



**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)

**Sun Metals Systems, Inc.
5140 West Clifton Street
Tampa, FL 33634**

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 SUNDOR 1000 Aluminum Sliding Glass Door – Small Missile Impact

APPROVAL DOCUMENT: Drawing No. **SGD-DC-01**, titled "SUNDOR 1000," Sheets 1 through 4 of 4, dated 6/21/02, with revision B dated 10/30/02, prepared by Bromley-Cook Engineering Structural Engineering Services, signed and sealed by William D. Cook, 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: 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 as well as approval document mentioned above.

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



**NOA No 02-0722.03
Expiration Date: November 28, 2007
Approval Date: November 28, 2002
Page 1**

Sun Metals Systems, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

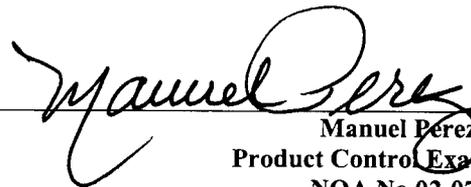
1. Manufacturer's die drawings and sections.
2. Drawing No. **SGD-DC-01**, titled "SUNDOR 1000," Sheets 1 through 4 of 4, dated 6/21/02, with revision B dated 10/30/02, prepared by Bromley-Cook Engineering Structural Engineering Services, signed and sealed by William D. Cook, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
3) Water Resistance Test, per SFBC, PA 202-94
along with marked-up drawings and installation diagram of specimen 1 aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0280-0922-01**, dated 9/27-10/22/01, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
2) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
along with marked-up drawings and installation diagram of specimen 1 aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0280-1021-01**, dated 10/22/01, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on 1) Small Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of specimens 1 and 3 aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0280-1021-01**, dated 10/22-25/01, signed and sealed by Vinu J. Abraham, P.E.
4. Test reports on 1) Small Missile Impact Test per SFBC, PA 201-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of specimen 3 aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0280-1021-01**, dated 2/12/02, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Structural analysis and anchor verification dated June 21, 2002, prepared by Bromley-Cook Engineering Structural Engineering Services, signed and sealed by William D. Cook, P.E.



Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0722.03

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D. MATERIAL CERTIFICATIONS

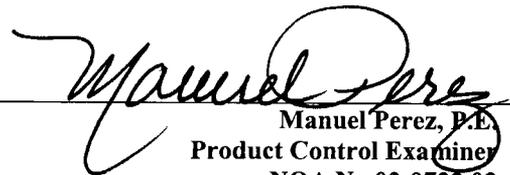
1. Notice of Acceptance No. **98-0120.06** issued to Solutia Inc. for their "Saflex IIIG Polyvinyl Butyral Interlayer – For Laminated Glass" dated 05/21/98, expiring on 05/21/01.

E. STATEMENTS

1. Statement letter of conformance, dated July 3, 2002, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated July 3, 2002, signed and sealed by William D. Cook, P.E.

D. OTHER

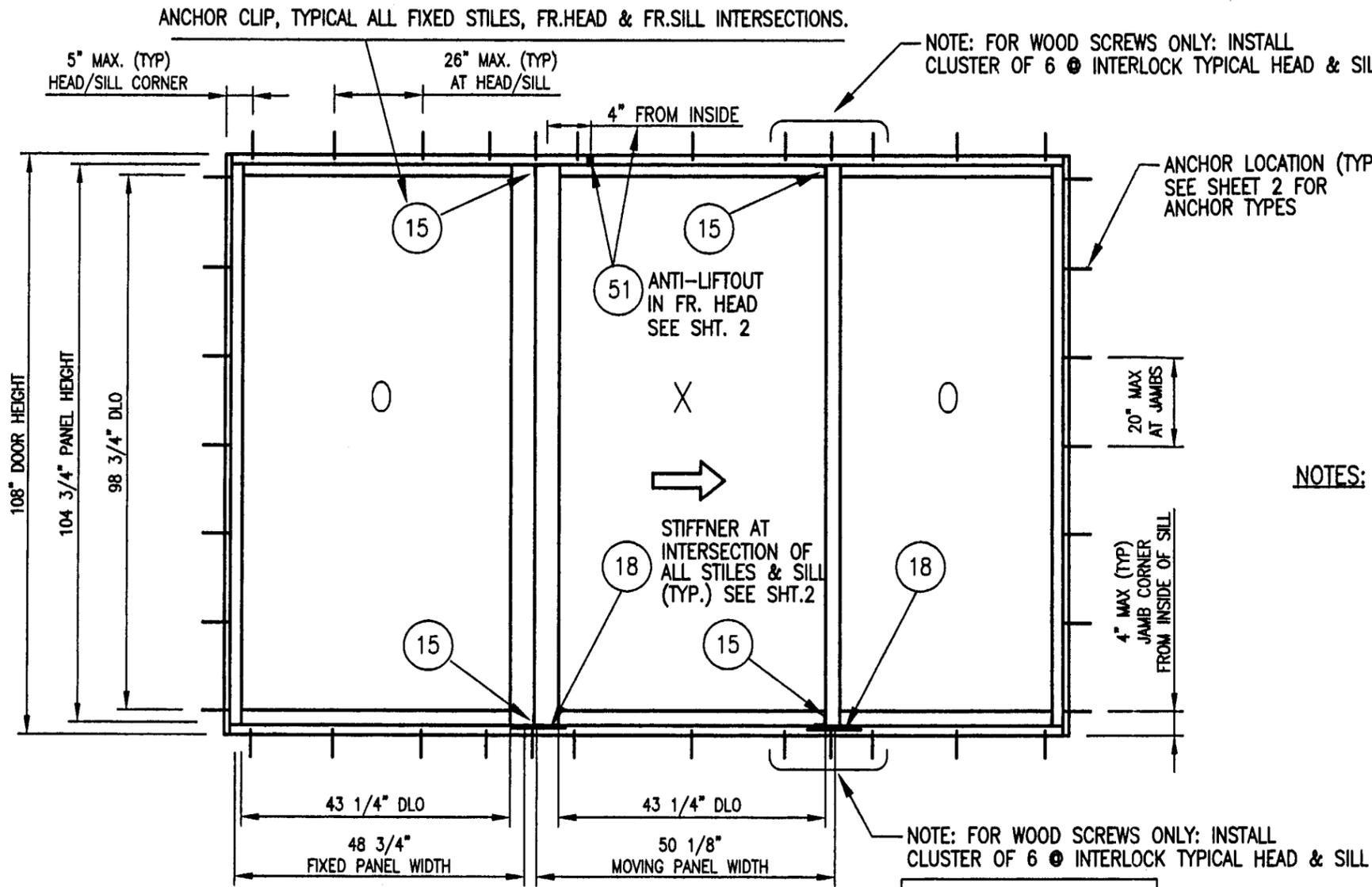
1. None.


Manuel Perez, P.E.
Product Control Examiner

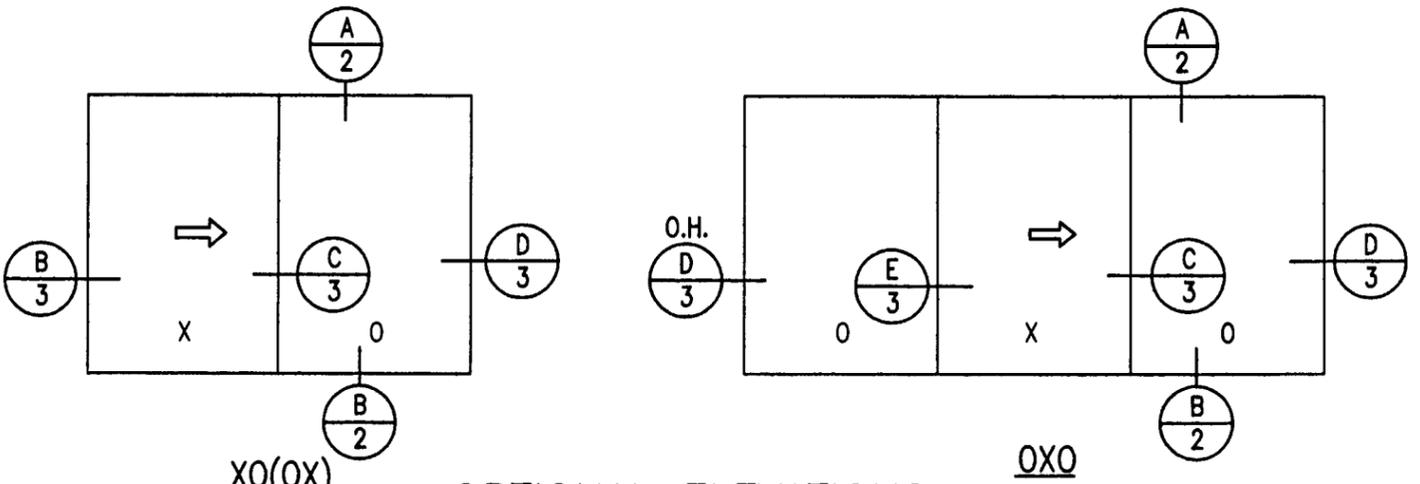
NOA No 02-0722.03

Expiration Date: November 28, 2007

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TYPICAL ELEVATION
OXO CONFIGURATION



OPTIONAL ELEVATIONS
VIEWED FROM EXTERIOR

GLAZING OPTIONS

SMALL MISSILE IMPACT RESISTANT - 9/16" LAMINATED
(1/4" HS (INBOARD)/ 0.060 SOLUTIA SAFLEX III G PVB/ 1/4" TEMP)
(SOLUTIA SAFLEX - N.O.A.#01-0205.02)

FOR INSTALLATIONS ABOVE 30 FEET ABOVE GRADE SHUTTERS ARE NOT REQUIRED

DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FEET ABOVE GRADE.

DESIGN PRESSURES:

+100 PSF
-100 PSF

- NOTES:**
- THIS STRUCTURE IS DESIGNED AS PER THE 2001 FLORIDA BUILDING CODE AND PER ASCE 7-98 CORRESPONDING WIND LOADS.
 - WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
 - ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 - ALL STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED OR PLATED.
 - SEALANTS (45) (46) (48)
 - FACTORY TO SEAL ALL EXTERIOR JOINTS AT INTERSECTIONS OF ALL RAILS & STILES, WITH ITEM #45, NARROW JOINT SEAM SEALER.
 - FACTORY TO SEAL ALL GASKET JOINTS, WITH ITEM # 48, ACRYLIC GASKET SEALER.
 - JAMBS TO HEAD & SILL ON BACKSIDE,
 - BUTTER SEAL AT SILL DAM, BACKSIDE, TO JAMBS.
 - THRESHOLD TO JAMB & INTERLOCK STILE.
 - OXO ADAPTOR TO HEAD, SILL & ASTRAGAL ADAPTER.
 - FIXED SIDE OF HEAD & SILL PARTING STOP.
 - FIELD TO SEAL ALL SILL INSTALLATION SCREWS & EXTERIOR INSTALLATION SCREWS IN FIXED TRACK OF FRAME JAMBS & HEAD WITH SILICONE.
 - CAUTION: DO NOT ALLOW SEALANT, MORTAR, GROUT, ETC.; TO BLOCK WEEP SLOTS ON EXTERIOR OF SILL.

SUNDOR 1000
SUN METALS SYSTEMS, INC.

5140 W. CLIFTON STREET TAMPA, FLORIDA 33634
fax: (813) 886-0666 ph: (813) 889-3887

Scale: 1/2"=1'	Rev: A	Date: 8/27/02	Rev: B	Date: 10/30/02
Drawn: JU	Checked: EDY	Revised per letter from Dade Co.	Revised per letter from Dade Co.	Revision Notes

SMALL MISSILE IMPACT RESISTANT

SLIDING GLASS DOOR

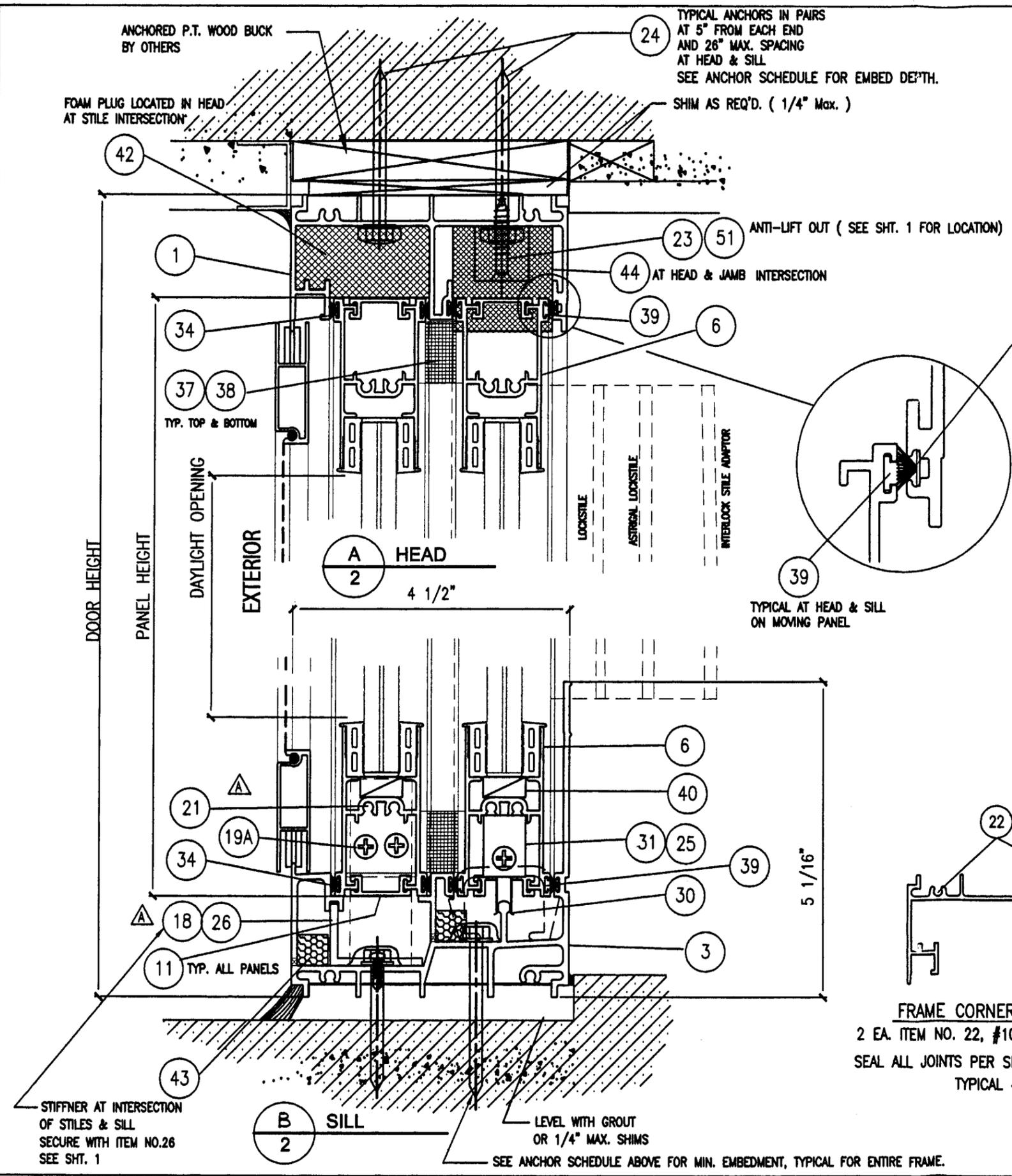
BRODMLEY-COOK ENGINEERING
STRUCTURAL ENGINEERING SERVICES
2004 N.E. 4th STREET
FORT LAUDERDALE, FLORIDA 33308
TEL: (866) 772-4884 FAX: (866) 772-4834

NOV 01 2002

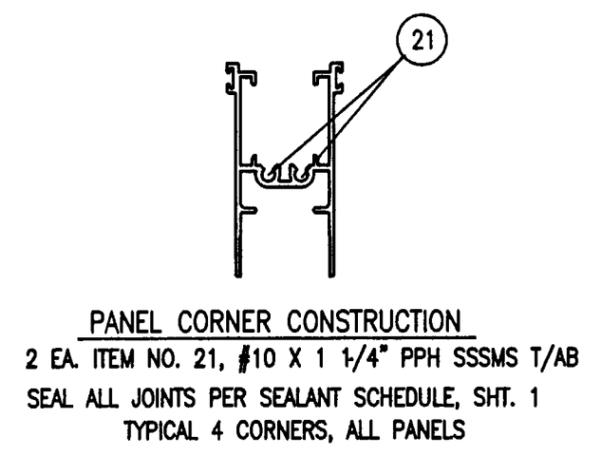
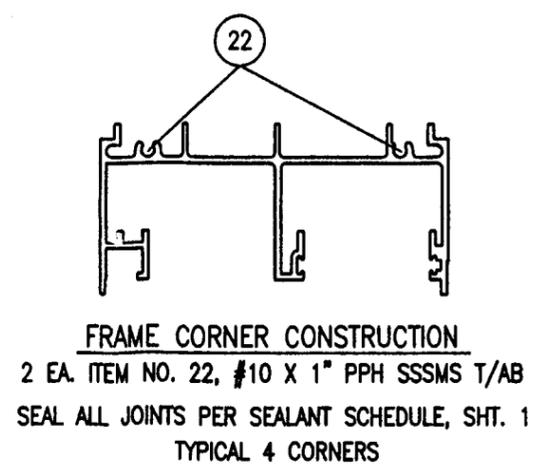
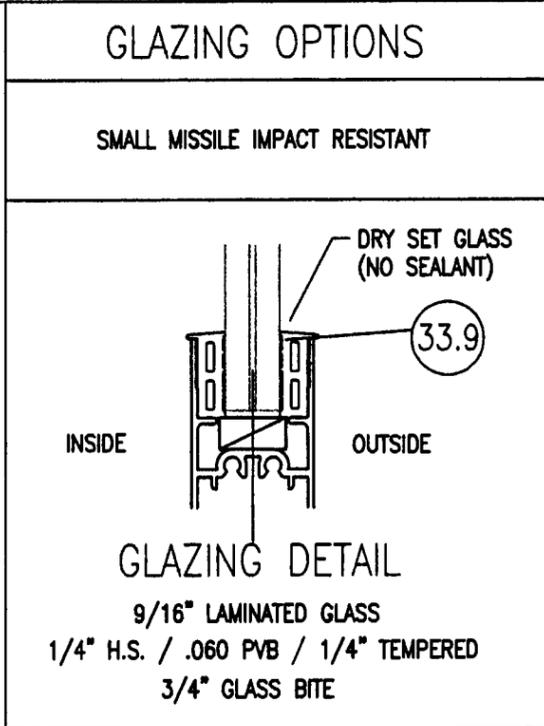
WILLIAM D. COOK P.E.
FLA P.E. No. 43904

Approved as complying with the Florida Building Code
Date Nov. 28, 2002
NOA# 02-0722.03
Miami Dade Product Control Division
By Maurice Perez

ITEM: ELEVATIONS/NOTES
FILE#: SGD-DC-01
SHEET#: 1 OF 4



ANCHOR SCHEDULE		
SUBSTRATE	ANCHOR	SPACING
CONCRETE:	1/4" DIA. TAPCON WITH 1 1/2" EMBED	SEE ELEVATIONS
STEEL: (16 GA. MIN.)	# 14 S.M.S.	SEE ELEVATIONS
WOOD: 1 X	1/4" DIA. TAPCON, WITH 1 1/2" EMBEDMENT INTO CONCRETE.	SEE ELEVATIONS
WOOD: 2 X	# 14 WOOD SCREW WITH 1 1/2" EMBED	SEE ELEVATIONS



SUNDOR 1000
SUN METALS SYSTEMS, INC.

5140 W. CLIFTON STREET TAMPA, FLORIDA 33634
fax: (813) 886-0666 ph: (813) 889-3887

Scale: 1/2"=1'	Date: 6/21/02	Drawn: JU	Checked: ECV	Rev. Date
SMALL MISSILE IMPACT RESISTANT	SMALL MISSILE IMPACT RESISTANT	SLIDING GLASS DOOR	A 9/27/02 Revised per letter from Dade Co. 8/21/02	

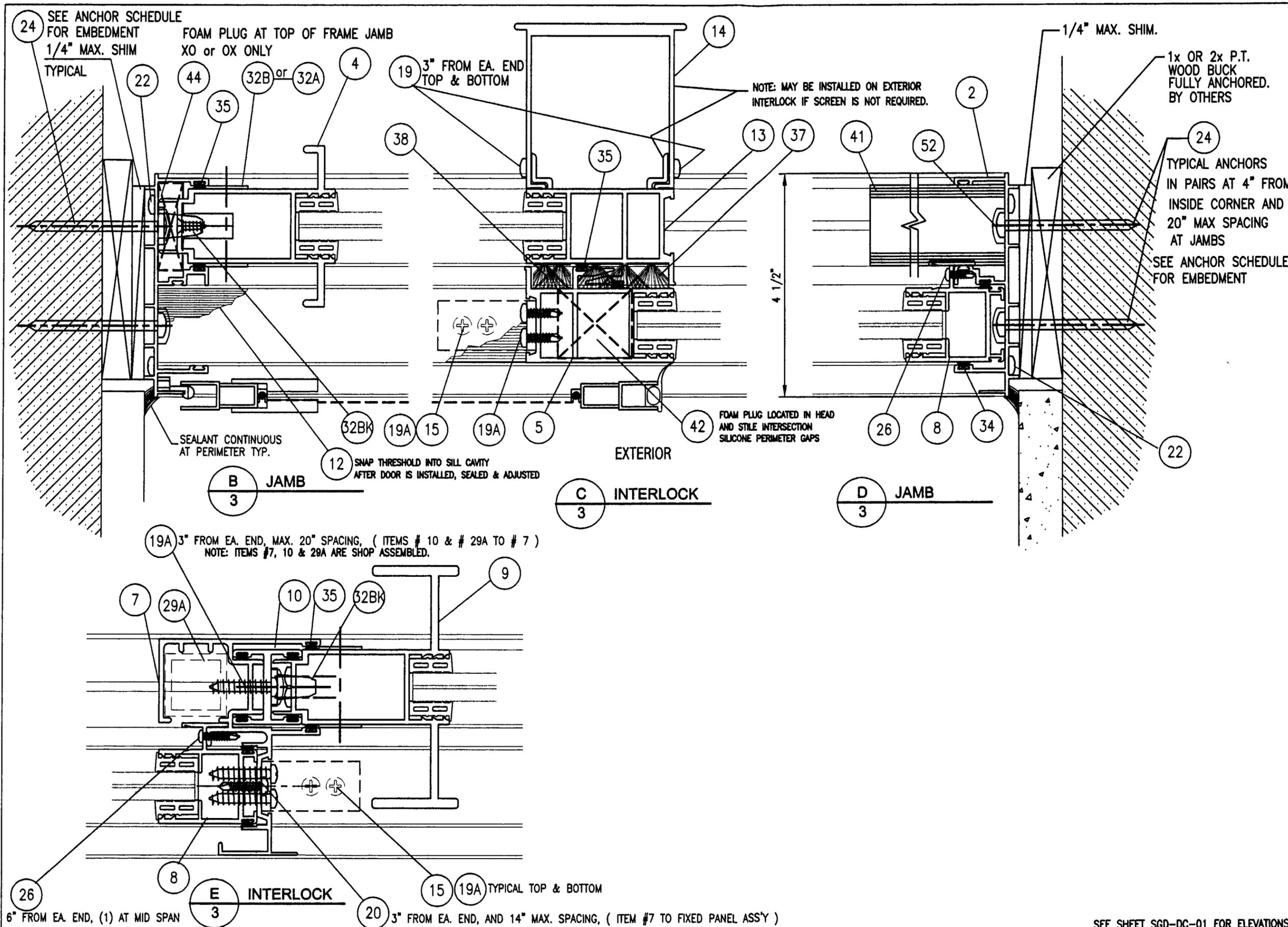
BRODMLEY-COOK ENGINEERING
STRUCTURAL ENGINEERING SERVICES
2004 N.E. 4th STREET
FORT LAUDERDALE, FLORIDA 33308
TEL: (866) 772-4834 FAX: (866) 772-4834

NOV 01 2002
WILLIAM J. COOK P.E.
FLA P.E. No: 23904

Approved as complying with the Florida Building Code
Date: Nov. 28, 2002
NOA# 02-0722-03
Miami Dade Product Control
Division
By: *Maurice Perry*

ITEM: DETAILS
FILE#: SGD-DC-01
SHEET#: 2 OF 4

SEE SHEET SGD-DC-01 FOR ELEVATIONS



SUNDOR 1000
SUN METALS SYSTEMS, INC.
 5140 W. CLIFTON STREET TAMPA, FLORIDA 33634
 fax: (813) 886-0666 ph: (813) 889-3887

Scale: 1/2"=1"	Date: 6/21/02	Drawn: JU	Checked: EDV	Rev:	Date:
B 10/30/02 Revised per letter from Dade Co.			A 8/27/02 Revised per letter from Dade Co. 8/21/02		

SMALL MISSILE IMPACT RESISTANT
 SLIDING GLASS DOOR

BROMLEY-COOK ENGINEERING
 STRUCTURAL ENGINEERING SERVICES
 2004 N.E. 49th STREET
 FORT LAUDERDALE, FLORIDA 33308
 TEL: (954) 772-0884 FAX: (954) 772-8834

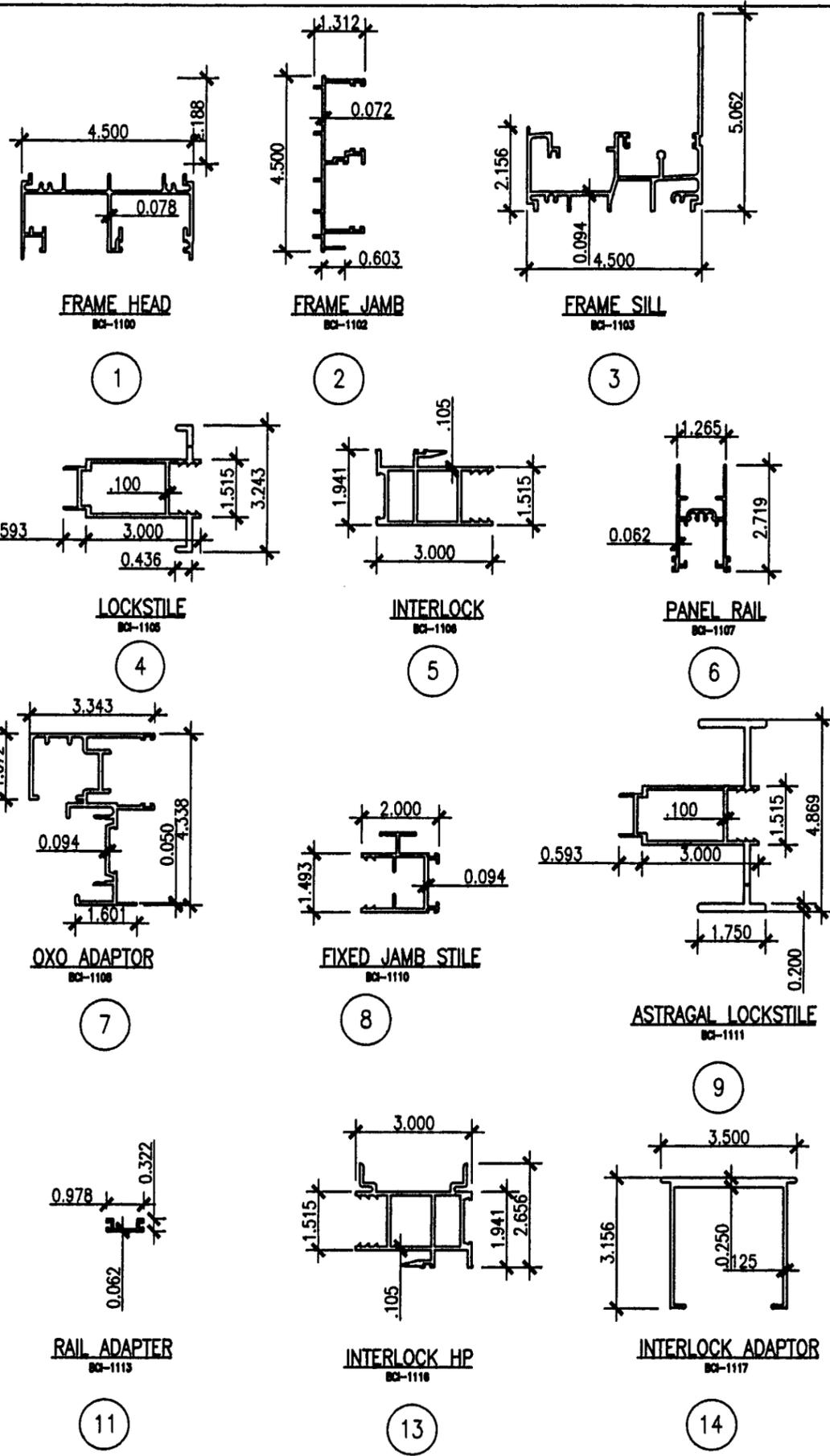
NOV 01 2002

WILLIAM D. COOK P.E.
 FLA P.E. No: 43604

Approved as complying with the
 Florida Building Code
 Date NOV. 28, 2002
 NOA# 02-0722-03
 Miami Dade Product Control
 Division
 By Manuel Perez

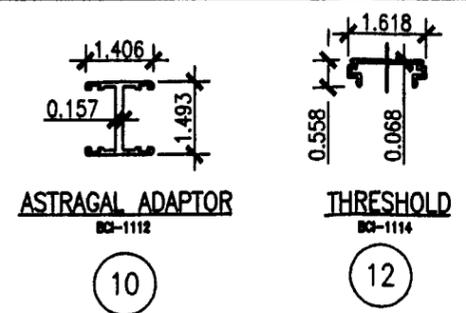
ITEM: DETAILS
 FILE#: SGD-DC-01
 SHEET#: 3 OF 4

SEE SHEET SGD-DC-01 FOR ELEVATIONS



Bill of Materials

Item#	Part#	Description	Material	Manufacturer/Supplier/Comments	U/M	ox	xo	oxo
1	BC-1100	FRAME HEAD	6063-T6		EA	1	1	
2	BC-1102	FRAME JAMB	6063-T6		EA	1L/1R	2	
3	BC-1103	FRAME SILL	6063-T6		EA	1	1	
4	BC-1106	LOCKSTILE	6063-T6		EA	1	0	
5	BC-1108	INTERLOCK STILE	6063-T6		EA	1	1	
6	BC-1107	TOP & BOTTOM RAIL	6063-T6		EA	4	6	
7	BC-1108	OXO ADAPTOR	6063-T6		EA	0	1	
8	BC-1110	FIXED JAMB STILE	6063-T6		EA	1	2	
9	BC-1111	ASTRAGAL LOCKSTILE (OXO/OXO ONLY)	6063-T6		EA	0	1	
10	BC-1112	ASTRAGAL ADAPTOR	6063-T6		EA	0	1	
11	BC-1113	RAIL ADAPTOR	6063-T6		EA	4	6	
12	BC-1114	THRESHOLD	6063-T6		EA	1	1	
13	BC-1116	INTERLOCK STILE - HP	6063-T6		EA	1	1	
14	BC-1117	INTERLOCK STILE ADAPTOR	6063-T6		EA	1	1	
15	FAB-CL01	ANCHOR CLIP - 2" X 3" X 3/16" X 1" LG. ALUM. ANGLE	6063-T6		EA	2	4	
16	FAB-ST06	STIFFNER - 1" X 1-1/2" X 1/8" ALUM. ANGLE	6063-T6		EA	1	2	
17	FB1003402	#10 X 3/4" PH,SSMS,TEK (HP ADAPTOR)			EA	4	4	
18A	FB1011402	#10 X 1-1/4" PH,SSMS,TEK (ANCHOR CLIPS)			EA	8	16	
19	FB1010003	#10 X 1" PH,SSMS,TEK (ASTRAGAL ADAPTOR & OXO CLIPS)			EA	0	12	
20	FB1011401	#10 X 1-1/4" PH,SSMS, T/AB, (PANEL ASS'Y)			EA	16	24	
21	FB1010001	#10 X 1" #2PPH,SSMS, T/AB (FRAME ASS'Y)			EA	8	8	
22	FB1011201	#10 X 1-1/2" PPH,SMS,TEK (ANTI - LIFT)			EA	1	1	
23	FB14	#14 PERIMETER ANCHORS			EA	AR	AR	
24	FB0805001	#8-32 X 1/2" PH, MS, T/F (ROLLER INSTALLATION)			EA	2	2	4
25	FB0505002	#8 X 1/2" PH, SMS, TEK (FIXED PANEL ANCHORING)			EA	5	17	
26A	MFAB-RE03	1-1/4" X 1/8" THICK SQUARE ALUM. TUBE	6063-T6		EA	0	1	
27	HB001CSS	STAINLESS STEEL TRACK COVER	STAINLESS STEEL	HYGRADE DIE #1	FT.	AR	AR	
28	HB003RSS	ROLLER ASS'Y, TANDEM, STAINLESS STEEL	STAINLESS STEEL	BUILDERS HARDWARE #1936-4000-2SS	EA	2	2	
29	HB003LNK	DEADLATCH LOCK ASS'Y, NON KEYED, W/ THUMB TURN	STAINLESS/ZAMAK	SASH CONTROL #537SS (OPTIONAL)	EA	1	1	
30A	HB0030KP	KEEPER W/ 2 EA. #10 X 1-1/4" PPH SSSMS	STAINLESS	SASH CONTROL #02315SS (OPTIONAL)	EA	1	1	
31	HB004LNK	FLUSH LOCK ASS'Y, NON KEYED	ZAMAK	DECO #7142 (OPTIONAL)	EA	1	1	
32	HB0040KP	KEEPER W/ 2 EA. #8 X 1" PPH SMS	ZAMAK	DECO #713010E1 (OPTIONAL)	EA	1	1	
33	VB011GBL	9/16" GLAZING GASKETS	PVC	PROTOTYPE PLASTICS	FT.	AR	AR	
34	WBS170SF	.210 X .170 SINGLE FIN WEATHERSTRIP	PILE W/ FIN	ULTRA FAB	FT.	AR	AR	
35	WBS160SF	.210 X .160 SINGLE FIN WEATHERSTRIP	PILE W/ FIN	ULTRA FAB	FT.	AR	AR	
36	WB0189PA	.55 X 1.89 X 1.25" LG. DUST PLUG	PILE W/ FIN	ULTRA FAB	EA	2	2	
37	WB0075PA	.55 X 0.75 X 1.25" LG. DUST PLUG	PILE W/ FIN	ULTRA FAB	EA	2	2	
38	VB008PGB	MOVING PANEL GUIDE	POLYETHYLENE	UNITED PLASTICS	FT.	AR	AR	
39	VB021BEL	SETTING BLOCK 5/16" X 11/16" X 2" LG.	NEOPRENE	GLAZING RUBBER PRODUCTS	EA	4	6	
40	VB009BBL	DOOR BUMPER X 4-3/4" LG (PVC)	PVC	PROTOTYPE PLASTICS	EA	1	1	
41	SB001FCO	FOAM PLUG, CLOSED CELL, 1-1/4" X 2-1/4" X 1-1/2" (HEAD)	NEOPRENE	SECOR RUBBER	EA	1	2	
42	SB002FOA	FOAM BAFFLE, OPEN CELL, 5/8" SQUARE X 2" PSA ONE SIDE	30 PPI FOAM	SECOR RUBBER	EA	4	4	
43	SB003FCA	FOAM PLUG, CLOSED CELL, 1-3/4" SQ. X 1/2" W/ PSA ONE SIDE	SPONGE	SECOR RUBBER	EA	2	0	
44	SB004SCL	SEALANT, NARROW JOINT	ACRYLIC	PECORA 896-SSL OR EQUAL	OZ.	AR	AR	
45	SB005S00	SEALANT, SILICONE	SILICONE	DOW 795 OR EQUAL	OZ.	AR	AR	
46	SB007S01	SEALANT, GASKET, BLACK	ACRYLIC	PECORA 896-SSL OR EQUAL	OZ.	AR	AR	
47	HB005ALD	ANTI - LIFTOUT BLOCK, 7/8" SQ. X 1" LG. ALUM. BLOCK	6063-T6		EA	1	1	
48	HB006SCC	SNAP ON SCREW COVER CAP	PLASTIC	OUTWATER PLASTICS	EA	AR	AR	



AR = AS REQUIRED, QUANTITIES BY DOOR SIZE

ALL VIEWS FROM THE EXTERIOR

SUNDOR 1000
SUN METALS SYSTEMS, INC.

5140 W. CLIFTON STREET TAMPA, FLORIDA 33634
ph. (813) 889-3887 fax. (813) 886-0666

SMALL MISSILE IMPACT RESISTANT
SLIDING GLASS DOOR

Scale: 1/2"=1'
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Checked: EDY

Rev. Date
B 10/30/02 Revised per letter from Dade Co.
A 8/27/02 Revised per letter from Dade Co. 8/21/02

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STRUCTURAL ENGINEERING SERVICES
2004 N.E. 40th STREET
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TEL: (954) 772-9684 FAX: (954) 772-9684

WILLIAM E. COOK P.E.
FLA P.E. No: 43604

NOV 10 2002

Approved as complying with the Florida Building Code
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Miami Dade Product Control
Division
By: Manuel Perez

ITEM: DIES/B.O.M.
FILE#: SGD-DC-01
SHEET#: 4 OF 4