



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

Design Plastics, Inc.
701 North Andrews Avenue
Fort Lauderdale ,FL 33311

Your application for Notice of Acceptance (NOA) of:

Design-Lite II

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.: 00-0919.02
EXPIRES: 05/10/2004

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: 05/10/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This approves Self Curbing and Curb Mounting 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 Design Plastics Skylight System and its components shall be constructed in strict compliance with the following documents: Drawing without number sheet 1 through 5 of 5 dated 08/17/00, with no revisions, titled "Components & Details for Self Curbing & Curb Mounting Skylights, Basic Dimensions Charts/General Notes", prepared by Tilteco, Inc., bearing the Miami-Dade County Product Control Approval and Renewal stamps with the Notice of Acceptance numbers and approval dates by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This Self Curbing & Curb Mounting Skylight System is formed from Implex sheets, a translucent acrylic plastic meeting the requirements of Section 3505 of the South Florida Building Code.

3.2 All permanent set components and fasteners must be protected against corrosion, contamination and damage at all times.

3.3 This approval is limited to the fully assembled Curb Mount Skylight System and its attachment to the sub structure. The structural adequacy of the supporting sub structure is not part of this approval and it shall be reviewed by the structural plan examiner of the corresponding building department.

4. INSTALLATION

This Curb Mount Skylight System must be installed in strict compliance with the approved drawings. This Curb Mount Skylight System is tested and approved for large missile impact. The maximum design pressure on the skylight is positive 100 p.s.f. and negative 100 p.s.f. The curb must be fastened to sub structure as shown on the drawings. The installation of this product will not require a hurricane protection system.

5. LABELING

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

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance, including duplicate copies of the approved drawings, clearly marked to show the components selected for the proposed installation.

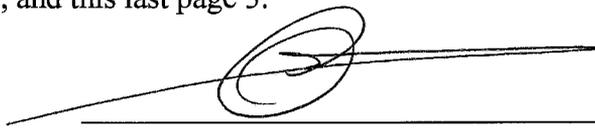
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Candido F. Font, P.E. – Sr. 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.


Candido F. Font, P.E. – Sr. Product Control Examiner
Product Control Division.

END OF THIS ACCEPTANCE

Design Plastics, Inc.

ACCEPTANCE NO: 00-0919.02

APPROVED: MAY 10 2001

EXPIRED: MAY 10 2004

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For file ONLY. Not part of NOA)

A. DRAWINGS

1. Drawing prepared by Tilteco, Inc., titled "Components & Details for Self Curbing & Curb Mounting Skylights, Basic Dimensions Charts/General Notes", drawing without number, dated 08/17/00, sheet 1 through 5 of 5, signed and sealed by W. A. Tillit Jr., PE.
2. Die drawings prepared by Tifton Aluminum Company, Inc., titled DPI 7 & DPI 10, dated 05/15/97 & 05/20/97, drawn by M.W.B.

B. TEST REPORTS

1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test on "Series: Double Dome Curb Mount, & Self Curb Acrylic Skylight", prepared by Fenestration Testing Laboratory, Inc., Laboratory No. 2608, dated 04/05/2000, signed and sealed by A. P. Gonzalez, PE.

C. CALCULATIONS

1. Anchor calculations, dated 08/09/00, pages 1 through 4 of 4, prepared by Tilteco, Inc. Revised on 04/12/01, signed and sealed by W. A. Tillit, PE.

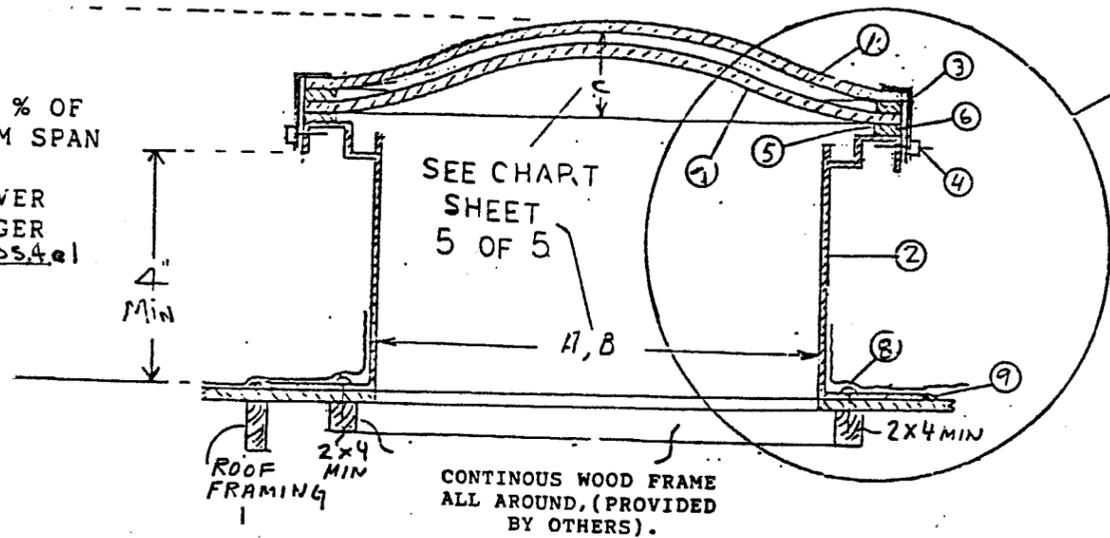
D. STATEMENTS

1. Letter of Test compliance issued by Fenestration Testing Laboratory, on 04/20/00, signed and sealed by A.P. Gonzalez, PE.
2. Letter of No-financial interest issued by Tilteco, Inc. dated 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
3. Code compliance letter issued by Tilteco, Inc., on 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.



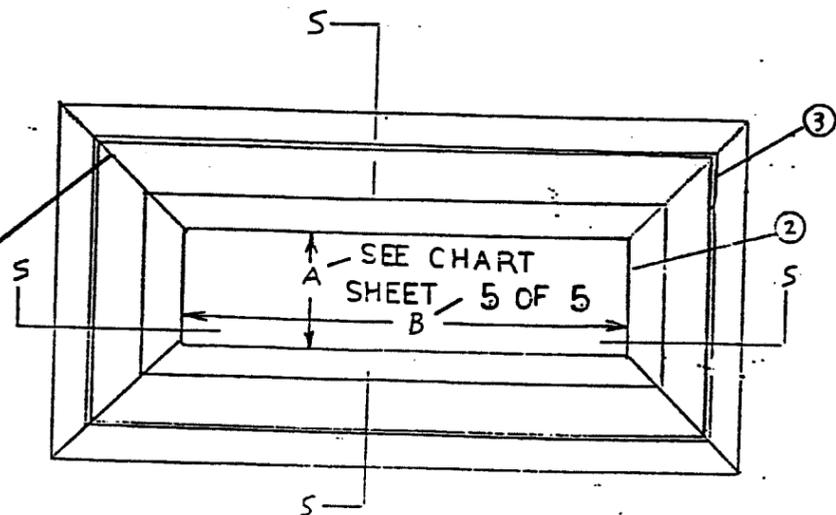
Candido F. Font, P.E. – Sr. Product Control Examiner
Product Control Division

C = MIN 10% OF
MAXIMUM SPAN
OR 4";
WHICHEVER
IS LARGER
SFD 3505.4.e1



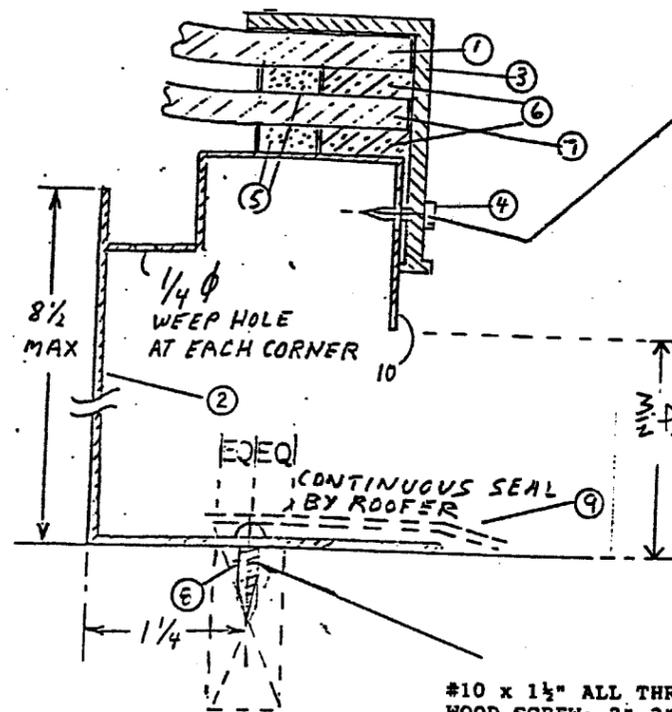
TYPICAL SECTION S-S

MITERED AND
BUTT WELDED
(TYP) 4 CORNERS
WITH ELECTRODE
5356



TYPICAL PLAN

SELF CURBING SKYLIGHT: BILL OF MATERIAL	
PN	DESCRIPTION
1	1/4" IMPLEX ACRYLIC DOME BY ELF. ATOCHEM; DADE COUNTY APPROVED. NOA#99-0920.01.
2	CURB FRAME; 6063 TS ALUM. ALOY
3	RETAINER FRAME; 6063 TS ALUM. ALOY
4	#8 X 1/2" LONG HEX HEAD SELF TAPPING SHEET METAL SCREW
5	1/4" X 1/2" BACKING TAPE
6	GE SCS 2000 SILPRUF SILICONE
7	OPTIONAL 1/4" IMPLEX DOME, SAME AS 1
8	#10 X 1 1/2" ALL THREADED WOOD SCREW; NON-CORROSIVE
9	SEALING MEMBRANE BY ROOFER * SEE NOTES 1 & 2



DETAIL 1

NON-CORROSIVE #8 x 1/2"
LONG HEX-HEAD SELF-DRILLING
SCREW. 2"-3" FROM EACH CORNER.
10" O.C. THEREAFTER.

- Notes*
- 1) All roofing details shall comply with chapter 34 of the South Florida Building code
 - 2) 4" minimum distance is required from curb frame end to roof surface for shingle or BUR without insulation. For insulation and roof tile, add tile height and insulation thickness to this 4" minimum height.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **MAY 10 2001**

BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0919.02

#10 x 1 1/2" ALL THREADED
WOOD SCREW; 2"-3" FROM
EACH CORNER; BALANCE AT
10" O.C. (MAX) THEREAFTER.

PRESSURE
RATING
+- 100
P.S.F.

STRUCTURALLY REVIEWED BY:

WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC. NO. 44167

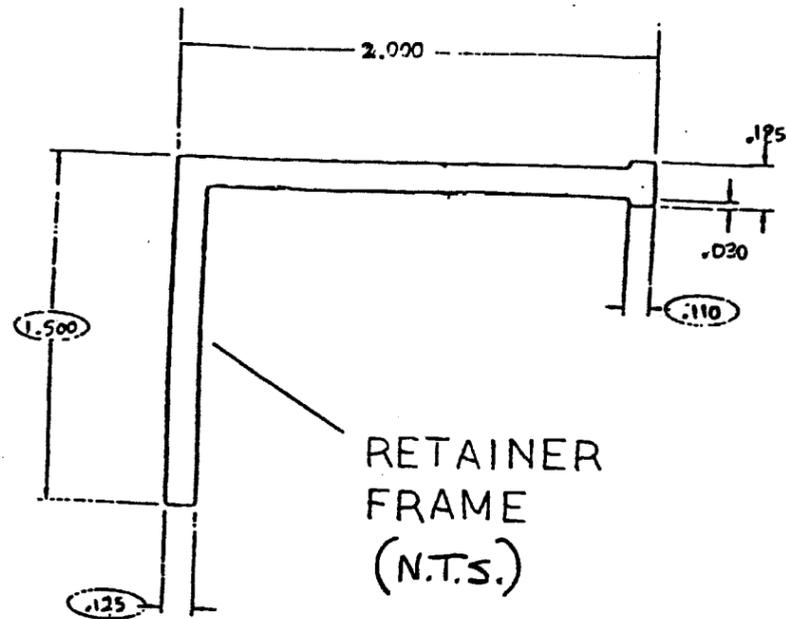
TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6595 NW 30th STREET, STE. 217
MIAMI, FLORIDA 33166

DESIGN PLASTICS, INC.
701 N. ANDREWS AVE. FT. LAUD., FL. 33311

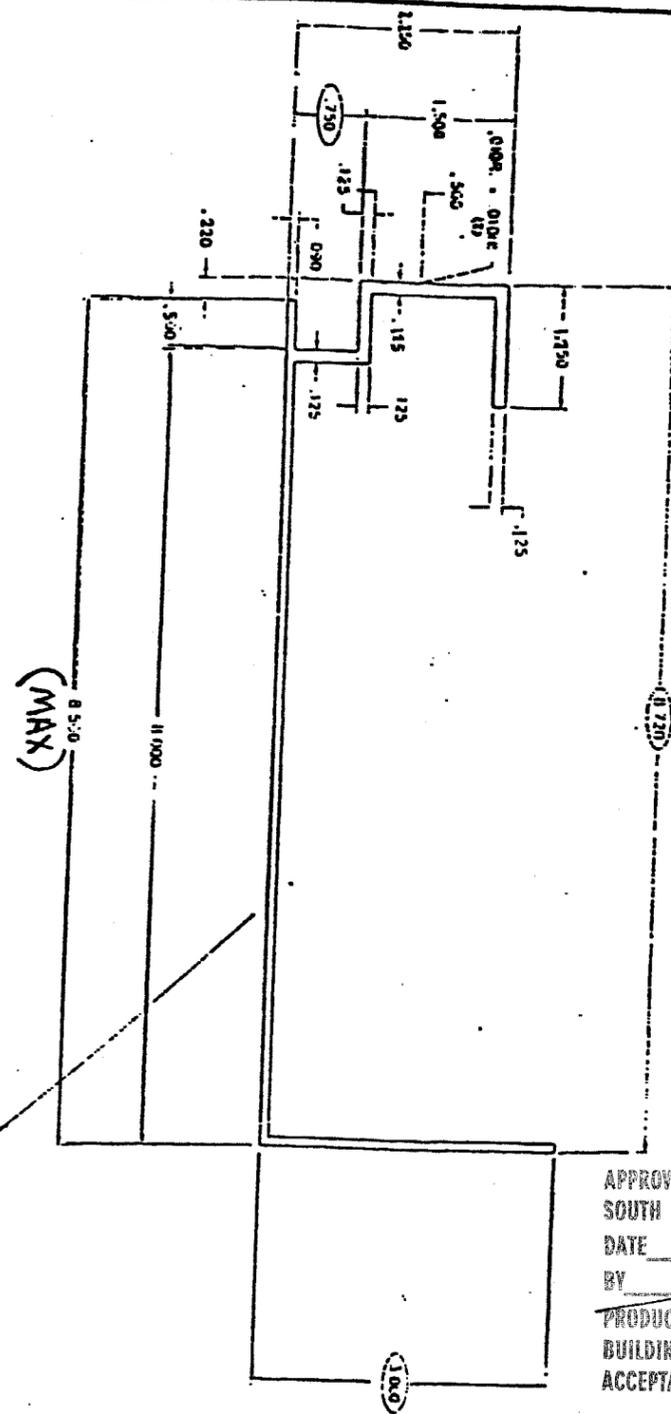
SCALE: APPROVED BY: DRAWN BY GT
DATE: 8/17/00 REVISED 3/11/01

DETAILS FOR SELF CURBING
SKYLIGHTS

DRAWING NUMBER
1 OF 5



RETAINER
FRAME
(N.T.S.)



CURB
FRAME
(N.T.S.)

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **MAY 10 2001**
BY 
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0919.02

STRUCTURALLY REVIEWED BY:


4/17/01
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL. LIC. NO. 44167

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
3595 NW 36th STREET, STE. 217
MIAMI, FLORIDA 33166

DESIGN PLASTICS, INC.
701 N. ANDREWS AVE. FT. LAUD., FL. 33311

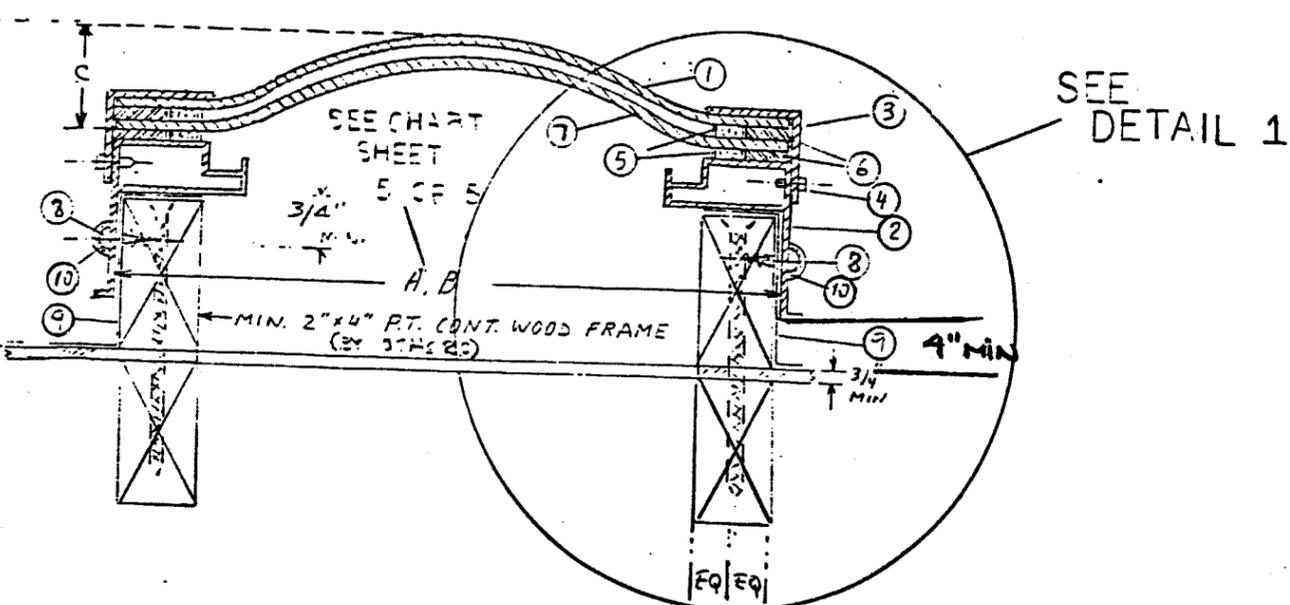
SCALE:	APPROVED BY:	DRAWN BY GT
DATE: 8/17/00	1	REVISED

COMPONENTS FOR SELF CURBING
SKYLIGHTS

DRAWING NUMBER
2 OF 5

SEE CHART 5 OF 5

C = MIN 10% OF
MAXIMUM SPAN
OR 4";
WHICHEVER
IS LARGER
SFBC 3305.4e1

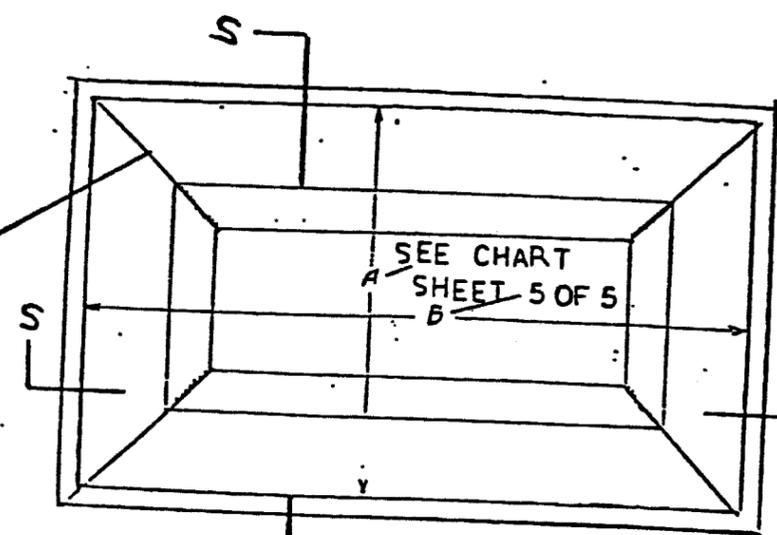


TYPICAL SECTION S-S

CURB-MOUNT SKYLIGHT: BILL OF MATERIALS

PN	DESCRIPTION
1	1/4" IMPLEX ACRYLIC DOME BY ELF. ATOCHEM; DADE COUNTY APPROVED. NOA#99-0920.01.
2	CURB FRAME; 6063 T5 ALUM. ALOY
3	RETAINER FRAME; 6063 T5 ALUM. ALOY
4	#8 X 1/2" LONG HEX HEAD SELF TAPPING SHEET METAL SCREW
5	1/4" X 1/2" BACKING TAPE
6	GE SES 2000 SILPRUF SILICONE
7	OPTIONAL 1/4" IMPLEX DOME, SAME AS 1
8	#10 X 1 1/2" ALL THREADED WOOD SCREW; NON-CORROSIVE
9	FLASHING/SEALING MEMBRANE BY ROOFER * SEE NOTES 1 & 2
10	APPROVED SEALANT BY OTHERS

MITERED AND
BUTT WELDED
(TYP) 4 CORNERS
WITH ELECTRODE
5356



TYPICAL PLAN

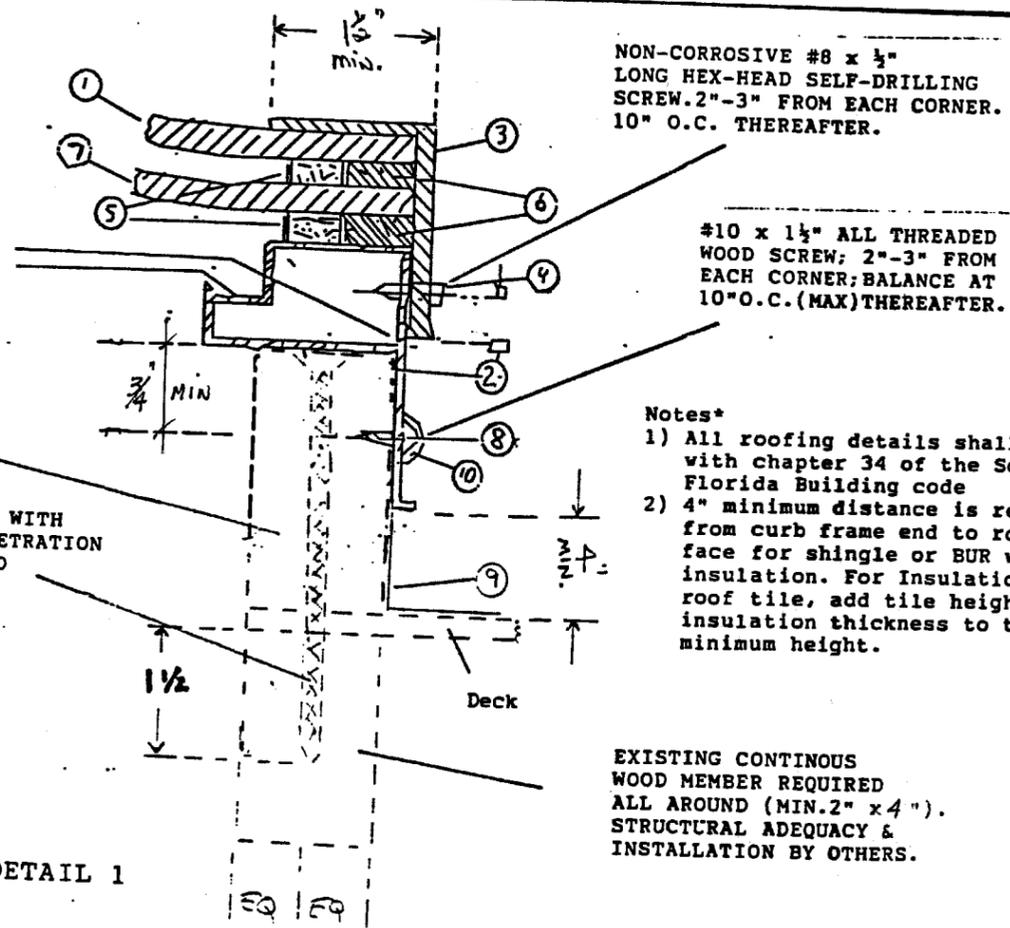
WEEP HOLE
EACH CORNER

MINIMUM 2" x 6" P.T.
CONTINUOUS WOOD FRAME
BY OTHERS.

#10 WOOD SCREWS WITH
1/2" MINIMUM PENETRATION
INTO MEMBER, AND
SPACED 8" O.C.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **MAY 10 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-0919.02**

DETAIL 1



- Notes*
- 1) All roofing details shall comply with chapter 34 of the South Florida Building code
 - 2) 4" minimum distance is required from curb frame end to roof surface for shingle or BUR without insulation. For insulation and roof tile, add tile height and insulation thickness to this 4" minimum height.

EXISTING CONTINUOUS
WOOD MEMBER REQUIRED
ALL AROUND (MIN. 2" x 4").
STRUCTURAL ADEQUACY &
INSTALLATION BY OTHERS.

PRESSURE
RATING
+- 100
P.S.F.

STRUCTURALLY REVIEWED BY:
[Signature]
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL LIC. NO. 44167

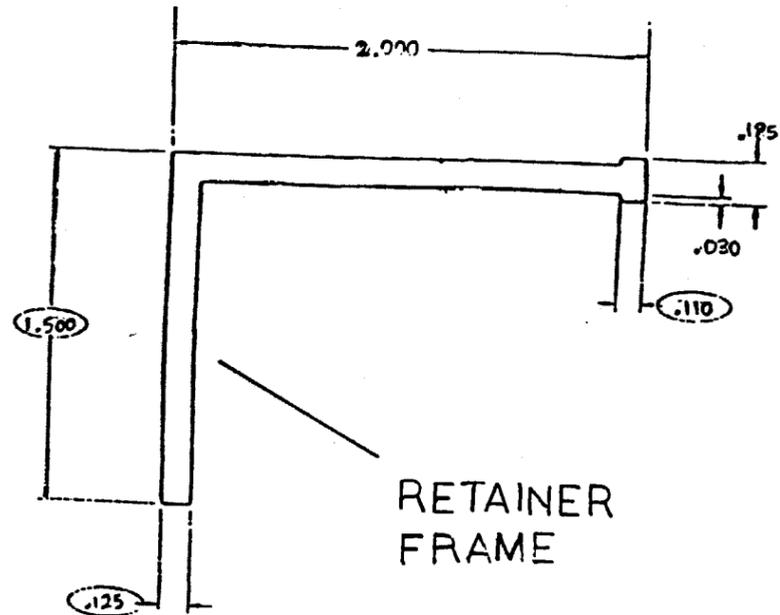
DESIGN PLASTICS, INC.
701 N. ANDREWS AVE. FT. LAUD., FL. 33311

SCALE: NTS APPROVED BY: DRAWN BY GT
DATE: 8/17/00 REVISED 3/1/01

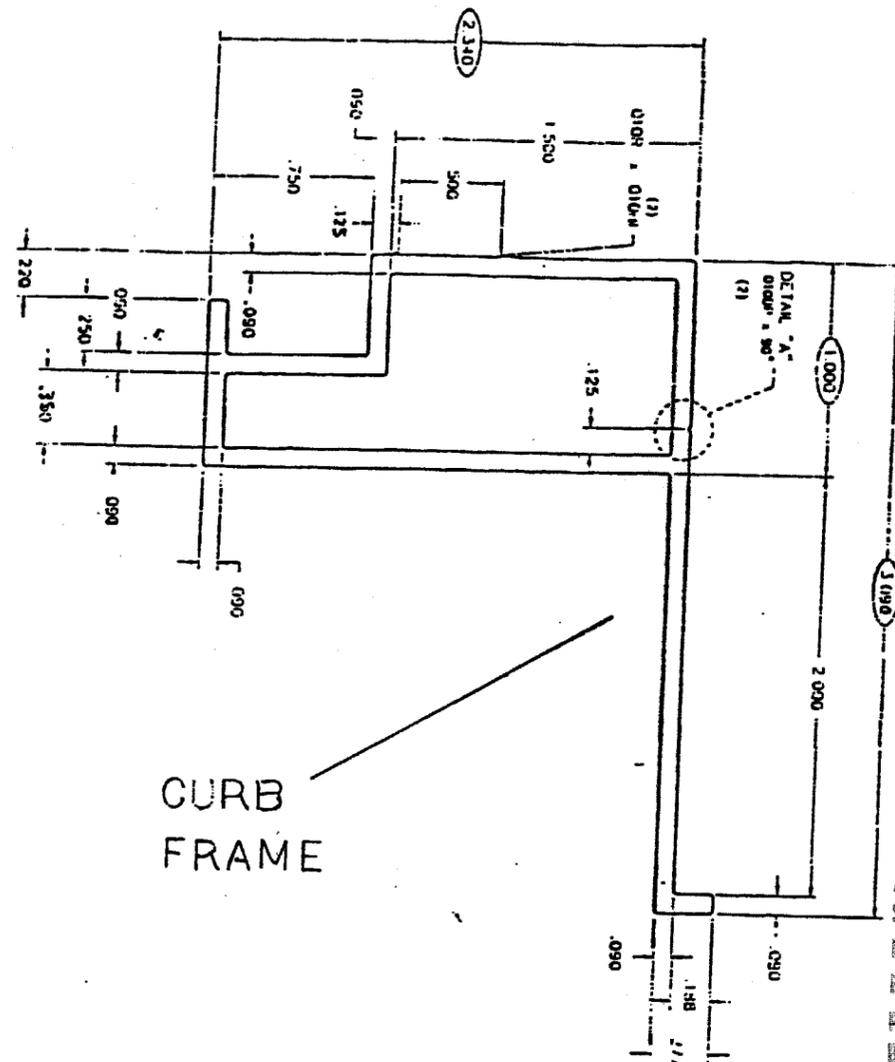
DETAILS FOR CURB MOUNT
SKYLIGHTS

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6395 NW 38th STREET, STE. 217
MIAMI, FLORIDA 33166

DRAWING NUMBER
3 OF 5



RETAINER
FRAME



CURB
FRAME

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **MAY 10 2001**
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-0919.02**

STRUCTURALLY REVIEWED BY:

4/12/01
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL LIC. NO. 44167

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6595 NW 36TH STREET, STE. 217
MIAMI, FLORIDA 33166

DESIGN PLASTICS, INC.
701 N. ANDREWS AVE. FT. LAUD., FL. 33311

SCALE:
DATE: **8/17/00**

APPROVED BY:

DRAWN BY **GT**

REVISED

COMPONENTS FOR CURB MOUNTING
SKYLIGHTS

DRAWING NUMBER
4 OF 5

**BASIC DIMENSIONS CHART
FOR SELF CURBING SKYLIGHTS**

DL2001	A	B	C*
			INCHES
001	14.25	14.25	4
002	14.25	22.25	4
003	14.25	46.25	4
004	19	19	4
005	22.25	22.25	4
006	22.25	37	4
007	22.25	46.25	4
008	22.25	69.50	4
009	22.25	89.50	4
010	30.25	30.25	4
011	30.25	46.25	4
012	30.25	69.25	4
013	37	37	4
014	37	75	4
015	46.25	46.25	5
016	46.25	69.25	5
017	46.25	89.25	5
018	55	55	6
019	57.25	89.25	6
020	69.50	69.50	7
021	69.50	89.50	7

* SEE SFBC 3505.4e1

CHARTS INCLUDE STANDARD SIZES LISTED ABOVE
CHARTS DO NOT INCLUDE CUSTOM SIZES UP TO LARGEST SIZE LISTED

**BASIC DIMENSIONS CHART
FOR CURB MOUNTING SKYLIGHTS**

DL3001	A	B	C*
			INCHES
001	17.25	17.25	4
002	17.25	25.25	4
003	17.25	49.25	4
004	22	22	4
005	25.25	25.25	4
006	25.25	40	4
007	25.25	49.25	4
008	25.25	72.50	4
009	25.25	92.50	4
010	33.25	33.25	4
011	40	40	4
012	33.25	49.25	4
013	33.25	72.50	4
014	40	78	4
015	49.25	49.25	4
016	49.25	72.50	5
017	49.25	92.25	5
018	58	58	6
019	60.50	92.50	6
020	72.50	72.50	7
021	72.50	92.50	7

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE MAY 10 2001
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0919.02

General Notes

- Skylight has been tested in accordance with chapter 23 of the 1994 edition of The South Florida Building Code as per Fenestration Testing Laboratory Report #2608. Design loads shall be determined as per section 6 of ASCE 7-88 for a basic wind speed of 110 mph.
 - Skylight assembly shall be installed separated from each other a distance of no less than 4'-0" measured in a horizontal plane.
 - Where exterior wall openings on a building are required to be fire rated, skylight shall not be installed within 6'-0" of such exterior wall.
 - This skylight shall not be installed in buildings of Group D and E occupancies.
 - Skylights installed at buildings of Groups E and F occupancies shall be glazed with burglar resistant material or be protected with burglar guards as per section 3603.3 (e) of The South Florida Building Code.
 - Acrylic dome shall be as manufactured by ELF Atochem North America, Inc. - Implex Acrylic Sheets, which bears a current Dade County Approval # 99-0920.01.
 - Screws to be all threaded with minimum yield strength of 80,000 p.s.i. and to be manufactured of non-corrosive materials or protected by a rust resistant coating that shall comply with the following.

Material	Specifications
Zinc Plated	ASTM B633
Nickel & Chrome plated	ASTM B456, type SC
Cadmium plated	ASTM B766, class 8, type II or III
Austenitic stainless steel	ASTM B593 & B594
 - Finishes of aluminum extrusions (when applicable) shall conform to

Finish	Specifications
Pigmented organic coating	AAMA 2603 2604 or 2605
Anodized	AAMA 611
8. Skylight's supporting frame shall be structurally designed by others.

STRUCTURALLY REVIEWED BY:

[Signature]
WALTER A. TILLIT JR., P.E.
STRUCTURAL ENGINEER
FL LIC. NO. 44167

TILECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6595 NW 36th STREET, STE. 217
MIAMI, FLORIDA 33166

DESIGN PLASTICS, INC.
701 N. ANDREWS AVE. FT. LAUD., FL. 33311

SCALE: _____ APPROVED BY: _____
DATE: 8/17/00 DRAWN BY GT

BASIC DIMENSIONS CHARTS /
GENERAL NOTES

REVISED _____
DRAWING NUMBER
5 OF 5