MIAMI-DADE COUNTY

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) 372-6339
www.miamidade.gov/buldingcode

NOTICE OF ACCEPTANCE (NOA)

Sun-Tek Manufacturing, Inc.
10303 General Drive.
Orlando, Florida 32824

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: Sun-Tek Tubular Skylight

APPROVAL DOCUMENT: Drawing No. **TL-22001**, titled "21", 14" & 10" Tube Light/Tubular Skylights", sheets 1 through 7 of 7, prepared by Sun-Tek Industries, Inc., dated 02/12/09, signed and sealed by James D. Wells, Jr., P.E., 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 and Small Missile Impact Resistant.

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 **renews and revises NOA # 08-0417.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

5/20/09

NOA No 09-0422.01
Expiration Date: May 26, 2013
Approval Date: June 10, 2009

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **TL-22001**, titled "21", 14" & 10" Tube Light/Tubular Skylights", sheets 1 through 7 of 7, prepared by Sun-Tek Industries, Inc., dated 02/12/09, signed and sealed by James D. Wells, Jr., P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with marked-up drawings and installation diagram of 21" Tube Aluminum Skylights, prepared by National Certified Testing Laboratories, Test Report No. **210-3520-01**, dated 03/04/09, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor calculations prepared by J & L Wells Consulting, LLC, dated 04/14/09, signed and sealed by James D. Wells, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **08-0305.02**, issued to SABIC Innovative Plastics, for their Lexan Sheet Products, approved on 04/24/08 and expiring on 07/17/13.
2. Notice of Acceptance No. **05-0907.03**, issued to Palram Americas, Inc., for their Corrugated and Flat Polycarbonate Panels, approved on 08/31/06 and expiring on 01/22/2011.

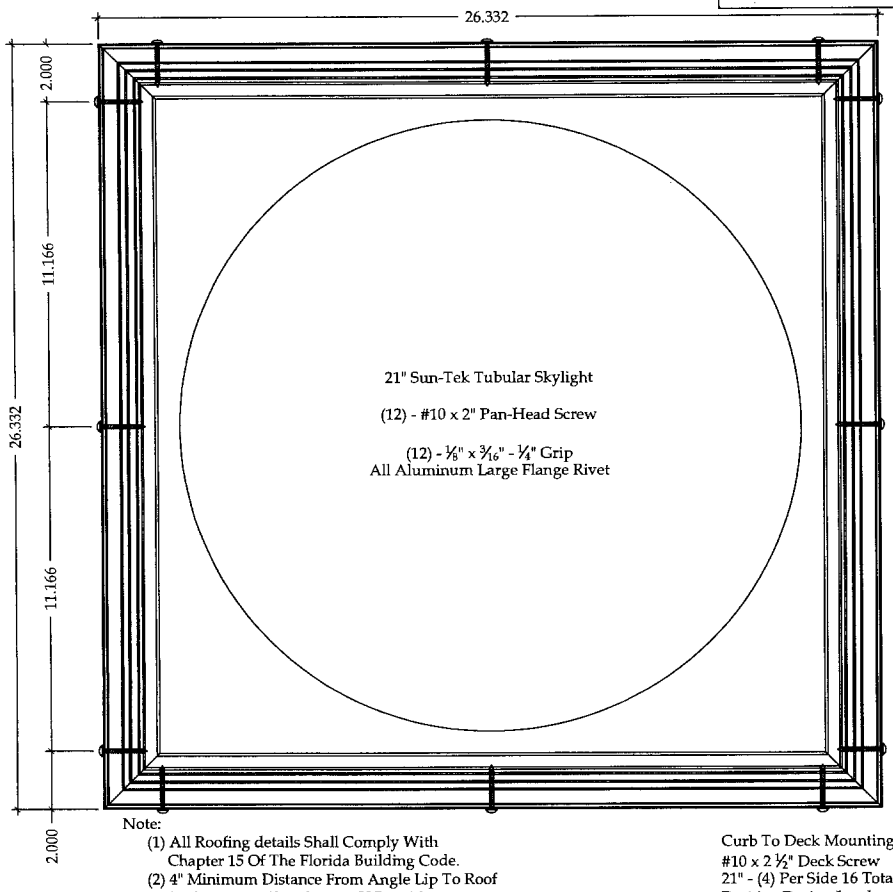
F. STATEMENTS

1. Code compliance statement issued by J & L Wells Consulting, LLC, dated 04/14/09, signed and sealed by James D. Wells, Jr., P.E.

5/20/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 09-0422.01
Expiration Date: May 26, 2013
Approval Date: June 10, 2009

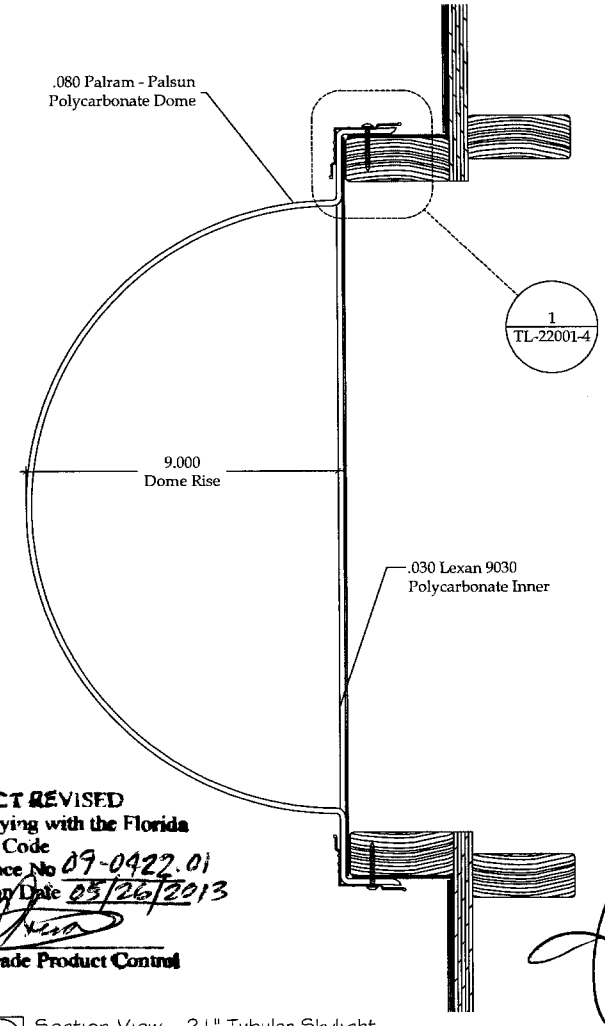
PART NAME:	DRAWN BY:	SHEET #:	DWG #:
EXTERIOR DOME TUBE LIGHT / METRO DADE	KB	1 OF 7	TL-22001-1



Note:
(1) All Roofing details Shall Comply With Chapter 15 Of The Florida Building Code.
(2) 4" Minimum Distance From Angle Lip To Roof Surface Is For Shingle Or B.U.R. Without Insulation. For Insulation And Tile Roof Add Tile Height And Insulation Thickness To 4" Minimum Height.
(3) Anchor To Be Made Of Non-Corrosive Material, Compatable With Aluminum.

Curb To Deck Mounting Requirements
#10 x 2 1/2" Deck Screw
21" - (4) Per Side 16 Total
Positive Design Load 65 psf.
Negative Design Load 65 psf.
Water Test Pressure .15 psf.
Dome Material:
.080 Palram - Palsun Polycarbonate
Acceptance No. 05-0907.03
.030 Lexan 9030 Polycarbonate Inner
Acceptance No. 08-0305.02

1 Plan View - 21" Tubular Skylight
Scale: 3" = 1'-0"



2 Section View - 21" Tubular Skylight
Scale: 3" = 1'-0"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0422.01
Expiration Date 05/26/2013
By
Miami Dade Product Control Division

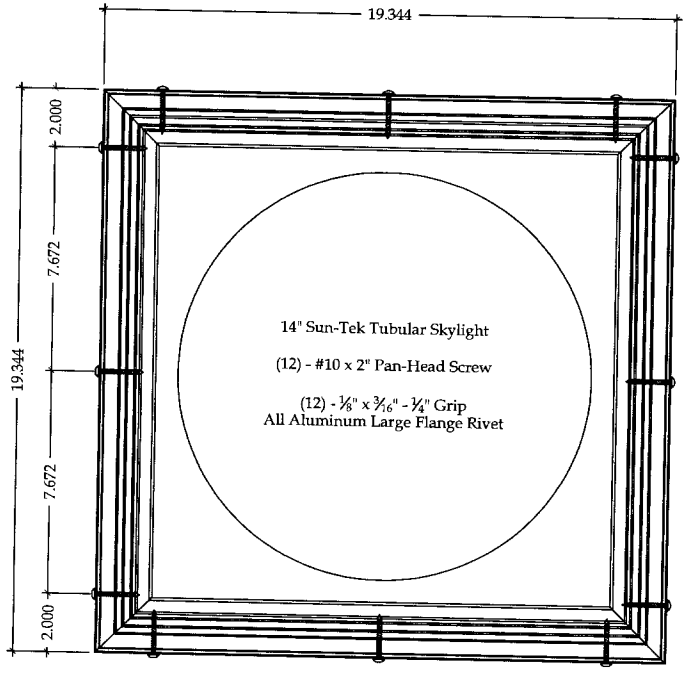
4/14/09

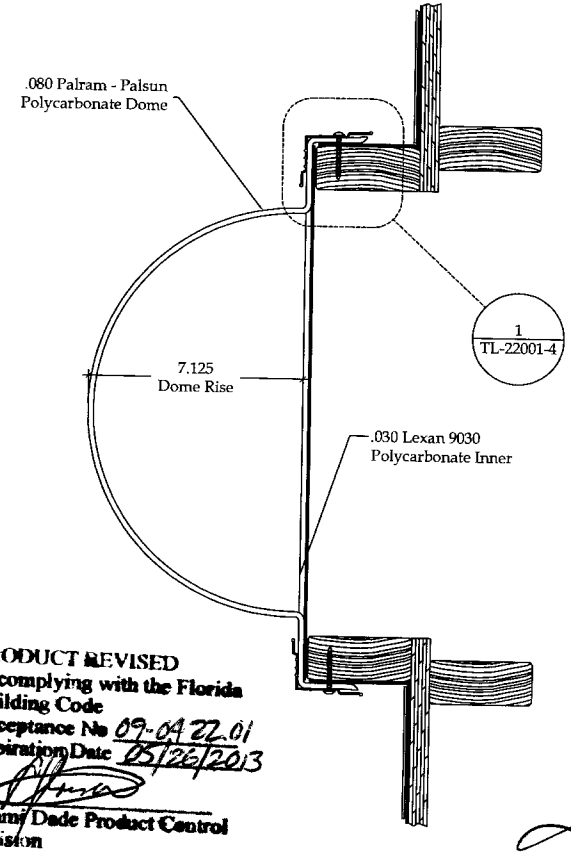
James D. Wells, Jr., P.E.
Professional Engineer No. 53616
J & L Wells Consulting LLC
1345 Unity Court
Casselberry, FL 32707
(407) 496-5489
Certificate of Authorization No. 27162

REVISION:		REVISION:		PRODUCT NAME:			
INI:	DATE:	INI:	DATE:	21" TUBE LIGHT			
				DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001	

SUN-TEK MANUFACTURING, INC.
10303 GENERAL DRIVE ORLANDO, FL 32824

PART NAME:	DRAWN BY:	SHEET #:	DWG #:
EXTERIOR DOME TUBE LIGHT / METRO DADE	KB	2 OF 7	TL-22001-2





Note:
(1) All Roofing details Shall Comply With Chapter 15 Of The Florida Building Code.
(2) 4" Minimum Distance From Angle Lip To Roof Surface Is For Shingle Or B.U.R. Without Insulation. For Insulation And Tile Roof Add Tile Height And Insulation Thickness To 4" Minimum Height.
(3) Anchor To Be Made Of Non-Corrosive Material, Compatable With Aluminum.

Curb To Deck Mounting Requirements
#10 x 2 1/2" Deck Screw
14" - (4) Per Side 16 Total

Positive Design Load	65 psf.
Negative Design Load	65 psf.
Water Test Pressure	.15 psf.

Dome Material:
.080 Palram - Palsun Polycarbonate
Acceptance No. 05-0907.03
.030 Lexan 9030 Polycarbonate Inner
Acceptance No. 08-0305.02

PRODUCT REVISED
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Miami Dade Product Control Division

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4/14/09

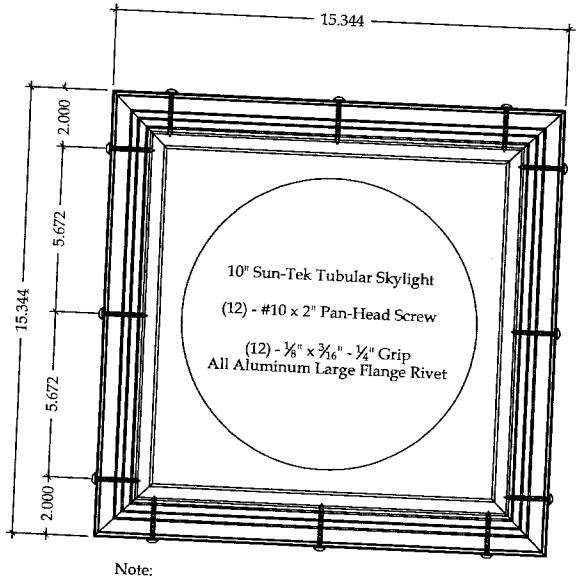
1 Plan View - 14" Tubular Skylight
Scale: 3" = 1'-0"

2 Section View - 14" Tubular Skylight
Scale: 3" = 1'-0"

REVISION:		REVISION:		PRODUCT NAME:		
INI:	DATE:	INI:	DATE:	14" TUBE LIGHT		
				DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001

SUN-TEK MANUFACTURING, INC.
10303 GENERAL DRIVE ORLANDO, FL 32824

PART NAME:	DRAWN BY:	SHEET #:	DWG #:
EXTERIOR DOME TUBE LIGHT / METRO DADE	KB	3 OF 7	TL-22001-3

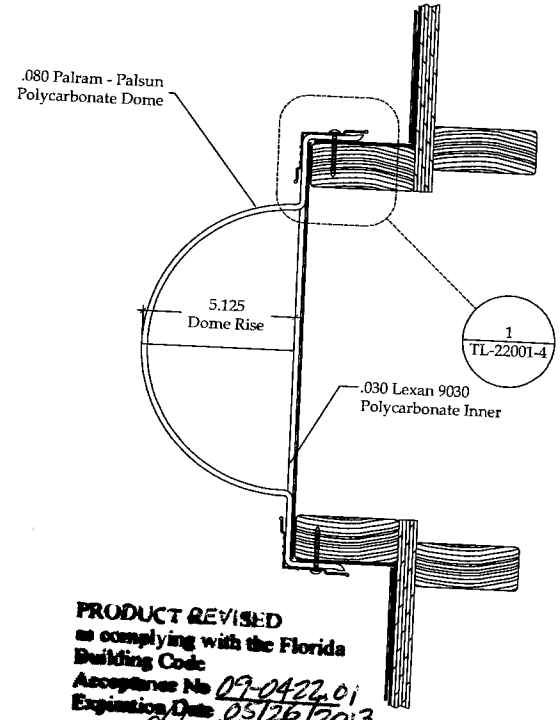


Note:
(1) All Roofing details Shall Comply With Chapter 15 Of The Florida Building Code.
(2) 4" Minimum Distance From Angle Lip To Roof Surface Is For Shingle Or B.U.R. Without Insulation. For Insulation And Tile Roof Add Tile Height And Insulation Thickness To 4" Minimum Height.
(3) Anchor To Be Made Of Non-Corrosive Material, Compatable With Aluminum.

Curb To Deck Mounting Requirements
#10 x 2 1/2" Deck Screw
10" - (4) Per Side 16 Total

Positive Design Load	65 psf.
Negative Design Load	65 psf.
Water Test Pressure	.15 psf.

Dome Material:
.080 Palram - Palsun Polycarbonate
Acceptance No. 05-0907.03
.030 Lexan 9030 Polycarbonate Inner
Acceptance No. 08-0305.02



PRODUCT REVISED
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Acceptance No 09-0422.01
Expiration Date 05/26/2013
By
Miami Dade Product Control Division

4/14/09

1 Plan View - 10" Tubular Skylight
Scale: 3" = 1'-0"

2 Section View - 10" Tubular Skylight
Scale: 3" = 1'-0"

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1345 Unity Court
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(407) 496-5489
Certificate of Authorization No. 27162

James D. Wells, Jr., P.E.
Professional Engineer No. 53616

REVISION:		REVISION:		PRODUCT NAME:		
INI:	DATE:	INI:	DATE:	10" TUBE LIGHT		
				DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001

SUN-TEK MANUFACTURING, INC.
10303 GENERAL DRIVE ORLANDO, FL 32824

PART NAME: Deco Ring	DRAWN BY: KB	SHEET #: 4 OF 7	DWG #: TL-22001-4

PRODUCT REVISED
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Acceptance No 09-0422.01
Expiration Date 05/26/2013
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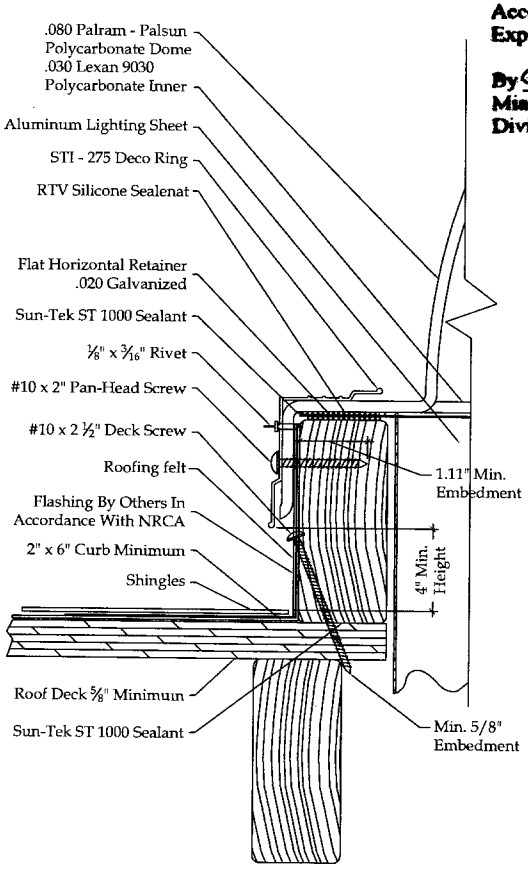
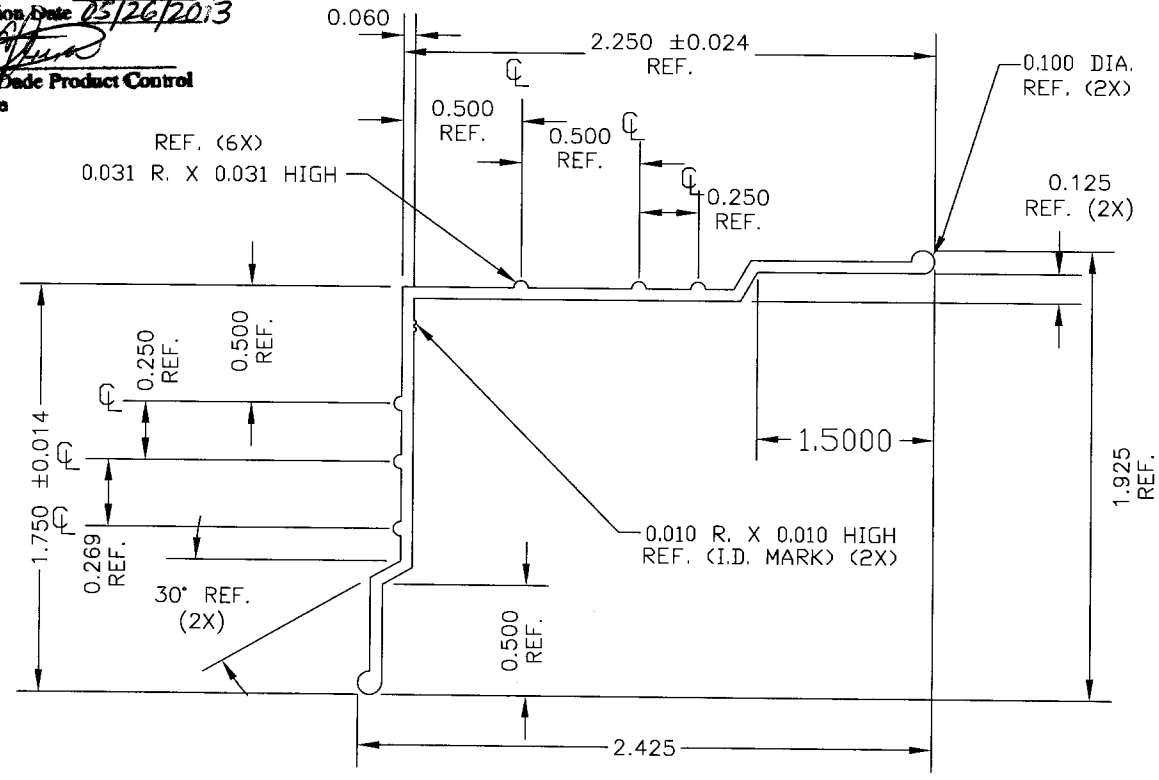
Miami Dade Product Control Division



1 Enlarged Detail - Tubular Skylight Mounting Connection
Scale: 3" = 1'-0"



2 Enlarged Detail - Tubular Skylight Mounting Clip STI-275
Scale: 1'-0" = 1'-0"

Material: Solid Aluminum, 6063 T6 grade
.264 wt./ft.

James D. Wells, Jr., P.E.
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J & L Wells Consulting LLC
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Casselberry, FL 32707
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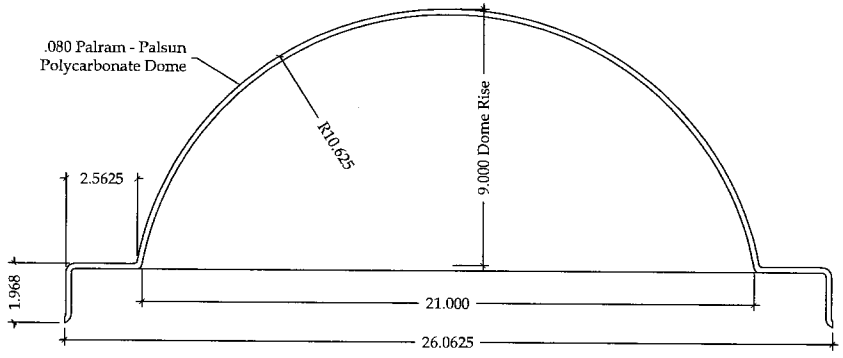
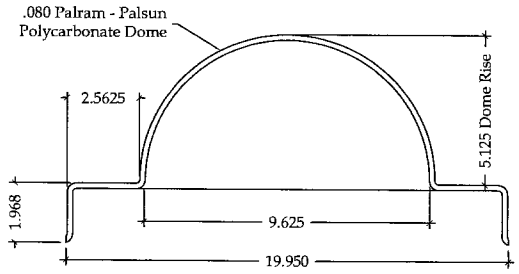
REVISION:		REVISION:		PRODUCT NAME: 21", 14" & 10" TUBE LIGHT				SUN-TEK MANUFACTURING, INC.
INI:	DATE:	INI:	DATE:	DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001		10303 GENERAL DRIVE ORLANDO, FL 32824

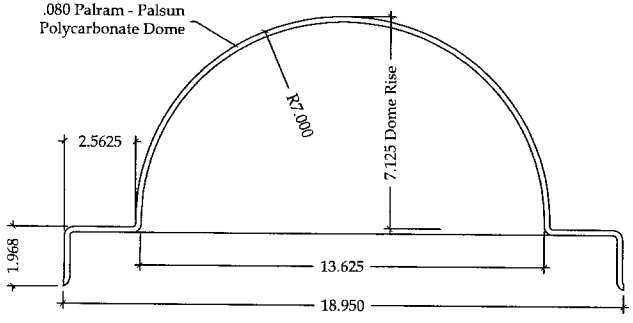
PART NAME:	DRAWN BY:	SHEET #:	DWG #:
Palram - Palsun Dome	KB	5 OF 7	TL-22001-5



1 Enlarged Detail - 21" Tubular Skylight Dome
Scale: 3" = 1'-0"



3 Enlarged Detail - 10" Tubular Skylight Dome
Scale: 3" = 1'-0"



2 Enlarged Detail - 14" Tubular Skylight Dome
Scale: 3" = 1'-0"

James D. Wells, Jr., P.E.
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PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0422.01
Expiration Date 05/26/2013
By _____
Miami-Dade Product Control Division

4/14/09

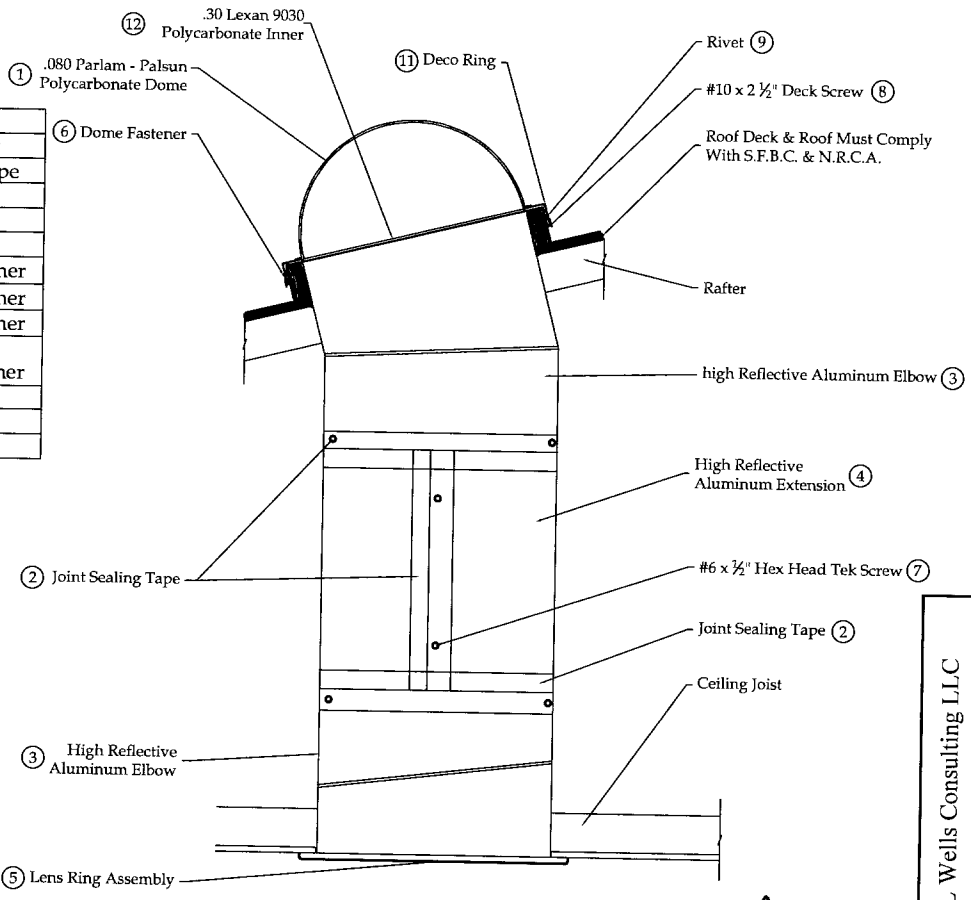
REVISION:		REVISION:		PRODUCT NAME:			
INI:	DATE:	INI:	DATE:	21", 14" & 10" TUBE LIGHT			
				DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001	

SUN-TEK MANUFACTURING, INC.
10303 GENERAL DRIVE ORLANDO, FL 32824

PART NAME: Installation Description	DRAWN BY: KB	SHEET #: 6 OF 7	DWG #: TL-22001-6

Item	Part Name	Description	Vendor
1	Exterior Dome	.080 Palram - Palsun	R.S. Supply
2	*Sealing Tape	Duct Tape (2")	Venture Tape
3	*Elbows	MIRO 4	Alanod
4	*Connector	MIRO 4	Alanod
5	Lens Ring Assembly	Interior Dome	
6	#10 PHS x 2"	Fasteners Exterior Dome	Merit Fastener
7	*#6 x ½" Hex Tek Screw	Tube Fasteners	Merit Fastener
8	#10 x 2 ½" Deck Screws	Curb Anchors	Merit Fastener
9	⅛" x 3/16" - ¼" Grip All Alum Large Flange Rivet	Deco Ring Fastener	Merit Fastener
10	*.020 Galvanized	Tube Retainer	
11	Deco Ring	Extrusion	Loxscreen
12	Inner Panel	.030 Lexan-9030	Sabic

* This Approval Is Limited To The Dome And The Attachment To The Structure And The Roof. All Others Are Not Part Of This Approval.



Dome Specifications:

21" Dome Height	=	9"
14" Dome Height	=	7 ⅛"
10" Dome Height	=	5 ⅛"

PRODOCT REVISED
as complying with the Florida Building Code
Acceptance No 09-0422.01
Expiration Date 05/26/2013
By
Miami Dade Product Control Division

1 Section View - Tubular Skylight Assembly
Scale: 3" = 1'-0"

James D. Wells, Jr., P.E.
Professional Engineer No. 53616

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1345 Unity Court
Casselberry, FL 32707
(407) 496-5489
Certificate of Authorization No. 27162

4/14/09

REVISION:		REVISION:		PRODUCT NAME: TUBULAR SKYLIGHT			SUN-TEK MANUFACTURING, INC.
INI:	DATE:	INI:	DATE:	DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001	10303 GENERAL DRIVE ORLANDO, FL 32824

PART NAME:	DRAWN BY:	SHEET #:	DWG #:
Tube Retainers	KB	7 OF 7	TL-22001-7

J & L Wells Consulting LLC
1345 Unity Court
Casselberry, FL 32707
(407) 496-5489
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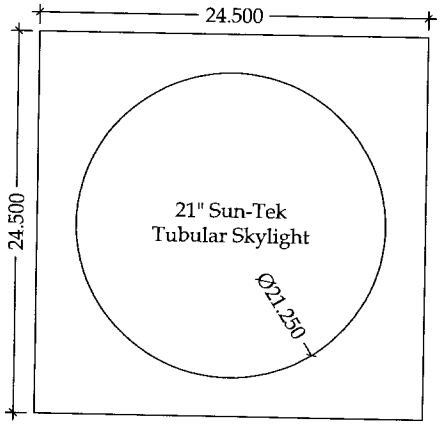
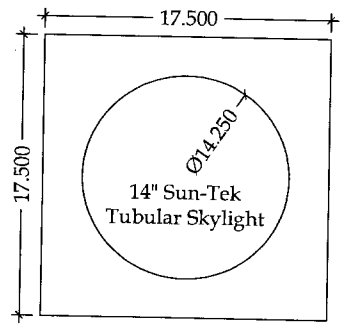
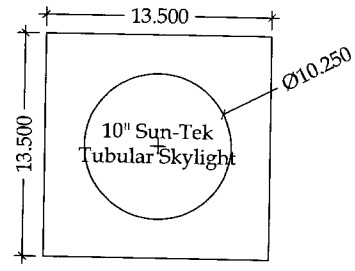
James D. Wells, Jr., P.E.
Professional Engineer No. 53616



1 Enlarged Detail - 21" Tube Retainers
Scale: 3" = 1'-0"



2 Enlarged Detail - 14" Tube Retainers
Scale: 3" = 1'-0"



3 Enlarged Detail - 10" Tube Retainers
Scale: 3" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0422.01
Expiration Date 05/26/2013
By
Miami Dade Product Control
Division
4/14/09

REVISION:		REVISION:		PRODUCT NAME:		
INI:	DATE:	INI:	DATE:	21", 14" & 10" TUBE LIGHT		
				DATE: 02-12-09	SCALE: AS NOTED	DWG #: TL-22001

SUN-TEK MANUFACTURING, INC.
10303 GENERAL DRIVE ORLANDO, FL 32824