



**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)

**Wasco Products Inc.
22 Pioneer Ave.
Sanford, ME 04073**

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: Wasco Model GSHR Aluminum and PVC Skylight

APPROVAL DOCUMENT: Drawing Number HR2004 titled "Hurricane Resistant Wasco Sky window Skylights Model GSHR", sheets No 1 through 6 of 6, prepared by Wasco Products, Inc. dated 07/19/04 with last revision on 08/11/05 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 & Small Missile Impact

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 or MDCPCA", unless otherwise noted herein and the laminate shall be properly marked by the laminators of Saflex PVB, Old castle Glass Group.

RENEWAL of this NOA shall not 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, evidence page and approval document mentioned above
The submitted documentation was reviewed by **Candido F. Font, P.E.**

[Signature]
10/20/05



**NOA No. 04-0728.03
Expiration Date: October 20, 2010
Approval Date: October 20, 2005**

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. Drawing prepared by Wasco Products, Inc., titled "Hurricane Resistant Wasco Sky window Skylights Models GSHR", drawing number HR-2004, dated 07/19/04, with last revision "D" dated 08/11/05, sheet 1 through 6 of 6, signed and sealed by L. B. Murray, PE.

B. TEST REPORTS

1. Test report on Large Missile Impact Test, per TAS 202, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 201 on "Series/ Model: GSHR", prepared by Architectural Testing, report No. 48655.04-122-18, dated 07/20/04, signed and sealed by S. M. Urich, PE.
2. Test report on Large Missile Impact Test, per TAS 202, Cyclic Wind Pressure Test per TAS 203 and Uniform Static Air Pressure Test per TAS 201 on "Series/ Model: EFHR", prepared by Architectural Testing, report No. 48653.04-122-18, dated 07/20/04, signed and sealed by S. M. Urich, PE.

C. CALCULATIONS

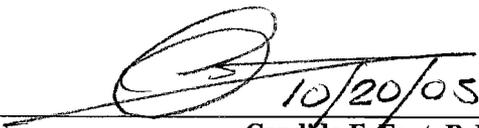
1. Anchor calculations, on page 1 of 6 of drawing HR-2004, dated 07/19/04 with last revision C dated 07/14/05 prepared by Wasco Products, Inc signed and sealed by L. B. Murray PE.

D. QUALITY ASSURANCE

1. Building Code Compliance Office.

E. STATEMENTS

1. Letter of No-financial interest issued by Wasco Products, Inc. dated 07/19/04, signed and sealed by W. A. Tillit, Jr. PE.
2. Code compliance letter issued by Tilteco, Inc., on 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
3. Notice of Acceptance # 05-0819.01 issue to Wasco Products, Inc on 10/13/05 and expiring on 10/13/10.


Candido F. Font, P. E.
Senior Product Control Examiner
NOA No. 04-0728.03
Expiration Date: October 20, 2010
Approval Date: October 20, 2005

GSHR HURRICANE RESISTANT
WASCO SKYWINDOW® SKYLIGHT

MODEL STANDARD SIZES	O.D. OF CURB LENGTH X WIDTH	NAILS REQUIRED	DESIGN AREA (SQ. FT.)	WIND LOAD-PSF	TOTAL LOAD-LBS.	LATERAL LOAD PER NAIL - LBS
2222	25 1/2 X 25 1/2	28	4.5	50	225.78	8.06
4622	49 1/2 X 25 1/2	40	8.75	50	438.28	10.96
4630	49 1/2 X 33 1/2	44	11.5	50	575.78	13.09
4646	49 1/2 X 49 1/2	52	17	50	850.78	16.36
2246	25 1/2 X 49 1/2	40	8.75	50	438.28	10.96
3046	33 1/2 X 49 1/2	44	11.5	50	575.78	13.09

△ A

American Forest & Paper Association (AF&PA) National Design Specification (per FBC Chapter 35 Section 3502). From Table C12.3-1 allowable lateral load for 8d nails is 85 lb/nail.
Maximum uplift for largest size is = $50 \text{ psf} \times 50 \frac{5}{8} \times 50 \frac{5}{8} = 890 \text{ lbs}$
 $144 \text{ sq in} / \text{sq ft}$
 $890 \text{ lbs} = 17.11 \text{ lb/nail} \ll 85 \text{ lb/nail allowable.}$
52 nails

△ A

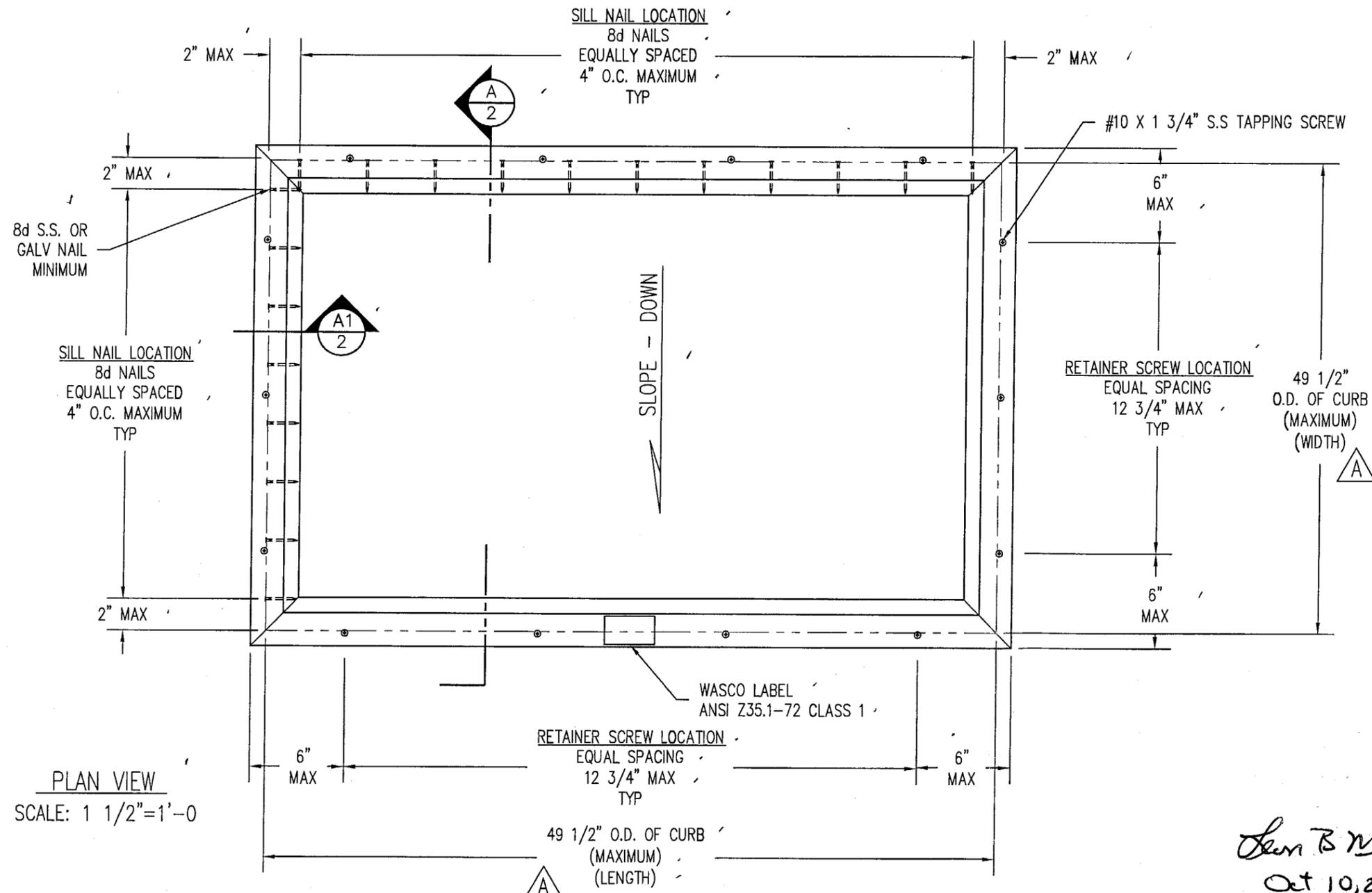
DESIGN PRESSURES	
LARGE MISSILE IMPACT	WIND
	+50 P.S.F. -50 P.S.F.

NOTE:

1) ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF FLORIDA STATE BUILDING CODE

△ A 2) 4" MIN DISTANCE FROM LOWER LIP OF RETAINER TO SURFACE OF ROOF IS SHOWN FOR SHINGLE ROOF OR BUILT UP ROOF WITHOUT INSULATION. IF INSULATION AND/OR TILES ARE REQUIRED, THE THICKNESS OF EACH COMPONENT MUST BE ADDED TO MAINTAIN THE 4" DISTANCE

3) FASTENERS SUPPLIED BY INSTALLER MUST BE CAPABLE OF WITHSTANDING ALL LOADS IMPOSED ON THEM AND BE COMPATIBLE WITH ALUMINUM AND ALL ROOFING MATERIALS.



PLAN VIEW
SCALE: 1 1/2" = 1'-0"

Approved as complying with the
Florida Building Code
Date: 04-07-05
NOA# 04-072503
Miami Dade Product Control
Division
By: [Signature]

E	NOA EXTRUSION	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	NO CHANGE THIS SHT.	03/11/05	SSP	DS
A	ORIGINAL ISSUE	02/04/05	SSP	DS

REV:	DRAFTER:	CHECKER:	DATE:
0	SCRIBNER	ABBOTT	07/19/04

DESCRIPTION:
ALUMINUM CLAD PVC CURB MOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
(207) 324-8060 FAX: (207) 490-4405

PRODUCT NAME:
HURRICANE RESISTANT WASCO SKYWINDOW® SKYLIGHTS MODELS GSHR

DOCUMENT: HR-2004 PAGE 1 OF 6

ENGINEER:
LEON B. MURRAY
DISCIPLINE: STRUCTURAL
REGISTRATION # 57110

Leon B Murray
Oct 10, 2005

△ A

△ C

A OLDCASTLE GLASS GROUP PERRYSBURG, OH.
 15/16" I.G.: 3/16" CLEAR TEMPERED OVER
 11/32 HEAT STRENGTHENED LAMINATED
 (1/8" H.S., .060 SOLUTIA SAFLEX PVB,
 .030 SOLUTIA SAFLEX PVB, 1/8" H.S.) W/
 3/8" SEALED AIR SPACE

A (8) 1/4" DIA. WEEP
 HOLES LOCATED 2 1/2"
 FROM EACH END.

8d STAINLESS STEEL NAIL
 FURNISHED BY WASCO

B **A** 4" MIN.
 SEE NOTE #2
 ON SHEET ONE

50 5/8" x 50 5/8"
 MAX 2 12
 MIN

A 3/8" x 3/8" DESSICANT FILLED METAL SPACER

1/4" x 3/8" TREMCO SG900T
 STRUCTURAL GLAZING TAPE
 (OR EQUAL)

DOW-CORNING 995 OR 983 SEALANT
 CONTINUOUS AROUND PERIMETER

1/8" (APPROX) x 1 1/2"
 DOW-CORNING 795 SEALANT
 CONTINUOUS AROUND PERIMETER

2X6 MIN. SOUTHERN YELLOW PINE LUMBER FOR
 CURBING MATERIAL TO MEET MIN. 4" CLEARANCE
 CAPABLE OF SUPPORTING ALL LOADS IMPOSED
 INCLUDING THE FORCES OF GRAVITY AND ALL
 THOSE CONDITIONS CREATED BY WEATHER
 (NOT BY WASCO)

A CROSS SECTION
 2 SCALE: 6"=1'-0"

A **A1** CROSS SECTION (SIMILAR - ANGLE CHANGED)
 2 SCALE: 6"=1'-0"

SARLINK DSM #5775B4 "T" GASKET **D**

#10 x 1 3/4" S.S. TAPPING SCREW
 (SEE PLAN VIEW FOR LOCATIONS)

POLYCARBONATE INJECTION MOLDED
 GLAZING BLOCK/SPACER
 AT EACH SCREW LOCATION **A** **B** **D**

ALUMINUM VTR RETAINER

CS/GS EXTRUDED PVC SILL (Die #2062100) - NOA #05-0819.01 **A** **B** **D** **E**
 PERIMETER MEMBER WITH MITERED AND WELDED CORNERS

8d COMMON STAINLESS STEEL **A**
 NAILS @ 2" FROM EACH CORNER & 4" O.C.
 W/ 1 1/2" MIN ENGAGEMENT
 (FURNISHED BY WASCO)

ROOFING MATERIALS, SUBSTRUCTURE **A** **B**
 AND COUNTER FLASHING
 (NOT BY WASCO)
 IN COMPLIANCE WITH CHAPTER 15 OF F.B.C.

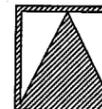
Approved as complying with the
 Florida Building Code
 Date
 NOA# 04-0128.03
 Miami Dade Product Control
 Division
 By

E	NOA EXTRUSION	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	GENERAL	03/11/05	SSP	DS
A	GENERAL	02/04/05	SSP	DS

REV: 0 DRAFTER: SCRIBNER CHECKER: ABBOTT DATE: 07/19/04

A DESCRIPTION:
 ALUMINUM CLAD PVC CURBMOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
 22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
 (207) 324-8060 FAX: (207) 490-4405

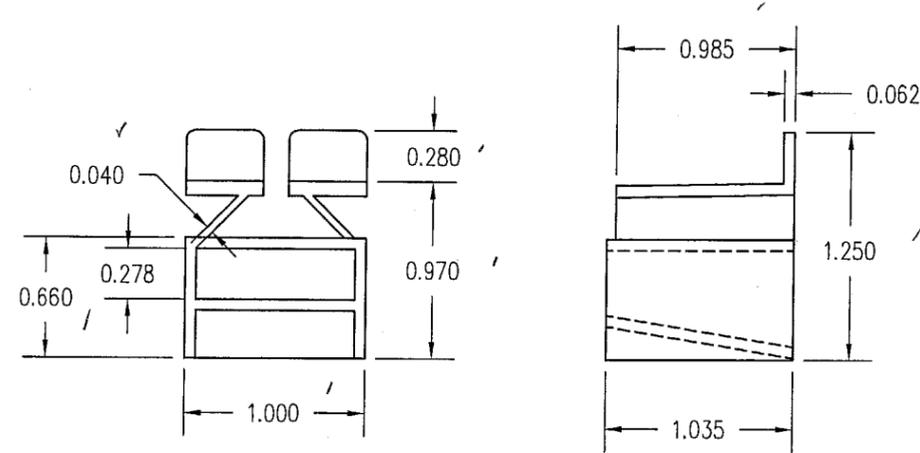


PRODUCT NAME:
 HURRICANE RESISTANT WASCO SKYWINDOW[®] SKYLIGHTS MODELS GSHR

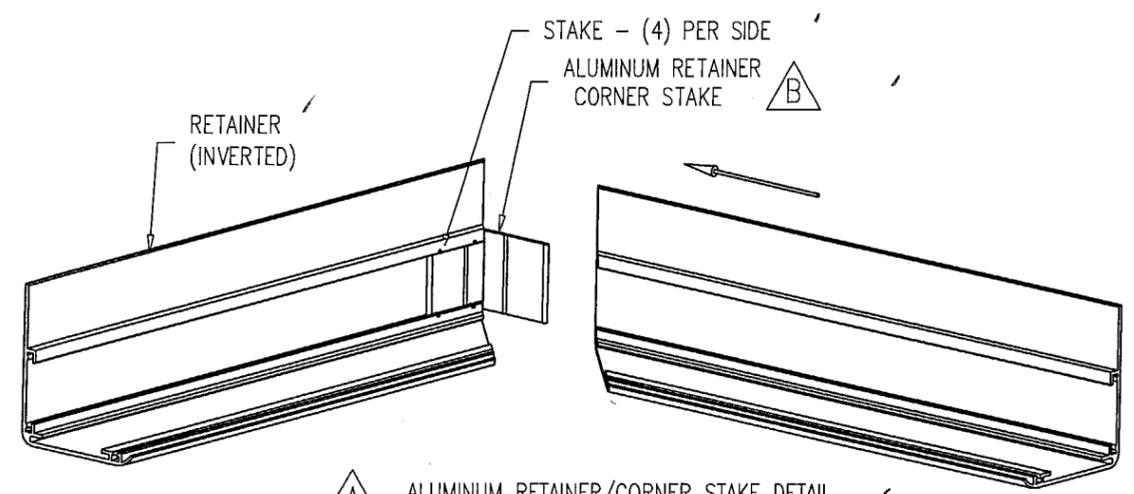
DOCUMENT: HR-2004 PAGE 2 OF 6

ENGINEER:
 LEON B. MURRAY
 DISCIPLINE: STRUCTURAL **C**
 REGISTRATION # 57110

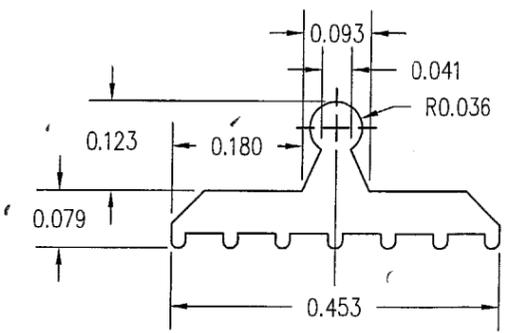
Leon B Murray - J
 Oct. 10, 2005



POLYCARBONATE INJECTION MOLDED GLAZING BLOCK D



A ALUMINUM RETAINER/CORNER STAKE DETAIL
B UPSIDE DOWN



RETAINER GASKET
 MATERIAL: SARLINK DSM #5775B4 D

Approved as complying with the
 Florida Building Code
 Date
 NOAH 04-0728-03
 Miami Dade Product Control
 Division
 By

E	NOA EXTRUSION	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	NOTES	03/11/05	SSP	DS
A	GENERAL	02/04/05	SSP	CHECK1
REV:	DRAFTER:	CHECKER:	DATE:	
0	SCRIBNER	ABBOTT	07/19/04	

A DESCRIPTION:
 ALUMINUM CLAD PVC CURB MOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
 22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
 (207) 324-8060 FAX: (207) 490-4405

PRODUCT NAME:
 HURRICANE RESISTANT WASCO SKYWINDOW[®] SKYLIGHTS MODELS GSHR

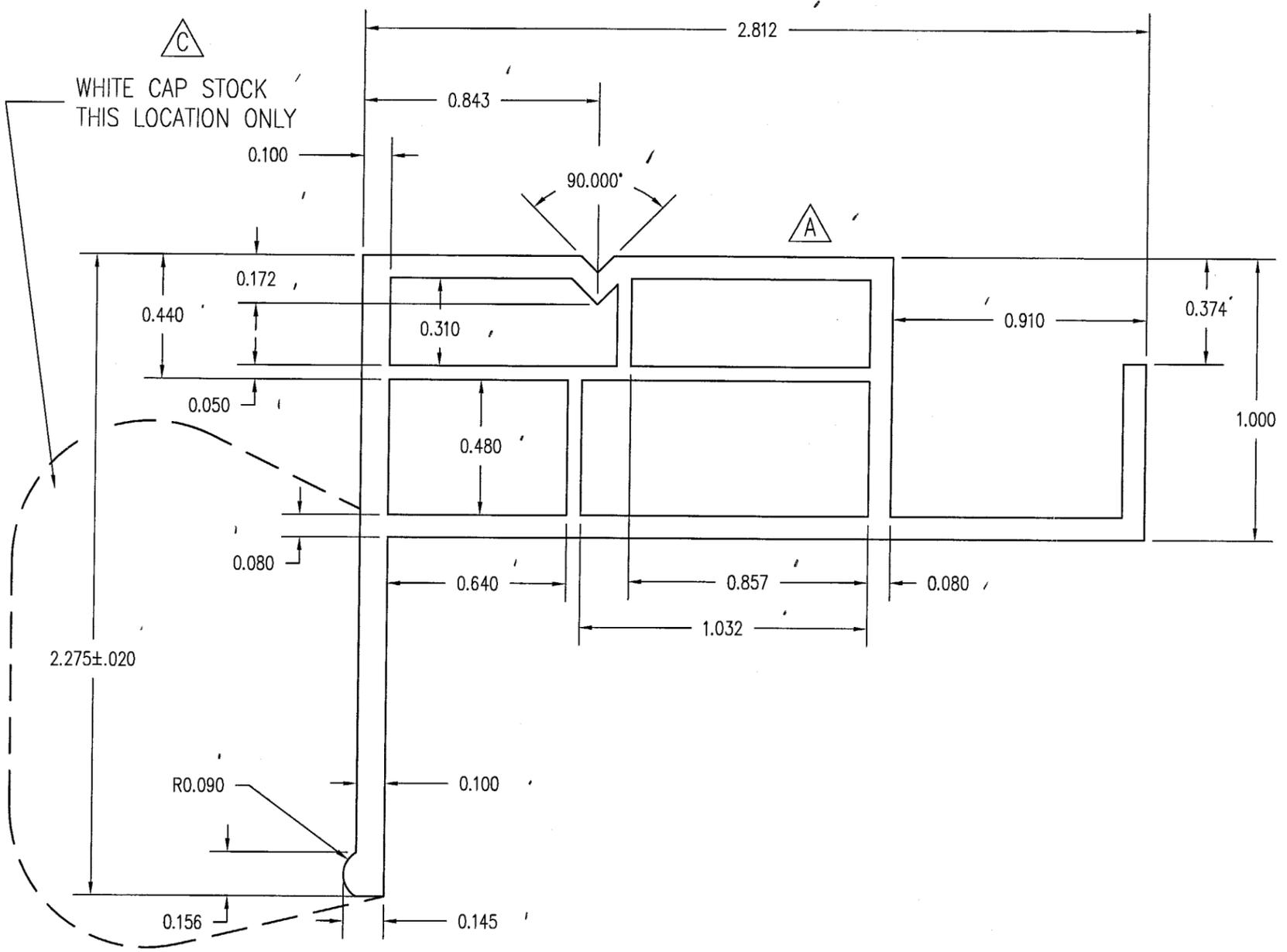
DOCUMENT:	HR-2004	PAGE:	3 OF 6
-----------	---------	-------	--------

ENGINEER:
 LEON B. MURRAY
 DISCIPLINE: STRUCTURAL
 REGISTRATION # 57110 C

Leon B Murray
 Oct. 10, 2005

GENERAL NOTES:
 1. RIGID PROFILE
 UNSPECIFIED DIMENSIONS: UNLESS OTHERWISE NOTED
 EXTERNAL WALLS: 0.080±.008
 INTERNAL WALLS: 0.050±.012
 RADII: 0.016
 DIMENSIONAL TOLERANCES PER ACTUAL STANDARDS UNLESS OTHERWISE NOTED
 a. AREA OF CROSS SECTION: 2.154 SQR IN
 2. PROFILE WEIGHT
 a. TOTAL WEIGHT OF PROFILE INCLUDING RIGID AND CAP STOCK = 269± GRAMS.

MATERIAL NOTES:
 1. CS/GS WHITE RIGID PVC EXTRUSION PROFILE (Die #2062100) AS MANUFACTURED BY:
 WASCO PRODUCTS INC., ~~NOA # 05-0819.01~~
 22 PIONEER AVE.
 SANFORD, ME 04073



Approved as complying with the Florida Building Code
 Date: NOA# 04-0728-03
 without Dade Product Control Division

Leon B Murray
 Oct. 19, 2005

E CS/GS EXTRUDED PVC SILL (Die #2062100) - NOA #05-0819.01
 SCALE: 2"=1"

AS MANUFACTURED BY:
 WASCO PRODUCTS INC.
 22 PIONEER AVE.
 SANFORD, ME 04073

E CS/GS EXTRUDED PVC SILL NOA No. 05-0819.01
 APPROVAL DATE: OCTOBER 20, 2005
 EXPIRATION DATE: OCTOBER 20, 2010

C PER AAMA LETTER DATED 07/20/05 TO DADE COUNTY.
 PVC PROFILE TEST RESULTS MEET THE CRITERIA
 APPROVED BY DADE COUNTY.

E	NOA-EXTRUSION	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	NOTES	3/11/05	SSP	DS
A	NOTES	02/04/05	SSP	DS

REV: 0 DRAFTER: SCRIBNER CHECKER: ABBOTT DATE: 07/19/04

DESCRIPTION:
 ALUMINUM CLAD PVC CURBMOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
 22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
 (207) 324-8060 FAX: (207) 490-4405

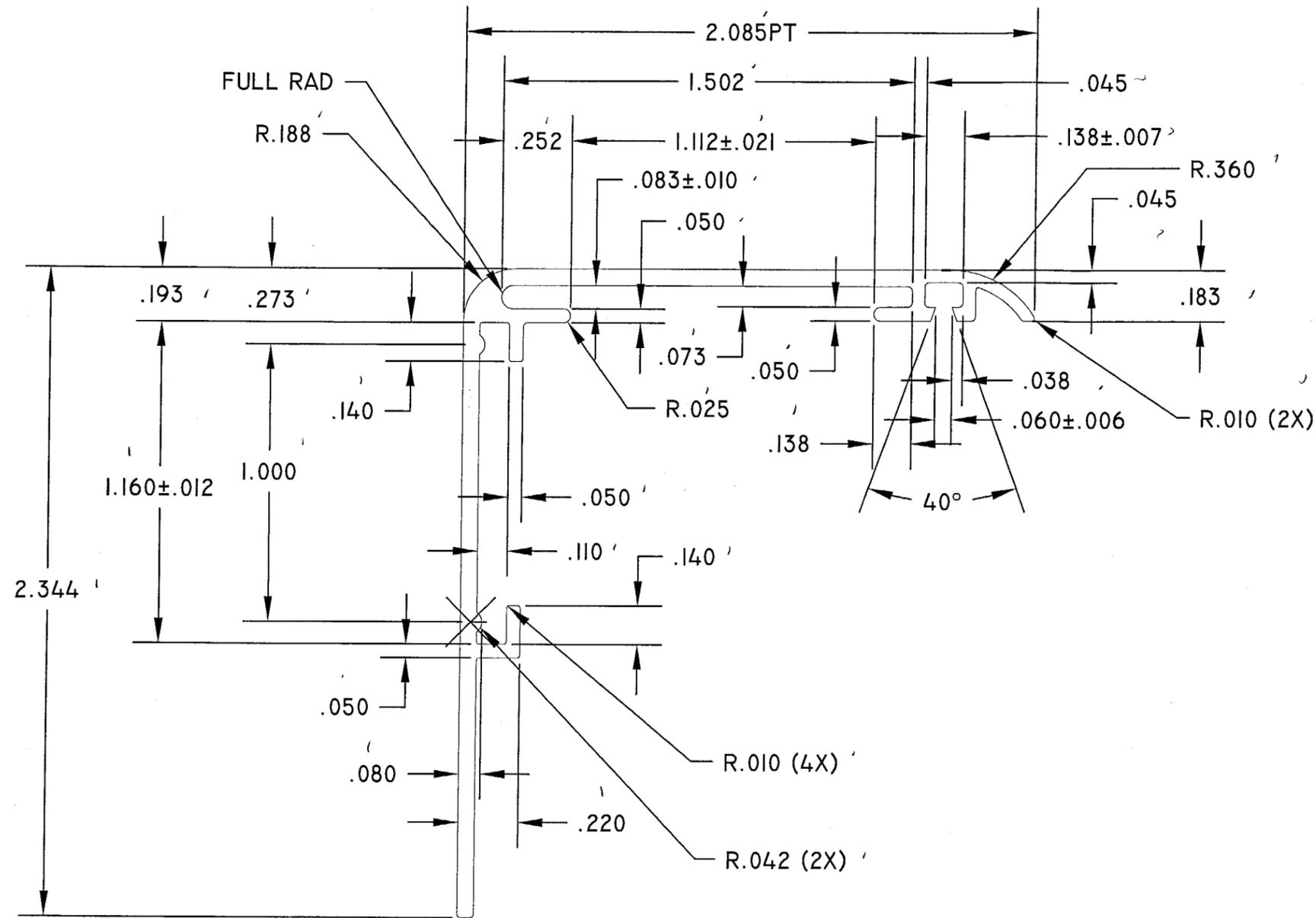
PRODUCT NAME:
 HURRICANE RESISTANT WASCO SKYWINDOW® SKYLIGHTS MODELS GSHR

DOCUMENT: HR-2004 PAGE 4 OF 6

ENGINEER:
 LEON B. MURRAY
 DISCIPLINE: STRUCTURAL
 REGISTRATION # 57110

NOTES:

- I. UNLESS OTHERWISE SPECIFIED:
STANDARD ALUM. ASSOC. TOLERANCES APPLY
BREAK SHARP CORNERS R.015 MAX.
UNSPECIFIED RADII = .015



ALUMINUM VTR RETAINER
SCALE: 2"=1"

Approved as complying with the
Florida Building Code
Date
NOAH 04-0728-03
Miami Dade Product Control
Division
By

E	GENERAL	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	NO CHANGE THIS SHT.	03/11/05	SSP	DS
A	GENERAL	02/04/05	SSP	CHECK1

REV: 0	DRAFTER: SSP	CHECKER:	DATE: 1/24/05
--------	--------------	----------	---------------

DESCRIPTION:
ALUMINUM CLAD PVC CURB MOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
(207) 324-8060 FAX: (207) 490-4405

PRODUCT NAME:
HURRICANE RESISTANT WASCO SKYWINDOW SKYLIGHTS MODELS GSHR

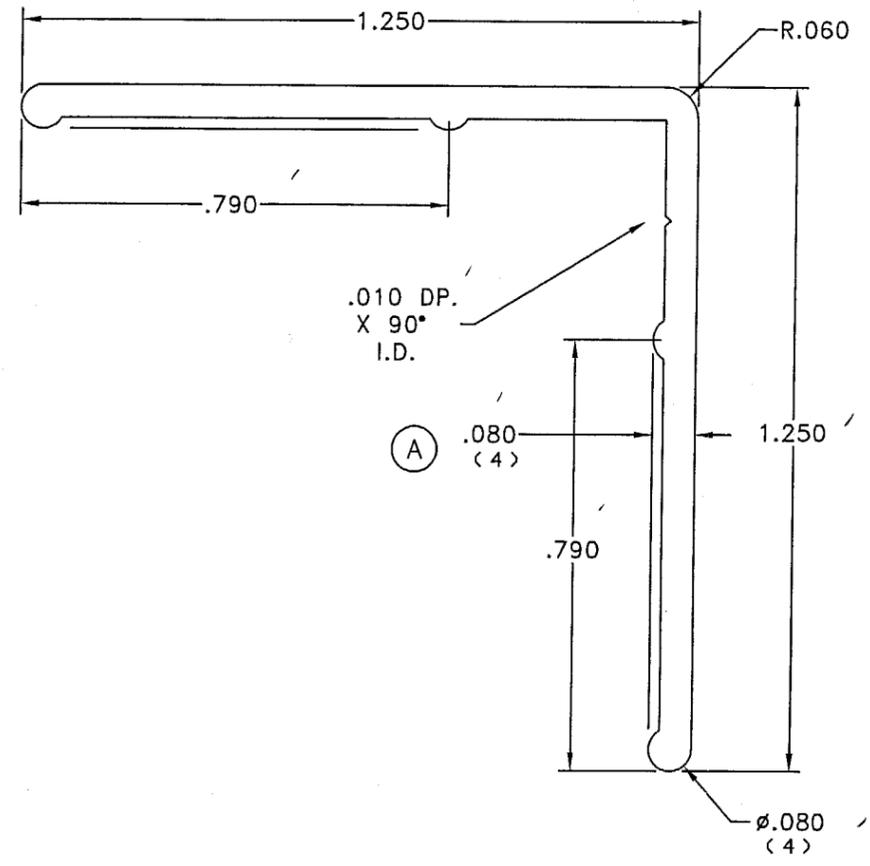
DOCUMENT: HR-2004 PAGE 5 OF 6

ENGINEER:
LEON B. MURRAY
DISCIPLINE: STRUCTURAL
REGISTRATION # 57110

VITEX EXTRUSIONS		
AREA: 317 SQ IN	CUSTOMER: WASCO PRODUCTS	
PERIM: 10.893 IN	PART NAME: VTR RETAINER	DATE: 1-17-04
WT./FT. 368 LBS	CUST DWG /REV 2119000	DWN BY: NJS
MAT'L: 6063-T5	SECTION No. 900951	SCALE: 2X

Leon B. Murray
Oct. 10, 2005





ALUMINUM RETAINER/CORNER STAKE
SCALE: 3"=1"

Approved as complying with the
Florida Building Code
Date
NOA# 04-0728-03
Miami Date Product Control
Division
By

E	NOA EXTRUSION	10/06/05	LPP	SSP
D	GENERAL	08/11/05	LPP	SSP
C	GENERAL	07/14/05	LPP	SSP
B	NOTES	03/11/05	SSP	DS
A	GENERAL	02/04/05	SSP	DS

REV: 0	DRAFTER: SSP	CHECKER:	DATE: 1/24/05
--------	--------------	----------	---------------

EST. AREA .149	EST. PERIMETER 4.997	Alcoa Extruded Construction Products			
EST. WT. PER FT. .179	FACTOR 28	CUSTOMER WASCO F			
STANDARD TOLERANCES FOR EXTRUDED PRODUCTS APPLY UNLESS SPECIFICALLY SHOWN OTHERWISE		CITY SANFORD	STATE MAINE		
REVISIONS		DESCRIPTION KEY		CIRCUMSCRIBED CIRCLE 1-2	
DATE		SCALE 3X1	DRAWN BY M.M.	DATE 12/12/2000	CUSTOMER NO. 2090905
A ADDED DIM. 7/31/2001		END USE CODE		PRODUCT CLASS	SOLID <input checked="" type="checkbox"/> HOLLOW <input type="checkbox"/>
B ADDED CUST. NO. 9/28/2001					
ALL CORNERS .015 RADIUS UNLESS SPECIFIED		UNSPECIFIED WALL THICKNESS .060		ALLOY/TEMPER 6063-T5	

DESCRIPTION:
ALUMINUM CLAD PVC CURB MOUNTED FIXED SKYLIGHT

WASCO PRODUCTS, INC.
22 PIONEER AVE. PO BOX 351 SANFORD, MAINE 04073
(207) 324-8060 FAX: (207) 490-4405

PRODUCT NAME:
HURRICANE RESISTANT WASCO SKYWINDOW® SKYLIGHTS MODELS GSHR

DOCUMENT: HR-2004 PAGE 6 OF 6

ENGINEER:
LEON B. MURRAY
DISCIPLINE: STRUCTURAL
REGISTRATION # 57110

Leon B Murray
Oct 10, 2005