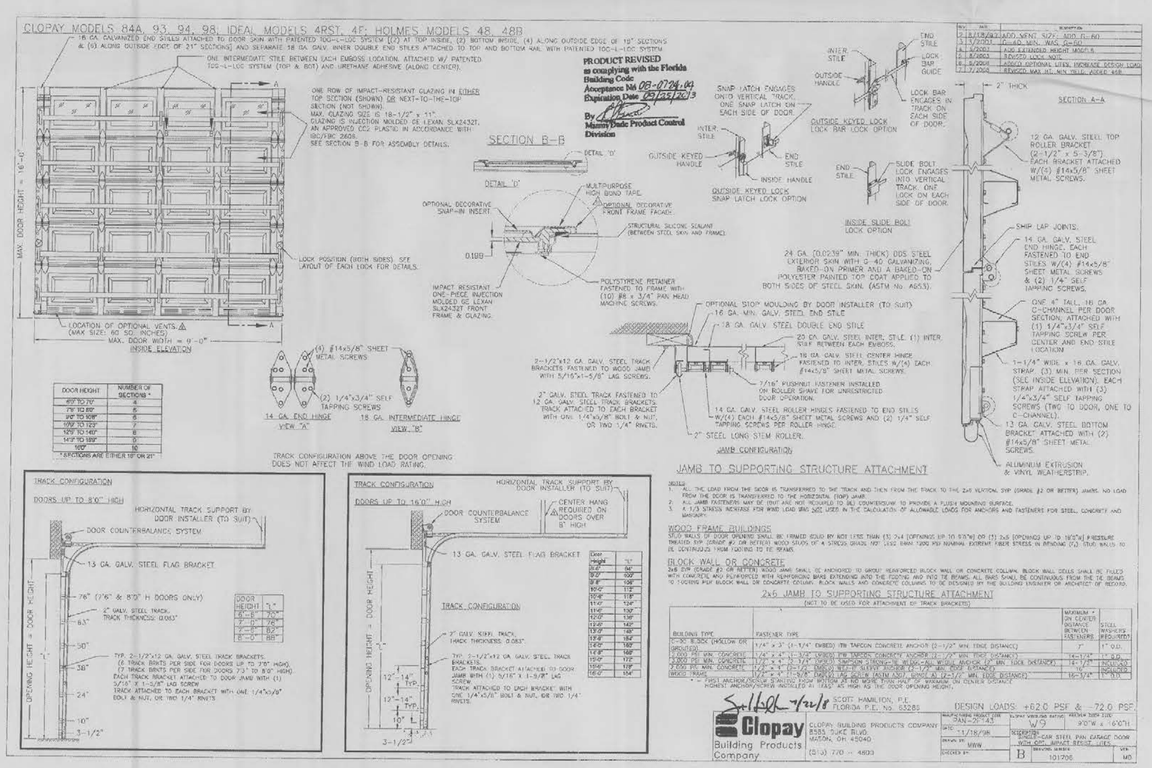
G. OTHER

1. Notice of Acceptance No. **03-0520.03**, issued to Clopay Building Products Company, approved on 09/04/03 and expiring on 09/25/08.

8/4/08
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 08-0724.04
Expiration Date: September 25, 2013
Approval Date: August 28, 2008

E - 2

CLOPAY MODELS 84A, 93, 94, 98; IDEAL MODELS 4RST, 4F; HOLMES MODELS 48, 48B



DOOR HEIGHT	NUMBER OF SECTIONS *
4'0" TO 7'0"	4
7'1" TO 8'0"	5
8'1" TO 10'0"	6
10'1" TO 12'0"	7
12'1" TO 14'0"	8
14'1" TO 16'0"	9
16'0"	10

* SECTIONS ARE EITHER 18" OR 21"

PRODUCT REVISED as complying with the Florida Building Code: Acceptance No 08-0724.04 Expiration Date 09/25/2013
By Miami-Dade Product Control Division

REV.	DATE	DESCRIPTION
2	8/18/08	ADD VENT. SIZE; ADD FL NO
3	1/7/2011	ADD MIN. MAS 24-GA
4	5/2003	ADD EXTENDED HEIGHT MODELS
5	8/2003	ADDED LOCK NOTE
6	5/2004	ADDED OPTIONAL LITES, INCREASE DESIGN LOAD
7	7/2004	REMOVED MAS 24 NON-STEEL ADDED 446

TRACK CONFIGURATION
DOORS UP TO 8'0" HIGH
HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)
DOOR COUNTERBALANCE SYSTEM
13 GA. GALV. STEEL FLAG BRACKET
7'6" (7'6" & 8'0" H DOORS ONLY)
2" GALV. STEEL TRACK. TRACK THICKNESS: 0.063"
63"
30"
7"
36"
24"
10"
3-1/2"
OPENING HEIGHT = DOOR HEIGHT

DOOR HEIGHT	"L"
7'-0"	76"
7'-6"	82"
8'-0"	88"

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKETS. (6 TRACK BRKTS PER SIDE FOR DOORS UP TO 7'0" HIGH) (7 TRACK BRKTS PER SIDE FOR DOORS 7'1" TO 8'0" HIGH) EACH TRACK BRACKET ATTACHED TO DOOR JAMB WITH (1) 5/16" X 1-1/2" LAG SCREW. TRACK ATTACHED TO EACH BRACKET WITH ONE 1/4"x5/8" BOLT & NUT, OR TWO 1/4" RIVETS.

TRACK CONFIGURATION
DOORS UP TO 16'0" HIGH
HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)
CENTER HANG REQUIRED ON DOORS OVER 8' HIGH
DOOR COUNTERBALANCE SYSTEM
13 GA. GALV. STEEL FLAG BRACKET
TRACK CONFIGURATION
3" GALV. STEEL TRACK. TRACK THICKNESS: 0.083"
TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKETS. EACH TRACK BRACKET ATTACHED TO DOOR JAMB WITH (1) 5/16" X 1-1/2" LAG SCREW. TRACK ATTACHED TO EACH BRACKET WITH ONE 1/4"x5/8" BOLT & NUT, OR TWO 1/4" RIVETS.
12"-14" TYP.
10" TYP.
3-1/2"
OPENING HEIGHT = DOOR HEIGHT

Door Height	"L"
8'-0"	86"
9'-0"	100"
9'-6"	112"
10'-0"	118"
11'-0"	130"
11'-6"	136"
12'-0"	142"
12'-6"	148"
13'-0"	154"
13'-6"	160"
14'-0"	166"
15'-0"	178"
15'-6"	184"
16'-0"	190"

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SHIP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. ALL JAMB FASTENERS MAY BE OFFSET AND NOT REQUIRED TO BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
3. A 1.3 STRESS INCREASE FOR WIND LOAD MAY NOT BE USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

WOOD FRAME BUILDINGS
SIDE WALLS OF DOOR OPENING SHALL BE FRAMED EQUAL BY NOT LESS THAN (3) 2x4 (OPTIONS UP TO 9'3"W) OR (3) 2x6 (OPENINGS UP TO 16'0"W) if RESSURE TREATED SYP (GRADE #2 OR BETTER) WOOD STUDS OF A SPECIES GRADE NOT LESS THAN SPF NO 2 NOMINAL EXTERIOR GRADE STUDS IN SPACING (2) STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

BLOCK WALL OR CONCRETE
2x6 JAMB (GRADE #2 OR BETTER) WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE MIX ALLOWANCES WITH REINFORCING BARS EXTENDED INTO THE FOOTING AND TIED TO BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING. FOR BLOCK WALL OR CONCRETE COLUMN, BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT
(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	MINIMUM # ON CENTER DISTANCE BETWEEN FASTENERS	STEEL THICKNESS REQUIRED
1.) SC BLOCK (HOLLOW CR GROUTED)	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	7"	16 GA
2.) 2,000 PSI MIN. CONCRETE	1/4" x 3" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2 1/2" MIN. EDGE DISTANCE)	14"-17"	14 GA
3.) 2,000 PSI MIN. CONCRETE	1/4" x 3" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2 1/2" MIN. EDGE DISTANCE)	14"-17"	16 GA (MIN. STOCK THICKNESS)
4.) 2,000 PSI MIN. CONCRETE	1/4" x 3" (1-3/4" EMBED) 3/16" DIA. STEEL WEDGE ANCHOR (2 1/2" MIN. EDGE DISTANCE)	14"-17"	16 GA
WOOD FRAME	#14 x 3" (1-1/2" MIN. PENETRATION) SELF TAPPING SCREW (2-1/2" MIN. EDGE DISTANCE)	16"-17"	16 GA

* FIRST ANCHOR (SCREW) SHALL BE FROM BOTTOM OF THE WORK, NOT MORE THAN MAXIMUM ON CENTER DISTANCE ABOVE CONCRETE, MASONRY OR WOOD SUBSTRATE.
** FIRST ANCHOR (SCREW) SHALL BE FROM BOTTOM OF THE WORK, NOT MORE THAN MAXIMUM ON OWNER'S DISTANCE MOMENT ANCHOR/SCREW INSTALLED AT 16.67 MIN. FROM TOP OF THE DOOR OPENING HEIGHT.

Scott Hamilton 7/21/08
SCOTT HAMILTON, P.E.
FLORIDA P.E. No. 63281

DESIGN LOADS: +62.0 PSF & -72.0 PSF

Clopay Building Products Company
CLOPAY BUILDING PRODUCTS COMPANY
8585 DUKE BLVD.
MASON, OH 45040
(513) 770 -- 4800

MANUFACTURING PRODUCT CODE	PAN-20-144
DATE	11/18/96
DRAWN BY	MRW
CHECKED BY	
SCALE	NONE
SHEET SIZE	B
SLOPE VARIES DUE TO	WIND SPEED
MODEL NUMBER	W9
DESCRIPTION	9'0"W x 7'6"H
DRAWING NUMBER	101706
REV.	7

1 MIAMI-DADE COUNTY PRODUCT APPROVALS AND NOA - GARAGE DOOR

APPROVED
NOV 5 2010
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

☒ REVIEWED ☐ NOT APPROVED
☐ REVIEWED AS NOTED ☐ REVISE & RESUBMIT

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BY: SNU
IN-SITE DESIGN GROUP, INC
DATE: 7.9.10

IN-SITE DESIGN GROUP INC
1609 RODMAN STREET
HOLLYWOOD, FLORIDA 33020
AA26001758
954 921 5333
FAX 954 921 6769
PROJECT COORDINATOR:
ANNIE CARRUTHERS
CGC 1511058
ARCHITECT
SAMUEL R. UCCELLO

7.9.10
SEAL
STATE OF FLORIDA LICENSE No AR-0015997

PROJECT:
SULLIVAN RESIDENCE

ADDRESS:
1128 N. NORTHLAKE DR.
HOLLYWOOD, FL 33019

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PETITION NO: 10-C-17
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JULY-12-2010
PERMIT SUBMITTAL

REVISIONS

Date Of Issue
JULY12-10

PRODUCT APPROVALS
A-11.14

U.S. GENERAL NOTES

1. **HOLES:** Holes are by others unless otherwise indicated. Fields-cut holes thru the units may not cut prestressed strands without prior written approval from Pre-Cast Specialties Inc. Engineering Department.
2. **VERTICAL RISERS:** The general contractor shall insure that vertical risers, etc., do not interfere with placement of Hollow Core units.
3. **HANDLING:** Hollow Core units may not be lifted by inserting hooks, bars or other lifting devices into the voids, and may not be inverted. Hollow Core units must be lifted 1'-0" from the end only.
4. **DIMENSIONS AND DETAILS:** The customer and/or his agent will be responsible for all dimension and details taken from the contract drawings and shown hereon. PCSI will not be responsible for any changes made after approval of these drawings.
5. **ROOF UNITS:** Slight vertical movement of precast concrete roof units is anticipated but can be reduced by proper insulation. PCSI recommends a physical separation of the plaster at the intersection of non-bearing walls and ceilings.
6. **CAMBER:** Camber is an inherent condition in all prestressed flexural members and the general contractor shall make allowances for same. If additional thickness of topping is needed for leveling purposes, contact our engineering department for approval. Highest estimated camber at time of erection: 3/8"
7. **CONCRETE:** Strength of concrete shall be a minimum of 6000 psi at 28 days. Structural topping where specified shall be of 4000 psi 28 day strength concrete, reinforced with 6 x 6 - 10/10 welded wire mesh. The thickness of such topping shall be a minimum of 2 inches at the center of the span and may vary due to camber or deflection from the center to the supports as required for a level surface. The topping pour and all materials required same are by others.
8. **GROUTING:** All joints between slabs shall be fully packed with a pourable grout consisting of 1 part Portland Cement to 3 parts clean sand. The grouted deck shall be allowed to cure before removing any leveling shores, cutting any holes or applying any further construction loads.

   THE OPERATION OF GROUTING THE HOLLOW CORE SLABS KEYWAYS MUST BE PERFORMED REGARDLESS OF ANY TOPPING BEING APPLIED TO HOLLOW CORE SLABS.
9. **PRESTRESSED STRANDS:** Strands to be 7 wire, 3/8" dia., tensioned to 13800 lbs. each for 3'-4" planks. (7 wire, 1/2" dia., tensioned to 28900 lbs. for 4'-0" planks). The number of strands are indicated by the first two digits following the letter HC or US in the designation.
10. TOLERANCES:

Width			
Full Width Units	± 1/4"	Length	± 1"
Saw Cut Units	± 1/2"	Thickness	± 1/4"
Split Units	± 1 1/2"	Deviation From Square	± 1"

11. DESIGN LOADS:

SECOND FLOOR: 8" U.S. W/65 P.S.F. (L.L.=40 P.S.F. + D.L.=25 P.S.F.) & ± 2" TOPPING

12. Minor cracking (hairline and tension) will occur in precast/prestressed concrete created by shrinkage of concrete and temporary loads during production, transportation or erection without being structurally detrimental to the units. These cracks have no structural significance and does not affect durability of these units. Cracking should not be cause for rejection, when properly repaired.
13. **FIRE RESISTANCE:** All Precast/Prestressed concrete products shown on these shop drawings have a maximum fire resistance of one (1) hour, unless indicated otherwise
14. All Precast/Prestressed concrete products shown on these shop drawings are structural quality, any rework/finishing necessary for final architectural appearance is by others.
15. TIE BEAMS: Tie beams must be true, level and free of knots. If precast perimeter beams or knockout blocks are used, they must be COMPLETELY FILLED.
16. **ACCESS:** General Contractor agrees to provide and maintain for the duration of precast installation, stabilized access, acceptable to PCSI so trucks and cranes can move under their own power to various points of erection with no overhead obstruction. Customer accepts all liability for deliveries beyond the curb line, including all underground utilities and cost for loss of time. PCSI reserves the right to stop deliveries and/or erection in the event such conditions are not provided.

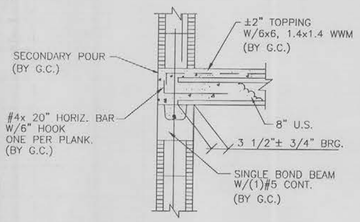
▲ THIS SYMBOL INDICATES SAWCUT OR SPLIT EDGE OF HOLLOW CORE PLANKS.

WHERE STRUCTURAL TOPPING IS TO BE APPLIED, PLANKS ARE TO BE THOROUGHLY CLEANED AND PREPARED BY G.C. PRIOR TO TOPPING TO INSURE ADEQUATE BOND STRENGTH.

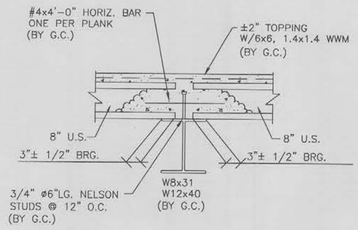
TIE BEAMS MUST BE TRUE, LEVEL AND FREE OF KNOTS. IF PRECAST PERIMETER BEAMS OR KNOCKOUT BLOCKS ARE USED, THEY MUST BE COMPLETELY FILLED.

ALL NON BEARING WALLS SHOULD BE HELD DOWN 1" UNTIL SLABS ARE SET AND GROUTED AND ALL DEAD LOADS ARE APPLIED TO THE SLABS BEFORE DRY PACKING THE GAP BETWEEN THE NON BEARING WALL AND THE SLAB.

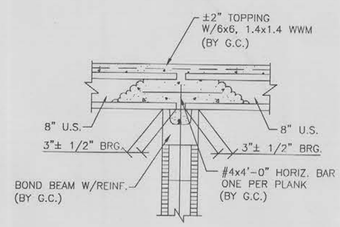
Dowels must be placed in the beams in a manner to allow the proper bearing of our product as detailed in our different sections. Non compliance with this item may delay the erection of these product with additional cost to the General Contractor.



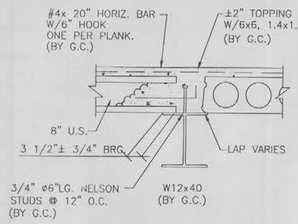
1/1 SECTION
SCALE: 3/4" = 1'-0"



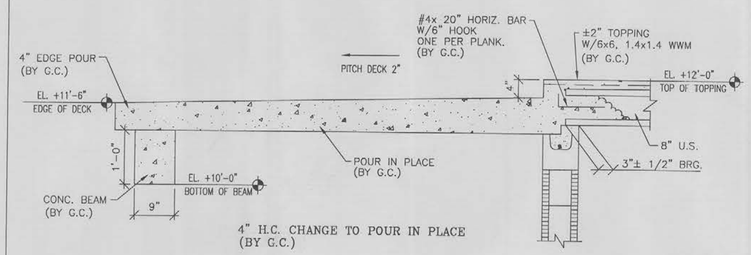
2/1 SECTION
SCALE: 3/4" = 1'-0"



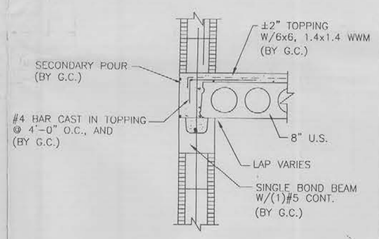
3/1 SECTION
SCALE: 3/4" = 1'-0"



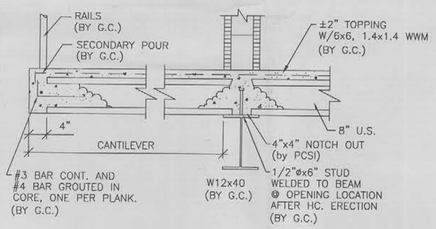
4/1 SECTION
SCALE: 3/4" = 1'-0"



5/1 SECTION
SCALE: 3/4" = 1'-0"



6/1 SECTION
SCALE: 3/4" = 1'-0"

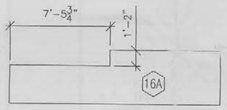


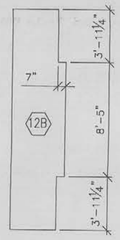
7/1 SECTION
SCALE: 3/4" = 1'-0"

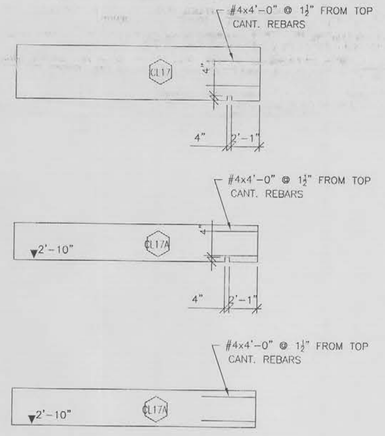
ALLOWABLE LOADS		
with Topp.	no Topp.	REV.
65		△

HOLLOW CORE (US) SCHEDULE

MARK	UNIT	No Required 2nd. FLOOR	LENGTH	WIDTH	REMARKS
9	8"US-038	4	18'-7"	4'-0"	–
9A	8"US-038	1	18'-7"	2'-9 1/2"	SAWCUT
10	8"US-038	7	16'-1"	4'-0"	–
11	8"US-038	4	18'-11"	4'-0"	–
12	8"US-038	2	16'-3 1/2"	4'-0"	–
12A	8"US-038	1	16'-3 1/2"	2'-3 1/2"	SAWCUT
12B	8"US-038	1	16'-3 1/2"	4'-0"	W/C.O.
13A	8"US-038	1	8'-5"	1'-8"	SAWCUT
14A	8"US-048	2	22'-4"	2'-1"	SAWCUT
15	8"US-038	2	13'-5"	4'-0"	–
15A	8"US-038	1	13'-5"	2'-1 1/2"	SAWCUT
16A	8"US-038	1	15'-9 1/2"	4'-0"	W/C.O.
16B	8"US-038	1	15'-9 1/2"	2'-9 1/2"	SAWCUT
16C	8"US-038	1	15'-9 1/2"	2'-3 1/2"	SAWCUT
L17	8"US-038	1	18'-2"	4'-0"	1'-11" CANT. ONE END
L17A	8"US-038	1	18'-2"	2'-10"	1'-11" CANT. ONE END-SAWCUT
L17B	8"US-038	1	18'-2"	2'-10"	1'-11" CANT. ONE END-SAWCUT

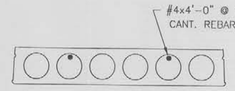






APR 11 2012

APPROVED DRAWINGS



APPROVED
VOID
MAY - 7 2012
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

SCHEDULE / SECTIONS & GENERAL NOTES

04/02/12	CHANGE 4" H.C. TO POUR IN PLACE (BY G.C.)	J.C.
DATE	DESCRIPTION	BY
	— REVISIONS —	

ENGR.	DATE
CHECKED S.M.	DATE 04/09/12
DRAWN J.C.	DATE 03/22/12

SEAL

4/16/12

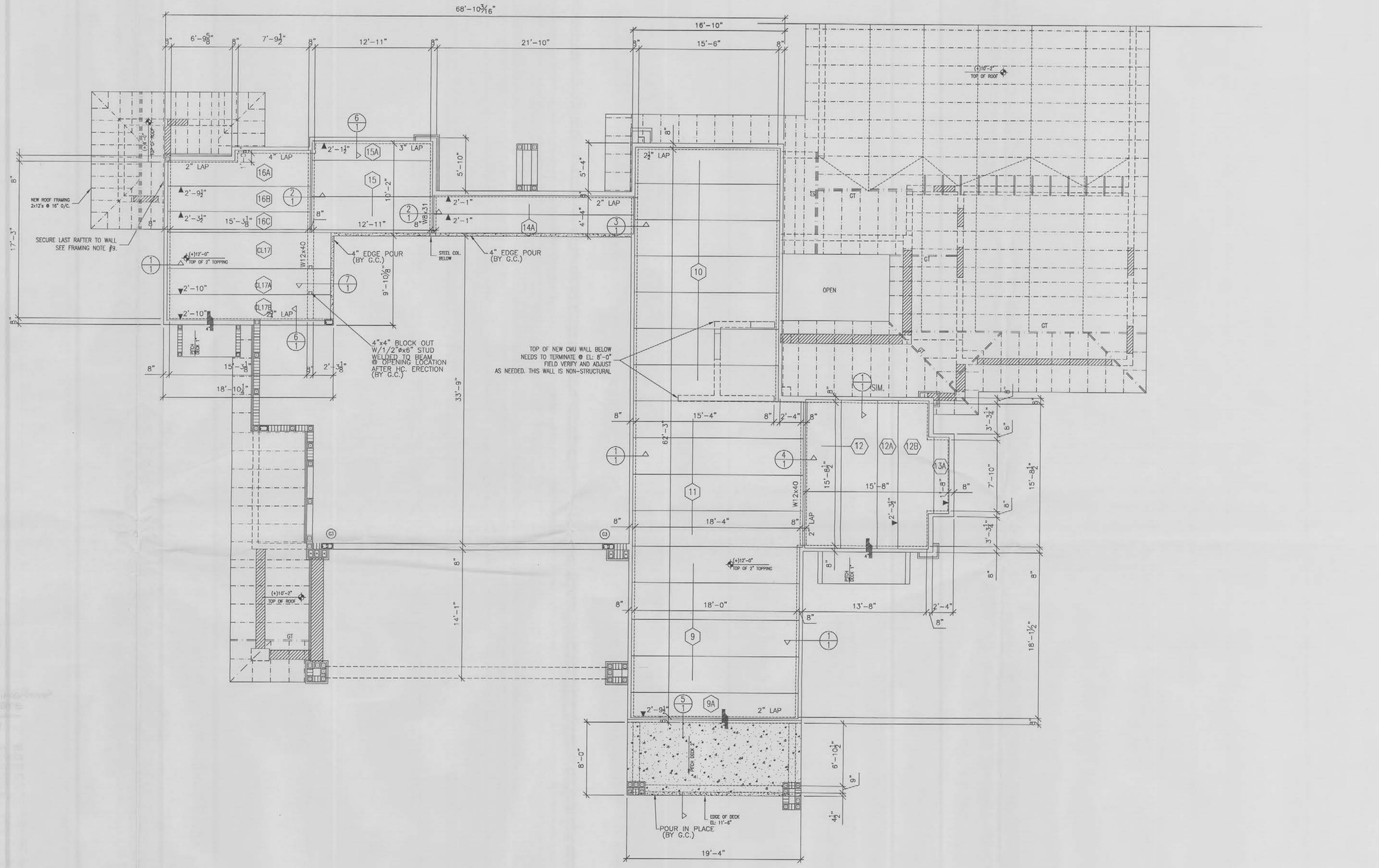
PROJECT:
SULLIVAN RESIDENCE
1128 NORTH NORTHLAKE DR. HOLLYWOOD, FL.

CONTR.: BARRON DEVELOPMENT
TEL.: (954) 749-7295

PRE-CAST/PRESTRESS ENGR.
JOHN P. McGREW, P.E.
FLORIDA P.E. NO: 26641

APPROVED DATE	SHEET NO.	WO#:
04/06/12	1	P-12-5649

Pre-Cast Specialties, Inc.
1380 N.E. 48th. St. Pompano Beach, FL. 33064
PHONE: 1-800-749-4041 FAX: 954-781-1194



SECOND FLOOR FRAMING PLAN

SCALE: 3/16"=1'-0"

8" U.S. W/65 P.S.F. & ± 2" TOPPING

2nd. FLOOR

APPROVED
MAY - 7 2012
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

04/02/12	4" H.C. CHANGE TO POUR IN PLACE BY G.C.	J.C.
DATE	DESCRIPTION	BY

REVISIONS

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CHECKED DATE S.M. 04/09/12
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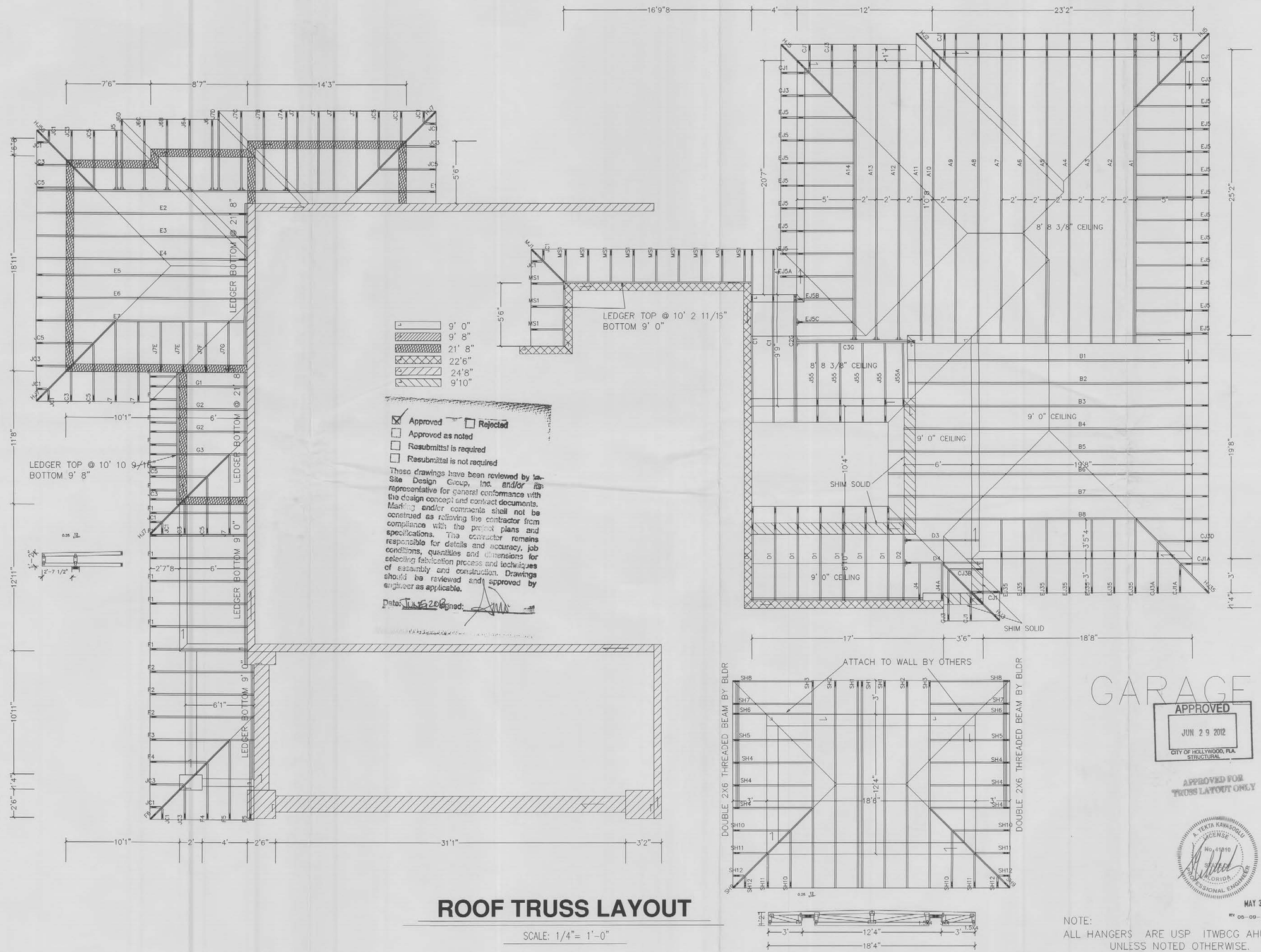


Approved ☒ Rejected
☐ Approved as noted
☐ Resubmittal is required
☐ Resubmittal is not required

These drawings have been reviewed by Ta-Site Design Group, Inc. and/or its representative for general conformance with the design concept and contract documents. Marking and/or comments shall not be construed as relieving the contractor from compliance with the project plans and specifications. The contractor remains responsible for details and accuracy, job conditions, quantities and dimensions for selecting fabrication process and techniques of assembly and construction. Drawings should be reviewed and approved by engineer as applicable.

Date: JUN 15 2012 Signed:

ROOF TRUSS LAYOUT

SCALE: 1/4"= 1'-0"

GARAGE

APPROVED
JUN 29 2012
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

APPROVED FOR TRUSS LAYOUT ONLY

A. TEKTA KAVASOGLU LICENSE No. 41810 STATE OF FLORIDA PROFESSIONAL ENGINEER

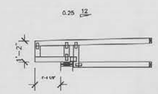
MAY 31 2012

REV 05-09-12

NOTE:
ALL HANGERS ARE USP ITWBCG AHU26 UNLESS NOTED OTHERWISE.

TRUSS LOADING CONDITIONS			
ROOF TRUSSES		FLOOR TRUSSES	
TOP CHORD LIVE:	20.0	TOP CHORD LIVE:	NA
TOP CHORD DEAD:	15.0	TOP CHORD DEAD:	NA
BOTTOM CHORD LIVE:	10.0	BOTTOM CHORD LIVE:	NA
BOTTOM CHORD DEAD:	10.0	BOTTOM CHORD DEAD:	NA
TOTAL LOAD (PSF)	55.0	TOTAL LOAD (PSF)	NA
STRESS INCREASE:	1.25	STRESS INCREASE:	NA

THIS TRUSS SYSTEM HAS BEEN DESIGNED WITH LOADS GENERATED BY 140 MPH WINDS USING 5.0 PSF TOP CHORD DEAD LOAD AND 5.0 PSF BOTTOM CHORD DEAD LOAD , CAT. 2, EXP. C (ASCE 7-05)



GARAGE AREA ONLY

TRUSS END DETAIL

NOTICE

Field Bracing is not the responsibility of the truss fabricator, truss designer, nor plate manufacturer. Persons erecting trusses are cautioned to seek professional advice regarding erection bracing which is always required to prevent toppling and dominoing during erection, and permanent bracing which may be required in specific applications. Trusses shall be erected and fastened in a straight and plumb position. When no sheathing is applied directly to the top chords, they shall be braced at 24" o.c. max. Where no rigid ceiling is applied directly to the bottom chords, they shall be braced at 6'-0" o.c. max. Trusses shall be handled with reasonable care during erection to prevent excessive damage or personal injury.

See Engineering for connections, nailing schedules, etc.

NOTE: Labeling trusses is a service, not a requirement. Engineered drawings supercede labeling of trusses. It is the responsibility of the builder to utilize engineered drawings when erecting trusses.

Girder truss to girder truss connections which exceed the capacity of a standard hanger or truss to wall connections are the responsibility of the builder.

GENERAL NOTES

1. TRUSSES SPACED 24" ON CENTER, U.O.N.
2. ALL WALL, BEAM & COLUMN MOUNTED TRUSS HANGERS BY BUILDER.
3. SOME DOWN FRAMING BY BUILDER.
4. SOME VALLEY FRAMING BY BUILDER.
5. BOT.= BOTTOM OF TRUSS FROM ELEV. 0'-0"

NOTICE: PLEASE CONTACT F.Q.T. PRIOR TO ANY ALTERATION OF TRUSSES PROVIDED BY US. F.Q.T. WILL NOT BE RESPONSIBLE FOR ANY TRUSS CUT OR ALTERED WITHOUT PRIOR WRITTEN AUTHORIZATION

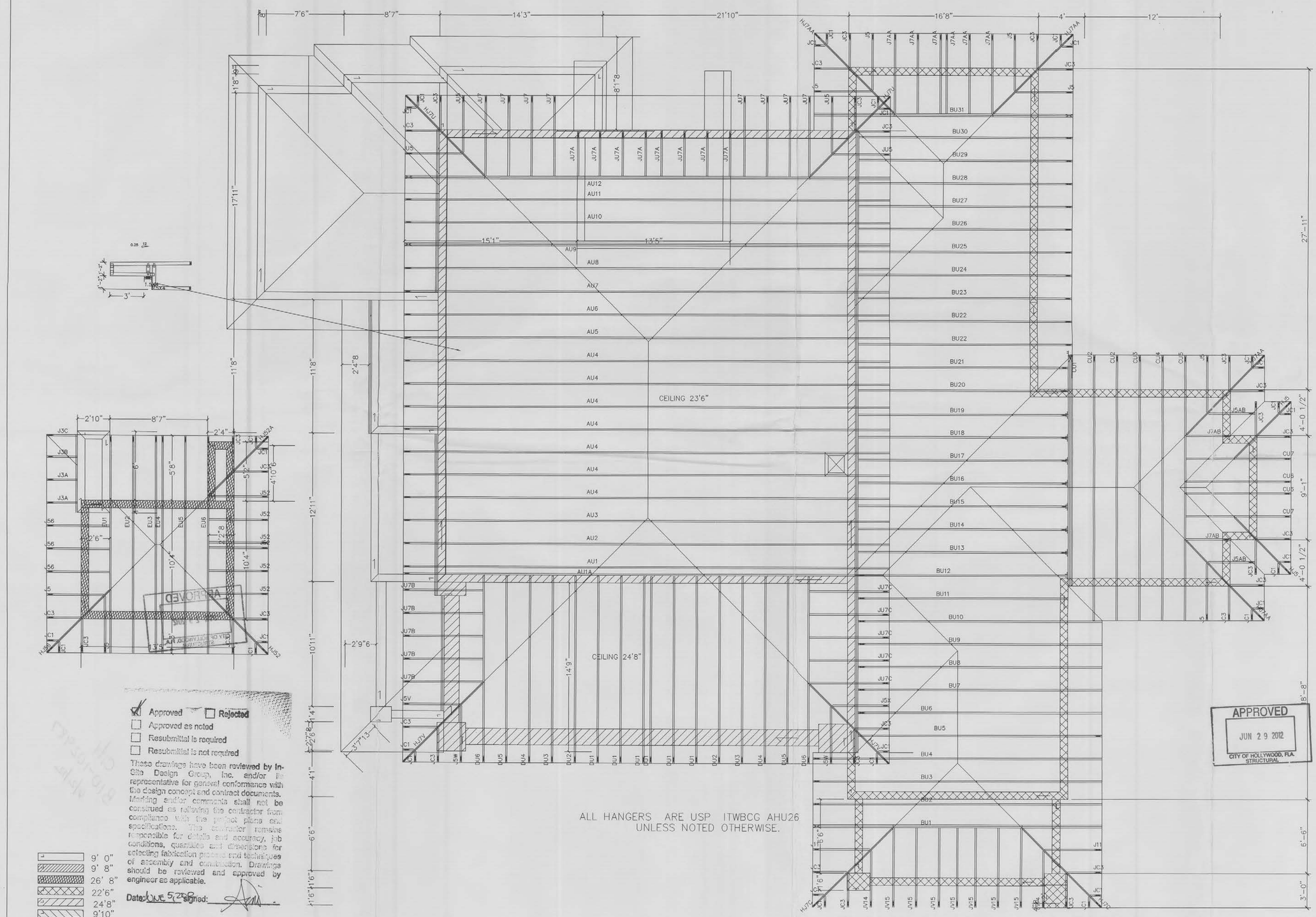
FLORIDA QUALITY TRUSS
TEL: (954) 975-3384
FAX: (954) 978-8980
3635 PARK CENTRAL BLVD.
POMPANO BEACH, FL. 33064

SHOP DRAWING APPROVAL

THIS DRAWING IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER LAYOUTS. APPROVAL OF THIS LAYOUT IS NECESSARY BEFORE ANY WORK CAN BE DONE. PLEASE VERIFY AND/OR INDICATE TRUSS PLACEMENT, DIRECTIONS, DIMENSIONS, BEARING CONDITIONS, PITCHES, SHAPES, OVERHANGS, CHIMNEY, CUPOLA LOADS AND CONNECTIONS SHALL BE SUPPLIED BY A/E OF RECORD.

Approved By: Date:

CUSTOMER:	BARRON DEVELOPMENT		
DATE: 04-12-12	REV: 04-17-12	BY: GREG	
SCALE: 1/4"=1'-0"	SULLIVAN RESIDENCE	SHEET:	
SUBDIV:	HOLLYWOOD	PROJECT NO.	1 OF 2
COUNTY:	BROWARD	DWG NO.	11284
LOT/BLOCK:	1128 N NORTHLAKE DR.		



TRUSS LOADING CONDITIONS			
ROOF TRUSSES		FLOOR TRUSSES	
TOP CHORD LIVE:	30.0	TOP CHORD LIVE:	NA
TOP CHORD DEAD:	15.0	TOP CHORD DEAD:	NA
BOTTOM CHORD LIVE:	00.0	BOTTOM CHORD LIVE:	NA
BOTTOM CHORD DEAD:	10.0	BOTTOM CHORD DEAD:	NA
TOTAL LOAD (PSF)	55.0	TOTAL LOAD (PSF):	NA
STRESS INCREASE:	1.25	STRESS INCREASE:	NA

THIS TRUSS SYSTEM HAS BEEN DESIGNED WITH LOADS GENERATED BY 140 MPH WINDS USING 5.0 PSF TOP CHORD DEAD LOAD AND 5.0 PSF BOTTOM CHORD DEAD LOAD , CAT. 2, EXP. C (ASCE 7-05)

TRUSS END DETAIL

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Approved By: Date:

APPROVED FOR TRUSS LAYOUT ONLY

A. YEKTA KAVASOGLU LICENSE NO. 49... STATE OF FLORIDA PROFESSIONAL ENGINEER

MAY 31 2012

Approved
Rejected
Approved as noted
Resubmittal is required
Resubmittal is not required

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Date: JUNE 5, 2012 Signed:

APPROVED
JUN 29 2012
CITY OF HOLLYWOOD, FLA.
STRUCTURAL

ALL HANGERS ARE USP ITWBCG AHU26 UNLESS NOTED OTHERWISE.

CUSTOMER:	BARRON DEVELOPMENT
DATE: 05-10-12	REV: 05-31-12 BY: GREG
SCALE: 1/4"=1'-0"	SULLIVAN RESIDENCE SALES:
SUBDIV.	HOLLYWOOD PROJECT NO. 2 OF 2
COUNTY:	BROWARD
LOT/BLOCK:	1128 N NORTHLAKE DR. DWG NO. 11284