



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
PTR13051

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
PAUL REYNOLDS
304-558-0468

RFQ COPY

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DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED
06/19/2013

BID OPENING DATE: 07/09/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM #02		
				THIS ADDENDUM IS CREATED TO:		
				ADD:		
				APPROVED EQUALS FOR SOLAR LIGHTING		
				BID OPENING:		
				JULY 09, 2013 AT 1:30 P.M.		
0001		EA		155-78		
				SHELTERS, PRE ENGINEERED		
				***** THIS IS THE END OF RFQ PTR13051 ***** TOTAL:		

SIGNATURE		TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SOLICITATION NUMBER: PTR13051*Addendum Number: 2*

The purpose of this addendum is to modify the solicitation identified as PTR13051 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other Bid Documents Corrections

Description of Modification to Solicitation: To add Bid documents

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

1. Add Bid documents:
Approved Equals for solar lighting
2. Bid Opening
July 09, 2013 at 1:30 P.M.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: PTR13051

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1
<input type="checkbox"/> Addendum No. 2
<input type="checkbox"/> Addendum No. 3
<input type="checkbox"/> Addendum No. 4
<input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 10 |
|---|--|

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

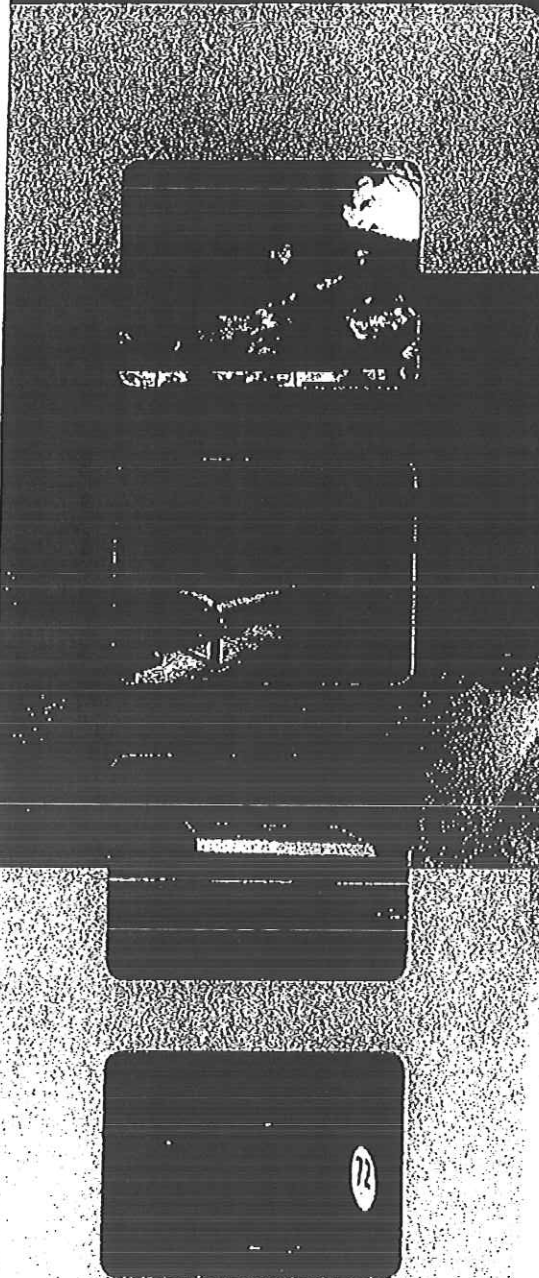
NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

RFQ - PTR13051**Request for Approved Equals**

The Division of Public Transit accepts the Urban Solar products submitted through the approved equal process. Please find attached drawings, brochures, and warranty info for the solar lighting within the bus shelters and for the pole mounted bus stops.

CLARIFICATION

The Federal Transit Administration's "Third Party Contracting Circular" (4220.1F), requires grantees (the Division) to conduct procurements in a manner that prohibits the use of statutorily or administratively imposed in-State or local geographical preferences in the evaluation of bids or proposals, except in those cases where applicable Federal statutes expressly mandate or encourage geographic preference. This RFQ should have no in state vendor preference since a portion of the funding for this project comes from the Federal Transit Administration and is subject to 49 U.S.C. § 5325. Applying Geographical Preference to this RFQ would jeopardize the receipt of Federal funds; therefore, the Division of Public Transit would like to invoke subsection d of the West Virginia Code § 5A-3-37 which states that in-state vendor preference shall not apply to this procurement since it is partially or entirely funded with Federal Transit Administration funds.



Solar Lighting for Transit

The PV-Shelter is the world's most powerful and reliable solar powered LED shelter lighting system.

Providing intelligent control with superior technology and aesthetic design, the PV-Shelter delivers safe and environmentally friendly lighting for any shelter application.

Designed specifically for the transit industry, the PV-Shelter can be tailored to meet local transit authority requirements.

- Customer focused, integrated designs
- Self contained, fully automatic solar lighting system
- Clean, bright white LED illumination
- High power, high efficiency solar panels
- Intuitive power management





solar

Solar powered LED shelter lighting delivers safety and increased customer benefits

Rider experience & safety

- Positive and enhanced transit experience builds rider confidence and increases ridership
- Shelter lighting is a proven crime deterrent
- Reduced rider pass-bys – the number one complaint reported by most transit agencies

Reduced costs & increased efficiency

- One-time capital cost; no monthly utility bills
- No trenching; reduces installation cost
- No scheduled maintenance for up to five years
- 100,000 hour LED operating life span

Clean, energy efficient illumination

- Reduced greenhouse gas emissions
- Positions transit agency as Innovative leader
- Builds public perception of transit as a sustainable transportation alternative

Specifications:

Lighting

Illumination technology:	high brightness cool white LED
Illumination level:	10 ft-cd
Illumination footprint:	8 ft diameter circular/elliptical
Luminaire dimensions:	4 x 4 x 2 inches
Output color:	5500K
Operational lifetime:	100,000 hrs
Operating temperature:	-30 to 50°C (-22 to 122°F)

Energy Control Module*

Operating voltage:	0 to 30V
Input current:	0 to 40A
Output current:	0 to 750mA
Operating temperature:	-30 to 50°C (-22 to 122°F)
Low voltage disconnect:	yes
Lighting control:	automatic and manual

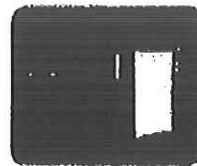
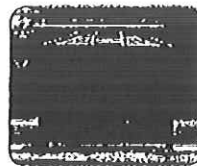
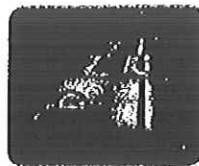
Solar

Solar module technology:	flexible-amorphous mono and poly-crystalline photovoltaic
Module size:	30W, 50W, 80W, 120W
Maximum operating voltage:	22V
Maximum operating current:	5A
Operating temperature:	-30 to 50°C (-22 to 122°F)

Battery

Technology:	maintenance free, AGM, lead acid
Autonomy:	5-10 days
Operating voltage:	12, 24V
Operating temperature:	-30 to 50°C (-22 to 122°F)

Specifications are subject to change without notice and are intended as general guidelines. Detailed specifications are based on site specific weather conditions and system design variables.
* Patent pending.



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Solar Lighting for Transit



bus stop

The PV-Stop is the world's most powerful and reliable solar powered LED bus stop lighting system. Providing intelligent control with superior technology and aesthetic design, the PV-Stop delivers safe and environmentally friendly lighting for any transit application.

Designed specifically for the transit industry, the PV-Stop and PV-Signal beacon device can be tailored to meet local transit authority requirements. The PV-Stop can be integrated with your current bus stop pole or be adapted to almost any new pole.

- Customer focused, integrated design
- Self contained, fully automatic solar lighting system
- Clean, bright white LED illumination
- High power, high efficiency solar panels
- Intuitive power management
- LED bus signal device

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Solar-powered LED bus stop lighting delivers safety and increased customer benefits.

Rider experience & safety

- Positive and enhanced transit experience; builds rider confidence and increases ridership
- Transit stop lighting is a known crime deterrent
- PV Signal helps to reduce rider pass-bys; the number one complaint reported by most transit agencies

Reduced costs & increased efficiency

- Quick installation
- One-time capital cost; no monthly utility bills
- No trenching; reduces installation cost
- No scheduled maintenance for up to five years
- 50,000 hour LED operating life span

Clean, energy efficient illumination

- Reduced greenhouse gas emissions
- Positions transit agency as innovative leader
- Builds public perception of transit as a sustainable transportation alternative

Specifications:

Lighting

Illumination technology:	high brightness cool white LED
Operating temperature:	-30 to 50°C (-22 to 122°F)
Illumination level:	5.0 foot candle peak, 8.0' from source
Illumination footprint:	6 ft diameter circular/elliptical
Output color:	5500K
Operational lifetime:	50,000 hrs

Energy Control Module*

Operating profile:	proprietary calendar based algorithm
Operating temperature:	-30 to 50°C (-22 to 122°F)
Operating voltage:	0 to 30V
Input current:	0 to 40A
Output current:	0 to 750mA
Low voltage disconnect:	yes
Lighting control:	automatic and on demand

Solar

Solar module technology:	mono-crystalline photovoltaic
Operating temperature:	-30 to 50°C (-22 to 122°F)
Module size:	5W
Maximum operating voltage:	18V
Maximum operating current:	5A

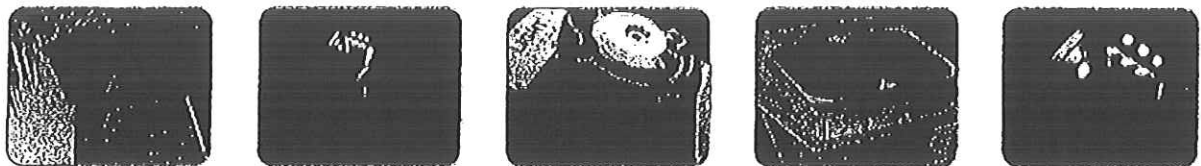
Mechanical & Battery

Pole acceptance:	up to 2-7/8" OD schedule 40
Operating temperature:	-30 to 50°C (-22 to 122°F)
Technology:	maintenance free, AGM, lead acid
Autonomy:	5 days
Operating voltage:	12V

PV Stop Order Matrix:

Automatic or On-Demand	Signal Beacon	Signal Beacon LED	Button - push or touch	Pole Bracket Type	Pole Bracket Size
AU	SB	CW (cool white)	1A	1.75	S (square)
OD	0 (none)	AM (amber)	PB	2	R (round)
		RD (red)	0 (none)	2.5	O (octagonal)
		BL (blue)			U (U-shaped)

Here's an order example: PV Stop AU-0-CW-0-2-SQ = An automatic cool white stop for a 2" sq pole



Specifications are subject to change without notice and are intended as general guidelines. Detailed specifications are based on site specific weather conditions and system design variables. Pole is supplied as an option. All sizes listed are outside dimensions (OD). * Patent pending. ** Custom colors and temperatures may carry additional lead time.

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Warranty

Urban Solar Corporation ("the manufacturer") will warrant, for a period of five (5) years from the date of delivery that all Urban Solar Corp. solar-powered LED shelter lighting systems will comply with published product specifications. Date of delivery shall be defined as the day after the product or system leaves the manufacturer's facility. This warranty covers all parts for each entire lighting system installed, excluding batteries, which have a prorated three (3) year warranty. No other warranty is stated or implied. This warranty shall not be assigned without the express written consent of the manufacturer.

The warranty on any replacement products will not extend beyond the five years from original installation date. Please note that the customer is responsible for return of defective products to the manufacturer.

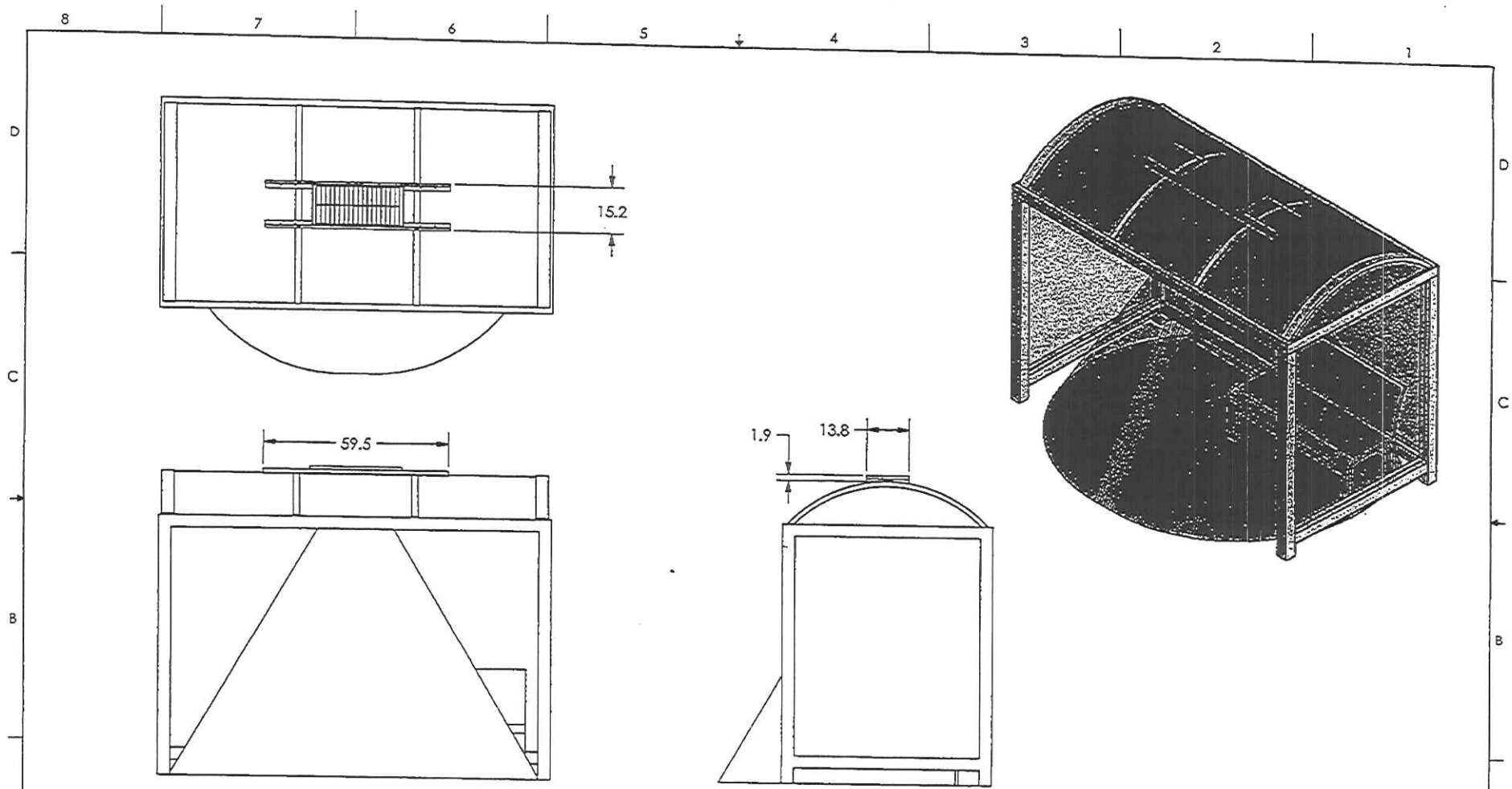
The manufacturer makes no warranties, express or implied concerning the goods furnished hereunder other than they shall meet the manufacturer's current sales specifications. Any recommendations made by manufacturer concerning the use, design or application of said goods are believed reliable, but the manufacturer makes no warranty of results to be obtained. The buyer assumes all responsibility and liability for loss or damage resulting from the handling or use of said goods.

Prorated Battery Warranty

36 Month Prorated Battery Warranty	
0 to 12 Months	100% of the original battery purchase price will be refunded or applied to the purchase of a new unit.
13 to 24 Months	50% of the original purchase price will be refunded or applied to the purchase of a new unit.
25 to 36 Months	25% of the original purchase price will be refunded or applied to the purchase of a new unit.

For further information please visit:

<http://www.urbansolarcorp.com/index.php?warranty>



RMS 30 SYSTEM OVERVIEW

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	ADDED 90W SYSTEM AND PANEL	28/07/2012	
	C	ADDED RMS 50 OVERVIEW	28/08/2012	

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DRAWN BY
D.HANKE

DATE
 07/07/2012

TITLE
OVERVIEW, RMS 30/50/60/90, BARREL ROOF

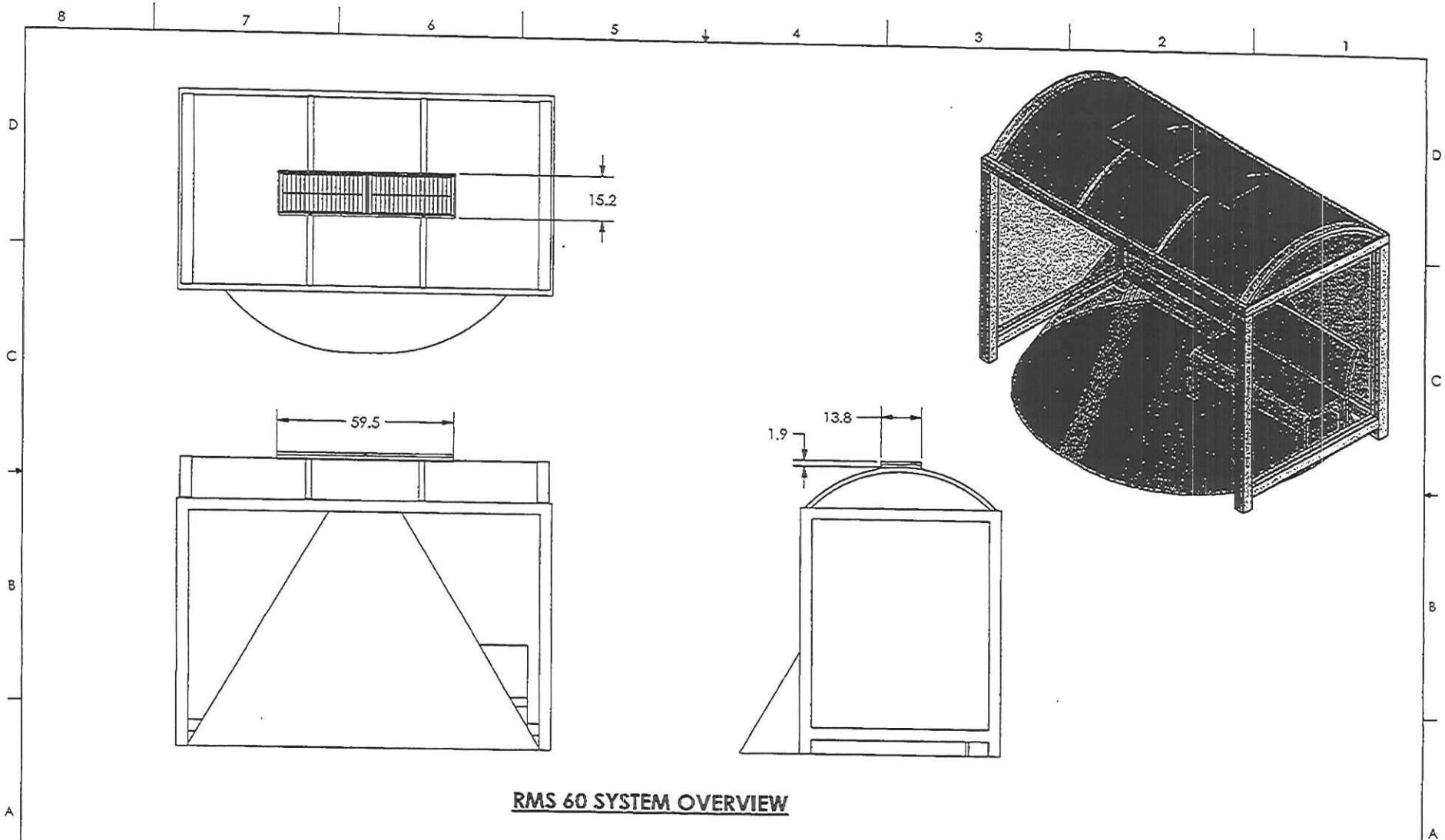
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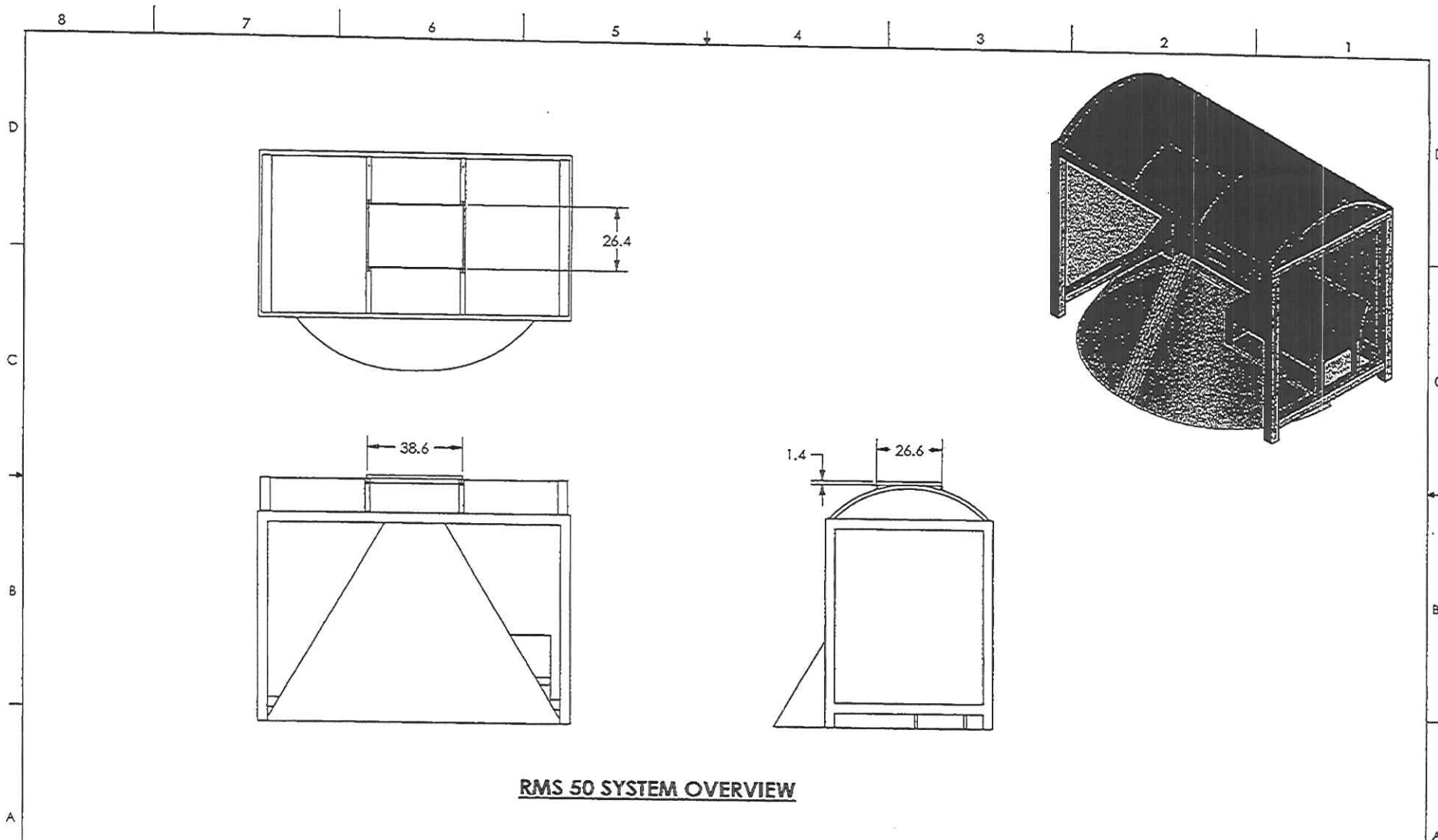
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RMS 60 SYSTEM OVERVIEW

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	<small>DATE</small> 07/07/2012		<small>1</small>	<small>2</small>	<small>3</small>	



RMS 50 SYSTEM OVERVIEW

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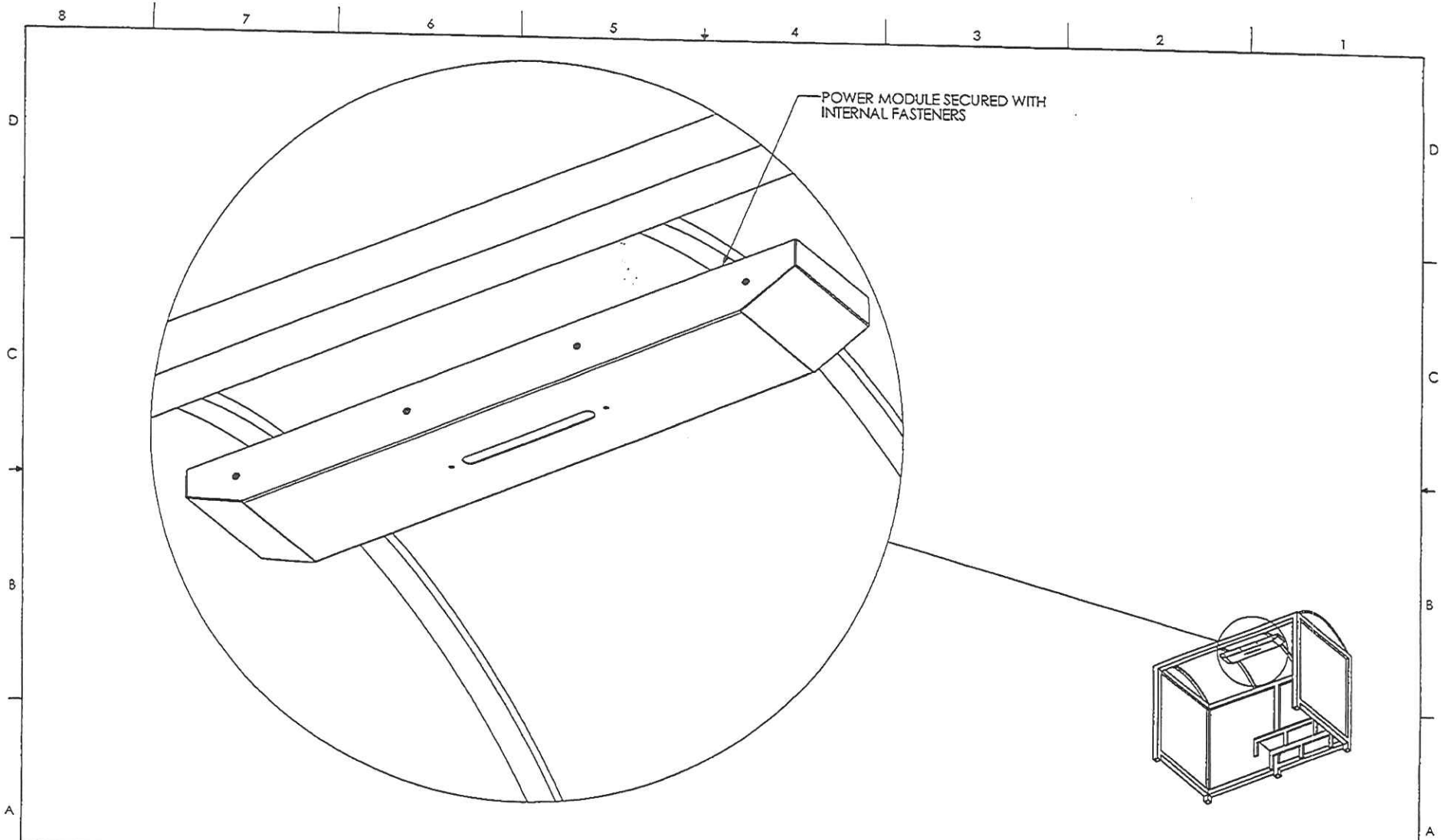
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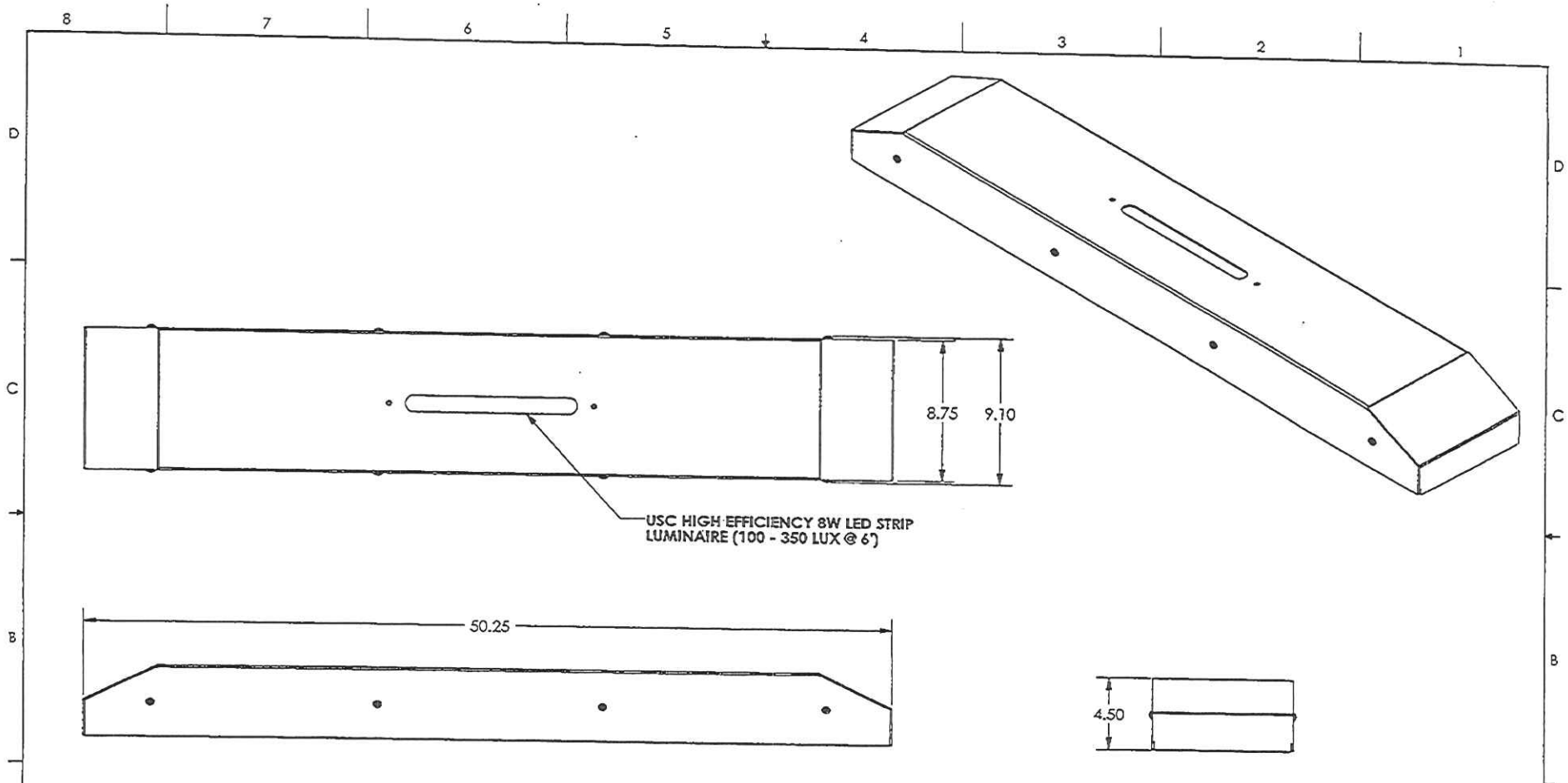
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USC HIGH EFFICIENCY 8W LED STRIP LUMINAIRE (100 - 350 LUX @ 6')

RMS 30 / 60 POWER MODULE


SPECIFICATIONS:
 NOMINAL SYSTEM VOLTAGE (V): 12V-24
 BATTERY BANK CAPACITY (Ah): 18 - 72
 CHASSIS MATERIAL: ALUMINUM
 CHASSIS COATING: POWDER COAT - POLYESTER
 SYSTEM WEIGHT (lbs): 42 (1 BATT), 55 (2 BATT), 68 (3 BATT), 81 (4 BATT)
 ENERGY CONTROL MODULE OPERATING VOLTAGE (V): 12-24

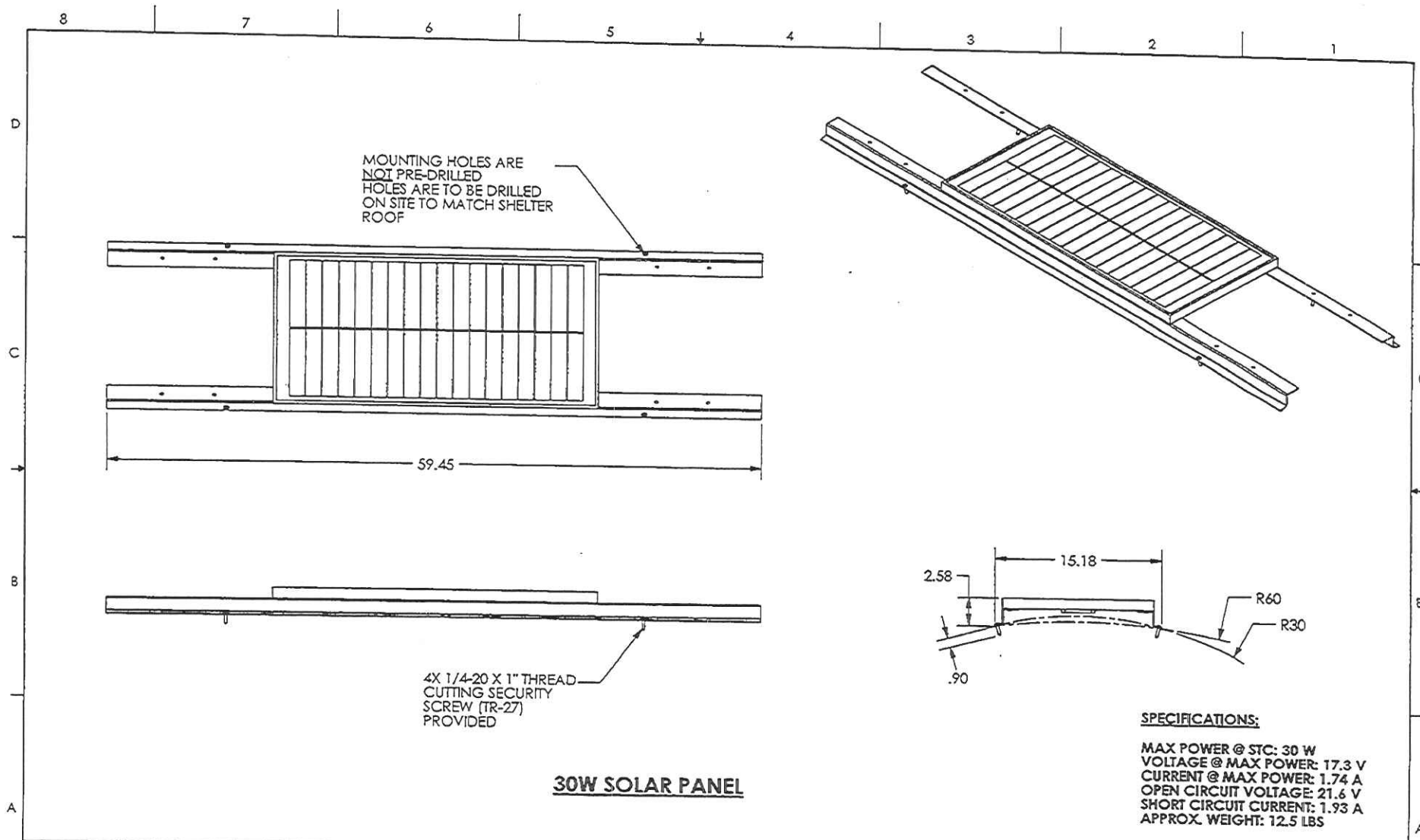
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30W SOLAR PANEL

SPECIFICATIONS:
 MAX POWER @ STC: 30 W
 VOLTAGE @ MAX POWER: 17.3 V
 CURRENT @ MAX POWER: 1.74 A
 OPEN CIRCUIT VOLTAGE: 21.6 V
 SHORT CIRCUIT CURRENT: 1.93 A
 APPROX. WEIGHT: 12.5 LBS

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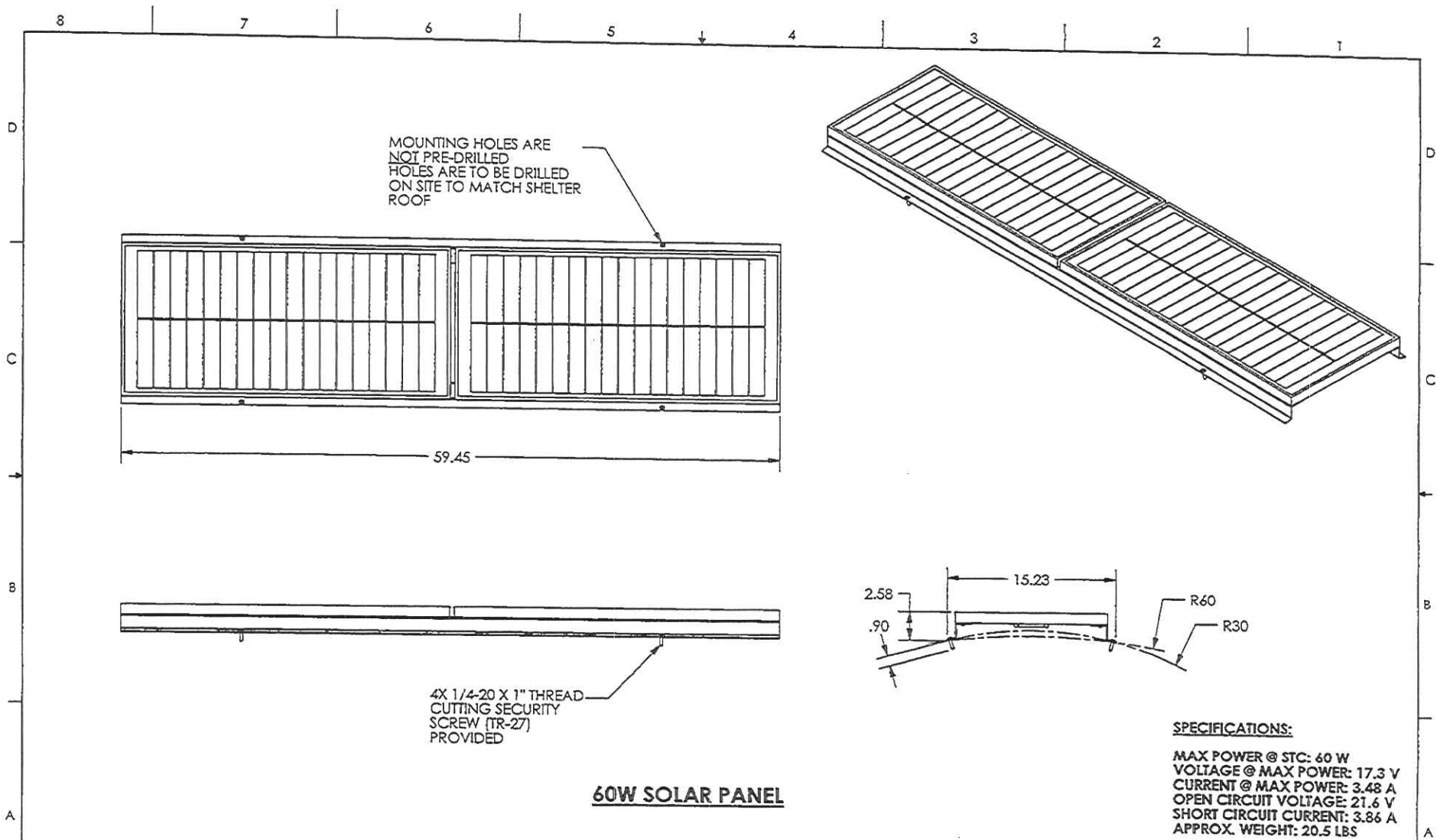
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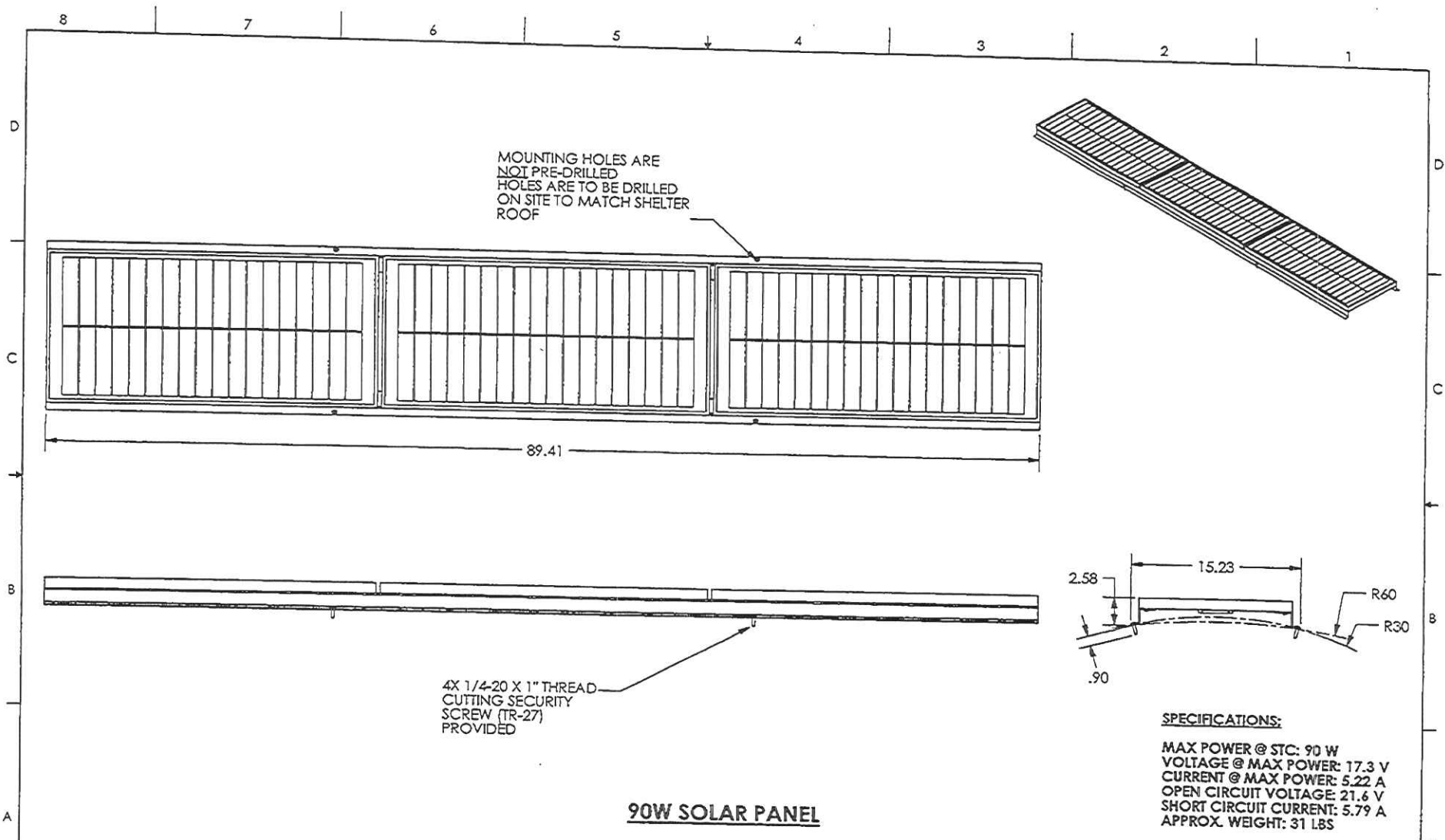
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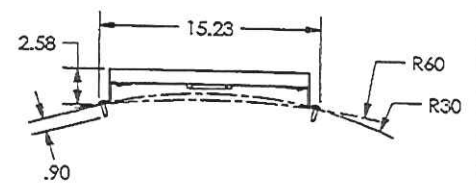
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MOUNTING HOLES ARE NOT PRE-DRILLED HOLES ARE TO BE DRILLED ON SITE TO MATCH SHELTER ROOF

4X 1/4-20 X 1" THREAD CUTTING SECURITY SCREW (TR-27) PROVIDED

90W SOLAR PANEL



SPECIFICATIONS:

MAX POWER @ STC: 90 W
 VOLTAGE @ MAX POWER: 17.3 V
 CURRENT @ MAX POWER: 5.22 A
 OPEN CIRCUIT VOLTAGE: 21.6 V
 SHORT CIRCUIT CURRENT: 5.79 A
 APPROX. WEIGHT: 31 LBS

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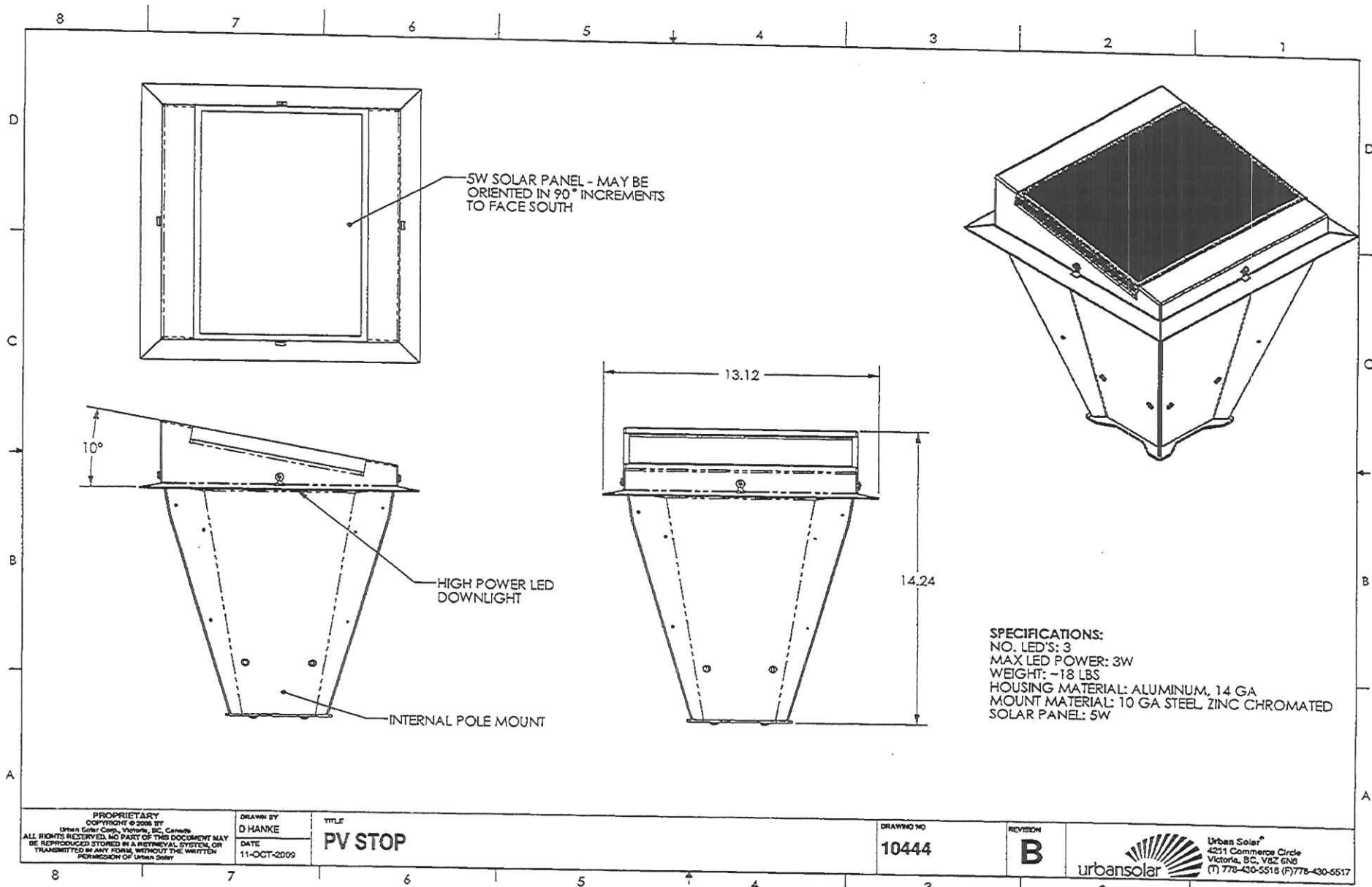
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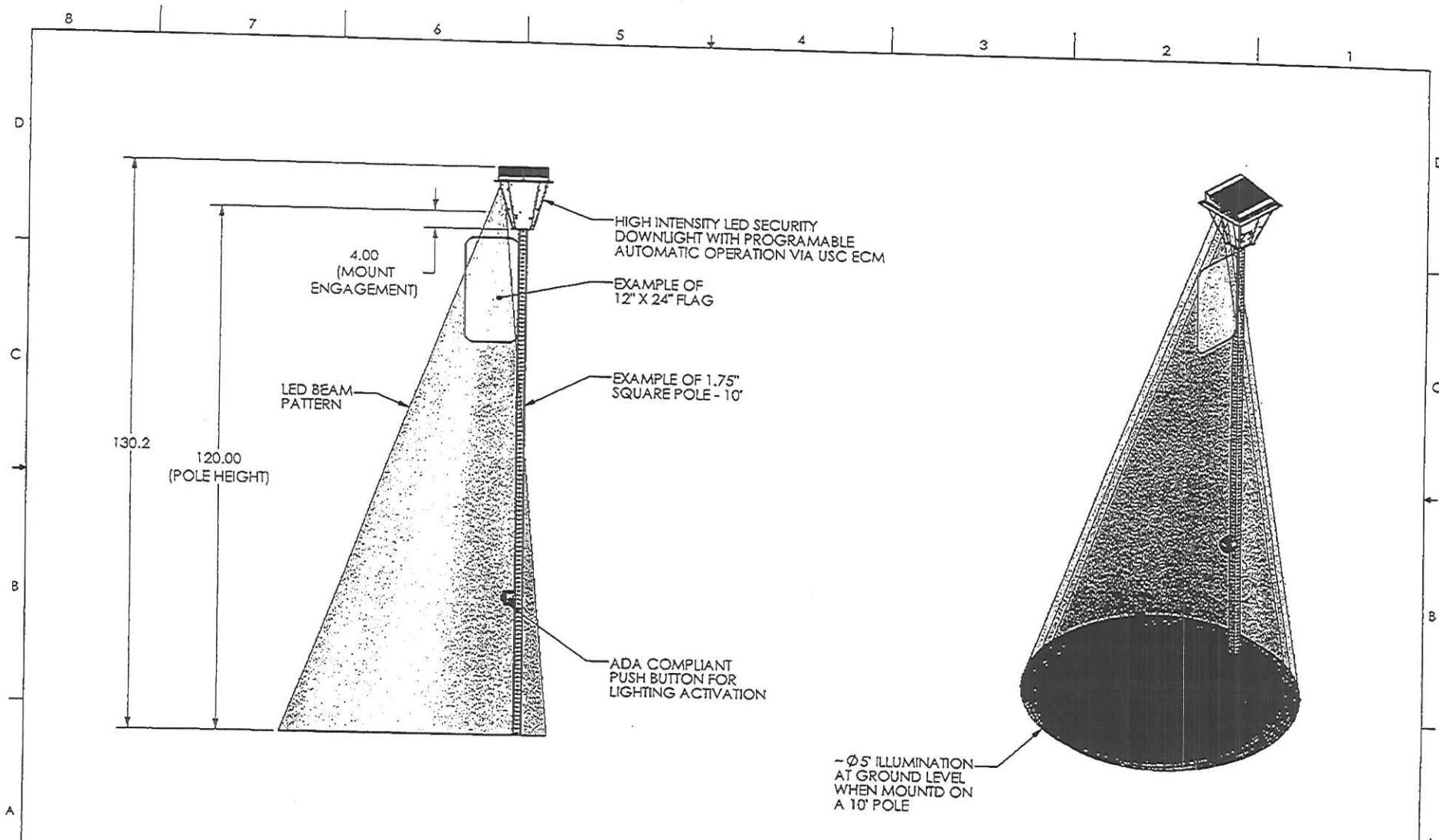
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