



**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)**

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

**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: Self Curbing and Curb Mount Skylights**

**APPROVAL DOCUMENT:** Drawing with no number, titled "Details & Components for Self Curbing Skylights, Details & Components for Curb Mount Skylights and Basic Dimensions Charts / General Notes", sheets No 1 through 5 of 5, prepared by Design Plastics, Inc. dated 08/17/00 with last revision on 12/21/04 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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", unless otherwise noted herein and the dome shall be properly marked by the manufacturers of Implex Acrylic, Atofina Chemical, Inc.

**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 revises NOA # 04-0428.05 it consists of this page, evidence page and approval document mentioned above

The submitted documentation was reviewed by **Candido F. Font, P.E.**

  
05/12/05



**NOA No. 05-0201.01  
Expiration Date: May 10, 2009  
Approval Date: May 12, 2005  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A. DRAWINGS**

1. Drawing prepared by Design Plastics, Inc., titled "Details & Components for Self Curbing Skylights, Details & Components for Curb Mount Skylights and Basic Dimensions Charts/General Notes", drawing without number, dated 08/17/00, with last revision on 12/21/04, 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.

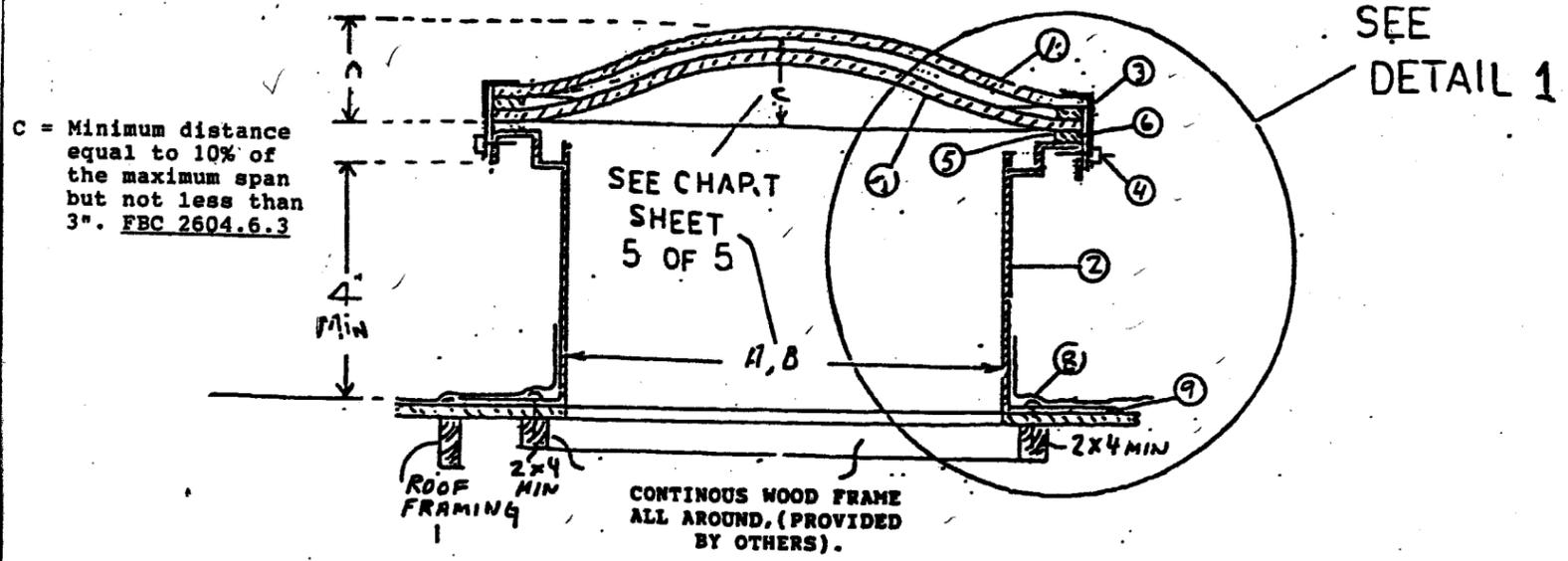
**C. CALCULATIONS**

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**

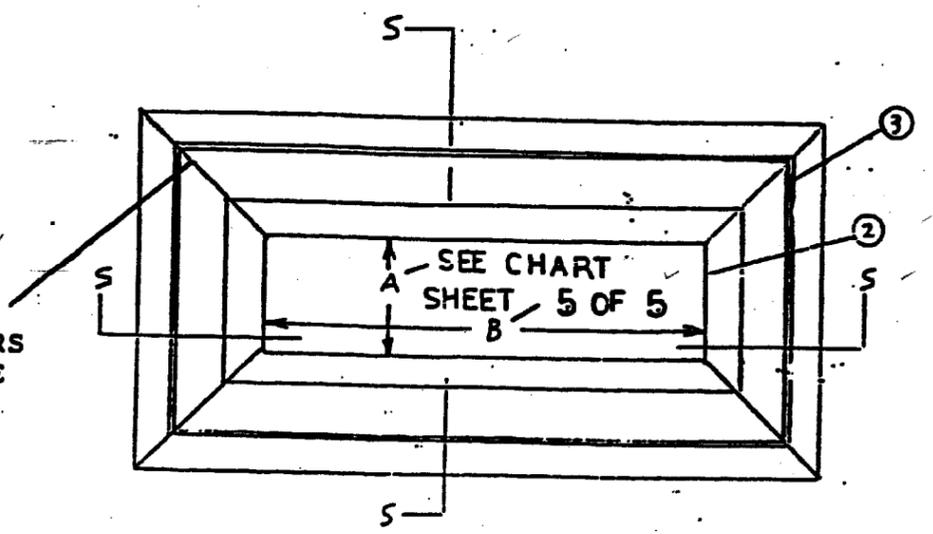
1. Letter of Test compliance issued by Fenestration Testing Laboratory, on 04/20/00, signed and sealed by A.P. Gonzalez, PE.
2. Letter of No-financial interest issued by Tilteco, Inc. dated 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
3. Code compliance letter issued by Tilteco, Inc., on 08/22/00, signed and sealed by W. A. Tillit, Jr. PE.
4. No change letter issued by Design Plastics Inc dated 04/26/04 and signed by G. Taylor

  
05/12/05  
Candido F. Font, P. E.  
Senior Product Control Examiner  
NOA No. 05-0201.01  
Expiration Date: May 10, 2009  
Approval Date: May 12, 2005



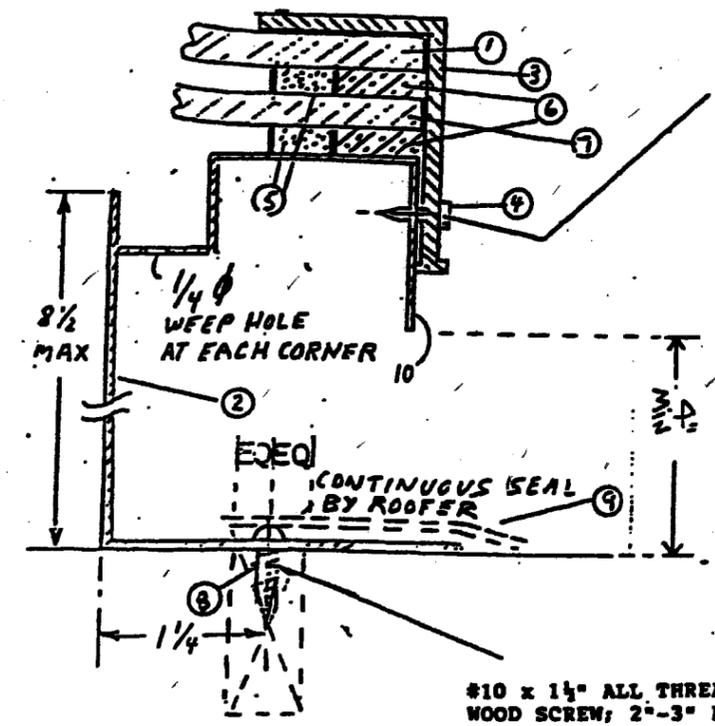
C = Minimum distance equal to 10% of the maximum span but not less than 3". FBC 2604.6.3

TYPICAL SECTION S-S



TYPICAL PLAN

SELF CURBING SKYLIGHT: BILL OF MATERIAL	
PN	DESCRIPTION
1	1/4" Implex acrylic dome by Atofina Chemicals, Inc; Miami-Dade County approved NOA H 00-1220.02
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 SILKONE
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 15, sections 1512 thru 1525 of the 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.

#10 x 1 1/4" ALL THREADED WOOD SCREW; 2"-3" FROM EACH CORNER; BALANCE AT 10" O.C. (MAX) THEREAFTER.

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 05-0201.01  
 Expiration Date 05/10/09  
 By: [Signature]  
 Miami Dade Product Control Division

PRESSURE RATING  
 +/- 100  
 P.S.F.

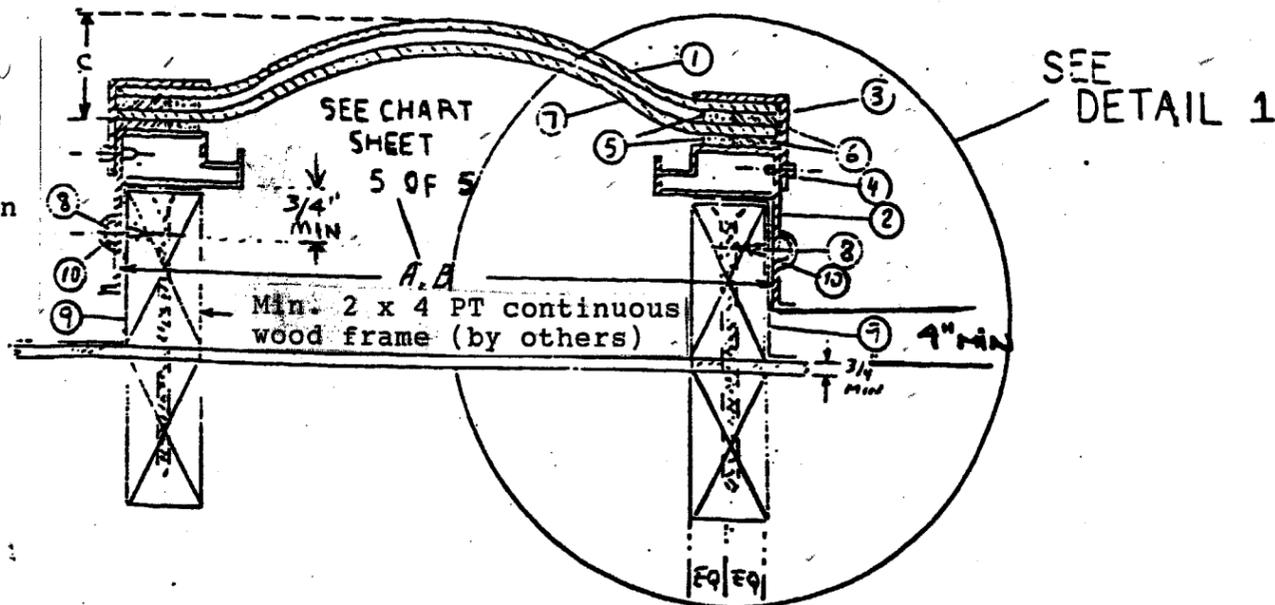
MAR 28 2005  
 WALTER A. TILLIT JR., P.E.  
 STRUCTURAL ENGINEER  
 FL. LIC. NO. 44167  
  
 TILLIT TESTING & ENGINEERING COMPANY  
 6365 NW 36th STREET, STE. 305  
 MIAMI, FLORIDA 33166

DESIGN PLASTICS, INC.  
 701 N. ANDREWS AVE. FT. LAUD., FL. 33311  
 SCALE: NTS  
 DATE: 8/17/00  
 APPROVED BY:  
 DRAWN BY: GT  
 REVISED: 12/21/04  
 DETAILS FOR SELF CURBING SKYLIGHTS  
 DRAWING NUMBER: 1 OF 5



SEE CHART 5 OF 5

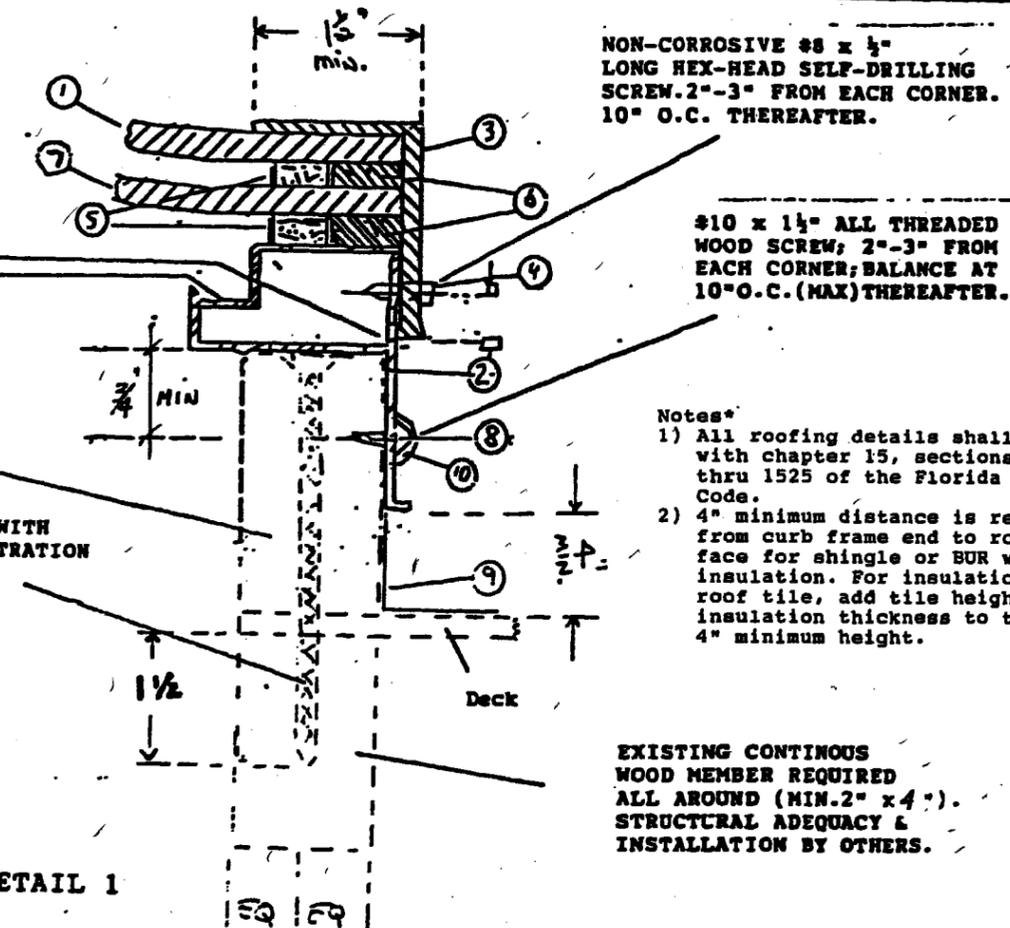
C = Minimum distance equal to 10% of the maximum span but not less than 3". FBC 2604.6.3



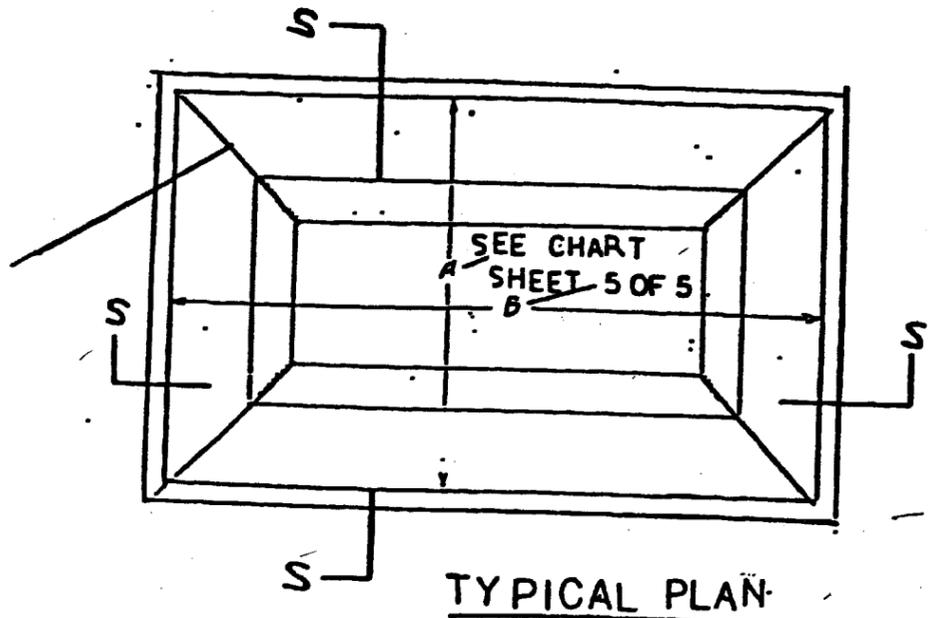
TYPICAL SECTION S-S

CURB-MOUNT SKYLIGHT: BILL OF MATERIALS

PN	DESCRIPTION
1	1/4" Implex acrylic dome by Atofina Chemicals, Inc; Miami-Dade County approved NOA H 00-1220.02
2	CURB FRAME; 6063 TS ALUM. ALLOY
3	RETAINER FRAME; 6063 TS ALUM. ALLOY
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	#18 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



DETAIL 1



TYPICAL PLAN

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

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

- Notes\*
- 1) All roofing details shall comply with chapter 15, sections 1512 thru 1525 of the 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.

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

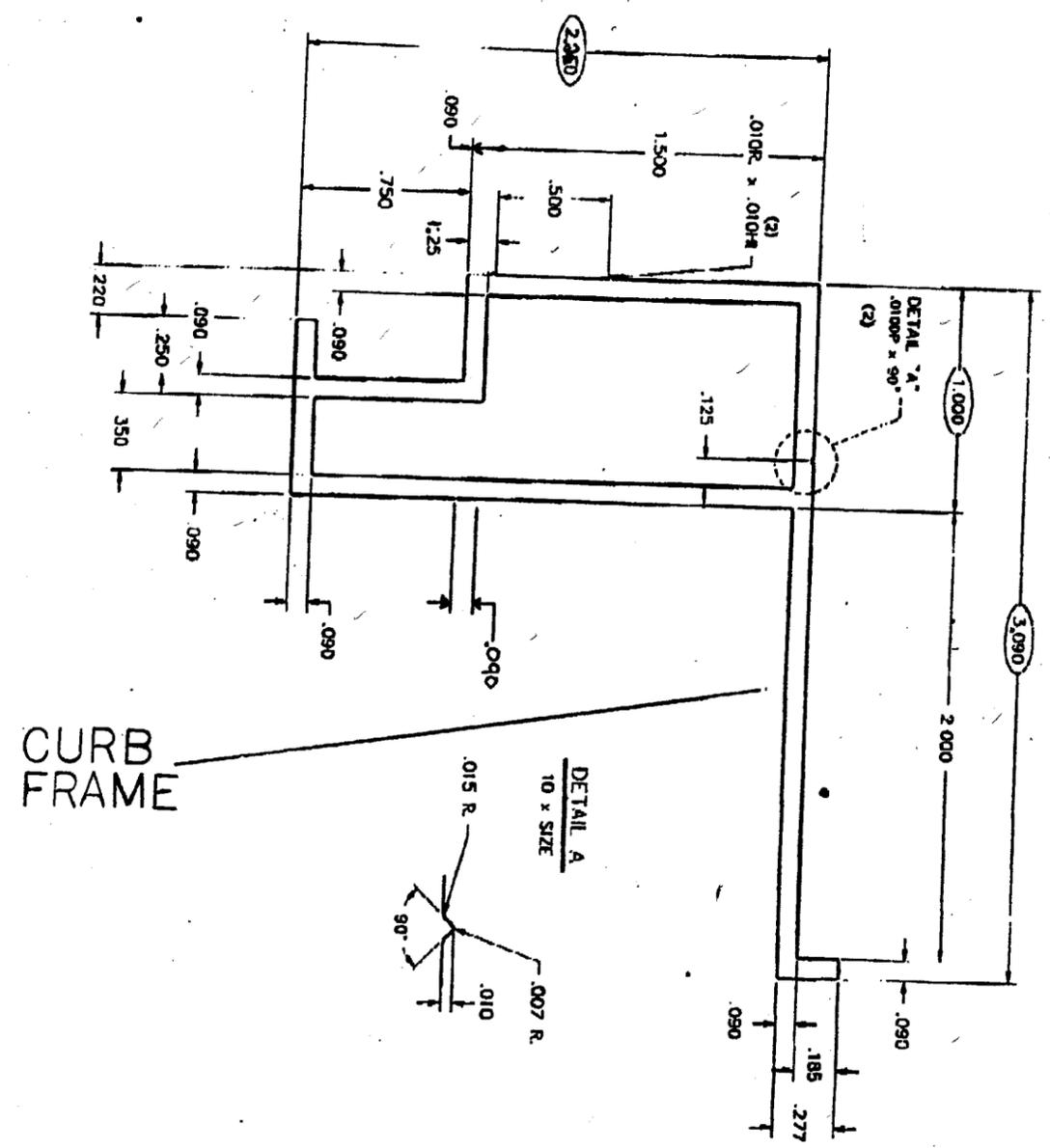
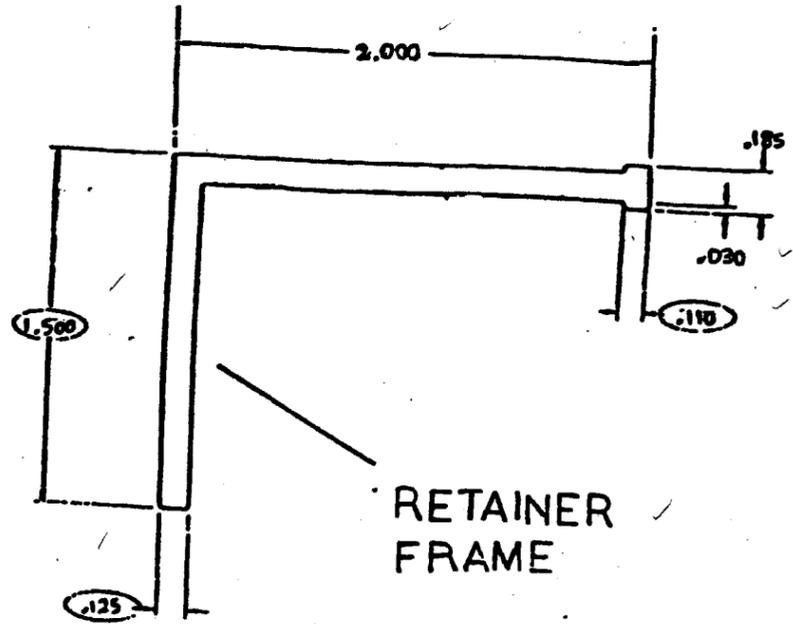
#10 WOOD SCREWS WITH 1/2" MINIMUM PENETRATION INTO MEMBER, AND SPACED 8" O.C.

PRESSURE RATING  
+- 100  
P.S.F.

PRODUCT REVISED  
as complying with the Florida Building Code  
Acceptance No. 05-020101  
Expiration Date 03/12/09  
By [Signature]  
Miami Dade Product Control Division

MAR 28 2005  
WALTER A. TILLIT JR., P.E.  
STRUCTURAL ENGINEER  
FL. LIC. NO. 44167  
TILTECO INC.  
TILLIT TESTING & ENGINEERING COMPANY  
6355 NW 36th STREET, STE. 305  
MIAMI, FLORIDA 33168

DESIGN PLASTICS, INC.  
701 N. ANDREWS AVE. FT. LAUD., FL. 33311  
SCALE: NTS  
DATE: 8/17/00  
APPROVED BY: [Signature]  
DRAWN BY GT  
REVISED 12/21/04  
DETAILS FOR CURB MOUNT SKYLIGHTS  
DRAWING NUMBER 3 OF 5



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-0201-01  
 Expiration Date 05/19/09  
 By: *[Signature]*  
 Miami Dade Product Control  
 Division

 MAR 28 2005 <b>WALTER A. TILLIT JR., P.E.</b> <b>STRUCTURAL ENGINEER</b> <b>FL. LIC. NO. 44167</b>  <b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6355 NW 36th STREET, STE. 305 MIAMI, FLORIDA 33166	<b>DESIGN PLASTICS, INC.</b> 701 N. ANDREWS AVE. FT. LAUD., FL. 33311	
	SCALE: NTS DATE: 8/17/00	APPROVED BY: <i>[Signature]</i>
<b>COMPONENTS FOR CURB MOUNTING SKYLIGHTS</b>		
		DRAWING NUMBER <b>4 OF 5</b>

**BASIC DIMENSIONS CHART  
FOR SELF CURBING SKYLIGHTS**

DL 2001	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

C = Minimum distance equal to 10% of the maximum span but not less than 3". FBC 2604.6.3

**BASIC DIMENSIONS CHART  
FOR CURB MOUNTING SKYLIGHTS**

DL 3001	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

General Notes

- Skylight shown on this Product Approval Document (P.A.D.) has been verified for compliance with the 2001 edition of the Florida Building Code as per Fenestration Testing Laboratory Report # 2608. Skylight may be installed within High Velocity Hurricane Zones. Design loads shall be determined as per section 6 of ASCE 7-98 for a basic wind speed of 146 mph.
- Skylight assembly shall be installed separated from each other a distance of no less than 4'-0" measured in a horizontal plane per Florida Building Code 2605.4.4.2.
- 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, per Florida Building Code 2605.4.4.3.
- This skylight shall comply with section 2605.4.4.1 of the Florida Building Code
- Acrylic sheet shall be as manufactured by Atofina Chemical, Inc. - Implex Acrylic Sheets, which bears a current Miami Dade County Approval # 00-1220.02
- 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.
 

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

<u>Finish</u>	<u>Specifications</u>
Pigmented organic coating	AAMA 2603, 2604 or 2605
Anodized	AAMA 611
- Skylight supporting frame shall be structurally designed by others.
- (A) This Product Approval Document (P.A.D.) prepared by this engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the P.A.D.  
 (B) Contractor to be responsible for the selection, purchase and installation including life safety of this product based on this Product Approval provided he/she does not deviate from the conditions detailed on this document. Construction safety at site is the contractor's responsibility.  
 (C) This Product Approval Document will be considered invalid if modified.  
 (D) Site specific projects shall be prepared by a Florida Registered Engineer or Architect which will become the Professional of Record (P.O.R.) for the project and who will be responsible for the proper use of the P.A.D.  
 (E) This P.A.D. shall comply with section 2: 61G15 of the Florida Administrative Code.

CHARTS INCLUDE STANDARD SIZES LISTED ABOVE  
 CHARTS DO NOT INCLUDE CUSTOM SIZES UP TO LARGEST SIZE LISTED\*  
 \* NOT PART OF THIS APPROVAL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 05-020101 Expiration Date 05/10/09 By: Miami Dade Product Control Division	 MAR 28 2005 <b>WALTER A. TILLIT JR., P.E.</b> STRUCTURAL ENGINEER FL. LIC. NO. 44167  TILLIT TESTING & ENGINEERING COMPANY 8365 NW 36th STREET, STE. 305 MIAMI, FLORIDA 33166	DESIGN PLASTICS, INC. 701 N. ANDREWS AVE. FT. LAUD., FL. 33311 SCALE: NTS DATE: 8/17/00 APPROVED BY: _____ DRAWN BY GT REVISED 12/21/04 BASIC DIMENSIONS CHARTS / GENERAL NOTES DRAWING NUMBER 5 OF 5
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