



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

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series SH-800 Mid-Rise Aluminum Single Hung Window – Large Missile Impact

APPROVAL DOCUMENT: Drawing No. 4065-1, dated 04/24/02, with revision C dated 11/5/02, titled "Mid-Rise, Alum. Single Hung Window", Sheets 1 through 5, prepared by manufacturer, signed and sealed by Robert L. Clark, 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 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.

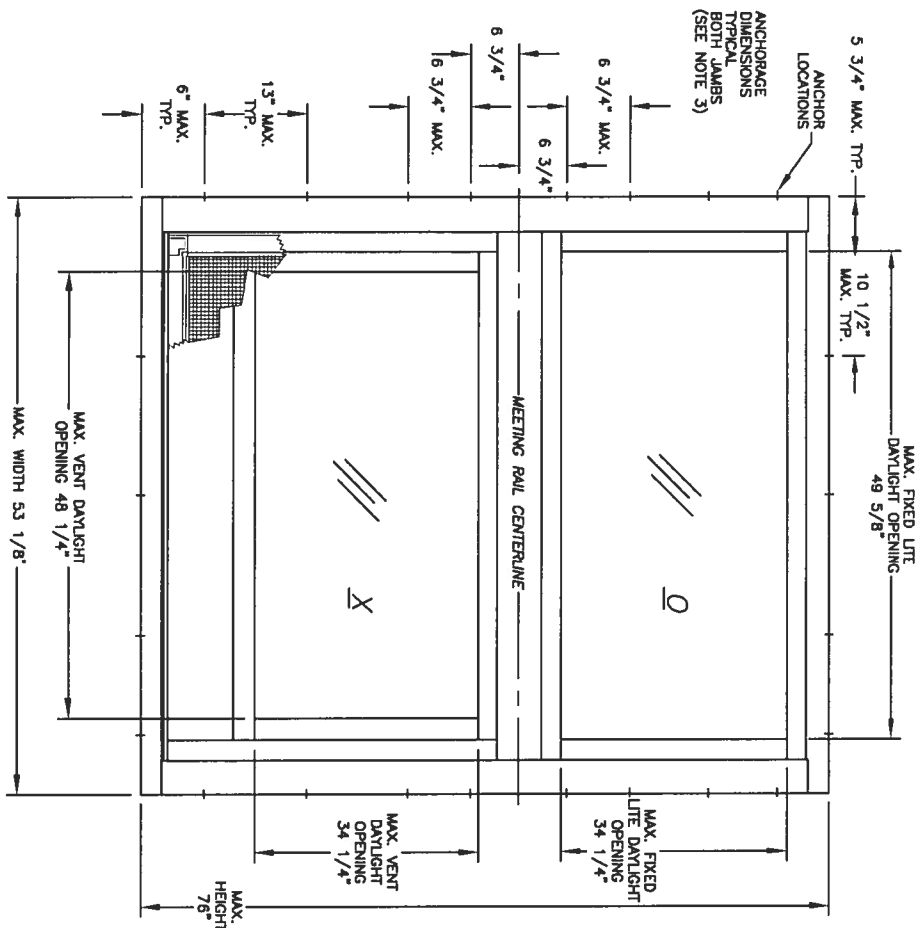
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 consists of this page 1 as well as approval document mentioned above.

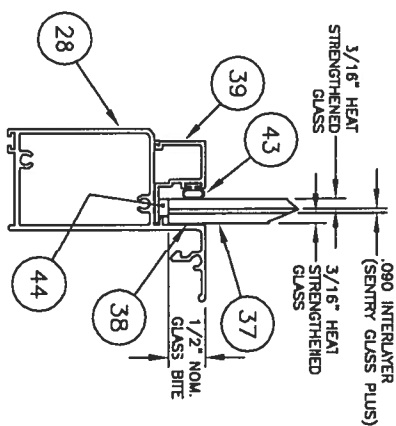
The submitted documentation was reviewed by Manuel Perez, P.E.

NOA No 02-0719.05
Expiration Date: December 13, 2007
Approval Date: December 13, 2002
Page 1



SEE SHEET 2 OF 5 FOR SECTION DETAILS

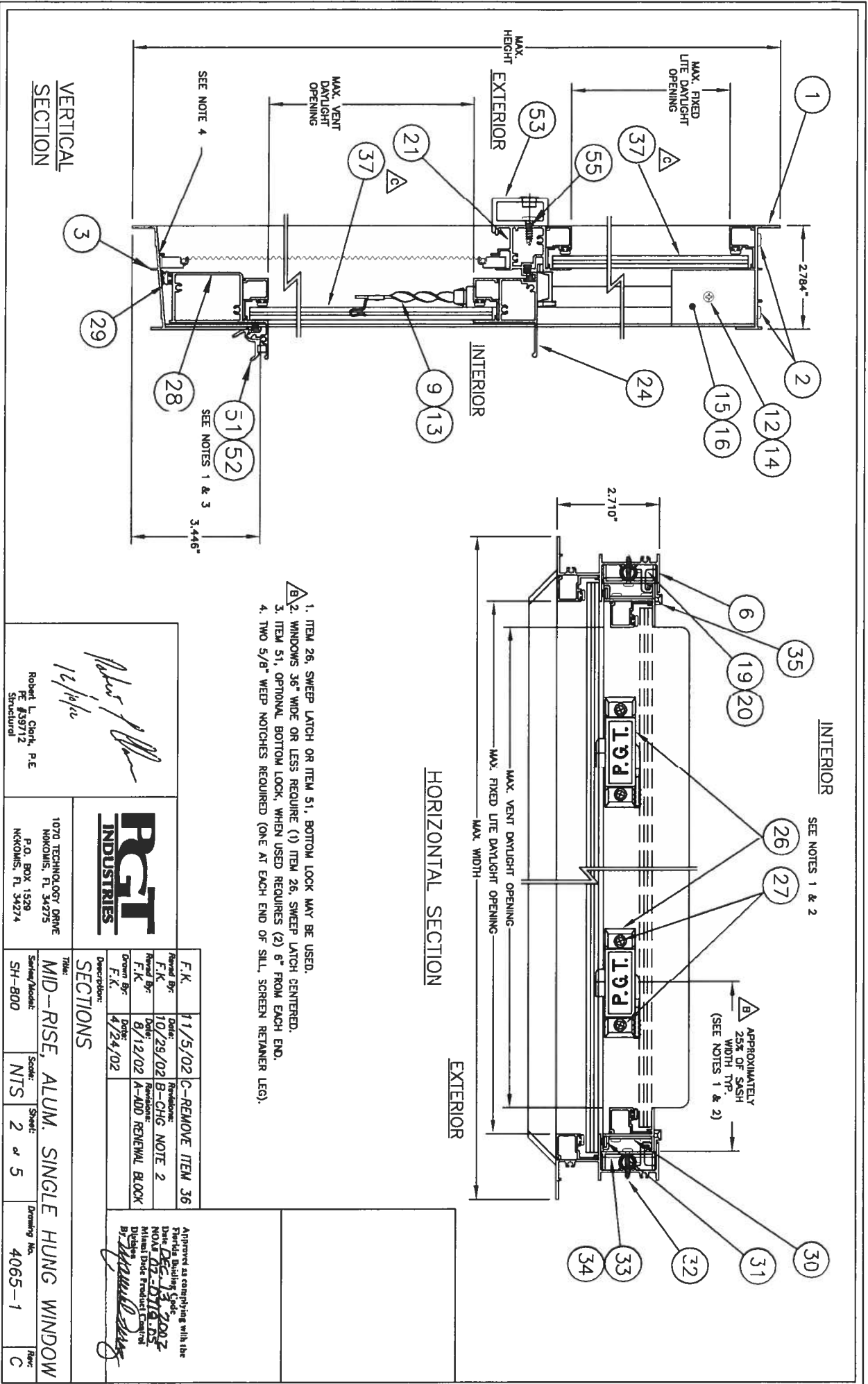
NOTES: LARGE MISSILE IMPACT WINDOW

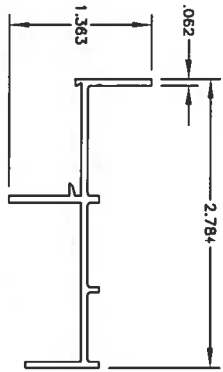


F.K.	1/15/02	C-CORRECT NOTE	3
Revised By:	Date:	Revised:	
F.K.	10/29/02	NO CHG THIS SHIT	
Revised By:	Date:	Revised:	
F.K.	8/12/02	A-ANCHOR SPACING CHG	
Drawn By:	Date:		
F.K.	4/24/02		

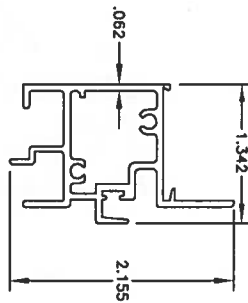
Approved as complying with the
 Detail Bidding Code
 Date Dec 13 2002
 NOAR 07-0719-05
 Miami Data Review Center
 Drawn by William S. King

Description: ELEVATION & GLAZING DETAIL (LG MISSILE)			
Title: MID-RISE, ALUM. SINGLE HUNG WINDOW			
Series/Model: SH-800	Scale: N.T.S.	Sheet: 1 of 5	Drawing No. 4065-1
			Rev: C

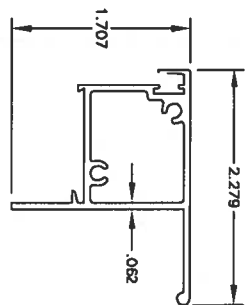




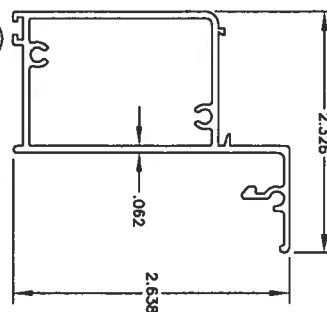
① FLANGE FRAME HEAD
MAT'L: 6063-T5
DWG# 4002



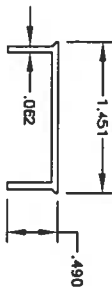
②1 EXD. MEETING RAIL
MAT'L: 6063HS-T54
DWG# 4054A



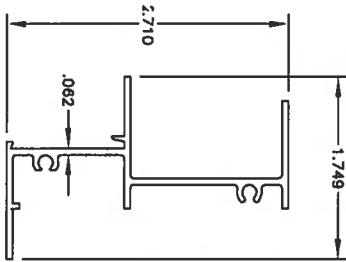
②4 SASH TOP RAIL
MAT'L: 6063HS-T54
DWG# 4006C



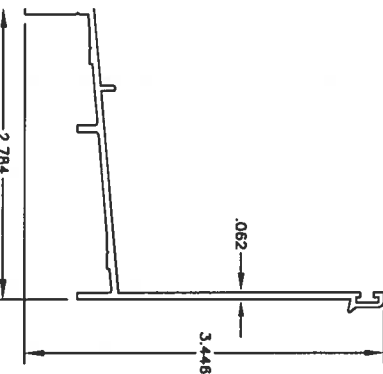
②8 SASH BOT. RAIL
MAT'L: 6063-T5
DWG# 4051A



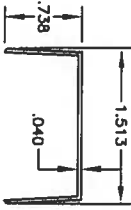
①5 SASH STOP
MAT'L: 6063-T5
DWG# 4025



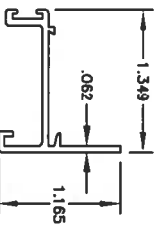
⑥ FLANGE FRAME JAMB
MAT'L: 6063-T5
DWG# 4004



③ FLANGE FRAME SILL
MAT'L: 6063-T5
DWG# 4050A



①6 SASH STOP COVER
MAT'L: 6063-T5
DWG# 4053



③3 SASH SIDE RAIL
MAT'L: 6063-T5
DWG# 4008

Robert L. Clout, P.E.
12/10/02
Robert L. Clout, P.E.
PE #39712
Structural

PCT
INDUSTRIES

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

F.K.	Date	Description	Revised By	Date	Description	Revised By	Date	Description
F.K.	11/5/02	C-CORRECT ITEM 15						
F.K.	10/29/02	B-NO CHG THIS SHT						
F.K.	8/12/02	A-700 RENEWAL BLOCK						
F.K.	4/24/02							

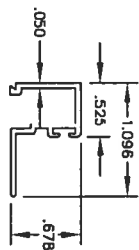
EXTRUSION PROFILES

MID-RISE, ALUM. SINGLE HUNG WINDOW

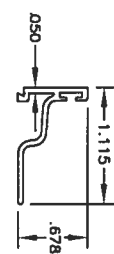
SH-800 NTS 3 of 5 4065-1 C

Approved as complying with the
Florida Building Code
Date: 12-13-02
NOKOMIS
NOKOMIS Date Product Center
Division
by: [Signature]

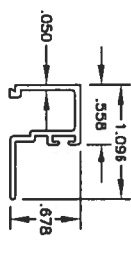
ITEM	DWG#	MAT'L	PGT#	DESCRIPTION
1	4002	6063-T5	612225	Flange Frame Head
2	1155-1	S. STL	7811POX	#8 x 1" S.S. Quad Pn. SMS
3	4050A	6063-T5	64050	Flange Frame Sill
4	1062	FN SEAL	61062G	Wtd. .187 x .270 fin seal
5	1155-1	S. STL	7811POX	#8 x 1" S.S. Quad Pn. SMS
6	4004	6063-T5	612227	Flange Frame Jamb
9	4029	STL	7811BKT	Coldwell Spiral Balance, 5/8"
10	4029	STL	7811BKT	Balance Bottom Bracket Clip
11	1080	VNLT	68ACR916	Bot. Cover, Rigid Vinyl, 5/8"
12	1167	S. STL	78X34PPAX	#8 x .750 Pn. Pn. SMS S.S.
13	4029-1	S. STL		Coldwell Ultra-Lift Balance, .677"
14		S. STL		#8 x 1.25 Pn. Pn. SMS
15	4025	6063-T5	612244	Seal Stop
16	4053	6063-T5		Seal Stop Cover
17	4029-1	STL		Seal Bracket
18		ZINC PL		#8 x 1 PH. Pn. SMS
19	1207	PC	6WCLP	Window Adapter
20		S. STL	78X38PPTX	#8 x .375 Pn. Pn. TEK S.S.
21	4054A	6063-T5	64054	Fixed Meeting Rail
22	1060	FN SEAL	61060W	Wtd. .187 x .230, fin seal
23	1155-1	S. STL	7811POX	#8 x 1" S.S. Quad Pn. SMS
24	4008C	6063-T5	64006	Seal Top Rail
25	1235	FN SEAL	61516C	Wtd. .170 x .270 back, fin seal
26	1096	DIE-CAST	71096	Sweep Latch
27	1175	ZINC PL	78588B	#8 x 5/8" PH FH SMS
28	4051A	6063-T5	64051	Seal Bottom Rail
29	1226	VNLT	61P249	Wtd. .187 x .270 back, fin seal
30	4008	6063-T5	612231	Seal Side Rail
31	1235	FN SEAL	61516C	Wtd. .170 x .270 back, fin seal
32	1155-1	S. STL	7811POX	#8 x 1" S.S. Quad Pn. SMS
33	1085	CELCON	70344	Seal Top Guide, 9/16"
34	1086	CELCON	42505	Seal Top Guide, 11/16"
35	1268	INTLON 6/6	42501	Seal Force Guide
37	Gloss 7/16 Laminated	(3/16)S.090(3/16)S	.090 SGP	
38	Glossing Silicone - Dow	#891, #983 or #995		
39	4222	6063-T5	64222	Gleazing Bead 7/16 Lami
40	985	6063-T5	6985	Gleazing Bead 7/16 Lami w/Grit Kit
41	988	6063-T5	6988	Gleazing Bead 3/8 Lami
42	987	6063-T5	6987	Gleazing Bead 3/8 Lami w/Grit Kit
43	1224	VNLT	TF-247	Vinyl Bulb Weatherstrip Thick
44	1822	EPDM	71522K	Gleazing Bead 3/32 x 25/64 x 1
45	1014	3105 H14	61011	Screen Frame
46	1013	POLYPROPYLENE	41903	Screen Corner Key
47	1073	S. STL	78835M	Screen Spring
48			61816	Screen Cloth
49	1278	BUSMEX P.C.	70409K	Screen Pull
50	1008	BUSMEX P.C.	68535K	Screen Splice
51	2740	6063-T5	62740	Bottom Lock "optional"
52	1088	6063-T5	75588G	Bottom Lock Surface
53	4063A	6061-T5	64063	Meeting Rail Reinforcement
54	947		41722	Grommet
55			78X38PPT	#10 x 3/4 PH PH TEK Screw
56			61062G	Wtd. .187 x .270 fin seal



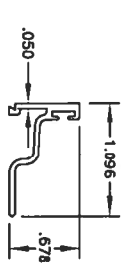
39 7/16 LAMI BEAD
MAT'L: 6063-T5
DWG# 4222



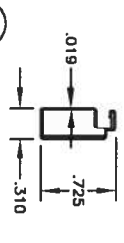
40 7/16 LAMI BEAD
W/GRILL KIT
MAT'L: 6063-T5
DWG# 985



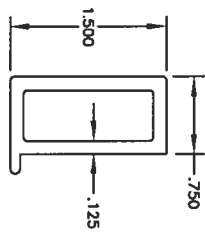
41 3/8 LAMI BEAD
MAT'L: 6063-T5
DWG# 988



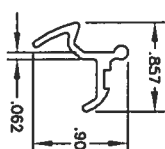
42 3/8 LAMI BEAD
W/GRILL KIT
MAT'L: 6053-T5
DWG# 987



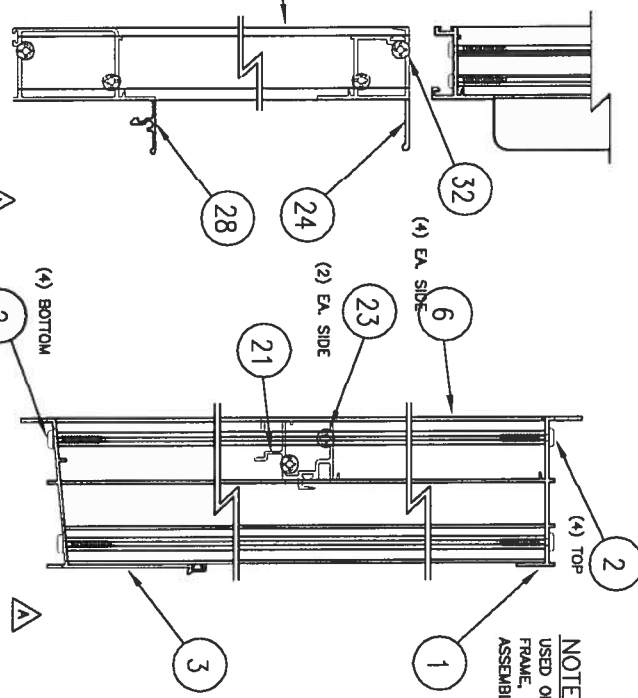
45 SCREEN FRAME
MAT'L: 3105-H14
DWG# 1014



53 MEETING RAIL
REINFORCEMENT
MAT'L: 5061-T6
DWG# 4063A



51 BOTTOM LOCK
MAT'L: 6063-T5
DWG# 2740



NOTE: NARROW JOINT SEALANT IS USED ON ALL 4 CORNERS OF THE FRAME, MEETING RAIL & RESPECTIVE ASSEMBLY SCREWS.

SASH CONSTRUCTION

2 FRAME CONSTRUCTION



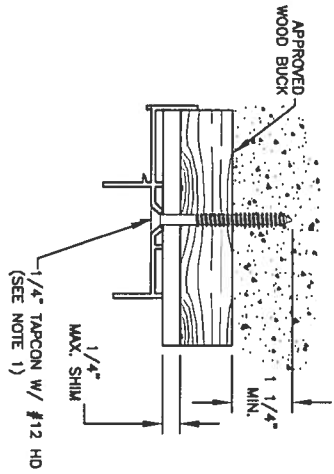
Robert L. Clark, P.E.
PE #39712
Structural

1070 TECHNOLOGY DRIVE
P.O. BOX 1528
NOKOMIS, FL 34275

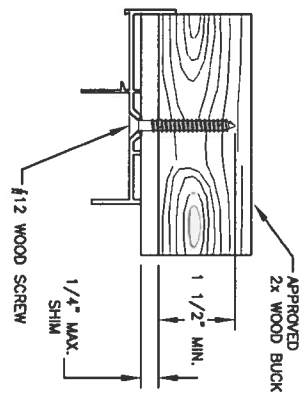
REV	DATE	DESCRIPTION
1	11/5/02	C-DELETE ITEM 36
2	10/29/02	B-NO CHG THIS SHIT
3	8/12/02	A-ADD CONSTRUCT. DET.
4	4/24/02	

APPROVED BY: *[Signature]*
DATE: 02-15-03
NOKOMIS, FL 34275
P.O. BOX 1528
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

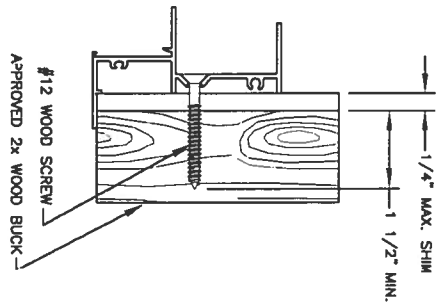
TITLE: MID-RISE, ALUM. SINGLE HUNG WINDOW
Scale: NTS
Sheet: 4 of 5
Drawing No. 4065-1
Rev. C



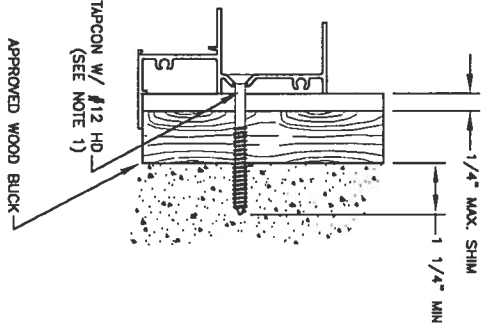
TYPICAL HEAD SECTION
SUBSTRATE ANCHORING



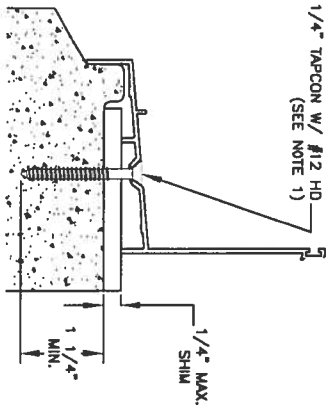
TYPICAL HEAD SECTION
WOOD ANCHORING



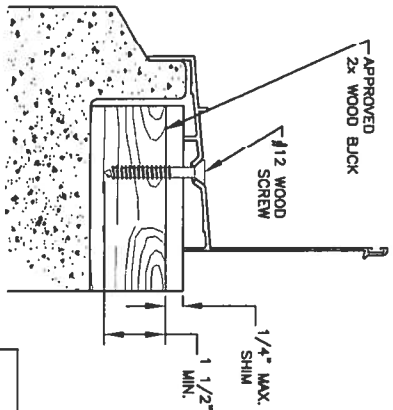
TYPICAL JAMB SECTION
WOOD ANCHORING



TYPICAL JAMB SECTION
SUBSTRATE ANCHORING



TYPICAL SILL SECTION
SUBSTRATE ANCHORING



TYPICAL SILL SECTION
WOOD ANCHORING

NOTES:
1. USE ONLY MIAMI-DADE COUNTY APPROVED EICO OR ITW TAPCONS.

Robert L. Clark
12/10/02
Robert L. Clark, P.E.
FE #39712
Structural

PCT
INDUSTRIES

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

Title: ANCHORAGE			
MID-RISE, ALUM. SINGLE HUNG WINDOW			
Series/Model: SH-800	Scale: NTS	Sheet: 5 of 5	Drawing No. 4065-1
Rev: C			
F.K.	1/1/5/02	C-NO CHG THIS SHT.	Approved as complying with the Florida Building Code Date: 12-13-2002 NOAM 02-0713-05 Miami-Dade Product Control Division <i>by: [Signature]</i>
Revised By: F.K.	Date: 10/29/02	Revisions: B-NO CHG THIS SHT	
F.K.	Date: 8/12/02	Revisions: A-NO RENEWAL BLOCK	
Drawn By: F.K.	Date: 4/24/02		



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

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This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series C-740 Aluminum Casement Window - Impact

APPROVAL DOCUMENT: Drawing No. 7045-8, titled "Aluminum Casement Window, Impact", sheets 1 through 12 of 12, dated 12/17/02 with revision C dated 7/10/03, prepared by manufacturer, signed and sealed by Lucas A. Turner, 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

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This NOA revises NOA # 02-1224.02 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.**



NOA No 03-0611.02
Expiration Date: May 22, 2008
Approval Date: October 9, 2003
Page 1

NOTES: LARGE MISSILE WINDOWS

1. GLAZING OPTIONS:

- 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 INNER LAYER OF SOLUTIA OR DUPONT PVB.
- 5/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
- 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 INNER LAYER OF SOLUTIA OR DUPONT PVB.
- 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS W/ AN .090 INNER LAYER OF SOLUTIA OR DUPONT PVB.
- 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 INNER LAYER.

2. CONFIGURATIONS: X, XX, XO, OX, XOX, O

3. DESIGN PRESSURE RATINGS / COMPARATIVE ANALYSIS TABLES:

- NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
- POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
- DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
- FOR "X" CONFIGURATIONS SEE SHEET 4.
- FOR "XX" CONFIGURATIONS SEE SHEET 4.
- FOR "XOX" & "OX" CONFIGURATIONS SEE SHEET 5.
- FOR "XOX" & "XO" OR "OX" CONFIGURATIONS SEE SHEET 6.
- FOR UNEQUAL LITE "XOX", "XO" & "OX" CONFIGURATIONS SEE SHEET 7.
- ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS:

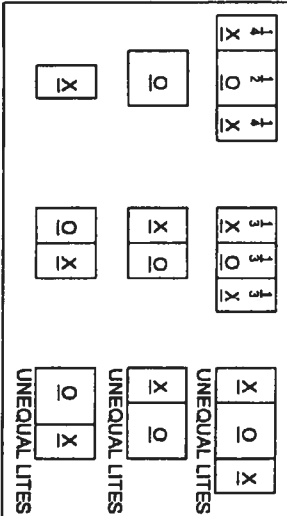
HEAD & SILL: MAX. 4" FROM CORNERS

- JAMBS:**
- 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
 - MAX. 4" FROM CORNERS
 - MAX. 13" SPACING
 - (2) ANCHORS 3" APART AT MID-SPAN

NOTE: 1/4" TAPCONS OR #4 SCREWS MAY BE USED AT THE ABOVE SPACING. SEE SHEETS 4, 5, 6 AND 7 FOR ALLOWABLE DESIGN PRESSURES IF USING 3/16" TAPCONS OR #12 SCREWS.

- SHUTTER REQUIREMENT: NONE REQUIRED
- NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
- REFERENCE TEST REPORTS: FTL-3580, FTL-3582, FTL-3587 AND FTL-3729

CONFIGURATIONS OPTIONS



NOA DRAWING TABLE OF CONTENTS

NOTES	SHEET
GLAZING DETAILS	1
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DESIGN PRESSURE TABLES	3-4
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PARTS LIST	10-11
ANCHORAGE	11
	12

Revised By: F.K.	Date: 3/17/03	Revision: A	REVISION: ANCHORAGE NOTE 4
Revised By: F.K.	Date: 3/25/03	Revision: B	ADD 13/16" I.G. & MOVE GLAZING DETAILS TO SHEET 2
Revised By: F.K.	Date: 12/17/02	Revision: C	NO CHANGE THIS SHEET

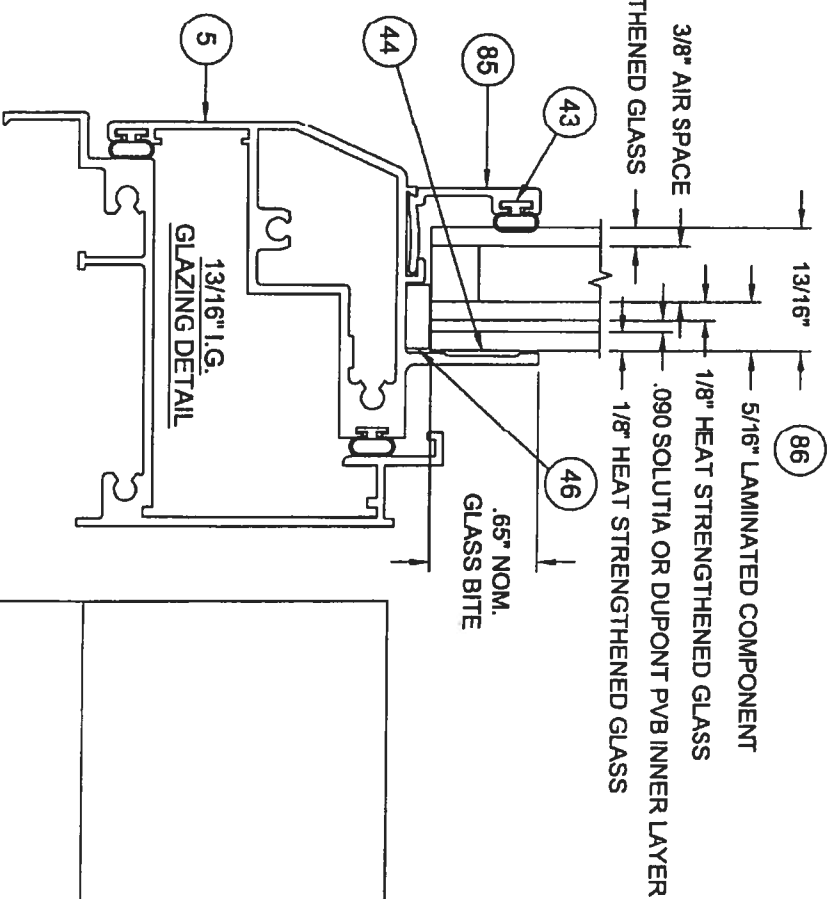
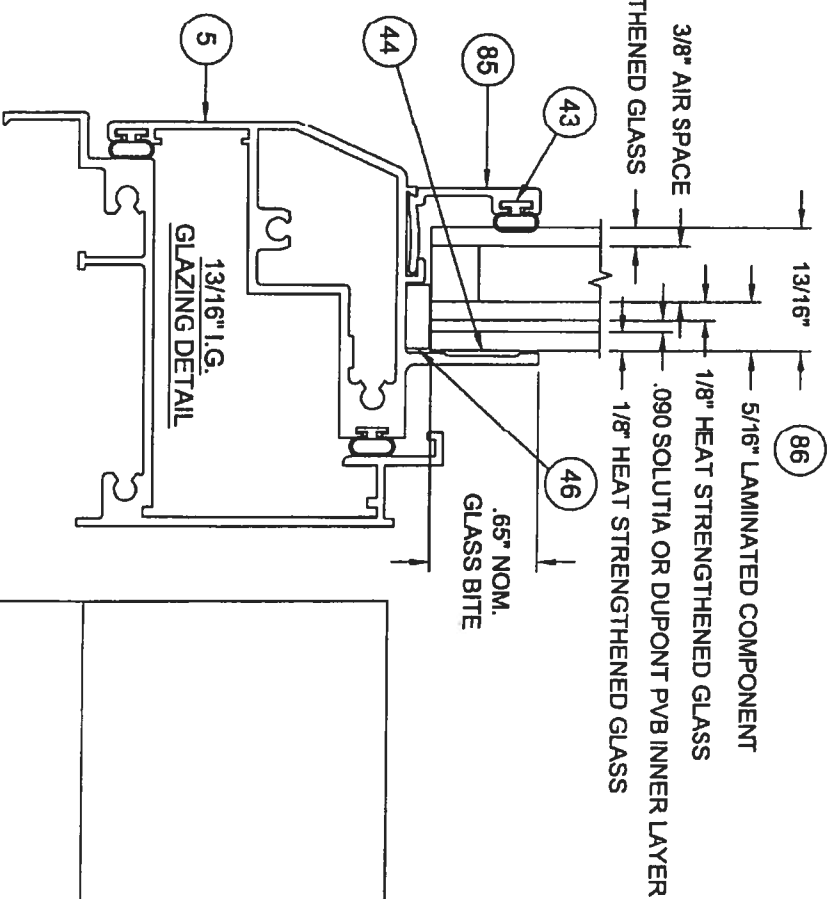
Drawn By: F.K.	Date: 12/17/02	Checked By: F.K.	Date: 12/17/02
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1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGT Virtually Better	THE ALUMINUM CASEMENT WINDOW, IMPACT	Scale: NTS	Sheet: 1 of 12	Drawing No: 7045-8	Rev: C
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PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 03-044-02
Expiration Date: 03/01/08
By: *Michael D. Turner*
Michael D. Turner, P.E.
Division

7/10/03

Lucas A. Turner, P.E.
PE #58201
Mechanical



Revised By: F.K.	Date: 3/25/03	Revised:	B	REDRAW GLAZING DETAILS & ADD 13/16" I.G.
Revised By: F.K.	Date: 7/10/03	Revised:	C	NO CHANGE THIS SHEET
Revised By:	Date:	Revised:		
Drawn By: F.K.	Date: 03/25/03	Checked By:	Date:	

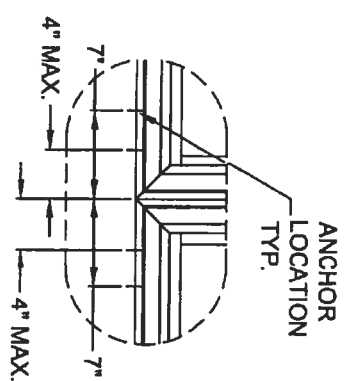
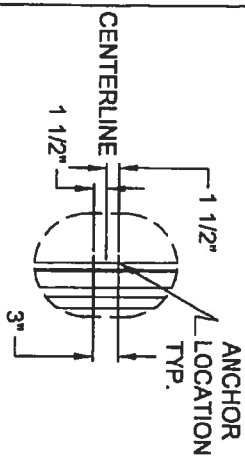
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 33475
P.O. BOX 15529
NOKOMIS, FL 33474

Visibly Better

Description:	Title:
GLAZING DETAILS	ALUMINUM CASEMENT WINDOW, IMPACT
Series Model: CA-745	Series: NTS
Size: 2 x 12	Drawing No. 7045-B
Rev.: C	

Lucas A. Turner, P.E.
PE #58201
Mechanical

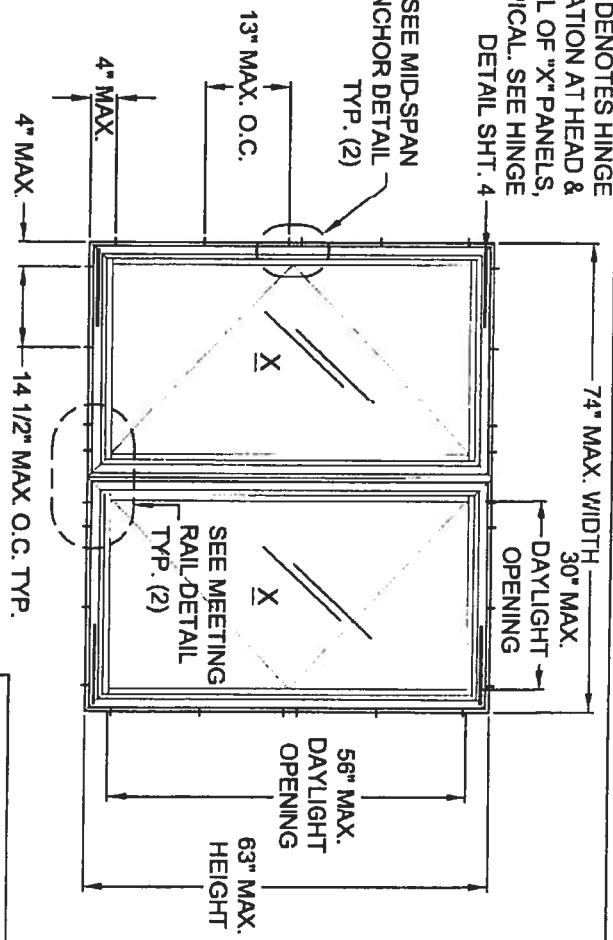
1:10/03



MID-SPAN ANCHOR DETAIL
(SEE SHT. 1 NOTE 4)

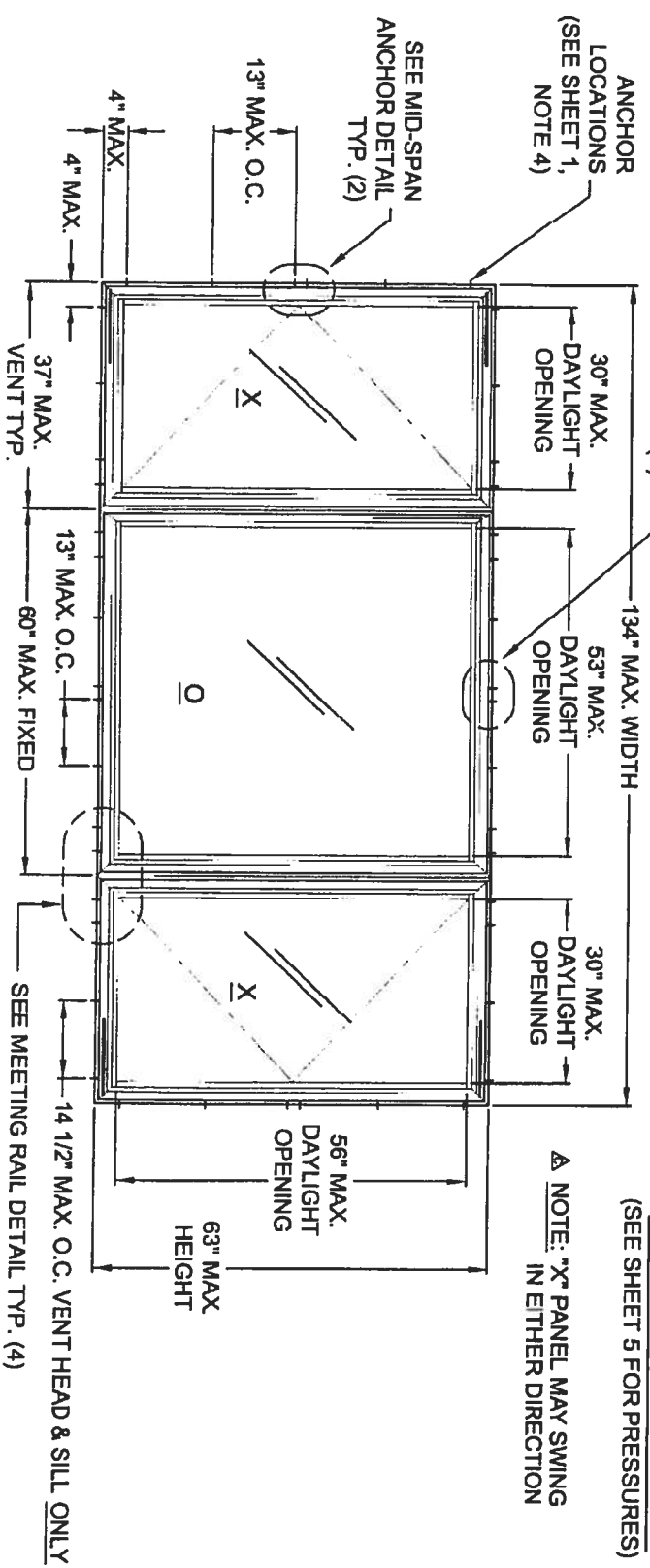
MEETING RAIL DETAIL
(SEE SHT. 1 NOTE 4)

Δ DENOTES HINGE LOCATION AT HEAD & SILL OF "X" PANELS, TYPICAL. SEE HINGE DETAIL SHT. 4



ELEVATION "B" - 63" HIGH "XX"
(SEE SHEET 5 FOR PRESSURES)

Δ NOTE: "X" PANEL MAY SWING IN EITHER DIRECTION



ELEVATION "A" - 63" HIGH "XOX" (SEE SHEETS 6-8 FOR PRESSURES)

Revised By:	Date:	Revisions:
F.K.	3/17/03	A
Revised By:	Date:	Revisions:
F.K.	3/25/03	B
Revised By:	Date:	Revisions:
F.K.	7/10/03	C
Drawn By:	Date:	Checked By:
F.K.	12/17/02	

REUSE ANCHORAGE	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274
CHANGE SHEET NO. REFERENCES	
ADD HINGE LOCATION DETAILS	

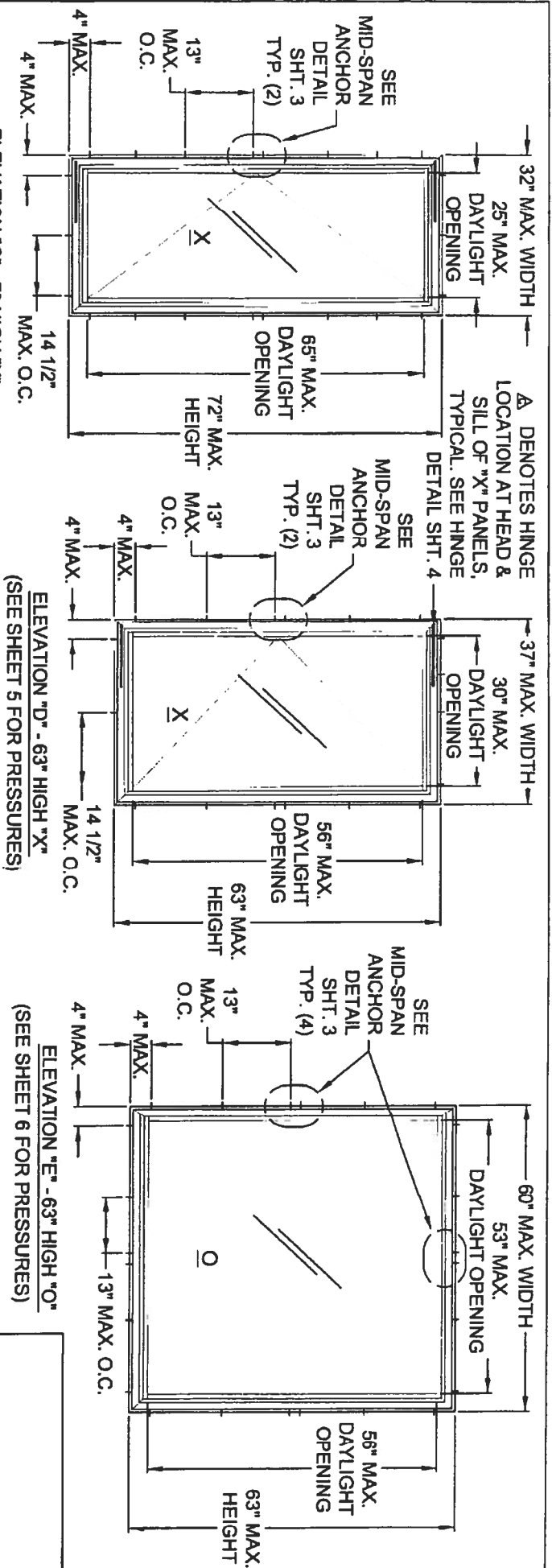
Product:	Series:	Scale:	Sheet:	Drawing No.	Rev.
"XX" & "XOX" ELEVATIONS	CA-740	NTS	3	of 12	C

ALUMINUM CASEMENT WINDOW, IMPACT

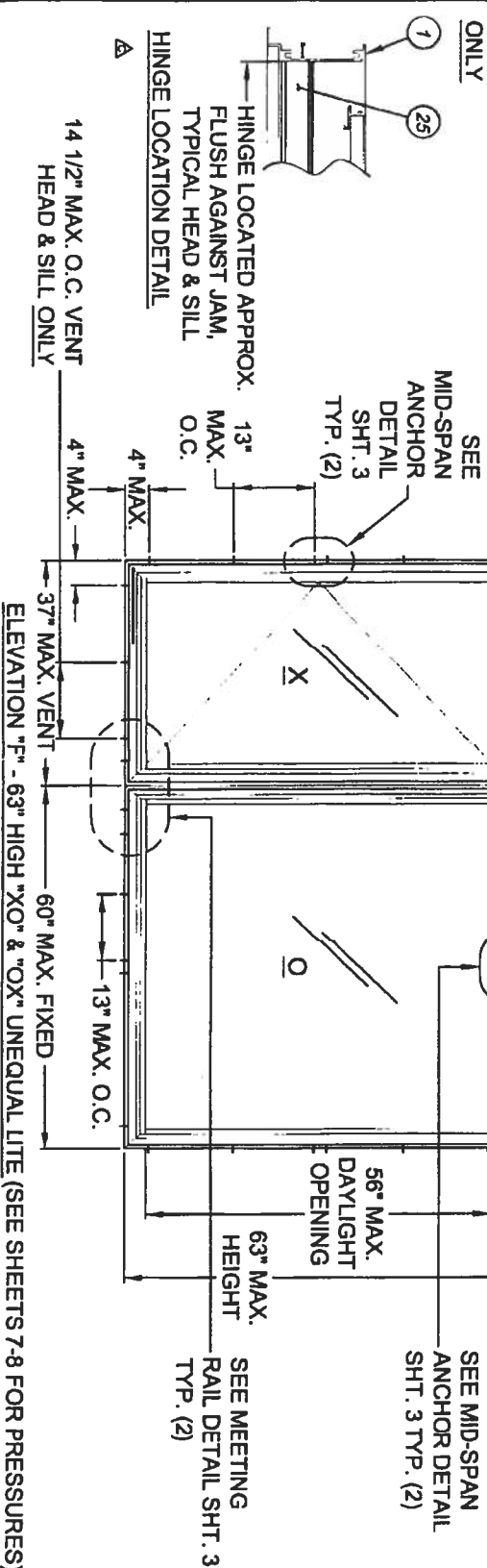
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 03-0611.02
Expiration Date MAY 28, 2008
By *M. M. M. M.*
Miami/Dade Product Control
Division

LUCAS A. TURNER, P.E.
FE 056201
Mechanical

7/10/03



**NOTE: 72" HEIGHT
AVAILABLE WITH
SINGLE VENT
CONFIGURATION
ONLY**



ELEVATION "F" - 63" HIGH "XO" & "OX" UNEQUAL LITE (SEE SHEETS 7-8 FOR PRESSURES

Revised By:	Date:	Revision:
F.K.	3/17/03	A
Revised By:	Date:	Revision:
F.K.	3/25/03	B
Revised By:	Date:	Revision:
F.K.	7/10/03	C
Drawn By:	Date:	Checked By:
F.K.	12/17/02	F.K.
REVERSE ANCHORAGE		
CHANGE SHEET NO. REFERENCES		
ADD HINGE DETAIL & HINGE LOCATION NOTES		
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274		
PCT		
Visibly Better		
Description: "X", "O", "XO" & "OX" ELEVATIONS		
THE ALUMINUM CASEMENT WINDOW, IMPACT		
Specification: CA-740	Scale: NTS	Sheet: 4 of 12
Drawing No. 7045-B	Rev: C	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-041.02
Expiration Date 12/28/2008
By Mauro P. P.
Miami Code Product Control
Division

LUCAS A. Turner, P.E.,
PE #58201
Mod:3.71cal

COMPARATIVE ANALYSIS TABLE 1 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "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	HEIGHT															
	26,000	31,000	36,000	38,375	43,000	48,000	50,625	54,000	57,000	60,000	63,000	66,000	69,000	72,000		
19,125	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		
	BE	-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		
24,000	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		
	BE	-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		
26,500	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		
	BE	-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		
30,000	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		
	BE	-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		
32,000	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		
	BE	-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		
34,000	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				
	BE	-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				
36,000	A	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 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				
	BE	-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				
37,000	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				
	BE	-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 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "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 37,000" WIDE x 63,000" HIGH AND ALL "X" SIZES UP TO 32,000" WIDE x 72,000" HIGH -90.0 70.0

COMPARATIVE ANALYSIS TABLE 3 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "X" WINDOWS TEST REPORTS: FTL-3582
 GLAZING OPTION: A. 5/16" LAMI (1/8" A, .090, 1/8" HS) HEIGHT

"X"	HEIGHT															
	26,000	31,000	36,000	38,375	43,000	48,000	50,625	54,000	57,000	60,000	63,000					
WIDTH	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS	NEG	POS				
37,000	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			
43,000	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			
48,000	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			
53,125	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			
57,000	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			
60,000	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			
64,000	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			
68,000	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			
72,000	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			
74,000	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			

±	±
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0611-02
Erection Date MAY 22, 2008

By *Michael J. Davis*
Michael Davis Product Control
Division

TABLE 4 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "X" WINDOWS TEST REPORTS: FTL-3582, FTL-3729
 GLAZING OPTION: 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 "X" SIZES UP TO 74,000" WIDE x 63,000" HIGH -75.0 70.0

TABLE 5 (BASED ON 1/4" TAPCONS OR #14 SCREWS) "X" WINDOWS TEST REPORT: FTL-3580
 GLAZING OPTION: C. 7/16" LAMI (3/16" A, .090, 3/16" HS)
 ALL "X" SIZES UP TO 74,000" WIDE x 63,000" HIGH -90.0 70.0

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "X" WINDOWS IS LIMITED TO 46.7 P.S.F.

Drawn By: F.K.	Date: 3/17/03	Revised By: A	Date: 3/17/03	Revised By: B	Date: 3/25/03	Revised By: C	Date: 7/10/03	Revised By: D	Date: 12/17/02
PREPARE TABLES 1 AND 3, GLASS TYPE A				ADD GLASS TYPE E TO TABLES 1 & 4				NO CHANGE THIS SHEET	
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275				P.O. BOX 1529 NOKOMIS, FL 34274				Verify Better	
PGT				ALUMINUM CASEMENT WINDOW, IMPACT				CA-740	
NTS				5				12	
7045-8				C					

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 03-0611-02
 Expiration Date 03-22-2008
 By: [Signature]
 Alamy Design Product Control Division

7/10/03

Lucas A. Turner, P.E.
 PE #58201
 Mch 3/1/04

COMPARATIVE ANALYSIS TABLE 6. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "O" & "1/4-1/2-1/4 XO" WINDOWS TEST REPORTS: FTL-3582
 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) FTL-3582
 E. 13/16" LAMI (1/8"HS,3/8" SPACE,5/16" LAMI-W/ 1/8"HS,.090,1/8"HS) FTL-3729

"O" WIDTH	"XOX" WIDTH	HEIGHT																						
		26.000	31.000	36.000	38.375	43.000	48.000	50.625	54.000	57.000	60.000	63.000												
36.000	72.000	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
		C	-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
37.000	74.000	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
		C	-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
39.500	79.000	A	-75.0	70.0	-75.0	70.0	-67.8	67.8	-62.1	62.1	-55.7	55.7	-49.8	49.8	-46.9	46.9	-43.6	43.6	-41.1	41.1	-38.6	38.6	-36.5	36.5
		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
		C	-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
42.000	84.000	A	-75.0	70.0	-75.0	70.0	-62.4	62.4	-58.4	58.4	-53.3	53.3	-46.4	46.4	-43.4	43.4	-40.4	40.4	-37.6	37.6	-34.2	34.2	-31.6	31.6
		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
		C	-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
45.000	90.000	A	-75.0	70.0	-70.3	70.0	-58.0	58.0	-54.5	54.6	-49.3	49.3	-43.6	43.6	-40.4	40.4	-37.6	37.6	-34.2	34.2	-31.6	31.6	-28.2	28.2
		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
		C	-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
48.000	96.000	A	-75.0	70.0	-65.0	65.0	-54.3	54.3	-51.1	51.1	-45.1	45.1	-41.1	41.1	-38.6	38.6	-36.5	36.5	-34.2	34.2	-32.1	32.1	-30.0	30.0
		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
		C	-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
50.500	101.000	A	-75.0	70.0	-60.8	60.8	-51.3	51.3	-48.3	48.3	-42.7	42.7	-38.6	38.6	-36.5	36.5	-34.2	34.2	-32.1	32.1	-30.0	30.0	-27.9	27.9
		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
		C	-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
53.125	106.375	A	-75.0	70.0	-58.7	58.7	-48.7	48.7	-45.4	45.4	-40.1	40.1	-36.5	36.5	-34.2	34.2	-32.1	32.1	-30.0	30.0	-27.9	27.9	-25.0	25.0
		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
		C	-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
54.000	108.000	A	-75.0	70.0	-58.2	58.2	-47.9	47.9	-44.5	44.5	-39.1	39.1	-36.5	36.5	-34.2	34.2	-32.1	32.1	-30.0	30.0	-27.9	27.9	-25.0	25.0
		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
		C	-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
55.500	111.000	A	-75.0	70.0	-57.1	57.1	-46.4	46.4	-43.3	43.3	-37.5	37.5	-34.2	34.2	-32.1	32.1	-30.0	30.0	-27.9	27.9	-25.0	25.0	-22.9	22.9
		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
		C	-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
57.000	114.000	A	-75.0	70.0	-56.2	56.2	-44.8	44.8	-42.1	42.1	-36.2	36.2	-33.0	33.0	-30.0	30.0	-27.9	27.9	-25.0	25.0	-22.9	22.9	-20.0	20.0
		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
		C	-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
58.500	117.000	A	-74.2	70.0	-55.0	55.0	-43.4	43.4	-40.9	40.9	-34.8	34.8	-31.6	31.6	-28.2	28.2	-25.0	25.0	-22.9	22.9	-20.0	20.0	-17.1	17.1
		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
		C	-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
60.000	120.000	A	-72.9	70.0	-53.4	53.4	-42.2	42.2	-39.7	39.7	-33.5	33.5	-30.0	30.0	-26.7	26.7	-23.4	23.4	-20.0	20.0	-17.1	17.1	-14.2	14.2
		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
		C	-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

TABLE 7. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "O" & "1/4-1/2-1/4 XO" WINDOWS TEST REPORT: FTL-3580
 GLAZING OPTION: D. 7/16" LAMI (3/16"HS,.090,3/16"HS)
 ALL "O" SIZES UP TO 60.000" WIDE x 63.000" HIGH AND ALL "XO" SIZES UP TO 120.000" WIDE x 63.000" HIGH -90.0 70.0

Revised By: F.K.	3/17/03	Revision: A	REVERSE TABLE 6, GLASS TYPES A & C
Revised By: F.K.	3/25/03	Revision: B	ADD GLASS TYPE E TO TABLE 6
Revised By: F.K.	7/10/03	Revision: C	NO CHANGE THIS SHEET
Drawn By: F.K.	12/17/02	Checked By:	

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

PGI
 Visible Better

Product: PRESSURES- O & 1/4-1/2-1/4 XO CONFIG. WINDOWS
 Title: ALUMINUM CASEMENT WINDOW, IMPACT
 Standard: CA-740
 Scale: NTS
 Sheet: 6 of 12
 Drawing No: 7045-8
 Rev: C

1 1 1
 4 2 4
 X O X

O

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "O" WINDOWS IS LIMITED TO 52.1 P.S.F.
 DESIGN PRESSURE FOR "XO" WINDOWS IS LIMITED TO 41.3 P.S.F.

PRODUCT REVISED as complying with the Florida Building Code, Acceptance No. 03-0441-02, Expiration Date: 03/31/2008
 By: [Signature]
 Miami Trade Product Control Division

7/10/03
 LUCAS A. TURNER, P.E.
 PE 858201
 MARCH 11, 2008

COMPARATIVE ANALYSIS TABLE 8. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" OR "OX" & "1/3-1/3-1/3 XO" WINDOWS TEST REPORT: FTL-3582

"XO" WIDTH	"OX" WIDTH	GLAZING OPTION: A. 5/16" LAMI (1/8" A, .090, 1/8" HS)																HEIGHT
		26,000	31,000	36,000	38,375	43,000	48,000	50,625	54,000	57,000	60,000	63,000	66,000	69,000	72,000	75,000	78,000	
37,000	55,500	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
48,000	72,000	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
49,333	74,000	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
53,125	79,888	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
56,000	84,000	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
60,000	90,000	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
64,000	96,000	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
67,333	101,000	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
70,917	106,375	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
72,000	108,000	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
74,000	111,000	A	-75.0	70.0	-75.0	70.0	-73.7	70.0	-67.9	67.9	-59.0	-52.8	-49.9	49.9	-46.4	46.4	-43.5	43.5

1 3 1
X O X

X O

O X

TABLE 9. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" OR "OX" & "1/3-1/3-1/3 XO" WINDOWS TEST REPORT: FTL-3582, FTL-3729

GLAZING OPTIONS: B. 5/16" LAMI (1/8" HS, .090, 1/8" HS) E. 13/16" LAMI (1/8" HS, .36" SPACE, 5/16" LAMI, W/ 1/8" HS, .090, 1/8" HS)		REPORTS: FTL-3582, FTL-3729	
ALL "XO" OR "OX" SIZES UP TO 74,000" WIDE x 63,000" HIGH AND ALL "1/3-1/3-1/3 XO" SIZES UP TO 111,000" WIDE x 63,000" HIGH		-75.0 70.0	

TABLE 10. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "XO" OR "OX" & "1/3-1/3-1/3 XO" WINDOWS TEST REPORT: FTL-3580

GLAZING OPTION: C. 7/16" LAMI (3/16" A, .090, 3/16" HS)		TEST REPORT: FTL-3580	
ALL "XO" OR "OX" SIZES UP TO 74,000" WIDE x 63,000" HIGH AND ALL "1/3-1/3-1/3 XO" SIZES UP TO 111,000" WIDE x 63,000" HIGH		-90.0 70.0	

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "XO" OR "OX" AND "XOX" WINDOWS IS LIMITED TO 41.3 P.S.F.

Drawn By: F.K.	Date: 3/17/03	Reviewed By: A.	Date: 3/17/03	Revision: A	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	 Visibly Better	Drawn By: F.K.	Date: 3/17/03	Reviewed By: B.	Date: 3/25/03	Revision: B	ADD GLASS TYPE E TO TABLE 9	Drawn By: F.K.	Date: 7/10/03	Reviewed By: C.	Date: 7/10/03	Revision: C	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	P.O. BOX 1329 NOKOMIS, FL 34274		Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A	Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A
Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	P.O. BOX 1329 NOKOMIS, FL 34274		Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A	Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A
Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	P.O. BOX 1329 NOKOMIS, FL 34274		Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A	Drawn By: F.K.	Date: 12/17/02	Reviewed By: A.	Date: 12/17/02	Revision: A	REVERSE TABLE 8, GLASS TYPE A

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-0411-02
Expiration Date MAY 2008
By Michael J. Davis
Miami/Dade Product Control
Division

Lucas A. Turner, P.E.
PE #58201
Mechanical

7/10/03

COMPARATIVE ANALYSIS TABLE 11. (BASED ON 1/4" TAPCONS OR #14 SCREWS)

"XO" or "OX" & "XOX" UNEQUAL LITE WINDOWS

TEST REPORTS: FTL-3580

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)

FTL-3582
FTL-3729

"XOX" WIDTH	VENT WIDTH	FIXED WIDTH	HEIGHT															
			26.000	36.000	38.375	43.000	48.000	50.625	54.000	57.000	60.000	63.000	NEG	POS	NEG	POS	NEG	POS
69.264	19.125	31.014	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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
86.919	24.000	38.919	A	-75.0 70.0	-69.1 69.1	-63.4 63.4	-56.5 56.5	-50.4 50.4	-47.5 47.5	-44.1 44.1	-41.6 41.6	-39.2 39.2	-36.9 36.9	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
95.973	26.500	42.973	A	-75.0 70.0	-60.5 60.5	-57.2 57.2	-52.1 52.1	-46.2 46.2	-41.1 41.1	-36.2 36.2	-31.1 31.1	-26.2 26.2	-21.1 21.1	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
108.649	30.000	48.649	A	-75.0 70.0	-53.5 53.5	-50.4 50.4	-45.5 45.5	-40.7 40.7	-35.8 35.8	-30.9 30.9	-26.0 26.0	-21.1 21.1	-16.2 16.2	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
115.892	32.000	51.892	A	-75.0 70.0	-49.9 49.9	-46.8 46.8	-43.7 43.7	-40.6 40.6	-37.5 37.5	-34.4 34.4	-31.3 31.3	-28.2 28.2	-25.1 25.1	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
122.000	33.687	54.627	A	-75.0 70.0	-47.3 47.3	-44.0 44.0	-40.7 40.7	-37.4 37.4	-34.1 34.1	-30.8 30.8	-27.5 27.5	-24.2 24.2	-20.9 20.9	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
123.135	34.000	55.135	A	-75.0 70.0	-46.8 46.8	-43.6 43.6	-40.4 40.4	-37.2 37.2	-34.0 34.0	-30.8 30.8	-27.6 27.6	-24.4 24.4	-21.2 21.2	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
126.000	34.791	56.418	A	-75.0 70.0	-45.5 45.5	-42.6 42.6	-39.7 39.7	-36.7 36.7	-33.8 33.8	-30.9 30.9	-27.9 27.9	-25.0 25.0	-22.1 22.1	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
130.000	35.896	58.209	A	-75.0 70.0	-43.6 43.6	-41.2 41.2	-38.7 38.7	-36.3 36.3	-33.9 33.9	-31.5 31.5	-29.1 29.1	-26.7 26.7	-24.3 24.3	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
130.378	36.000	58.378	A	-75.0 70.0	-43.5 43.5	-41.0 41.0	-38.5 38.5	-36.0 36.0	-33.5 33.5	-31.0 31.0	-28.5 28.5	-26.0 26.0	-23.5 23.5	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0
134.000	37.000	60.000	A	-75.0 70.0	-42.2 42.2	-39.7 39.7	-37.2 37.2	-34.7 34.7	-32.2 32.2	-29.7 29.7	-27.2 27.2	-24.7 24.7	-22.2 22.2	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			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	-75.0 70.0	-75.0 70.0	-75.0 70.0	-75.0 70.0
			C	-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	-90.0 70.0

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

TABLE 12. (BASED ON 1/4" TAPCONS OR #14 SCREWS) "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 134.000" WIDE x 63.000" HIGH WITH 37.000" MAX. VENT WIDTH AND 60.000" MAX. FIXED WIDTH AND 90.0 70.0

ALL "XO" or "OX" SIZES UP TO 97.000" WIDE x 63.000" HIGH WITH 37.000" MAX. VENT WIDTH AND 60.000" MAX. FIXED WIDTH

NOTE: IF USING 3/16" TAPCONS OR #12 SCREWS DESIGN PRESSURE FOR "XO" OR "OX" AND "XOX" WINDOWS IS LIMITED TO 41.3 P.S.F.

Revised By: F.K.	Date: 3/17/03	Revision: A	Revised By: F.K.	Date: 3/25/03	Revision: B	Revised By: F.K.	Date: 7/10/03	Revision: C	Revised By: F.K.	Date: 12/17/02	Revision: C
REVERSE TABLE 11 GLASS TYPES A & C			ADD GLASS TYPE E TO TABLE 11			NO CHANGE THIS SHEET					
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275			P.O. BOX 1829 NOKOMIS, FL 34274			PGI Virtually Better			ALUMINUM CASEMENT WINDOW, IMPACT		
Description: PRESSURES- UNEQUAL CONFIG. XO, OX & XOX			Scale: 8" = 12"			Drawing No: 7045-B			Rev: C		

X	O	X
---	---	---

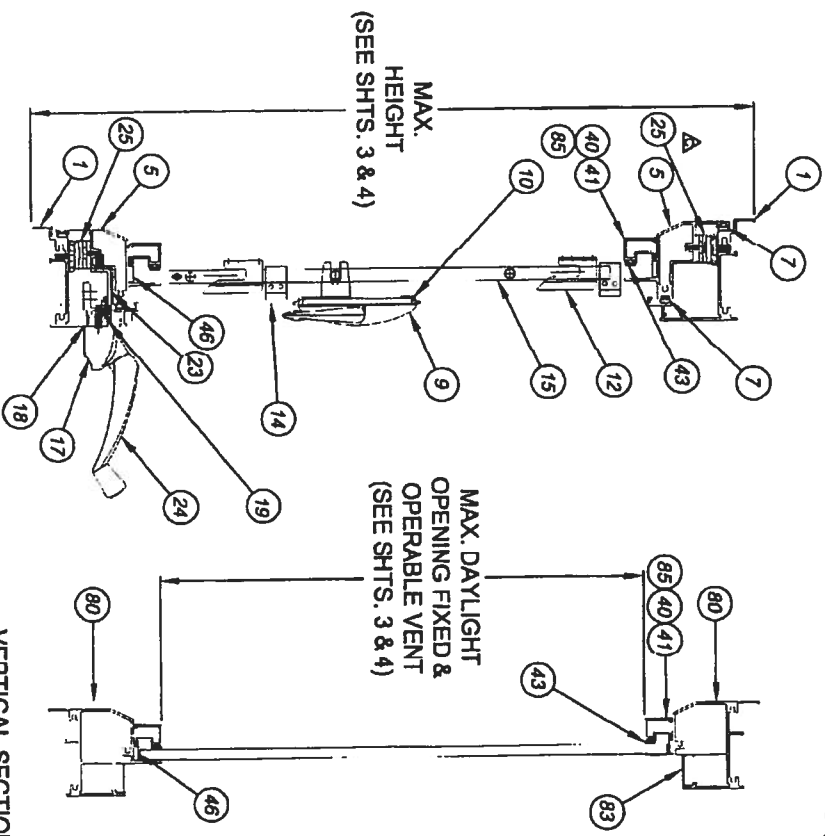
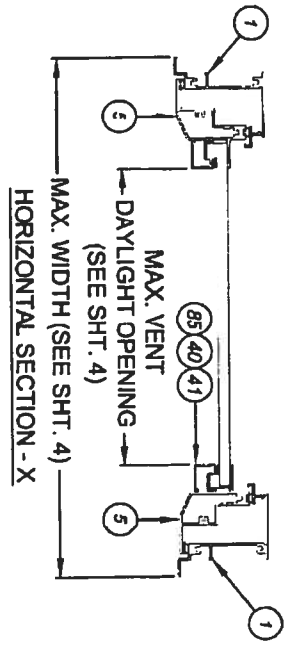
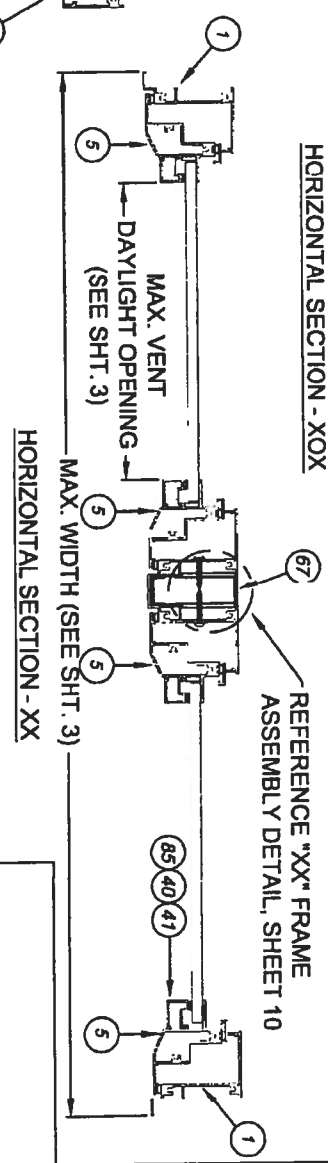
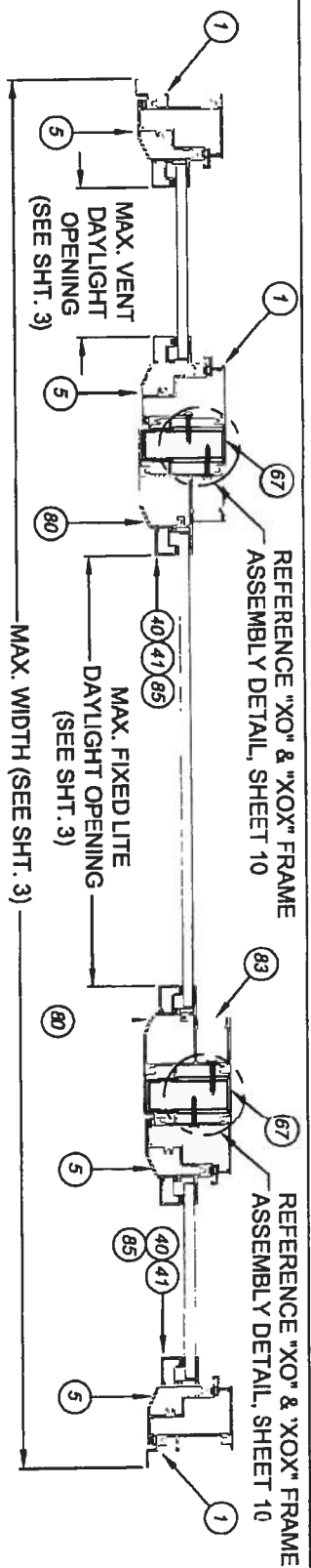
X	O
---	---

O	X
---	---

UNEQUAL LITES

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 03-0411-02
 Expiration Date: 12/31/2008
 By: *Mauro J. [Signature]*
 Miami Dade Product Council
 Division

7/10/03
La [Signature]
 Lucas A. Turner, P.E.
 PE #58201
 Mechanical



VERTICAL SECTION
FIXED UNIT

VERTICAL SECTION
OPERABLE UNIT

Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:	Section:	NO CHG THIS SHEET
Drawn By: F.K.	Date: 12/25/03	Checked By:	Date:	Section:	ADD 131/6" I.G. GLAZING BEAD ITEM
Drawn By: F.K.	Date: 7/10/03	Checked By:	Date:	Section:	SHOW TOP HINGE
Drawn By: F.K.	Date: 12/17/02	Checked By:	Date:	Section:	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-041-02
Expiration Date 10/23/2008
By *Michael J. M...*
Miami/Dade Product Control
Division

Lucas A. Turner, P.E.
PE #58201
Mechanical

7/10/03

PGI
Visibly Better

SECTIONS

ALUMINUM CASEMENT WINDOW, IMPACT

CA-740

Scale: NTS

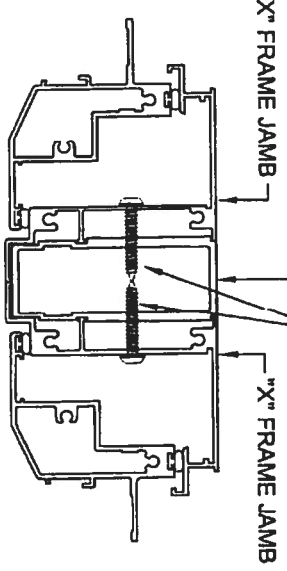
9 x 12

Drawing No. 7045-8

Rev. C

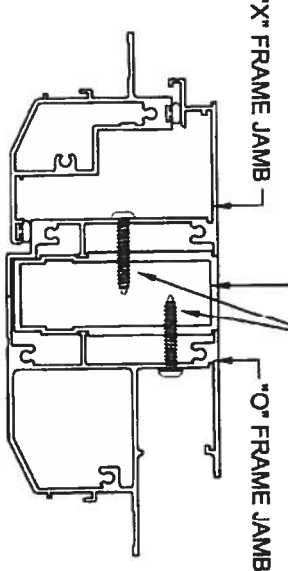
NOTE: ALL ALUMINUM SHALL BE OF 6063-T6

FRAME ASSEMBLY
TUBE, MAT'L: 6063-T6
#12x1 PH TEK SMS
13" MAX. O.C. W/ (2) SCREWS
3" APART AT MID-SPAN

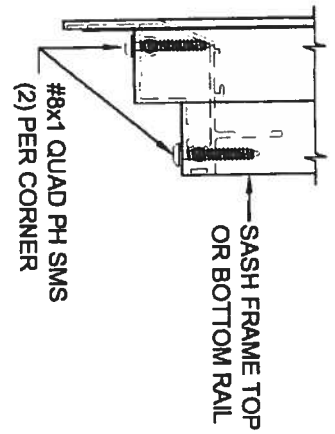


"XX" FRAME ASSEMBLY DETAIL

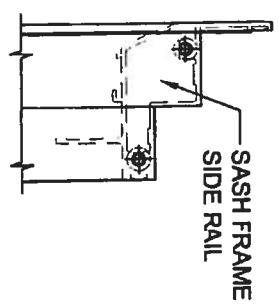
FRAME ASSEMBLY
TUBE, MAT'L: 6063-T6
#12x1 PH TEK SMS
13" MAX. O.C. W/ (2) SCREWS
3" APART AT MID-SPAN



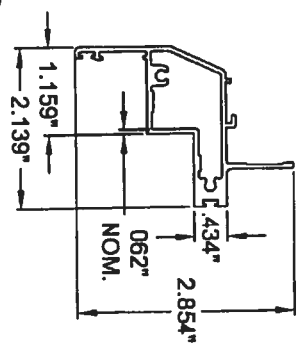
"XO" & "XOX" FRAME ASSEMBLY DETAIL



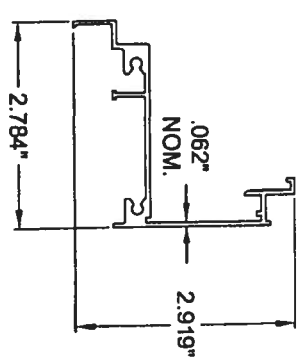
SASH FRAME TOP OR BOTTOM RAIL



SASH FRAME ASSEMBLY DETAIL

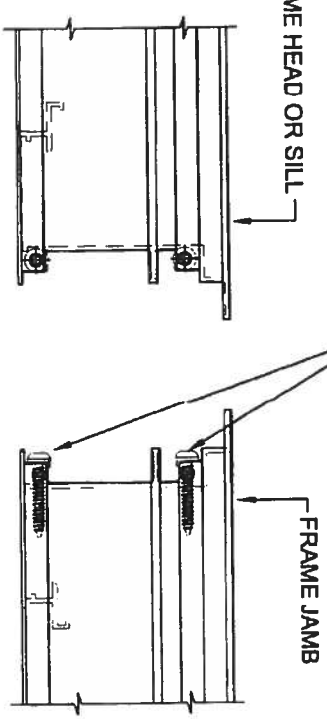


5 SASH FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7003A



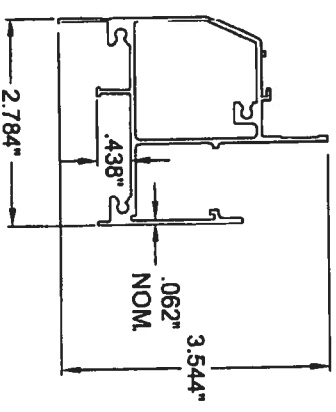
1 FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7002A

#8x1 QUAD PH SMS
(2) PER CORNER



FRAME HEAD OR SILL

FRAME JAMB



80 FIXED FRAME HEAD, SILL, JAMB
MAT'L: 6063-T6
DWG# 7005A

MAIN FRAME ASSEMBLY DETAIL

Revised By	Date	Revisions	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PGI Visibly Better	CUSTOMER: EXTRUSIONS & ASSEMBLY DETAILS	TITLE: ALUMINUM CASEMENT WINDOW, IMPACT	Drawing No.	Sheet	Drawing No.	Rev.
F.K.	3/17/03	A								
Revised By	Date	Revisions								
F.K.	3/23/03	B								
F.K.	7/10/03	C								
F.K.	12/17/02									

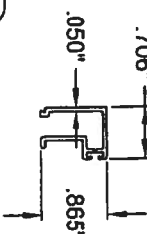
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-041-02
Expiration Date 03/31/08
By *[Signature]*
Miami Dade Product Center
Division

7-02
7/10/03

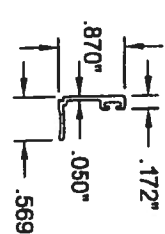
LUCAS A. TURNER, P.E.
FE #38201
Mechanical

ITEM	DWG #	PGT. #	DESCRIPTION
1	7002A		MAIN FRAME - HEAD, SILL & JAMBS
2	1155	781PQA	#8 X 1 QUAD PH SMS
3	7008		FRAME CORNER KEY
4			1/2"X1/2"X1/8" CLOSED CELL FOAM TAPE
5	7003A		SASH - TOP, BOTTOM & SIDE RAILS
6	1155	781PQA	#8 X 1 QUAD PH SMS
7	7017	67017K	BULB WEATHERSTRIP 187X.240
8	7009		SASH CORNER KEY
9	7024		MAXIM MULTI-POINT LOCK
10	7026		LOCK SUPPORT PLATE
11			#10-24 X .562 PH. TYPE F
12	7014		MULTI-LOCK KEEPER (R.H. & L.H.)
13	1157	78X78PPSMS	#8 X .875 PH. PH. SMS
14	7013		TIE BAR GUIDE
15	7015		TIE BAR ASSEMBLY
16	7028		MAXIM DYAD OPERATOR
17	7027		MAXIM DUAL ARM OPERATOR
18	7030		OPERATOR GASKET
19	7031		BACKING PLATE
20			#8-32 X .375 PH. TYPE B
21	7032		STUD BRACKET (L.H. & R.H.)
22		78582A	#8 X 5/8" FLT. PH. SMS
23	7033		OPERATOR TRACK & SLIDER (DUAL ARM)
24	7022		SNAP-ON HANDLE
25	7023		12" HINGE (HEAVY DUTY)
26		710K12PF	#10 X .500 PH. PHL.
30			5/16" LAMINATED (1/8" & 1/8" GLASS)
31			.090 INNER LAYER - SOLUTIA OR DUPONT PVB
32			5/16" LAMINATED (3/16" & 3/16" GLASS)
33			.090 INNER LAYER - SOLUTIA OR DUPONT PVB
40	7036		GLAZING BEAD (5/16")
41	7042		GLAZING BEAD (7/16")
43	1224	61P247	VINYL BULB W/STP (THICK)
44			SILICONE - DOW CORNING 899 OR 995
45			PARABOND
46	1634	6163K	SETTING BLOCK
50	7006		SCREEN FRAME
51	7040		SCREEN CORNER KEY
52			SCREEN CLOTH
53	1635	6163SK	SCREEN SPLINE - SEBRATED
54	331	60976	CASEMENT SCREEN CLIP
55		78X12PSTW/B	#8 X .500 SQ. PH. TEK SMS
67	7004A	67004	CASEMENT FRAME ASSY. TUBE
68		712X1PPT	#12 X 1" PH. PHIL. TEK
69	7011		LOCK SUPPORT PLATE
70	7012		LOCK SPACER
71	7019	711573	SNAP-ON T-HANDLE KNOB
72	7018	71LDHD	FOLDING HANDLE

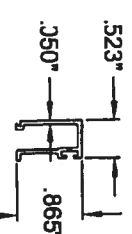
ITEM	DWG #	PGT. #	DESCRIPTION
73	7025		MAXIM SINGLE LOCK
74	7016		SINGLE LOCK KEEPER
75		70834A	#8 X .750 QUAD PH SMS
80	7005A		FIXED WINDOW FRAME - HEAD, SILL & JAMBS
81	1155	781PQA	#8 X 1 QUAD PH SMS
82	7010		FIXED FRAME CORNER KEY
83	7007		INSTALLATION HOLE COVER
85	7047	67407	GLAZING BEAD (3/16" I.G.)
86			5/16" LAMI (2 LITES OF 1/8" IS GLASS WITH AN .090 INNER LAYER - SOLUTIA OR DUPONT PVB)



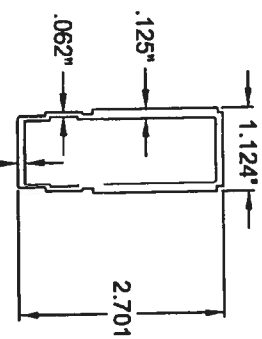
40 5/16" GLAZING BEAD
MATL: 6063-T6
DWG# 7036



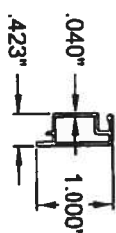
85 13/16" GLAZING BEAD
MATL: 6063-T6
DWG# 7047



41 7/16" GLAZING BEAD
MATL: 6063-T6
DWG# 7042



67 CASEMENT FRAME
ASSEMBLY TUBE
MATL: 6063-T6
DWG# 7004A



50 CASEMENT SCREEN FRAME
MATL: 6063-T6
DWG# 7006

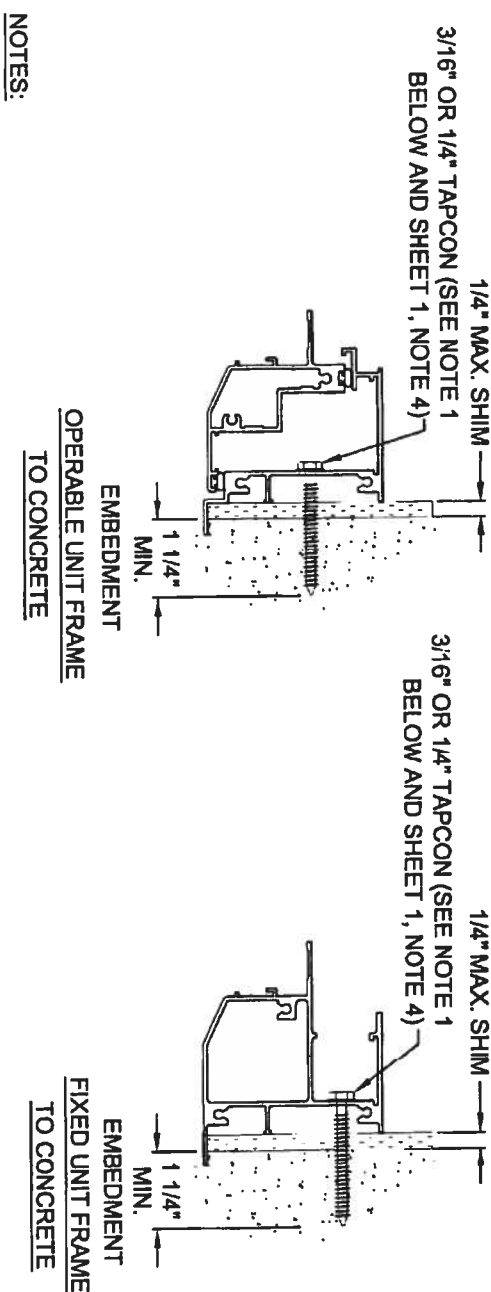
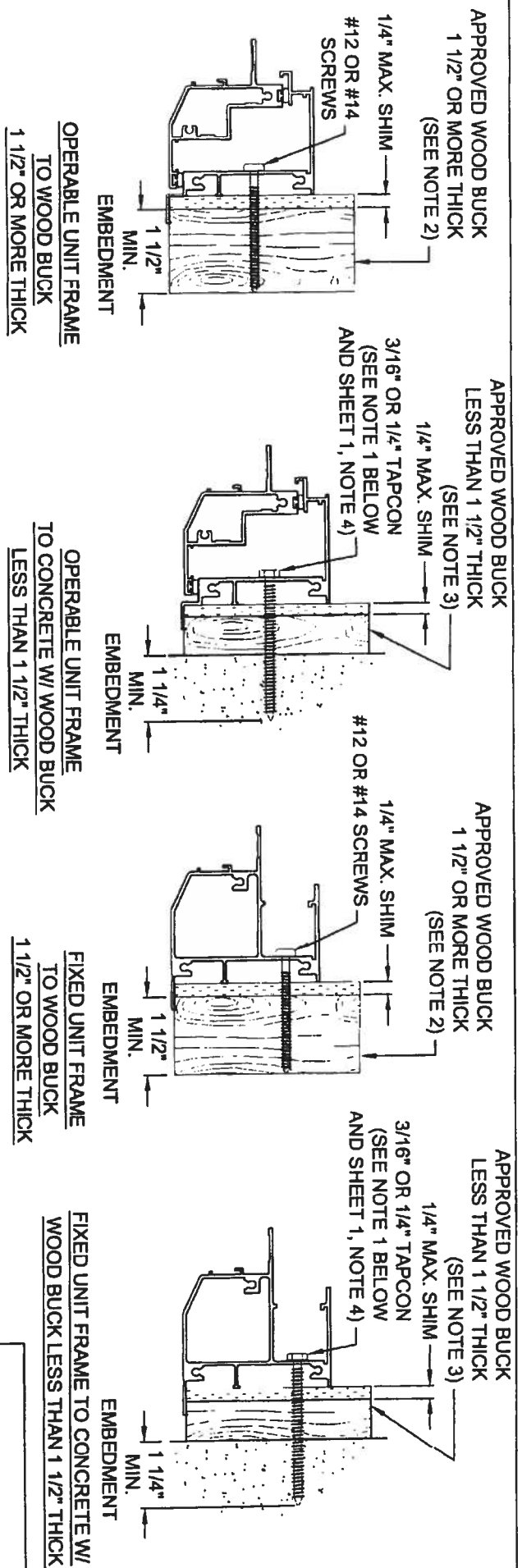


83 INSTALLATION HOLE COVER
MATL: 6063-T6
DWG# 7007

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-041-02
Expiration Date 04/01/2008
By: *Michael J. Turner*
Miami/Dade/Franklin County
Division

Lucas A. Turner
7/10/03

Revised By: F.K.	Date: 3/17/03	Revisions: A	NO CHG THIS SHEET	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274		Drawn By: F.K.	Date: 12/17/02	Checked By: C	Date: 12/17/02	Visible Better	Scale: CA-740	Scale: NTS	Scale: 11 x 12	Drawn By: 7045-8	Rev: C
Revised By: F.K.	Date: 3/25/03	Revisions: B	ADD 13/16" I.G. GLASS & GLAZING BEAD												
Revised By: F.K.	Date: 7/10/03	Revisions: C	NO CHANGE THIS SHEET												
Revised By: F.K.	Date: 12/17/02	Revisions: C	NO CHANGE THIS SHEET												



**NOTE: ALL DETAILS
APPLY TO HEAD,
SILL, AND JAMB.**

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 03-06-11-02
Expiration Date 12/31/2008
By *M. J. [Signature]*
Miami Dade Product Control
Division

- NOTES:**
1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.
 2. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS 1 1/2" OR MORE THICK TO BE ENGINEERED BY OTHERS AND TO BE REVIEWED BY BUILDING OFFICIAL.
 3. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS LESS THAN 1 1/2" THICK TO BE ENGINEERED BY OTHERS.

Revised By:	Date:	Revision:	Added #14 Screw Option
F.K.	3/17/03	A	
Revised By:	Date:	Revision:	NO CHANGE THIS SHEET
F.K.	3/25/03	B	
Revised By:	Date:	Revision:	NO CHANGE THIS SHEET
F.K.	7/10/03	C	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/17/02		

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1829
NOKOMIS, FL 34274

PGI
Visibly Better

ANCHORAGE DETAILS			
THE	Scale	Sheet	Drawn no
ALUMINUM CASEMENT WINDOW, IMPACT	NTS	12 of 12	7045-8
CA-740			

Lucas A. Turner, P.E.
PE #58201
Mechanical



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

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 "PW-701" Aluminum Picture Window-LMI

APPROVAL DOCUMENT: Drawing No. 4259-4, titled "Aluminum Picture Window, Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 7/14/03, with revision "A", dated 12/15/03, signed and sealed by Robert L. Clark, 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 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 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 **Theodore Berman, P.E.**



NOA No 03-1105.01
Expiration Date: February 19, 2009
Approval Date: February 19, 2004
Page 1

1 GLAZING OPTIONS

1 GLAZING OPTIONS

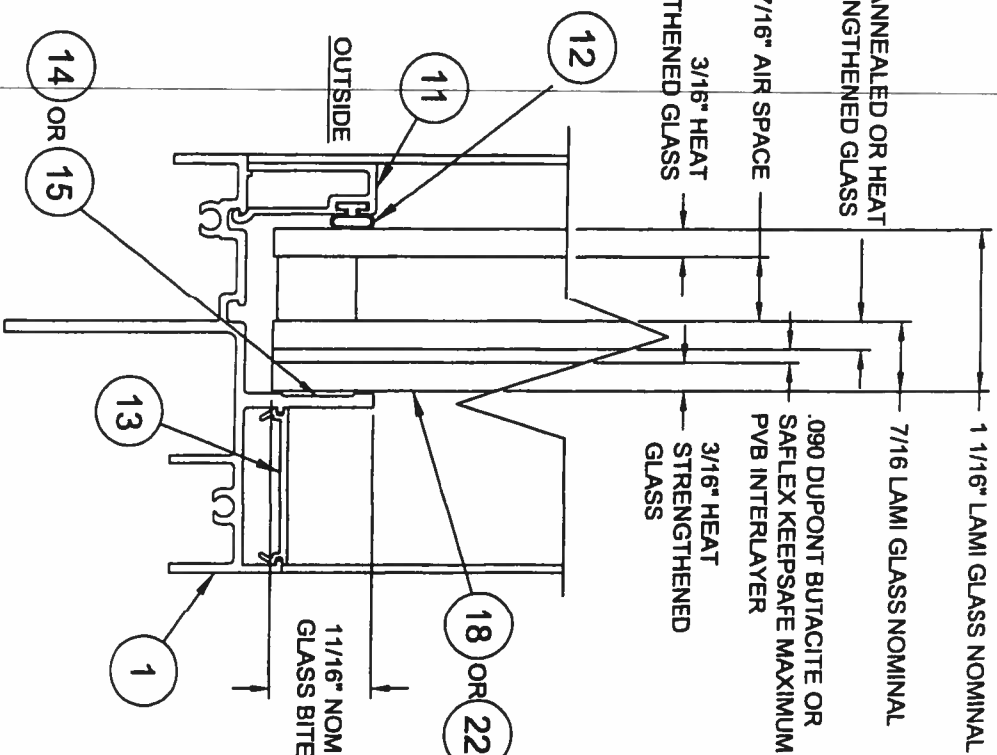
- A. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
- B. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
- C. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" STRENGTHENED GLASS WHICH IS COMPRISED 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.
- 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 1 AND INTEGRAL FIN - SEE SHEET 6, TABLE 2)
- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
- C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
3. FLANGED UNIT ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS: (SEE SHEET 10, DETAILS C, D & E)
- HEAD & SILL: MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.
- JAMBS:  MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.
- (DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
4. INTEGRAL FIN UNIT ANCHORAGE WITH NAILS: SINGLE ROW OF .130 DIA. x 2 1/2" LG. NAILS AS FOLLOWS: (SEE SHEET 10, DETAILS C & SILL:
- HEAD & SILL: AT EACH CORNER
MAX. 5" O.C.
- JAMBS: AT EACH CORNER
MAX. 5" O.C.
5. INTEGRAL FIN UNIT ANCHORAGE WITH #12 SCREWS: SINGLE ROW OF SCREWS AS FOLLOWS: (SEE SHEET 10, DETAILS B)
- HEAD & SILL: MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.
- JAMBS:  MAX. 8 1/2" FROM CORNERS
MAX. 11" O.C.
- (DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
6. SHUTTER REQUIREMENT: NONE REQUIRED
7. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
8. REFERENCE TEST REPORTS: FTL-3835 & FTL-3850

NOA DRAWING TABLE OF CONTENTS	
GENERAL NOTES	SHEET
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ELEVATIONS, FLANGED.....	2
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Revised By:	Date:	Revision:
Revised By:	Date:	Revision:
Drawn By: F.K.	Date: 12/15/03	Revision A
Drawn By: F.K.	Date: 7/14/03	Checked By: Date:
REDUCE ANCHOR SPACING		
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274		
PCT <i>Visibly Better</i>		
Description: NOTES & TABLE OF CONTENTS		
Title: ALUMINUM PICTURE WINDOW, IMPACT		
Specification: PW-701	Scale: NTS	Sheet: 1 of 10
Drawing No.: 4259-A		Rev.: A

Approved as complying with the
Florida Building Code
Date: 02/19/04
NOA# 03-1105-01
Miami Dept. Public Contract
Division
D. Williams

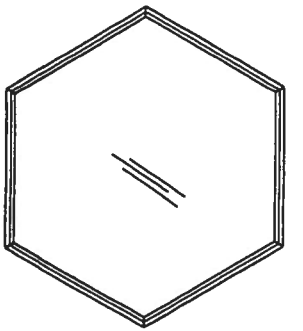
Robert I. Clark, P.E.
PE #39712
Structural



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

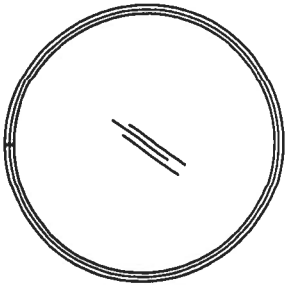
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GLAZING DETAILS	
THE	
ALUMINUM PICTURE WINDOW, IMPACT	
Manufacturer	Glazing Material
DATE 7/93	DATE 7/93
Scale	Sheet
NTS	7
Drawing No.	1000-0
Rev.	0

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



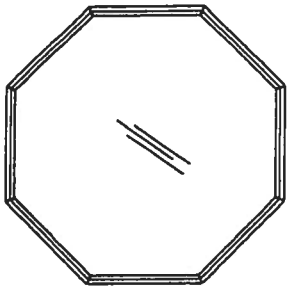
HEXAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 21.65 SQ. FT.



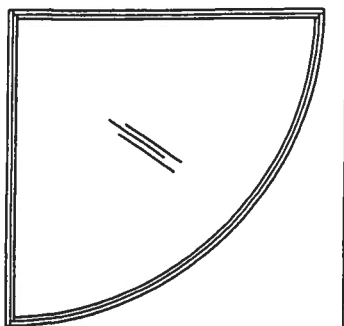
FULL CIRCLE

MAX. SIZE = 60" DIA.
OR MAX. AREA = 19.63 SQ. FT.



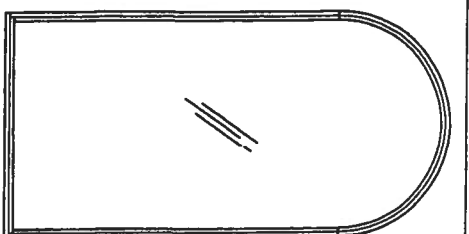
OCTAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 20.71 SQ. FT.



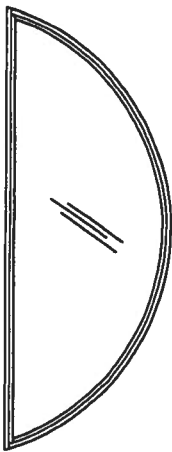
QUARTER CIRCLE

MAX. SIZE = 68" X 68"
OR MAX. AREA = 25.22 SQ. FT.



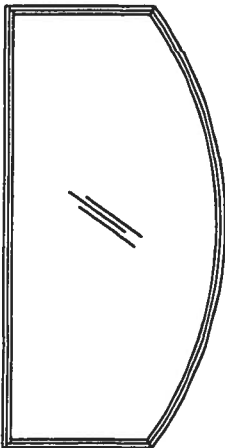
ARCH

MAX. SIZE = 48" X 96"
OR MAX. AREA = 30.28 SQ. FT.



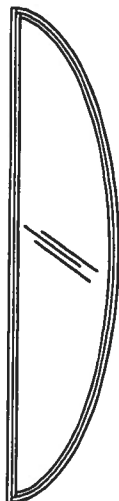
FAN

MAX. SIZE = 96" X 47"
OR MAX. AREA = 24.47 SQ. FT.



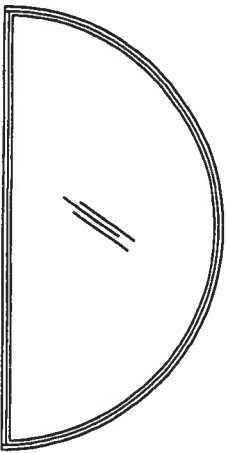
EYEBROW

MAX. SIZE = 96" X 48"
OR MAX. AREA = 31.99 SQ. FT.



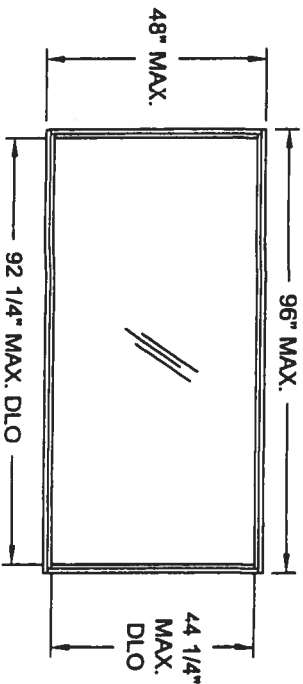
ELLIPTICAL

MAX. SIZE = 96" X 47"
OR MAX. AREA = 31.99 SQ. FT.



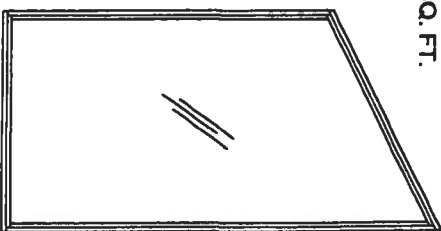
HALF CIRCLE

MAX. SIZE = 96" X 48"
OR MAX. AREA = 25.13 SQ. FT.



RECTANGLE

MAX. SIZE = 48" X 96"
OR MAX. AREA = 32.00 SQ. FT.



TRAPEZOID

MAX. SIZE = 48" X 96"
OR MAX. AREA = 31.99 SQ. FT.

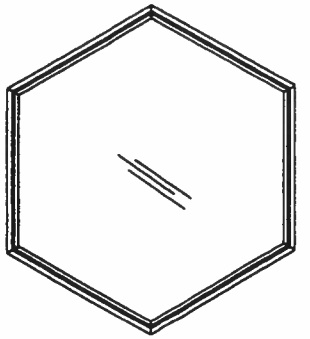
NOTE:

FOR ANCHORAGE INFORMATION SEE NOTE 3, SHEET 1
AND SHEET 10, DETAILS C, D & E.

Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PCT Visibly Better	Drawn by: FLANGED ELEVATIONS Title: ALUMINUM PICTURE WINDOW, IMPACT Scale: NTS Sheet: 3 of 10 Drawing No: 4259-4 Rev: A
Revised By:	Date:	Revisions:				
Revised By:	Date:	Revisions:				
Revised By:	Date:	Revisions:				
Drawn By:	Date:	Checked By:	NO CHANGE THIS SHEET			
F.K.	7/14/03					

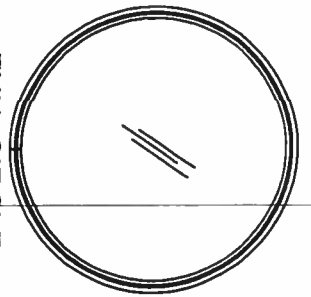
Approved as complete with the
Final Quality Check
Date: 02/11/04
Name: D. J. HOS. OI
Title: Senior Project Engineer
By: [Signature]
Date: 02/11/04

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



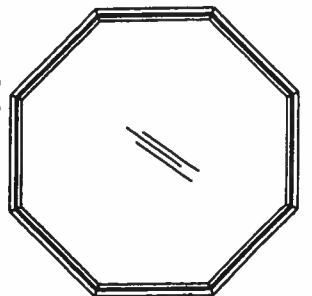
HEXAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 21.65 SQ. FT.



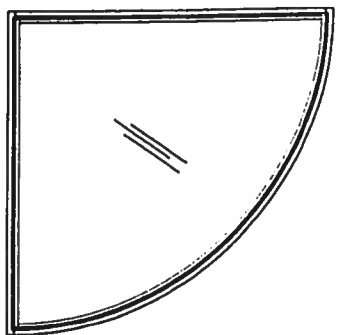
FULL CIRCLE

MAX. SIZE = 60" DIA.
OR MAX. AREA = 19.63 SQ. FT.



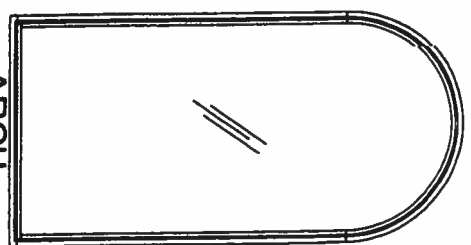
OCTAGON

MAX. SIZE = 60" BETWEEN FLATS
OR MAX. AREA = 20.71 SQ. FT.



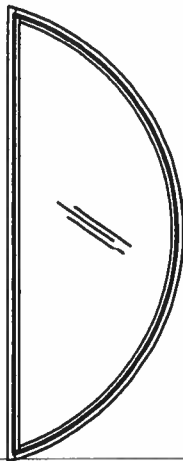
QUARTER CIRCLE

MAX. SIZE = 68" X 68"
OR MAX. AREA = 25.22 SQ. FT.



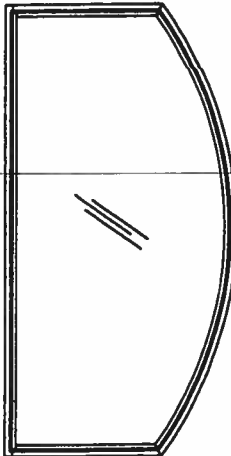
ARCH

MAX. SIZE = 48" X 96"
OR MAX. AREA = 30.28 SQ. FT.



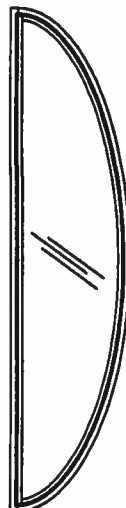
FAN

MAX. SIZE = 96" X 47"
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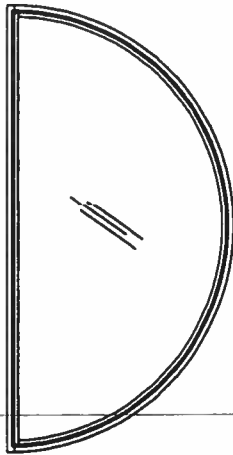
EYEBROW

MAX. SIZE = 96" X 48"
OR MAX. AREA = 31.99 SQ. FT.



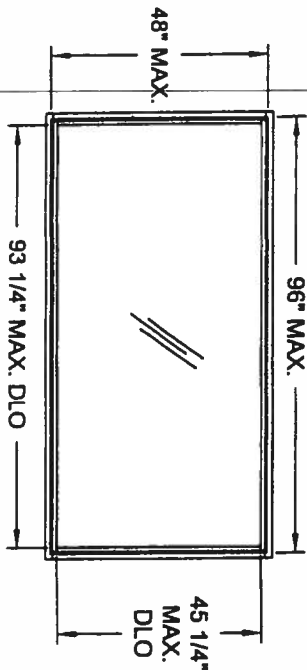
ELLIPTICAL

MAX. SIZE = 96" X 47"
OR MAX. AREA = 31.99 SQ. FT.



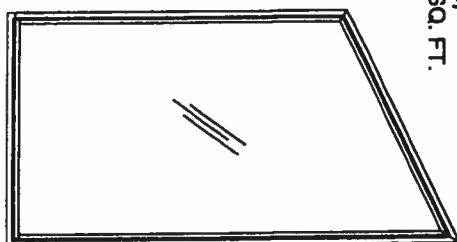
HALF CIRCLE

MAX. SIZE = 96" X 48"
OR MAX. AREA = 25.13 SQ. FT.



RECTANGLE

MAX. SIZE = 48" X 96"
OR MAX. AREA = 32.00 SQ. FT.



TRAPEZOID

MAX. SIZE = 48" X 96"
OR MAX. AREA = 31.99 SQ. FT.

NOTE:

FOR ANCHORAGE INFORMATION SEE NOTES 4 & 5, SHEET 1
AND SHEET 10, DETAILS A & B.

Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P O BOX 1629 NOKOMIS, FL 34274 PCT Visibly Better	Description: INTEGRAL FINE ELEVATIONS				
Revised By:	Date:	Revisions:			The ALUMINUM PICTURE WINDOW, IMPACT				
F.K.	12/15/03	A	NO CHANGE THIS SHEET		Standard:	Scale:	Sheet:	Drawing No:	Rev:
Drawn By:	Date:	Revisions:			PW-701	NTS	4 of 10	4259-4	A
F.K.	7/14/03								

Approved as submitted with this
Drawing, Building Code
Permit 02119104
Date 05-11-05, 01
Miami-Dade Building Department
By: *[Signature]*

[Signature]
12/16/03
Robert L. Clark, P.E.
PE #39712
Structural

COMPARATIVE ANALYSIS TABLE 1.

GLASS TYPE:

- A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS)
- B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS)
- C. 1 1/16" LAM I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS)
- D. 1 1/16" LAM I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS)

FTL-3835
FTL-3835
FTL-3850
FTL-3850

WINDOW WIDTH	WINDOW HEIGHT											
	28.500	34.000	39.500	45.000	46.500	48.000	48.000	48.000	48.000	48.000	48.000	48.000
49.000	A&C 80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
	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	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 SQ.FT.	9.698	11.569	13.441	15.313	15.823	16.333	16.333	16.333	16.333	16.333	16.333	16.333
	54.500	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	10.786	12.868	14.950	17.031	17.599	18.167	18.167	18.167	18.167	18.167	18.167	18.167
	60.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	11.875	14.167	16.458	18.750	19.375	20.000	20.000	20.000	20.000	20.000	20.000	20.000
	65.500	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	12.964	15.465	17.967	20.469	21.151	21.833	21.833	21.833	21.833	21.833	21.833	21.833
	71.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	14.052	16.764	19.476	22.188	22.927	23.667	23.667	23.667	23.667	23.667	23.667	23.667
	76.500	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	15.141	18.063	20.984	23.906	24.703	25.500	25.500	25.500	25.500	25.500	25.500	25.500
	82.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	16.229	19.361	22.493	25.625	26.479	27.333	27.333	27.333	27.333	27.333	27.333	27.333
	87.500	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	17.318	20.660	24.002	27.344	28.255	29.167	29.167	29.167	29.167	29.167	29.167	29.167
	93.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	18.406	21.958	25.510	29.063	30.031	31.000	31.000	31.000	31.000	31.000	31.000	31.000
	96.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0
AREA SQ.FT.	19.000	22.667	26.333	30.000	31.000	32.000	32.000	32.000	32.000	32.000	32.000	32.000
	100.000	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0

- NOTES:
- TABLE 1 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +.60 P.S.F. WHEN ANCHORING WITH #12 SCREWS.
 - ALL MAXIMUM SIZES SHOWN ON SHEET 3 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 1.
 - 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 RECTANGULAR SIZE IN TABLE 1, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.

Revised By:	Date:	Revised By:	Date:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34205	 Visibly Better	THE ALUMINUM PICTURE WINDOW, IMPACT PW-701	Size: 5' x 10' Drawing No: 4259-4	Rev: A
Drawn By:	Date:	Drawn By:	Date:	P.O. BOX 1529 NOKOMIS, FL 34205				

Approved as complying with the
Florida Building Code
Date: 02/11/94
By: [Signature]
Robert L. Clark, P.E.
PE #39712
Structural

COMPARATIVE ANALYSIS TABLE 2.

GLASS TYPE:

A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS) FTL-3835

B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS) FTL-3835

C. 1 1/16" LAM I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS) FTL-3850

D. 1 1/16" LAM I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS) FTL-3850

WINDOW WIDTH	WINDOW HEIGHT											
	28.500	34.000	39.500	45.000	46.500	48.000						
49.000	A&C 80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	79.4 -80.0	79.4 -80.0						
	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 SQ.FT.	9.698	11.569	13.441	15.313	15.823	16.333						
54.500	A&C 80.0 -80.0	80.0 -80.0	78.9 -78.9	74.3 -74.3	71.9 -73.1	71.9 -71.9						
	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 SQ.FT.	10.786	12.868	14.950	17.031	17.599	18.167						
60.000	A&C 80.0 -80.0	80.0 -80.0	72.2 -72.2	67.8 -67.8	65.0 -66.4	65.0 -65.0						
	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 SQ.FT.	11.875	14.167	16.458	18.750	19.375	20.000						
65.500	A&C 80.0 -80.0	78.9 -78.9	65.5 -65.5	61.7 -61.7	59.6 -60.7	59.6 -59.6						
	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 SQ.FT.	12.964	15.465	17.967	20.469	21.151	21.833						
71.000	A&C 80.0 -80.0	75.3 -75.3	61.1 -61.1	56.4 -56.4	54.6 -55.5	54.6 -54.6						
	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 SQ.FT.	14.052	16.764	19.476	22.188	22.927	23.667						
76.500	A&C 80.0 -80.0	72.6 -72.6	57.1 -57.1	51.5 -51.5	51.0 -51.3	51.0 -51.0						
	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 SQ.FT.	15.141	18.063	20.984	23.906	24.703	25.500						
82.000	A&C 80.0 -80.0	69.4 -69.4	53.8 -53.8	47.2 -47.2	46.6 -46.9	46.6 -46.6						
	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 SQ.FT.	16.229	19.361	22.493	25.625	26.479	27.333						
87.500	A&C 80.0 -80.0	66.4 -66.4	51.0 -51.0	42.6 -42.6	43.1 -42.7	43.1 -43.1						
	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 SQ.FT.	17.318	20.660	24.002	27.344	28.255	29.167						
93.000	A&C 80.0 -80.0	65.0 -65.0	48.9 -48.9	41.2 -41.2	40.4 -40.2	40.4 -40.4						
	B&D 80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	79.7 -79.7	76.0 -76.0						
AREA SQ.FT.	18.406	21.958	25.510	29.063	30.031	31.000						
96.000	A&C 80.0 -80.0	63.9 -63.9	48.0 -48.0	40.2 -40.2	39.0 -38.9	39.0 -39.0						
	B&D 80.0 -80.0	80.0 -80.0	80.0 -80.0	80.0 -80.0	76.9 -76.9	73.1 -73.1						
AREA SQ.FT.	19.000	22.667	26.333	30.000	31.000	32.000						

NOTES:

- TABLE 2 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +.60 P.S.F. WHEN ANCHORING WITH #12 SCREWS.
- ALL MAXIMUM SIZES SHOWN ON SHEET 4 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 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 RECTANGULAR SIZE IN TABLE 2, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.



Revised By:	Date:	Revised By:	Date:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	 Visibly Better	Drawn By:	Date:	Checked By:	Date:	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS	Scale:	Sheet:	Drawn By:	Date:
F.K.	7/14/03	A	7/14/03	NOKOMIS, FL 34274		FW-701	NTS	6	10	4259-4	A			
INTEGRAL FIN UNIT DESIGN PRESSURES														

Approved as complying with the
Florida Building Code
Date: 02/19/04
NOKOMIS, FL 34275
Robert L. Clark, P.E.
Structural

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

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



Approved as complying with the
 Florida Building Code
 Date: 02/19/04
 Title: NOVA 03-1105.01
 National Flood Protection Council
 Director: Dr. Robert L. Clark

R. L. Clark
 12/16/03

Robert L. Clark, P.E.
 PE #3712
 Structural

PREIS, Mike

From: Steve Clements [steve.clements@virginamerica.com]

Sent: Monday, February 20, 2006 11:17

To: PREIS, Mike; BUSSIERE, Alain; VAUDON, Jean-paul; GEBBIA, Giovanna; RUNDLETT, Miriam; WALBY, Thomas; RIVENBARK, William

Cc: Joe Houghton; Bob Weatherly; michael.a.barnett@faa.gov

Good Morning All from San Francisco,

Although we are not in the office today I wanted to bring you up to date on our schedule of events. The MFTD installation is on schedule and we will have an update this week if any changes. The remainder of the schedule remains unchanged and we are awaiting the detailed schedule for the simulators. Our POI will adjust his schedule as necessary. I have copied him on this communiqué.

On other issues, Bob, Joe and I met last week prior to their departure and are requesting the following:

1. Mike Preis and Jeff Prine have been instrumental in assisting with the development of our program. We would like to keep that relationship in place and on an unofficial basis want to designate these two individuals as our liasons.
2. We would like to have Mike oversee the simulator events in Miami and Jeff Prine oversee the MFTD/Ground Training events in SFO on an extended rotation basis if possible.
 - a. As this is our program, being instructed by airbus persons, we have complete flexibility on the ground curriculum and we believe Jeff is the perfect candidate to assist with the transition and instruction in the MFTD. Although we understand Jeff is not a Pilot, his professionalism, knowledge of the aircraft, and the manual system have earned him the respect of the Virgin America team and the FAA. These areas are essential to the success of our program. Virgin America will train Jeff in the areas necessary to comply with our program per our FAA approved program and FOTM.
3. We need the list of items from our teleconference last week so I can complete our bridge training curriculum.

I look forward to seeing you in early April.

Kindest Regards

Steve Clements
Director of Training

virgin america 

This mail has originated outside your organization,
either from an external partner or the Global Internet.
Keep this in mind if you answer this message.

2/20/2006

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
P.O. Box 1529
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series SWD-101 Outswing Aluminum French Door-Impact

APPROVAL DOCUMENT: Drawing No. 971, titled "French Door-X, XX", sheets 1 through 4 of 4, prepared, signed and sealed by Robert L. Clark, P.E., dated 4/13/01, 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

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.

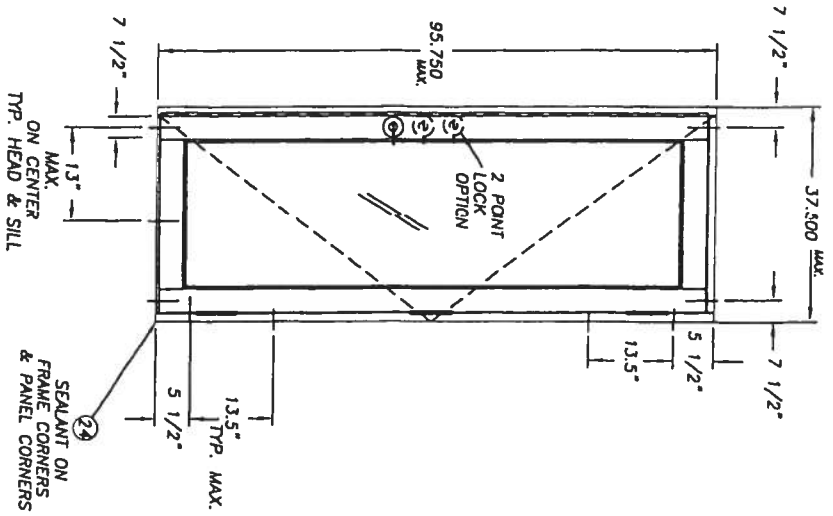
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 01-0417.04 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Theodore Berman, P.E.**

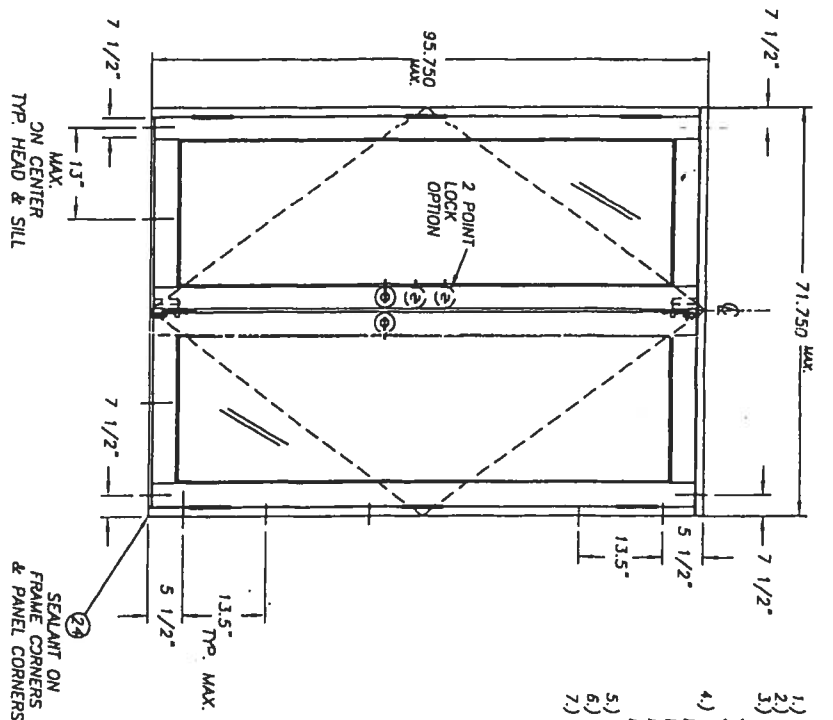


NOA No 02-0701.12
Expiration Date: November 22, 2006
Approval Date: July 12, 2002
Page 1

X



XX



LARGE MISSILE IMPACT DOORS

- 1.) GLAZING: 401/464 LAMINATED W/INTERLAYER (MONSANTO OR DUPONT)
- 2.) CONFIGURATIONS: X, XX
- 3.) DESIGN PRESSURE RATING:
 - 3a) 464 LAM.: +75 P.S.F. -75 P.S.F.
 - 3b) 401 LAM.: +60 P.S.F. -60 P.S.F.
- 4.) ANCHORS:
 - MAX. 7 1/2" FROM CORNERS (HEAD & SILL)
 - MAX. 5 1/2" FROM CORNERS (JAMB)
 - MAX. SPACING AT HEAD & SILL: 13.000
 - MAX. SPACING AT JAMB: 13.500
- 5.) NO SHUTTERS REQUIRED
- 6.) REFERENCE TEST REPORT: FTL-2241
- 7.) FOR LOCKING ASSEMBLY OPTION - SEE SHEET J OF 4

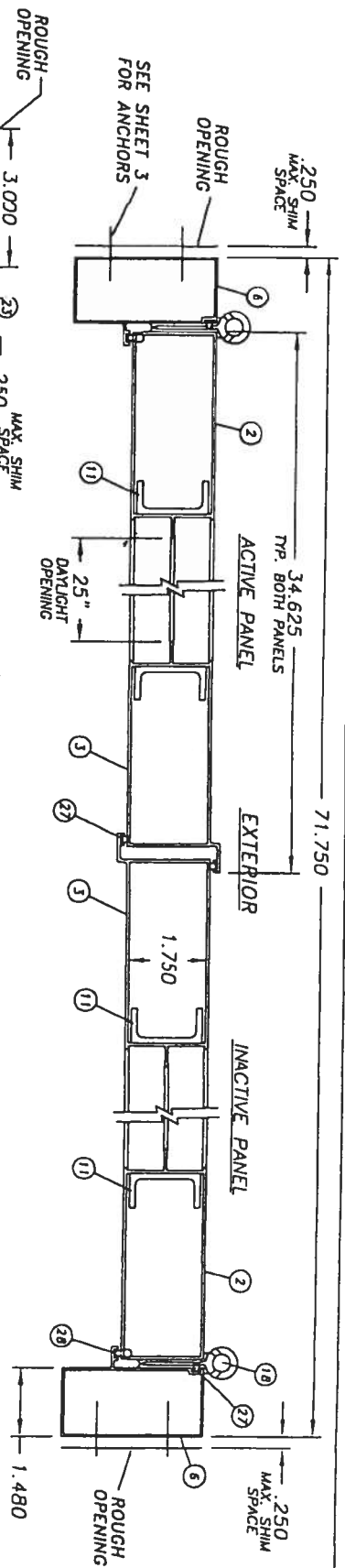
PRODUCT RENEWED
 In compliance with the Florida
 Building Code
 Adopted by the 03-0301.2
 Expiration Date: 12/31/06
 By: *Michael D. Freeman*
 Michael D. Freeman
 Division

PRODUCT RENEWED
 ACCEPTANCE No. 01-0417.04
 EXPIRATION DATE: November 23, 2006
 By: *Michael D. Freeman*
 Michael D. Freeman
 Division

Revisions: D) added 2pt. lock info		Titleblock: 1070 Technology Dr. Nokomis, FL 34275		PGT INDUSTRIES	
Material: SMD-101	Description: French Door - X, XX	Scale: 1x	Sheet: 1 of 4	Drawing No.: 971	Rev: D
Revised By: <i>Robert L. Clark, P.E.</i> Date: 11/11/00	Check By: <i>Robert L. Clark, P.E.</i> Date: 2/16/98	Vendor No.:	Scale:	Sheet:	Rev:
Drawn By: <i>Robert L. Clark, P.E.</i> Date: 11/11/00	Check By: <i>Robert L. Clark, P.E.</i> Date: 2/16/98	Vendor No.:	Scale:	Sheet:	Rev:

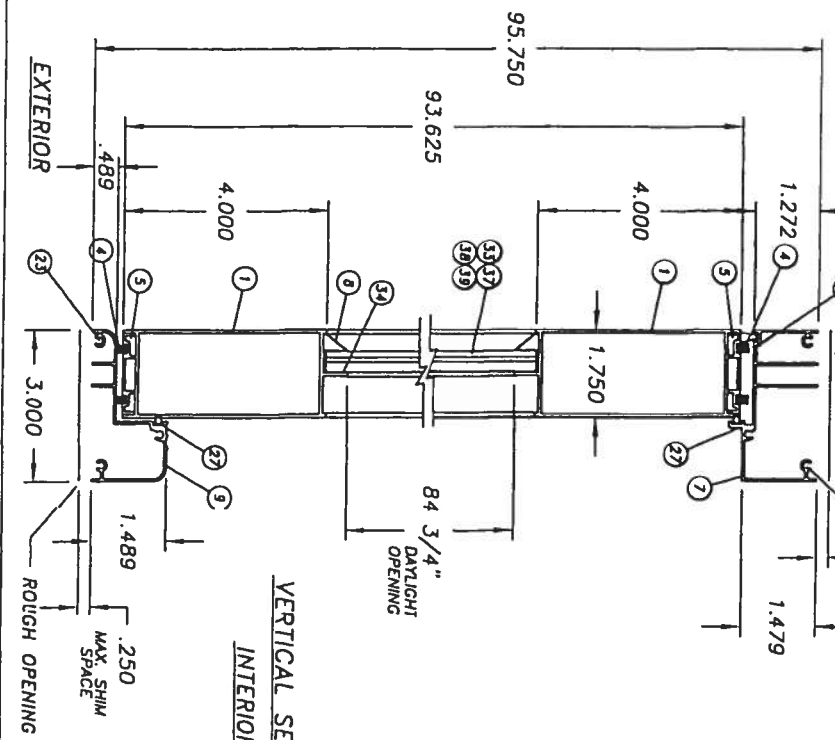
Robert L. Clark, P.E.
 P.E. #39712
 Structural

Robert L. Clark
 4/13/01



HORIZONTAL SECTION

INTERIOR



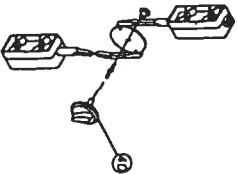
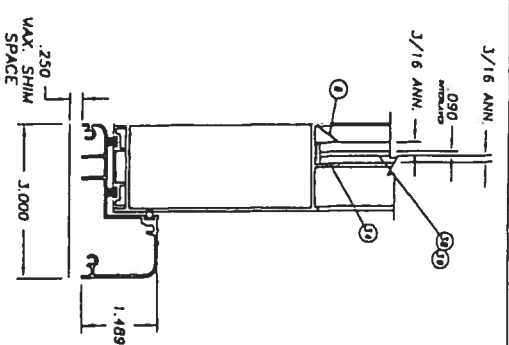
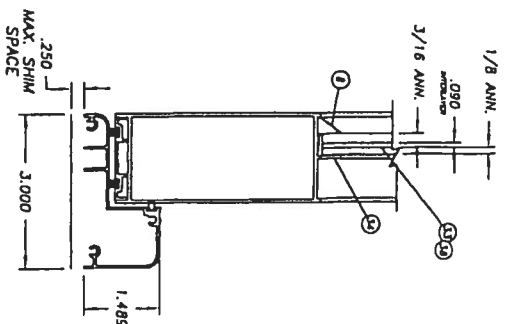
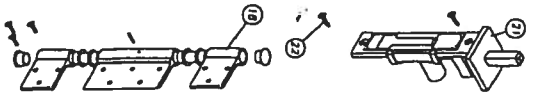
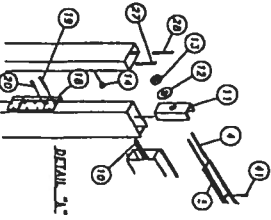
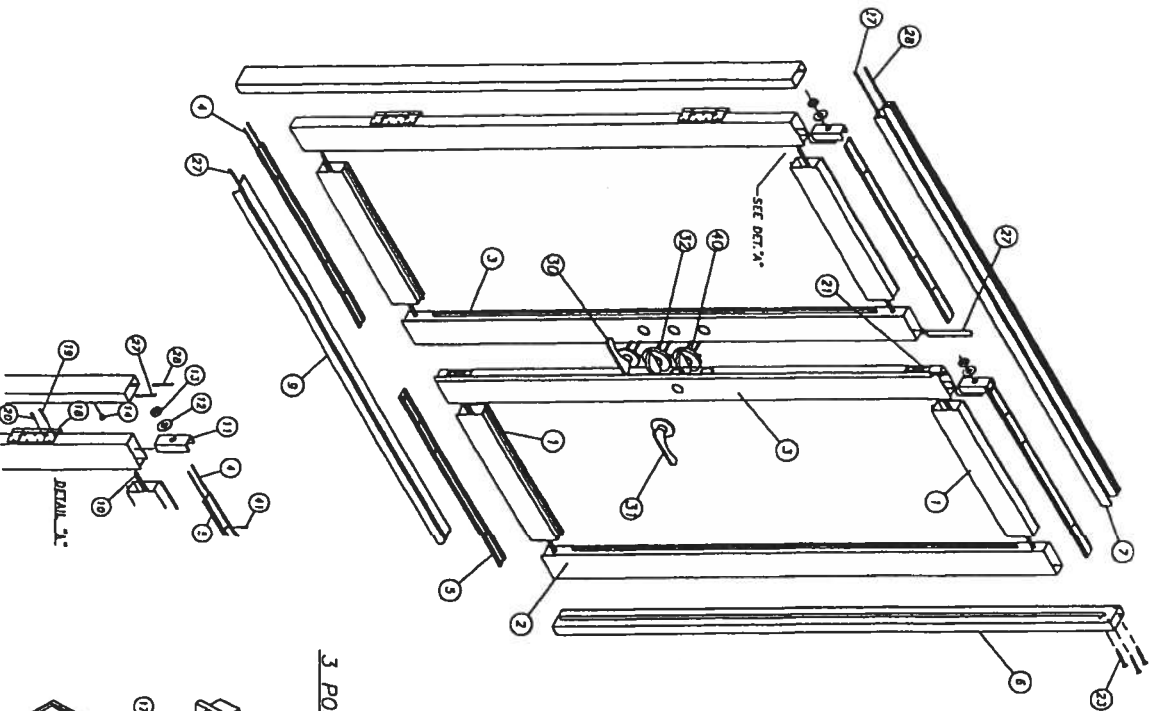
VERTICAL SECTION

INTERIOR

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

Revisions:		Indicates: Update Detail		1070 Technology Dr. Nokomis, FL. 34275		PCT INDUSTRIES	
D) added 2 pt. lock info							
Material:							
Revised By:	Date:	Check By:	Date:				
D.B.	11/17/00						
Drawn By:	Date:						
D.B.	2/16/98						
Description:				French Door -- Elevations			
Part NO:		VENDOR NO:		Scale:		Sheet:	
						2 of 4	
						Drawing No.	
						971	
						Rev:	
						D	

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 02-030612
 Expiration Date 2/22/06
 By: *Shawn J. Lande*
 Product Description
 FRENCH DOOR COMPLIANCE OFFICE

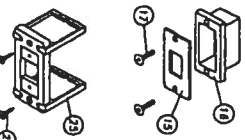


401" LAM. W/NOISANT SATUR. PVR INTERLAYER
OR 401" LAM. W/NOISANT SATUR. INTERLAYER
SEE NOTE 3 ON SHEET
DESIGN PRESSURE RATING: \$60 psf.

464" LAM. W/NOISANT SATUR. PVR INTERLAYER
OR 464" LAM. W/NOISANT SATUR. INTERLAYER
SEE NOTE 3 ON SHEET
DESIGN PRESSURE RATING: \$75 psf.

PRODUCT REVISED
in accordance with the Florida
Building Code
Amendment No. 03-0301.12
Expiration Date 11/22/10
By *Robert L. Clark*
Miami/Dade Product Control
Division

PRODUCT RENEWED
ACCEPTANCE No. 01-0417.04
EXPIRATION DATE: NOVEMBER 22, 2006
by *Robert L. Clark*
Miami/Dade Product Control
Division

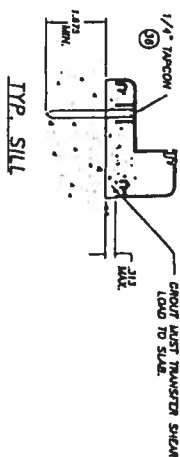
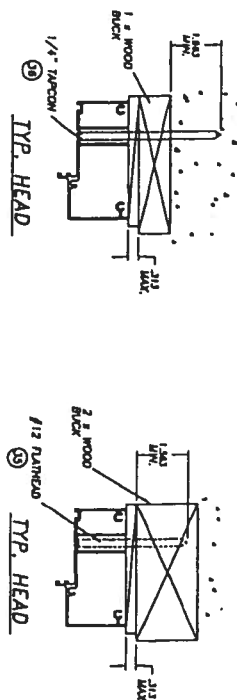


Robert L. Clark
11/13/01

Revisions:		D) added 2 pt. lock info	
Drawn By:	Date:	Chkd By:	Date:
D.B.	11/17/00	D.B.	2/16/98
Description:		French Door - Exploded/Glazing	
Material:		SWD-101	
Technical Data:		1070 Technology Dr. Nokomis, FL 34275	
Part No.:		971	
Drawing No.:		971	
Scale:		3 of 4	
Sheet:		D	

Robert L. Clark
P.E. #39712
Structural

PCT
INDUSTRIES



ITEM	DESCRIPTION	V.I. #	QTY./DESCRIPTION	VENDOR	VENDOR #
1	DOOR HEAD/SILL	60375		ALUMAX	AF-10375
2	DOOR JAMB (HINGED)	60376		ALUMAX	AF-10376
3	DOOR ASIRAGAL	60377		ALUMAX	AF-10377
4	.250 x .187 FINSLAL STRIP	67924G	8 (2/each door top & bot. roll)	SCHL GCEL CORP.	652824-102
5	DOOR W-STRIP CHANNEL	60379		ALUMAX	AF-10379
6	FRAME JAMB	60380		ALUMAX	AF-10380
7	FRAME HEAD	60411		ALUMAX	AF-12376
8	GLAZING BEAD (ROLL FORM)	65170		FLORIDA SCREEN	AF-12375
9	GLAZING THRESHOLD	61094M	4 (1/door top & bot. roll)	FASTEC INDUSTRIAL	AF-10378
10	5/16x18 THREADED ROD	60378M	8 (2/ea. door top & bot. roll)	ALUMAX	
11	TRUSS CLAMP	7MASHA	8 (2/ea. door top & bot. roll)	FASTEC INDUSTRIAL	
12	5/16x1/16 TRUSS WASHER	41722W	8 (2/ea. door top & bot. roll)	PGT INDUSTRIES	41722W
13	5/16x18 TRUSS NUT	7JUNIA		PGT INDUSTRIES	
14	FRAME SCR. COVER CAP	41722W		CMC CORP	
15	STRIKE PLATE	7955X		PGT INDUSTRIES	41721
16	STRIKE PLATE INSERT	41721		PGT INDUSTRIES	
17	10x3/4 SCR. FLT. HD. PHIL	71034A		MERCHANTS FASTENER	
18	HINGE ASSY.	7FHMOW	6 (3/frame jambs)	MERCHANTS FASTENER	
19	10x.625 FLT. HD. PHIL	77058FP	26 (6/hinge + hinge-door jamb)	NATIONWIDE IND.	
20	10x1/2 FLT. HD. PHIL.	710x122PW	30 (5/hinge & hinge-frame jamb)	MERCHANTS FASTENER	
21	10P/BOLT. SLIDE BOLT LOCK	417220	2 (1 ea. top/bot. of l.h. astragal)	PGT INDUSTRIES	417220
22	6x1/2 FLT. HD. PHIL.	76132W	4 (2/slide bolt locks)	MERCHANTS FASTENER	
23	8x1 1/2 SCR. PH HD. QJAO.	78112A	12 (6/hood & sill)	FASTEC INDUSTRIAL	
24	SEAL SEALER	65MASHW		SCHNEE MOREHEAD	5M5504
25	LOCK SUPPORT ASSY.	4UBLOK	3 (1/lock)	PGT INDUSTRIES	4UBLOK
26	6x3/4 FLT. HD. PHIL.	7634F	6 (2/lock support assy.)	FASTEC INDUSTRIAL	
27	.250 x .190 QJON	60200K	5 (1/astragals/r. jambs & head)	SCHL ECEL CORP.	Q200X190
28	3/5 x .190 QJON	60300W	4 (1/astragals & frame jambs)	PGT INDUSTRIES	Q35X190
29	3 POINT LOCK ASSY.	FD3P3AY	1 (ea. astragal)	PGT INDUSTRIES	FD3P3AY
30	LOCK (ACJNE)	7LOKAP	1 (ea. astragal)	HARLOC	100
31	LOCK (DUWAY)	7LOKIP	1 (ea. astragal)	HARLOC	880
32	DEAD-BOLT LOCK	7BLTTP	1 (ea. astragal)	HARLOC	820
33	421 LAM. W/MONSANTO			H.P.G.	
34	SILICONE	62899C		DOW CORNING	899
35	1/2 Ph. Pn. SMS				
36	1/4 TAPCON			H.P.G.	
37	431 LAM. W/DUPONT			H.P.G.	
38	454 LAM. W/DUPONT			PGT INDUSTRIES	
39	454 LAM. W/MONSANTO			SPENCER PRODUCTS	
40	2 POINT LOCK ASSY		1 (ea. astragal)		
41	41 x .75 Ph. Fl. Tek	7834FPT			

PRODUCT REVIEWED
AS COMPLYING WITH THE FLORIDA
BUILDING CODE
APPROVED BY NO. 02-0301.12
EXPIRATION DATE 11/22/06
BY Michael D. Dwyer
Michael Dwyer Product Control
Division

PRODUCT REVIEWED
ACCEPTANCE NO. 01-0417.04
EXPIRATION DATE November 22, 2006
BY Michael D. Dwyer
Michael Dwyer Product Control
Division

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

Revision: D) added 2 pt. lock info		Johannes Urban, Inuit Firearm 2 1/8" Decided 100 % Decided 100 % Applied: 2 1/8"		1070 Technology Dr. Nokomis, FL. 34275					
Material:		SWD-101							
Description: French Door - Anchorage/B.O.M.									
Revised By: D.B.	Date: 11/11/00	Chgd By:	Date:	Pct NO:	VENDOR NO:	Scale:	Sheet: 4 of 4	Drawing No. 971	Rec: D



**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**

NOTICE OF ACCEPTANCE (NOA)

**PGT Industries
P.O. Box 1529
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series FD-101 Outswing Aluminum French Door w/ Sidelites - Impact

APPROVAL DOCUMENT: Drawing No. 972, titled "Aluminum French Door w/ Sidelites", sheets 1 through 8 of 8, prepared by manufacturer, dated 7-12-99 and last revised on 01-17-03, 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 revises & renews NOA # 02-0702.01 and, consists of this page 1 as well as approval document mentioned above.

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



**NOA No 02-0927.13
Expiration Date: February 13, 2008
Approval Date: February 13, 2003
Page 1**

OXO



ANCHORS ARE TYP. IN HEAD & SILL

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

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



PGT
INDUSTRIES

Received By:	Date:	Reference:
F.K.	1/17/03	D-ADD O.O. DIM.S
Received By:	Date:	Reference:
F.K.	9/9/02	C-ADD 7/16 GLASS & TREES
Received By:	Date:	Reference:
F.K.	8/20/01	B-PER LETTER 8/17/00
Drawn By:	Date:	
D.B.	7/12/99	

PRODUCT BETWEEN
in compliance with the Florida
Building Code
Acceptance No. 02-0927-13
Expiration Date 02/24/2013
By Isaac I. Claudio
Official Date Printed On
Division

ELEVATIONS OXXO & OXO

ALUMINUM FRENCH DOOR W/ SIDELITES

Series/Model: FD-101	Scale: NTS	Sheet: 1 of 8	Drawing No.: 372	Rev.: D
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COMPARATIVE ANALYSIS TABLE 1 - GLASS OPTION 1										
3/16" Heat Strengthened, .090 Inner Layer, 1/8" Annealed										
Qty. of Slabs	Sidelite Width	Max. Door Widths	Heights							
1	22,000	37,500	79,750	83,750	87,750	91,750	95,750	99,750	103,750	107,750
1	28,000	37,500	75.0	75.0	72.5	70.2	68.8	67.4	66.0	64.6
1	30,000	37,500	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
1	33,000	37,500	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
1	36,125	37,500	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
2	22,000	71,750	75.0	75.0	72.5	70.2	68.8	67.4	66.0	64.6
2	28,000	71,750	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
2	30,000	71,750	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
2	33,000	71,750	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9
2	36,125	71,750	74.7	73.2	70.8	68.5	67.1	65.7	64.3	62.9

COMPARATIVE ANALYSIS TABLE 2 - GLASS OPTION 2										
3/16" Heat Strengthened, .090 Inner Layer, 1/8" Heat Strengthened										
Qty. of Slabs	Sidelite Width	Max. Door Widths	Heights							
1	22,000	37,500	79,750	83,750	87,750	91,750	95,750	99,750	103,750	107,750
1	28,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	30,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	33,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	36,125	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	22,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	28,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	30,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	33,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	36,125	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

COMPARATIVE ANALYSIS TABLE 3 - GLASS OPTION 3										
3/16" Heat Strengthened, .090 Inner Layer, 3/16" Annealed										
Qty. of Slabs	Sidelite Width	Max. Door Widths	Heights							
1	22,000	37,500	79,750	83,750	87,750	91,750	95,750	99,750	103,750	107,750
1	28,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	30,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	33,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	36,125	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	22,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	28,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	30,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	33,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	36,125	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

COMPARATIVE ANALYSIS TABLE 4 - GLASS OPTION 4										
3/16" Heat Strengthened, .090 Inner Layer, 3/16" Heat Strengthened										
Qty. of Slabs	Sidelite Width	Max. Door Widths	Heights							
1	22,000	37,500	79,750	83,750	87,750	91,750	95,750	99,750	103,750	107,750
1	28,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	30,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	33,000	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1	36,125	37,500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	22,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	28,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	30,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	33,000	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2	36,125	71,750	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0

NOTES: 1. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98.

2. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98.

3. GENERAL: D/O = DAYLIGHT OPENING
D/O HEIGHT = DOOR HEIGHT - 10.875"
D/O WIDTH SIDELITE = SIDELITE WIDTH - 2.750"
D/O WIDTH PANEL = PANEL WIDTH - 12.500"

Robert L. Clark, P.E.
1/11/03
Robert L. Clark, P.E.
PE #39712
Structural

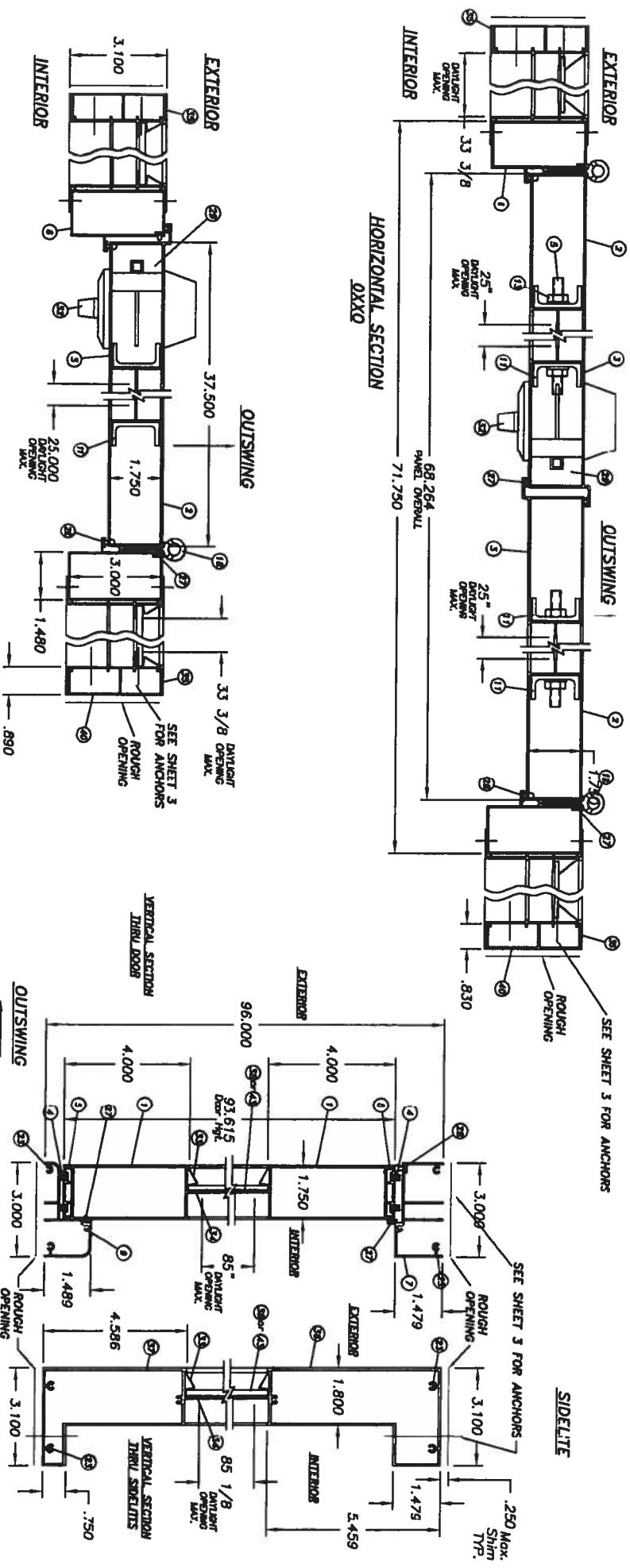
PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
MCKINNAH, FL 34275
MCKINNAH, FL 34274

Revised By:	Date:	Revised By:	Date:
F.K.	1/17/03	D-MOD TABLES & ADD NOTE 3	
F.K.	9/9/02	C-NEW DESIGN TABLES	
F.K.	8/20/01	B-PER LETTER 8/17/01	
D.B.	7/12/99		

PRODUCT REVIEWED
on compliance with the Florida
Building Code
Approved By: *1/11/03*
Michael Clark, President
Division

ALUMINUM FRENCH DOOR W/ SIDELITES
FD-101
Scale: NTS
Sheet: 2 of 8
Drawing No. 372
Rev: D

NOTE: INNER LAYER MAY BE DUPONT BUTACITE PVB OR SAFLEX/KEEPSAFE MAXIMUM.



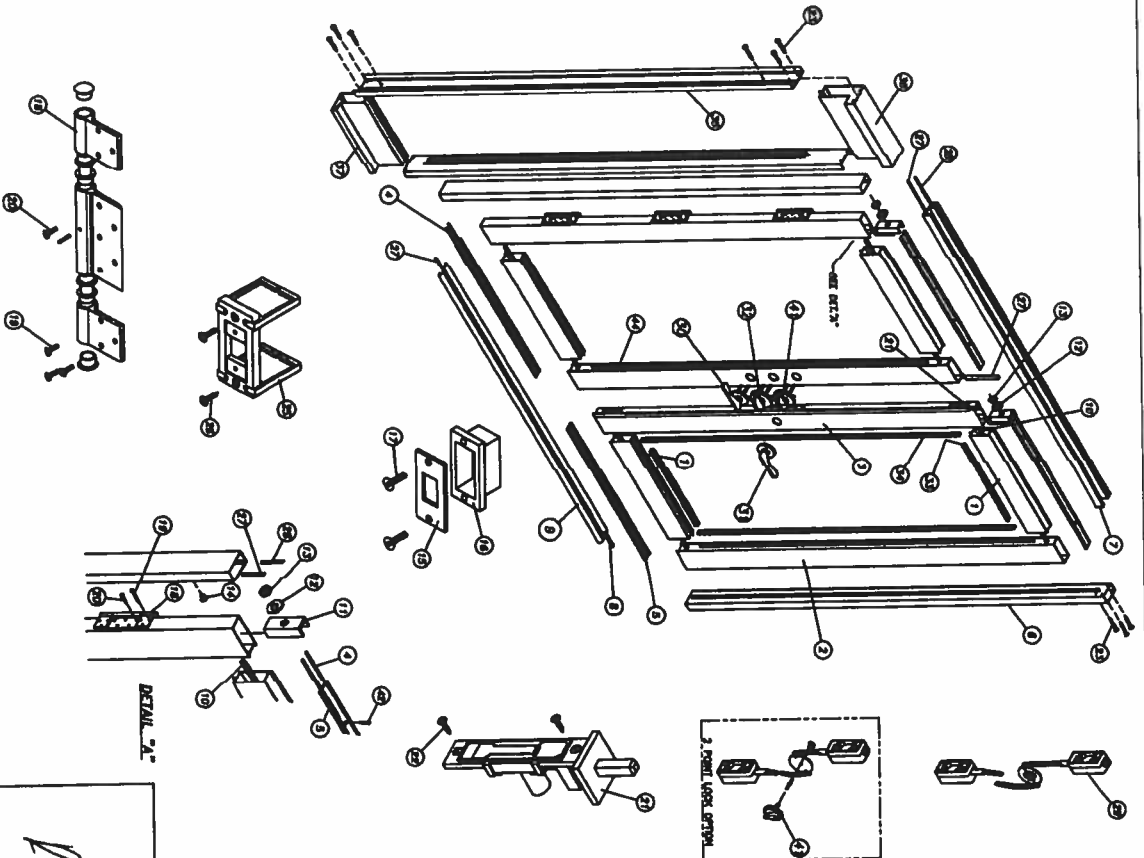
HORIZONTAL SECTION
DXO

REFERENCE TEST REPORT: FTL-2067

[Signature]
11/12/99
Robert L. Clark, P.E.
PE #39712
Structure

PCT INDUSTRIES
1070 TECHNOLOGY DRIVE
MUNDOOK, FL 34275
MUNDOOK, FL 34274

SECTIONS			
Revised By:	Date:	Revised By:	Date:
F.K.	1/17/03	D-NO CHG THIS SH	
F.K.	8/9/02	C-NO CHG THIS SH	
F.K.	8/20/01	PER LETTER 8/17/01	
Drawn By:	Date:	PRODUCT RENEWED in compliance with the Florida Building Code Adoption of 2002-07-27/13 Expiration Date: 02-07-2009 By: [Signature] Product Sales Representative	
D.B.	7/12/99		
Sheet/Block:	Scale:	Sheet:	Drawing No.
FD-101	NTS	4 of 8	372
ALUMINUM FRENCH DOOR W/ SIDELITES			Part:
			D



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

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1329
NOKOMIS, FL 34274

Serial/Model:
FD-101

Scale:
NTS

Sheet:
5 of 8

Drawing No.
972

Rev:
D

PCT
INDUSTRIES

BILL OF MATERIALS

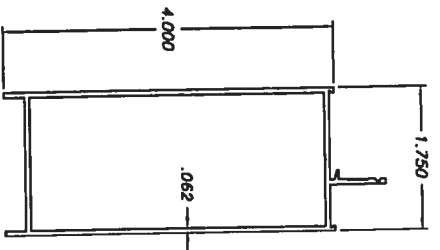
Description:

Revised By:	Date:	Revisions:
F.K.	1/17/03	D-NO CHG THIS SHIT
F.K.	9/9/02	C-ADD 7/16L GLASS
F.K.	8/20/01	B-FER LETTER 8/17/01
Drawn By:	Date:	
D.S.	7/12/99	

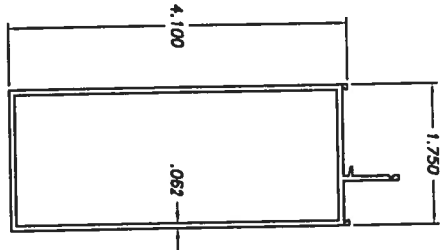
PRODUCT REVIEWED
as complying with the Florida
Building Code
Amendment No. 02-032.13
Expiration Date: 8/28/12
By: [Signature]
Title: [Signature]
Project: [Signature]

NOTES: 1. QTY'S IN BRACKETS ARE FOR OYO CONFIGURATION
2. REFERENCE TEST REPORT: FTL-2067

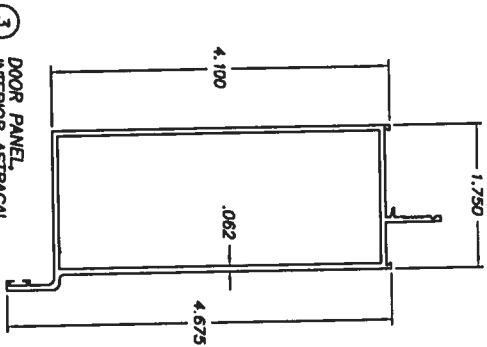
ITEM	DESCRIPTION	V.I. #	VENDOR	QTY	VENDOR #
1	DOOR HEAD/SILL (AL. 6063-15/062 WALL)	60375	ALUMAX	4 (2)	AF-10375
2	DOOR JAMB (AL. 6063-15/062 WALL)	60376	ALUMAX	2 (1)	AF-10376
3	DOOR ASTRAFL. INT. (AL. 6063-15/062 WALL)	60377	ALUMAX	1 (1)	AF-10377
4	250 x 187 FINISAL W-STRIPE	60378	SCHLAGE CORP.	6 (4)	528X-187
5	WSTIP CHANNEL (AL. 6063-15/062 WALL)	60379	ALUMAX	4 (2)	AF-10379
6	FRAME JAMB (AL. 6063-15/062 WALL)	60380	ALUMAX	1 (1)	AF-10380
7	FRAME HEAD (AL. 6063-15/062 WALL)	60411	ALUMAX	2 (2)	AF-12376
8	1 1/2 x 1 HD	61069	ALUMAX	1 (1)	AF-12375
9	Quinn. Threaded (AL. 6063-15/062 WALL)	61070	ALUMAX	4 (2)	AF-10378
10	5/16x18 THREADED ROD	60374	ALUMAX	8 (4)	AF-10378
11	Intra Comp. (AL. 6063-15/062 WALL)	7MWSA	FASTEC INDUSTRIAL	8 (4)	AF-10378
12	5/16x18 TRUSS NUT	7MWSA	FASTEC INDUSTRIAL	8 (4)	AF-10378
13	FRAME SCR. COVER CAP	41722W	PGI INDUSTRIES	2 (1)	41722W
14	STRIP PLATE	7855X	PGI INDUSTRIES	2 (1)	41721
15	STRIP PLATE INSERT	41721	PGI INDUSTRIES	2 (1)	41721
16	10x4 SCR. FLT. HD. PHIL.	710344	NATIONWIDE IND.	6 (3)	
17	HINGE ASSY.	710344	PGI INDUSTRIES	36 (18)	
18	10x625 SCR. FLT. HD. PHIL.	710587P	MERCHANT'S FASTENER	4 (2)	41720
19	10x1/2 SCR. FLT. HD. PHIL.	710587P	MERCHANT'S FASTENER	30 (15)	
20	10x1/2 SCR. FLT. HD. PHIL.	710587P	MERCHANT'S FASTENER	30 (15)	
21	6x1/2 SCR. PHIL. HD. QUAD.	78127W	FASTEC INDUSTRIAL	36 (36)	
22	6x1/2 SCR. PHIL. HD. QUAD.	78127W	FASTEC INDUSTRIAL	36 (36)	
23	6x1/2 SCR. FLT. HD. PHIL.	710587P	PGI INDUSTRIES	3 (2)	41810K
24	LOCK SUPPORT ASSY.	7832P	FASTEC INDUSTRIAL	8 (4)	
25	60x4 EIT. HD. PHIL.	60200K	SCHLAGE CORP.	1 (1)	Q200K190
26	60x4 EIT. HD. PHIL.	60200W	SCHLAGE CORP.	1 (1)	Q200K190
27	60x4 EIT. HD. PHIL.	60200W	PGI INDUSTRIES	1 (1)	Q200K190
28	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
29	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
30	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
31	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
32	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
33	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
34	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
35	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
36	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
37	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
38	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
39	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
40	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
41	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
42	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
43	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
44	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100
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46	LOCK LOCK ASSY.	710344	PGI INDUSTRIES	1 (1)	100



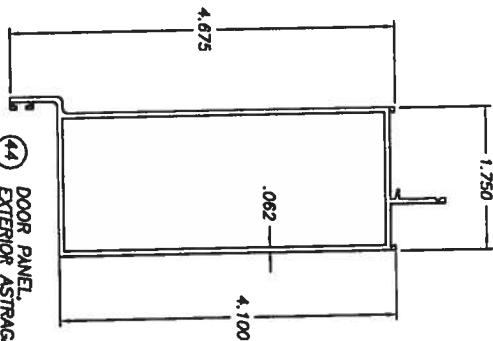
1 DOOR PANEL HEAD & SILL
6063-T5 ALUM.



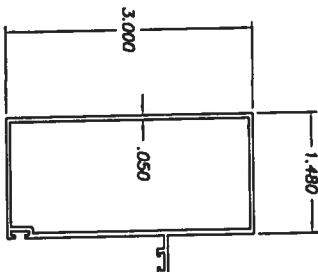
2 DOOR PANEL JAMB
6063-T5 ALUM.



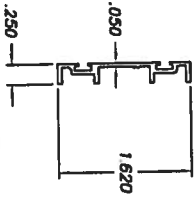
3 DOOR PANEL,
INTERIOR ASTRAGAL
6063-T5 ALUM.



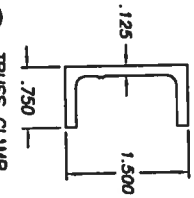
4 DOOR PANEL,
EXTERIOR ASTRAGAL
6063-T5 ALUM.



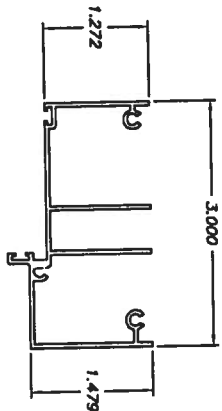
6 FRAME JAMB
6063-T5 ALUM.



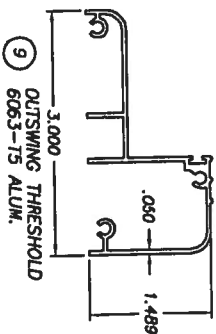
5 WEATHER STRIP CHANNEL
6063-T5 ALUM.



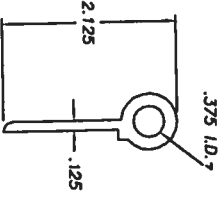
11 TRUSS CLAMP
6063-T5 ALUM.



7 FRAME HEAD
6063-T5 ALUM.



9 OUTSWING THRESHOLD
6063-T5 ALUM.



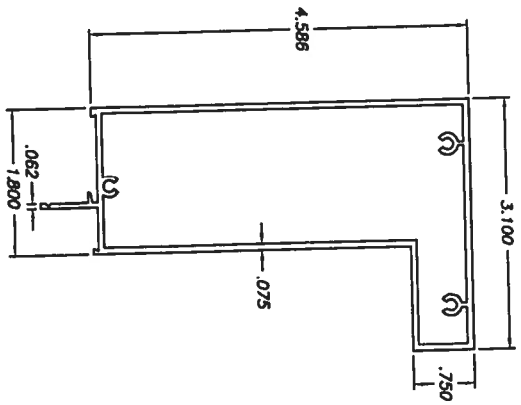
18 HINGE EXTRUSION
6063-T5 ALUM.

Robert L. Clark, P.E.
1/17/03
Robert L. Clark, P.E.
FE #38712
Structural

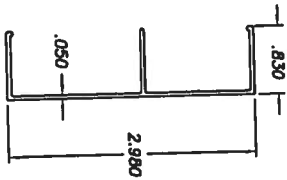
PCT INDUSTRIES
1070 TECHNOLOGY DRIVE
MCKINNA, FL 34475
P.O. BOX 1529
MCKINNA, FL 34474

Title			
ALUMINUM FRENCH DOOR W/ SIDELITES			
Sheet/Project	Scale	Sheet	Drawing No.
FD-101	NTS	6 of 8	372
Revised By:			Revised Date:
F.K.			1/17/03
F.K.			9/9/02
F.K.			9/9/02
Description:			Revised By:
EXTRUSIONS PROFILES, DOORS			C-NEW SHIT

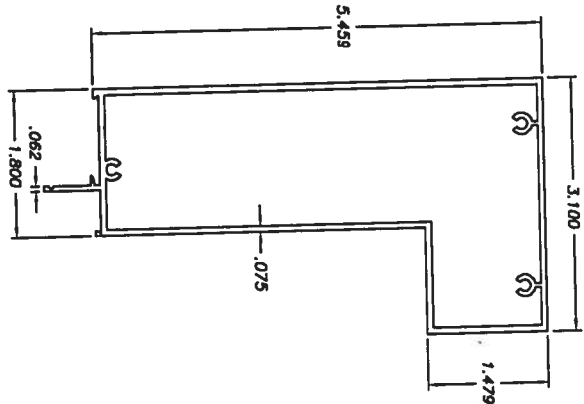
PRODUCT REVIEWED
as complying with the Florida
Building Code
Amendment No. 2-0127-13
Expiration Date: 2/28/2008
By: *Isaac L. Clench*
Structural Engineer
Division



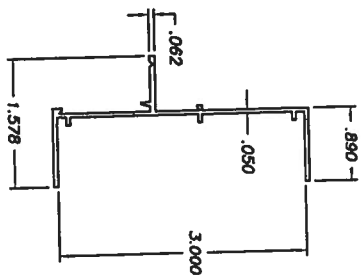
37 SIDELITE BOTTOM RAIL
6063-T5 ALUM.



40 SIDELITE JAMB ADAPTER
6063-T5 ALUM.



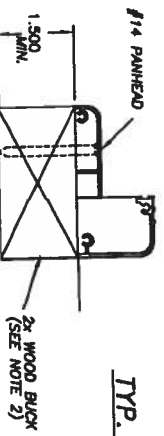
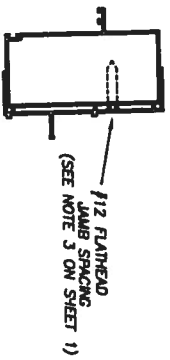
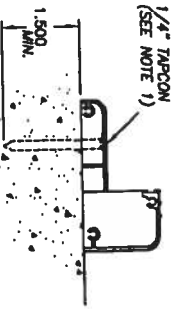
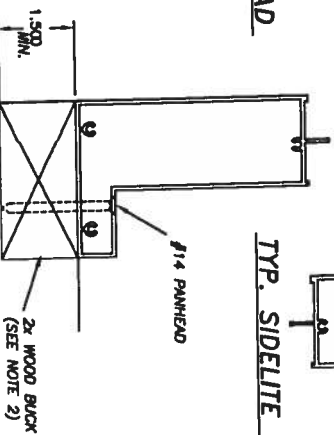
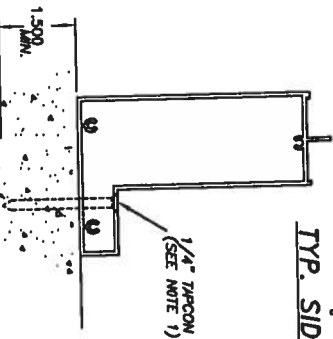
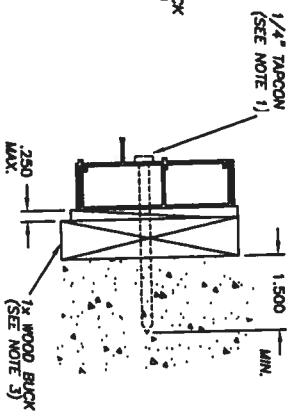
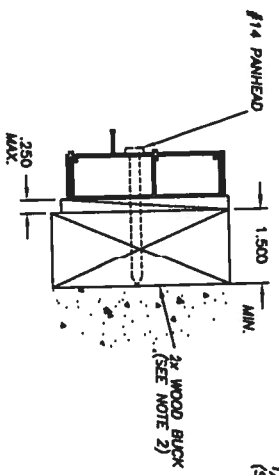
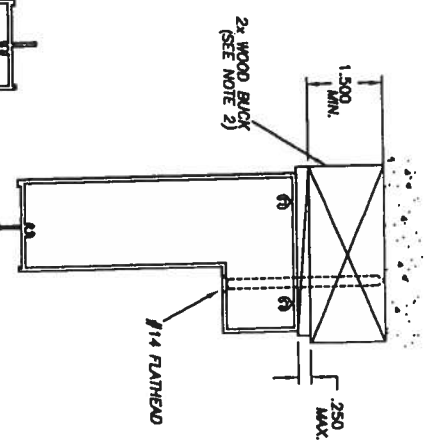
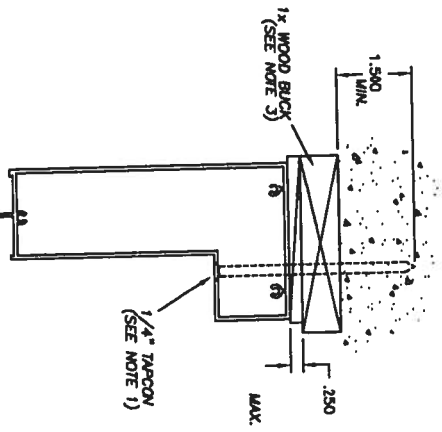
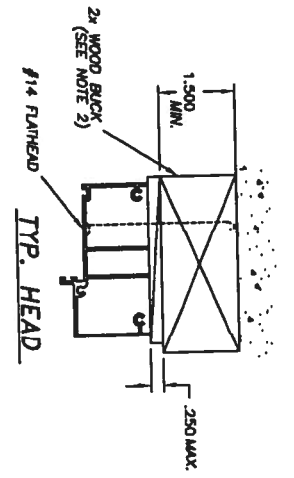
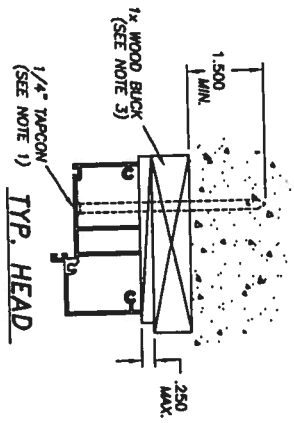
36 SIDELITE HEADER
6063-T5 ALUM.



35 SIDELITE JAMB
6063-T5 ALUM.

 Robert L. Clark, P.E. PE #39712 Structural		PCT INDUSTRIES 1070 TECHNOLOGY DRIVE NEWCOMBS, FL 34275 P.O. BOX 1529 NEWCOMBS, FL 34274	
Revised By: F.K. Date: 1/17/03 Drawn By: F.K. Date: 9/9/02 Check: F.K. Date: 9/9/02	Revision: D-NO CHG THIS SHIT C-NEW SHIT	Title: ALUMINUM FRENCH DOOR W/ SIDELITES	Scale: NTS
Sheet: 7 of 8	Drawing No. 972	Part: D	Extrusions Profiles, Sidelites

PRODUCT RENOWNED
 as working with the French
 Building Code
 Approved by 02-0713
 Extrusion Date 2001/1/20/8
 By 15433 / C. Blanch
 Design Team Product Control
 Division



NOTES:

1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO OR ITW TAPCONS.
2. INSTALLATION OF 2x WOOD BUCK TO THE SUBSTRATE ENGINEERED SEPARATELY AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. INSTALLATION OF 1x WOOD BUCK TO THE SUBSTRATE TO BE ENGINEERED SEPARATELY.

TYP. SIDELITE SILL

TYP. SIDELITE SILL

REFERENCE TEST REPORT: FTL-2067

Robert L. Chen, P.E.
11/17/03
PE #39712
Structural

PCT INDUSTRIES
1070 TECHNOLOGY DRIVE
HONOLULU, HI 96825
P.O. BOX 1528
HONOLULU, HI 96824

Description: ANCHORAGE			
Material:	ALUMINUM FRENCH DOOR W/ SIDELITES	Scale:	NTS
Standard:	FD-101	Sheet:	8 of 8
Drawing No.	972	Rev:	D

Revised By:	Date:	Revised By:	Date:
F.K.	1/17/03	F.K.	9/9/02
F.K.	8/20/01	F.K.	7/12/99
Revised By: D-NO CHG THIS SHEET			
Revised By: C-ADD NOTES			
Revised By: B-PER LETTER 8/17/01			

PRODUCT REVIEWED
on 11/17/03
Approved By: R. Chen, P.E.
Expiration Date: 11/17/06
By: Robert L. Chen, P.E.
Structural



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 FD-750 Outswing Aluminum French Door and Sidelites-LMI

APPROVAL DOCUMENT: Drawing No. 8000-11, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 8 of 8, prepared by the manufacture, dated 12/23/04 with revision "A" on 03/25/05, signed and sealed by Lucas A. Turner, 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

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 NOA# 05-0103.03 and, consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0419.03
Expiration Date: February 24, 2010
Approval Date: June 09, 2005
Page 1

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 .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEXKEEPSAFE MAXIMUM.

B. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 PVB INTERLAYER OF DUPONT BUTACITE OR SAFLEXKEEPSAFE MAXIMUM.

C. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED 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, .075 VANCEVA, 3/16" HS).

2. DESIGN PRESSURES: TABLE 1, SHEET 2.

A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300-98.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300-98.

3. CONFIGURATIONS: X, O, XX, XO, OX, XXX, XXXO, OXXX, OXXX, OR OXXX 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. THE FRENCH DOOR ASSEMBLY BEAM IS USED TO ASSEMBLE X, XX, AND O UNITS TO MAKE THE ABOVE CONFIGURATIONS.

4. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 9 AND 10. 

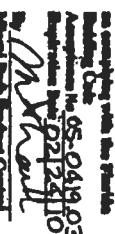
5. SHUTTERS ARE NOT REQUIRED.

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. REFERENCE TEST REPORTS: FTL-4311, FTL-4312, FTL-4315, FTL-4527, FTL-4528, FTL-4529, FTL-4530. 

NOA DRAWING MAP

TOPIC	SHEET
GENERAL NOTES	1
CONFIGURATIONS	1
GLAZING DETAILS	2
DESIGN PRESSURES	3
ELEVATIONS	4
VERT. SECTIONS	5
HORIZ. SECTIONS	6
PARTS LIST	7
EXTRUSIONS	8
ANCHORAGE	9-10

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Adoption No. 05-0419.03
Expiration Date 02/28/10
By 
Michael Paul Products Control
Division

Revised By	Date	Revisions	1070 TECHNOLOGY DRIVE NOKICHMS, FL 34275 P.O. BOX 539 NOKICHMS, FL 34274
F.K.	3/25/05	A	CHANGE NOTES 1, 4 AND 7 AND VANCEVA INTERLAYER GLASS TYPES. MOVE GLAZING DETAILS TO SHEET 2 AND DP TABLES TO SHEET 3
Revised By	Date	Revisions	
Revised By	Date	Revisions	
Drawn By	Date	Checked By	Date
F.K.	12/23/04	L.T.	4/8/05



Visibly Better

GENERAL NOTES AND DRAWING MAP

ALUM. FRENCH DOOR & SIDE LITES, IMPACT

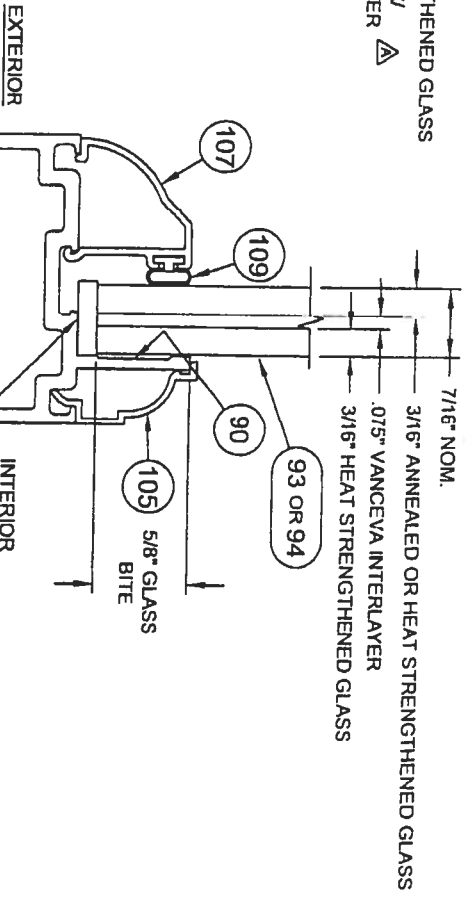
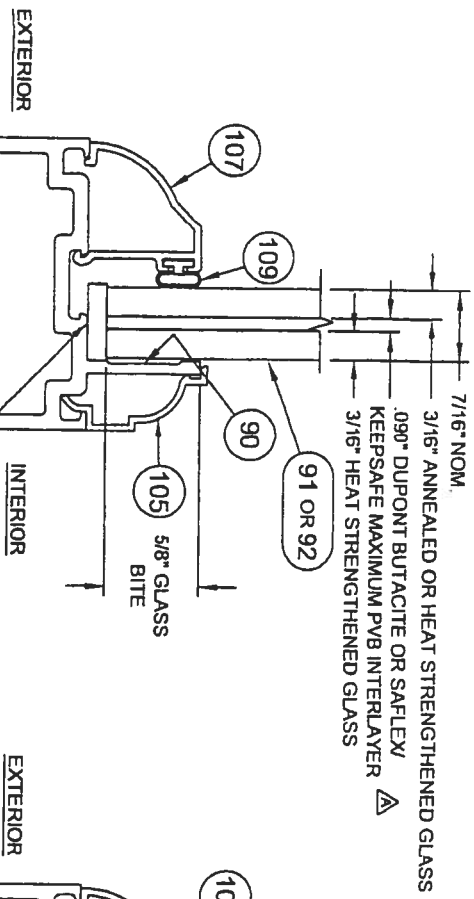
FD750 FULL 1 x 10 Drawing No. 8000-11

A

Lucas A. Turner, P.E.
PE #58201
Mechanical

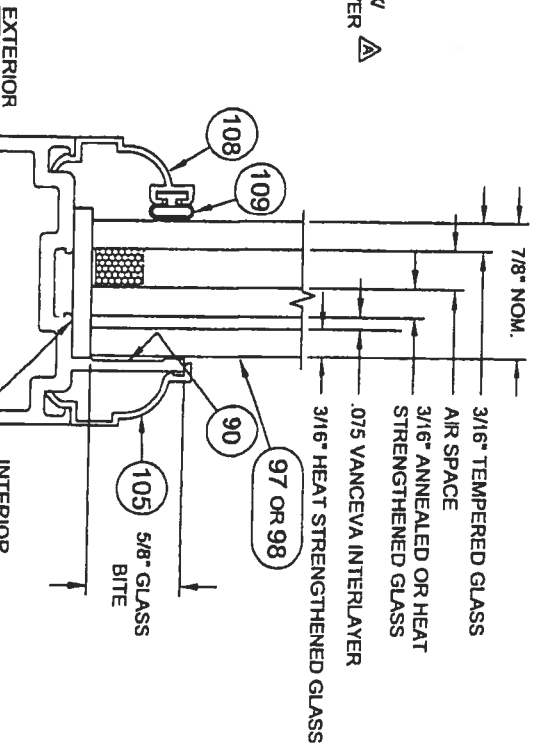
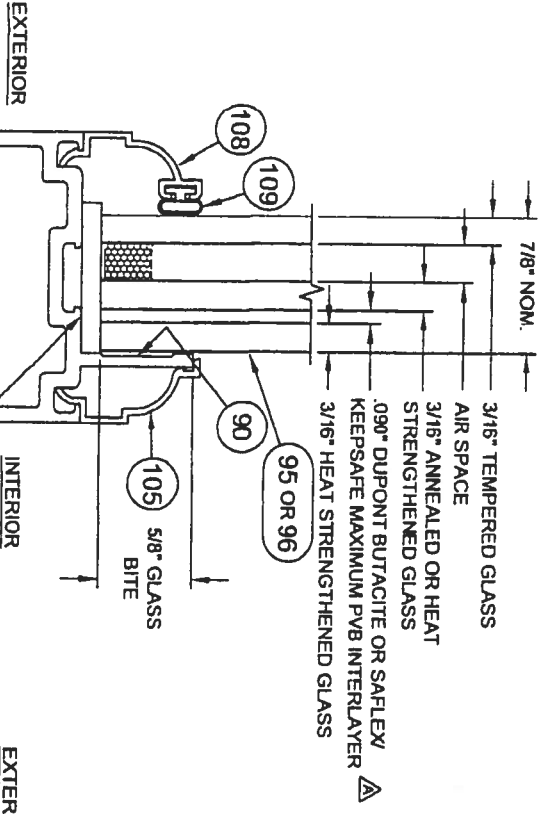
4/15/05

202



7/16" LAMI I.G. GLASS W/ PVB INTERLAYER

7/16" LAMI I.G. GLASS W/ VANCEVA INTERLAYER



7/8" LAMI I.G. GLASS W/ PVB INTERLAYER

7/8" LAMI I.G. GLASS W/ VANCEVA INTERLAYER

Revised By	Date	Revised By	Date
F.K.	3/25/05	A	NEW SHEET ADD VANCEVA INTERLAYER GLAZING DETAILS
Revised By	Date	Revised 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



GLAZING DETAILS	ALUM. FRENCH DOOR & SIDE LITES, IMPACT
FD/50	FULL
2	10
8000-11	A

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 05-0419.03
Adopted Date 02/24/10
By *McKinn*
Initial Public Product Council
Division

L & I
4/15/05

LUCAS A. T. 4136, P.E.
PE #58201
Mechanical

A - 7/16" LAMI I.G. (3/16"A,.090 PVB, 3/16"HS)
B - 7/16" LAMI (3/16"HS,.090 PVB, 3/16"HS)
C - 7/16" LAMI (3/16"A,.075 VANCEVA, 3/16"HS)
D - 7/16" LAMI (3/16"HS,.075 VANCEVA, 3/16"HS)
E - 7/8" LAMI I.G. (3/16" T, 1/4" AIR SPACE, 3/16"A,.090 PVB, 3/16"HS)
F - 7/8" LAMI I.G. (3/16" T, 1/4" AIR SPACE, 3/16"HS,.090 PVB, 3/16"HS)
G - 7/8" LAMI I.G. (3/16" T, 1/4" AIR SPACE, 3/16"A,.075 VANCEVA, 3/16"HS)
H - 7/8" LAMI I.G. (3/16" T, 1/4" AIR SPACE, 3/16"HS,.075 VANCEVA, 3/16"HS)

FTL-4311, 4312, 4315

UPGRADE FTL-4311, 4312, 4315

FTL-4527, 4528, 4529, 4530

UPGRADE FTL-4527, 4528, 4529, 4530

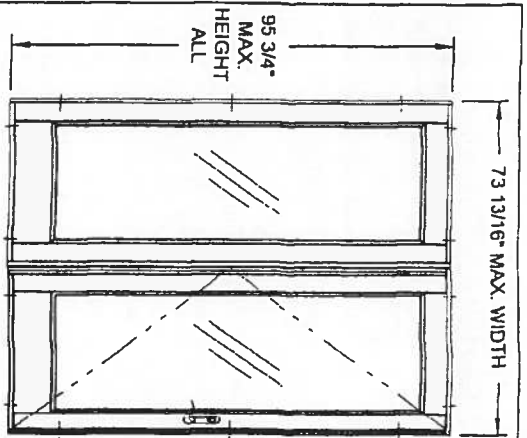
FTL-4311, 4312, 4315

UPGRADE FTL-4311, 4312, 4315

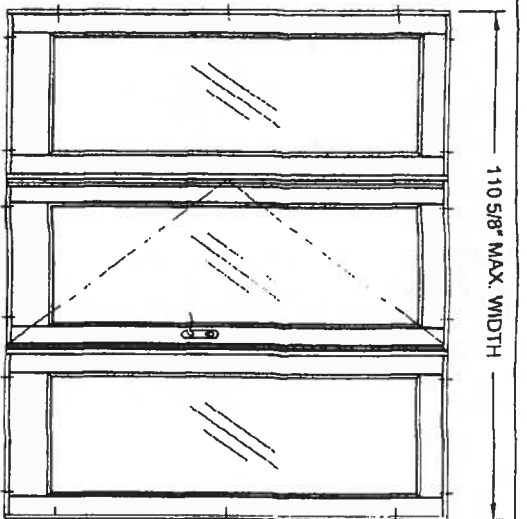
FTL-4527, 4528, 4529, 4530

UPGRADE FTL-4527, 4528, 4529, 4530

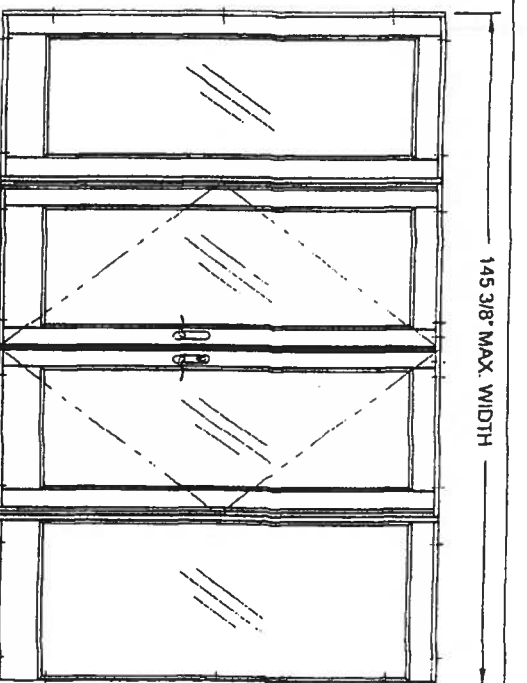
Lucas A. Turner, P.E.
PE #58201
Mechanical



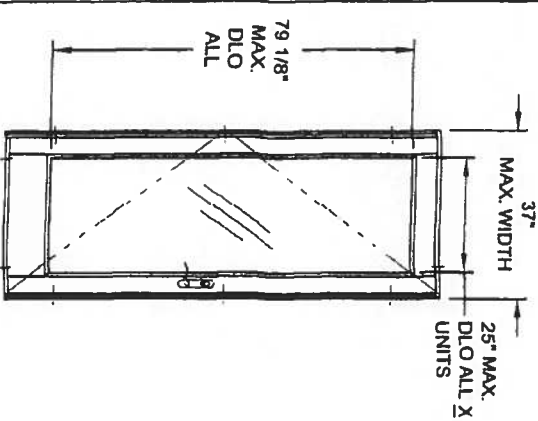
OX OR XO



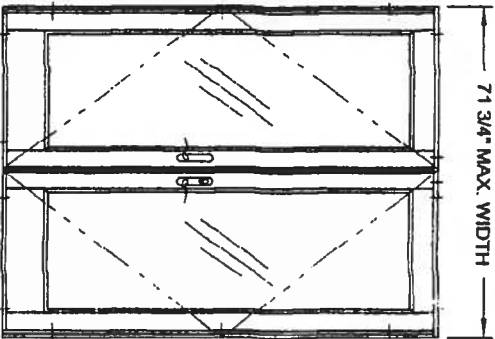
OXO



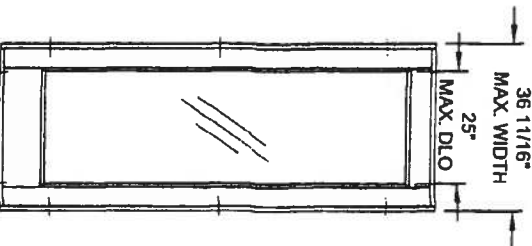
OXOX (SHOWING EACH VERSION SIDELITE)



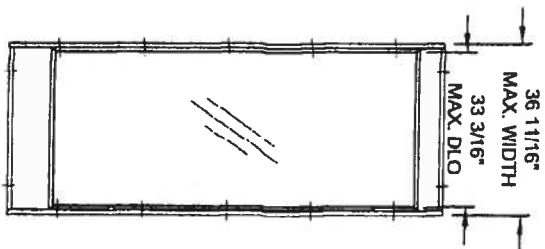
X



XX



O (FULL JAMB)



O (NARROW JAMB)

- NOTES:
1. CONFIGURATIONS WITH SIDE LITES CAN BE EITHER NARROW JAMB OR FULL JAMB VERSION.
 2. FOR ANCHOR SPACING SEE SHEET 9 AND FOR ANCHOR SECTION DETAILS SEE SHEET 10.
 3. FOR VERTICAL SECTIONS SEE SHEET 5 AND FOR HORIZONTAL SECTIONS SEE SHEET 6.

Revised By:	Date:	Revised:	Update Sheet References, Notes 2 and 3
F.K.	3/25/05	A	
Revised By:	Date:	Revised:	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

1870 TECHNOLOGY DRIVE

NOKOMIS, FL 34275

P.O. BOX 1529

NOKOMIS, FL 34274

PGI
Visibly Better

EXAMPLE ELEVATIONS

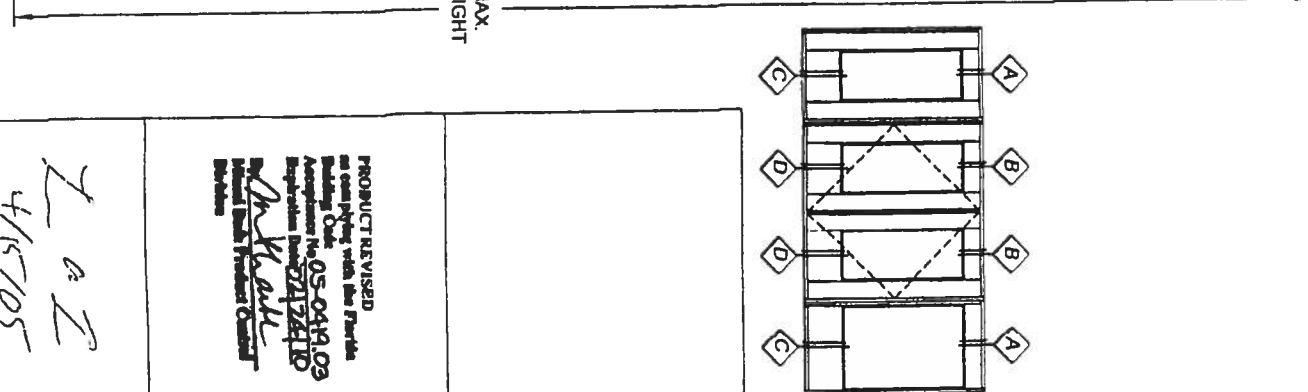
ALUM. FRENCH DOOR & SIDE LITES, IMPACT

Standard	Scale	Sheet	Drawing No.	Rev
FD750	NTS	4	8000-11	A

PRODUCT REVISED
in compliance with the Florida
Building Code
Adopted by the
Department of
Professional Regulation
on 05-09-03
By: *[Signature]*
Michael Paul, President/Owner
DPA-USA

LUCAS A. TURNER, P.E.
PE #38201
Mechanical

L 02
4/15/05



4/15/05

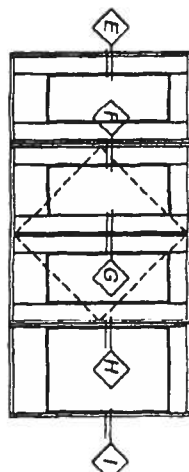
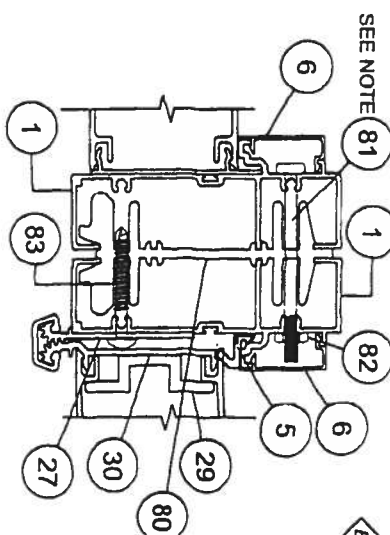
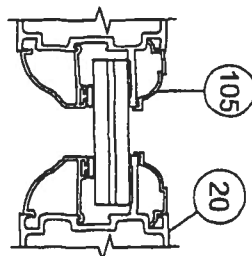
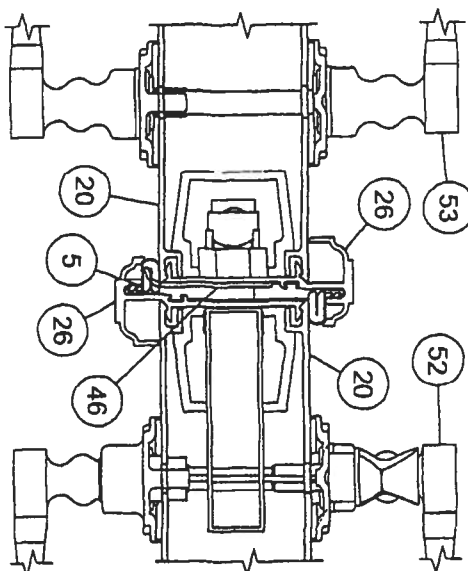
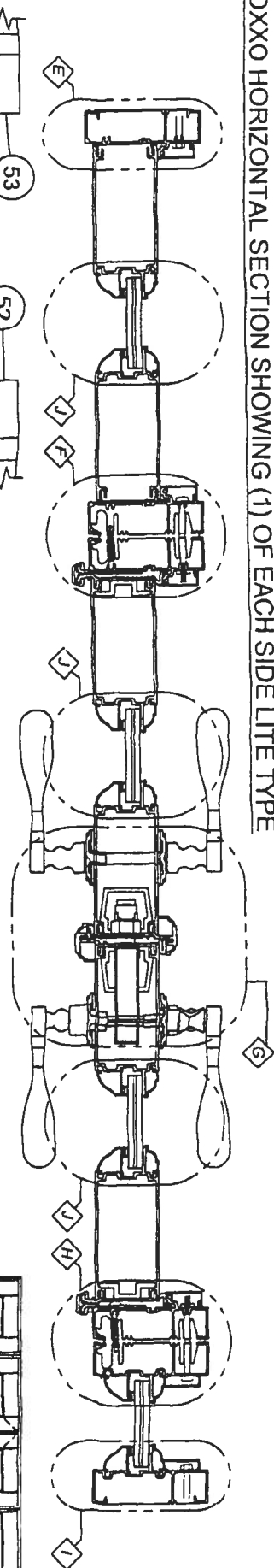
Luzas A. Turner, P.E.
PE #58201
Mechanical

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-0419.03
Expiration Date 07/24/10
Dr. Heath
Professional Seal, Professional Certificate
Expiration

707
4/15/05

LUASA Tuner, P.E.
PE #58201
Mechanical

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

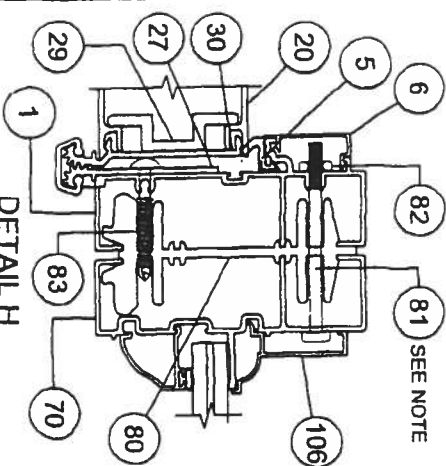


DETAIL G STILES AT ASTRAGAL

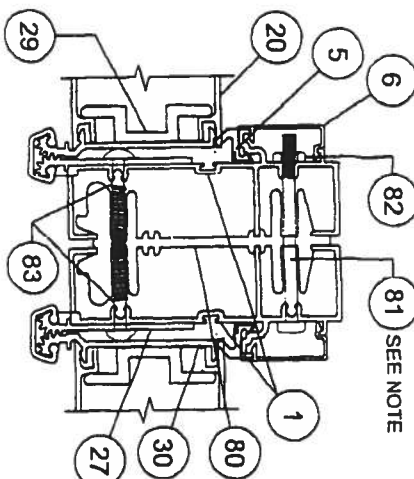
DETAIL J SLAB AT GLASS BED

DETAIL F FULL JAMB SIDE LITE (AT HINGE JAMB)

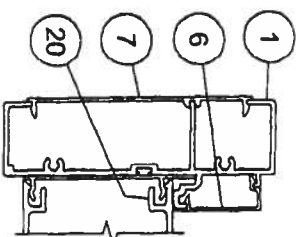
INTERIOR
EXTERIOR



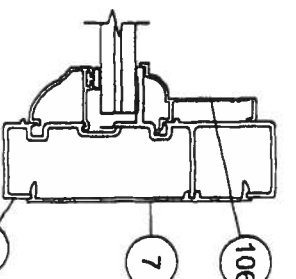
DETAIL H NARROW JAMB SIDE LITE (AT HINGE JAMB)



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



DETAIL E JAMB, FULL JAMB SIDE LITE



DETAIL I JAMB, NARROW JAMB SIDE LITE

Revised By:	Date:	Revisions:
F.K.	3/25/05	A
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Revisions:
F.K.	12/23/04	L.T.

NO CHANGE THIS SHEET
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34215
P.O. BOX 1529
NOKOMIS, FL 34214

PGI
Visibly Better

Horizontal Section Details	Scale	Sheet	Drawing No.	Rev
ALUM. FRENCH DOOR & SIDE LITES, IMPACT	1/2	6 of 10	8000-11	A

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Approved by: 05-041903
Expiration Date: 02/23/10
By: Michael Smith Product Control
Division

LUCAS A. TURNER, P.E.
PE #38201
Mechanical

2 of 2
4/15/05

FD750 DOOR(S)

ITEM	DWG#	DESCRIPTION	PGT#
FRAME KIT PARTS			
1	8006	FRAME - HEAD & HINGE JAMB	68006
2	8003A	OUT-SWING SILL	68003
3	8004A	OUT-SWING SILL COVER	68004
4	8008	DRIP CAP	68008
5	-----	HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UB333778300
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	48032
DOOR PANEL			
5	-----	HEAD, SILL & JAMB WEATHERSTRIP (SCHLEGAL)	UB333778300
20	8012	STILE	68012
21	8014	TOP RAIL	68014
22	8013	BOTTOM RAIL	68013
23	8017	TOP SWEEP	68017
24	8016	BOTTOM SWEEP	68016
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	8005	GEAR HINGE, BEARING	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 1/2" TRUSS HD	-----
35	-----	THREADED ROD 5/16-18 X 36"	6TR0DA
36	-----	FLANGED HEX NUT 5/16-18	7990NUTA
37	8009	TRUSS CLAMP	60378M
38	8003	SS GEAR LATCH MECHANISM (ASHLAND)	-----
39	8000	LOCK BLOCK	48030
40	-----	LATCH ASSY SCREWS #8 X 2" SS PHIL. TR HD	78X2TPAX
41	8007	SS SHOOT BOLT ROD (SULLIVAN)	-----
42	8005	STANDARD FLUSH BOLTS W/ SS ROD (SULLIVAN)	-----
43	8001	SHOOT BOLT GUIDE	48031
44	-----	SHOOT BOLT GUIDE & STRIKE SCREW 8-32 X 3/8" SS PHIL. TR HD	78X3BPTX
45	8018R	RIGHT - STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED LEFT)	WS110-4351
46	8018L	LEFT - STRIKE PLATE AT ASTRAGAL (ACTIVE HINGED RIGHT)	WS110-4451
47	-----	STRIKE PLATE SCREWS 8-32 X 3/8" SS PHIL. TR HD	78X3BPTX
48	-----	STRIKE PLATE MIDDLE SCREW 6-24 X 1/2" FH	7612PPTX
49	8036	STRIKE PLATE AT HEAD & SILL	78582A
50	-----	HEAD STRIKE SCREWS SS 8 X 1/2 PHIL FH	-----
51	8041	STRIKE PLATE SCREWS @SILL, SS 8 X 1/2 PHIL UNDERCUT FH	78X12PFFHX
52	8042	ACTIVE TRIM SET (ASHLAND)	-----
53	8002	PASSIVE TRIM SET (ASHLAND)	-----
54	8044	STAINLESS STEEL PASSIVE LOCK GEAR (ASHLAND)	-----

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
20	8012	STILE	68012
21	8014	TOP RAIL	68014
22	8013	BOTTOM RAIL	68013
35	-----	THREADED ROD 5/16-18 X 36"	6TR0DA
36	-----	FLANGED HEX NUT 5/16-18	7990NUTA
37	8039	TRUSS CLAMP	60378M
60	-----	#8 X 3/4" PH SQ DRIVE TEK SCREW	78X3APSTW
61	8028	SIDE LITE HEAD TRIM	68028
62	8029	SIDE LITE JAMB TRIM	68029

FD750 NARROW JAMB SIDE LITE

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"	6TR0DA
36	-----	FLANGED HEX NUT 5/16-18	7990NUTA
37	8039	TRUSS CLAMP	60378M
60	-----	#8 X 3/4" PH SQ DRIVE TEK SCREW	78X3APSTW
61	8028	SIDE LITE HEAD TRIM	68028
70	8010	FRAME, JAMB	68010

ASSEMBLY KIT

80	8038	FRENCH DOOR ASSEMBLY BEAM	64033B
81	-----	#10-24 X 2 1/2" PH SCREW	-----
82	-----	#10-24 HEX NUT	-----
83	-----	#12 X 1 1/2" TR HD TEK SCREW	-----

GLASS, BEADS & SILICONE

90	-----	DOV CORNING 899, 983 OR 995 GLAZING SEALANT	-----
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	-----	7/16" LAMINATED GLASS (3/16" ANN., .075 VANCEVA, 3/16" HS)	-----
94	-----	7/16" LAMINATED GLASS (3/16" HS, .075 VANCEVA, 3/16" HS)	-----
95	-----	7/8" LAM1 IG. (3/16" T, 1/4" SPACE, 3/16" ANN., .090 PVB, 3/16" HS)	-----
96	-----	7/8" LAM1 IG. (3/16" T, 1/4" SPACE, 3/16" ANN., .075 VANCEVA, 3/16" HS)	-----
97	-----	7/8" LAM1 IG. (3/16" T, 1/4" SPACE, 3/16" ANN., .075 VANCEVA, 3/16" HS)	-----
98	-----	7/8" LAM1 IG. (3/16" T, 1/4" SPACE, 3/16" ANN., .075 VANCEVA, 3/16" HS)	-----
105	8022	BACK BEAD	68022
106	8026A	SL BACKREAD	68026A
107	8023A	7/16" BEAD	68023A
108	8024A	7/8" IG BEAD	68024A
109	1224	VINYL BULB WSTR (THICK)	617247

PARTS LIST

ALUM. FRENCH DOOR & SIDE LITES, IMPACT

PGT
Visibly Better

Revised By:	Date:	Revision:	ADD ITEMS 93, 94, 97 AND 98
Revised By:	Date:	Revision:	
Revised By:	Date:	Revision:	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/23/04	L.T.	4/8/05

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34215
P.O. BOX 1528
NOKOMIS, FL 34214

PRODUCT REVISED

In compliance with the Florida

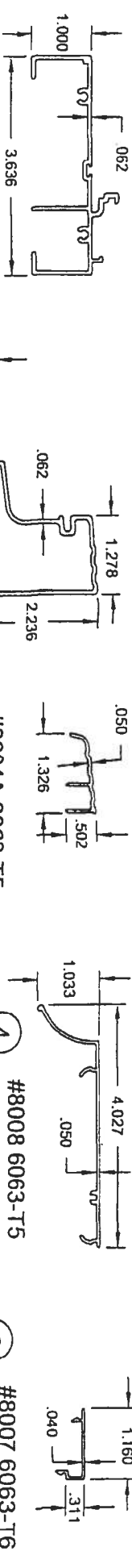
Building Code, 05-0419.03

Adopted by the 05/22/10

Florida Building Code

by the Florida Building Code

L. O.T.
4/15/05



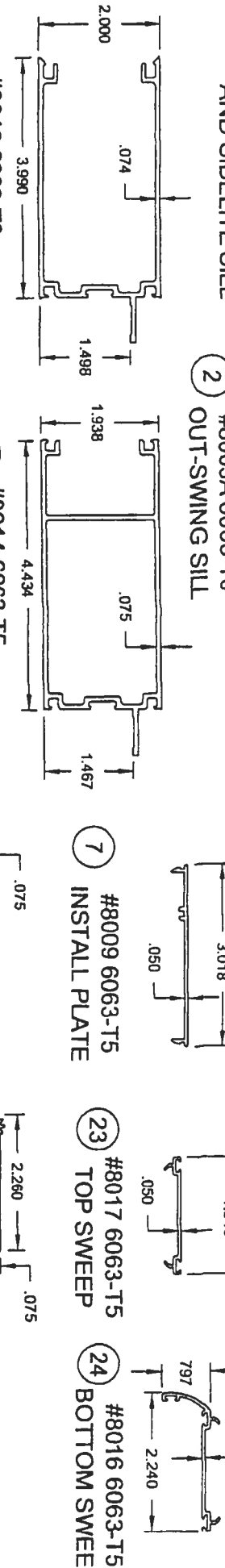
1 #8006 6063-T6
FRAME, HEAD, JAMB
AND SIDELITE SILL

2 #8003A 6063-T6
OUT-SWING SILL

3 #8004A 6063-T5
OS SILL COVER

4 #8008 6063-T5
DRIP CAP

6 #8007 6063-T6
SCREW COVER



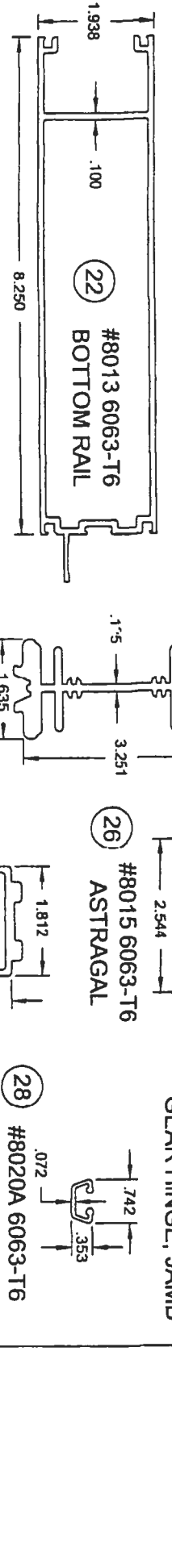
20 #8012 6063-T6
STILE

21 #8014 6063-T5
TOP RAIL

7 #8009 6063-T5
INSTALL PLATE

23 #8017 6063-T5
TOP SWEEP

24 #8016 6063-T5
BOTTOM SWEEP



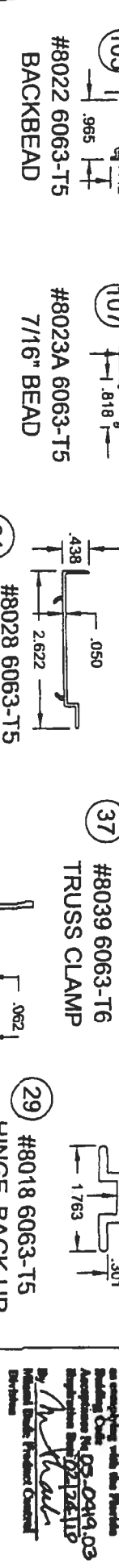
22 #8013 6063-T6
BOTTOM RAIL

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

26 #8015 6063-T6
ASTRAGAL

27 #8021B 6063-T6
GEAR HINGE, JAMB

28 #8020A 6063-T6
GEAR HINGE, COVER



105 #8022 6063-T5
BACKBEAD

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

61 #8028 6063-T5
SL HEAD TRIM

37 #8039 6063-T6
TRUSS CLAMP

29 #8018 6063-T5
HINGE, BACK-UP



106 #8026A 6063-T5
SL BACKBEAD

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

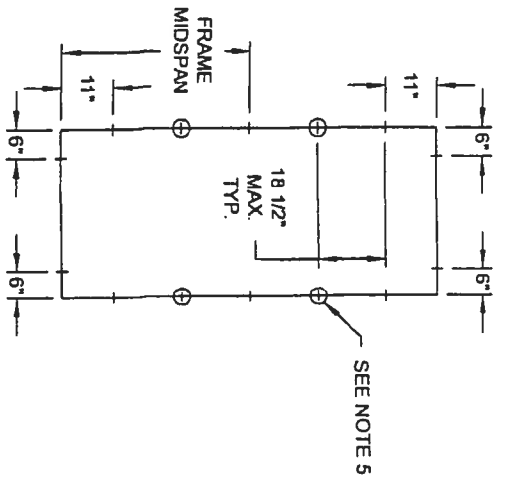
62 #8029 6063-T5
SL JAMB TRIM

70 #8010 6063-T6
NARROW SL JAMB

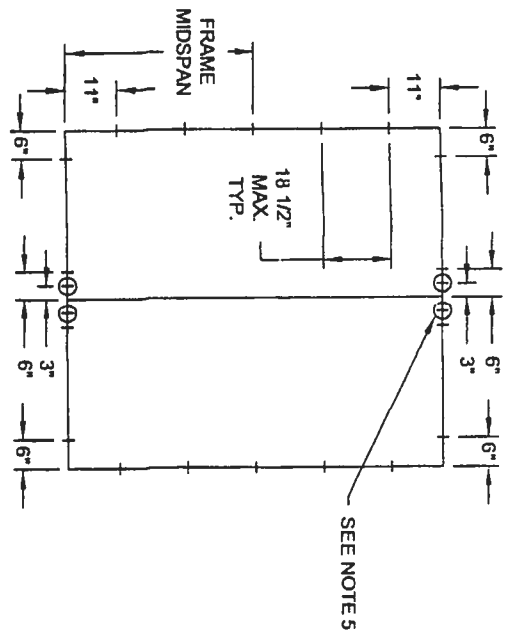
30 #8019A 6063-T6
GEAR HINGE, DOOR

Revised By	Date	Revisions	NO CHANGE THIS SHEET
F.K.	3/25/05		
Revised By	Date	Revisions	
Drawn By	Date	Checked By	
F.K.	12/23/04	L.T.	4/8/05

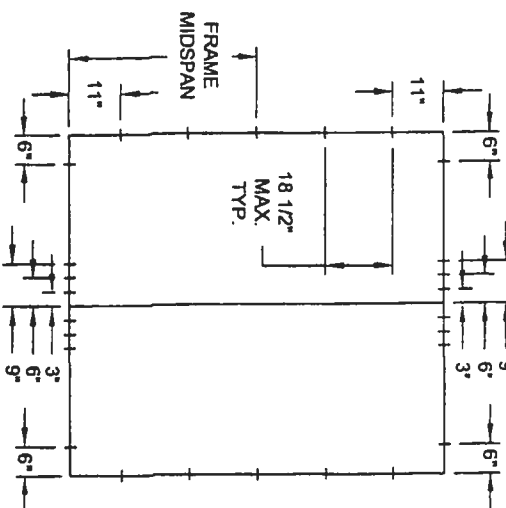
1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1599 NOKOMIS, FL 34274	Visibly Better	Extrusion: ALUM. FRENCH DOOR & SIDE LITES, IMPACT	Size: 11/2	Stock: 8	Ordering to: 8000-11	Part: A
PRODUCT REVIEWED on compliance with the Florida Building Code Approved by: 05-049,03 Inspector Date: 02/24/10 By: <i>Michael B. Burt</i> Michael B. Burt, Product Counsel Division Lucas A. Turner, P.E. PE #58201 Mechanical 4/15/05						



DETAIL A
1/4" TAPCONS OR #12 SCREWS
(SINGLE PANEL)



DETAIL B
1/4" TAPCONS
(2 OR MORE PANELS)



DETAIL C
#12 SCREWS
(2 OR MORE PANELS)

MIAMI-DADE COUNTY ANCHORAGE SPACING REQUIREMENTS:

1. DETAIL A ABOVE REPRESENTS ANCHORING OF SINGLE X DOORS, OR INDIVIDUAL SIDE LITE O PANELS WITH FULL OR NARROW WIDTH JAMBS. DETAILS B AND C 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.
2. DETAIL A - SINGLE PANEL CONFIGURATIONS ANCHORED WITH 1/4" TAPCONS OR #12 SCREWS
HEAD.....6" MAX. FROM CORNERS.
SILL.....6" MAX. FROM CORNERS.
JAMBS...11" MAX. FROM CORNERS, ONE ANCHOR AT FRAME MIDSPAN, 18 1/2" MAX. SPACING THEREAFTER.
3. DETAIL B - TWO OR MORE PANEL CONFIGURATIONS ANCHORED WITH 1/4" TAPCONS
HEAD.....6" MAX. FROM OUTSIDE CORNERS, AND AT 3" AND 6" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS.
SILL.....6" MAX. FROM OUTSIDE CORNERS, AND AT 3" AND 6" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS.
JAMBS...11" MAX. FROM CORNERS, ONE ANCHOR AT FRAME MIDSPAN, 18 1/2" MAX. SPACING THEREAFTER.
4. DETAIL C - TWO OR MORE PANEL CONFIGURATIONS ANCHORED WITH #12 SCREWS
HEAD.....6" MAX. FROM OUTSIDE CORNERS, AND AT 3", 6" AND 9" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS.
SILL.....6" MAX. FROM OUTSIDE CORNERS, AND AT 3", 6" AND 9" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS.
JAMBS...11" MAX. FROM CORNERS, ONE ANCHOR AT FRAME MIDSPAN, 18 1/2" MAX. SPACING THEREAFTER.
5. THIS NOTE APPLIES ONLY TO INSTALLATIONS OUTSIDE MIAMI-DADE COUNTY. FOR THESE INSTALLATIONS SEE DETAIL A OR B ABOVE. ENCIRCLED ANCHORS IN DETAIL A ARE REQUIRED FOR NARROW JAMB SIDELITES, BUT OTHERWISE MAY BE OMITTED. ENCIRCLED ANCHORS IN DETAIL B ARE REQUIRED IN THE HEAD AT THE ASTRAGAL LOCATION OF XX PANELS, BUT OTHERWISE MAY BE OMITTED. ALL PANELS MAY BE INSTALLED WITH EITHER #12 SCREWS OR 1/4" TAPCONS.

Revised By	Date	Revisions	Drawn By	Date	Description
F.K.	3/25/05	A			NO CHANGE THIS SHEET
Revised By	Date	Revisions			
Revised By	Date	Revisions			
Drawn By	Date	Checked By			
F.K.	12/23/04	L.T.		4/8/05	

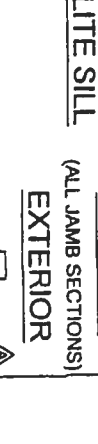
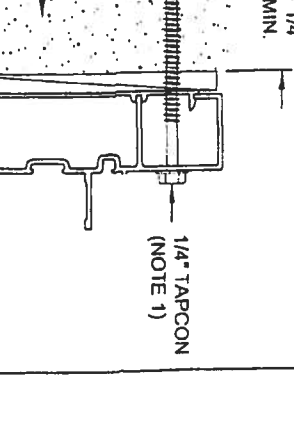
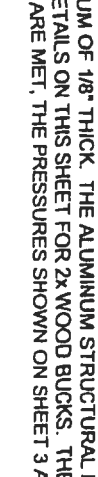
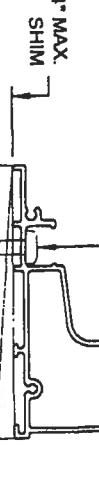
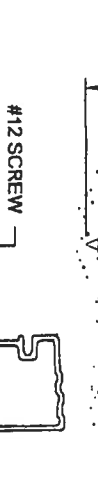
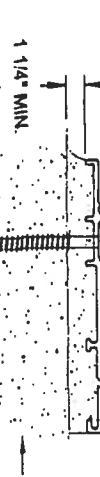
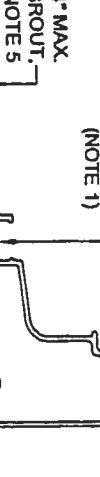
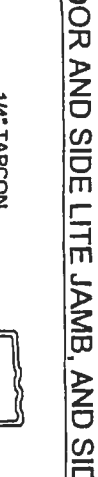
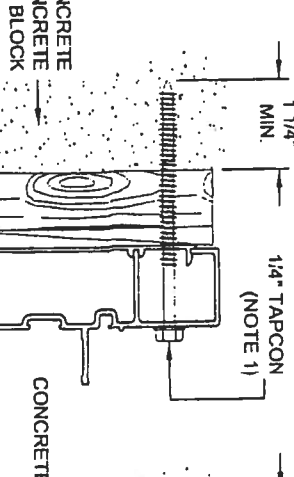
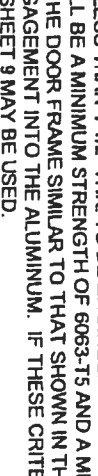
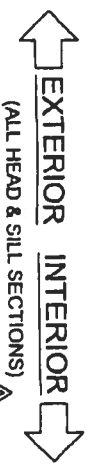
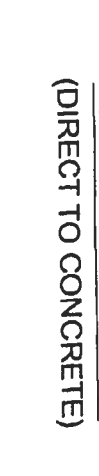
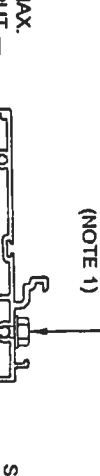
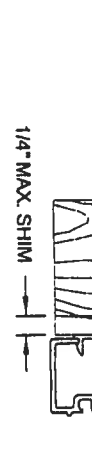
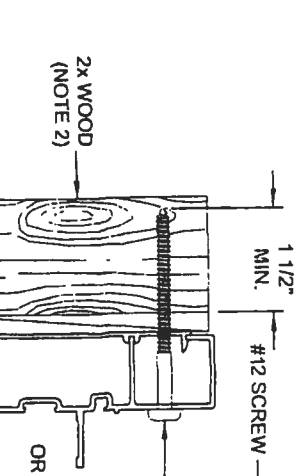
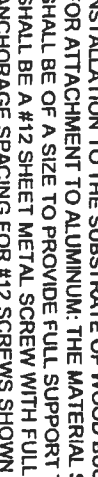
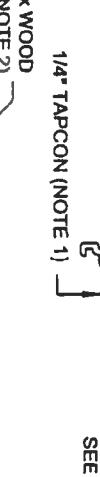
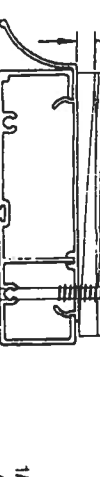
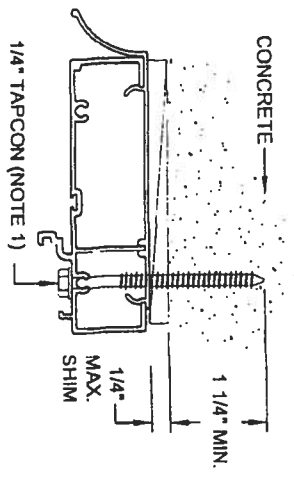
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PCT
Visibly Better

Anchorages	ALUM. FRENCH DOOR & SIDE LITES, IMPACT
Standard	FD750
Size	NTS
Sheet	9 of 10
Drawing No.	8000-11
Rev.	A

PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment 05-0919.03
Supplement 02120110
By *Mr. [Signature]*
Miami Dade Product Council
Division

L-02
4/5/05



NOTES:

1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED TAPCONS.
2. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS 1 1/2" THK. OR MORE TO BE ENGINEERED BY OTHERS AND TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION.
3. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS LESS THAN 1 1/2" THK. 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 DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2X WOOD BUCKS. THE ANCHOR ANCHORAGE SPACING FOR #12 SCREWS SHOWN ON SHEET 9 MAY BE USED.
5. IF SILL IS TIGHT TO CONCRETE SLAB, GROUT IS NOT REQUIRED. IF USED, GROUT MUST TRANSFER SHEAR LOAD TO SLAB.

TYPICAL DOOR AND SIDE LITE HEAD

EXTERIOR INTERIOR
(ALL HEAD & SILL SECTIONS)

TYPICAL SIDE LITE SILL (DIRECT TO CONCRETE)

TYPICAL DOOR SILL

TYPICAL DOOR AND SIDE LITE JAMB, AND SIDE LITE SILL

INTERIOR EXTERIOR
(ALL JAMB SECTIONS)

Revised By	Date	Revisions
F.K.	3/25/05	UPDATE SHEET REFERENCE NOTE 4 AND ADD EXTERIOR/INTERIOR DIAGRAMS
Revised By	Date	Revisions
Revised By	Date	Revisions
Drawn By	Date	Checked By
F.K.	12/23/04	L.T.

1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	PCT Visibly Better	ANCHORAGE DETAILS ALUM. FRENCH DOOR & SIDE LITES, IMPACT	FD/50	1/4	10 x 10	8000-11	A
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PRODUCT REVISED
In compliance with the Florida
Building Code
Approved by the
Department of
Building
1/15/05
L.A. Turner
Mechanical

L.A. Turner
1/15/05

Lukas A. Turner, PE
PE #59831
Mechanical



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

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
P.O. Box 1529
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: 1"x Std. Wall-Aluminum Tube Clipped Mullions

APPROVAL DOCUMENT: Drawing No. 6620-1, titled "1" STD. Wall Mullion Arrangement Detail", sheets 1 through 5 of 5, prepared, signed and sealed by Robert L. Clark, P.E., dated 5/26/04, with revision "A" on 5/3/04, 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

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.

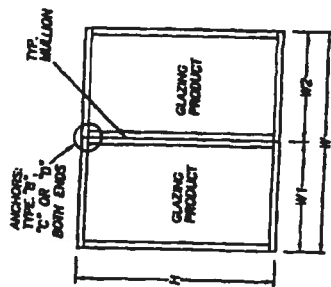
This NOA revises NOA # 02-0701.05 and, consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Theodore Berman, P.E.

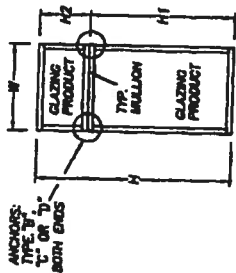
6/17/2004



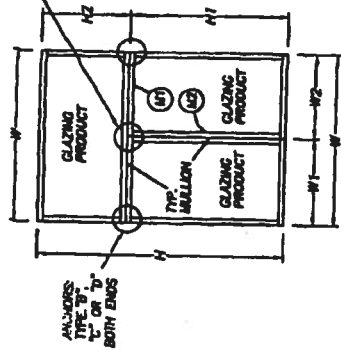
NOA No 04-0528.04
Expiration Date: June 28, 2006
Approval Date: July 08, 2004
Page 1



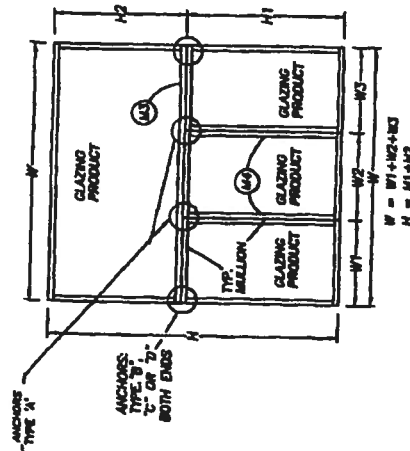
(1) WINDOWS MULLED TOGETHER
FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
MAX OPENING = W OR W1+W2
MULL LENGTH = H



(2) WINDOW MULLED
W/ZONE ABOVE
FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
MAX OPENING = H OR H1+H2
MULL LENGTH = W



(2) WINDOWS MULLED
W/ZONE ABOVE
FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
M1) MAX OPENING = H OR H1+H2
M2) MAX OPENING = W OR W1+W2
MULL LENGTH = H1



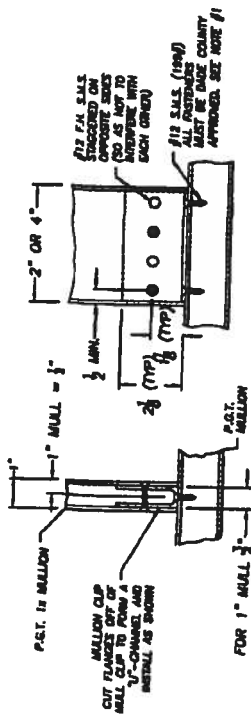
MULTIPLE WINDOWS MULLED
W/ZONE ABOVE
FOR DETERMINING MAX ALLOWABLE
DESIGN PRESSURE SEE TABLES
ON PAGE 5 OF 5
M3) MAX OPENING = H OR H1+H2
M4) MAX OPENING = W OR W1+W2+W3
MULL LENGTH = H1

PRODUCT SERVICES
In compliance with the Florida
Building Code,
Approved by the Florida Building Code
Authority on 08-09-08 at
Tallahassee, FL 32310
Product Code: 6620-1

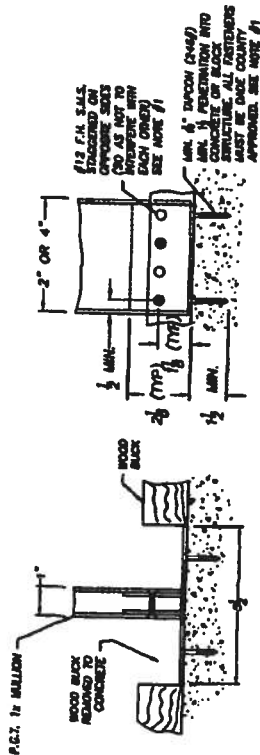
TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS			
PGT INDUSTRIES	Form No. 152/04	Rev. 4/28/00	Notes: A - ADD NOTATION
1970 TECHNOLOGY DRIVE NORFOLK, FL 34375	P.O. BOX 1529 NORFOLK, FL 34374	Surface/Model MULLS	Scale NTS
1" STD. WALL MULLION		Drawing No. 6620-1	
ARRANGEMENT DETAIL		Sheet 1 of 5	
Title: 1" STD. WALL MULLION		Rev. A	

Robert L. Clark, P.E.
PE 839712
Structural

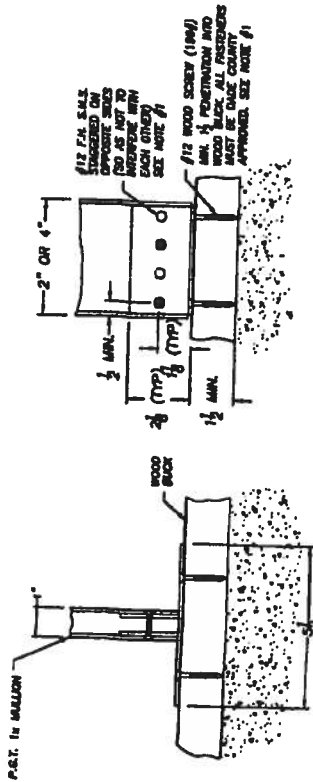
- NOTES:
1. FOR ANCHORAGE TYPE, QUANTITY AND LOCATION REFER TO SHEETS 2, 3 AND 5
 2. WINDOWS MAY BE MULLED TOGETHER, TO A MAX. OF 7 UNITS
 3. MULLIONS ARE APPROVED FOR IMPACT & NON-IMPACT
 4. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975



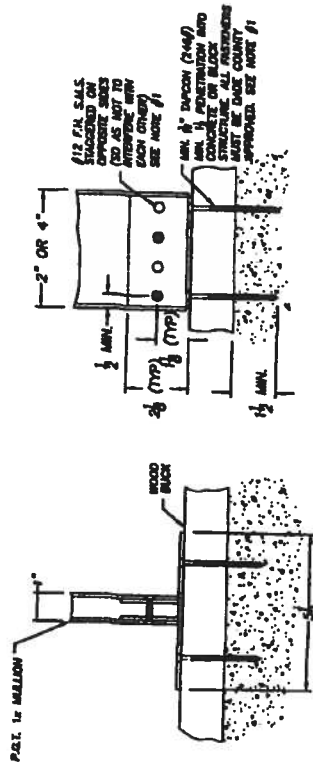
TYPICAL MULLION TO MULLION INSTALLATION TYPE "A"



TYPICAL MULLION TO STRUCTURE WITH WOOD BLOCK REMOVED FROM CONC. TYPE "C"



TYPICAL MULLION TO STRUCTURE WITH WOOD BLOCK TYPE "B"



TYPICAL MULLION TO STRUCTURE WITH WOOD BLOCK AND CONC. TYPE "D"

- NOTE:
1. FOR MULL SIZE AND QUANTITY OF ANCHORS REQUIRED SEE SHEET 5. FOR ANCHOR LOCATIONS SEE SHEET 3. QUANTITY OF ANCHORS FOR MULL-TO-CLIP IS THE SAME AS THE QUANTITY OF ANCHORS FROM CLIP-TO-OPENING.
 2. REFERENCE TEST REPORT FTL-2802, 2903 AND 2975

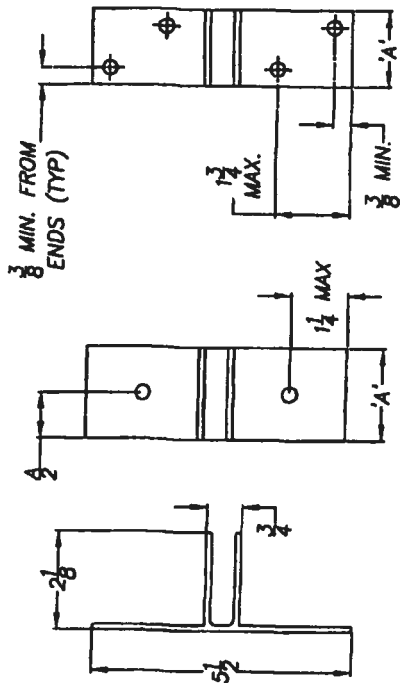
IMPORTANT: QUANTITY OF ANCHORS SHOWN ARE FOR A PICTORIAL REPRESENTATION ONLY. FOR CORRECT QUANTITY OF ANCHORS PLEASE REFER TO CHARTS AND FIND THE CORRECT MULL SIZE AND PRESSURE REQ'D FOR YOUR SPECIFIC APPLICATION.

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS			
Product Name	Order No.	Order Date	Order Qty.
PGT INDUSTRIES	18/2/04	4/28/00	ADD NOTATION
Description: CLIP & INSTALLATION DETAIL			
1" STD. WALL MULLION			
P.O. BOX 1899			
NORFOLK, VA 23503			
Drawing No. 6620-2			
Sheet 2 of 5			
Rev. A			

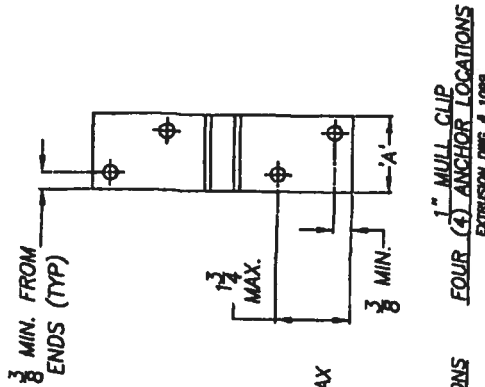
PRODUCT REVIEWED
 Checked by: [Signature]
 Approved by: [Signature]
 Date: 4/28/00
 Robert L. Clark, P.E.
 PE 45912
 Structural

IMPORTANT:
QUANTITY OF
ANCHORS SHOWN
ARE FOR A PICTORIAL
REPRESENTATION
ONLY. FOR CORRECT
QUANTITY OF
ANCHORS PLEASE
REFER TO CHARTS
AND FIND THE
CORRECT MULL SIZE
AND PRESSURE
REQ'D FOR YOUR
SPECIFIC
APPLICATION.

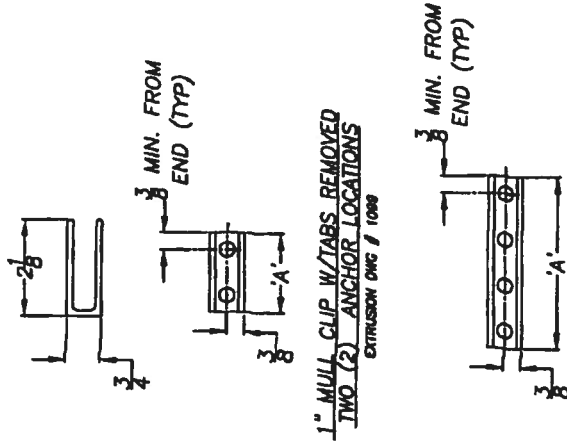
CLIP LENGTH CHART FOR 1x MULL	
MULL SIZE	'A'
1 x 2 x 1/8	1 1/8
1 x 4 x 1/8	3 1/8



1" MULL CLIP
TWO (2) ANCHOR LOCATIONS
EXTRUSION DWG # 1099



1" MULL CLIP
FOUR (4) ANCHOR LOCATIONS
EXTRUSION DWG # 1099



1" MULL CLIP W/TABS REMOVED
TWO (2) ANCHOR LOCATIONS
EXTRUSION DWG # 1099

1" MULL CLIP W/TABS REMOVED
FOUR (4) ANCHOR LOCATIONS
EXTRUSION DWG # 1099

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS



Rev'd By: J.C.	Drawn By: P.J.P.	Date: 4/28/00
Check By: J.C.	Rev'd By: J.C.	Rev'd By: J.C.
Rev'd By: J.C.	Rev'd By: J.C.	Rev'd By: J.C.

1" MULLION CLIP ANCHOR LOCATION

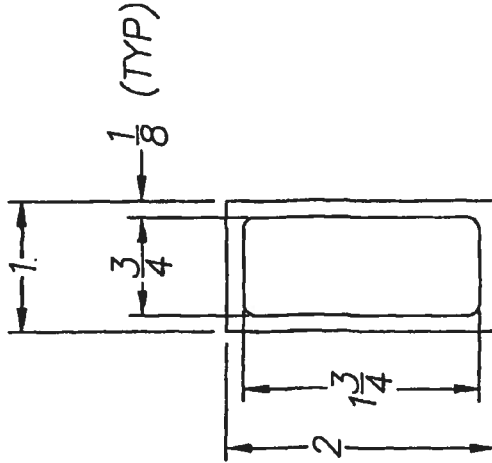
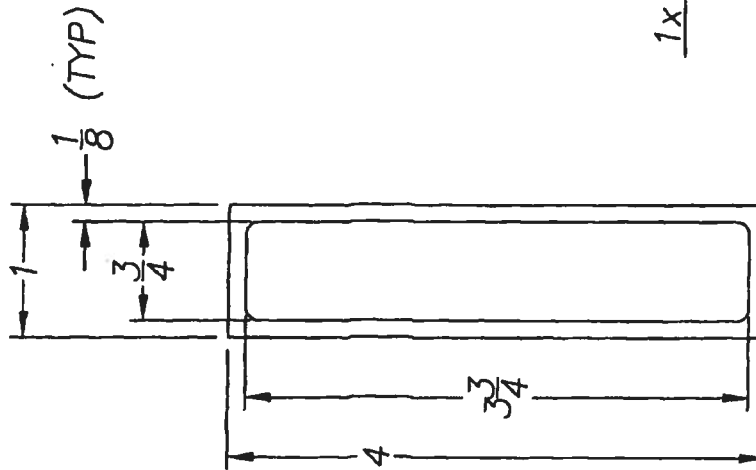
1" STD. WALL MULLION

1070 TECHNOLOGY DRIVE NORONAS, FL 34275	Sheet: 3 of 5	Drawing No: 6620	Rev: A
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NOTE:
1. REFERENCE TEST REPORT FTL-2902.2903 AND 2975
PE 059712
Structural

PRODUCT REVIEWED
as complying with the Florida
Building Code.
Approved by the State of Florida
on 04-0528.04
PE 059712
Structural

Robert L. Clark, P.E.
PE 059712
Structural



1x STD. WALL MULLS

MAT'L: 6063-T6

PRODUCT REVIEWED
in accordance with the Florida
Building Code
Amendment No. 04-0228.04
Expiration Date: 01/01/05
Professional Engineer
Division

Robert L. Clark, PE
PE 89712
Structural

NOTE:

1. REFERENCE TEST REPORT FTL-2902, 2903 AND 2975

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

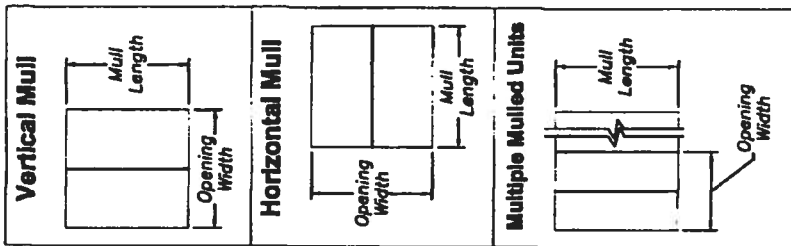
PGT INDUSTRIES 1070 TECHNOLOGY DRIVE NORFOLK, VA 23503	Drawing No. 6620-4	Scale: NTS	Sheet: 4 of 5	Rev: A
	Project: 1" STD. WALL MULLION	Date: 4/28/00	Revision: A - ADD NOTATION	Drawing No. 6620-4
P.O. BOX 1359 NORFOLK, VA 23503	Project: MULLS	Date: 4/28/00	Revision: A - ADD NOTATION	Drawing No. 6620-4
Description: PROFILES	Project: 1" STD. WALL MULLION	Date: 4/28/00	Revision: A - ADD NOTATION	Drawing No. 6620-4

1x2x.125		OPENING WIDTH IN INCHES											
2 Anchors		50	60	70	80	90	100	110	120	130	160		
1	42	128	115	107	104	103	61	61	61	61	103	103	103
	48	83	73	67	63	61	61	61	61	61	61	61	61
	50.625	70	61	55	52	50	49	49	49	49	49	49	49
	54	57	48	44	41	39	38	38	38	38	38	38	38
	60	41	35	31	29	27	26	25	25	25	25	25	25
	63	35	30	27	24	23	22	21	20	20	20	20	20
	66	30	26	23	21	19	18	18	17	17	17	17	17
	72	23	20	17	16	-	-	-	-	-	-	-	-
	76	20	17	15	-	-	-	-	-	-	-	-	-
	78	18	15	-	-	-	-	-	-	-	-	-	-
		84	-	-	-	-	-	-	-	-	-	-	-
		90	-	-	-	-	-	-	-	-	-	-	-
		96	-	-	-	-	-	-	-	-	-	-	-
		108	-	-	-	-	-	-	-	-	-	-	-
		111	-	-	-	-	-	-	-	-	-	-	-
		144	-	-	-	-	-	-	-	-	-	-	-
1x4x.125		OPENING WIDTH IN INCHES											
4 Anchors		50	60	70	80	90	100	110	120	130	160		
2	42	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
	50.625	170	170	170	170	170	170	170	170	170	170	170	170
	54	170	170	170	170	162	158	157	157	157	157	157	157
	60	170	170	157	143	134	127	124	122	122	122	122	122
	63	170	160	141	128	119	112	108	108	108	108	108	108
	66	170	145	127	115	108	100	96	93	92	92	92	92
	72	142	120	105	95	87	81	77	74	72	71	71	71
	76	120	102	90	81	74	68	65	63	61	59	59	59
	78	111	94	83	74	68	63	60	57	55	53	53	53
	84	88	75	65	59	53	49	46	44	42	40	40	40
	90	72	60	53	47	43	39	37	35	33	31	31	31
	96	59	50	43	38	35	32	30	28	27	24	24	24
	108	41	35	30	27	24	22	20	19	18	16	16	16
	111	38	32	28	24	22	20	19	17	16	-	-	-
	144	17	-	-	-	-	-	-	-	-	-	-	-

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

Robert L. Curt, P.E.
PE #9712
Structural



PRODUCT REVIEWED
in accordance with the Florida
Building Code
Approved by the Florida
Department of Building
Regulation
Date: 04-02-2004
Signature: [Signature]
Title: [Title]

TO BE USED ONLY WITH PGT INDUSTRIES PRODUCTS

PGT
INDUSTRIES

PGT INDUSTRIES
PRESSURE CHARTS

1" STD. WALL MULLION

1070 TECHNOLOGY DRIVE
MORRIS, FL 34275
P.O. BOX 1528
MORRIS, FL 34274
Drawing No. 6620
Sheet 5 of 5
Rev. A



Project Summary
Entire House
HOGLE HEATING & AIR

Job: RONNIE & BRIGITTE K...
Date: 02/13/06
By: W.D.HOGLE

Project Information

For: ROSENBOOM CONSTRUCTION INC.

Notes: 2535 SW COUNTY RD. 778
FORT WHITE, FL. 32038

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Building heat loss	35290 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	35290 Btuh

Sensible Cooling Equipment Load Sizing

Structure	38705 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	37544 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2065	2065
Volume (ft³)	20650	20650
Air changes/hour	0.70	0.35
Equiv. AVF (cfm)	241	120

Latent Cooling Equipment Load Sizing

Internal gains	1200 Btuh
Ventilation	0 Btuh
Infiltration	4235 Btuh
Total latent equip. load	6652 Btuh
Total equipment load	44197 Btuh
Req. total capacity at 0.70 SHR	4.5 ton

Heating Equipment Summary

Make YORK
Trade
E1RD060S06

Efficiency	8 HSPF
Heating input	
Heating output	54500 Btuh @ 47°F
Heating temp rise	25 °F
Actual heating fan	2000 cfm
Heating air flow factor	0.057 cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make YORK
Trade
E1RD060S06
F2FP060N06

Efficiency	13 EER
Sensible cooling	38150 Btuh
Latent cooling	16350 Btuh
Total cooling	54500 Btuh
Actual cooling fan	2000 cfm
Cooling air flow factor	0.052 cfm/Btuh

Load sensible heat ratio 85 %

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Short Form
Entire House
HOGLE HEATING & AIR

Job: RONNIE & BRIGITTE K...
Date: 02/13/06
By: W.D.HOGLE

Project Information

For: ROSENBOOM CONSTRUCTION INC.

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	37	17	Fireplaces	1 (Average)
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make YORK
Trade
E1RD060S06

Efficiency 8 HSPF
Heating input
Heating output 54500 Btuh @ 47°F
Heating temperature rise 25 °F
Actual heating fan 2000 cfm
Heating air flow factor 0.057 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make YORK
Trade
E1RD060S06
F2FP060N06

Efficiency 13 EER
Sensible cooling 38150 Btuh
Latent cooling 16350 Btuh
Total cooling 54500 Btuh
Actual cooling fan 2000 cfm
Cooling air flow factor 0.052 cfm/Btuh

Load sensible heat ratio 85 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MASTER BEDROOM	336	6304	6680	357	345
MASTER CLOSETS	210	1459	908	83	47
MASTER BATHROOM	252	4609	4475	261	231
BEDROOM #1	156	2250	3836	128	198
HALL BATHROOM	60	886	513	50	27
BEDROOM #2	156	2250	3836	128	198
LAUNDRY/R.ENTRY	130	2994	3028	170	156
KITCHEN	441	7590	8903	430	460
LIVING ROOM	324	6947	6527	394	337

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Entire House	d	2065	35290	38705	2000	2000
Ventilation air			0	0		
Equip. @ 0.97 RSM				37544		
Latent cooling				6652		
TOTALS		2065	35290	44197	2000	2000

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

FIELD DENSITY WORKSHEET

CLIENT Rosenbloom DATE 4-6-06
PROJECT NAME Klein Kes PROJECT NO. _____
EARTH CONTRACTOR N/P PERMIT NO. cccc24290
COMPACTION REQUIREMENT (%) 95 ☐ Standard Proctor TESTED BY BB
☒ Modified Proctor _____ FIELD CONTACT
TOTAL ON-SITE TIME _____ MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☐ Building Pad ☒ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
Center of N. Footing	102.1	11.9	4 FCG	12"	4.8	106.9	102.0	95.2
Center of SE Ftg	↓	↓	↓	↓	5.1	107.1	101.9	95.1
Center of W Ftg	↓	↓	↓	↓	6.2	108.6	102.3	95.5

REMARKS _____

- * Density failed to meet minimum project requirement
- ** Retest indicates minimum density requirement was obtained.
- () Client is aware of unsatisfactory test results.

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 07-7S-17-09940-001

Building permit No. 000024290

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder SCOTT ROSENBOOM

Waste: 0.00

Owner of Building RONNIE & BRIGITTE KLEIN

Total: 0.00

Location: 2535 SW CR 778, FT WHITE, FL 32038

Date: 01/11/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)