



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Naturalite Skylight Systems
803 Airport Road
Terrell, TX 75088

Your application for Notice of Acceptance (NOA) of:

Naturalite BMS-3000HR (LM) Skylight System

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-0912.04
EXPIRES: 03/22/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 03/22/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This approves a 9/16" Laminated Glass and Aluminum Extrusions Skylight System, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This 9/16" Laminated Glass and Aluminum Extrusions Skylight System and its components shall be constructed in strict compliance with the following documents: Drawing No. E, titled "BMS-3000 HR Large Missile Testing", prepared by David S. Barron, P.E., last revised on February 1, 1999, sheets 1 through 12 of 12, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components must be protected against corrosion, contamination and damage at all times. This 9/16" Laminated Glass and Aluminum Extrusions Skylight System is tested and approved for large missile impact. It **will not** require a hurricane protection system.

4. INSTALLATION

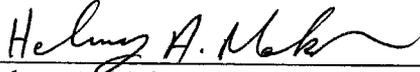
This 9/16" Laminated Glass and Aluminum Extrusions Skylight System must be installed in strict compliance with the approved drawings.

5. LABELING

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

BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
 - 6.1.1 This Notice of Acceptance.
 - 6.1.2 Duplicate copies of the approved drawings, as indicated in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Helmy A. Makar, P.E. - Product Control Examiner
Product Control Division

NOTICE OF ACCEPTANCE : STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance consists of pages 1, 2, and this last page 3.

END OF THIS ACCEPTANCE



Helmy A. Makar, P.E. - Product Control Examiner
Product Control Division

FRAMING NOTES:

- ① 1/16" KORDLATH ISOLATOR (MIN) AND KORDLATH SHIMS AS REQ'D
- ③ 1/8" CONTINUOUS ALUMINUM ANGLE.
- ④ FORMED ALUMINUM FLASHING, LAP 3' MIN. & BED SEAL w/ (B) (EXTERIOR)
- ⑤ FORMED ALUMINUM FLASHING (MISCELLANEDOUS EXTERIOR)
- ⑨ 1/4" DIAMETER WEEP HOLES
- ⑩ OPEN CELL RETICULATED FOAM BAFFLE

WORKPOINT

FASTENER ABBREVIATIONS

SIZE	LENGTH	HEAD	TYPE	MATERIAL
#8		FLAT	A POINT SMS	ALUMINUM
#10		PAN	B POINT TAPPING	CAD PLATED STEEL
#14		HEX	AB POINT	STAINLESS STEEL
#17		TRUSS	CAP SCREW	STAINLESS STEEL
3/8"		ROUND	MACHINE SCREW	GRADE 5
1/2"		SOCKET	LAG BOLT	GRADE 2
1 1/32"		TORX	IEKS SCREW	ZINC PLATED STEEL
			FLAT WASHER	
			LOCK WASHER	
			HEX NUT	
			RIVNUT	
			BUTTON HEAD	

EXAMPLE: #10 x 3/4" PAS = PAN HEAD, A POINT, SHEET METAL SCREW, STAINLESS STEEL.

NOTE: ALL HEX HEAD GLAZING CAP FASTENERS TO HAVE STAINLESS STEEL/EPDM FLAT WASHERS. ALL EXPOSED FASTENERS TO BE COLORED TO MATCH.

CONCRETE/MASONRY ANCHORS

SA	SLEEVE ANCHOR (w/ FWS, LWS, & HNC)
HVA	HILTI ADHESIVE ANCHOR (w/ FWS, LWS, & HND)
SB	STUD BOLT (w/ FWS, LWS, & HNC)
HIT	HILTI RENOVATION ANCHOR (w/ FWS, LWS, & HNC)
HKC	HILTI KWIK CON II
HKB	HILTI KWIK BOLT II

SEALANTS AND TAPES

- (A)
- (B) DOW CORNING 795 COLOR: GRAY
- (C) SEALANT (B) W/ BACKER ROD
- (D)
- (E) DOW CORNING 795 (BLACK)
- (F)
- (P) DOW #1200 PRIMER OR EQUAL

**BMS - 3000 HR
LARGE MISSILE TESTING**

RECEIVED
 2001 MAR -6 AM 11:02
 BUILDING CODE COMPLIANCE
 ADMINISTRATIVE DIVISION

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: 03/22/2001
 BY: *Harvey A. Barron*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0912.04

GENERAL NOTES:

1. MAXIMUM DESIGN PRESSURES ARE + 60PSF & -60PSF FOR PA 201, 202 & 203.
2. BITUMINOUS PAINT/ZINC CHROMATE OR AN EQUAL SEPERATION MATERIAL IS REQUIRED WHEN ALUMINUM COMES IN CONTACT WITH STEEL OR WOOD OR OTHER DISSIMILAR MATERIALS.
3. THIS SKYLIGHT SYSTEM IS TESTED FOR LARGE MISSILE IMPACT.
4. THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 9/16" LAMINATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND PURLINS AND THE MAXIMUM QUALIFIED DESIGN PRESSURE SHOWN ON THESE DRAWINGS.
5. THIS GLASS TESTED WAS 9/16" LAMINATED GLASS (1/4" HEAT STRENGTHENED GLASS, .090 DUPONT SGP INTERLAYER AND 1/4" HEAT STRENGTHENED GLASS). THE INTERLAYER IS DUPONT SGP (DADE COUNTY PRODUCT APPROVAL NUMBER 98-0608.03). THE GLASS WAS BY VIRACON, INC.
6. THE STRUCTURAL ADEQUACY OF THE SUPPORTING STRUCTURAL STEEL MEMBERS (CURBS, RAFTERS, PURLINS, AND ALL OTHER FRAMING MEMBERS) IS NOT PART OF THIS APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
7. ALL ALUMINUM EXTRUSIONS WERE OF THE ALLOY AND TEMPER AS NOTED IN THE SUPPORTING CALCULATIONS.

ENCLOSURE(S) TO SUPPORT THE FOLLOWING LOADS:

- 1) +60 PSF WIND LOAD + 8 PSF DEAD LOAD
- 2) -60 PSF WIND LOAD + 8 PSF DEAD LOAD

GLAZING NOTES:

- ② SILICONE COMPATIBLE SETTING BLOCK (80 DUR + 5). LOCATE OUTSIDE EDGE 9" MAXIMUM LEFT & RIGHT OF RAFTER CENTERLINE.
- ③ EPDM EDGE BLOCK (60 DUR + 5). LOCATE 1'-0" MAXIMUM LEFT & RIGHT OF PURLIN CENTERLINE & 1'-0" ABOVE SILL.
- ④ DENSE EPDM GLAZING GASKET (60 DUR + 5)
- ⑦ OPEN CELL FOAM BACKER ROD

ERECTOR/INSTALLER NOTE:

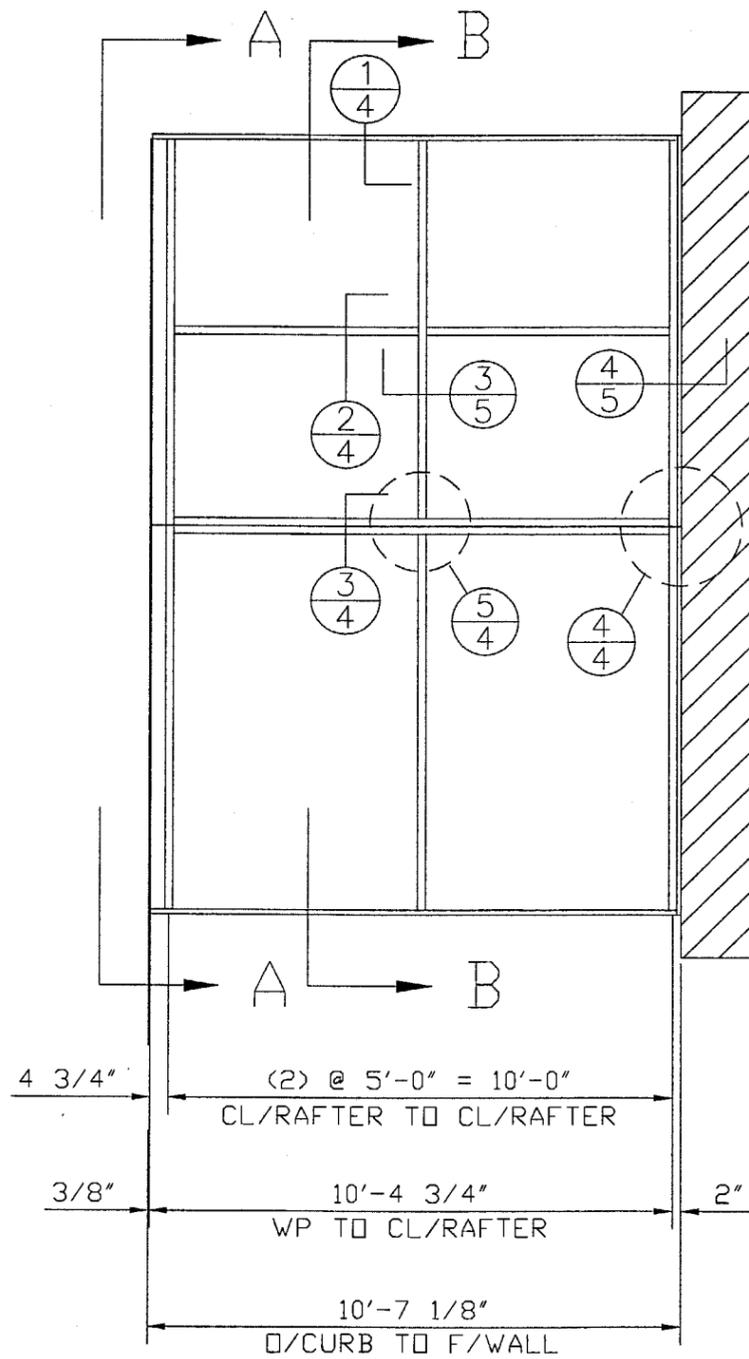
SKYLIGHT IS TO BE INSTALLED LEVEL & PROPERLY ALIGNED. OVERALL WORKPOINT DIMENSIONS ARE TO BE HELD AS SHOWN, TO ENSURE PROPER FIT AND FUNCTION OF THE UNIT.

David S Barron
2-14-01

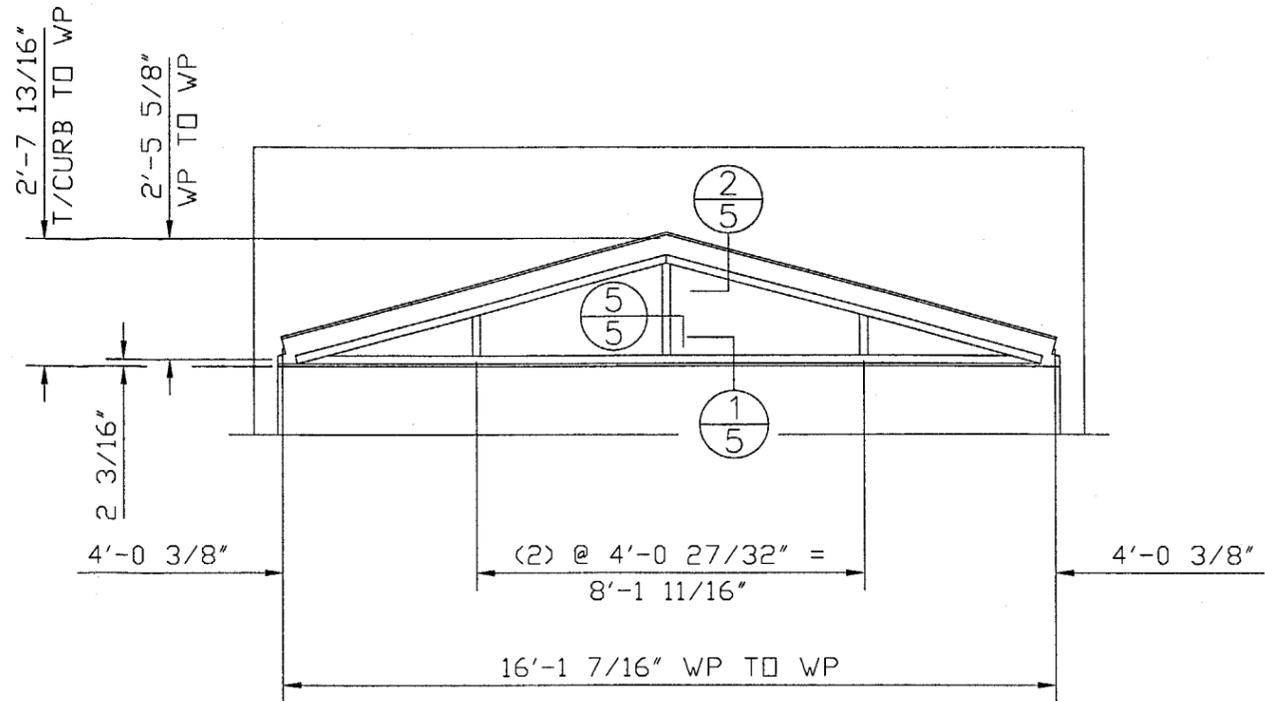
DAVID S. BARRON
 337 C-1 HARVEY AVE.
 GREENSBURG, PA. 15601
 1-724-838-1524
 STATE OF FLORIDA REGISTERED ENGINEER
 NO. 0036374

REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 750 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6400 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR	JOB NAME	JOB NUMBER
			5/29/97	1ST. SUBMISSION				2/1/99	TESTING			REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	PLOT NO.	BMS - 3000 HR: LARGE MISSILE TESTING
			8/7/97	ERECTION							MANUAL COMP.	CUSTOMER		
			8/25/97	RECORD							ERECTION	DATE	CONTRACTOR	DRAWING NO.
			5/18/97	RECORD							CHECKED	DATE	ARCH/ENGR	E1 OF 12
													TITLE SHEET	

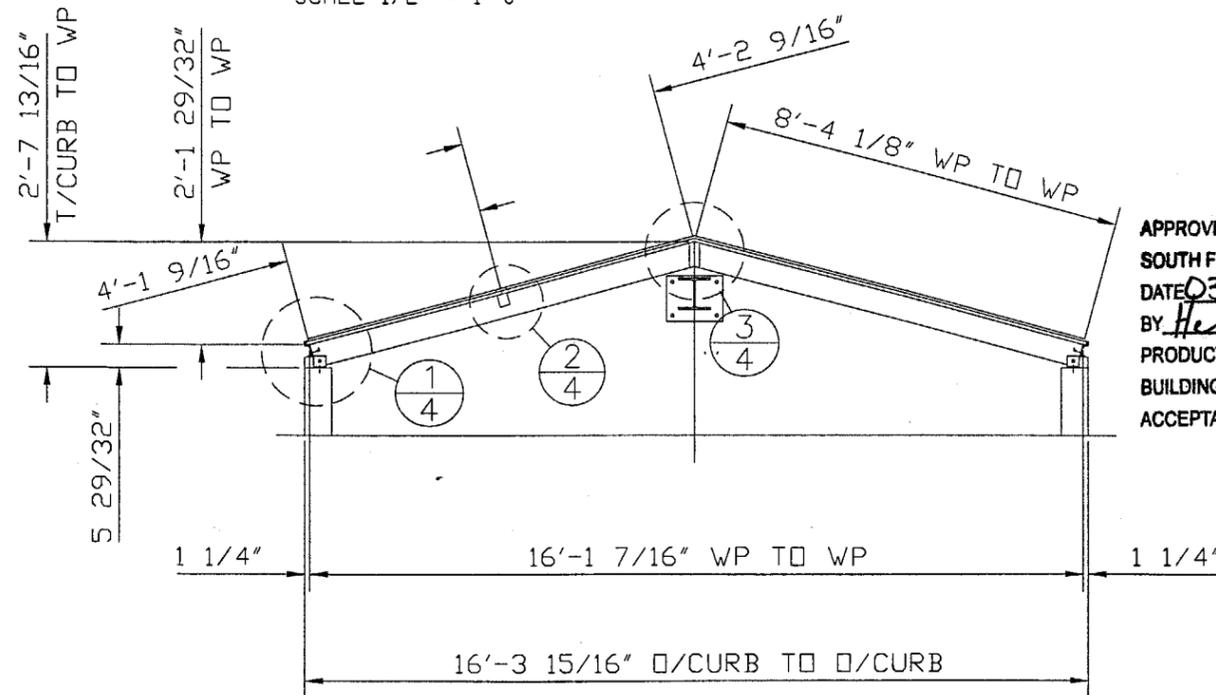
PA 202-94 MOCK-UP TEST



PLAN VIEW OF SKYLIGHT UNIT #1
SCALE 1/2" = 1'-0"
ONE (1) REQD.



ELEVATION 'A-A' OF SKYLIGHT
SCALE 1/2" = 1'-0"



SECTION 'B-B' OF SKYLIGHT
SCALE 1/2" = 1'-0"

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heidi A. Miller*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-091204

David Stamm
2-14-01

REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE
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			8/7/97	ERECTION					
			8/25/97	RECORD					
			2/1/99	TESTING					

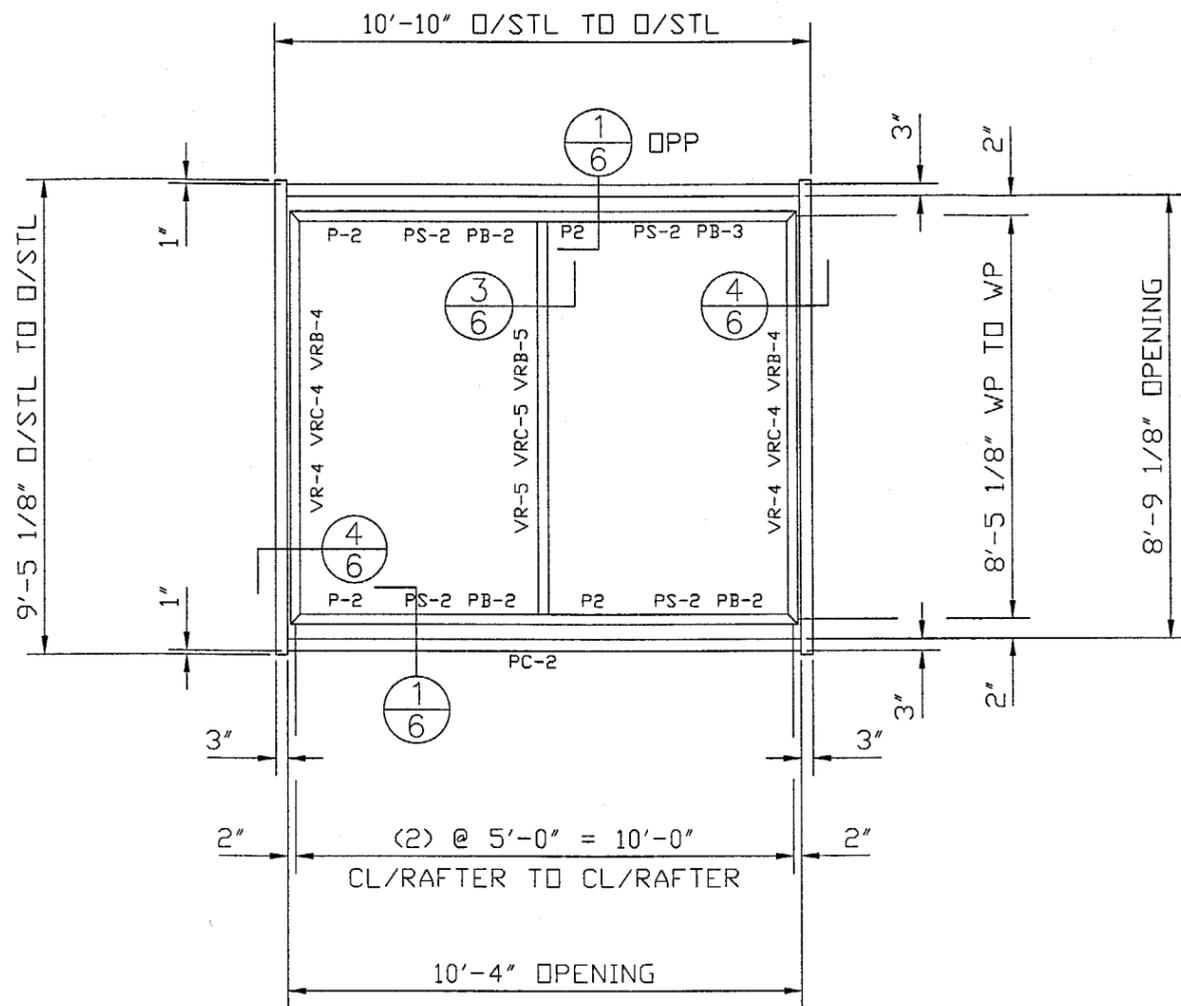
ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED

REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES

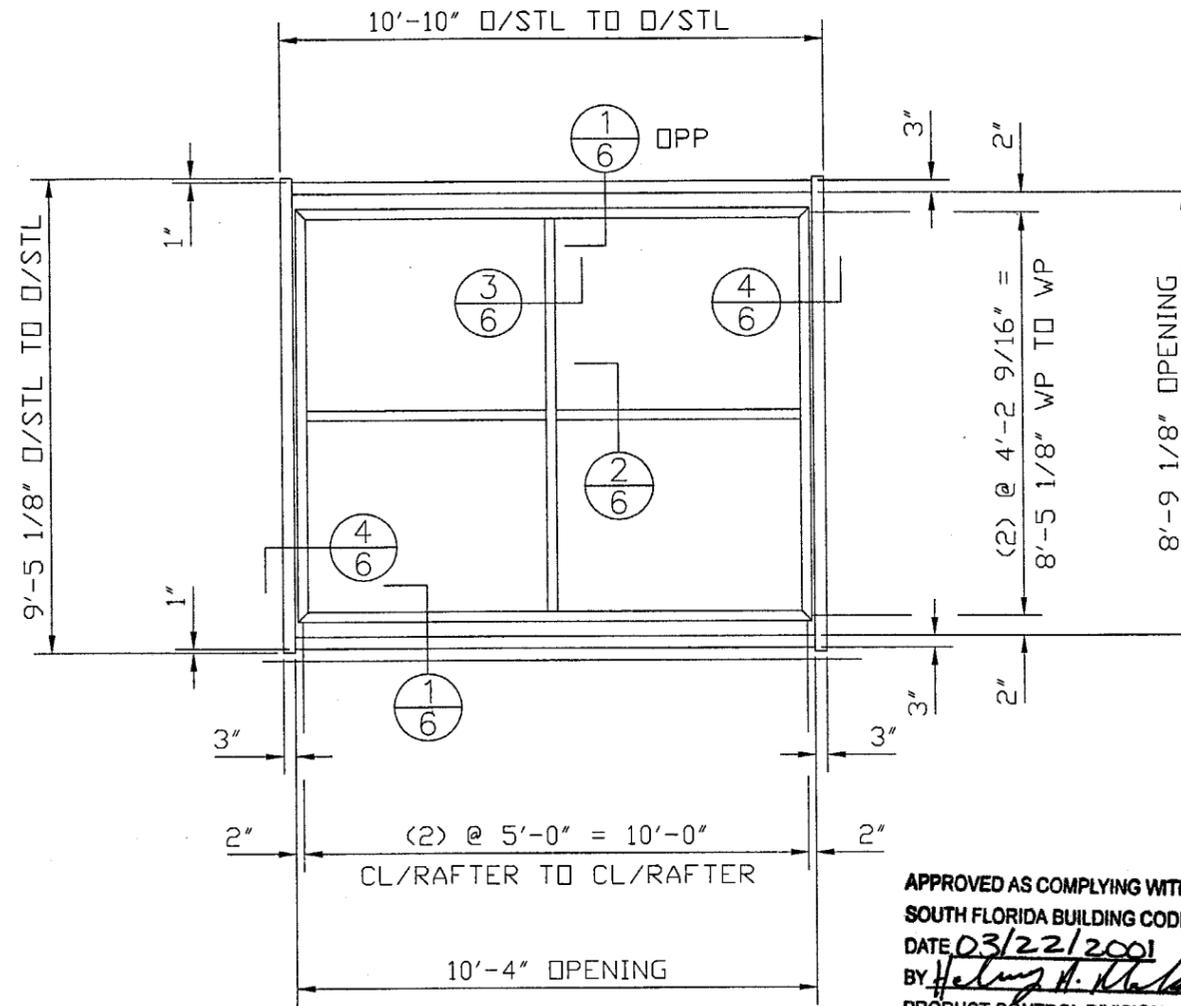
NATURALITE
SKYLIGHT SYSTEMS
750 AIRPORT ROAD
P.O. BOX 629
TERRELL, TEXAS 75160
1-972-551-6400
A DIVISION OF BUTLER MANUFACTURING COMPANY

PLOT FACTOR	JOB NAME BMS - 3000 HR LARGE MISSLE TESTING	JOB NUMBER
PLOT NO.	LOCATION DADE COUNTY, FL.	EF-8373
MANUAL COMP.	CUSTOMER	DRAWING NO.
ERECTION	CONTRACTOR	E2 OF 12
CHECKED	ARCH/ENGR	
DATE	TITLE PLAN, ELEVATION & SECTION	

PA 201 & 203-94 LARGE MISSILE IMPACT & CYCLIC TEST BUCK



ELEVATION OF SKYLIGHT UNIT #2
SCALE 1/2" = 1'-0" TWO (2) REQD.



ELEVATION OF SKYLIGHT UNIT #3
SCALE 1/2" = 1'-0" TWO (2) REQD.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heather H. [Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912-04

David S. [Signature]
2-14-01

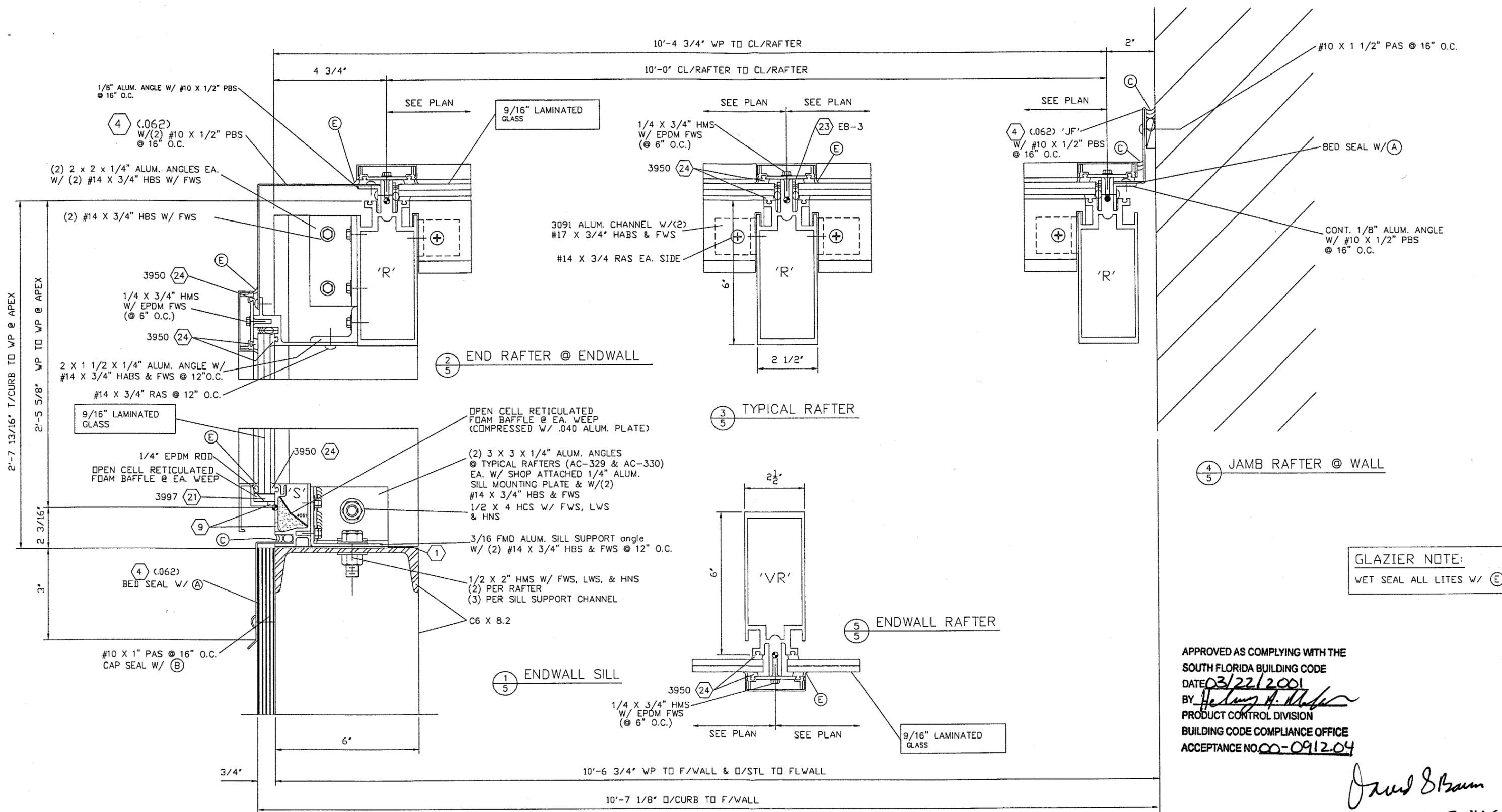
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			5/29/97	IST. SUBMISSION					
			8/7/97	ERECTION					
			8/25/97	RECORD					
			2/1/99	TESTING					

ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED

REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES

NATURALITE
SKYLIGHT SYSTEMS
750 AIRPORT ROAD
P.O. BOX 629
TERRELL, TEXAS 75160
1-972-551-6400
A DIVISION OF BUTLER MANUFACTURING COMPANY

PLOT FACTOR		JOB NAME BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER	
PLOT NO.		LOCATION DADE COUNTY, FL.		EF-8373	
MANUAL COMP.		CUSTOMER		DRAWING NO.	
ERECTION	DATE	CONTRACTOR		E3 OF 12	
CHECKED	DATE	ARCH/ENGR		TITLE ELEVATIONS	



GLAZIER NOTE:
WET SEAL ALL LITES W/ (E)

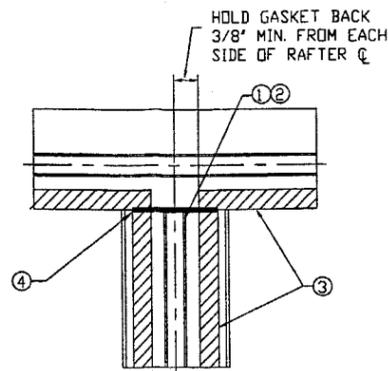
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heather H. ...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.04

David Braun
2-14-01

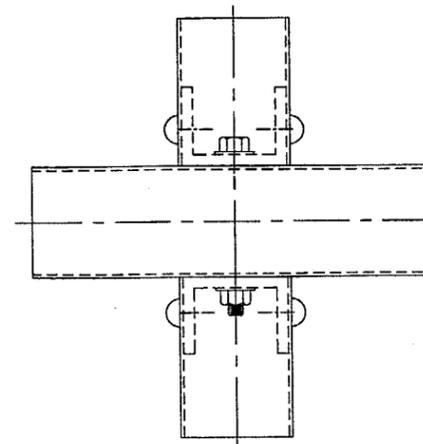
REVISIONS	DETAILER	DATE	DRAWINGS ISSUED USE	REVISIONS	DETAILER	DATE	DRAWINGS ISSUED USE	ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE/EPI SKYLIGHT SYSTEMS 750 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-214-551-6400 <small>A DIVISION OF BUTLER MANUFACTURING COMPANY</small>	PLOT FACTOR		JOB NAME	JOB NUMBER
		5/29/97	1ST. SUBMISSION							MANUAL COMP.	BMS 3000 HR LARGE MISSILE TESTING	EF-8373	
		8/7/97	ERECTION							ERECTOR	LOCATION DADE COUNTY, FL.		
		2/1/99	TESTING							CUSTOMER			
								CONTRACTOR					
								ARCH/ENGR					
								TITLE DETAILS		E5 of 12			

ERECTION & GLAZING NOTES:

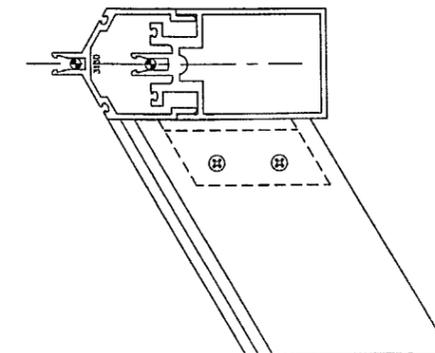
- 1.) SEAL ALL RAFTERS TO HIPS, RIDGES & COMP RINGS W/ (B) SEALANT
- 2.) ALL METAL TO METAL CONNECTIONS TO BE CLEANED W/ SOLVENT PRIMED & SEALED W/ (B) SEALANT
- 3.) GASKETS ON ALL FRAMING TO BE FIELD INSTALLED & COMPRESSED APPROX. 1/8" PER FOOT
- 4.) BUTT SEAL ALL GASKET INTERSECTIONS W/ (A) SEALANT



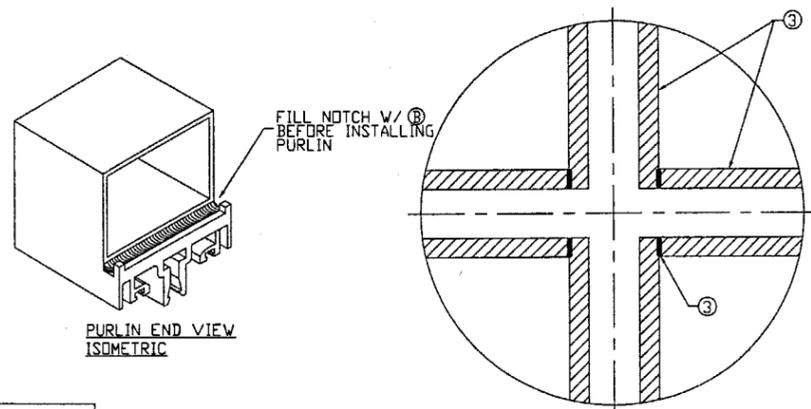
RAFTER TO RIDGE



RAFTER/RIDGE INTERSECTION



SECT. OF RAFTER TO RIDGE

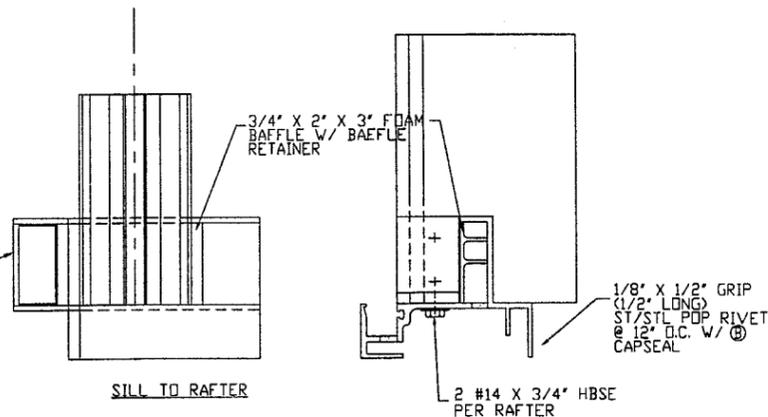


PURLIN END VIEW ISOMETRIC

TYPICAL GASKET INTERSECTION

ERECTOR NOTE:

CLEAN AND PRIME NOTCH AT END OF PURLINS PRIOR TO RUNNING A BEAD OF (B) SEALANT THROUGH NOTCH.



SILL TO RAFTER

'DA-3000' CLEAN SILL & ANGLE W/ SOLVENT, TAPE ANGLE TO SILL W/ V2030 TAPE, PRIME AREAS TO BE SEALED (ALLOW PRIMER TO DRY) W/ DOW 795 LOCATE AT JAMBS & 3 1/2\"/>

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE 03/22/2001

BY *Heung A. Makin*

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 00-0912-04

David D. Baum

2-14-01

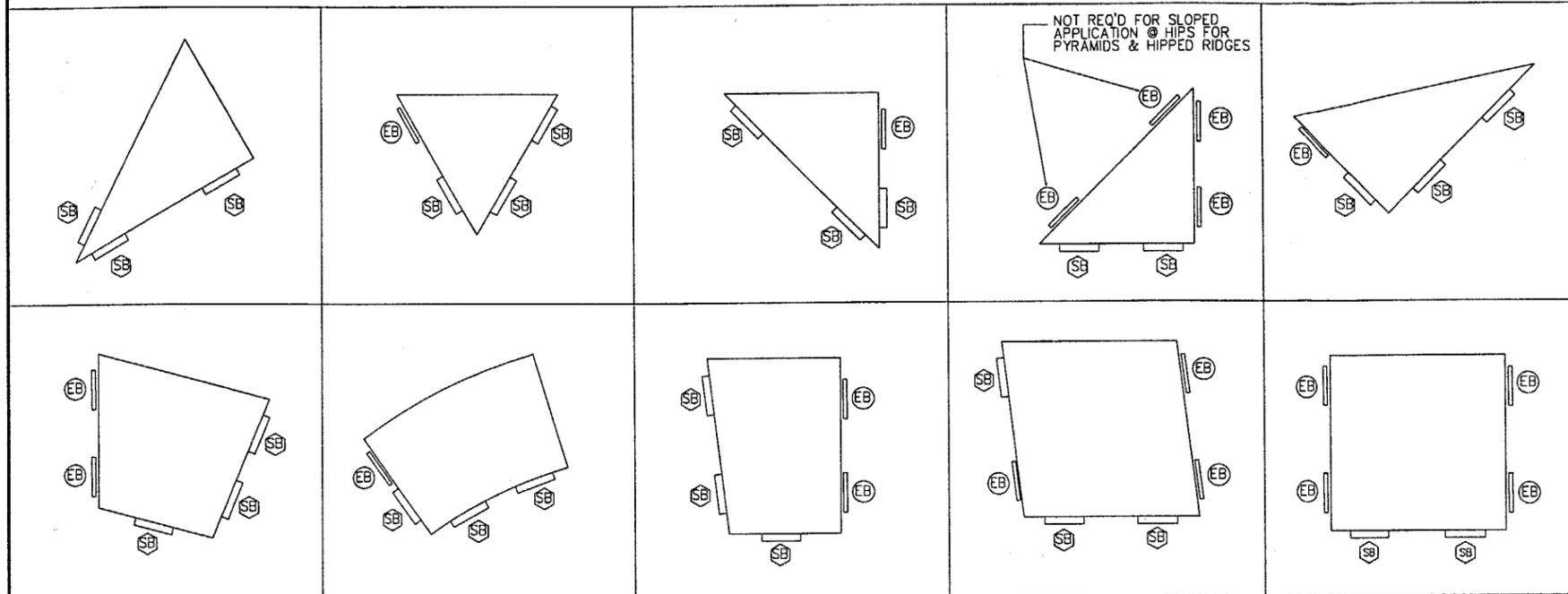
REVISIONS	DATE	ISSUED USE	REVISIONS	DATE	ISSUED USE	ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR	JOB NAME	JOB NUMBER
	2/1/99	TESTING						REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	PLOT NO. MANUAL COMP. ERECTION DATE CHECKED DATE	BMS - 3000 HR LARGE MISSILE TESTING LOCATION DADE COUNTY, FL. CUSTOMER CONTRACTOR ARCH/ENGR

PROPER GLASS BLOCKING TECHNIQUES

PLEASE FOLLOW THE PROPER BLOCKING TECHNIQUES FOR SETTING & EDGE BLOCKS SHOWN HERE. ALL LITES ARE SHOWN IN TRUE ELEVATION. DO NOT BLOCK GLASS TIGHT, GLASS SHOULD BE FREE TO FLOAT IN THE OPENING, THESE BLOCKING TECHNIQUES DO NOT APPLY TO ENTRANCE DOORS, OPERABLE WINDOWS OR VENTS.

LEGEND

- SB = SETTING BLOCK
SHORE 'A' DUROMETER OF 85 : 5
- EB = EDGE BLOCK
SHORE 'A' DUROMETER OF 50 : 5

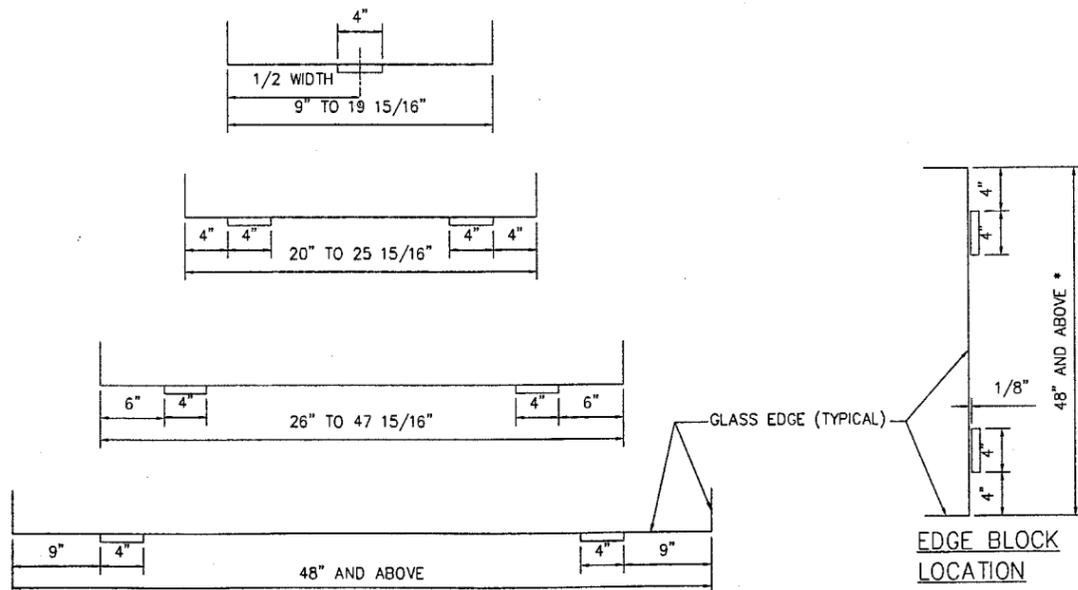


SETTING BLOCK NOTES:

1. NO BLOCKS SHALL BE LESS THAN 4" IN LENGTH
2. SETTING BLOCKS SHALL BE POSITIONED WITH BEVELED EDGE DOWN REFER TO APPLICABLE DETAIL
3. FOR ALL GLASS TYPES REGARDLESS OF APPLICATION, THE SETTING BLOCK MUST SUPPORT A MIN. OF ONE HALF THE THICKNESS OF THE OUTBOARD LITE

ERECTOR NOTE:

DO NOT WALK ON GLASS. GLASS IS NOT DESIGNED TO SUPPORT CONCENTRATED LOADS



SETTING BLOCK LOCATIONS

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heung H. Mak*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.04

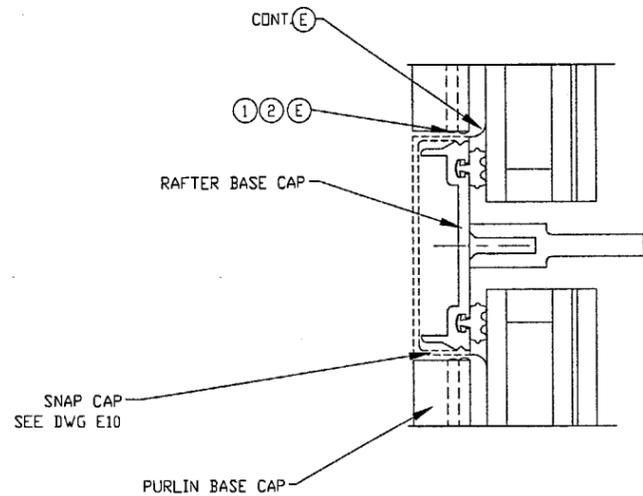
David Stamm
2-14-01

REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR	JOB NAME.	BMS - 3000 HR LARGE MISSILE TESTING	JOB NUMBER
			2/1/99	TESTING								PLOT NO.	LOCATION.	DADE COUNTY, FL.	EF-8373
												MANUAL COMP.	CUSTOMER.		DRAWING NO.
												ERECTOR	DATE	CONTRACTOR.	E8 of 12
										CHECKED	DATE	ARCH/ENGR.			
												TITLE	GLASS BLOCKING & SEALANT EXPIRATION GUIDE		

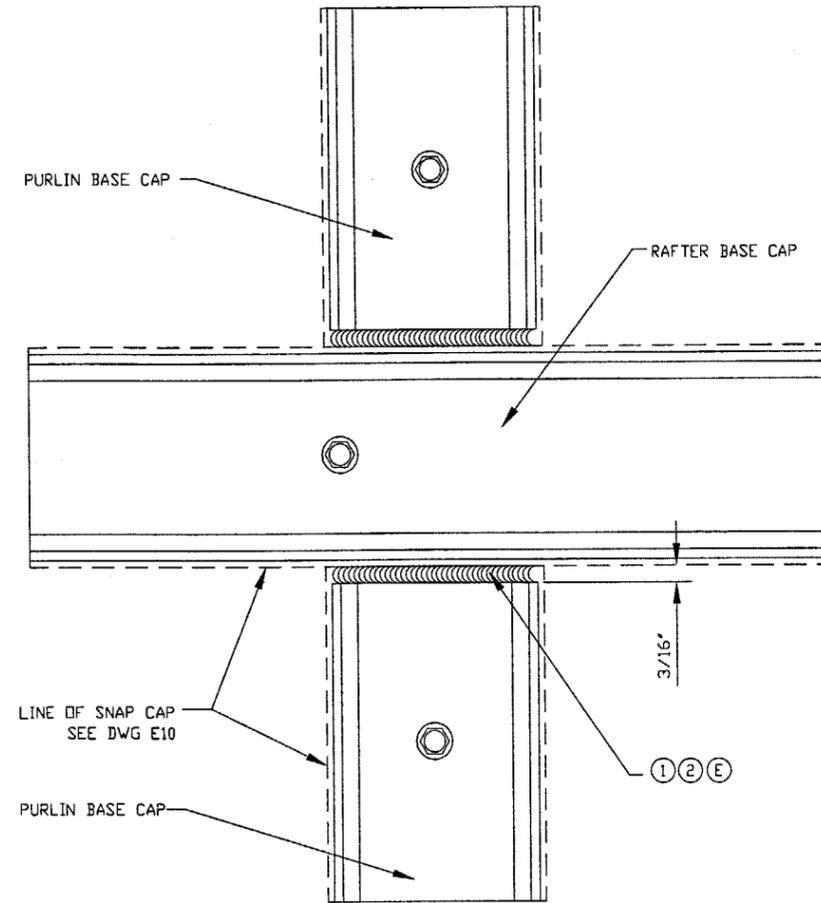
GLAZING PROCEDURES

ALWAYS CLEAN CAP ENDS W/SOLVENT &
PRIME W/ PRIMER BEFORE BEFORE INSTALLING

- 1 CLEAN, PRIME, & INSTALL CAPS, PLACE A BEAD OF E SEALANT BETWEEN CAPS AS SHOWN.
- 2 INSTALL SNAP CAPS @ THRU CAPS, PLACE A BEAD OF SEALANT BETWEEN SNAP CAP & THRU CAP & BASE CAP OF INTERSECTING CAP
- 3 AFTER INSTALLING BASE & SNAP CAPS @ THRU CAPS, CENTER REMAINING BASE CAPS IN OPENINGS



SECTION THRU
RAFTER BASE CAP /SNAP-ON

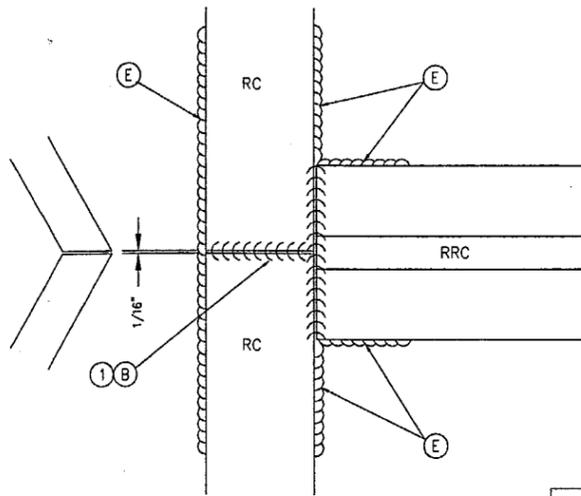


DETAIL 1
TYPICAL BASE CAP INTERSECTION

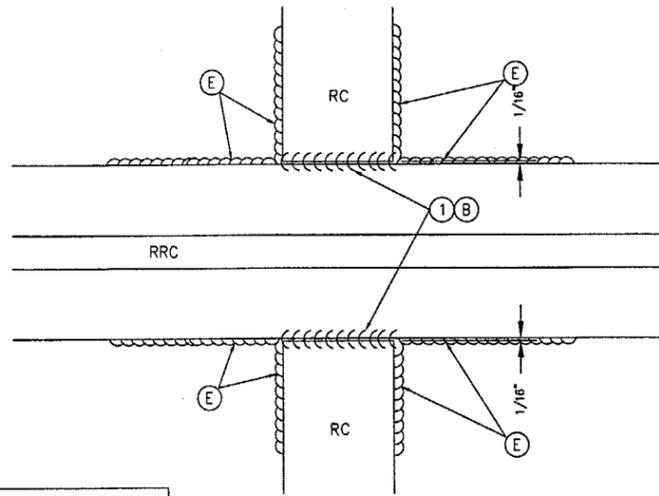
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heather H. Walker*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912-04

David Strauss
2-14-01

REVISIONS	DATE	ISSUED FOR	REVISIONS	DATE	ISSUED FOR	ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR	JOB NAME	JOB NUMBER
	2/1/99	TESTING						REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	PLOT NO. MANUAL COMP. ERECTION DATE CHECKED DATE	BMS - 3000 HR LARGE MISSILE TESTING LOCATION DADE COUNTY, FL. CUSTOMER CONTRACTOR ARCH/ENGR

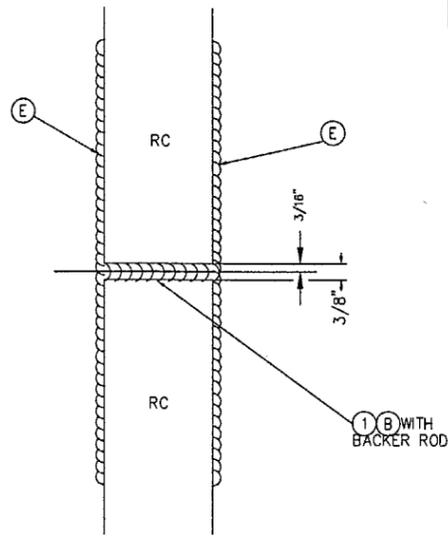


END RAFTER AND RIDGE CAP DETAIL

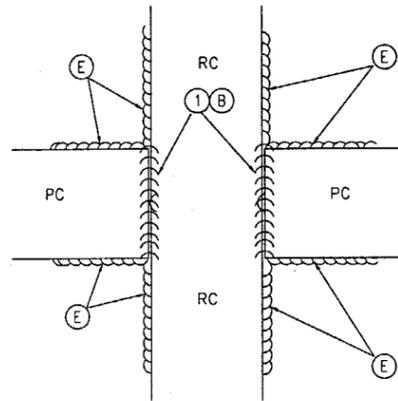


RAFTER AND RIDGE CAP DETAIL

GLAZIER NOTE:
PLACE A HEEL BEAD OF (E) SEALANT FROM GLASS TO CAP 4" LONG EACH DIRECTION, AS SHOWN.



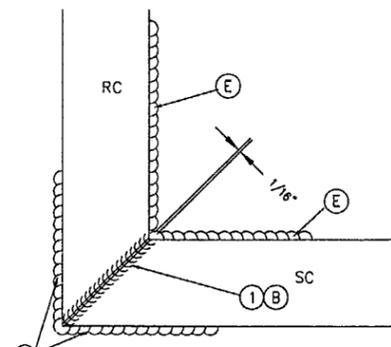
RAFTER CAPS AT EXPANSION JOINT



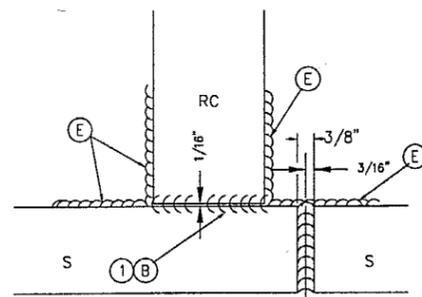
RAFTER AND PURLIN CAP DETAIL

GLAZIER NOTE:
APPLYING TAPE OVER THE CAPS BEFORE CAULKING MAY MAKE A NEATER BRIDGE CAULK JOINT.

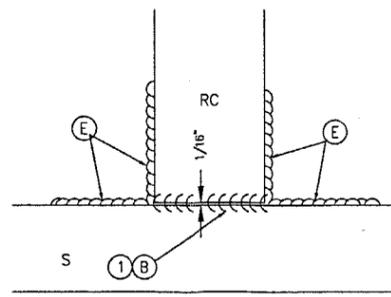
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Heather H. Miller*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912-04



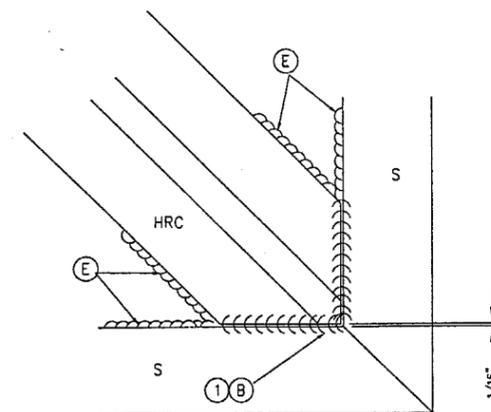
RAFTER AND SILL CAP DETAIL AT CORNER



RAFTER CAP AT SILL SPLICE



RAFTER CAP AND SILL DETAIL



HIP RAFTER CAP AND SILL DETAIL AT CORNER

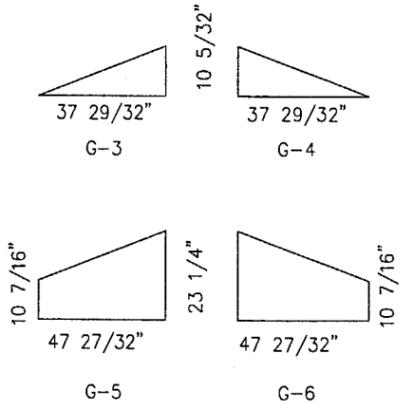
GLAZING PROCEDURES:
ALWAYS CLEAN CAP ENDS WITH SOLVENT AND PRIME WITH PRIMER BEFORE INSTALLING
① CLEAN, PRIME AND INSTALL CAPS AND PLACE A BEAD OF (E) SEALANT BETWEEN CAPS AS SHOWN.
② SEE STRUCTURAL GLAZING GUIDE FOR INSTRUCTIONS BEFORE APPLYING (E) SEALANT TO JOINT.

David Shum
2-14-01

REVISIONS		DETAILER	BV	DRAWINGS ISSUED		REVISIONS		DETAILER	BV	DRAWINGS ISSUED		ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR		JOB NAME		JOB NUMBER
ERECTION GUIDE				DATE	USE					DATE	USE					LOCATION		
				2/1/99	TESTING										BMS - 3000 HR LARGE MISSILE TESTING		EF-8373	
															DADE COUNTY, FL.			
															CUSTOMER			
															CONTRACTOR		DRAWING NO.	
															ARCH/ENGR		E10 of 12	
															TITLE		HIP / RIDGE GLAZING GUIDE	

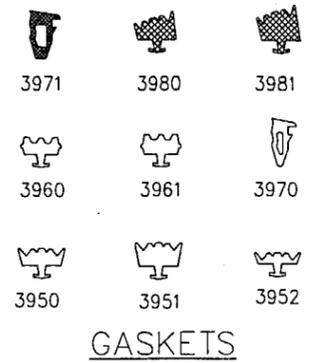
GLAZING

UNIT NO.	PANEL NO.	QUANTITY	SIZE IN INCHES WIDTH x HEIGHT
1	G-1	2	59" x 100"
1	G-2	4	59" x 49 7/16"
1	G-3	ONE	SEE PATTERN
1	G-4	ONE	
1	G-5	ONE	
1	G-6	ONE	
2	G-7	4	59" x 100"
3	G-8	8	59" x 49 7/16"

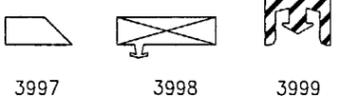


GLAZING GASKETS & BLOCKS

UNIT NO.	ITEM	DIE NO.	QUANTITY
	SETTING BLOCK	3997	52
	EDGE BLOCK	1/8 x 1 1/4 x 4	88
		1/4" EPDM ROD	404'



GASKETS

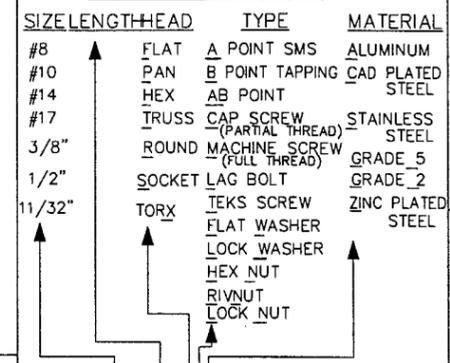


GLAZING BLOCKS

SEALANTS & MISCELLANEOUS SUPPLIES

QUANTITY	DESCRIPTION	FINISH	QUANTITY
15 TUBES	DOW 795	(B) ALUM. GRAY	
6 TUBES	DOW 795	(E) BLACK	
1 QT.	DOW 1200	PRIMER	
225	3/8"Ø	OPEN CELL BACKER ROD	
7	3/4 x 3 x 2	OPEN CELL FOAM 10 PPI	
4	2 x 2 x 2	OPEN CELL FOAM 10 PPI	
7	BAFFLE RETAINER		

FASTENER ABBREVIATIONS



EXAMPLE #10 x 3/4" PAS = PAN HEAD, A POINT, SHEET METAL SCREW, STAINLESS STEEL.
NOTE: ALL HEX HEAD GLAZING CAP FASTENERS TO HAVE STAINLESS STEEL/EPDM FLAT WASHERS. ALL EXPOSED FASTENERS TO BE COLORED TO MATCH.

CONCRETE/MASONRY ANCHORS

- SA SLEEVE ANCHOR (w/ FWS, LWS, & HNC)
- HVA HILTI ADHESIVE ANCHOR (w/ FWS, LWS, & HNO)
- SB STUD BOLT (w/ FWS, LWS, & HNC)
- HIT HILTI RENOVATION ANCHOR (w/ FWS, LWS, & HNC)
- HKC HILTI KWIK CON II
- HKB HILTI KWIK BOLT II

SEALANTS AND TAPES

- (A) DOW CORNING 795 OR EQUAL
- (B) DOW CORNING 795 OR EQUAL COLOR:
- (C) SEALANT (B) W/ BACKER ROD
- (D) TREMCO 440 BLACK BUTYL TAPE 3/16" x 1/2" WIDE
- (E) DOW CORNING 795 OR EQUAL (BLACK)
- (F)
- (P) DOW #1200 PRIMER OR EQUAL

FIELD FASTENERS

UNIT NO.	DESCRIPTION	FINISH	QUANTITY
	1/2" x 2" HMS W/ FWS, LWS, & HNS	I	87
	1/2" x 4" HMS W/ FWS, LWS, & HNS	I	36
	1/8" x 1/4" GRIP S.S. POP-RIVET	M	230
	FS-236	M	455
	#14 x 3/4" HABSE	E	15
	#14 x 3/4" HABS W/ FWS	M	15
	#14 x 3/4" RAS	I	129
	#14 x 1" HABS W/ FWS	M	15
	#10 x 3/4" PAS	E	45
	#10 x 1 1/2" PAS	E	25
	#10 x 1 1/4" HTC	E	128

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 03/22/2001
BY *Helmut A. Bluhm*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0912.04

James Strain
2-14-01

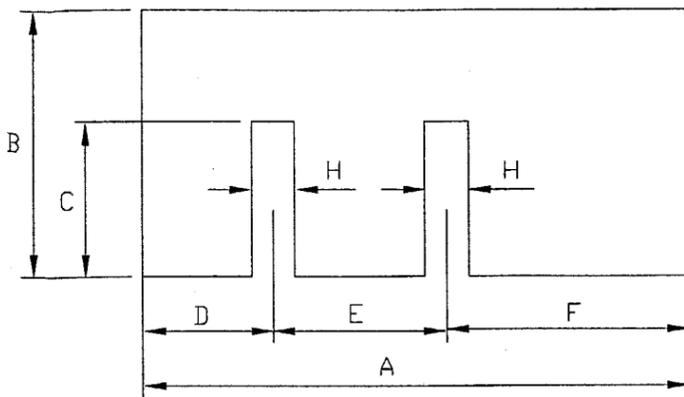
REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE	REVISIONS	DETAILER	BV	DRAWINGS ISSUED DATE	USE
			2/1/99	TESTING					

ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED
REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES

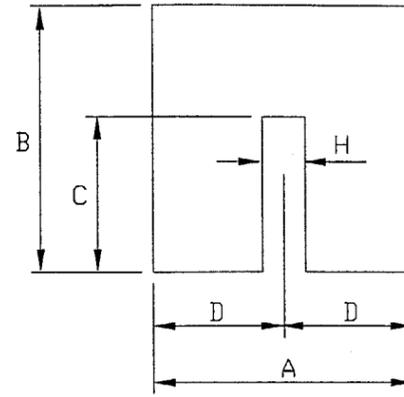
NATURALITE/EPI
SKYLIGHT SYSTEMS
750 AIRPORT ROAD
P.O. BOX 629
TERRELL, TEXAS 75160
1-972-551-6400
A DIVISION OF BUTLER MANUFACTURING COMPANY

PLOT FACTOR	JOB NAME	BMS - 3000 HR LARGE MISSLE TESTING	JOB NUMBER
	LOCATION	DADE COUNTY, FL.	EF-8373
	CUSTOMER		
	CONTRACTOR		
	ARCH/ENGR		
	TITLE		E11 of 12

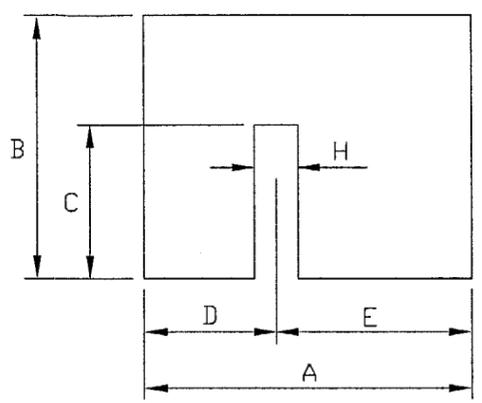
TYPE	MK. NO.	QUAN.	THK.	DIMENSIONS								REMARKS	
				A	B	C	D	E	F	G	H		
2	SK- 301	35	1/4"										USE @ AC-301 ALL UNITS & AC-321/ AC-322 UNIT #1
	SK- 302	35	1/8"	3"	3"	1 3/4"	1 1/4"	1 3/4"			9/16"		
	SK- 303	70	1/16"										
1	SK- 1	25	1/4"										USE @ JAMB RAFTER CLIPS AC-312 ALL UNITS
	SK- 2	25	1/8"	5"	3"	1 3/4"	1"	2 1/2"	1 1/2"		9/16"		
	SK- 3	50	1/16"										
3	SK- 4	15	1/4"										USE @ ENDWALL SILL UNITS #1
	SK- 5	15	1/8"	2"	4 1/2"	3 1/2"	1"				9/16"		
	SK- 6	30	1/16"										
	SK-		1/4"										
	SK-		1/8"										
	SK-		1/16"										
	SK-		1/4"										
	SK-		1/8"										
	SK-		1/16"										
	SK-		1/4"										
	SK-		1/8"										
	SK-		1/16"										
	SK-		1/4"										
	SK-		1/8"										
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	SK-		1/4"										
	SK-		1/8"										
	SK-		1/16"										



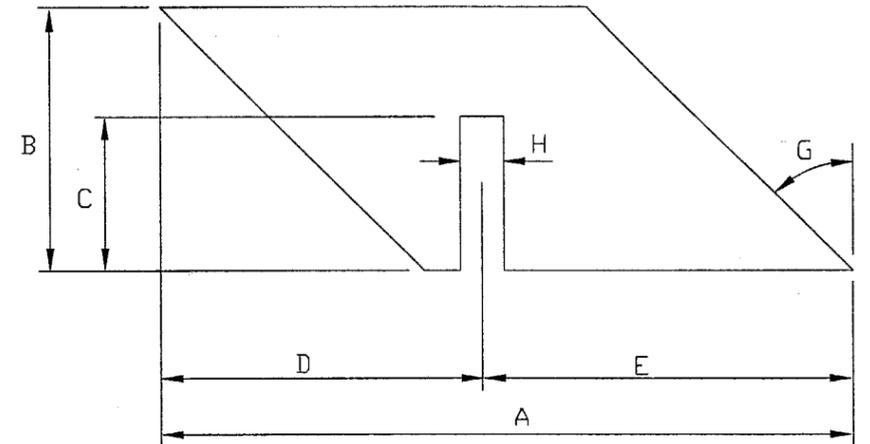
TYPE 1



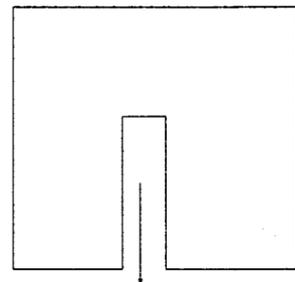
TYPE 3



TYPE 2

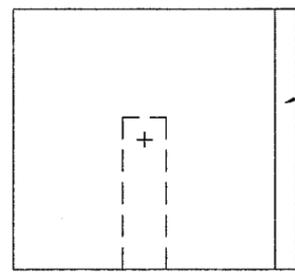


TYPE 4



ERECTOR NOTE:
MINIMUM REQUIRED PROFILE
FOR KOROLATH SHIMS
(ALUM. OR STEEL CAN BE USED
IF PROPERLY ISOLATED)

ERECTOR NOTE:
SHIM SHOULD BE POSITIONED
AS SHOWN TO GIVE FULL
SUPPORT TO CLIP



OUT LEG OF CLIP

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATED 3/22/2001
BY *Heung A. Huh*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 00-0912-04

James S. Baum
2-1401

REVISIONS	DETAILER	DATE	DRAWINGS ISSUED	REVISIONS	DETAILER	DATE	DRAWINGS ISSUED	ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR	JOB NAME	JOB NUMBER
			2/1/99 TESTING					REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES		PLOT NO.	BMS - 3000 HR LARGE MISSILE TESTING	EF-8373
									MANUAL COMP.	CUSTOMER		
									ERECTOR	DATE	CONTRACTOR	
									CHECKED	DATE	ARCH/ENGR	
											TITLE	E12 of 12