



**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 W. 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

APPROVAL DOCUMENT: Drawing No. **SGD-DC-LMI-01**, titled "Sliding Glass Door", sheets 1 through 5 of 5, prepared by manufacturer, dated 8/27/02 with revision on 5/9/03, 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 as well as approval document mentioned above.

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



**NOA No 03-0514.09
Expiration Date: July 17, 2008
Approval Date: July 17, 2003
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-LMI-01**, titled "Sliding Glass Door", sheets 1 through 5 of 5, prepared by manufacturer, dated 8/27/02 with revision on 5/9/03.

B. TESTS

1. Test reports on 1)Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL 0280-1108-01 dated 11/4/02 signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by R.W. Building Consultants, Inc., dated 5/9/03, signed and sealed by Lyndon Schmidt, P.E.

D. MATERIAL CERTIFICATIONS

1. None

E. STATEMENTS

1. Statement letter of conformance and no financial interest, dated 5/9/03, signed and sealed by Lyndon Schmidt, P.E.
2. Laboratory compliance letter for Test Report no. HTL 0280-1108-01 for Hurricane Test Laboratory, Inc., dated 1/9/03, signed and sealed by Vinu Abraham, P.E.

F. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).



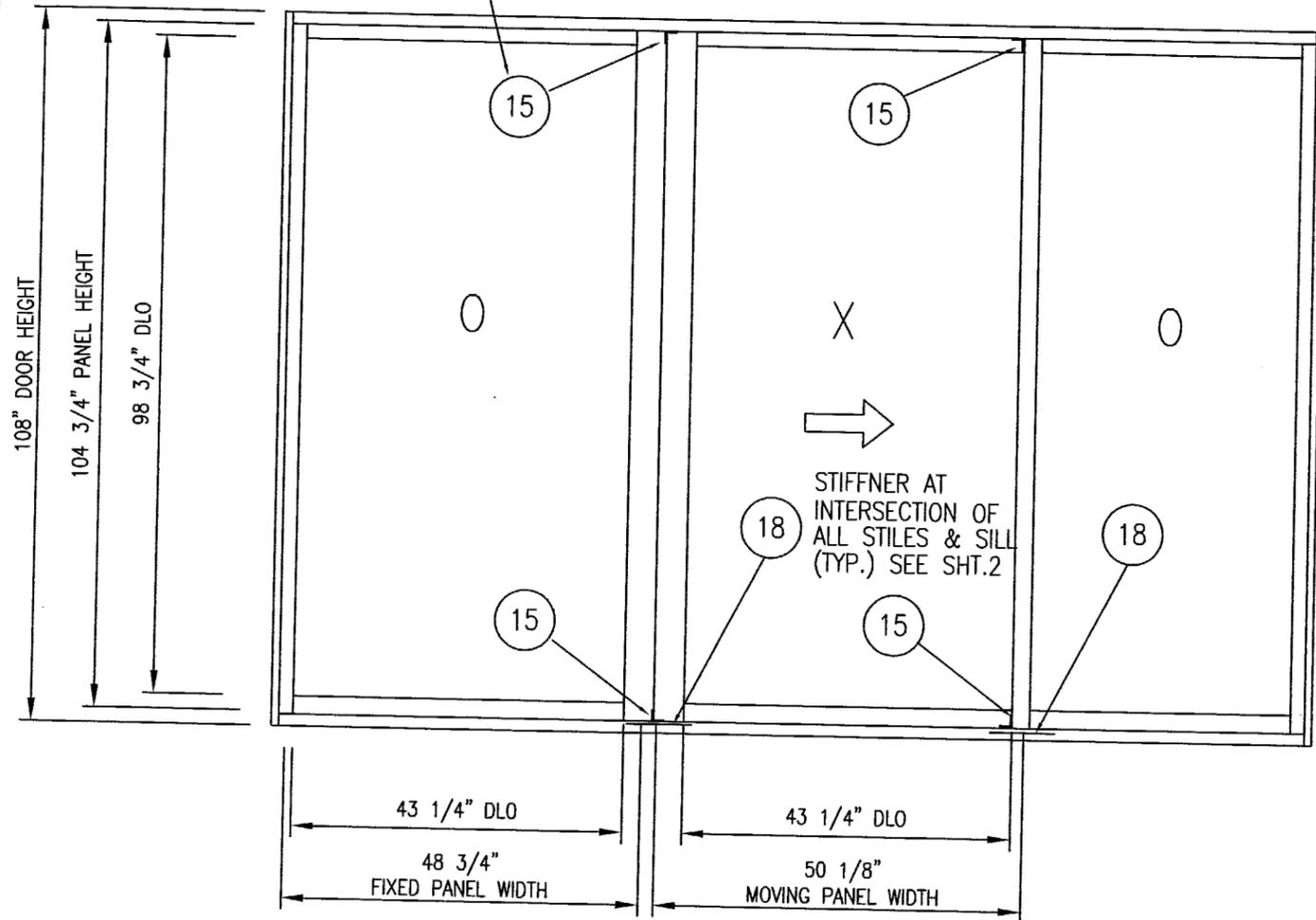
Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 03-0514.09

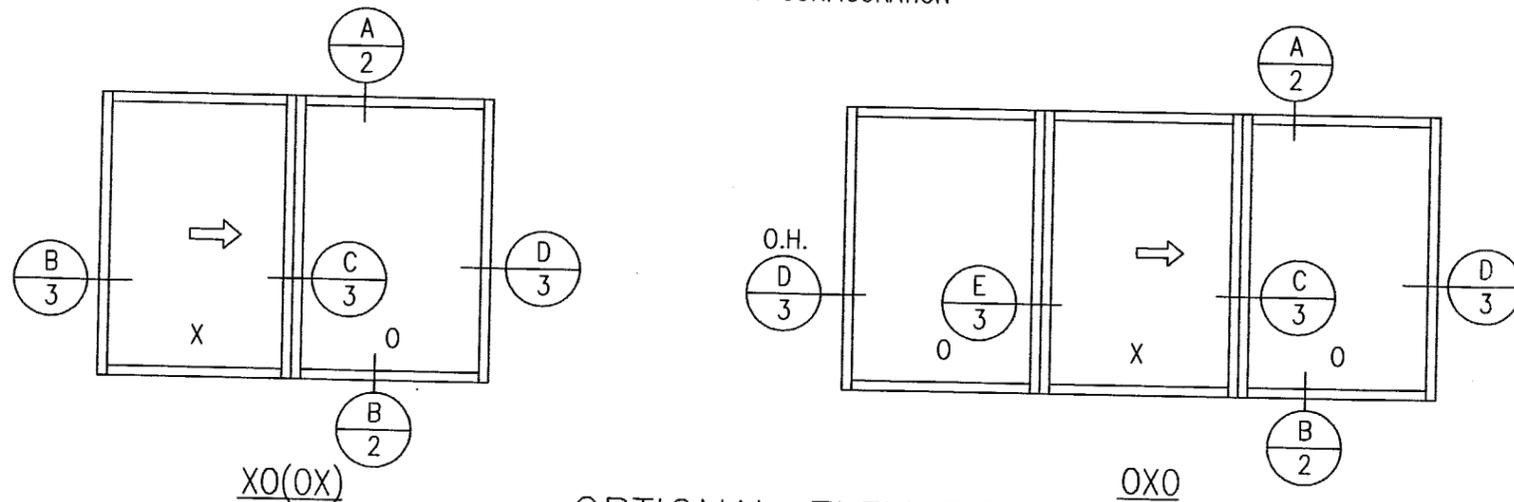
Expiration Date: July 17, 2008

Approval Date: July 17, 2003

ANCHOR CLIP, TYPICAL ALL FIXED STILES, FR.HEAD & FR.SILL INTERSECTIONS.



TYPICAL ELEVATION
OXO CONFIGURATION



OPTIONAL ELEVATIONS
VIEWED FROM EXTERIOR

SEE SHEETS SGD-DC-LMI-02 & 03 FOR DETAILS

GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT - 9/16" LAMINATED
(INSIDE LITE, 1/4" HS/ .100 SAFLEX HP / OUTSIDE LITE, 1/4" HS)
OR
(INSIDE LITE, 1/4" HS/ .100 SENTRY PLUS / OUTSIDE LITE, 1/4" HS)

FOR INSTALLATIONS UP TO 30 FEET ABOVE GRADE
SHUTTERS ARE NOT REQUIRED

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.
 - FIELD TO SEAL ALL THE FOLLOWING INTERSECTIONS WITH ITEM #46, SILICONE.
 - 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.

TABLE OF CONTENTS

SHEET 1	NOTES AND GENERAL ELEVATIONS
SHEET 2	VERTICAL CROSS SECTIONS
SHEET 3	HORIZONTAL CROSS SECTIONS
SHEET 4	BILL OF MATERIALS AND COMPONENTS
SHEET 5	ANCHORING ELEVATIONS

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

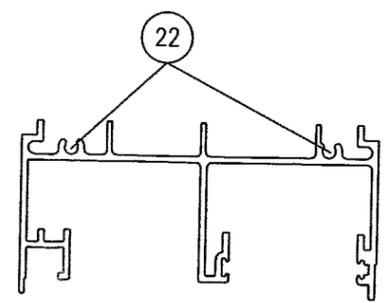
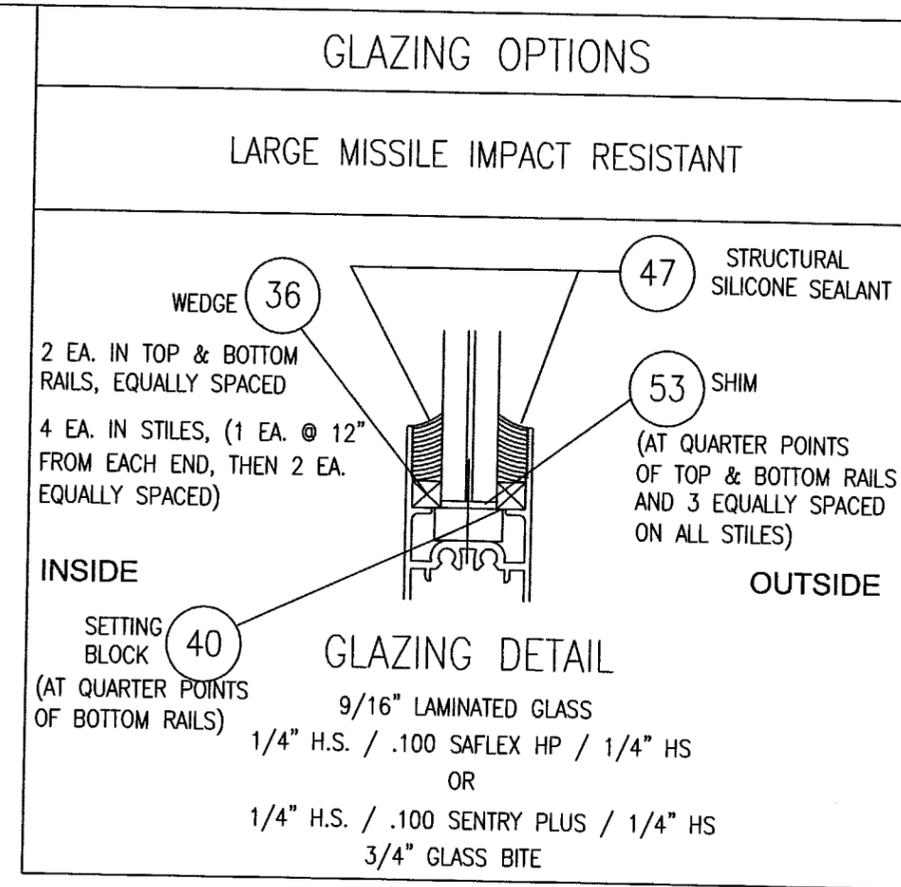
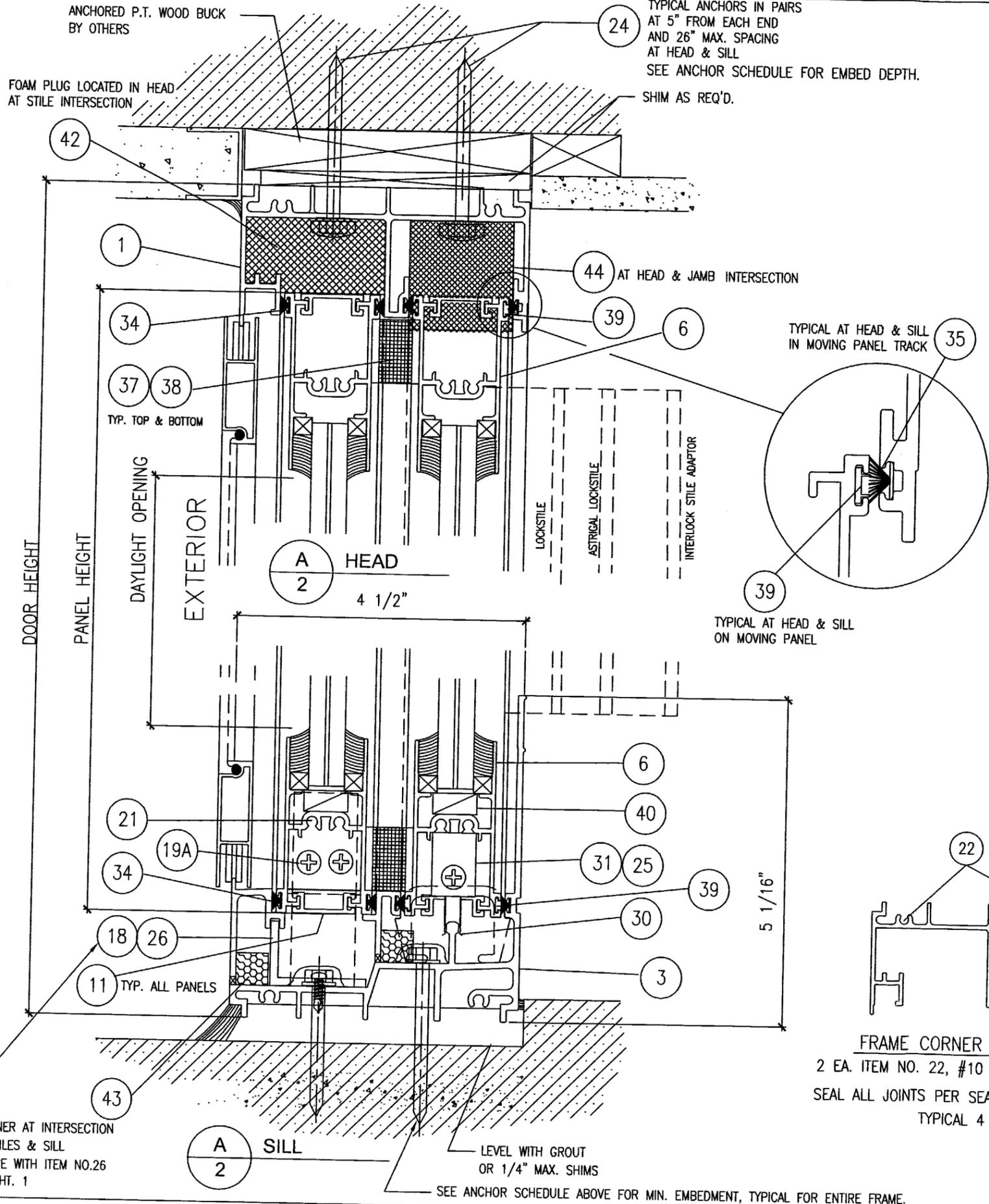
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LARGE MISSILE IMPACT RESISTANT				1 5/9/03
SLIDING GLASS DOOR				ADDED SHEET 5, ANCHORING DETAILS

Approved as complying with the
Florida Building Code
Date 03/13/03
NOA# 03-0514-09
Miami Dade Product Control
Division
By: *Verdell Keman*

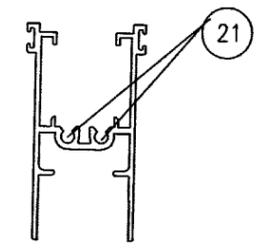
ITEM: ELEVATIONS/NOTES

FILE#: SGD-DC-LMI-01

SHEET#: 1 OF 5



FRAME CORNER CONSTRUCTION
2 EA. ITEM NO. 22, #10 X 1" PPH SSSMS T/AB
SEAL ALL JOINTS PER SEALANT SCHEDULE, SHT. 1
TYPICAL 4 CORNERS



PANEL CORNER CONSTRUCTION
2 EA. ITEM NO. 21, #10 X 1 1/4" PPH SSSMS T/AB
SEAL ALL JOINTS PER SEALANT SCHEDULE, SHT. 1
TYPICAL 4 CORNERS, ALL PANELS

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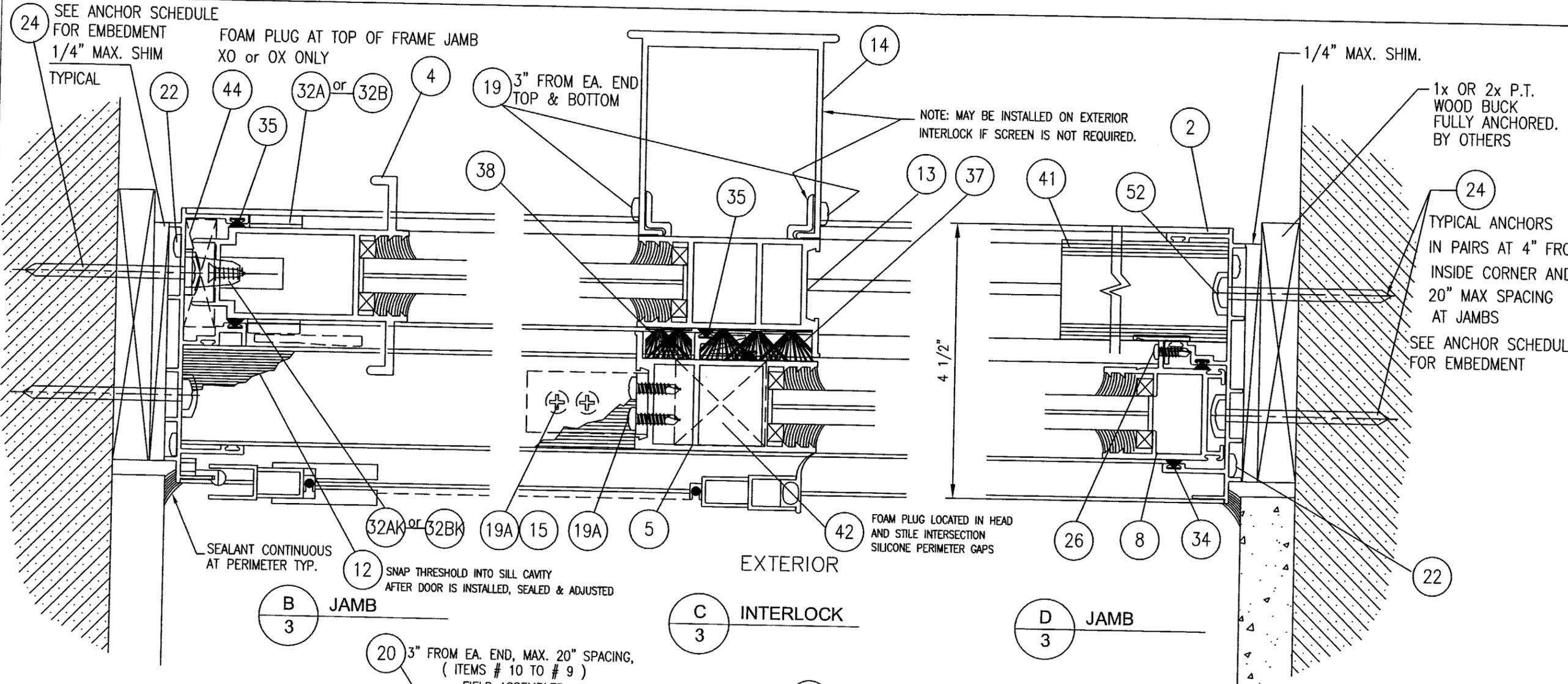
Scale: 1/2"=1'	Date: 8/27/02	Drawn: JU	Checked: ECV	Date
LARGE MISSILE IMPACT RESISTANT				1 5/9/03
SLIDING GLASS DOOR				Rev

ADDED SHEET 5, ANCHORING DETAILS

Approved as complying with the
Florida Building Code
Date: 07/17/03
NOA# 03-0814-09
Miami Dade Product Control
Div
By: *Chadler Berman*

ITEM: DETAILS
FILE#: SGD-DC-LMI-02
SHEET#: 2 OF 5

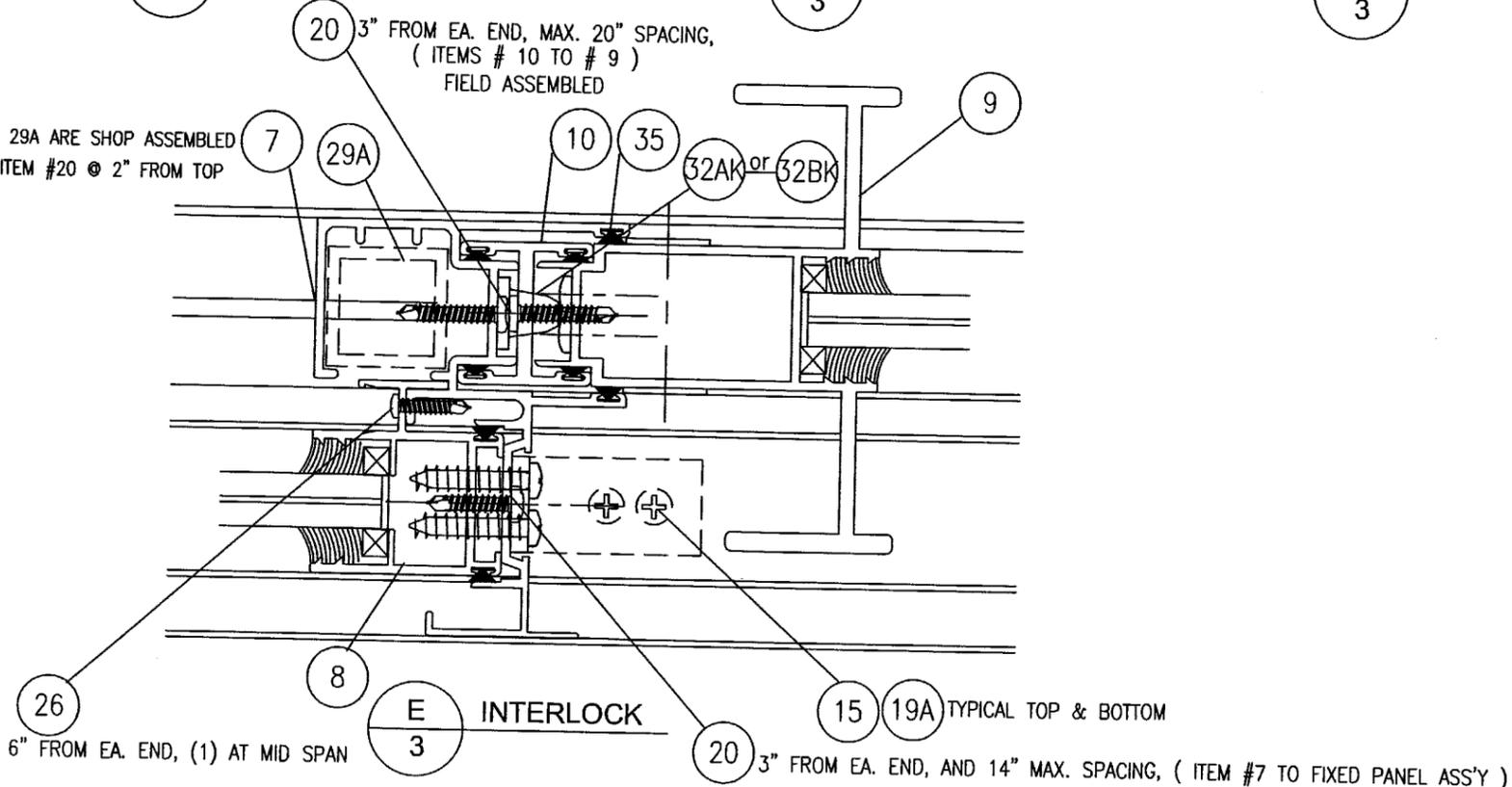
SEE SHEET SGD-DC-LMI-01 FOR ELEVATIONS



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Scale: 1/2"=1"	Date: 8/27/02	Drawn: JU	Checked: ECV	Rev. Date
LARGE MISSILE IMPACT RESISTANT				ADDED SHEET 5, ANCHORING DETAILS
SLIDING GLASS DOOR				Revision Notes

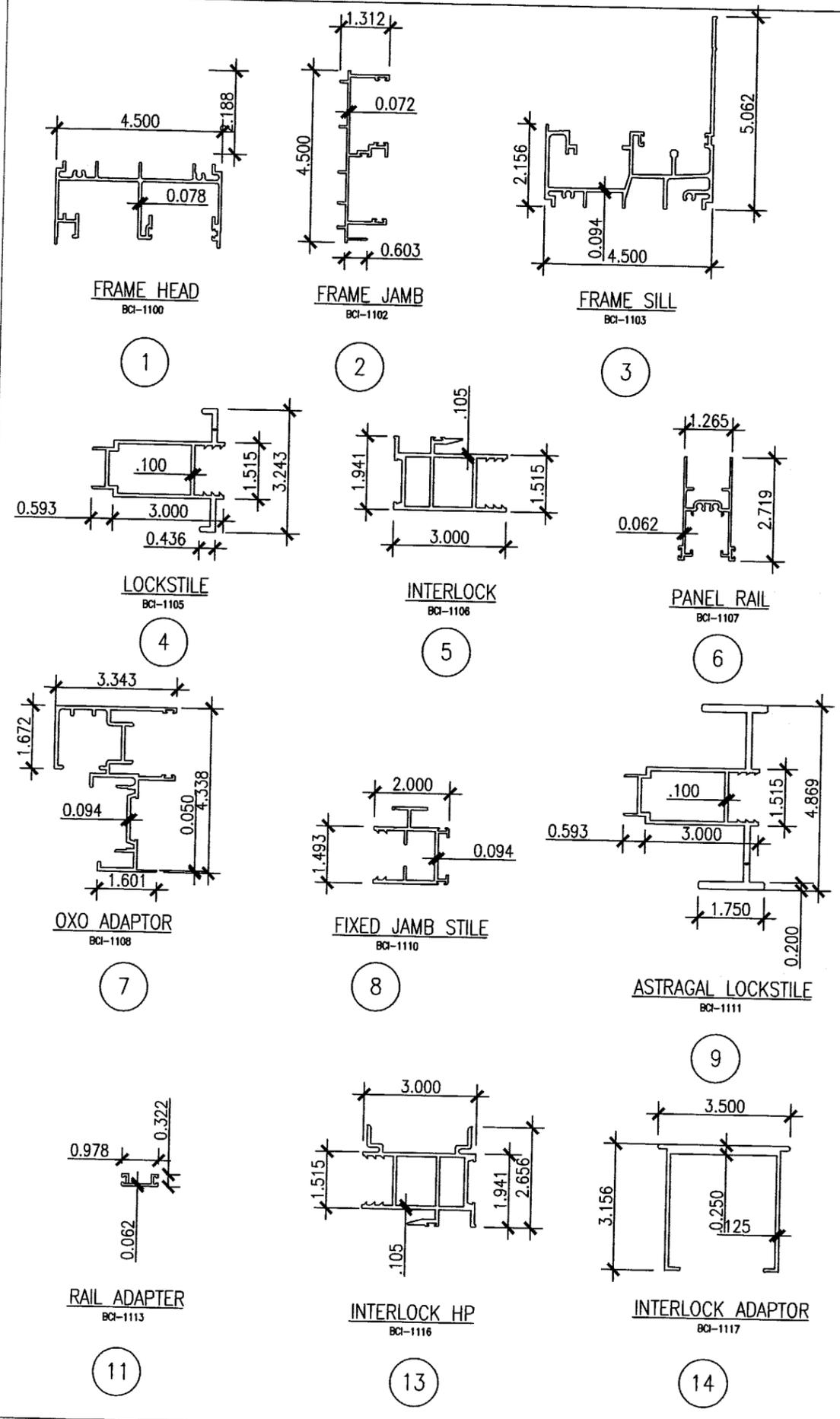
NOTE: ITEMS #7 & 29A ARE SHOP ASSEMBLED WITH 1 EA. ITEM #20 @ 2" FROM TOP



Approved as complying with the Florida Building Code
 Date 07/17/03
 NOAR 03-0514.09
 Miami Dade Product Control Division
 By: *Alfredo Comas*

ITEM: DETAILS
 FILE#: SGD-DC-LMI-03
 SHEET#: 3 OF 5

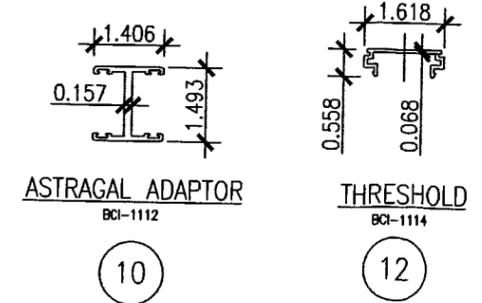
SEE SHEET SGD-DC-LMI-01 FOR ELEVATIONS



Bill of Materials

Item#	Part#	Description	Material	Manufacturer/Supplier/Comments	U/M	ox/xo	oxo
1	BCI-1100	FRAME HEAD	6063-T6		EA.	1	1
2	BCI-1102	FRAME JAMB	6063-T6		EA.	1L/1R	2
3	BCI-1103	FRAME SILL	6063-T6		EA.	1	1
4	BCI-1105	LOCKSTILE	6063-T6		EA.	1	0
5	BCI-1106	INTERLOCK STILE	6063-T6		EA.	1	1
6	BCI-1107	TOP & BOTTOM RAIL	6063-T6		EA.	4	6
7	BCI-1108	OXO ADAPTOR	6063-T6		EA.	0	1
8	BCI-1110	FIXED JAMB STILE	6063-T6		EA.	1	2
9	BCI-1111	ASTRAGAL LOCKSTILE	6063-T6		EA.	0	1
10	BCI-1112	ASTRAGAL ADAPTOR	6063-T6		EA.	0	1
11	BCI-1113	RAIL ADAPTOR	6063-T6		EA.	4	6
12	BCI-1114	THRESHOLD	6063-T6		EA.	1	1
13	BCI-1116	INTERLOCK STILE - HP	6063-T6		EA.	1	1
14	BCI-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
18	FAB-ST06	STIFFNER - 1" X 1-1/2" X 1/8" ALUM. ANGLE	6063-T6		EA.	1	2
19	FB1003402	#10 X 3/4" PH,SSMS,TEK (HP ADAPTOR)			EA.	4	4
19A	FB1011402	#10 X 1-1/4" PH,SSMS,TEK (ANCHOR CLIPS)			EA.	8	16
20	FB1010003	#10 X 1" PH, SSSMS,TEK (ASTRAGAL ADAPTOR & OXO CLIPS)			EA.	0	12
21	FB1011401	#10 X 1-1/4" PH, SSSMS, T/AB, (PANEL ASS'Y)			EA.	16	24
22	FB1010001	#10 X 1" #2PPH, SSSMS, T/AB (FRAME ASS'Y)			EA.	8	8
23	FB1011201	#10 X 1-1/2" PPH,SMS,TEK (ANTI - LIFT)			EA.	1	1
24-XX	FB14	#14 PERIMETER ANCHORS			EA.	AR	AR
25	FB0805001	#8-32 X 1/2" PH, MS, T/F (ROLLER INSTALLATION)			EA.	2	2
26	FB0505002	#8 X 1/2" PH, SMS, TEK (FIXED PANEL ANCHORING)			EA.	5	17
29A	MFAB-RE03	1-1/4" X 1/8" THICK SQUARE ALUM. TUBE	6063-T6		EA.	0	1
30	HB001CSS	STAINLESS STEEL TRACK COVER	STAINLESS STEEL	HYGRADE DIE #1	FT.	AR	AR
31	HB003RSS	ROLLER ASS'Y, TANDEM, STAINLESS STEEL	STAINLESS STEEL	BUILDERS HARDWARE #1936-4000-2SS	EA.	2	2
32A	HB003LNK	DEADLATCH LOCK ASS'Y, NON KEYED, W/ THUMB TURN	STAINLESS/ZAMAK	SASH CONTROL #537SS (OPTIONAL)	EA.	1	1
32AK	HB0030KP	KEEPER W/ 2 EA. #10 X 1-1/4" PPH SSSMS	ZAMAK	SASH CONTROL #2506 (OPTIONAL)	EA.	1	1
32B	HB004LNK	FLUSH LOCK ASS'Y, NON KEYED	ZAMAK	DECO # 7142 (OPTIONAL)	EA.	1	1
32BK	HB0040KP	KEEPER W/ 2 EA. #8 X 1" PPH SMS	ZAMAK	DECO # 713010E1 (OPTIONAL)	EA.	1	1
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	VB030BBL	GLAZING WEDGE 1/4 X 19/64" X 1" IG.	HARD RUBBER	PROTOTYPE	EA.	24	36
37	WB0189PA	.55 X 1.89 X 1.25" LG. DUST PLUG	PILE W/ FIN	ULTRA FAB	EA.	2	2
38	WB0075PA	.55 X 0.75 X 1.25" LG. DUST PLUG	PILE W/ FIN	ULTRA FAB	EA.	2	2
39	VB008PGB	MOVING PANEL GUIDE	POLYETHYLENE	UNITED PLASTICS	FT.	AR	AR
40	VB021BBL	SETTING BLOCK 5/16" X 11/16" X 2" LG.	NEOPRENE	GLAZING RUBBER PRODUCTS	EA.	4	6
41	VB009BBL	DOOR BUMPER X 4-3/4" LG (PVC)	PVC	PROTOTYPE PLASTICS	EA.	1	1
42	SB001FCO	FOAM PLUG, CLOSED CELL, 1-1/4" X 2-1/4" X 1-1/2" (HEAD)	NEOPRENE	SECON RUBBER	EA.	1	2
43	SB002FOA	FOAM BAFFLE, OPEN CELL, 5/8" SQUARE X 2" PSA ONE SIDE	30 PPI FOAM	SECON RUBBER	EA.	4	4
44	SB003FCA	FOAM PLUG, CLOSED CELL, 1-3/4" SQ. X 1/2" W/ PSA ONE SIDE	SPONGE	SECON RUBBER	EA.	2	0
45	SB004SCL	SEALANT, NARROW JOINT	ACRYLIC	PECORA 896-SSL OR EQUAL	OZ.	AR	AR
46	SB005S00	SEALANT, SILICONE	SILICONE	DOW 795 OR EQUAL	OZ.	AR	AR
47	SB006SBL	SEALANT, STRUCTURAL SILICONE	SILICONE	DOW 995 OR EQUAL	OZ.	AR	AR
48	SB007S01	SEALANT, GASKET, BLACK	ACRYLIC	PECORA 896-SSL OR EQUAL	OZ.	AR	AR
51							
52	HB006SCC	SNAP ON SCREW COVER CAP	PLASTIC	OUTWATER PLASTICS	EA.	AR	AR
53	VB031BBL	GLAZING SHIM 1/16" X 1" X 1"	EPDM	GLAZING RUBBER PRODUCTS	EA.	20	30

AR = AS REQUIRED, QUANTITIES BY DOOR SIZE



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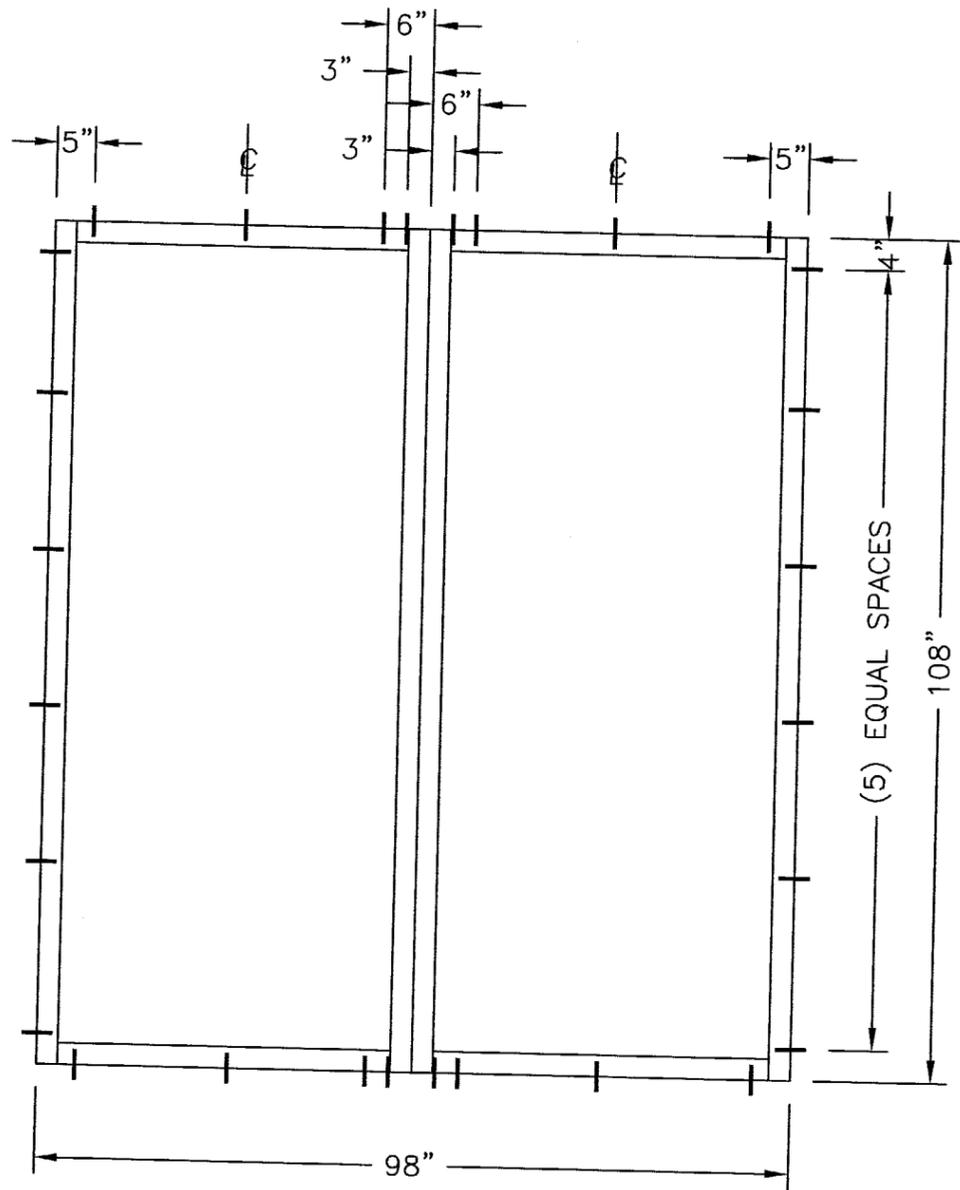
LARGE MISSILE IMPACT RESISTANT
 SLIDING GLASS DOOR

Scale: 1/2" = 1"
 Date: 8/27/02
 Drawn: JU
 Checked: ECV
 1 5/9/03
 Date
 Rev.
 Added Sheet 5, Anchoring Details
 Revision Notes

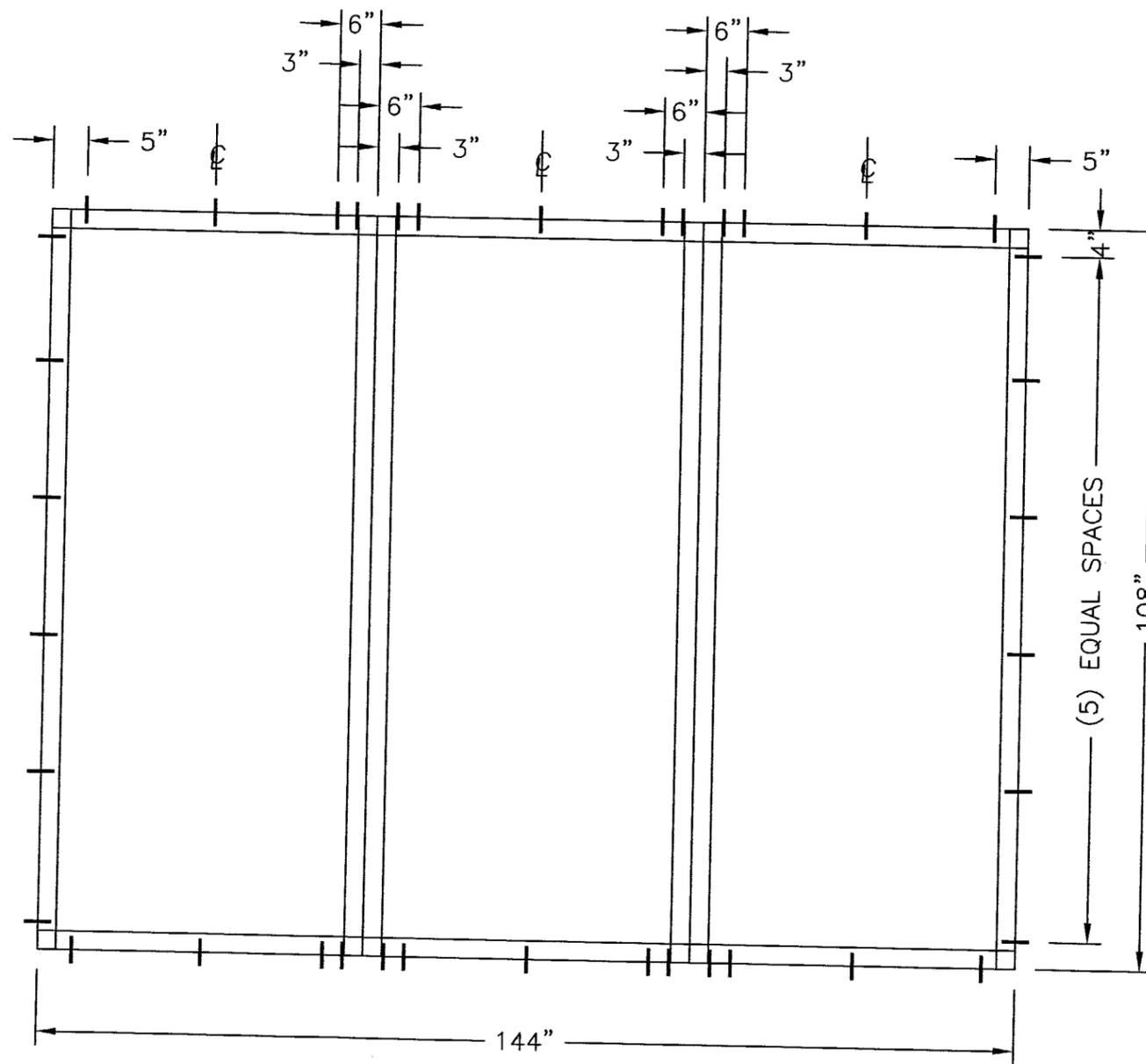
Approved as complying with the Florida Building Code
 Date 07/13/03
 NOA# 03-0514.09
 Miami Dade Product Control Division
 By: *Chadon Berwan*

ITEM: DIES/B.O.M.
 FILE#: SGD-DC-LMI-04
 SHEET#: 4 OF 5

ALL VIEWS FROM THE EXTERIOR



XO (OX) OPTION



OXO OPTION

ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
CONCRETE	1/4" DIA TAPCON WITH 1-1/2" EMBEDMENT
STEEL (16 GA MIN.)	#14 SHEET METAL SCREW
WOOD 1 X	1/4" DIA TAPCON WITH 1-1/2" EMBEDMENT
WOOD 2 X	#14 WOOD SCREW WITH 1-1/2" EMBEDMENT

NOTES:

- ALL ANCHORS ARE DOUBLE ROW.

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 SLIDING GLASS DOOR

Scale: 1/2"=1"
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Rev.	Date	Revision Notes
1	5/9/03	ADDED SHEET 5, ANCHORING DETAILS

Approved as complying with the
 Florida Building Code
 Date 03/12/03
 NOAR 03-0514-09
 Miami Dade Product Control
 Division
 By: *Clayton Bennett*

ITEM: ELEVATIONS/NOTES

FILE#: SGD-DC-LMI-01

SHEET#: 5 OF 5