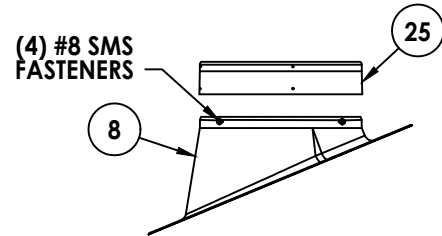
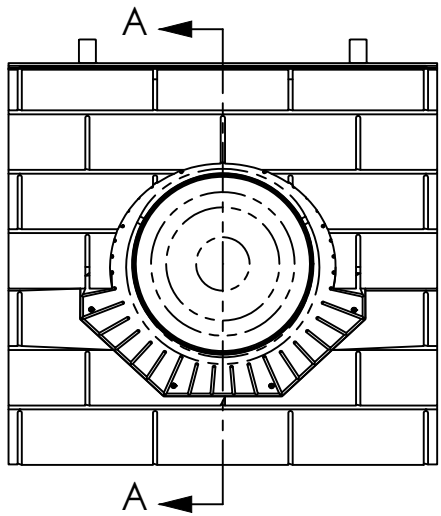


SOLATUBE INTERNATIONAL

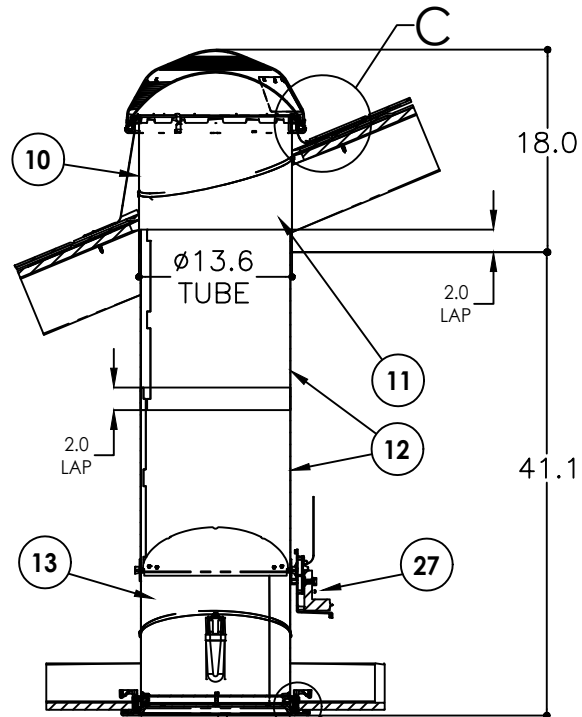
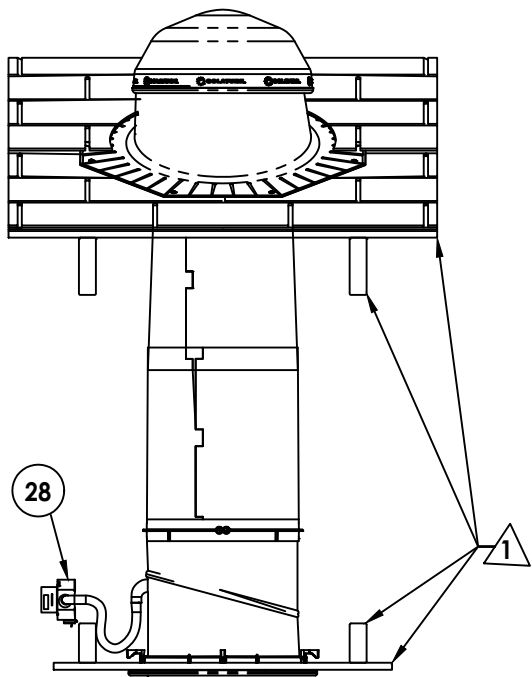
IMPACT 160 DS (10") & 290 DS (14") TUBULAR DAYLIGHT DEVICE

INSTALLATION ANCHORAGE DETAILS

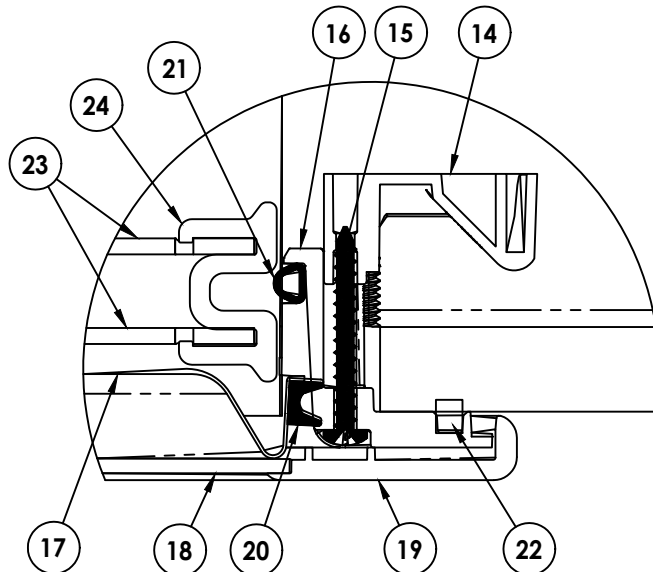
Robert J. Amoruso, P.E.
FL P.E. No. 49752



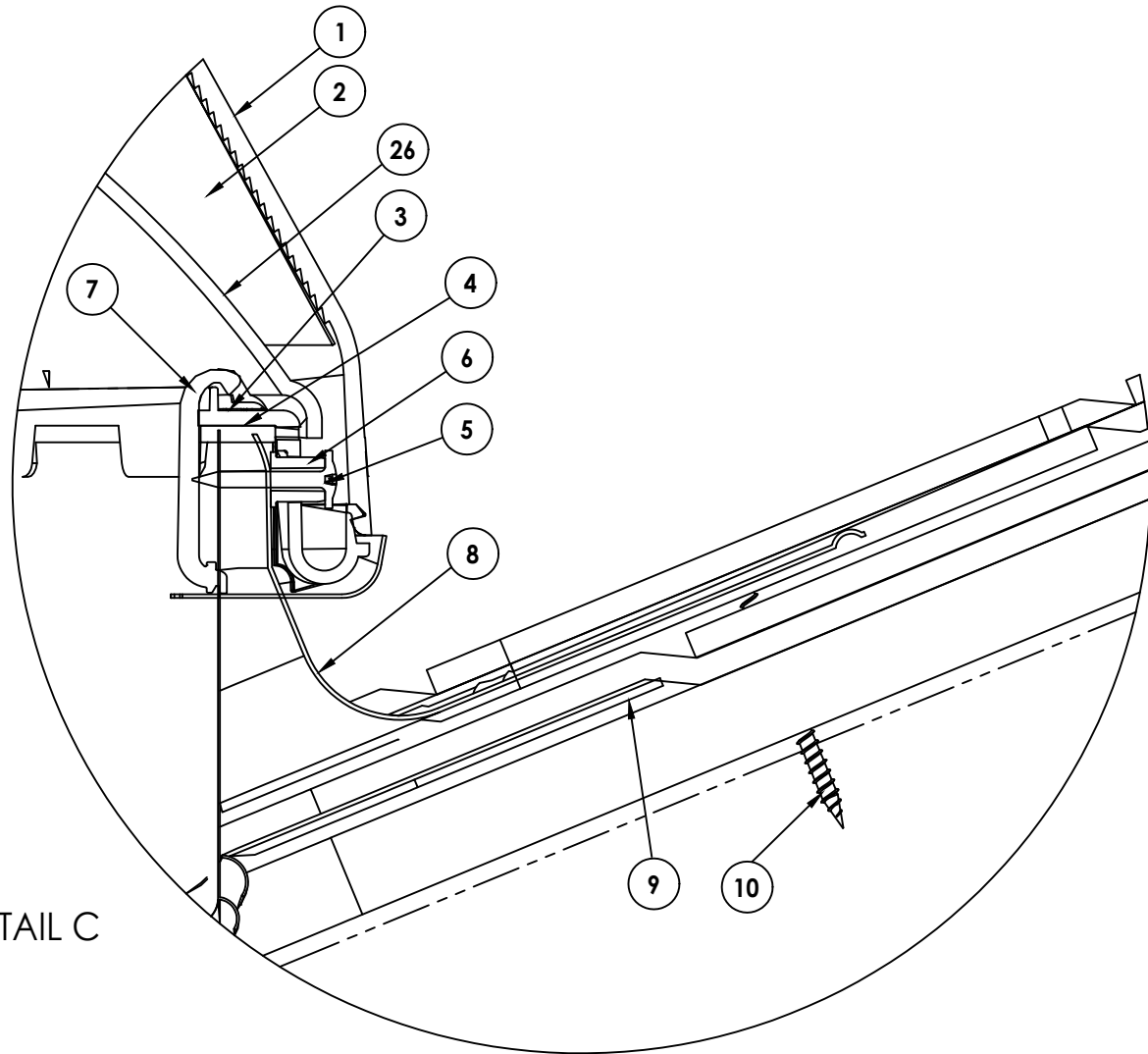
FLASHING SHOWN WITH OPTIONAL
2"-48" TALL TURRET EXTENSION



SECTION A-A



DETAIL B



DETAIL C

NOTES:

1. STRUCTURAL ELEMENTS (PLYWOOD, RAFTERS, DRYWALL ETC.) BY OTHERS & SHOWN FOR REFERENCE ONLY
2. ALL TUBE JOINTS & SEAMS TAPED WITH 2" FOIL TAPE (NOT SHOWN)
3. SEE PAGE 6 FOR ALTERNATE DIFFUSER CONFIGURATIONS
4. ITEM #22; RECTANGULAR FOAM OR SEALANT BEAD

ITEM NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL
1	1	410820	DOVE 290 DS	PMMA
2	1	410830	LIGHTTRACKER RELECTOR 290 DS	ALUMINUM LAMINATE
3	1	410660	DOVE RING 290 DS	PMMA
4	1	600610	FOAM SEAL RECTANGULAR 1/8" X 9/16"	FOAM (VARIOUS)
5	4	700240	SCREW #8 X 1" SMS	STEEL
6	4	410730	DOVE RING SPACER	POLYAMIDE
7	3	410750	TOP TUBE CLIP	PMMA
8	1	VARIES*	FLASHING	STEEL
9	1	700280/700300	SEALANT	URETHANE
10	8	700480	SCREW #10 X 2" SMS	STEEL
11	1	302240	TOP TUBE 290 DS	ALUMINUM LAMINATE
12	1	301800/301830	EXT. TUBE 16"/24" 290 DS	ALUMINUM LAMINATE
13	1	302120	BOTTOM TUBE 290 DS	ALUMINUM LAMINATE
14	4	410220	CLAMP	POLYAMIDE
15	4	700450	SCREW #8 x 1.5" SMS	STEEL
16	1	410415	CEILING RING 290 DS	PMMA
17	1	421345	290 DS NATURAL EFFECT LENS	PET
18	1	410,530,420,080	290 DS DIFFUSER PANEL	PMMA, PC
19	1	410520	DRESS RING 290 DS	PMMA
20	1	600290	290 DS DIFFUSER SEAL	EPDM FOAM
21	1	600445	D-SEAL HOLLOW	EPDM FOAM
22	1	600620	FOAM SEAL RECTANGULAR 3/16" X 1/4"	CLOSED CELL FOAM
	1	-	ALTERNATE (PROVIDED BY USER)	ACRYLIC SEALANT (VARIOUS)

OPTIONAL COMPONENTS				
ITEM NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL
23	2	420260	290 DS INSULATION PANEL (NOT SHOWN)	PMMA
24	4	420270	INSULATION PANEL CLIP (NOT SHOWN)	PMMA
25	1	VARIES**	TURRET EXTENSION	STEEL
26	1	410810	290 DS DOVE SHOCK INNER	PMMA
27	1	570002	290 DS DAYLIGHT DIMMER	
28	1	510000, 501100	LIGHT KIT (SBCFL, 4-pin)	

* P/N'S 200760, 200581, 230445, 230630

** P/N'S 230760, 230540, 230550, 230560, 230570

PROJECT NUMBER: 422-0615

SOLATUBE INTERNATIONAL

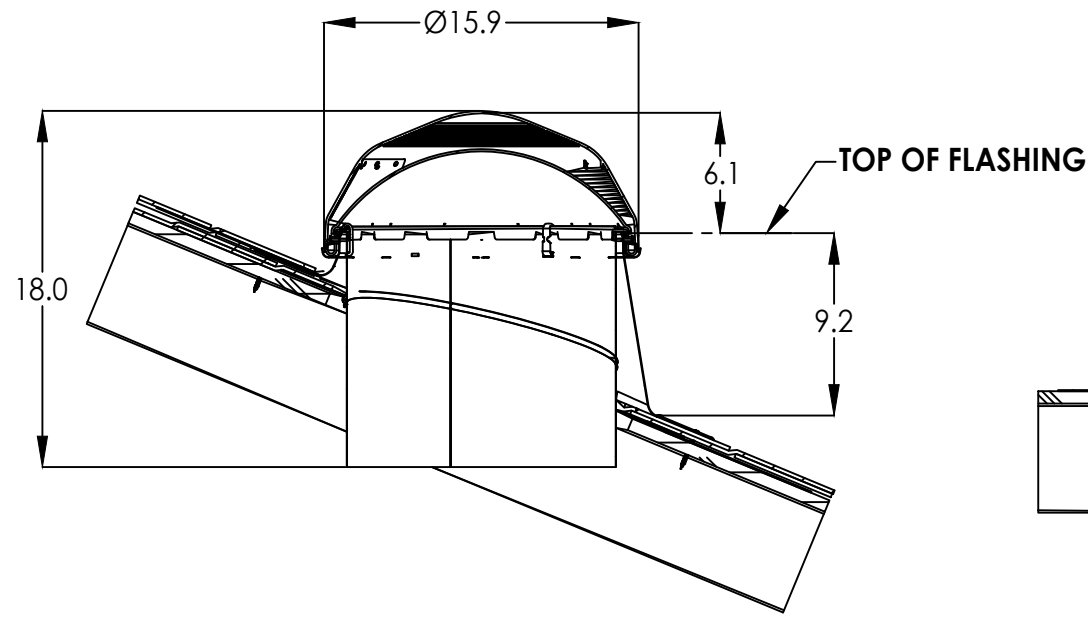
2210 OAK RIDGE WAY
VISTA, CA 92081-9341

TITLE: IMPACT 160 DS (10") & 290 DS (14")
TUBULAR DAYLIGHT DEVICE
ELEVATION, ANCHORING, SECTIONS, DETAILS AND B.O.M.
PREPARED BY: SMC
SCALE: N.T.S.
DATE: 10/08/08
DRAWING NO: SOLA0004
REV: F

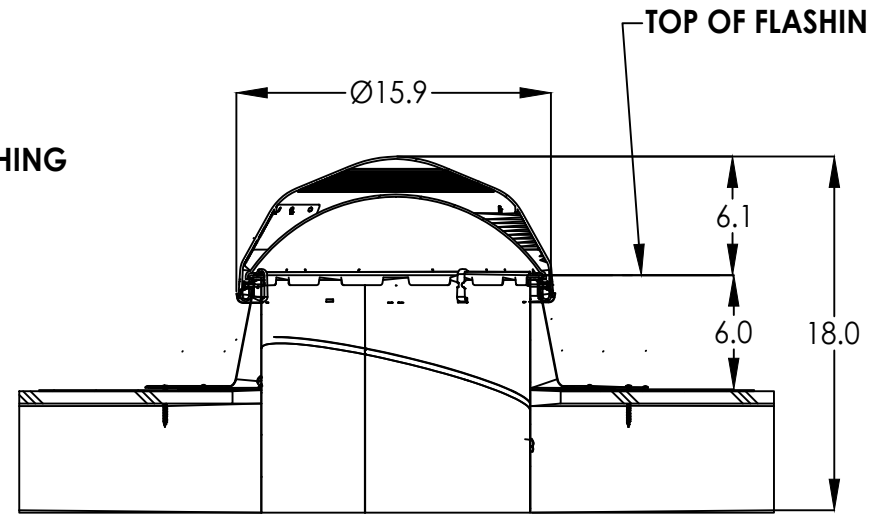
2 OF 8
FBC
DATE
BY
DESCRIPTION
REV

Robert J. Amoroso, P.E.
FL P.E. No. 49752

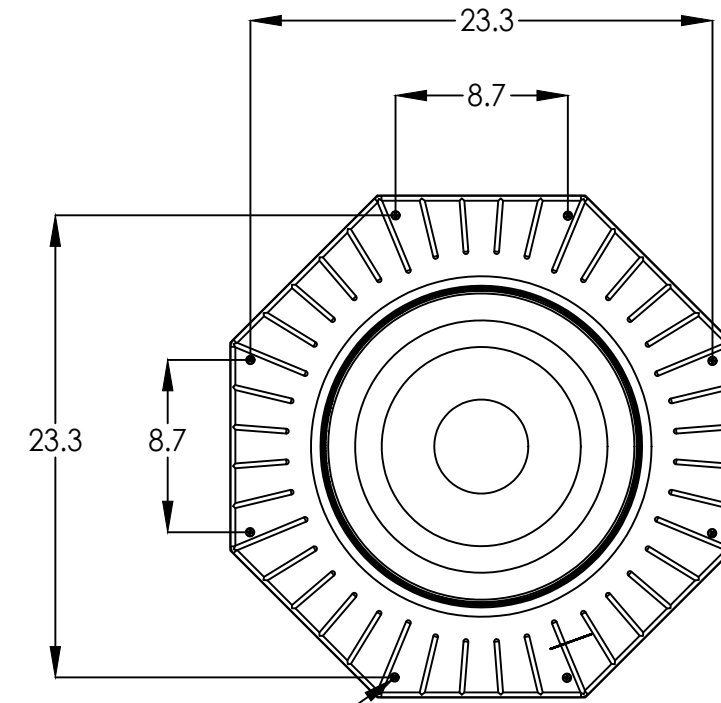
290 DS (14") FLASHING OPTIONS



PITCHED

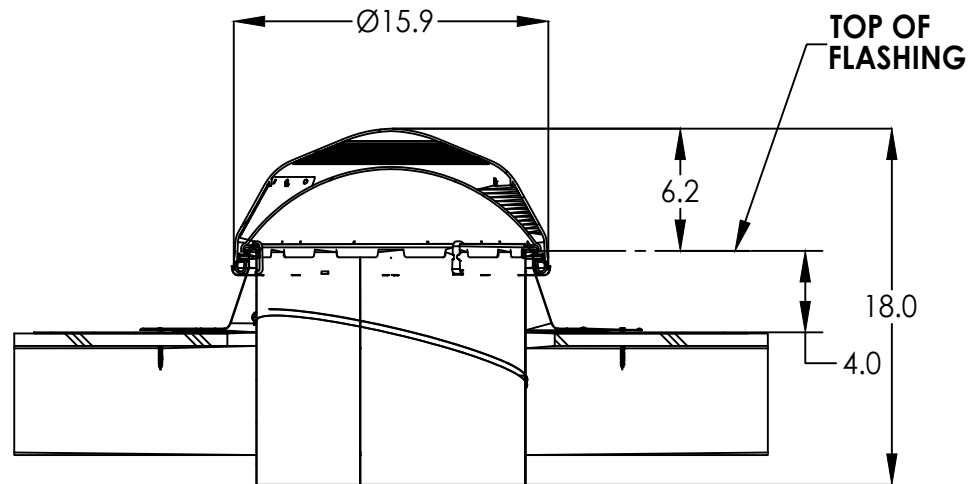


FLAT 6"

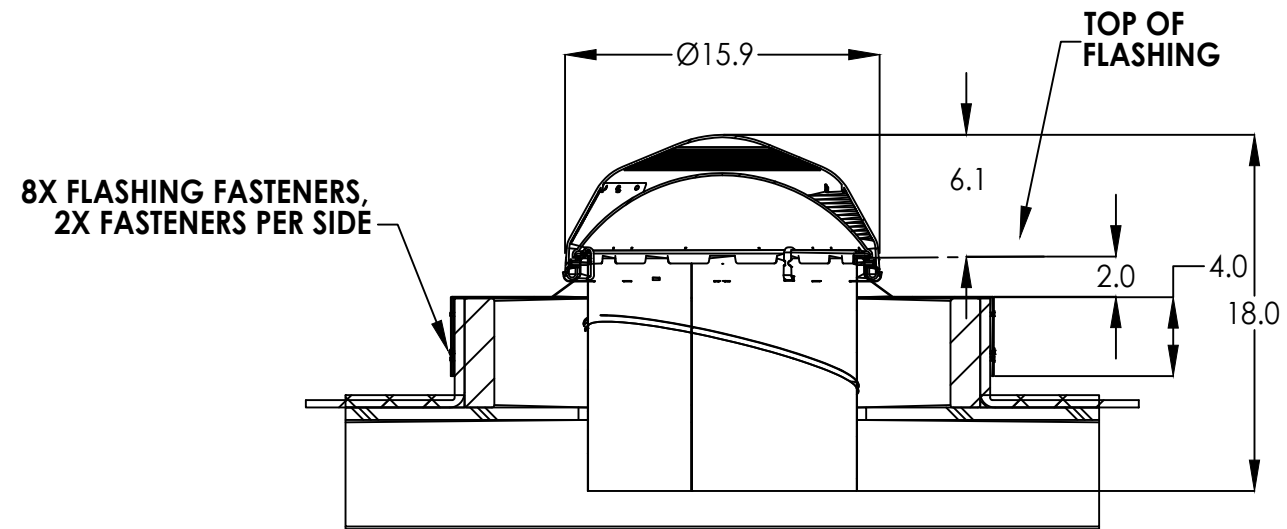


8X FLASHING FASTENERS

FLASHING FASTENER SPACING FLAT 4", FLAT 6" & PITCHED



FLAT 4"



CURB

PROJECT NUMBER: 422-0615

SOLATUBE INTERNATIONAL
2210 OAK RIDGE WAY
VISTA, CA 92081-9341

IMPACT 160 DS (10") & 290 DS (14")
TUBULAR DAYLIGHT DEVICE
290 DS (14") FLASHING OPTIONS

PREPARED BY: _____

ARTC PRODUCT DESIGN GROUP LLC

Phone: 321.690.1788
Fax: 321.690.1789

LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Email: info@ptc-corp.com

DATE: _____

DRAWING NO: 10700700

SOLA0004

SHEET: _____

3 OF 8

DRAWN BY:

SCALE:

N.T.S.

REV: _____

PREPARED BY:

L

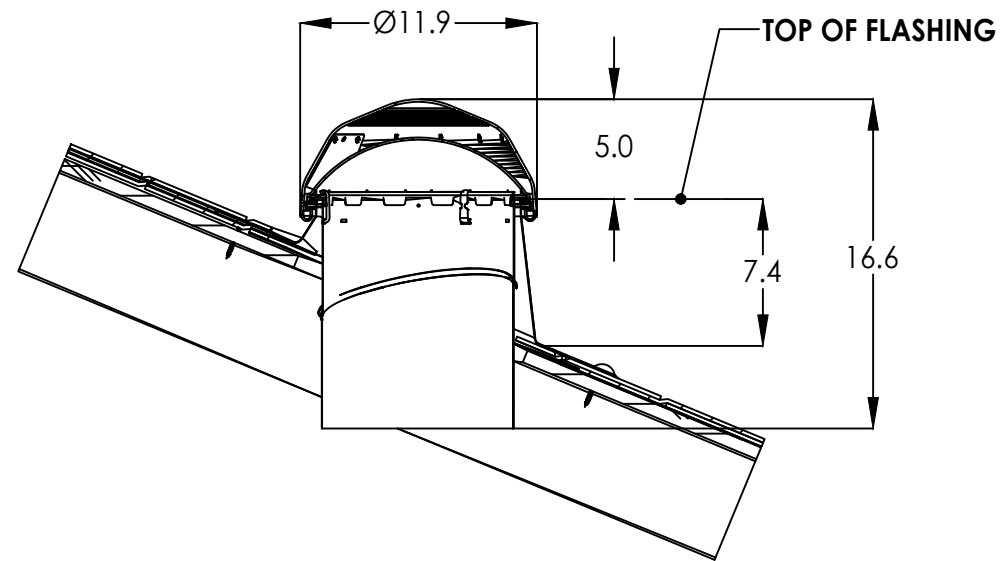
ETC PRODUCT DES

PO BOX 1

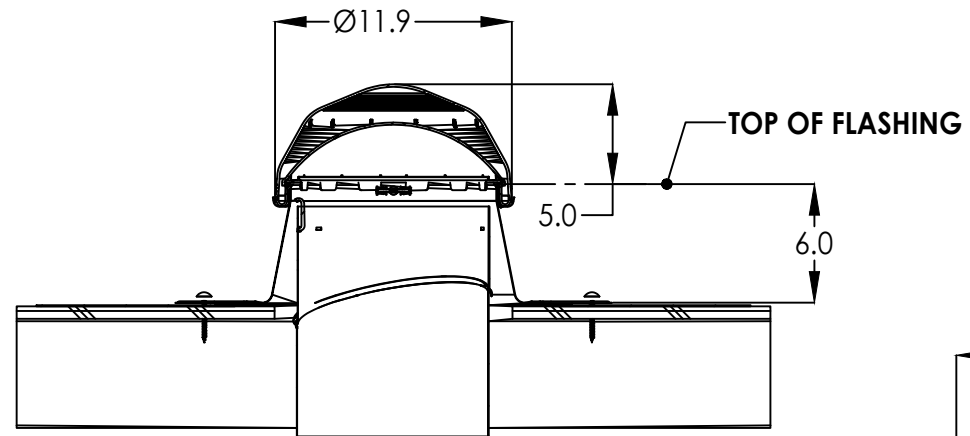
LONGWOOD, FL
FBPE C.A. N

Robert J. Amoruso, P.E.
FL P.E. No. 49752

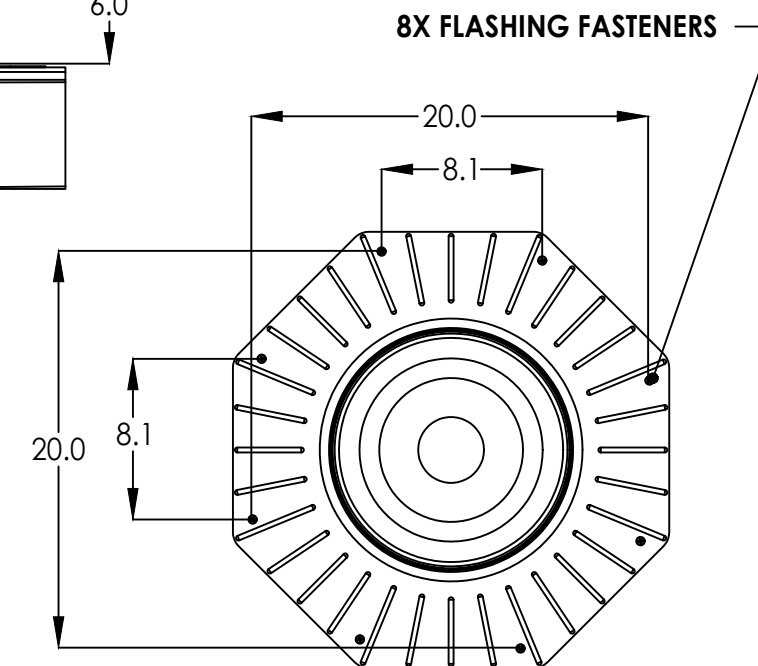
160 DS (10") FLASHING OPTIONS



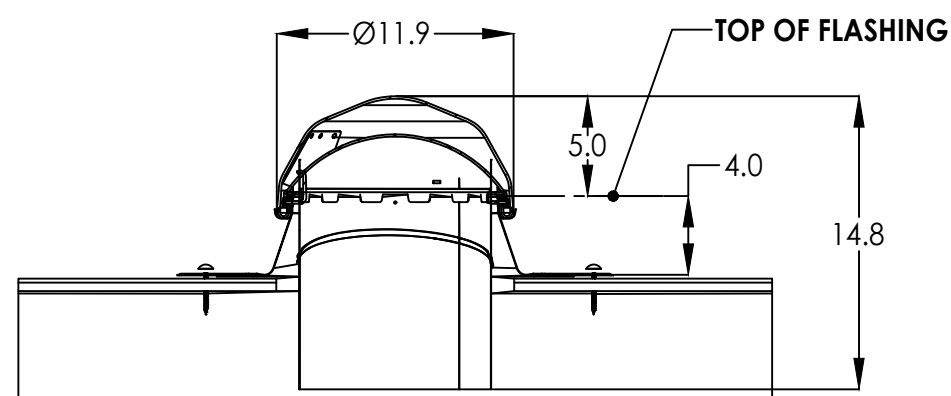
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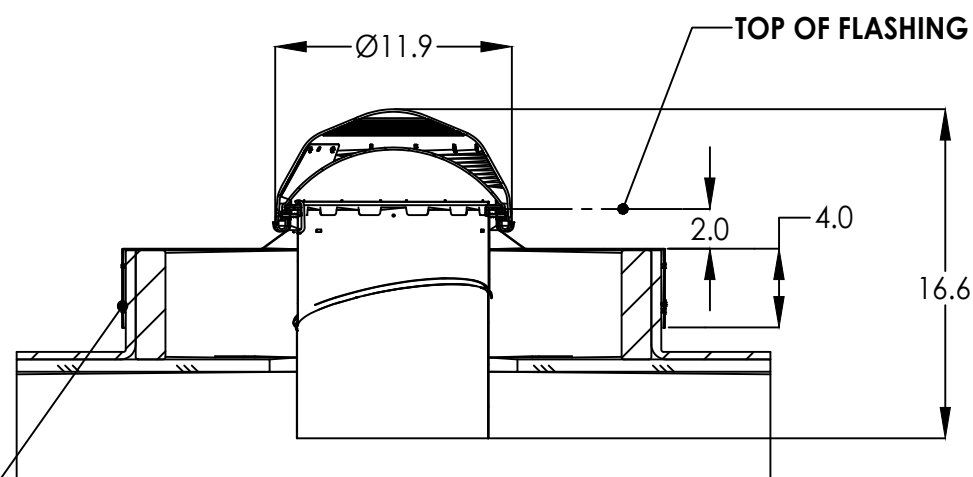
FLAT 6"



FLASHING FASTENER SPACING FLAT 4", FLAT 6" & PITCHED



FLAT 4"



– **8X FLASHING FASTENERS,
2X FASTENERS PER SIDE**

CURB

PROJECT NUMBER:
422-0615

SOLATUBE INTERNATIONAL
2210 OAK RIDGE WAY
VISTA, CA 92081-9341

IMPACT 160 DS (10") & 290 DS (14")
TUBULAR DAYLIGHT DEVICE
160 DS (10") FLASHING OPTIONS

PREPARED BY:

PFL

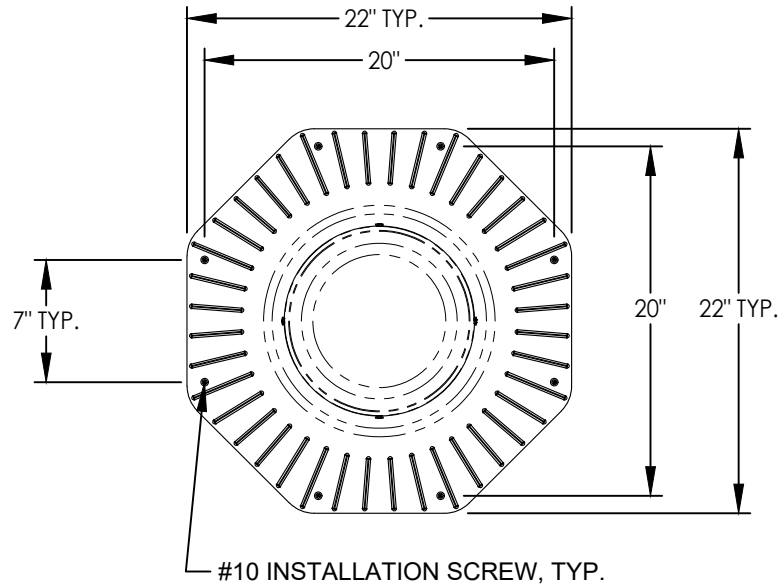
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520075
LONGWOOD, FLORIDA 32752
IRPE/CA, NO. 259835

Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

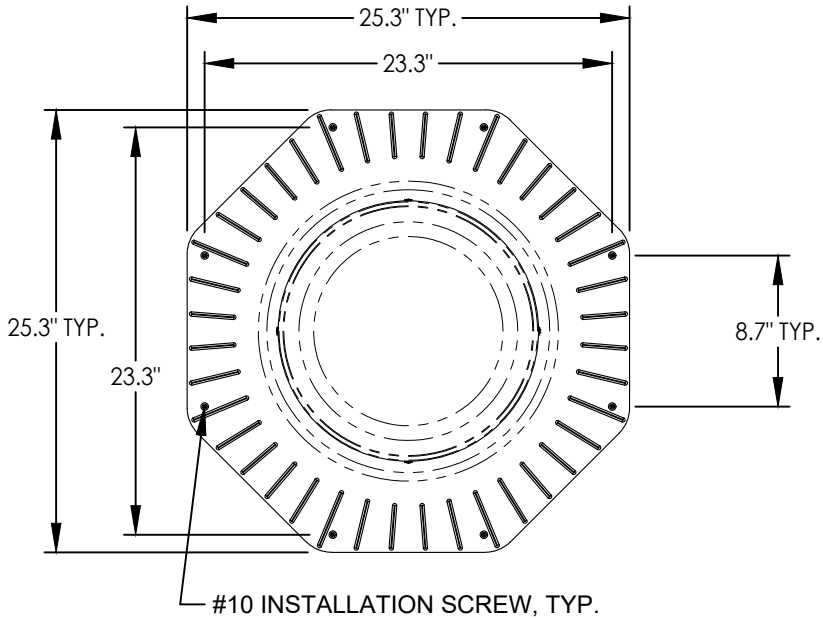
DATE:	10/08/08
DRAWN BY:	SMC
DRAWING NO:	
SCALE:	N.T.S.
SHEET:	4 OF 8

F	UPDATE TO 2023 FBC	9/19/23	RJA
REV	DESCRIPTION	DATE	BY

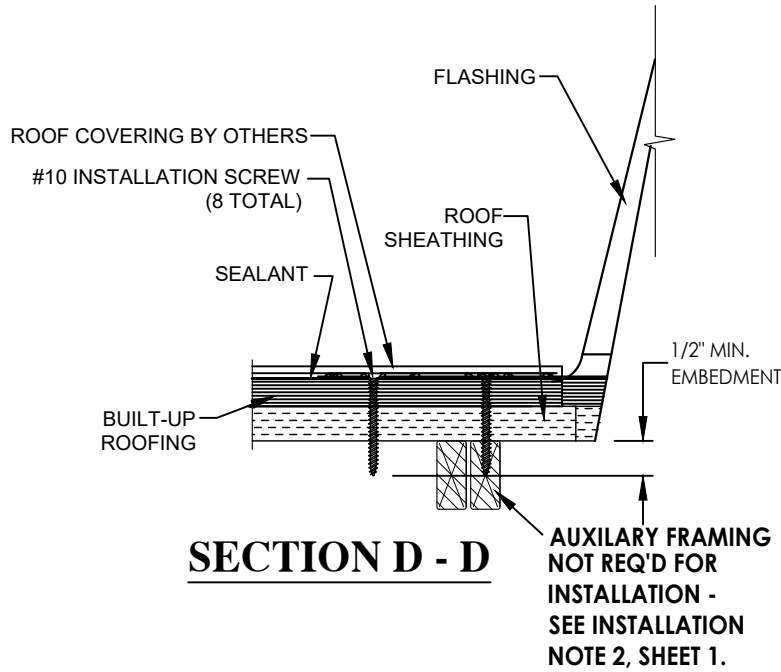
Robert J. Amoruso, P.E.
FL P.E. No. 49752



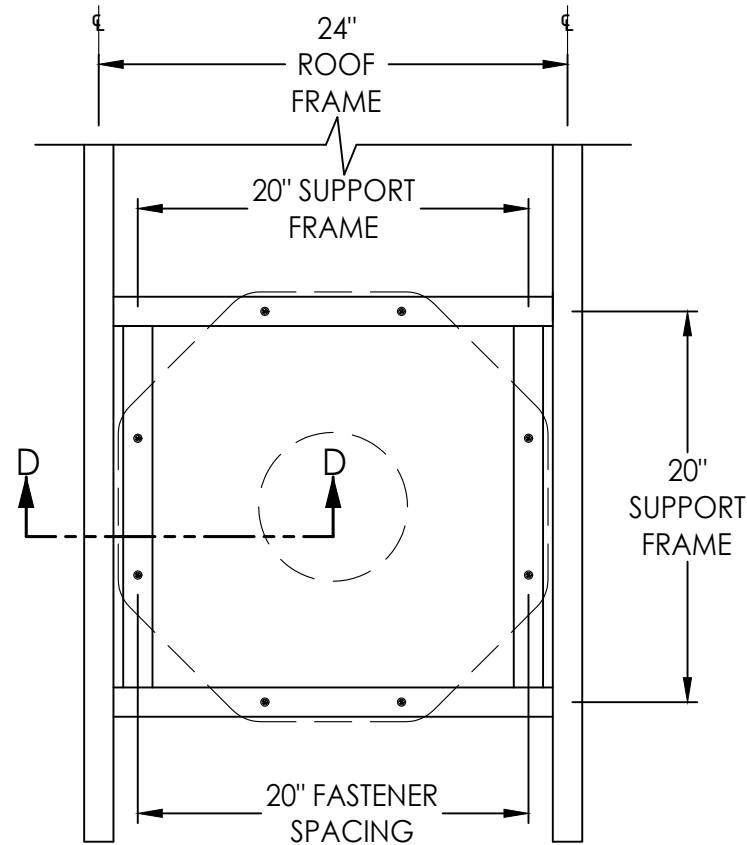
**10" 160 DS
SOLATUBE FLASHING
PLAN**



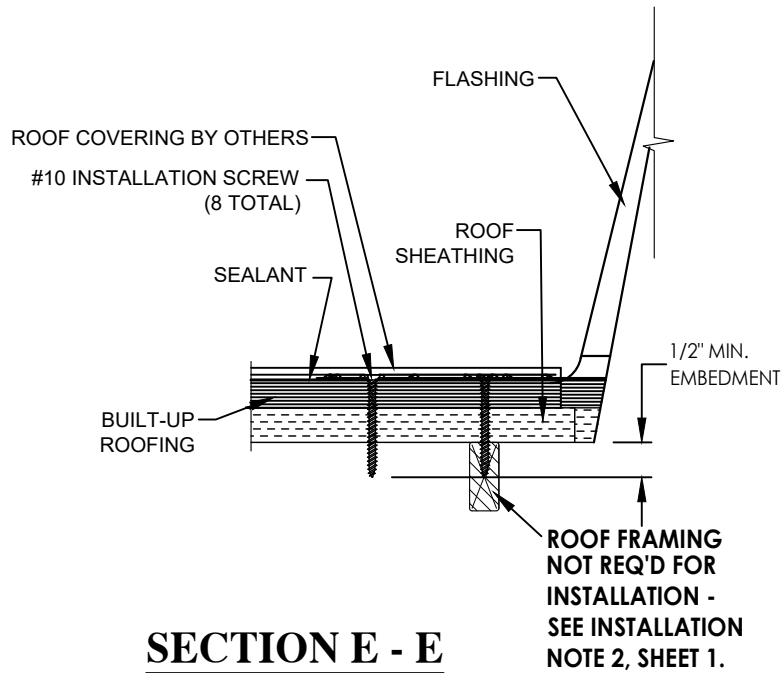
**14" 290 DS
SOLATUBE FLASHING
PLAN**



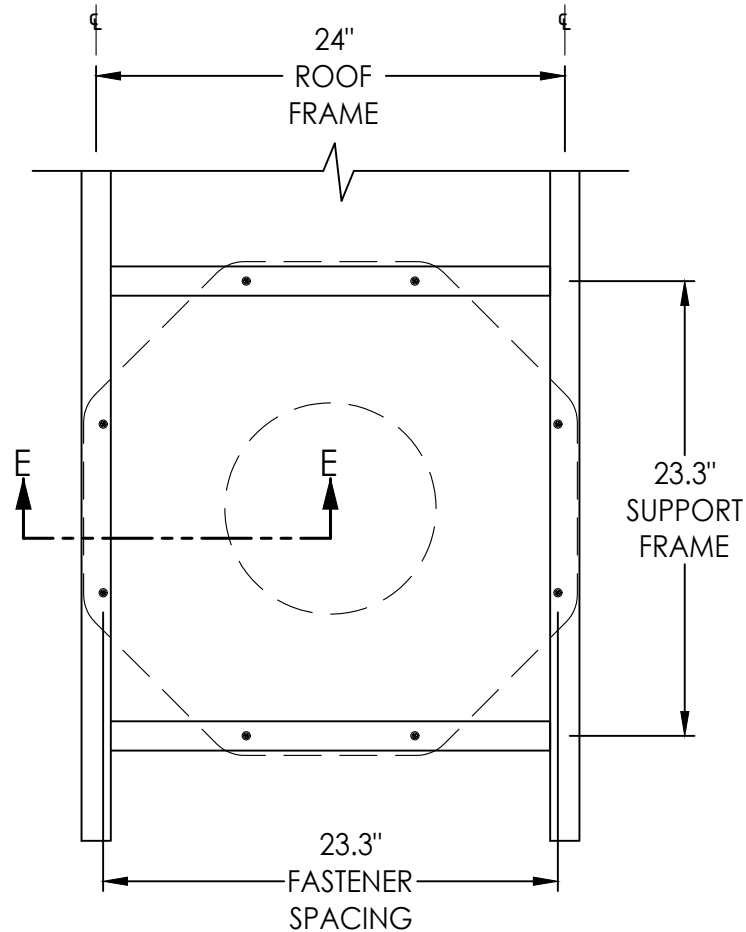
SECTION D - D



FRAMING DETAIL 10"



SECTION E - E



FRAMING DETAIL 14"

PROJECT NUMBER:	422-0615									

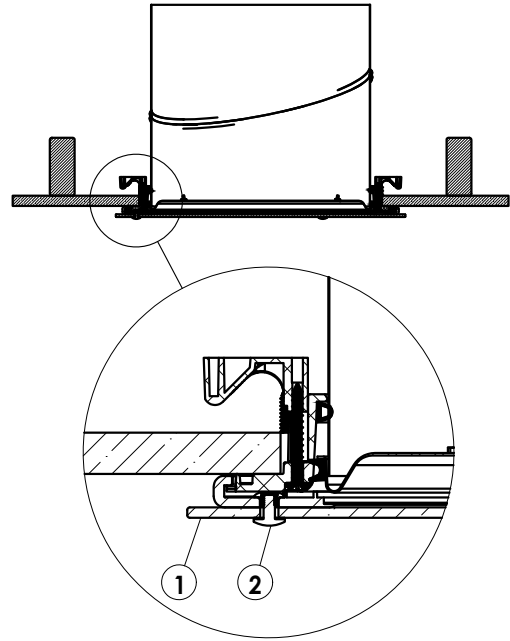
SOLATUBE INTERNATIONAL				2210 OAK RIDGE WAY VISTA, CA 92081-9341			
TITLE:				IMPACT 160 DS (10") & 290 DS (14") TUBULAR DAYLIGHT DEVICE INSTALLATION DETAILS AND SECTION			
PREPARED BY:		DRAWN BY:		DATE:		10/08/08	
PTC PRODUCT DESIGN GROUP, LLC		SMC		SCALE:		N.T.S.	
PO BOX 520775		N.T.S.		REV:		F	
LONGWOOD, FLORIDA 32752		SOLA0004		SHEET:		5 OF 6	
FBPE C.A. NO. 25935		F		DESCRIPTION		DATE	
						BY	

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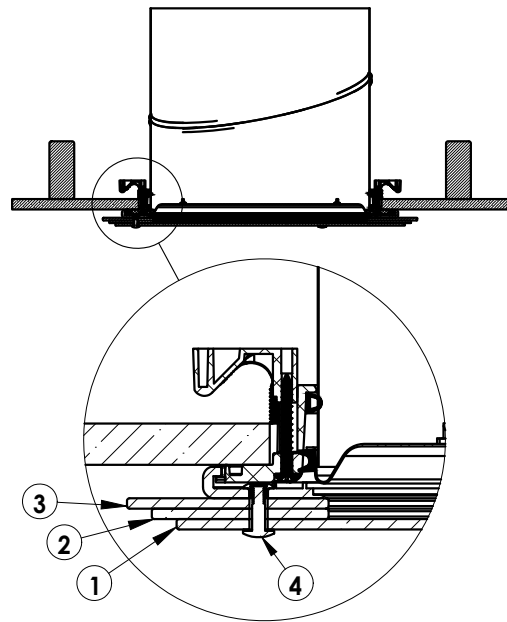
Robert J. Amoruso, P.E. FL P.E. No. 49752			
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160 DS (10") AND 290 DS (14") DECORATIVE FIXTURE OPTIONS

'JUST FROST' DECORATIVE
FIXTURE ASSEMBLY

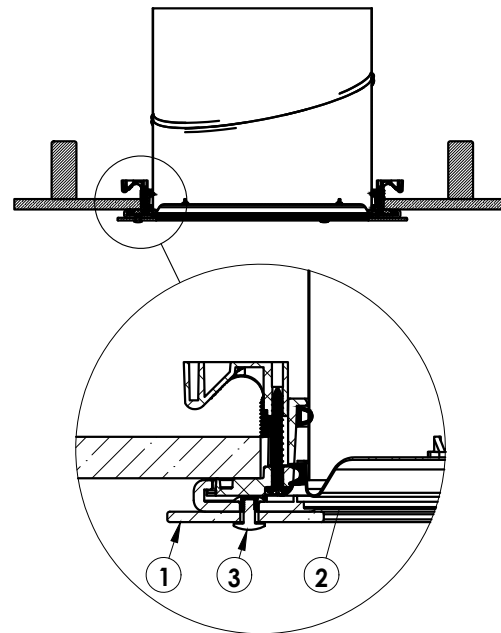


'TIER DROP' DECORATIVE FIXTURE ASSEMBLY



JUST FROST DIFFUSER ASSEMBLY COMPONENTS			
ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	1	ACRYLIC LENS	ACRYLIC
2	3	LENS FASTENER	STAINLESS STEEL

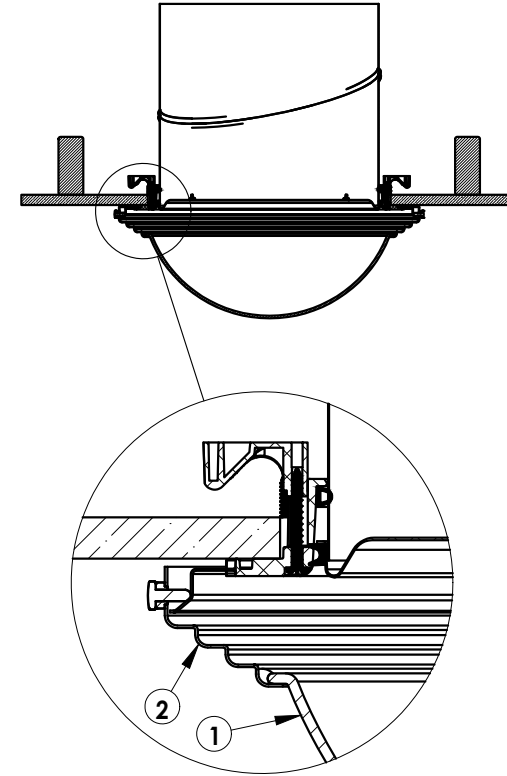
'OPTIVIEW' DECORATIVE FIXTURE ASSEMBLY



OPTVIEW DIFFUSER ASSEMBLY COMPONENTS			
ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	1	ACRYLIC TRIM RING	ACRYLIC
2	1	DIFFUSER PANEL OPTVIEW	PC
3	3	LENS FASTENER	STAINLESS STEEL

290 DS (14") DECORATIVE FIXTURE OPTIONS

'AURORA GLO' DECORATIVE
FIXTURE ASSEMBLY



AURORA GLO DIFFUSER ASSEMBLY COMPONENTS			
ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	1	GLASS LENS	SPUN GLASS
2	4	METAL TRIM RING	STEEL

PROJECT NUMBER: 422-0615

SOLATUBE INTERNATIONAL
2210 OAK RIDGE WAY
VISTA, CA 92081-9341

TITLE:		IMPACT 160 DS (10") & 290 DS (14") TUBULAR DAYLIGHT DEVICE OPTIONAL DIFFUSER DETAILS
PREPARED BY:	DATE:	

PREPARED BY: _____

PREPARED BY: **W**



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
Phone: 321.690.1788
Fax: 321.690.1780

LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Fax: 321.690.1789
Email: info@ptc-corp.com

DATE: _____

DRAWING NO. 10/00/00

DRAWING NO.
SOI A0004

SHEET:

6 OF 8

DRAWN BY:

SCALE: SMC

SCALE: N.T.S.

REV:

4

SYNOPSIS

Phone: 321.690.178
Fax: 321.690.178

Fax: 321.690.178
Email: info@ptc-corp

PREPARED BY: _____

1

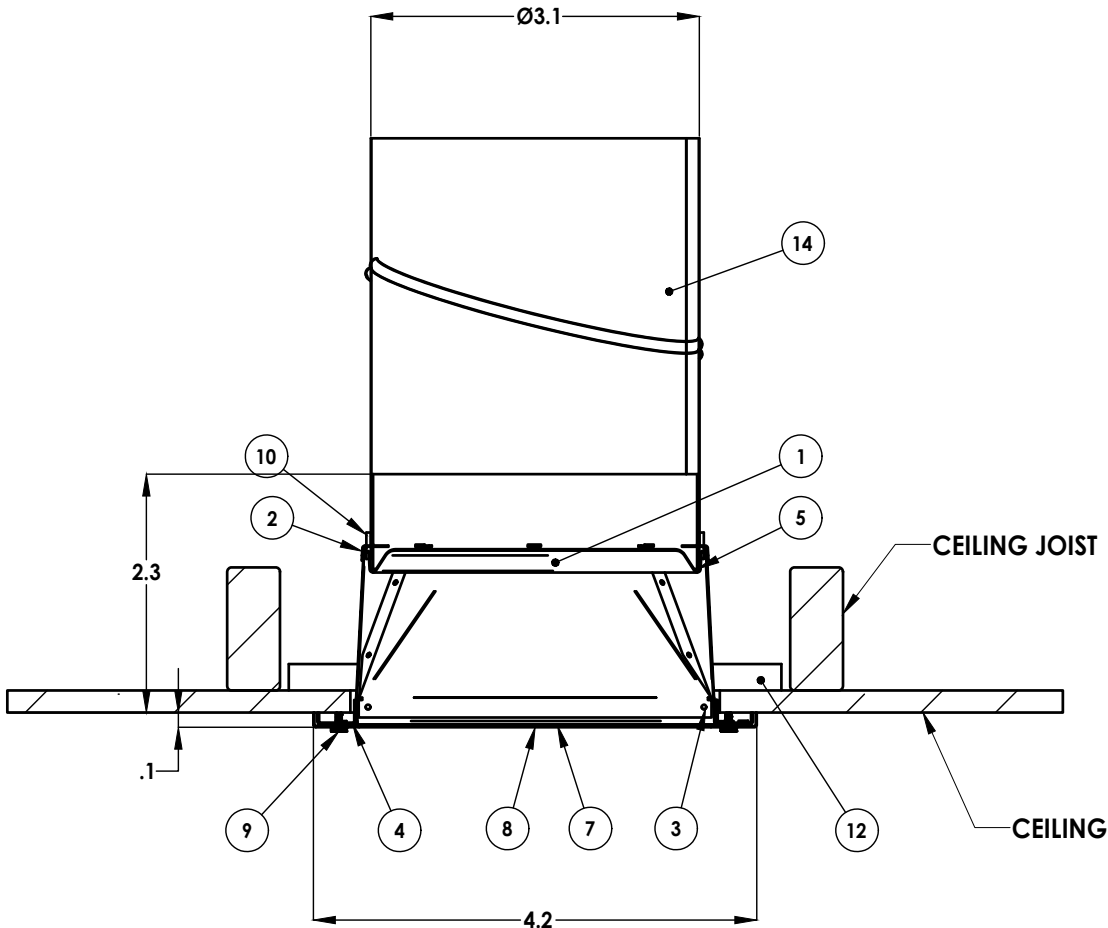
PTC PRODUCT DESIGN GROUP
PO BOX 520775

LONGWOOD, FLORIDA
FBPE C.A. NO. 2593

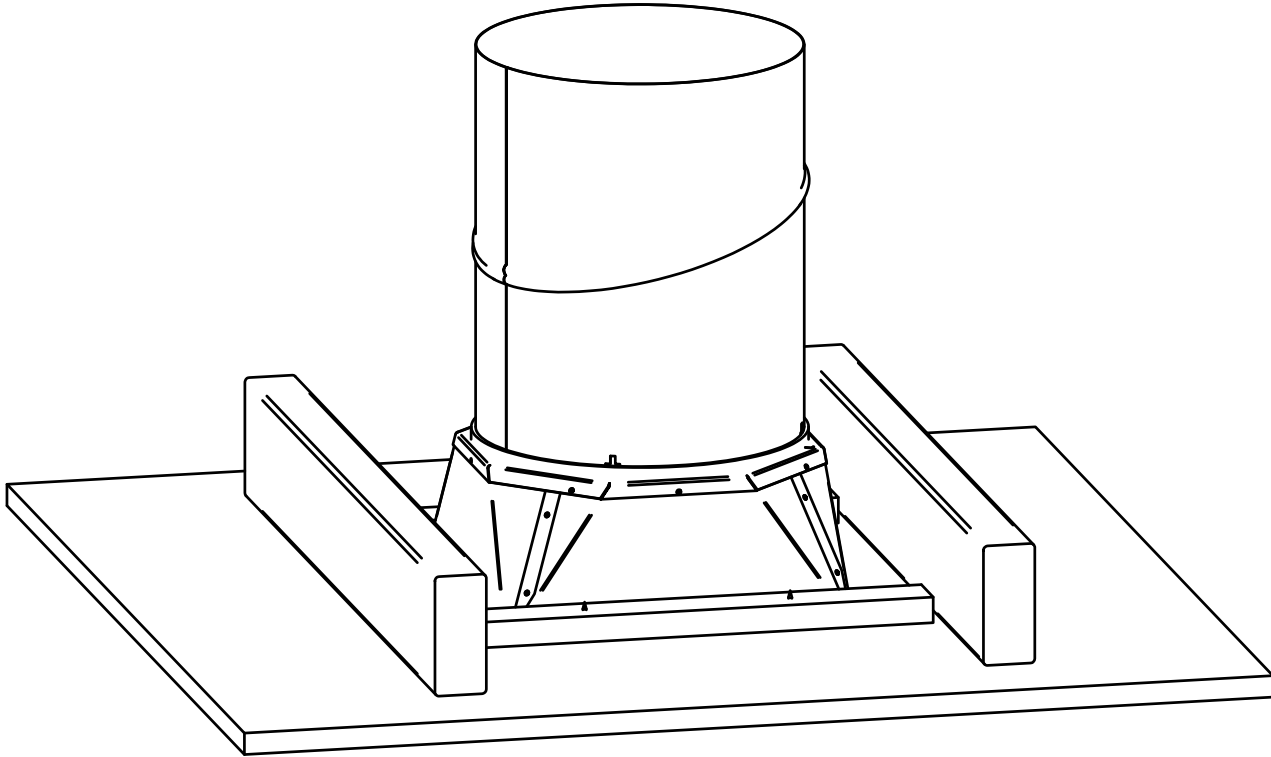
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Robert J. Amoruso, P.E.
FL P.E. No. 49752

160 DS ALTERNATE ROUND TO SQUARE ASSEMBLY



SECTION D-D



ITEM NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL
1	1	421335	NATURAL EFFECT LENS 160 DS	P.E.T.G.
2	1	402160	OTS TRANSITION CAP 160 DS	ALUMINUM LAMINATE
3	4	402185	OTS TRANSITION PANEL 160 DS	ALUMINUM LAMINATE
4	4	402240	OTS TRANSITION BRACE 160 DS	ALUMINUM LAMINATE
5	1	402205	OTS ADAPTER TUBE 160 DS	ALUMINUM LAMINATE
6	4	701210	CLIP NAT EFF LENS METAL TRANSITION	STEEL
7	1	VARIES	DIFFUSER SQUARE 160	PMMA
8	1	402194	OTS DIFFUSER FRAME 160 DS BARE	STEEL
9	4	700525	THUMB SCREW, #8-32 X7/16"	STEEL
10	1	620140	PVC FOAM SEAL 1/8" THK. X 3/4" WIDE	PVC FOAM
11	1	302110	TUBE BOTTOM BLANK 160 DS	ALUMINUM LAMINATE
12	2	480445	WOOD NAILER	WOOD
13	4	700670	SCREW, DRYWALL, #6 X 1.6 IN (NOT SHOWN)	STEEL

PROJECT NUMBER: 422-0615

SOLATUBE INTERNATIONAL
2210 OAK RIDGE WAY
VISTA, CA 92081-9341

TITLE: IMPACT 160 DS (10") & 290 DS (14")
TUBULAR DAYLIGHT DEVICE

REPAIRED BY:	DRAWN BY:	DATE:
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REPAIRED BY:		DRAWN BY:	SMC	DATE:	10/08/08
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SCALE: N T S

DRAWING NO: SOI 100004

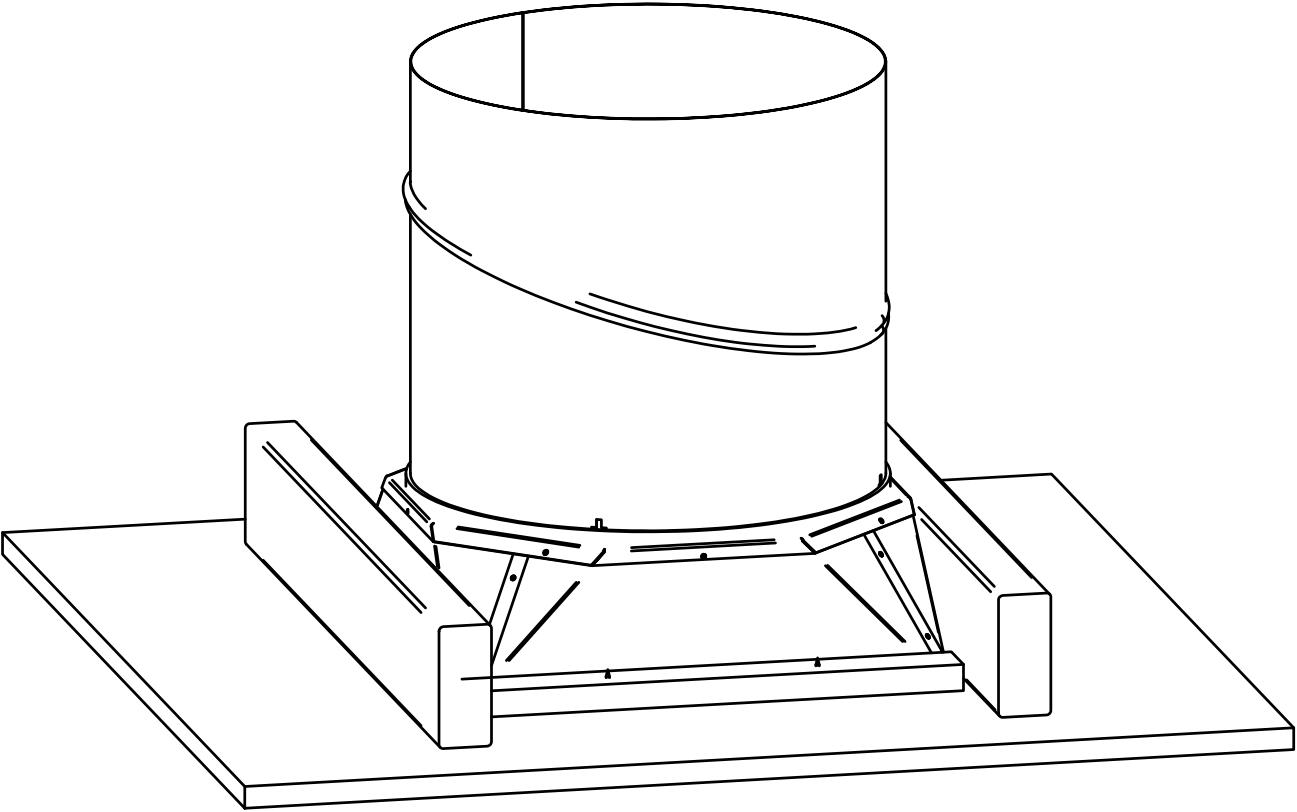
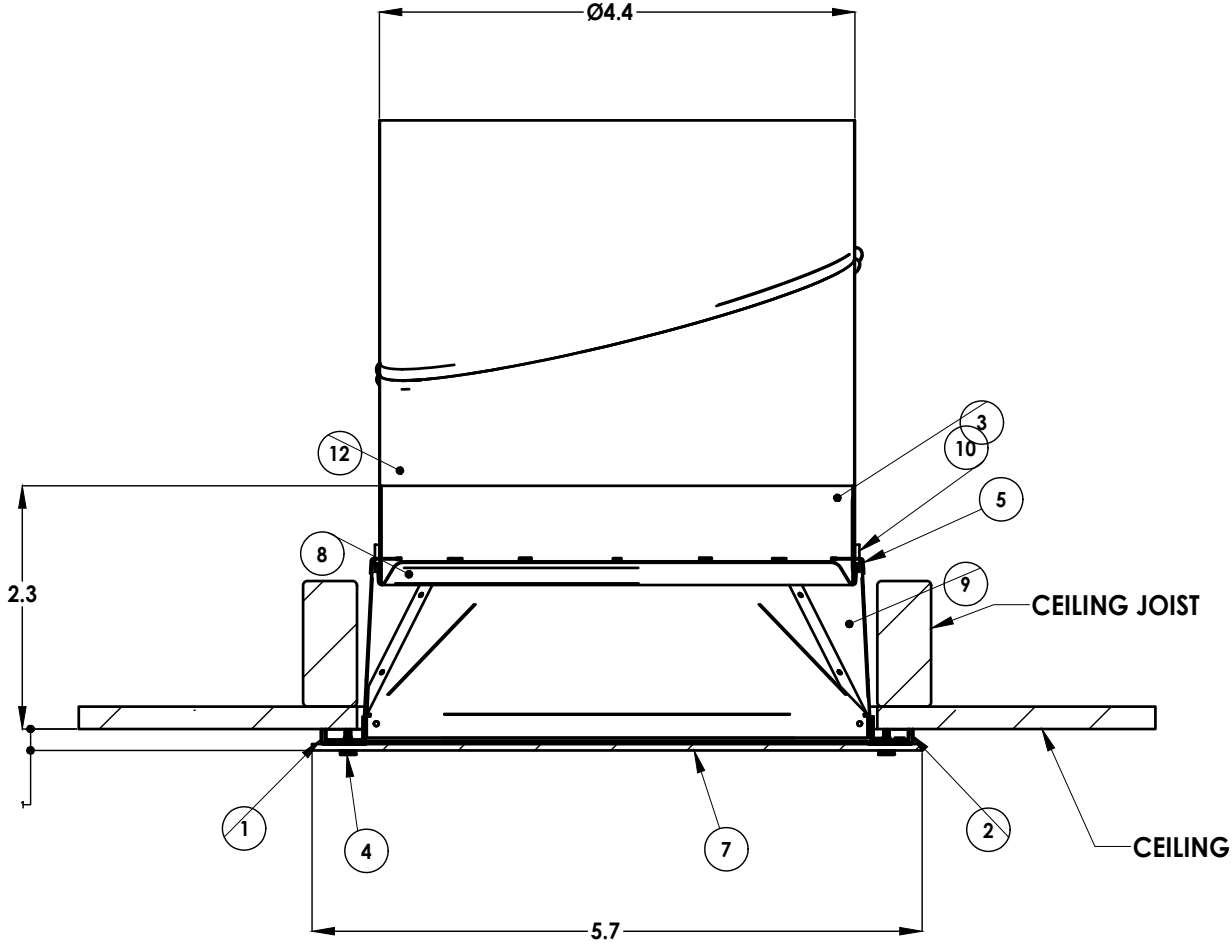
PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935 Email: info@ptc-corp.com	Phone: 321.690.1788 Fax: 321.690.1789	REV: F	SHEET: 7 OF 8
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LONGWOOD, FLORIDA 32752
FRPFC A NO. 25935
Email: info@ptc-corp.com
Fax: 321.690.1789

LONGWOOD, FL 32702
FBPE C.A. NO. 25935
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
FL P.E. No. 49752

290 DS ALTERNATE ROUND TO SQUARE ASSEMBLY



ITEM NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL
1	4	701210	CLIP NAT EFF LENS METAL TRANSITION (NOT SHOWN)	STEEL
2	1	421345	290 DS NATURAL EFFECT LENS	PETG
3	1	402025	OTS TRANSITION CAP 290 DS	STEEL
4	4	402080	OTS TRANSITION PANEL 290 DS	ALUM LAMINATE
5	4	402095	OTS TRANSITION BRACE 290 DS	STEEL
6	1	402215	OTS ADAPTER TUBE 290 DS	ALUM LAMINATE
7	1	302120	TUBE BOTTOM BLANK 290 DS	ALUM LAMINATE
8	2	402120	OTS DIFFUSER FRAME 290 OTS	STEEL
9	8	700525	THUMB SCREW, #8-32 X7/16"	STEEL
10	4	480445	WOOD NAILER (NOT SHOWN)	WOOD
11	8	700670	SCREW, DRYWALL, #6 X 1.6 IN (NOT SHOWN)	STEEL
12	1	400285	ACRYLIC SQUARE DIFF 290	PMMA
13	1	620140	PVC FOAM SEAL 1/8" THK. X 3/4" WIDE	FOAM

PROJECT NUMBER: 422-0615

SOLATUBE INTERNATIONAL

2210 OAK RIDGE WAY
VISTA, CA 92081-9341

TITLE: IMPACT 160 DS (10") & 290 DS (14")
TUBULAR DAYLIGHT DEVICE
290 DS ALTERNATE ROUND TO SQUARE ASSEMBLY

PREPARED BY: PTC
DRAWN BY: SMC
SCALE: N.T.S.
DATE: 10/08/08
DRAWING NO: SOLA0004
SHEET: 8 OF 8

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
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Email: info@ptc-corp.com

Robert J. Amoruso, P.E.
FL P.E. No. 49752

REV	DESCRIPTION	DATE	BY
F	UPDATE TO 2023 FBC	9/19/23	RJA