Town of Mesilla, New Mexico

THE BOARD OF TRUSTEES (BOT) OF THE TOWN OF MESILLA

REGULAR MEETING
AT THE MESILLA TOWN HALL,
2231 AVENIDA DE MESILLA

MONDAY, SEPTEMBER 22, 2025 – 6:00 P.M.

AGENDA

1. **PLEDGE OF ALLEGIANCE**

2. **ROLL CALL & DETERMINATION OF A QUORUM**

3. **CHANGES TO THE AGENDA & APPROVAL**

4. **APPROVAL OF CONSENT AGENDA**: (The Board will be asked to approve by one motion the following items of recurring or routine business)
   - **a) BOT MINUTES –** September 8, 2025 - BOT Regular Meeting
   - **b) PURCHASE REQUISITION –** Mesilla Marshal Vehicle Purchase/Equipment (Final Payment) - $28,910.86
   - **c) PURCHASE REQUISITION –** Power Center UTV Purchase - $32,385.96
   - **d) PZHAC CASE #062048 –** 2825 Boldt St., submitted by Brad Shuster. Resident is asking permission to install roof mounted Solar Panels on his home. ZONE: Historic Residential (HR).
   - **e) PZHAC CASE #062052** – 2488 Calle de Guadalupe, submitted by Irma Chavez, Historic Enterprises, LLC. Request approval to replace front yard gravel and replace with pavers. ZONE: Historical Commercial (HC).

5. **PUBLIC INPUT ON CASES – The public is invited to address the Board as allowed by the chair.**

6. **PRESENTATION:**
   - **a) Proclamation: Declaring October 1,2025 as International Walk to School Day**
   - **b) Presentation: Casa de Peregrinos Food Program**

7. **ACTION AND CONSIDERATION**
   NEW BUSINESS
   - **a) DISCUSSION** – Casa Peregrinos Food Program
   - **b) SUBDIVISION CASE #062053** – 1560Calle de El Paso, submitted by Raul & Maria Rodriguez. Requesting approval to subdivide their property. ZONE: Residential Agricultural (RA).
   - **c) APPROVAL** – Resolution 2025-58 – Budget Adjustment Quarter 1
   - **d) APPROVAL** – Resolution 2025-59 – Capital Outlay Program Participation Cooperative Agreement (Road Improvements)

e) **APPROVAL** – Resolution 2025-60 - Capital Outlay Program Participation Cooperative Agreement (Signage)

f) **APPROVAL** – Resolution 2025-61 – DOT Grant Agreement Local Road Project (Paisano)

8. **PUBLIC INPUT – The public is invited to address the Board as allowed by the chair.**

9. **CLOSED EXECUTIVE SESSION**
   a) **Discussion concerning attorney-client privilege pertaining to threatened or pending litigation in which the public body is or may become a participant; pursuant to NMSA 1978, Section 10-15-1(H)(7)**

10. **Any Actions that may arise as a result of Closed Executive Session**

11. **BOARD OF TRUSTEE COMMITTEE REPORTS & LIASION UPDATES**

12. **BOARD OF TRUSTEE/STAFF COMMENTS**
   a) ***Ongoing Projects Listing***
   b) ***Calendar of Events***

13. **ADJOURNMENT**

NOTICE

If you need accommodation for a disability to enable you to fully participate in the hearing or meeting, please contact us at 524-3262 at least one week prior to the meeting. The Mayor and Trustees request that all cell phones be turned off or set to vibrate. Members of the audience are requested to step outside the Board Room to respond to or to conduct a phone conversation. A copy of the agenda can be found online at www.mesillanm.gov.

Posted **09.19.2025** online and at the following locations: Town Hall and Visitor's Center Avenida de Mesilla, Public Safety Building 2670 Calle de Parian, Mesilla Community Center 2251 Calle de Santiago, Short's Food Mart 2290 Avenida de Mesilla, and the U.S. Post Office 2253 Calle de Parian. Stream live at www.youtube.com/@townofmesilla7501.

****BOT MEETINGS ARE AVAILABLE LIVE ON TOWN OF MESILLA'S YOUTUBE PAGE****

Town of Mesilla, New Mexico

THE BOARD OF TRUSTEES (BOT) OF THE TOWN OF MESILLA

REGULAR MEETING
AT THE MESILLA TOWN HALL,
2231 AVENIDA DE MESILLA

MONDAY, SEPTEMBER 8, 2025 – 6:00 P.M.

MINUTES

TRUSTEES:	Russell Hernandez, Mayor	
	Adrianna Merrick, Mayor Pro Tem	
	Biviana Cadena, Trustee	
	Stephanie Johnson-Burick, Trustee	
	Gerard Nevarez, Trustee	
STAFF:	Ben Azcarate, Marshal	
	Cole Morris, Fire Captain	
	Edward Salazar, Econ & Com Development Director	
	Greg Whited, Fire Chief	
	Gloria S Maya, Town Clerk/Recorder	
PUBLIC:	Andrea Bryan	Rafael Ruiz
	Greg Lester	Lori Miller
	Crystal Whited	Roman Prieto
	Janice & Bill Cook	Mary H Ratje

1. PLEDGE OF ALLEGIANCE

Mayor Hernandez led the Pledge of Allegiance.

2. ROLL CALL & DETERMINATION OF A QUORUM

Roll Call.

Present: Mayor Hernandez, Mayor Pro Tem Merrick, Trustee Cadena, Trustee Nevarez, Trustee Johnson-Burick.

3. CHANGES TO THE AGENDA & APPROVAL

Motion: To approve agenda, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Nevarez.

Motion passed unanimously

4. APPROVAL OF CONSENT AGENDA: (The Board will be asked to approve by one motion the following items of recurring or routine business. The Consent Agenda is marked with an asterisk *)

a) *BOT MINUTES – August 25, 2025 - BOT Regular Meeting

Motion: To approve consent agenda, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Cadena.

Motion passed unanimously

5. **PUBLIC INPUT ON CASES – The public is invited to address the Board as allowed by the chair.**

No Public Input

6. **ACTION AND CONSIDERATION**

NEW BUSINESS

a) **PZHAC CASE #062041 –** 3260 Avenida de Mesilla, submitted by Roman Prieto. Requesting approval lot line adjustments. ZONE: Residential Agricultural (RA)

Mr. Salazar gave an overview of PZHAC Case #062041.

Motion: To approve PZHAC Case #062041 – 3260 Avenida de Mesilla, submitted by Roman Prieto. Requesting approval lot line adjustments. ZONE: Residential Agricultural (RA). Moved by Mayor Pro Tem Merrick, Seconded by Trustee Nevarez.

Trustee Nevarez commented

Trustee Johnson-Burick commented.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

b) **PZHAC CASE #062045 –** 2270 Calle de Principal, submitted by Basilica de San Albino. Requesting approval to expand public bathroom (addition). ZONE: Historical Commercial (HC).

Mr. Salazar gave an overview of PZHAC Case #062041.

Motion: To approve PZHAC Case #062045 – 2270 Calle de Principal, submitted by Basilica de San Albino. Requesting approval to expand public bathroom (addition). ZONE: Historical Commercial (HC). Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Trustee Johnson-Burick commented.

Trustee Nevarez commented.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

c) **APPROVAL –** Ripple Fiber Franchise Agreement

Mr. Salazar gave an overview of the Ripple Fiber Franchise Agreement.

Motion: To approve Ripple Fiber Franchise Agreement, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Nevarez.

Trustee Nevarez commented

Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

d) APPROVAL – Muni-Link Utility Billing Agreement

Mayor Hernandez gave an overview of the Muni-Link Utility Billing Agreement.

Motion: To approve Muni-Link Utility Billing Agreement, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Trustee Nevarez commented.

Trustee Johnson-Burick commented.

Trustee Cadena commented.

Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

e) APPROVAL – Purchase UTV with dump bed

Mayor Hernandez gave an overview of the purchase – UTV with dump bed.

Motion: To approve purchase UTV with dump bed, Moved by Trustee Nevarez, Seconded by Mayor Pro Tem Merrick.

Trustee Nevarez commented.

Trustee Cadena commented.

Trustee Johnson-Burick commented.

Amended Motion: To approve the purchase of UTV with Dump Bed as amended, Moved by Trustee Nevarez, Seconded by Mayor Pro Tem Merrick.

Amended Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

Original Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

f) APPROVAL – Resolution – 2025-52 Electric Vehicle Infrastructure Project

Mayor Hernandez reviewed Resolution 2025-52 – Electric Vehicle Infrastructure Project.

Motion: To approve Resolution 2025-52 – Electric Vehicle Infrastructure Project, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

g) APPROVAL – Resolution – 2025-53 TPF Grant Award with Match Waiver Request

Mayor Hernandez reviewed Resolution 2025-53 TPF Grant Award with Math Waiver Request.

Motion: To approve Resolution 2025-53 TPF Grant Award with Match Waiver Request, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

h) APPROVAL – Resolution – 2025-54 Recreation Center & Quality of Life Grant

Mayor Hernandez reviewed Resolution 2025-54 Recreation Center & Quality of Life Grant.

Motion: To approve Resolution 2025-54 Recreation Center & Quality of life Grant, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

i) APPROVAL – Resolution – 2025-55 Water Trust Board Grant Application #1

Mayor Hernandez reviewed Resolution 2025-55 Water Trust Board Grant Application #1.

Motion: To approve Resolution 2025-55 Water Trust Board Grant Application #1, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Roll Call Vote: Motion passed (summary: Yes-4)

Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

j) APPROVAL – Resolution – 2025-56 Water Trust Board Grant Application #2

Mayor Hernandez reviewed Resolution 2025-56 Water Trust Board Grant Application #2.

Motion: To approve Resolution 2025-56 Water Trust Board Grant Application #2, Moved by Trustee Nevarez, Seconded by Mayor Pro Tem Merrick.

Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

k) DISCUSSION – Community Engagement & Mutual Respect

Mayor Hernandez opened a discussion on Community Engagement and Mutual Respect.

Trustee Nevarez commented

Trustee Johnson-Burick commented.

Mayor Pro Tem Merric commented.

7. PUBLIC INPUT – The public is invited to address the Board as allowed by the chair.

Ms. Miller commented

Ms. Ratje commented

Mr. Lester commented

8. CLOSED EXECUTIVE SESSION

a) Discussion concerning the purchase of land and shall be closed to the public pursuant to NMSA 1978, Section 10-15-1(H)(8) – Acquisition or disposal of real property.

b) Discussion concerning limited personnel matters; and shall be closed to the public pursuant to NMSA 1978, Section 10-15-1(H)(2) – Fire Department

Motion: To enter Closed Executive Session, Moved by Trustee Nevarez, Seconded by Mayor Pro Tem Merrick.

Motion passed unanimously.

Enter Closed Executive Session at 7:14 p.m.

Motion: To enter Regular Meeting, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Motion passed unanimously.

Enter Regular Meeting at 7:34 p.m.

9. Any Actions that may arise as a result of Closed Executive Session

Motion: To approve the hiring of a Mesilla Fire Rescue AEMT for the Fire Department, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Johnson-Burick.

Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

Motion: To approve the hiring of a Mesilla Fire Rescue AEMT for the Fire Department, Moved by Mayor Pro Tem Merrick, Seconded by Trustee Cadena.

Roll Call Vote: Motion passed (summary: Yes-4)
Mayor Pro Tem Merrick Yes
Trustee Cadena Yes
Trustee Johnson-Burick Yes
Trustee Nevarez Yes

10. BOARD OF TRUSTEE COMMITTEE REPORTS & LIASION UPDATES

Mr. Nevarez: Friends of Taylor Advisory Board meeting was cancelled, Telecommunication Draft Ordinance status, Jupiter Project meeting.

Trustee Johnson-Burick: MPO meeting Wednesday – 1:00 p.m.

Mayor Pro Tem Merrick: MPO meeting Wednesday – 1:00 p.m., Liaison meeting

Mayor Hernandez: MPO meeting to discuss Trails, South Central Regional Transit Executive meeting, Capital Projects Training Wednesday, NMML Conference will be held next week in Ruidoso.

11. BOARD OF TRUSTEE/STAFF COMMENTS

a) ***Ongoing Projects Listing***
b) ***Calendar of Events***

Marshal Azcarate gave a department (Marshal) update.

Fire Chief Whited gave a department (Fire) update.

Mr. Astorga gave a department (Public Works) update.

Mr. Salazar gave a department (Com/Economic Development update.

Ms. Maya gave a department (Finance) update.

Trustee Johnson-Burick commented.

Trustee Cadena commented

Mayor Pro Tem Merrick commented.

Mayor Hernandez commented

12. ADJOURNMENT

The Town of Mesilla Trustees unanimously agreed to adjourn the meeting. (Summary: Yes-4).

MEETING ADJOURNED AT 8:05 P.M.

APPROVED THIS 22nd DAY OF SEPTEEMBER, 2025.

_____
Russell Hernandez
Mayor

ATTEST:

_____
Gloria S. Maya
Town Clerk/Treasurer

Town of Mesilla Purchase Requisition

Requesting: (Please select one)
☑ Check ☐ Purchase Order

DATE: 9/11/2025

QTY	FUND CODE	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	35-535-3601	Final- PO10-415		
		Mesilla Marshal Veh. Purchase/Equip.		$28,910.86

FUND CODE 35-535-3601	AMT from FUND $28,910.86	FUND AMT Remaining $72.14	SUBTOTAL	$28,910.86
FUND CODE	AMT from FUND	FUND AMT Remaining	SALES TAX	
FUND CODE	AMT from FUND	FUND AMT Remaining	TOTAL	$28,910.86

VENDOR NAME	Alamo Auto Supply
ADDRESS	5923 Gateway West El Paso, TX 79925
PHONE #	915-781-1234
AP ONLY:	W9 COMPLETE YES ☑ NO ☐

REQUESTED BY Briana Gomez	DATE 9/11/2025
AUTHORIZED BY Gloria Maya	DATE 09.11.2025

REV: 10/2024

ALAMO AUTO SUPPLY
The Accessory Leaders

ALAMO AUTO SUPPLY
ALAMO INDUSTRIES, INC.
5923 Gateway West
El Paso, Texas 79925
915 781-1234 Fax 915 781-0600

Invoice No. 01NE6129

Customer Number	Invoice NUMBER	Invoice DATE	PACKING SLIP	TERMS	WHSE
227740	01NE6129	8/29/2025	01FC7644001	Net 30 Days	030

BILL TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

SHIPPED TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

MESILLA MARSHALL'S PATROL UNIT
****** DUPLICATE COPY ******
Dept: 001 MESILLA MARSHAL'S DEPARTMENT Contact/Phone: AZCARATE, BEN /

YOUR P.O. NUMBER	ORDER DATE	CSR	SHIPPED VIA	CARTONS	OPER
10-415	3/7/2025 9:23:03AM	000231 Erick Vargas	WC	1	A24

ITEM	DESCRIPTION	UNIT	ORDER QTY	BACK ORDERED	INV QTY	NET PRICE	EXT PRICE
	NEXT DAY AIR FREIGHT. CHARGES SHOWN BELOW. SV						
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
COD39-30004-CM	THIN SUPERVISOR MATRIX RW/BW	EA	1	0	1	1,119.97	1,119.97
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODTSMTG-DUR	THIN SUPERVISOR - BRACKET, DURANGO 2012+	EA	1	0	1	137.34	137.34
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODZ3S-OBD-DU	DODGE DURANGO, CHARGER 12+ OBD INTERFACE	EA	1	0	1	320.05	320.05
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
MMCMMSU-1	MAGNETIC MICROPHONE HOLDER	EA	2	0	2	35.96	71.92
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODOL60L-RBW-6	1.3 MATRIX OUTLINER R/B/W LEFT WIRE EXIT	EA	1	0	1	475.00	475.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODOL60R-RBW-6	1.3 MATRIX OUTLINER R/B/W RIGHT WIRE EXIT	EA	1	0	1	475.00	475.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODRNRBKT-DU	OUTLINER BRACKET KIT19+ DURANGO	EA	2	0	2	72.14	144.28
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCD3794RBW	FLEXIBLE LIGHT R/B/W	EA	8	0	8	145.83	1,166.64
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODSD24LBRKT	90 DEGREE MOUNT BRACKET	EA	4	0	4	16.94	67.76
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCD9012W	HIDE-A-BLAST,SURFACE MOUNT WHITE	EA	2	0	2	114.75	229.50
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCITDUR21-RI	21+ DURANGO CITADEL R/A/W-B/A/W	EA	1	0	1	1,810.66	1,810.66
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCW0400-WR	COD 5.4" SURFACE MOUNT DOME LIGHT	EA	2	0	2	80.18	160.36
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODZ3SXP-1	Z3 SERIAL WITH BANSHEE PUSH BUTTON CONTROL HEAD	EA	1	0	1	1,093.54	1,093.54
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODMATRIXSPLI	MATRIX CAT5 SPLITTER	EA	1	0	1	14.79	14.79
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
BLR8211-10401	SINGLE AR BLACRAC W/ COLD WIRE OR AR WITH RAIL	EA	1	0	1	660.66	660.66
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODSWITCHNOD	MATRIX ENDABLED SWITCH NODE 12-24V 60A 16	EA	3	0	3	225.60	676.80
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
ACL5083DC	RELAY 40/60 AMP BEULER WITH 5 WIRE SOCKET	EA	4	0	4	4.50	18.00

ALAMO AUTO SUPPLY
The Accessory Leaders

ALAMO AUTO SUPPLY
ALAMO INDUSTRIES, INC.
5923 Gateway West
El Paso, Texas 79925
915 781-1234 Fax 915 781-0600

Invoice No. 01NE6129

Customer Number	Invoice NUMBER	Invoice DATE	PACKING SLIP	TERMS	WHSE
227740	01NE6129	8/29/2025	01FC7644001	Net 30 Days	030

BILL TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

SHIPPED TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

MESILLA MARSHALL'S PATROL UNIT
****** DUPLICATE COPY ******
Dept: 001 MESILLA MARSHAL'S DEPARTMENT Contact/Phone: AZCARATE, BEN /

YOUR P.O. NUMBER	ORDER DATE	CSR	SHIPPED VIA	CARTONS	OPER
10-415	3/7/2025 9:23:03AM	000231 Erick Vargas	WC	1	A24

ITEM	DESCRIPTION	UNIT	ORDER QTY	BACK ORDERED	INV QTY	NET PRICE	EXT PRICE
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
99978515	MAXI INLINE 6 GAUGE FUSE HOLDER	EA	1	0	1	21.55	21.55
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
METMAX100	INSTALL BAY 100 AMP MAXI FUSE EA	EA	1	0	1	1.65	1.65
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
WTN36-6005F2MP	ELITE 2 LIGHT CHANNEL COVER	EA	1	0	1	35.74	35.74
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
BPC8891018	4 INCH ROUND RECHARGEABLE STROBE/FLARE KIT WITH 6	EA	1	0	1	132.37	132.37
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
METIBRRLULD	ROUND ROCKER ON-OFF-ON	EA	3	0	3	6.00	18.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMCC-21DUR-08	21+ DURANGO 18" CONSOLE	EA	1	0	1	506.88	506.88
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMFP-SGTRAY	4" LOW-PROFILE SLOPED-FLOOR TRAY	EA	1	0	1	38.25	38.25
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMAC-INBHG	INT DUAL CUP HLDR	EA	1	0	1	49.30	49.30
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMFP-C3-Z3	Z3 FACEPLATE	EA	1	0	1	0.00	0.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMFP-BLNK3	3" BLANK FACE PLATE	EA	1	0	1	19.55	19.55
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMFP-BLNK1	1" BLANK FACE PLATE	EA	1	0	1	10.20	10.20
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMCM-U-MNT	CONSOLE U-MOUNT	EA	1	0	1	42.50	42.50
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMAC-MCM1	MICROPHONE CLIP PLATE	EA	2	0	2	14.25	28.50
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCD9215RWBV	COMBO LED BAR, 135 DEG SIDE WARNING, RED BLUE W/	EA	1	0	1	432.43	432.43
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMAC-TB-ARM	CONSOLE MOUNTED HEIGHT ADJUSTABLE ARMREST	EA	1	0	1	159.75	159.75
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMTP-E-SF6-US-	SPACEMAKER PARTITION 20+ FORD PIU	EA	1	0	1	858.75	858.75
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMPM-21DUR	21+ DURANGO PARTITION MOUNT BIG-BOY	EA	1	0	1	299.25	299.25
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						

ALAMO AUTO SUPPLY
The Accessory Leaders

ALAMO AUTO SUPPLY
ALAMO INDUSTRIES, INC.
5923 Gateway West
El Paso, Texas 79925
915 781-1234 Fax 915 781-0600

Invoice No. 01NE6129

Customer Number	Invoice NUMBER	Invoice DATE	PACKING SLIP	TERMS	WHSE
227740	01NE6129	8/29/2025	01FC7644001	Net 30 Days	030

BILL TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

SHIPPED TO:
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2670, CALLE DE PARIAN
MESILLA, NM 88046

MESILLA MARSHALL'S PATROL UNIT
****** DUPLICATE COPY ******
Dept: 001 MESILLA MARSHAL'S DEPARTMENT Contact/Phone: AZCARATE, BEN /

YOUR P.O. NUMBER	ORDER DATE	CSR	SHIPPED VIA	CARTONS	OPER
10-415	3/7/2025 9:23:03AM	000231 Erick Vargas	WC	1	A24

ITEM	DESCRIPTION	UNIT	ORDER QTY	BACK ORDERED	INV QTY	NET PRICE	EXT PRICE
TSMKP-SM-DURB	21+ DURANGO PARTITION KICK PANEL	EA	1	0	1	179.25	179.25
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMPS-21DUR-OS	21+DURANGO PRISONER SEAT WITH REAR PARTITION AND	EA	1	0	1	1,550.48	1,550.48
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMWG-DUR18-S	18+ DURANGO VERTICAL BAR WINDOW GUARD	EA	1	0	1	236.25	236.25
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
TSMFP-USBC-2DC	FACEPLATE DC OUTLET / USB CUTOUTS	EA	1	0	1	67.50	67.50
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
STIPP9640	FLOOR PAN DRAIN	EA	2	0	2	36.00	72.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
STIQK0491DUR11	FLOOR PAN TPO PLASTIC 11+ DODGE DURANGO	EA	1	0	1	269.69	269.69
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
KUS3003	EAGLE 3 DUAL ANTENNA KA BANK	EA	1	0	1	2,940.00	2,940.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODC3100U	SPEAKER 100 WATT UNIV BRKT	EA	1	0	1	225.43	225.43
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
KUS3014	EAGLE 3 INSULATED HEAT SHIELD	EA	1	0	1	39.00	39.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
FEDMPS63U-RBW	MICROPULSE ULTRA 6, TRI COLOR RED / BLUE / WHITE	EA	2	0	2	110.25	220.50
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
PPWSM001	PATROL POWER GEN 2 ELECTRIC TRAY	EA	1	0	1	840.80	840.80
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
ELE40100	ELEMENT E100 UNIVERSAL	EA	2	0	2	101.96	203.92
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
LIILOFT-DUR-EC	ELECTRONIC EQUIPMENT TRAY LOFT 21+ DURANGO	EA	1	0	1	769.75	769.75
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
ZZZLAB110	LABOR INSTALLATION 110.00	EA	60	0	60	109.25	6,555.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
WTN36-4075	21+ DURANGO PUSH BUMPER ELITE	EA	1	0	1	384.38	384.38
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODLF-KIT	TREMOR LOW FREQUENCY SPEAKER	EA	1	0	1	887.27	887.27
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODCD3794RBW	DIR,18LED,SM,FLEXIBLE,TC, 12-24V,R/B/W,STEADY BURN	EA	2	0	2	163.98	327.96
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
777733020 010010	MATERIALS	EA	1	0	1	35.00	35.00

ALAMO AUTO SUPPLY
The Accessory Leaders

ALAMO AUTO SUPPLY
ALAMO INDUSTRIES, INC.
5923 Gateway West
El Paso, Texas 79925
915 781-1234 Fax 915 781-0600

Invoice No. 01NE6129

Customer Number	Invoice NUMBER	Invoice DATE	PACKING SLIP	TERMS	WHSE
227740	01NE6129	8/29/2025	01FC7644001	Net 30 Days	030

BILL TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

SHIPPED TO:
MESILLA MARSHAL'S DEPARTMENT
2670, CALLE DE PARIAN
MESILLA, NM 88046

MESILLA MARSHALL'S PATROL UNIT
****** DUPLICATE COPY ******
Dept: 001 MESILLA MARSHAL'S DEPARTMENT Contact/Phone: AZCARATE, BEN /

YOUR P.O. NUMBER	ORDER DATE	CSR	SHIPPED VIA	CARTONS	OPER
10-415	3/7/2025 9:23:03AM	000231 Erick Vargas	WC	1	A24

ITEM	DESCRIPTION	UNIT	ORDER QTY	BACK ORDERED	INV QTY	NET PRICE	EXT PRICE
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODM180SMC-REM	180 MULTICOLOR INTERSECTION	EA	4	0	4	163.98	655.93
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODMICROPAK-L	MICROPAK LOW PROFILE, SURFACE MOUNTLED RED /	EA	2	0	2	95.00	190.00
	2025 DODGE DURANGO POLICE PACKAGE VIN:1C4SDJFT4SC543566						
CODBSM-BKT-DU	2019 + DURANGO UNDER MIRROR BRACKETS M-180	EA	1	0	1	72.18	72.18
	SHOP SUPPLIES						491.63

TOTAL PURCHASE	FREIGHT	TAX AMT	INVOICE TOTAL	PAYMENTS	BALANCE
28,510.86	400.00	0.00	28,910.86		28,910.86

THANK YOU FOR YOUR BUSINESS

Accepted:

RETURNS FOR REFUND MUST BE MADE WITHIN 30 DAYS. THIS INVOICE MUST ACCOMPANY ALL RETURNS. SPECIAL ORDER, NON-STOCKING AND INSTALLED ITEMS ARE NOT RETURNABLE.

Purchaser by acceptance of the invoice and the merchandise described (the Product) acknowledges that it has read the following and contracts and agrees with Alamo Auto Supply (AAS) that:

1) AAS(i) does not manufacture the Product, (ii) is not responsible for any manufacture warranties, and (iii) is not liable for any damages of any kind arising from the use of the Product. Purchaser may avail itself only of those written warranties furnished by the manufacture, if any.

2) EXCEPT AS SPECIFICALLY PROVIDED TO THE PURCHASER IN WRITING, AAS DISCLAIMS ANY AND ALL WARRANTIES, eXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTCULAR PURPOSE.

3) Purchaser will pay for delivered Product in full within stated payment terms. any amount outstanding thereafter may be charge a 1.5% per month late charge.

4) If any amount remains unpaid beyond payment terms on this invoice, AAS may turn the matter over to an attorney or collection agency. Purchaser will reimburse AAA for costs associated with collecting the overdue amount, including court costs and attorney'sfees, paid or incurred by AAS.

5) Payments made by purchaser will first be applied to intrest and cost.Once these have been paid, payment will be applied to pringipal.

6) ANY ACTION OR PROCEEDING ARISING DIRECTLY OR INDIRECTLY OUT OF THIS PURCHASE SHALL BE LITIGATED IN EL PASO COUNTY, TEXAS. pURCHASER EXPRESSLY SUBMITS AND CONSENTS TO SUCH JURIDICTION AND AGREES THT EL PASO COUNTY, TEXAS IS CONVENIENT AND PROPER FORUM.

Town of Mesilla Purchase Requisition

Requesting: (Please select one)
☑ Check ☐ Purchase Order

DATE: 09.19.2025

QTY	FUND CODE	DESCRIPTION	UNIT PRICE	LINE TOTAL
2	24.510.2410	2025 Polaris Ranger Crew 570		12,000.00
	23.510.2242			15,385.96
	28.510.2241			5,000.00

FUND CODE	AMT from FUND	FUND AMT Remaining
FUND CODE	AMT from FUND	FUND AMT Remaining
FUND CODE	AMT from FUND	FUND AMT Remaining

SUBTOTAL	$32,385.96
SALES TAX	
TOTAL	$32,385.96

VENDOR NAME	THE POWER CENTER
ADDRESS	2000 N TELSHOR BLVD LAS CRUCES,NM 88011
PHONE #	575.522.1050
AP ONLY:	W9 COMPLETE YES ☑ NO ☐

REQUESTED BY	DATE
AUTHORIZED BY Gloria Soria	DATE 09.19.2025

REV: 12/2024
042042

QUOTATION

The Power Center, Inc.
2000 N Telshor BLVD
Las Cruces, NM 88011 US
Phone #: (575)522-1050
Fax #: (575)522-1168

PHONE #: (575)524-3262
CELL #: (575)524-3262
ALT. #:
P.O.#:
TERMS: Net 10th EOM
SALES TYPE: Quote

DATE: 9/10/2025
ORDER #: 43320
CUSTOMER #: 100227
CP: 24
LOCATION: 1
STATUS: Active

BILL TO 100227

TOWN OF MESILLA
PO BOX 10
MESILLA, NM 88046

SHIP TO

TOWN OF MESILLA
PO BOX 10
MESILLA, NM 88046

MFR	PRODUCT NUMBER	DESCRIPTION	QTY	PRICE	NET	TOTAL
POL	R25CDA57A1	2025 POLARIS RANGER CREW 570 Full-Size - Sage Green (CA)	2	$14,799.00	$12,799.00	$25,598.00
POL	FREIGHT-RGR-CREW	POLARIS FREIGHT RANGER CREW	2	$1,195.00	$1,195.00	$2,390.00
****	LOGISTICS	LOGISTICS SURCHARGE	2	$500.00	$.00	$0.00
POL	SETUP	POLARIS SETUP	2	$650.00	$650.00	$1,300.00
****	DOC	DOC FEE	2	$299.00	$299.00	$598.00
POL	2878755	RGR CREW POLY ROOF W/ L&R CLAMP	2	$699.99	$699.99	$1,399.98
POL	2879489	K-WSHLD,FULL,HC,RGR	2	$549.99	$549.99	$1,099.98

****ALL CARD TRANSACTIONS INCUR A 3% PLATFORM FEE****
Prices reflected on this quote are valid for 30 days and while current supplies last. However, prices are subject to change if the pricing, program or promotion the prices were quoted under is no longer in effect.
Thank you for your business!

SUBTOTAL:	$32,385.96
TAX:	$0.00
ORDER TOTAL:	$32,385.96

Authorized By: _____

BOARD ACTION FORM
AGENDA DATE

PZHAC: 9/15/2025 **BOT: 9/22/2025**

DAC ACCOUNT # R0401039
BLDG CODE – RSO
EVALUATION COST- $11,728.00
FEE - $198.50

ITEM: **PZHAC CASE #062048** – 2825 Boldt St., Submitted by Brad Shuster. Resident is asking permission to install roof mounted solar panels on his home. ZONE: Historic Residential (HR).

BACKGROUND AND ANALYSIS:
Mr. Schuster has contracted Solar Works Energy to place 11 roof-mounted solar panels on his home. The panels will be hidden by the parapet on the roof and the equipment to manage the panels will also be hidden by the home. Solar Works Energy already has a business license with the Town of Mesilla.

IMPACT:
- The PZHAC has jurisdiction to recommend approval of the applicant's request for approval of this request to the BOT.
- The applicant has the authority to make an application request to the PZHAC and BOT.
- The applicant has the authority to appeal the decision from PZHAC to BOT.

ALTERNATIVES:
The Planning, Zoning and Historical Appropriateness Commission (PZHAC) may:
1. Recommend approval of this case with findings stated above.
2. Recommend approval of this case with findings stated above and conditions.
3. Deny the application.

DEPARTMENT COMMENTS:

MTC 18.35.060 (I)(4)
4. The use of solar and other energy collecting and conserving strategies is encouraged by Mesilla. Where publicly visible, solar features and equipment shall be architecturally integrated or screened and shall not be visible from any public right-of-way.

SUPPORTING INFORMATION:
- Application
- Photo of Home
- Proof of Ownership
- Change Order
- Contractor Agreement
- Site Plan/Elevations

DETERMINATION NOTES
Approved, 4-0, no conditions- must be screened from publics view/street

TOWN OF MESILLA

2231 AVENIDA DE MESILLA
MESILLA, NM, 88046
PO BOX 10
575-524-3262
comdev@mesillanm.gov

2025 ZONING PERMIT APPLICATION

CASE # 062048

Review Fee $ 28.50
Permit Fee $ 170.00
Penalty Fee $ _____
Extension Fee $ _____
TOTAL FEE $ 198.50

Name of property owner	Worksite Address		
Brad Shuster	2825 Boldt St, Mesilla, NM 88046		
ID/DL # [redacted]	Mailing Address 2825 Boldt St, Mesilla, NM 88046		
Phone (575) 680-7311	Email shustercharles92@gmail.com	Dona Ana County Account # R0401039/4-006-137-442-477	
Contractor Solar Works Energy	Mailing Address 3636 Menaul Blvd NE Suite 200, Albuquerque, NM 87110	Phone 505-348-5571	License # 395807
Description of Proposed work Installation of a roof-mounted 4.840kW solar array with 11 panels, 329 sq ft.			
Evaluation Cost $ 11728.85			

Amberly Martinez
Signature of Applicant

September 01, 2025
Date

ALONG WITH this application, proof of property ownership and signed contractor/client contract agreement is required to include evaluation cost of project. Plans are to be no larger than 11"x 17" or submitted electronically.

1. ✓ Site Plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was LEGALLY subdivided through the Town of Mesilla or that the lot has been in existence prior to March 14, 1972.
2. X Foundation Plan, new construction in full size drawings
3. X Floor Plan, showing rooms, their uses and with dimensions
4. X Cross section walls
5. ✓ Roof Plan and floor framing plan
6. ✓ Electrical Plans
7. X Plumbing Plans
8. ✓ Elevations, details of architectural style and color scheme (checklist for Historic Zones)
9. X Drainage plans (commercial)

Application is not considered to be submitted until ALL required documentation is submitted and application fee(s) are paid. Aside from administrative approvals, application process must undergo review by staff, PZHAC and/or BOT before permit is issued. All required NM CID permits must first obtain a zoning permit if work is to be performed in Mesilla. ***ALL permits must be displayed in clear view until final inspection***

OFFICE USE ONLY

Reviewed by: Public Works	Lorenzo Astorga (Sep 10, 2025 16:18:52 MDT)	☐	Date 09/10/25
Fire Department	Greg Whited	✓	Date 09/10/25
NM CID	Thomas Maese	✓	Date 09/10/25
Community Development		✓	Date 09/10/25

Date(s) Approved: _____ Administrative _____ PZHAC _____ BOT _____ CID

COMMENT(S)_____

015015


2830 Boldt St
Las Cruces, New Mexico
Google Street View
May 2023 See more dates
Mexico State Rd 101
Google

016016


BOLDT ST
W. UNIVERSITY
Parcel: SHUSTER CHARLES B & MICHELE T
ACCOUNT NUMBER: R0401039
PARCEL NUMBER: 4006137442477
OWNER NAME: SHUSTER CHARLES B & MICHELE T
MAILING ADDRESS: 2825 BOLDT ST
CITY: LAS CRUCES
STATE: NM
ZIP: 88005
SUBDIVISION NAME: MESILLA FARMS SUBDIVISION (BK 15 PG 389-390 - 8822094)
Lot: 5 Block: C
SITE ADDRESS: 2825 BOLDT ST
ACREAGE: 0.27
SQUARE FOOTAGE: 11,752.00
TOTAL VALUATION (LAND &
Zoom to
017017

CHANGE ORDER

SOLAR WORKS ENERGY

This amendment to the installation agreement, "**CHANGE ORDER,**" amends the previous installation agreement dated 2025-06-06, outlining the purchase of a solar energy system and entered into between Charles Shuster ("**Buyer**"), at (physical address): 2825 Boldt St Las Cruces, NM 88005, and **Solar Works Energy LLC (SWE)** at 3636 Menaul Blvd NE Suite 200 Albuquerque, NM 87110 This CHANGE ORDER is effective as of the following date: 07/29/2025

Necessary Change: SWE agrees to provide BUYER the system outlined in the above referenced installation agreement and amended as follows:

To include main panel upgrade to bring electrical panel up to code for solar installation

Original Contract Price:	$ 18634
This Change Order:	$ 3,500.00
Cost of Previous Change Order (1)	$
Cost of Previous Change Order (2):	$
New ("Contract Price"):	**$** 22134

Buyer: Charles Shuster

Signature: Charles Shuster ce64180414b80c0d1277832d1d523956b60d65c95a54a8b7c

Date: August 1, 2025

SWE Print: Christina Martinez

Signature: Joey Perez f864c8f7f480fb6d6c77a5bf379f5cbc794d5431e5353d478b87

Date: 07/29/2025

Envelope Report

ID	0f13a20e-6da5-4279-adf3-f42011df9523
Created	2025-07-30T00:18:19.071Z

Document	Signer	Signer ID	IP Address	Timestamp
Solar Works - Change Order - V2	Charles Shuster shustercharles92@gmail.com	ce64180414b80c0d1277832d1d523956b60d65c95a54a8b7d7686179809a4a2b	107.115.33.28	2025-08-01T22:27:57.603Z
Solar Works - Change Order - V2	Joey Perez joey.perez@solarworksenergy.com	f864c8f7f480fb6d6c77a5bf379f5cbc794d5431e5353d478b879a46bec0ab1a	0.0.0.0	2025-07-30T00:18:18.367Z

SOLAR INSTALLATION AGREEMENT

This INSTALLATION AGREEMENT ("**AGREEMENT**") to design, procure, and install your solar energy system is entered between Charles Shuster, michele Shuster ("**Buyer**"), at (physical address): 2825 Boldt St Las Cruces, NM 88005 (referred to in this Agreement as the "Property"), and Solar Works Energy LLC, (also referred to as "SWE") with office address of 3636 Menaul Blvd NE Suite 200, Albuquerque, NM 87110, effective as of the following date: 06/06/2025 ("Effective Date").

System: Subject to the terms and provisions of this Agreement, SWE agrees to provide to Buyer the following solar energy system at the physical address shown above. The components installed at the physical address, once installed, is referred to herein as the "System."

Customer	First Name: Charles	Last Name: Shuster
	Phone: (575) 680-7311	Mobile Phone:
	Email: shustercharles92@gmail.com	
Property Address	Street: 2825 Boldt St	
	City, State, Zip: Las Cruces, NM 88005	
System Info	DC kW: 4.84 kW	Modules: Hyundai Solar HiN440NF(BK)
	Inverter: SolarEdge	Notes:

Contract Price: $18,634.00	**Down Payment:** $5,590.20

Schedule of Progress Payments: Buyer agrees to pay the entire Contract Price according to the schedule of progress payments below. All progress payment amounts are due immediately upon completion of associated milestones by SWE.

Estimates: Buyer understands and agrees that estimates of annual production levels, availability of tax rebates or credits. and energy offsets provided by SWE, or its dealers or representatives are estimates and may vary from actual results depending on individual circumstances. Soiling, weather and module degradation and other factors will affect annual production. Refer to manufacturer's warranty(s) for warrantied system performance/ production.

Payment Terms. Payment terms for the above Purchase Price will vary by the method of financing and are detailed below (please check one):

x☐ **Cash Purchase:**

- **o 30% due upon signing of contract.**
- **o 60% due within 3 days of ordering equipment for installation.**
- **o 10% (totaling 100% - final payment)** is due upon completion. Completion is defined as final inspection passed, utility commissioning completed, and delivery to Buyer of owner's manual.
- o Buyer acknowledges that there shall be a non-refundable $2,500 plus tax design and permit fee if for any reason the project is cancelled after the three-day allowable cancellation period but prior to any construction beginning, unless cancelled by SWE. Buyer shall not have the right to cancel the project or this Agreement after the initiation of construction at Buyer's location.
- o Milestone payments will incur a 7% finance charge if not received within 30 days of the due date.

MILESTONE	ASSOCIATED WORK/SERVICES	ASSOCIATED MATERIALS	PAYMENT AMOUNT
Down Payment 30%	Assessment / Engineering / Permitting	System Design Approval	$ $5,590.20
System Equipment Order 60%	Due upon ordering equipment for installation	Modules/Inverters/Racking/ BOS	$ $11,180.40
PTO 10%	Permission to Operate – Utility Interconnection Executed	Close-out and Warranty Information. Monitoring login.	$ $1,863.40

Equipment List: Your System includes the installation of all modules/panels, inverters, and racking to be set forth in a Site Plan and Equipment List, which will be signed by the Buyer and a representative of SWE prior to commencement of installation, along with all labor associated with property analysis and system design, system engineering, application for building permits and other city and state approvals, and connection to the power grid, all of which is included in the Contract Price described below.

x☐ **Financing.** Terms of Financing may depend on available equity, creditworthiness, or other case-by-case considerations, and, to the extent that such terms affect the relationship between Buyer and SWE, are attached hereto and incorporated by this reference. Buyer agrees to keep SWE reasonably apprised of Buyer's efforts to obtain financing. Unless otherwise stated below, Buyer or Buyer's lender must provide 50% of the Purchase Price Prior to Construction or the lender must provide written confirmation that financing has been approved for the contract amount. If finance approval is withdrawn, or if for any reason the project does not move forward after financing is approved but before construction has commenced, Buyer agrees to be responsible for a $2,500 plus tax non-refundable design and permit fee. Please specify finance product and any relevant payment terms here: N/A.

CS mS **By initialing, the Parties agree that the purchase is contingent upon approval of financing. If not checked, Buyer is warranting that Buyer has the financial capacity to go forward with a cash purchase even if financing is not approved. SWE will not begin the system design or permitting until it has written notice of finance approval if this box is checked, which Buyer acknowledges may delay the installation date.**

System Variation from the Contract:

If the system DC kW cannot be met due to unforeseen limitations of the available roof or by Buyer's aesthetic preference, a smaller system will be installed. The price for this smaller system will be proportional to the DC kW

of said system. Annual kWh production in the proposal is estimated and may vary slightly from the actual production. Module availability changes rapidly. The modules proposed may differ from the modules installed, however, the DC kW on contract will never decrease.

Note About Extra Work and Change Orders:

Extra Work and Change Orders become a part of the contract once the order is prepared in writing and signed by the Parties before the start of the work covered by the change order. Buyer may not require SWE to perform extra or change- order work without providing written authorization before the start of work covered by the change order.

Extra work or a change order is not enforceable against Buyer unless the change order identifies all of the following in writing before the start of work covered by the new change order: (1) The scope of work encompassed by the order; (2) the amount to be added or subtracted from the contract; and (3) the effect the order will make in the progress payments or the completion date. SWE'S failure to comply with the requirements of this paragraph does not preclude the recovery of compensation for work performed based upon legal or equitable remedies designed to prevent unjust enrichment.

Limited Warranty: Subject to the limitations set forth in this Agreement, SWE provides Buyer with a 10-year limited warranty from the date of completion as part of this Agreement, which shall be in combination with component manufacturers to protect Customers against defective workmanship, system or component breakdown. SWE will not charge for parts and labor costs associated with SWE's limited warranty.

The limited warranty does not warrant any specific electrical performance of the System except as indicated above, does not cover a Solar System defective for any other reason than stated above. In addition, the limited warranty does not cover cosmetic defects from normal wear and tear of the System.

For roof-penetrating system installations, SWE provides a 5-year limited warranty covering damage to the roof structure caused by SWE during the installation of roof penetrations. However, this limited warranty applies only for the duration of any existing roof warranties in place at the time of installation, as provided by the original roofing contractor(s). If the existing roof warranty expires before the 5-year period, SWE's coverage will end at the same time.

SWE will not remedy, replace or pay for any work done on warranted goods by any parties other than SWE and/or SWE's authorized agents. Work performed on the system by other parties, to include removal and replacement of panels, any alteration whatsoever of the System, shall void this limited warranty. Warranty claims must be filed in writing within the applicable warranty period.

Further, this warranty shall not apply to any defect, damage, malfunction, or degradation of the System or the roof of the property arising from: (i) Buyer's or subsequent homeowners failure to follow SWE's oral or written instructions as to the storage, commissioning, use or maintenance of the System; (ii) any repair, alteration, or replacement of the System or a component thereof without the prior written consent of SWE; (iii) the negligent acts or omissions of any person other than SWE; (iv) unknown defects with the property, excepting structures installed by SWE; normal wear and tear, including expected degradation of electrical output and foreseen and unforeseen weather events (e.g., falling tree limbs or hail or snow damage); or a force majeure event (including direct and incidental weather damage).

Additional manufacturer's warranties may be available from the manufacturers of solar modules (Up to 25 years) and inverters (Up to 25 years).

DISCLAIMER: EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE, SWE MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS OR SERVICES, INCLUDING ANY (A)

WARRANTY OF MERCHANTABILITY OR (B) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

Site Access: Buyer grants SWE and any subcontractors' full permission to enter the site during the System installation, and to use reasonable work areas in order to complete the installation. Buyer also grants SWE permission to access the site after completion for the purposes of repair, inspection, monitoring, or update of the System.

Unforeseen Conditions: SWE is not responsible for delays or expenses related to unanticipated, unusual, or unforeseen conditions at the site, including but not limited to inclement weather, roof condition and structure, subsurface conditions, underground or aboveground water, gas or severed pipes, electrical or cable lines or transformers, or any other physical or material hindrance to the installation of the System. If SWE discovers unforeseen conditions requiring additional cost, SWE shall present such costs to Buyer through a change order and receive Buyer's written approval before beginning or continuing installation.

If the installation is a ground mounted system, Buyer acknowledges that ground-mounted systems require excavation and anchoring, and the presence of unexpected subsurface conditions may impact installation feasibility and costs. Due to the inherent difficulty in determining precise soil conditions prior to excavation, SWE cannot guarantee the absence of such conditions.

If SWE encounters subsurface conditions that require additional labor, specialized equipment, or alternative mounting solutions, SWE will notify the Buyer in writing and provide a change order detailing the necessary modifications and any associated costs. The Buyer must approve the change order in writing before SWE proceeds with further work. If the project must be terminated due to the Buyer's refusal to approve necessary changes, the Buyer will remain responsible for any costs incurred up to that point, including but not limited to site assessments, engineering, permitting, material procurement, and any other expenses related to project initiation.

By signing this Agreement, the Buyer acknowledges the potential for unforeseen subsurface conditions and accepts responsibility for any additional costs or delays that may arise as a result.

Unpermitted Work and Construction During Installation: Buyer acknowledges and agrees to inform SWE in writing of any existing unpermitted construction, modifications, or additions to the property prior to the entering into contract. Failure to disclose such unpermitted work may result in delays in obtaining necessary permits, inspections and approvals, for which the Buyer shall bear full responsibility. Buyer agrees not to commence any new construction, remodeling, or modifications to the property from the time of contract execution until final approval for the solar installation has been received from the relevant jurisdiction, without prior approval from SWE.

If non-disclosed existing unpermitted work or new construction causes delays in passing inspections or completing the installation, the Buyer shall be responsible for any additional costs incurred by SWE, including but not limited to additional inspection fees, rework costs, penalties, lender payments, and any other expenses resulting from such delays.

Distributed Generation System Disclosure Statement: Buyer acknowledges having received a contemporaneously-provided disclosure statement ("Disclosure Statement"). Disclosure Statement is hereby incorporated into this Agreement.

Production Guarantee: We guarantee that your system will produce at least 85% of the estimated production included under section V of the contemporaneously-provided Distributed Generation System Disclosure Statement for the first 5 years following installation. Under the guarantee, SWE will reimburse Buyer at a rate of $0.09/kWh for lost production starting with the date the buyer notifies Solar Works of the failure to meet required production.

Existing Conditions: SWE is not responsible and bears no liability for the malfunctioning of existing electrical equipment at the site, including but not limited to the main electrical service panel, any major electrical devices, or any other fuses or similar devices.

Title and Risk of Loss: Upon delivery of any parts of the System to Buyer's property, including PV modules, rails, disconnects, combiner boxes, inverters or any other part of the System, title to such parts shall transfer to the Buyer, and the Buyer shall bear any risk of loss or damage to such parts from any type of physical harm, theft, or any other damage not directly resulting from the actions of the SWE.

Termination and Default: SWE may terminate this contract for any breach of this contract, material or nonmaterial, for any failure of Buyer to agree to an appropriate change order, for any failure of the Buyer to pay SWE any amount due, for bankruptcy or financial distress of Buyer, or for any hindrance to SWE in the installation process. In the event of any default or cancellation by the Buyer beyond the right of cancellation described in Exhibit 1 to this contract. Buyer shall reimburse SWE for all amounts or costs reasonably incurred by SWE under this contract, including, but not limited to, permitting costs, engineering costs, labor costs, materials costs, and/or legal costs. SWE shall have the right to: offset any such amounts against the down payment in addition to any and all other remedies available.

Privacy/Publicity: Buyer grants SWE the full rights and permission to publicly use, display, share, and advertise the photographic images, System details, price and any other non-personally identifying information of the System. SWE shall not knowingly release any personal data about Buyer or, besides the above, any data associating Buyer with the property on which the System is installed. The Buyer shall have the right to opt out of these publicity rights by communicating such wishes with SWE in writing prior to completion.

Entire Agreement: This Agreement contains the entire understanding of SWE and the Buyer with respect to the subject matter hereof and supersedes all prior and contemporaneous written or oral understandings, agreements, representations, and warranties with respect to such subject matter.

Severability: If any provision of this Agreement becomes or is declared by a court of competent jurisdiction to be illegal, unenforceable or void, portions of such provision, or such provision in its entirety, to the extent necessary, shall be severed from this Agreement. The balance of this Agreement shall continue to be enforceable in accordance with its terms.

Dispute Resolution: The Parties agree to resolve any dispute between them by binding arbitration. Arbitration will be pursuant to the rules of the American Arbitration Association ("AAA") but need not be conducted by the AAA. The arbitration will be held in Bernalillo County, New Mexico and may be conducted by a single arbitrator selected by the Parties. The prevailing party in any such arbitration shall be awarded reasonable attorneys' fees, expert and non-expert witness costs and expenses and other costs and expenses incurred in connection with such arbitration.

Tax Credits and Incentives: Buyer explicitly acknowledges that any representations made by Solar Works Energy LLC regarding any state or federal tax incentives or rebates for which Buyer might be eligible is based on general application of federal and state tax legislation. Buyer should consult a tax professional to determine whether any modeled tax incentives would be realized by Buyer based on Buyer's unique circumstances and eligibility. Buyer further acknowledges that the Contract Price does not reflect any state or federal tax incentives or rebates for which Buyer might receive, and Solar Works Energy LLC assumes no liability in the event that Buyer fails to benefit from credits and incentives.

michele Shuster 503412bd19287b604ac6b4209dda89b33cacb6e0f951beed June 6, 2025

Charles Shuster 04aad618414d45f5cac44665c062330a0cd6249d01fd6fee2c June 6, 2025

Buyer Signature **Date**

Joey Perez f5b2d4226e137a9e1d261c697f6176555d06a537533eb04ab(06/06/2025

SWE Signature **Date**

ERROR: undefined
OFFENDING COMMAND: StartData

STACK:

57
(Binary)
false

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
ASSESSOR'S #: 4-006-137-442-477

GENERAL NOTES

1.1.1 PROJECT NOTES:

1.1.2 THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 690, ALL MANUFACTURERS'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION'S (AHJ) APPLICABLE CODES.

1.1.3 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION

1.1.4 ALL PV SYSTEM COMPONENTS; MODULES, UTILITY-INTERACTIVE INVERTERS, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIED AND LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY NEC 690.4: PV MODULES: UL1703, IEC61730, AND IEC61215, AND NFPA 70 CLASS C FIRE INVERTERS: UL 1741 CERTIFIED, IEEE 1547, 929, 519 COMBINER BOX(ES): UL 1703 OR UL 1741 ACCESSORY

1.1.5 MAX DC VOLTAGE CALCULATED USING MANUFACTURER PROVIDED TEMP COEFFICIENT FOR VOC. IF UNAVAILABLE, MAX DC VOLTAGE CALCULATED ACCORDING TO NEC 690.7.

1.1.6 ALL INVERTERS, PHOTOVOLTAIC MODULES, PHOTOVOLTAIC PANELS, AND SOURCE CIRCUIT COMBINERS INTENDED FOR USE IN A PHOTOVOLTAIC POWER SYSTEM WILL BE IDENTIFIED AND LISTED FOR THE APPLICATION PER 690.4 (D). SHALL BE INSTALLED ACCORDING TO ANY INSTRUCTIONS FROM LISTING OR LABELING [NEC 110.3].

1.1.7 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.

1.2.1 SCOPE OF WORK:

1.2.2 PRIME CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC SYSTEM RETROFIT. PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTING EXISTING ONSITE REQUIREMENTS TO DESIGN, SPECIFY, AND INSTALL THE EXTERIOR ROOF-MOUNTED PORTION OF THE PHOTOVOLTAIC SYSTEMS DETAILED IN THIS DOCUMENT.

1.3.1 WORK INCLUDES:

1.3.2 PV ROOF ATTACHMENTS - UNIRAC RM10 EVO

1.3.3 PV RACKING SYSTEM INSTALLATION - UNIRAC RM10EVO

1.3.4 PV MODULE AND INVERTER INSTALLATION - HYUNDAI HIN-T440NF(BK) / SOLAR EDGE SE5700H-US HOME HUB (240V)

1.3.5 PV EQUIPMENT GROUNDING

1.3.6 PV SYSTEM WIRING TO A ROOF-MOUNTED JUNCTION BOX

1.3.7 PV LOAD CENTERS (IF INCLUDED)

1.3.8 PV METERING/MONITORING (IF INCLUDED)

1.3.9 PV DISCONNECTS

1.3.10 PV FINAL COMMISSIONING

1.3.11 (E) ELECTRICAL EQUIPMENT RETROFIT FOR PV

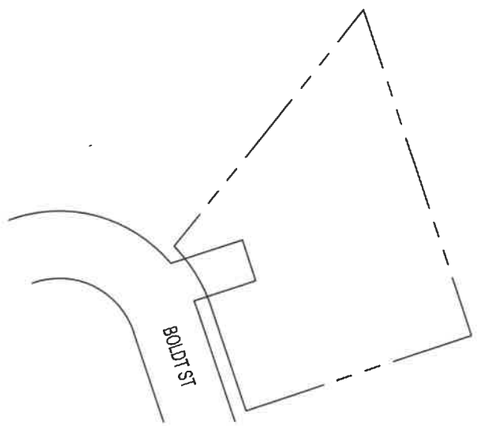
1.3.12 SIGNAGE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE

SCOPE OF WORK

SYSTEM SIZE:	STC: 11 X 440W = 4.840KW PTC: 11 X 418W = 4.598KW (11) HYUNDAI HIN-T440NF(BK) (1) SOLAR EDGE SE5700H-US HOME HUB (240V)
ATTACHMENT TYPE:	UNIRAC RM10 EVO
MSP UPGRADE:	YES

01 AERIAL PHOTO

NOT TO SCALE



02 PLAT MAP

NOT TO SCALE

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
T-001.00	COVER PAGE
G-001.00	NOTES
A-101.00	SITE PLAN
A-102.00	ELECTRICAL PLAN
A-103.00	SOLAR ATTACHMENT PLAN
S-501.00	ASSEMBLY DETAILS
E-601.00	LINE DIAGRAM
E-602.00	PLACARDS
R-001.00	RESOURCE DOCUMENT
R-002.00	RESOURCE DOCUMENT
R-003.00	RESOURCE DOCUMENT
R-004.00	RESOURCE DOCUMENT
R-005.00	RESOURCE DOCUMENT

PROJECT INFORMATION

OWNER
NAME: BRAD SHUSTER #32088

PROJECT MANAGER
NAME: CHRIS HILKERT
PHONE:

CONTRACTOR
NAME: SOLAR WORKS ENERGY
PHONE: (505)-348-5571

AUTHORITIES HAVING JURISDICTION
BUILDING: MESILLA TOWN
ZONING: MESILLA TOWN
UTILITY: EPE

DESIGN SPECIFICATIONS
OCCUPANCY: II
CONSTRUCTION: SINGLE-FAMILY
ZONING: RESIDENTIAL
GROUND SNOW LOAD: 9 PSF
WIND EXPOSURE: B
WIND SPEED: 105 MPH

APPLICABLE CODES & STANDARDS
BUILDING: IBC 2021, IRC 2021
ELECTRICAL: NEC 2020
FIRE: IFC 2021

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

COVER PAGE

DATE: 11.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

T-001.00

(SHEET 1)

2.1.1 SITE NOTES:

2.1.2 A LADDER WILL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH OSHA REGULATIONS.

2.1.3 THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS A UTILITY INTERACTIVE SYSTEM WITH NO STORAGE BATTERIES.

2.1.4 THE SOLAR PV INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL, OR BUILDING ROOF VENTS.

2.1.5 PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED ELECTRICAL EQUIPMENT WILL BE PROVIDED AS PER SECTION NEC 110.26.

2.1.6 ROOF COVERINGS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S INSTRUCTIONS SUCH THAT THE ROOF COVERING SERVES TO PROTECT THE BUILDING OR STRUCTURE.

2.2.1 EQUIPMENT LOCATIONS

2.2.2 ALL EQUIPMENT SHALL MEET MINIMUM SETBACKS AS REQUIRED BY NEC 110.26.

2.2.3 WIRING SYSTEMS INSTALLED IN DIRECT SUNLIGHT MUST BE RATED FOR EXPECTED OPERATING TEMPERATURE AS SPECIFIED BY NEC 690.31 (A),(C) AND NEC TABLE 310.15 (B)(1).

2.2.4 JUNCTION AND PULL BOXES PERMITTED INSTALLED UNDER PV MODULES ACCORDING TO NEC 690.34.

2.2.5 ADDITIONAL AC DISCONNECT(S) SHALL BE PROVIDED WHERE THE INVERTER IS NOT WITHIN SIGHT OF THE AC SERVICING DISCONNECT.

2.2.6 ALL EQUIPMENT SHALL BE INSTALLED ACCESSIBLE TO QUALIFIED PERSONNEL ACCORDING TO NEC APPLICABLE CODES.

2.2.7 ALL COMPONENTS ARE LISTED FOR THEIR PURPOSE AND RATED FOR OUTDOOR USAGE WHEN APPROPRIATE.

2.3.1 STRUCTURAL NOTES:

2.3.2 RACKING SYSTEM & PV ARRAY WILL BE INSTALLED ACCORDING TO CODE-COMPLIANT INSTALLATION MANUAL. TOP CLAMPS REQUIRE A DESIGNATED SPACE BETWEEN MODULES, AND RAILS MUST ALSO EXTEND A MINIMUM DISTANCE BEYOND EITHER EDGE OF THE ARRAY/SUBARRAY, ACCORDING TO RAIL MANUFACTURER'S INSTRUCTIONS.

2.3.3 JUNCTION BOX WILL BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS. IF ROOF-PENETRATING TYPE, IT SHALL BE FLASHED & SEALED PER LOCAL REQUIREMENTS.

2.3.4 ROOFTOP PENETRATIONS FOR PV RACEWAY WILL BE COMPLETED AND SEALED W/ APPROVED CHEMICAL SEALANT PER CODE BY A LICENSED CONTRACTOR.

2.3.5 ALL PV RELATED ROOF ATTACHMENTS TO BE SPACED NO GREATER THAN THE SPAN DISTANCE SPECIFIED BY THE RACKING MANUFACTURER.

2.3.6 WHEN POSSIBLE, ALL PV RELATED RACKING ATTACHMENTS WILL BE STAGGERED AMONGST THE ROOF FRAMING MEMBERS.

2.4.1 GROUNDING NOTES:

2.4.2 GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE, AND GROUNDING DEVICES EXPOSED TO THE ELEMENTS SHALL BE RATED FOR SUCH USE.

2.4.3 PV SYSTEMS REQUIRE AN EQUIPMENT GROUNDING CONDUCTOR. ALL METAL ELECTRICAL EQUIPMENT AND STRUCTURAL COMPONENTS BONDED TO GROUND, IN ACCORDANCE WITH 250.134 OR 250.136(A). ONLY THE DC CONDUCTORS ARE UNGROUNDED.

2.4.4 PV EQUIPMENT SHALL BE GROUNDED ACCORDING TO NEC 690.43 AND MINIMUM NEC TABLE 250.122.

2.4.5 METAL PARTS OF MODULE FRAMES, MODULE RACKING, AND ENCLOSURE CONSIDERED GROUNDED IN ACCORD WITH 250.134 AND 250.136(A).

2.4.6 EACH MODULE WILL BE GROUNDED USING WEEB GROUNDING CLIPS AS SHOWN IN MANUFACTURER DOCUMENTATION AND APPROVED BY THE AHJ. IF WEEBS ARE NOT USED, MODULE GROUNDING LUGS MUST BE INSTALLED AT THE SPECIFIED GROUNDING LUG HOLES PER THE MANUFACTURERS' INSTALLATION REQUIREMENTS.

2.4.7 THE GROUNDING CONNECTION TO A MODULE SHALL BE ARRANGED SUCH THAT THE REMOVAL OF A MODULE DOES NOT INTERRUPT A GROUNDING CONDUCTOR TO ANOTHER MODULE.

2.4.8 GROUNDING AND BONDING CONDUCTORS, IF INSULATED, SHALL BE COLORED GREEN OR MARKED GREEN IF #4 AWG OR LARGER [NEC 250.119]

2.4.9 THE GROUNDING ELECTRODE SYSTEM COMPLIES WITH NEC 690.47 AND NEC 250.50 THROUGH 250.106. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, A GROUNDING ELECTRODE SYSTEM PROVIDED ACCORDING TO NEC 250, NEC 690.47 AND AHJ.

2.4.10 DC PV ARRAYS SHALL BE PROVIDED WITH DC GROUND-FAULT PROTECTION MEETING THE REQUIREMENTS OF 690.41(B)(1) THROUGH (3) TO REDUCE FIRE HAZARDS

2.5.1 INTERCONNECTION NOTES:

2.5.2 LOAD-SIDE INTERCONNECTION SHALL BE IN ACCORDANCE WITH [NEC 705.12]

2.5.3 THE SUM OF 125 PERCENT OF THE POWER SOURCE(S) OUTPUT CIRCUIT CURRENT AND THE RATING OF THE OVERCURRENT DEVICE PROTECTING THE BUSBAR SHALL NOT EXCEED 120 PERCENT OF THE AMPACITY OF THE BUSBAR, PV DEDICATED BACKFEED BREAKERS MUST BE LOCATED OPPOSITE END OF THE BUS FROM THE UTILITY SOURCE OCPD [NEC 705.12(B)(3)(2)].

2.5.4 AT MULTIPLE ELECTRIC POWER SOURCES OUTPUT COMBINER PANEL, TOTAL RATING OF ALL OVERCURRENT DEVICES SHALL NOT EXCEED AMPACITY OF BUSBAR. HOWEVER, THE COMBINED OVERCURRENT DEVICE MAY BE EXCLUDED ACCORDING TO NEC 705.12 (B)(3)(3).

2.5.5 FEEDER TAP INTERCONNECTION (LOAD SIDE) ACCORDING TO NEC 705.12 (B)(1) AND (2)

2.5.6 SUPPLY SIDE TAP INTERCONNECTION ACCORDING TO NEC 705.11 WITH SERVICE ENTRANCE CONDUCTORS IN ACCORDANCE WITH NEC 230.42

2.5.7 BACKFEEDING BREAKER FOR ELECTRIC POWER SOURCES OUTPUT IS EXEMPT FROM ADDITIONAL FASTENING [NEC 705.12 (E)].

2.6.1 DISCONNECTION AND OVER-CURRENT PROTECTION NOTES:

2.6.2 DISCONNECTING SWITCHES SHALL BE WIRED SUCH THAT WHEN THE SWITCH IS OPENED THE CONDUCTORS REMAINING ENERGIZED ARE CONNECTED TO THE TERMINALS MARKED "LINE SIDE" (TYPICALLY THE UPPER TERMINALS).

2.6.3 DISCONNECTS TO BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, BE LOCKABLE, AND BE A VISIBLE-BREAK SWITCH.

2.6.4 BOTH POSITIVE AND NEGATIVE PV CONDUCTORS ARE UNGROUNDED. THEREFORE BOTH MUST OPEN WHERE A DISCONNECT IS REQUIRED, ACCORDING TO NEC 690.13.

2.6.5 ISOLATING DEVICES OR EQUIPMENT DISCONNECTING MEANS SHALL BE INSTALLED IN CIRCUITS CONNECTED TO EQUIPMENT AT A LOCATION WITHIN THE EQUIPMENT, OR WITHIN SIGHT AND WITHIN 10 FT. OF THE EQUIPMENT. AN EQUIPMENT DISCONNECTING MEANS SHALL BE PERMITTED TO BE REMOTE FROM THE EQUIPMENT WHERE THE EQUIPMENT DISCONNECTING MEANS CAN BE REMOTELY OPERATED FROM WITHIN 10 FT. OF THE EQUIPMENT, ACCORDING TO NEC 690.15 (A).

2.6.6 PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION TO REDUCE SHOCK HAZARD FOR EMERGENCY RESPONDERS IN ACCORDANCE WITH 690.12(A) THROUGH (D)

2.6.7 ALL OCPD RATINGS AND TYPES SPECIFIED ACCORDING TO NEC 690.8, 690.9, AND 240.

2.6.8 BOTH POSITIVE AND NEGATIVE PV CONDUCTORS ARE UNGROUNDED, THEREFORE BOTH REQUIRE OVER-CURRENT PROTECTION, ACCORDING TO NEC 240.21. (SEE EXCEPTION IN NEC 690.9)

2.6.9 IF REQUIRED BY AHJ, SYSTEM WILL INCLUDE ARC-FAULT CIRCUIT PROTECTION ACCORDING TO NEC 690.11 AND UL1699B.

2.7.1 WIRING & CONDUIT NOTES:

2.7.2 ALL CONDUIT AND WIRE WILL BE LISTED AND APPROVED FOR THEIR PURPOSE. CONDUIT AND WIRE SPECIFICATIONS ARE BASED ON MINIMUM CODE REQUIREMENTS AND ARE NOT MEANT TO LIMIT UP-SIZING.

2.7.3 ALL CONDUCTORS SIZED ACCORDING TO NEC 690.8, NEC 690.7.

2.7.4 EXPOSED PV SOURCE CIRCUITS AND OUTPUT CIRCUITS SHALL USE WIRE LISTED AND IDENTIFIED AS PHOTOVOLTAIC (PV) WIRE [690.31 (C)]. PV MODULES WIRE LEADS SHALL BE LISTED FOR USE ON PV ARRAYS, ACCORDING TO NEC 690.31 (A).

2.7.5 PV WIRE BLACK WIRE MAY BE FIELD-MARKED WHITE [NEC 200.6 (A)(5)].

2.7.6 MODULE WIRING SHALL BE LOCATED AND SECURED UNDER THE ARRAY.

2.7.7 ACCORDING TO NEC 200.7, UNGROUNDED SYSTEMS DC CONDUCTORS COLORED OR MARKED AS FOLLOWS:

DC POSITIVE- RED, OR OTHER COLOR EXCLUDING WHITE, GRAY AND GREEN

DC NEGATIVE- BLACK, OR OTHER COLOR EXCLUDING WHITE, GRAY AND GREEN

2.7.8 AC CONDUCTORS COLORED OR MARKED AS FOLLOWS:

PHASE A OR L1- BLACK

PHASE B OR L2- RED, OR OTHER CONVENTION IF THREE PHASE

PHASE C OR L3- BLUE, YELLOW, ORANGE*, OR OTHER CONVENTION

NEUTRAL- WHITE OR GRAY

* IN 4-WIRE DELTA CONNECTED SYSTEMS THE PHASE WITH HIGHER VOLTAGE TO BE MARKED ORANGE [NEC 110.15].

SOLAR WORKS

Power For The People

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807

HIC. NO.:

ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

NOTES

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

G-001.00

(SHEET 2)

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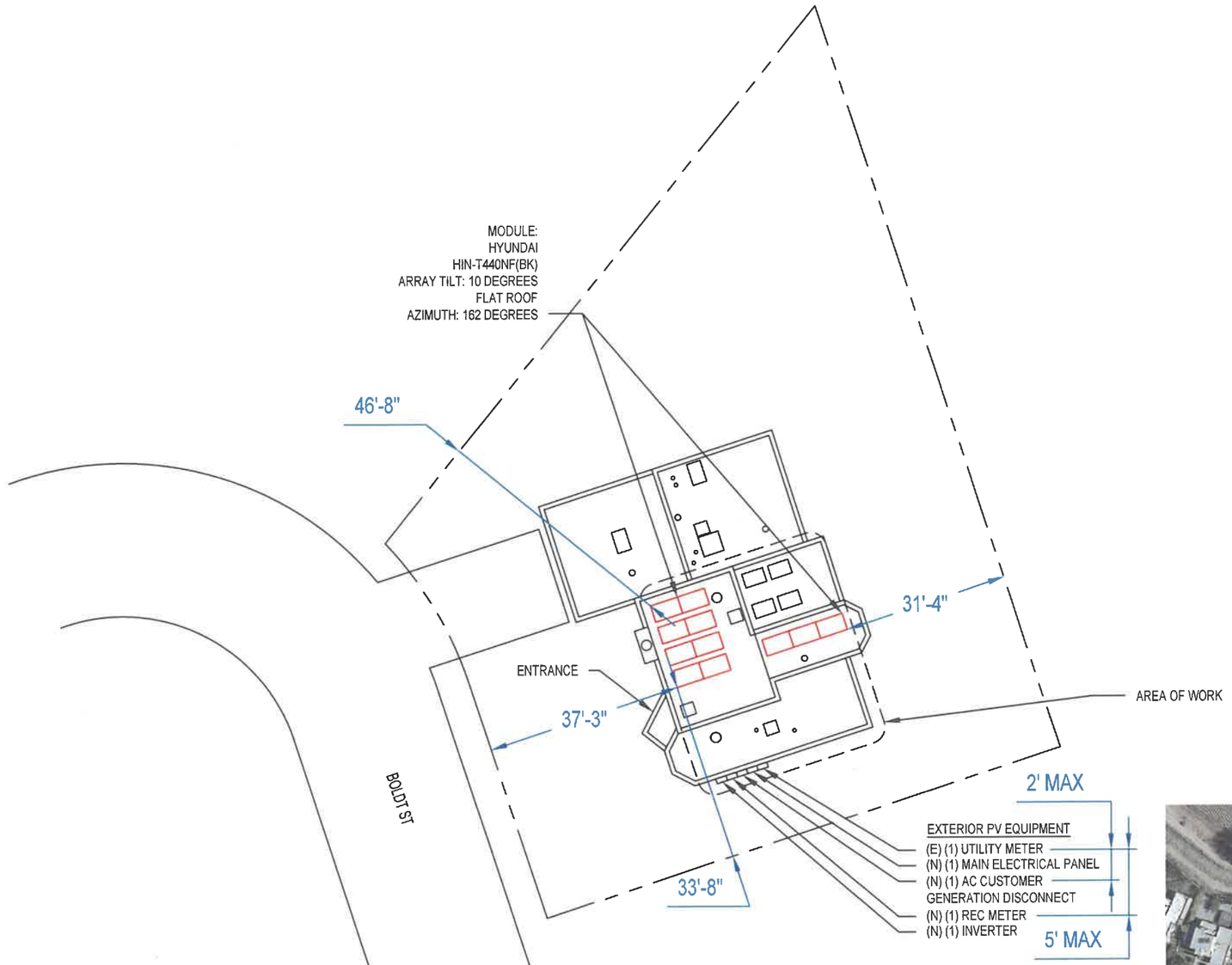

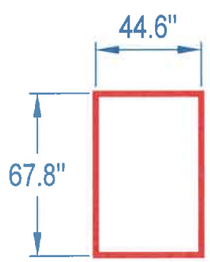

MODULE:
HYUNDAI
HIN-T440NF(BK)
440 WATTS

01 SITE PLAN

1/24" = 1'-0"

0 12' 24'

N
W E
S

02 VICINITY MAP

NOT TO SCALE

GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE

PROPERTY LINE

1. **ARRAY DOES NOT EXCEED 26 FT.**
2. **ACCESS ISSUES: NONE**

MODULES: 11 X HYUNDAI HIN-T440NF(BK) = 4.840KW (STC-DC)

INVERTER(S): 1X SOLAR EDGE SE5700H-US HOME HUB (240V) = 5.700 KW (AC)

NOTE: THE VISIBLE LOCKABLE AND LABELED AC DISCONNECT IS LOCATED ON ACCESSIBLE EXTERIOR WALL WITHIN 2 FT. OF METER

NOTE: REC METER LOCATED ON ACCESSIBLE EXTERIOR WALL WITHIN 5 FEET OF METER.

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
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NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088
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LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

SITE PLAN

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

A-101.00

(SHEET 3)

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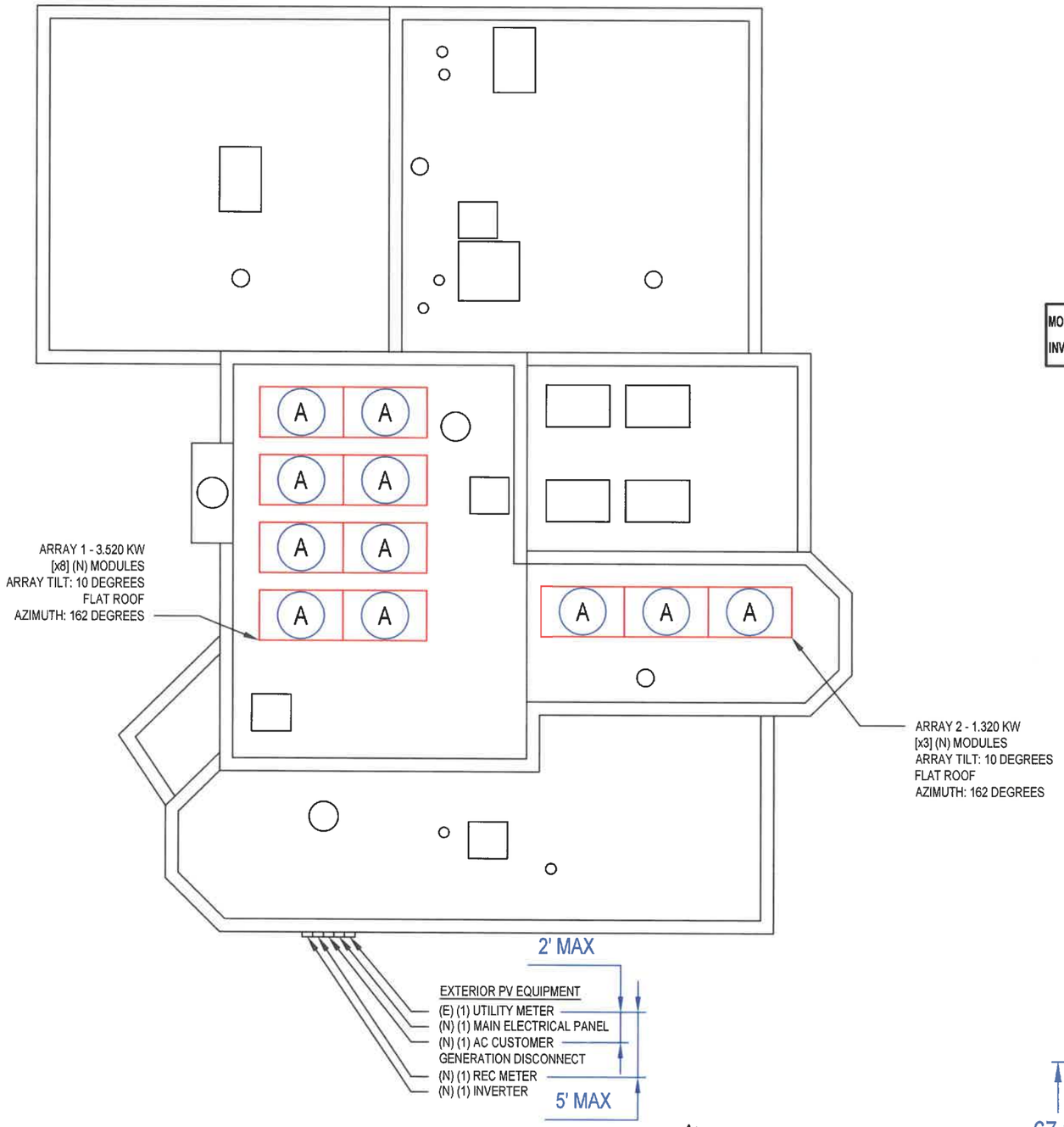


GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE

(A) MODULE STRINGING

1. ARRAY DOES NOT EXCEED 26 FT.

2. ACCESS ISSUES: NONE

MODULES: 11 X HYUNDAI HIN-T440NF(BK) = 4.840KW (STC-DC)

INVERTER(S): 1X SOLAR EDGE SE5700H-US HOME HUB (240V) = 5.700 KW (AC)

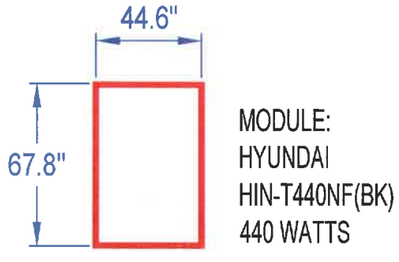
NOTE: THE VISIBLE LOCKABLE AND LABELED AC DISCONNECT IS LOCATED ON ACCESSIBLE EXTERIOR WALL WITHIN 2 FT. OF METER

NOTE: REC METER LOCATED ON ACCESSIBLE EXTERIOR WALL WITHIN 5 FEET OF METER.

01 ELECTRICAL PLAN

1/8" = 1'-0"

0 4' 8'



MODULE:
HYUNDAI
HIN-T440NF(BK)
440 WATTS

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ELECTRICAL PLAN

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

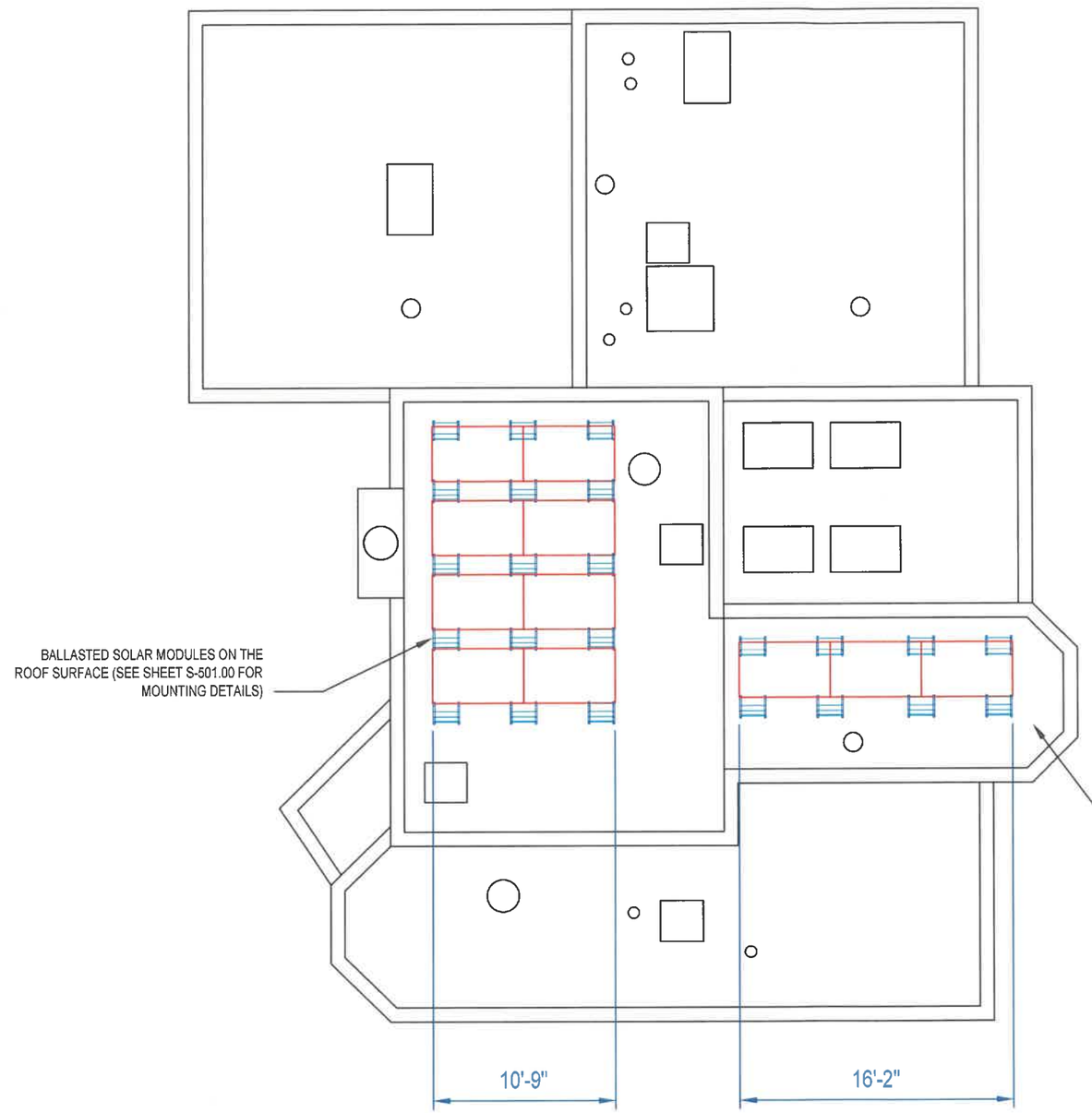
A-102.00

(SHEET 4)

029029

GENERAL NOTES

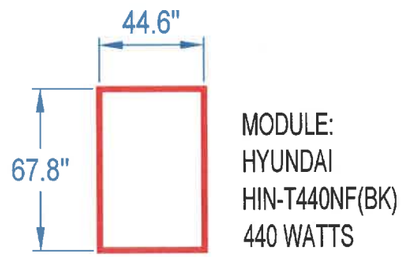
1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE



01 SOLAR ATTACHMENT PLAN

1/8" = 1'-0"

0 4' 8'



MODULE:
HYUNDAI
HIN-T440NF(BK)
440 WATTS

030030

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571
ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
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NEW PV SYSTEM: 4.840 kWp

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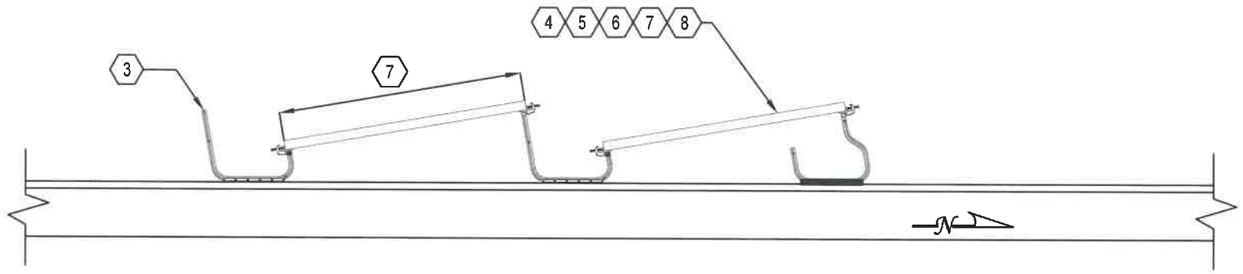
PAPER SIZE: 11" x 17" (ANSI B)

SOLAR ATTACHMENT PLAN

DATE: 10.08.2025
DESIGN BY: T. R.
CHECKED BY: M.M.

REVISIONS

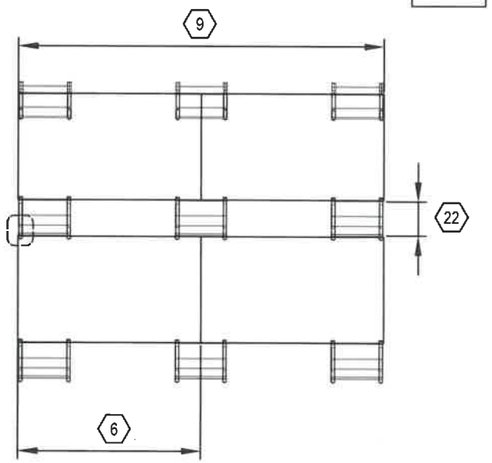
A-103.00
(SHEET 5)



D1 S-501

RACKING DETAIL (TRANSVERSE)

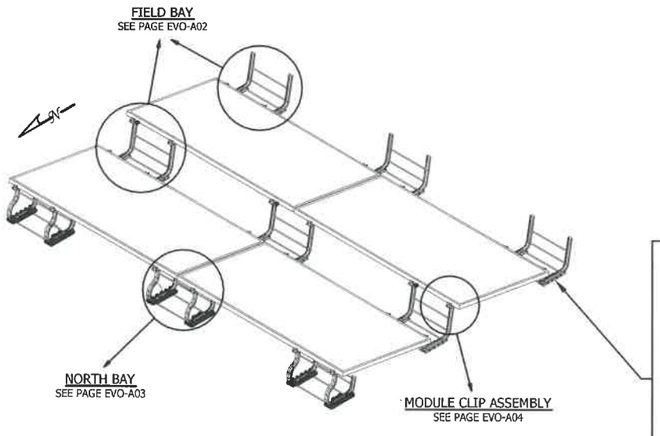
SCALE: NOT TO SCALE

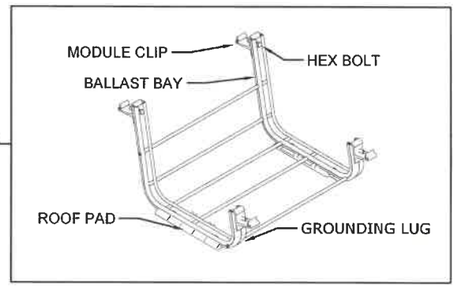


D2 S-501

RACKING DETAIL (TOP)

SCALE: NOT TO SCALE

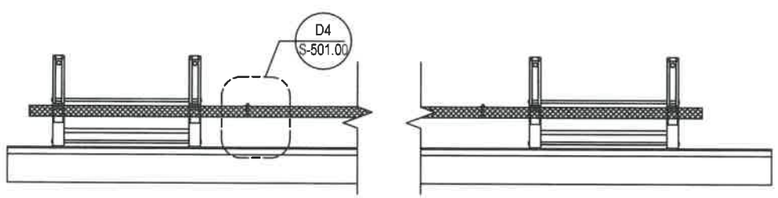




D3 S-501

DETAIL (LONGITUDINAL)

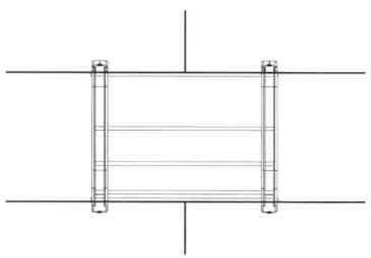
SCALE: NOT TO SCALE



D4 S-501

RACKING DETAIL (LONGITUDINAL)

SCALE: NOT TO SCALE



D5 S-501

DETAIL (TOP)

SCALE: NOT TO SCALE

GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE

SHEET KEYNOTES

1. ROOF MATERIAL: ROLLED ASPHALT
2. ROOF STRUCTURE: TRUSS
3. ATTACHMENT TYPE: UNIRAC RM10 EVO
4. MODULE MANUFACTURER: HYUNDAI
5. MODULE MODEL: HIN-T440NF(BK)
6. MODULE LENGTH: 67.8"
7. MODULE WIDTH: 44.6"
8. MODULE WEIGHT: 50.01 LBS.
9. SEE SHEET A-103 FOR DIMENSION(S)
10. MIN. FIRE OFFSET: NO FIRE CODE ENFORCED
11. TRUSS SPACING: 18" O.C.
12. TRUSS SIZE: 2X12" NOMINAL
13. TOTAL AREA: 329 SQ. FT.
14. TOTAL WEIGHT: 2718 LBS.
15. AVERAGE PSF: 8.26 PSF
16. MAX. VERTICAL STANDOFF: LANDSCAPE: 26 IN., PORTRAIT: 33 IN.
17. STANDOFF STAGGERING: NO
18. RAIL MANUFACTURER (OR EQUIV.):UNIRAC
19. RAIL MODEL (OR EQUIVALENT): RM10EVO
20. MAX. TRUSS SPAN: 14' FT.
21. ARRAY MAX HEIGHT: 13".
22. ROW NOMINAL SPACING: 14"
23. BAY EXTENSION: 18"
24. ARRAY MIN. HEIGHT: 6".
25. BALLAST WEIGHT: 2112 LBS
26. MAX BAY LOAD (DEAD): 180 LBS

SOLAR WORKS

Power For The People

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ASSEMBLY DETAILS

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

S-501.00

(SHEET 6)

031031

CONDUCTOR AND CONDUIT SCHEDULE W/ELECTRICAL CALCULATIONS

ID	TYPICAL	CONDUCTOR	CONDUIT	CURRENT-CARRYING CONDUCTORS IN CONDUIT	OCPD	EGC	TEMP. CORR. FACTOR	CONDUIT FILL FACTOR	CONT. CURRENT	MAX. CURRENT (125%)	BASE AMP.	DERATED AMP.	TERM. TEMP. RATING	AMP. @ TERMINAL
1	1	10 AWG PV WIRE, COPPER	FREE AIR	2	N/A	6 AWG BARE, COPPER	0.91 (37.9 °C)	1	15A	18.75A	55A	50.05A	75°C	50A
2	1	10 AWG THWN-2, COPPER	0.75" DIA CONDUIT	2	N/A	10 AWG THWN-2, COPPER	0.91 (37.9 °C)	1	15A	18.75A	40A	36.4A	75°C	35A
3	1	10 AWG THWN-2, COPPER	0.75" DIA CONDUIT	3	N/A	10 AWG THWN-2, COPPER	0.91 (37.9 °C)	1	24A	30A	40A	36.4A	75°C	35A
4	1	10 AWG THWN-2, COPPER	0.75" DIA CONDUIT	3	N/A	10 AWG THWN-2, COPPER	0.91 (37.9 °C)	1	24A	30A	40A	36.4A	75°C	35A
5	1	10 AWG THWN-2, COPPER	0.75" DIA CONDUIT	3	30A	10 AWG THWN-2, COPPER	0.91 (37.9 °C)	1	24A	30A	40A	36.4A	75°C	35A

SYSTEM SUMMARY

	INVERTER #1
	STRING #1
POWERBOX MAX OUTPUT CURRENT	15A
OPTIMIZERS IN SERIES	11
NOMINAL STRING VOLTAGE	380V
ARRAY OPERATING CURRENT	12.74A
ARRAY STC POWER	4,840W
ARRAY PTC POWER	4,598W
MAX AC CURRENT	24A
MAX AC POWER	5,700W
DERATED (CEC) AC POWER	4,488W

MODULES: 11 X HYUNDAI HIN-T440NF(BK) = 4.840KW (STC-DC)

INVERTER(S): 1X SOLAR EDGE SE5700H-US HOME HUB (240V) = 5.700 KW (AC)

(A) MODULE STRINGING

MODULES

REF.	QTY.	MAKE AND MODEL	PMAX	PTC	ISC	IMP	VOC	VMP	TEMP. COEFF. OF VOC	FUSE RATING
PM1-11	11	HYUNDAI HIN-T440NF(BK)	440W	418W	14.39A	13.63A	38.8V	32.3V	-0.097V/°C (-0.25%/°C)	30A

POWER OPTIMIZERS

REF.	QTY.	MODEL	RATED INPUT POWER	MAX OUTPUT CURRENT	MAX INPUT ISC	MAX DC VOLTAGE	WEIGHTED EFFICIENCY
PO1-11	11	SOLAR EDGE S440	440W	15A	14.5A	60V	98.6%

INVERTERS

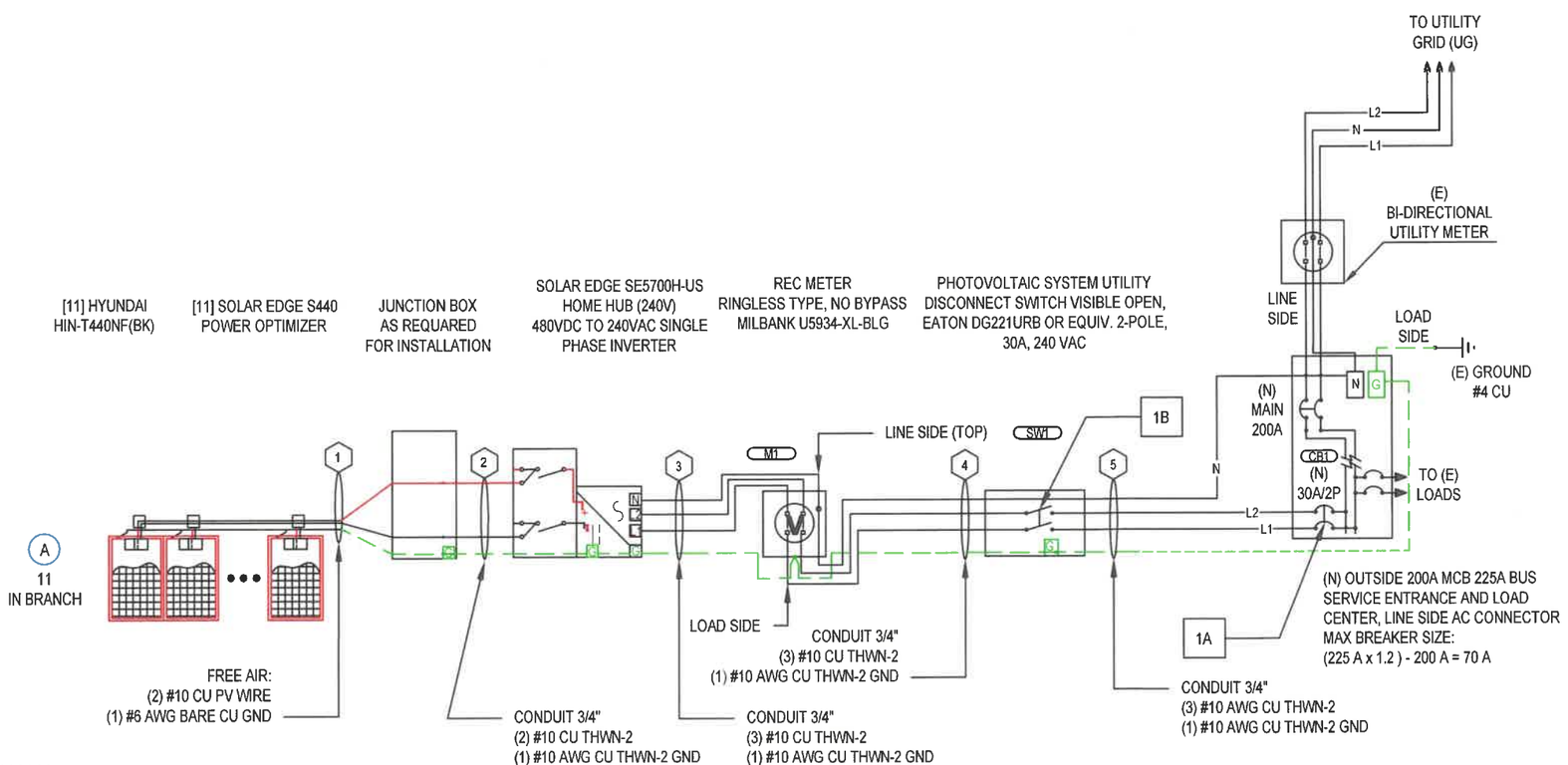
REF.	QTY.	MAKE AND MODEL	AC VOLTAGE	GROUND	OCPD RATING	RATED POWER	MAX OUTPUT CURRENT	MAX INPUT CURRENT	MAX INPUT VOLTAGE	CEC WEIGHTED EFFICIENCY
I1	1	SOLAR EDGE SE5700H-US HOME HUB (240V)	240V	FLOATING	30A	5700W	24A	16A	480V	99.0%

REF.	QTY.	MAKE AND MODEL	RATED CURRENT	MAX RATED VOLTAGE
SW1	1	EATON DG221URB OR EQUIV.	30A	240VAC

OCPDS

REF.	QTY.	RATED CURRENT	MAX VOLTAGE
CB1	1	30A	240VAC

ASHRAE EXTREME LOW	-16.1°C (3.0°F), SOURCE: WHITE SANDS (32.38°; -106.48°)
ASHRAE 2% HIGH	37.9°C (100.2°F), SOURCE: WHITE SANDS (32.38°; -106.48°)



PROVIDE PERMANENT PLAQUE AT MAINS:

1A SERVICE MAIN" "DISCONNECT" "1 OF 1"

1B SERVICE MAIN" "DISCONNECT" "2 OF 2"

NOTE:
ALL EQUIPMENT LUGS TO BE RATED MINIMUM 75° C.

NOTE:
ESTIMATED YEAR PRODUCTION IS 8,635 kWh

NOTE:
RISER DIAGRAM PREPARED TO INDICATE SERVICE GEAR PREPARATION FOR PHOTOVOLTAIC SYSTEM CONNECTIONS. ALL BUILDING BRANCH CIRCUITRY IS EXISTING TO REMAIN. NO ADDED LOAD TO SERVICE THIS PERMIT.

NOTE:
SERVICE ENTRANCE WILL BE REQUIRED TO BE DE-ENERGIZED DURING NEW METER INCTALLATION.COORDINATE SERVICE OUTAGE WITH INSPECTOR, UTILITY COMPANY, AND OWNER. ALL POWER OUTAGE REQUESTS TO BE SUBMITTED IN WRITING TO OWNER (7) DAYS PRIOR TO OUTAGE REQUEST.TIME PERIODS SHALL BEE LIMITED TO OWNER'S CONVENIENCE AND UTILITY CO. AVAILABILITY.

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807

HIC. NO.:

ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

LINE DIAGRAM

DATE: 11.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

E-601.00

(SHEET 7)

032032

LABELING NOTES
1.1 LABELING REQUIREMENTS BASED ON THE 2020 NATIONAL ELECTRICAL CODE, INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, ANSI Z535
1.2 MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
1.3 LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
1.4 LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.
1.5 ALERTING WORDS TO BE COLOR CODED. "DANGER" WILL HAVE RED BACKGROUND; "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND. [ANSI Z535]
1.6 ALL SIGNAGE MUST BE PERMANENTLY ATTACHED AND BE WEATHER RESISTANT/SUNLIGHT RESISTANT AND CANNOT BE HAND-WRITTEN PER NEC 110.21(B)

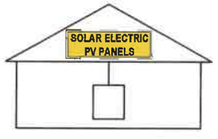
WARNING
ELECTRICAL SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL 1
AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT (2" X 4").
[NEC 690.13].

WARNING
POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL 2
AT POINT OF INTERCONNECTION OVERCURRENT DEVICE (2" X 4").
[NEC 705.12(B)(2)(3)(B)].

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN



TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY

LABEL 3
AT RAPID SHUTDOWN SYSTEM (3 3/4" X 5 1/4"). [NEC 690.56(C)(1)(A)].

PHOTOVOLTAIC POWER SOURCE

LABEL 4
AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10 FT SECTION OR WHERE SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS (5 3/4" X 1 1/8").
[NEC 690.31(G)]
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE
[IFC 605.11.1.1]

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL 5
AT RAPID SHUTDOWN DISCONNECT SWITCH (5 1/4" X 2").
[NEC 690.56(C)(3)].

CAUTION
SOLAR ELECTRIC SYSTEM CONNECTED

LABEL 6
AT UTILITY METER (5 3/4" X 1 1/8")
[NEC 690.56(B)]

WARNING
DUAL POWER SUPPLY
SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL 7
AT POINT OF INTERCONNECTION (2 3/4" X 1 5/8").
[NEC 705.12(B)(3)]

WARNING
SOLAR ELECTRIC CIRCUIT BREAKER IS BACKFED

LABEL 8
AT POINT OF INTERCONNECTION (2" X 1").
[NEC 705.12(B)(3)]

INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED
PHOTOVOLTAIC SYSTEM DISCONNECT LOCATED SE SIDE OF THE HOUSE

DIRECTORY
PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS IF NOT IN THE SAME LOCATION (5 3/4" X 1 1/8").
[NEC 690.56(B)]

WHERE THE PV SYSTEMS ARE REMOTELY LOCATED FROM EACH OTHER, A DIRECTORY IN ACCORDANCE WITH 705.10 SHALL BE PROVIDED AT EACH PV SYSTEM DISCONNECTING MEANS.
PV SYSTEM EQUIPMENT AND DISCONNECTING MEANS SHALL NOT BE INSTALLED IN BATHROOMS
[NEC 690.4(D),(E)]

PHOTOVOLTAIC SOLAR AC DISCONNECT

LABEL 9
AT EACH AC DISCONNECTING MEANS (4" X 1").
[NEC 690.13(B)].

PHOTOVOLTAIC SOLAR DC DISCONNECT

LABEL 10
AT EACH DC DISCONNECTING MEANS (4" X 1").
[NEC 690.13(B)].

MAXIMUM VOLTAGE	480 VDC
MAXIMUM CIRCUIT CURRENT	12.74 AMPS
MAX. RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED)	15 AMPS

LABEL 12
AT EACH DC DISCONNECTING MEANS (3" X 4").
[NEC 690.53].

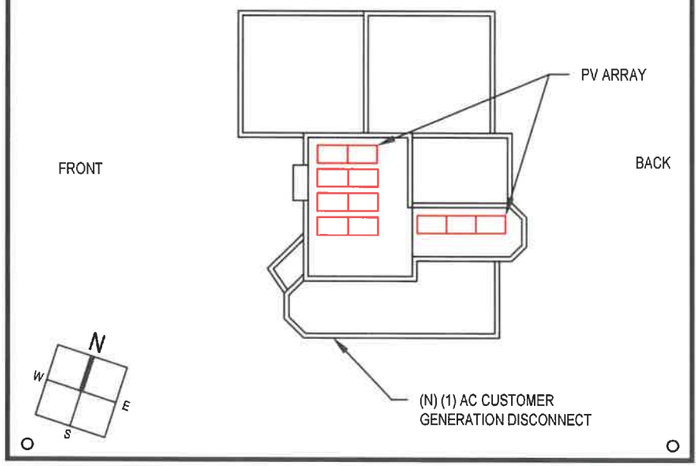
AC DISCONNECT
PHOTOVOLTAIC SYSTEM POWER SOURCE

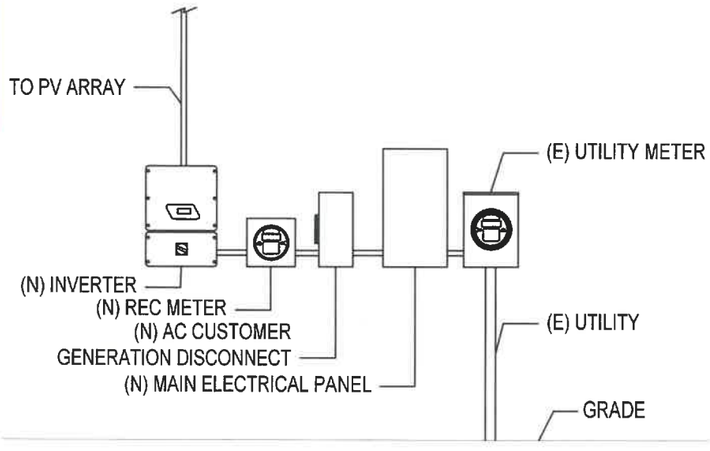
RATED AC OUTPUT CURRENT	24	AMPS
NOMINAL OPERATING AC VOLTAGE	240	VOLTS

LABEL 11
AT POINT OF INTERCONNECTION, MARKED AT DISCONNECTING MEANS (4" X 2").
[NEC 690.54]

!CAUTION!

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM ROOF MOUNTED SOLAR ARRAYS WITH SAFETY DISCONNECTS AS SHOWN:





01 EQUIPMENT ELEVATION
NOT TO SCALE

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CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571
ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

PLACARDS

DATE: 10.08.2025
DESIGN BY: T. R.
CHECKED BY: M.M.

REVISIONS

E-602.00
(SHEET 8)

033033

HD HYUNDAI ENERGY SOLUTIONS

eng.hd-hyundaies.co.kr

HD HYUNDAI SOLAR MODULE

NF(BK) Series

Premium N-Type TOPCon Module

HiN-T430NF(BK) I HiN-T435NF(BK) I HiN-T440NF(BK)

22.53% High Efficiency

High-End TOPCon Technology

Higher Bifaciality

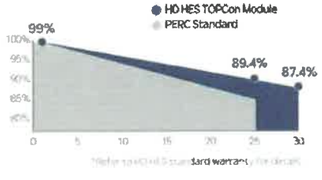
Long-Term Reliability

Compatible with Carport Applications

For Residential (Full Black Design)

HD Hyundai's Warranty Provisions

- 25 YEARS · 25-Year Product Warranty
  - Materials and workmanship
- 30 YEARS · 30-Year Performance Warranty
  - First year degradation: 1%
  - Linear warranty after initial year: with 0.4%p annual degradation, 87.4% is guaranteed up to 30years



*Refer to HD HES standard warranty for details

Certification

ISO 9001 : Quality management system
ISO 14001 : Environmental management system
ISO 45001 : Occupational health and safety management system
UL 61730 : Photovoltaic (PV) module safety qualification (USA)
IEC 61701 : Salt mist corrosion testing
IEC 62716 : Ammonia corrosion testing
IEC 62804 : Potential-induced degradation (PID) testing
IEC 61215-2 : Mechanical load testing for environmental durability

Electrical Characteristics

HiN-TxxxNF(BK)		HiN-T430NF(BK)		HiN-T435NF(BK)		HiN-T440NF(BK)	
Item	Unit		BNPI		BNPI		BNPI
Nominal output (Pmax)	W	430	476	435	482	440	488
Open circuit voltage (Voc)	V	38.4	38.4	38.6	38.6	38.8	38.8
Short circuit current (Isc)	A	14.25	15.79	14.32	15.87	14.39	15.94
Voltage at Pmax (Vmpp)	V	31.9	31.9	32.1	32.1	32.3	32.3
Current at Pmax (Impp)	A	13.48	14.94	13.56	15.01	13.63	15.10
Module efficiency	%	22.02	24.40	22.28	24.68	22.53	25.00
Power Class Sorting	W	0 ~ +5					
Temperature coefficient of Pmax	%/K	-0.30					
Temperature coefficient of Voc	%/K	-0.25					
Temperature coefficient of Isc	%/K	0.046					
Bifaciality	%	80%±10%					

*STC : Irradiance 1,000 W/m², cell temperature 25℃, AM=1.5 / Test uncertainty for Pmax ±3%, Voc ±3%, Isc ±3%
**The electrical properties of BNPI are measured under the irradiance corresponding to 1000 W/m² on the module front and 135 W/m² on the module rear

Additional Power Gain from rear side					
Pmpp gain	Pmpp[W]	Vmpp[V]	Impp[A]	Voc[V]	Isc[A]
5%	458	32.30	14.18	38.80	**14.97**
15%	493	32.30	15.27	38.80	**16.12**
25%	528	32.40	16.36	38.90	**17.27**

*Electrical characteristics with different rear power gain (reference to 440W)

Mechanical Characteristics

Dimensions	1,722mm (L) x 1,134mm (W) x 30mm (H) (67.8in x 44.6in x 1.2in)
Weight	24.5 kg (50.01lbs)
Solar Cells	N-Type TOPCon, 108 (6x18) monocrystalline 16BB half-cut bifacial cells
Output Cables	Cable : (+)1,200mm(47.2in), (-)1,200mm(47.2in) / Customized length available Connector : Staubli MC4 genuine Connector / Compatible, IP68
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm(0.08in) semi-tempered solar glass with high transmittance and anti-reflective coating Rear : 2.0mm(0.08in) semi-tempered solar glass
Frame	Anodized aluminum alloy

Shipping Configurations

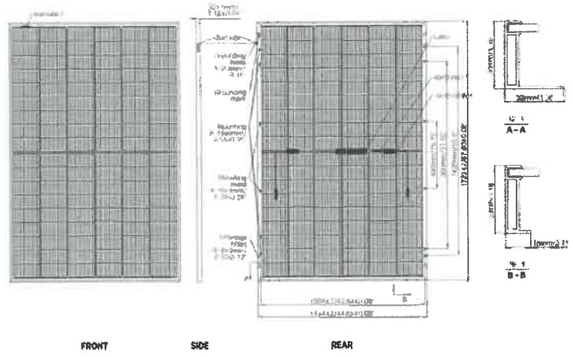
Packing Direction	Vertical	Packing pallet weight (kg)	912
Container Size (HC)	40'	Modules Per Pallet (pcs)	36
Pallets Per Container	26	Modules Per Container (pcs)	936

Installation Safety Guide

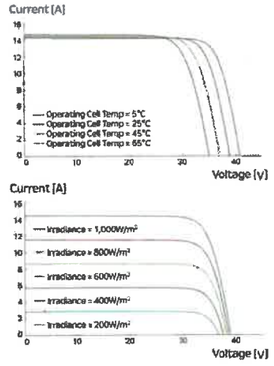
- Only qualified personnel should install or perform maintenance
- Be aware of dangerous high DC voltage
- Do not handle or install modules when they are wet

Nominal Module Operation Temperature	44℃ ± 2℃
Operating Temperature	-40℃~+85℃
Maximum System Voltage	DC 1,500 V
Maximum Reverse Current	30A
Maximum Test Load	Front 5,400Pa *Rear 5,400Pa
Fire Performance	Type 29

Module Diagram (unit : mm)



I-V Curves (HiN-T440NF(BK))



Sales & Marketing
hes.sales@hd.com

HD HYUNDAI ENERGY SOLUTIONS

034034

SOLAR WORKS

Happy for The People

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

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RESOURCE DOCUMENT

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

R-001.00

(SHEET 9)

SolarEdge Home Hub Inverter

For North America

SE3800H-US / SE5700H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US[1]

HOME BACKUP

Optimized battery storage with HD-Wave technology

- Record-breaking 99% weighted efficiency with 200% DC oversizing
- Small, lightweight, and easy to install
- Modular design, future ready with optional upgrades to:
  - DC-coupled storage for full or partial home backup
  - Built-in consumption monitoring
  - Direct connection to the SolarEdge Home EV Charger
- Multi-inverter, scalable storage solution, with enhanced battery power up to 10kW
- Integrated arc fault protection and rapid shutdown for NEC 2014 – 2023, per article 690.11 and 690.12
- Embedded revenue grade production data, ANSI C12.20 Class 0.5

solaredge.com

solaredge

SolarEdge Home Hub Inverter

For North America

SE3800H-US / SE5700H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US[1]

Applicable to inverters with part number	SExxxxH-USxMNBBXXX / SExxxxH-USSNBBXXX						
	SE3800H-US	SE5700H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	Units
OUTPUT – AC ON GRID							
Rated AC Power	3800 @ 240V 3300 @ 208V	5760 @ 240V 5000 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11,400 @ 240V 10,000 @ 208V	W
Maximum AC Power Output	3800 @ 240V 3300 @ 208V	5760 @ 240V 5000 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11,400 @ 240V 10,000 @ 208	W
AC Output Voltage (Nominal)	208 / 240						Vac
AC Output Voltage (Range)	183 – 264						Vac
AC Frequency Range (min - nom - max)	59.3 – 60 – 60.5[2]						Hz
Maximum Continuous Output Current @ 240V	16	24	25	32	42	47.5	A
Maximum Continuous Output Current @ 208V	16	24	24	-	-	48	A
GFDI Threshold	1						A
Total Harmonic Distortion (THD)	< 3						%
Power Factor	1, adjustable -0.85 to 0.85						
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
Charge Battery from AC (if allowed)	Yes						
Typical Nighttime Power Consumption	< 2.5						W
OUTPUT – AC BACKUP[3]							
Rated AC Power in Backup Operation	7600	5760	6000	7600 11,400*	10000 11,400*	11,400	W
AC L-L Output Voltage Range in Backup	211 – 264						Vac
AC L-N Output Voltage Range in Backup	105 – 132						Vac
AC Frequency Range in Backup (min - nom - max)	59 – 60 – 65						Hz
Maximum Continuous Output Current in Backup Operation	32	24	25	32 47.5	42 47.5	47.5	A
GFDI	1						A
THD	< 5						%
OUTPUT – SOLAREDGE HOME EV CHARGER AC							
Rated AC Power	9600						W
AC Output Voltage Range	211 – 264						Vac
On-Grid AC Frequency Range (min - nom - max)	59.3 – 60 – 60.5						Hz
Maximum Continuous Output Current @240V (grid, PV and battery)	40						Aac
INPUT – DC (PV AND BATTERY)							
Transformer-less, Ungrounded	Yes						
Max Input Voltage	480						Vdc
Nom DC Input Voltage	380						Vdc
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	600kΩ Sensitivity						
INPUT – DC (PV)							
Maximum DC Power @ 240V	7600	11,520	12,000	15,200	20,000	22,800	W
Maximum DC Power @ 208V	6600	10,000	10,000	-	-	20,000	W
Maximum Input Current[4] @ 240V	20	16	16.5	20 30	30	30	Adc
Maximum Input Current[4] @ 208V	9	13.5	13.5	-	-	27	Adc
Max. Input Short Circuit Current	45						
Maximum Inverter Efficiency	99.2						%
CEC Weighted Efficiency	99					99 @ 240V 98.5 @ 208V	%
2-pole Disconnection	Yes						

* Supported with PN SExxxxH-USxMNxxxxx

(1) These specifications apply to inverters with part numbers SExxxxH-USxMNxxxx or SExxxxH-USSNxxxx and connection unit model number DCD-1PH-US-Part-F-x

(2) For other regional settings please contact SolarEdge support

(3) Not designed for standalone applications and requires AC for commissioning. Backup functionality is only supported for 240V grid

(4) A higher current source may be used; the inverter will limit its input current to the values stated

CE

SOLAR WORKS
Power For The People

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088

RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

R-002.00

(SHEET 10)

Residential Power Optimizer

For North America

S440 / S500B / S650B

POWER OPTIMIZER

PV power optimization at the module level

- Specifically designed to work with SolarEdge residential inverters
- Detects abnormal PV connector behavior, preventing potential safety issues
- Module-level voltage shutdown for installer and firefighter safety
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch loss, from manufacturing tolerance to partial shading
- Faster installations with simplified cable management and easy assembly using a single bolt
- Flexible system design for maximum space utilization
- Compatible with bifacial PV modules
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)

solaredge.com

solaredge

/ Residential Power Optimizer

For North America

S440 / S500B / S650B

	S440	S500B	S650B	
INPUT				
Rated Input DC Power(1)	440	500	650	W
Absolute Maximum Input Voltage (Voc)	60	125	85	Vdc
MPPT Operating Range	8 – 60	12.5 – 105	12.5 – 85	Vdc
Maximum Short Circuit Current (Isc) of Connected PV Module	14.5	15		Adc
Maximum Efficiency	99.5			%
Weighted Efficiency	98.6			%
Overvoltage Category	II			
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREDGE INVERTER)				
Maximum Output Current	15			Adc
Maximum Output Voltage	60	80		Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREDGE INVERTER OR INVERTER OFF)				
Safety Output Voltage per Power Optimizer	1 ± 0.1			Vdc
STANDARD COMPLIANCE				
Photovoltaic Rapid Shutdown System	NEC 2014 – 2023			
EMC	FCC Part 15 Class B, IEC 61000-6-2, IEC 61000-6-3			
Safety	IEC 62109-1 (class II safety), UL 1741			
Material	UL 94 V-0, UV Resistant			
RoHS	Yes			
Fire Safety	VDE-AR-E 2100-712:2013-05			
INSTALLATION SPECIFICATIONS				
Maximum Allowed System Voltage	1000			Vdc
Dimensions (W x L x H)	129 x 155 x 30 / 5.07 x 6.10 x 1.18	129 x 165 x 45 / 5.07 x 6.49 x 1.77		mm / in
Weight	720 / 1.6	790 / 1.74		gr / lb
Input Connector	MC4(2)			
Input Wire Length	0.1 / 0.32			m / ft
Output Connector	MC4			
Output Wire Length	(+) 2.3, (-) 0.10 / (+) 7.54, (-) 0.32			m / ft
Operating Temperature Range(3)	-40 to +85			°C
Protection Rating	IP68 / NEMA6P			
Relative Humidity	0 – 100			%

(1) Rated power of the module at STC will not exceed the power optimizer Rated Input DC Power. Modules with up to +5% power tolerance are allowed

(2) For other connector types please contact SolarEdge

(3) Power de-rating is applied for ambient temperatures above +65°C / +185°F for S440, and for ambient temperatures above +75°C / 167°F for S500B. Refer to the Power Optimizers Temperature Derating Technical Note for more details.

PV System Design Using a SolarEdge Inverter(4)		SolarEdge Home Wave/Hub Single Phase	Three Phase for 208V Grid	Three Phase for 277/480V Grid	
Minimum String Length (Power Optimizers)	S440	8	10	18	
	S500B, S650B	6	8	14	
Maximum String Length (Power Optimizers)		25		50(5)	
Maximum Nominal Power per String		5700	6000	12,750	W
Maximum Allowed Connected Power per String(6)		6800(7)	One string: 7200 Two strings or more, 7800(8)	15,000(9)	W
Parallel Strings of Different Lengths or Orientations		Yes			

(4) It is not allowed to mix S-series and P-series Power Optimizers in new installations in the same string.

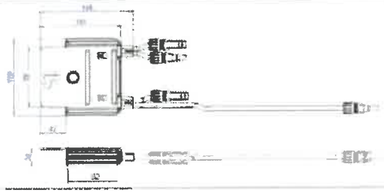
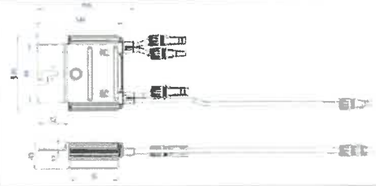
(5) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement

(6) If the inverter's rated AC power ≤ maximum nominal power per string, then the maximum connected power per string will be able to reach up to the inverters maximum input DC power. Refer to the String Design Guidelines Application Note for more details

(7) For inverters with a rated AC power ≥ 7600W that are connected to at least two strings

(8) For the 208V grid, the maximum is permitted only when the difference in connected power between strings is 1,000W or less

(9) For 277/480V grid, the maximum is permitted only when the difference in connected power between strings 2,000W or less.

S440 (Flat Bracket)	S500B, S650B (Bent Bracket)
	

RoHS

036036

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571

ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088

RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

DATE: 10.08.2025

DESIGN BY: T. R.

CHECKED BY: M.M.

REVISIONS

R-003.00

(SHEET 11)

EATON
Powering Business Worldwide

pe.eaton.com

General Duty Non-Fusible Safety Switch

DG221URB

UPC:782113120232

Dimensions:
- **Height:** 6.25 IN
- **Length:** 5.73 IN
- **Width:** 6.1 IN

Weight:5 LB

Notes:WARNING! Switch is not approved for service entrance unless a neutral kit is installed.

Warranties:
- Eaton Selling Policy 25-000, one (1) year from the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.

Specifications:
- **Type:** General Duty/Non-Fusible
- **Amperage Rating:** 30A
- **Enclosure:** NEMA 3R
- **Enclosure Material:** Painted galvanized steel
- **Fuse Configuration:** Non-fusible
- **Number Of Poles:** Two-pole
- **Number Of Wires:** Two-wire
- **Product Category:** General Duty Safety Switch
- **Voltage Rating:** 240V

Supporting documents:
- Eatons Volume 2-Commercial Distribution
- Eaton Specification Sheet - DG221URB

Certifications:
- UL Listed

Product compliance: No Data

MILBANK
ENERGY AT WORK

U5934-XL-BLG

Catalog Number	U5934-XL-BLG
Marketing Product Description	4 Terminal Ringless Small Closing Plate 7-8 In Barrel Lock Ground With Bracket Provision
UPC	784572592278
Length (IN)	3.61
Width (IN)	8
Height (IN)	11.5
Brand Name	Milbank
Type	Ringless Meter Socket
Application	Meter Socket
Standard	UL Listed;Type 3R
Voltage Rating	600 Volts Alternating Current
Amperage Rating	100 Continuous Ampere
Phase	1 Phase
Frequency Rating	60 Hertz
Size	3.61L x 8W x 11.5H
Number Of Cutouts	0
Cutout Size	No Main Breaker
Cable Entry	Overhead or Underground
Terminal	Single Mechanical
Insulation	Glass Polyester
Mounting	Surface Mount
Enclosure	G90 Galvanized Steel with Powder Coat Finish
Jaw Quantity	4 Terminal
Bypass Type	No Bypass
Number of Meter Positions	1 Position
Equipment Ground	Ground Bar
Hub Opening	Small Closing Plate
Line Side Wire Range	12 - 1/0 AWG
Load Side Wire Range	12 - 1/0 AWG
Number Of Receptacles	0

Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations. Milbank reserves the right to make changes in specifications and features shown without notice or obligation.

037037

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571
ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

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RESIDENCE
2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

DATE: 10.08.2025
DESIGN BY: T. R.
CHECKED BY: M.M.

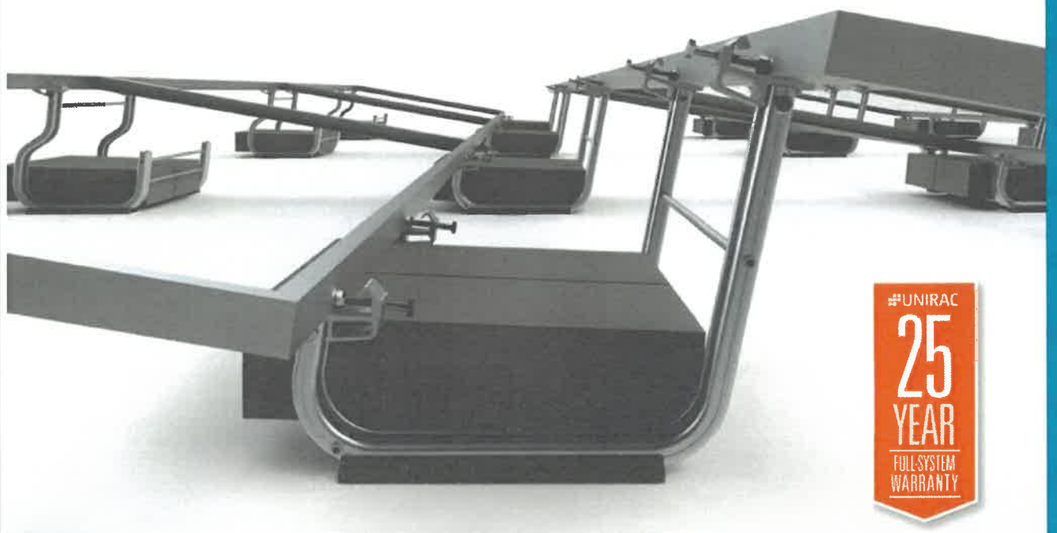
REVISIONS

R-004.00
(SHEET 12)

ROOFMOUNT | RM10 EVO

UNIRAC
BETTER SOLAR STARTS HERE

LAY IT DOWN AND POWER UP! Unirac has taken the tried-and-true form and functionality of RM10 and evolved it to maximize the potential of flat roof solar projects. We have paired simplicity with power by improving the function, strength and reliability of the module clamps and modified the shape of the north row bay to optimize space and increase module density by up to 20%. The system continues to consist of only three major components, minimizing installation time and reducing soft costs. Quickly design around roof obstacles and bond the system with just the turn of a wrench. As with our legacy systems, optional roof attachments, roof pads, and MLPE mounts provide a complete solution. Unirac's unmatched commercial project support makes construction easy, from permitting through installation, and as always, Unirac is supported by North Americas largest distribution network and industry leading 25-year warranty. AERODYNAMIC DESIGN. SIMPLICITY OF FORM.



LAY IT DOWN AND POWER UP!

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

ROOFMOUNT | RM10 EVO

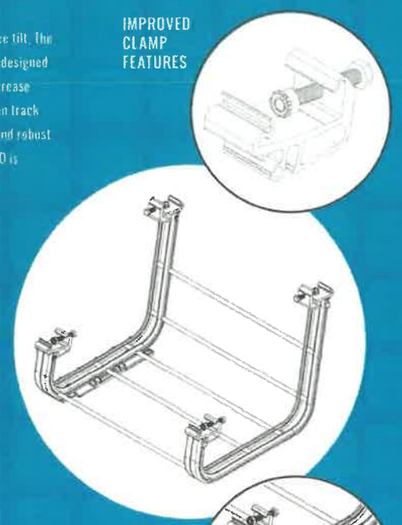
UNIRAC
BETTER SOLAR STARTS HERE

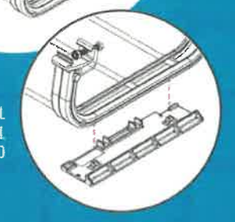
STREAMLINED DESIGN. EVOLVED SIMPLICITY. OPTIMIZED FOR POWER DENSITY.

THREE MAJOR COMPONENTS. ONE TOOL.

RM10 EVO supports most framed PV modules (conventional, bi-facial, and large format) at a 10-degree tilt. The component list consists of three SKUs - a fully assembled ballast bay, a tucked north row bay and a redesigned universal module clamp. Together this system enables improved 13" row spacing and up to a 20% increase in the number of modules installed on the roof. Our legacy RM10 system has over a decade long proven track record, and we have retained all the features that will make RM10 EVO as reliable, simple to install, and robust. UL2703 certified grounding path from module to ballast bay, with just the turn of a wrench. RM10 EVO is designed to conveniently work with off the shelf wire management products.

IMPROVED CLAMP FEATURES





OPTIONAL UNIVERSAL ROOF PAD

AVAILABILITY
NATIONWIDE NETWORK

UNIRAC maintains the largest network of stocking distributors for our racking solutions. Our partners have distinguished their level of customer support, availability, and overall value, thereby providing the highest level of service to users of UNIRAC products. Count on our partners for fast and accurate delivery to meet your project needs. Visit unirac.com for a list of distributors.

AUTOMATED DESIGN TOOL
DESIGN PLATFORM AT YOUR SERVICE

Creating a bill of materials is just a few clicks away with U-Builder, a powerful online tool that streamlines the process of designing a code compliant solar mounting system. Save time by creating a user profile, and recall preferences and projects automatically when you log in. You will enjoy the ability to share projects with customers; there's no need to print results and send to a distributor, just click, and share.

LISTED **UL2703** BONDING & GROUNDING
MECHANICAL LOADING
SYSTEM FIRE CLASSIFICATION

UNIRAC CUSTOMER SERVICE MEANS THE HIGHEST LEVEL OF PRODUCT SUPPORT

UNMATCHED EXPERIENCE | CERTIFIED QUALITY | ENGINEERING EXCELLENCE | BANKABLE WARRANTY | DESIGN TOOLS | PERMIT DOCUMENTATION

TECHNICAL SUPPORT

UNIRAC's technical support team is dedicated to answering questions & addressing issues in real time. An online library of documents including engineering reports, stamped letters and technical data sheets greatly simplifies your permitting and project planning process.

CERTIFIED QUALITY PROVIDER

UNIRAC is the only PV mounting vendor with ISO certifications for 9001:2015, 14001:2015 and OHSAS 18001:2007, which means we deliver the highest standards for fit, form, and function. These certifications demonstrate our excellence and commitment to first class business practices.

BANKABLE WARRANTY

Don't leave your project to chance, UNIRAC has the financial strength to back our products and reduce your risk. Have peace of mind knowing you are receiving products of exceptional quality. ROOFMOUNT is covered by a twenty five (25) year limited product warranty.

PROTECT YOUR REPUTATION WITH QUALITY RACKING SOLUTIONS BACKED BY ENGINEERING EXCELLENCE AND A SUPERIOR SUPPLY CHAIN

038038

SOLAR WORKS

CONTRACTOR

SOLAR WORKS ENERGY

PHONE: (505)-348-5571
ADDRESS: 121 TIJERAS AVE NE SUITE 3000, ALBUQUERQUE, NM 87102

LIC. NO.: 395807
HIC. NO.:
ELE. NO.:

NEW PV SYSTEM: 4.840 kWp

SHUSTER #32088 RESIDENCE

2825 BOLDT ST,
LAS CRUCES, NM 88005
APN: 4-006-137-442-477

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

DATE: 10.08.2025
DESIGN BY: T. R.
CHECKED BY: M.M.

REVISIONS

R-005.00
(SHEET 13)

UNIRAC
BETTER SOLAR STARTS HERE

U-Builder® PROJECT REPORT

APPLICATION VERSION: 6.7.2
PROJECT VERSION: 0.0.67

PROJECT TITLE
ROOFMOUNT RM10 EVO

PROJECT ID
C44A3372

LAST UPDATED
Aug. 9, 2025

ORIGINALLY CREATED
Aug. 9, 2025

NAME	32088 Brad Shuster
ADDRESS	2825 Boldt St
CITY, STATE	Las Cruces, NM
MODULE	Hyundai HiN-T440NF(BK)-V1

Designed by Chilkert
RM10 EVO
Hyundai
11 - HiN-T440NF(BK)-V1
329 ft^2
4.84 KW

NOTE: Designing on a "blank page" in the U-Builder® design tool may not provide accurate wind engineering results because the roof outline is not provided. It is the user's responsibility to verify building dimensions, site criteria, array distance from roof edges. When designing a construction-ready project, it is always recommended to "Design On Map".

NOTE: Installation of the project is intended to happen within the year of project designed in U-Builder®. If it's past one year please rerun the design or contact Unirac Engineering Services.

BILL OF MATERIALS

LEGEND: Base System Part Accessory

PART NUMBER	PART TYPE	DESCRIPTION	QUANTITY	SUGGESTED QUANTITY	UNIT PRICE (USD)	TOTAL LIST PRICE (USD)
User Supplied	Ballast Block	BALLAST BLOCK	66	66	0.00	0.00
370010	Ballast Bay	RM10 EVO FIELD BAY US-manufactured part available. For guaranteed domestic content, add -US to the end of the part number.	16	16	61.14	978.24
370011	Ballast Bay	RM10 EVO NORTH ROW BAY	7	7	61.14	427.98
370023	Clamp	EVO MOD CLAMP BULK	64	64	4.19	268.16
370022	RM Hex Bolt	EVO MOD CLAMP SIDE BOLT BULK	64	64	1.13	72.32

039039

310760	RM Roof Pad	RM ROOF PAD US-manufactured part available. For guaranteed domestic content, add -US to the end of the part number.	46	46	2.54	116.84
008115M	Wire Management	MLPE Tiger Clip	11	11	7.07	77.77

BASE SYSTEM PRICE	$1746.7	ACCESSORIES PRICE	$194.61	TOTAL PRICE	$1941.31
	$0.361 PER WATT		$0.040 PER WATT		$0.401 PER WATT

This design is to be evaluated to the product appropriate Unirac Code Compliant Installation Manual which references International Building Code 2009, 2012, 2015, 2018, 2021 and ASCE 7-05, ASCE 7-10, ASCE 7-16, ASCE-722 and California Building Code 2010, 2016. The installation of products related to this design is subject to requirements in the above mentioned installation manual.

DETAILED PARTS DESCRIPTION

		QTY
	Ballast Block UserSupplied BALLAST BLOCK 2" SCHEDULE 40 GALVANIZED PIPE SERVES AS THE STRUCTURE TO MOUNT RACKING. SOURCE THIS PIPE LOCALLY.,Standard 4x8x16 inch cap blocks. Nationwide availability. Please confirm the weight of your ballast block as this will affect the total blocks required for your installation.,Standard 4x8x16 inch cap blocks. Nationwide availability. Please confirm the weight of your ballast block as this will affect the total blocks required for your installation.	66
	Ballast Bay 370010 RM10 EVO FIELD BAY	16
	Ballast Bay 370011 RM10 EVO NORTH ROW BAY	7
	Clamp 370023 EVO MOD CLAMP BULK	64
	RM Hex Bolt 370022 EVO MOD CLAMP SIDE BOLT BULK	64
	RM Roof Pad 310760 RM ROOF PAD	46
	Wire Management 008115M MLPE Tiger Clip MLPE Tiger Clip	11

ENGINEERING INPUTS

Plan Review

AVERAGE PSF	**8.26 psf**
TOTAL NUMBER OF MODULES	11
TOTAL KW	4.84 KW
TOTAL STRUCTURE AREA	~329 ft^2
TOTAL WEIGHT ON ROOF	2718 lbs
RACKING WEIGHT	56 lbs
MODULE WEIGHT	550 lbs
BALLAST WEIGHT	2112 lbs
MAX BAY LOAD (DEAD)	180 lbs
TOTAL BALLAST BLOCK COUNT	66

Loads Used for Design

BUILDING CODE	ASCE 7-16
WIND SPEED	105.00 mph
GROUND SNOW LOAD	9.00 psf
SEISMIC, S_s	1.200
ELEVATION	3895 ft
WIND EXPOSURE	B
RISK CATEGORY	II
VELOCITY PRESSURE, Q_z	10.36 psf

Inspection

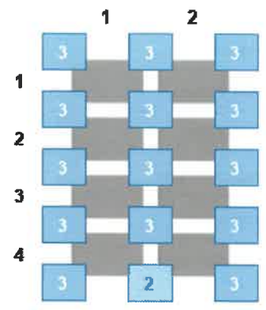
PRODUCT	RM10 EVO
MODULE MANUFACTURER	Hyundai
MODEL	HiN-T440NF(BK)-V1
MODULE WATTS	440 watts
MODULE LENGTH	67.8"
MODULE WIDTH	44.6"
MODULE THICKNESS	1.2"
MODULE WEIGHT	50.0 lbs
ADD CENTRAL SUPPORT	No
SETBACK DISTANCE	4.0 ft
HALF BLOCK ALLOWED	No
BALLAST BLOCK (CMU) WEIGHT	32.0 lbs
MAX BLOCKS PER NORTH BAY	4
MAX BLOCKS PER NON NORTH BAY	3
BUILDING HEIGHT	15.0 ft
ROOF TYPE	OTHER
LONGEST BUILDING LENGTH	60.0 ft
SHORTEST BUILDING LENGTH	38.0 ft
PARAPET HEIGHT	7.0"

042042

NOTE: Designing on a "blank page" in the U-Builder® design tool may not provide accurate wind engineering results because the roof outline is not provided. It is the user's responsibility to verify building dimensions, site criteria, array distance from roof edges. When designing a construction-ready project, it is always recommended to "Design On Map".

INSTALLATION AND DESIGN PLAN

Roof Area 1 - Array 1



NOTE

Install roof pads to every bay.

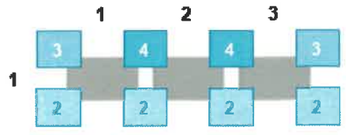
Layout Dimensions

NS DIMENSION	~ 21.10 ft
EW DIMENSION	~ 11.30 ft

ROW	MODULES	BAYS	BALLAST BLOCKS (CMU)	BALLAST WEIGHT (LBS)
1	2	3	9	288.0
2	2	3	9	288.0
3	2	3	9	288.0
4	2	3	9	288.0

5	0	3	8	256.0

Roof Area 1 - Array 2



NOTE

Install roof pads to every bay.

Layout Dimensions

NS DIMENSION	~ 6.74 ft
EW DIMENSION	~ 16.95 ft

ROW	MODULES	BAYS	BALLAST BLOCKS (CMU)	BALLAST WEIGHT (LBS)
1	3	4	14	448.0
2	0	4	8	256.0

NOTE: Designing on a "blank page" in the U-Builder® design tool may not provide accurate wind engineering results because the roof outline is not provided. It is the user's responsibility to verify building dimensions, site criteria, array distance from roof edges. When designing a construction-ready project, it is always recommended to "Design On Map".

ENGINEERING OUTPUTS

Roof Area 1 - Array 1

AVERAGE PSF	**8.06 psf**
TOTAL NUMBER OF MODULES	8
ROOF SLOPE	1 degrees
ROW SPACING	13.5"
TOTAL KW	3.52 KW
TOTAL AREA	229 ft^2
TOTAL WEIGHT ON ROOF	1845 lbs
RACKING WEIGHT	37 lbs
MODULE WEIGHT	400 lbs
BALLAST WEIGHT	1408 lbs
MID SUPPORT KIT WEIGHT	0 lbs

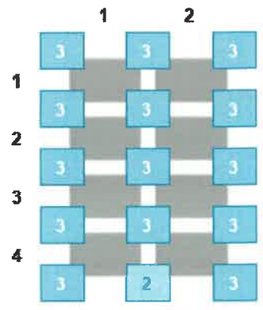
MINIMUM SEISMIC SEPARATION (UNATTACHED ARRAYS) *	
ARRAY TO ARRAY:	12.0"
TO FIXED OBJECT ON ROOF:	24.0"
TO ROOF EDGE WITH QUALIFYING PARAPET:	24.0"
TO ROOF EDGE WITHOUT QUALIFYING PARAPET:	48.0"
MAX ARRAY (SEISMIC) (FOR UNATTACHED ARRAYS) *	
MAX NUMBER OF NORTH-SOUTH ROWS:	8
MAX NUMBER OF EAST-WEST COLUMNS:	13

*See ASCE 7-16 Section 13.6.12 for more details

BOM

PART	QTY
RM10 EVO FIELD BAY	12
RM10 EVO NORTH ROW BAY	3
RM ROOF PAD	30
EVO MOD CLAMP SIDE BOLT BULK	48
EVO MOD CLAMP BULK	48
BALLAST BLOCK	44

Roof Area 1 - Array 1



LEGEND

Module

1 Standard corner bay with CMU block count

4 Supplemental bay with CMU block count

NOTE

Blocks above with values greater than 4 require extra ballast bays, except north-most bays which require extra bays for values greater than 6. The proper number of bays are provided in the Bill of Materials. The installer must install these extra bays as near to the indicated location as possible.

Install roof pads to every bay.

Roof Area 1 - Array 2

AVERAGE PSF	**8.72 psf**
TOTAL NUMBER OF MODULES	3
ROOF SLOPE	1 degrees
ROW SPACING	13.5"
TOTAL KW	1.32 KW
TOTAL AREA	100 ft^2
TOTAL WEIGHT ON ROOF	874 lbs
RACKING WEIGHT	20 lbs
MODULE WEIGHT	150 lbs
BALLAST WEIGHT	704 lbs
MID SUPPORT KIT WEIGHT	0 lbs

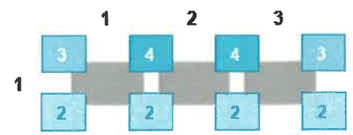
MINIMUM SEISMIC SEPARATION (UNATTACHED ARRAYS) *	
ARRAY TO ARRAY:	12.0"
TO FIXED OBJECT ON ROOF:	24.0"
TO ROOF EDGE WITH QUALIFYING PARAPET:	24.0"
TO ROOF EDGE WITHOUT QUALIFYING PARAPET:	48.0"
MAX ARRAY (SEISMIC) (FOR UNATTACHED ARRAYS) *	
MAX NUMBER OF NORTH-SOUTH ROWS:	8
MAX NUMBER OF EAST-WEST COLUMNS:	13

*See ASCE 7-16 Section 13.6.12 for more details

BOM

PART	QTY
RM10 EVO FIELD BAY	4
RM10 EVO NORTH ROW BAY	4
RM ROOF PAD	16
EVO MOD CLAMP SIDE BOLT BULK	16
EVO MOD CLAMP BULK	16
BALLAST BLOCK	22

Roof Area 1 - Array 2



LEGEND

	Module
1	Standard corner bay with CMU block count
4	Supplemental bay with CMU block count

NOTE

Blocks above with values greater than 4 require extra ballast bays, except north-most bays which require extra bays for values greater than 6. The proper number of bays are provided in the Bill of Materials. The installer must install these extra bays as near to the indicated location as possible.

Install roof pads to every bay.

ROOF PAD DETAILS

Minimum ratios by main roof types for application where friction coefficients must be met:

EPDM	1:1	Pads on each primary bay
TPO	1:4	Pads on 1 of every 4 primray bays
PVC	1:4	Pads on 1 of every 4 primary bays
Mineral cap	N/A	No pads required

NOTE

1. It is always an option to apply roof pads to all bays in an array even when not required
2. Roof pads are always applied 2 per bay (one on each ski to avoid unbalancing chasis).
3. When installing minimum roof pads for friction (at 1:4 ratio), apply 2 roof pads to every 4th primray bay staggering the offset between the rows:
    1. Alternativey, install 2 roof pads to every other bay in a row of bays, then skip a row, and do it again
    2. Skip any bays that have mechanical roof attachments(i.e., Anchor products, FlashLoc RM or OMG attachments).

WIND DESIGN DETAIL

Terrain Category	B	Section 26.7 (ASCE 7-16)
Basic Wind Speed	105.00 mph	
Elevation	3895.00 ft	
Risk Category	II	Table 1.5-1 (ASCE 7-16)
Mean Roof Height	15.0 ft	
Numerical Coefficient	0.002560	Section C26.10.2 (ASCE 7-16)
Topographic Factor, K_{zt}	1.00	Section 26.8.2 (ASCE 7-16)
Wind Directionality Factor, K_d	0.85	Table 26.6-1 (ASCE 7-16)
Ground Elevation Factor, K_e	0.868	Table 26.9-1 (ASCE 7-16)
Velocity Pressure Exposure Coefficient, K_z	0.57	Table 26.10-1 (ASCE 7-16)
Velocity Pressure at Height, Q_z	11.97 psf	Equation 26.10.1 (ASCE 7-16)

SEISMIC DESIGN PER ASCE 7-16

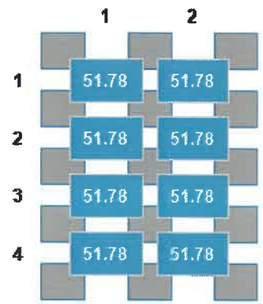
Site Classification	D_DEFAULT	Section 11.4.3 (ASCE 7-16)
S_s	1.200 g	Section 11.4.2 (ASCE 7-16)
S_1	0.000 g	Section 11.4.2 (ASCE 7-16)
Risk Category	II	
Coefficient of Friction, μ_0	0.4	UTR 229
Site Coefficient, F_a (Minimum 1.2)	1.200	Table 11.4-1 (ASCE 7-16)
Site Coefficient, F_v	2.400	Table 11.4-2 (ASCE 7-16)
S_{MS}	1.440 g	Section 11.4.4 (ASCE 7-16)
S_{DS}	0.960 g	Section 11.4.5 (ASCE 7-16)
Module Weight	50.01 lbs	
Racking and Ballast Weight to One Module	90.45 lbs	
Capacity of Connections to One Module (N/S)	227.00 lbs	UTR 332
Capacity of Connections to One Module (E/W)	377.00 lbs	UTR 332
W1 (Module, Racking, and Ballast Weight to One Module)	140.46 lbs	
0.2 S_{DS} W1	26.97 lbs	Section 13.6.12 (ASCE 7-16)
Maximum Number of Modules per Row (N-S)	8	
Maximum Number of Modules per Column (E-W)	13	
Building Importance Factor, I_e	1.00	Table 1.5-2 (ASCE 7-16)
Importance Factor of Array, I_p	1.00	Section 13.1.3 (ASCE 7-16)
Seismic Design Category	D	Section 11.6 (ASCE 7-16)
Seismic Design Displacement δ_{mpv} =[max($5I_e(S_{DS}$-0.4)^2 x 12, 24in)]	24.00"	Section 13.6.12 (ASCE 7-16)
Setback Between Arrays (0.5 x δ_{mpv})	12.00"	Section 13.6.12 (ASCE 7-16)
Setback Between Array and Objects (δ_{mpv})	24.00"	Section 13.6.12 (ASCE 7-16)
Setback Between Array and Roof Edge without Parapet (2 x δ_{mpv})	48.00"	Section 13.6.12 (ASCE 7-16)

SNOW DESIGN

Risk Category	II	Table 1.5-1 (ASCE 7-16)
Importance Factor, I_s	1.00	Table 1.5-2 (ASCE 7-16)
Exposure Category	B	Section 26.7 (ASCE 7-16)
Exposure Factor, C_e	1.00	Table 7.3-1 (ASCE 7-16)
Thermal Factor, C_t	1.00	Table 7.3-2 (ASCE 7-16)
Ground Snow, p_g	9.00 psf	
Tilt Angle	10°	
Minimum Snow Load, p_m		
$p_m = I_s\ p_g$, For $p_g \leq 20$ psf	9.00 psf	Section 7.3.4 (ASCE 7-16)
$p_m = 20\ I_s$, For $p_g > 20$ psf	20.00 psf	Section 7.3.4 (ASCE 7-16)
Flat Roof Snow Load, $p_f = \text{Max}(0.7\ C_e\ C_t\ I_s\ p_g, p_m)$	9.00 psf	Equation 7.3-1 (ASCE 7-16)
Slope Factor, C_s	1.0	Figure 7-2a (ASCE 7-16)*
Sloped Roof Snow Load, $p_s = C_s\ p_f$	9.00 psf	Equation 7.4-1 (ASCE 7-16)*

*Section C7.8 states "collectors should be designed to sustain a load calculated by using the "unobstructed slippery surfaces" curve in Figure 7.4-1." This indicates that Ct ≤ 1.0. Per Figure 7-2a for a roof slope of 10° with the unobstructed slippery surfaces graph, Cs = 1.0.

DEAD LOAD PER MODULE(D) - Roof Area 1 - Array 1



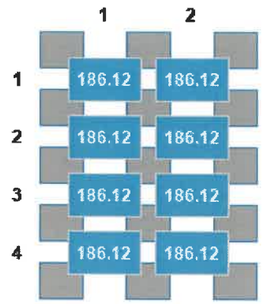
Units: lbs

X Dead Load = Module Wt. + Clamp & Bolt Wt.

LEGEND

Module

SNOW LOAD PER MODULE(S) - Roof Area 1 - Array 1



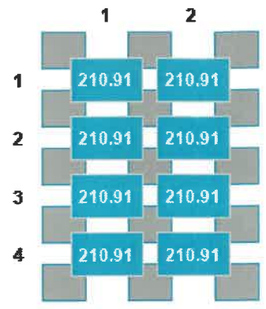
Units: lbs

x Total Snow Load per Module = Module Area * Flat Roof Snow Load

LEGEND

Module

WIND LOAD (UPWARD) PER MODULE - Roof Area 1 - Array 1



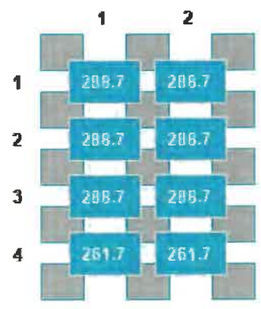
Units: lbs

X Total uplift = Qz * gcp * uplift area

LEGEND

Module

FINAL DOWNLOAD PER MODULE MAP (max(D + 0.75(0.6W) + 0.75S, D + 0.6W, D + S)) - Roof Area 1 - Array 1



Units: lbs

Downward Force = MAX(DL + SL, DL + 0.6WL, DL + 0.45WL + 0.75SL)

x

Where:

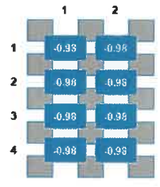
DL = Dead Load
SL = Snow Load
WL = Wind Load(Downward)

LEGEND

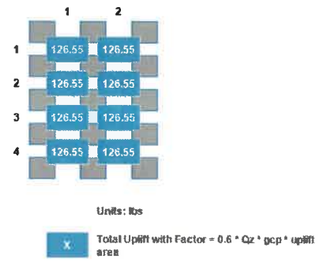
Module

UPLIFT CALCULATIONS

Modified Gcp factor per module (uplift) map - Roof Area 1 - Array 1



Factored total wind uplift map - Roof Area 1 - Array 1

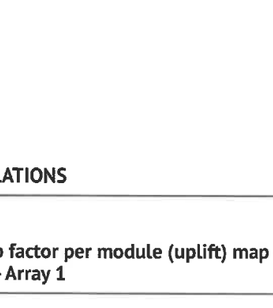


LEGEND

Module

DRAG CALCULATIONS

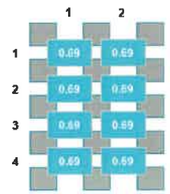
Drag Gcp factor per module - Roof Area 1 - Array 1



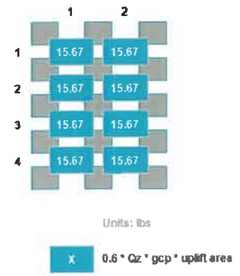
LEGEND

Module

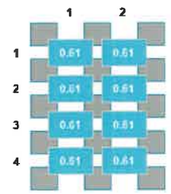
Modified Gcp factor per module (drag effect) - Roof Area 1 - Array 1



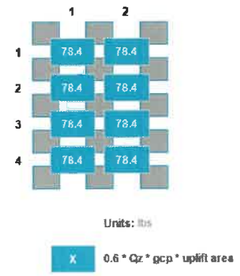
Drag load- Roof Area 1 - Array 1



Modified Gcp factor per module (uplift effect) - Roof Area 1 - Array 1

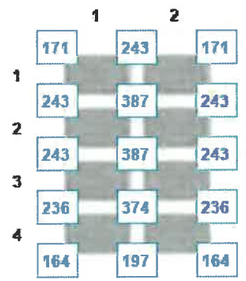


Uplift for drag load- Roof Area 1 - Array 1



TOTAL DOWNLOAD CALCULATIONS

Total downpoint load per bay - Roof Area 1 - Array 1



LEGEND

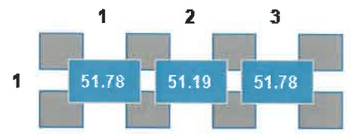
Module

x Bay - Downpoint load

NOTE

For exact values please check DXF file.

DEAD LOAD PER MODULE(D) - Roof Area 1 - Array 2



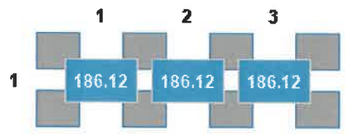
Units: lbs

X Dead Load = Module Wt. + Clamp & Bolt Wt.

LEGEND

Module

SNOW LOAD PER MODULE(S) - Roof Area 1 - Array 2



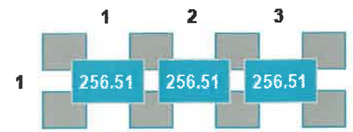
Units: lbs

x Total Snow Load per Module = Module Area * Flat Roof Snow Load

LEGEND

Module

WIND LOAD (UPWARD) PER MODULE - Roof Area 1 - Array 2



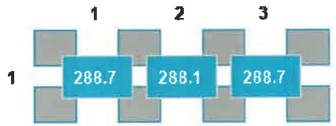
Units: lbs

X Total uplift = Qz * gcp * uplift area

LEGEND

Module

FINAL DOWNLOAD PER MODULE MAP (max(D + 0.75(0.6W) + 0.75S, D + 0.6W, D + S)) - Roof Area 1 - Array 2



Units: lbs

Downward Force = MAX(DL + SL, DL + 0.6WL, DL + 0.45WL + 0.75SL)

X Where:

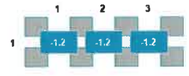
DL = Dead Load
SL = Snow Load
WL = Wind Load(Downward)

LEGEND

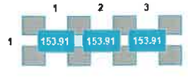
Module

UPLIFT CALCULATIONS

Modified Gcp factor per module (uplift) map - Roof Area 1 - Array 2



Factored total wind uplift map - Roof Area 1 - Array 2



Units: lbs

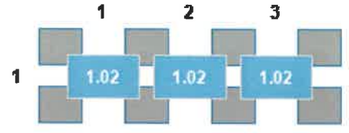
X Total Uplift with Factor = 0.6 * Qz * gcp * uplift area

LEGEND

Module

DRAG CALCULATIONS

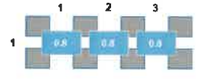
Drag Gcp factor per module - Roof Area 1 - Array 2



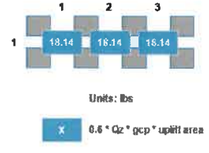
LEGEND

Module

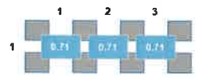
Modified Gcp factor per module (drag effect) - Roof Area 1 - Array 2



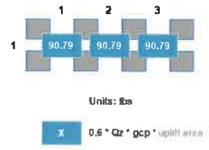
Drag load- Roof Area 1 - Array 2



Modified Gcp factor per module (uplift effect) - Roof Area 1 - Array 2



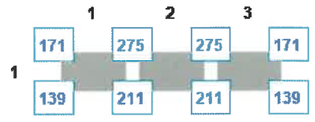
Uplift for drag load- Roof Area 1 - Array 2



059059

TOTAL DOWNLOAD CALCULATIONS

Total downpoint load per bay - Roof Area 1 - Array 2



Units: lbs

x Down Point Load = Down point load on module contribution+ bay weight with ballast

LEGEND

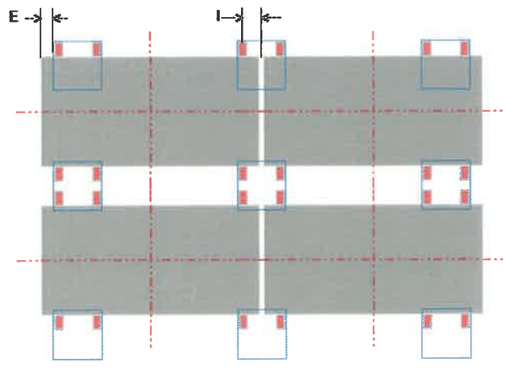
Module

x Bay - Downpoint load

NOTE

For exact values please check DXF file.

CLAMPS LOCATIONS AND MAX MODULE PRESSURES



NOTE :

1. Supplemental bays are placed symmetric to the module.
2. Edge cantilever distance to clamp(E) = 1.60" approx.
3. Edge of module to clamp center(I): 8.69".
4. supplemental bay add four clamps per module.
5. mid support will add two clamps per module for down force only.

LEGEND

Module

Primary bay

Supplemental bay

Clamp

FACTORED MAX UPWARD PRESSURE ON MODULE :	7.44 psf
FACTORED MAX DOWNWARD PRESSURE ON MODULE :	13.96 psf

NOTE

1. Terrapin testing report roof mount ballast support coefficient of friction testing RM 2.0 family (July 13, 2016) (Static,Kinetic,Wet and Dry testing performed)

RM10 EVO U-Builder® PRODUCT ASSUMPTIONS

RM10 EVO – Ballasted Flat Roof Systems

Limitations of Responsibility: It is the user's responsibility to ensure that inputs are correct for your specific project.
Unirac is not the solar, electrical, or building engineer of record and is not responsible for the solar, electrical, or building design for this project.

Building Assumptions

1. Minimum allowed setback distance is 1.00 ft
2. Building Height ≤ 150.00 ft
3. Building Height > 50.00 ft: only where (longest length of building x building height)^0.5 ≤ 100.00 ft
4. Roof Slope ≥ 0° (0:12) and ≤ 3° (5/8:12) for Seismic Design Category C, D, E and F. For low seismic regions Seismic Design Category A and B (provided Array Importance factor = 1.0), Roof Slope ≥ 0° (0:12) and ≤ 7° (1 1/2:12).
5. Roofing Material Types: EDPM, PVC, TPO, or Mineral Cap
6. Surrounding Building Grade: Level

Ballast Blocks

The installer is responsible for procuring the ballast blocks (Concrete Masonry Units – CMU) and verifying the required minimum weight needed for this design. CMU should comply with ASM standard specification for concrete roof pavers designation (C1491 or C90 with an integral water repellent suitable for the climate it is placed. It is recommended that the blocks are inspected periodically for any signs of degradation. If degradation of the block is observed, the block should immediately be replaced.
The CMU ballast block should have nominal dimensions of 4.00" x 8.00" x 16.00". The actual block dimensions are 0.37" less than the nominal dimensions. Ballast blocks should have a weight as specified for the project in the "Inspection" section of this report.

Design Parameters

1. Risk Category I to IV
2. Wind Design
    a. Basic Wind Speed:110.00 mph - 150.00 mph (ASCE 7-10)/90.00 mph - 180.00 mph (ASCE 7-16/ASCE 7-22)
    b. Exposure: B, C or D (ASCE 7-10/ASCE 7-16/ASCE 7-22)
    c. 25 year or 50 year Design Life for ASCE 7-10 /50 year Design Life for ASCE 7-16/ASCE 7-22

d. Elevation: Insertion of the project at - grade elevation can result in a reduction of wind pressure. If your project is in a special case study region or in an area where wind studies have been performed, please verify with your jurisdiction to ensure that elevation effects have not already been factored into the wind speed. If elevation effects have been included in your wind speed, please select 0.00 ft as the project site elevation.
e. Wind Tunnel Testing: Wind tunnel testing coefficients have been utilized for design of the system.

3. Snow Design
    a. Ground Snow Load: 0 - 100.00 psf (ASCE 7-10/ASCE 7-16/ASCE 7-22)
    b. Roof Snow Load: Calculation per Section 7.3 (ASCE 7-10/ASCE 7-16/ASCE 7-22)
    c. Unbalanced/Drifting/Sliding: Results are based on the uniform snow loading and do not consider unbalanced, drifting, and sliding conditions
4. Seismic Design
    a. Report *SEAOC PV1-2012/ASCE 7-16/ASCE 7-22 SECTION 13.6.12 – Structural Seismic Requirements and Commentary for Rooftop Solar Photovoltaic Arrays*

Properties

1. Bay Weight: 2.45 lbs
2. Module Gaps (E/W) = 0.25"
3. Module Gaps (N/S) = 13.50"

Testing

1. Coefficient of Friction
2. Wind Tunnel
3. UL 2703
4. Component Testing (Bay and Clamp)

Setbacks

For the wind tunnel recommendations in U-Builder® to apply, the following setbacks should be observed/followed for U-Builder® wind design:

1. Modules should be placed a minimum of 3.00 ft from the edge of the building in any direction.
2. If the array is located near an obstruction that is 3.50 ft wide and 3.50 ft high or larger, the nearest module of the array must be located a distance from the obstruction that is greater than or equal to the height of the obstruction. Exception: When using ASCE 7-16/ASCE 7-22 Building Code and using the obstruction feature in the module editor to accurately model the size and location of obstruction.
3. Installations within the setbacks listed above require site specific engineering.
4. The setbacks above are for wind and seismic. Fire access isles, mechanical equipment etc., may require larger setbacks than listed above.

Site Specific Engineering

Conditions listed below are beyond the current capabilities of U-Builder®. Site specific engineering is required.

1. Building assumptions and design parameters outside of U-Builder® assumptions
2. Wind tunnel testing reduction factors are not permitted by the Authority Having Jurisdiction (AHJ)
3. Seismic designs that fall outside SEAOC PV1-2012/ASCE 7-16/ASCE 7-22 SECTION 13.6.12 recommendations (>3% roof slope, or AHJ's that require shake table testing or non-linear site-specific response history analysis)
4. Signed and sealed site-specific calculations, layouts, and drawings
5. Building that is not enclosed and categorized as open structures, carport or others

Notes:

- Please contact Engineering.Services@unirac.com for more information.

062048 PERMIT PACKET

Final Audit Report 2025-09-11

Created:	2025-09-10
By:	Eddie Salazar (MESILLACED@MESILLANM.GOV)
Status:	Signed
Transaction ID:	CBJCHBCAABAAj0trPun-skJgZKCTQ_Y7PmsHMsUrNChH

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2025-09-10 - 9:21:51 PM GMT

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Signature Date: 2025-09-10 - 9:24:46 PM GMT - Time Source: server

Email viewed by Thomas Maese (thomas.maese@rld.nm.gov)
2025-09-10 - 10:16:02 PM GMT

Email viewed by Lorenzo Astorga (lorenzoa@mesillanm.gov)
2025-09-10 - 10:17:42 PM GMT

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Signature Date: 2025-09-10 - 10:18:52 PM GMT - Time Source: server

Document e-signed by Thomas Maese (thomas.maese@rld.nm.gov)
Signature Date: 2025-09-10 - 10:19:50 PM GMT - Time Source: server

Adobe Acrobat Sign

Email viewed by Greg Whited (gwhited@mesillanm.gov)
2025-09-11 - 5:29:47 PM GMT

Document e-signed by Greg Whited (gwhited@mesillanm.gov)
Signature Date: 2025-09-11 - 5:35:20 PM GMT - Time Source: server

Agreement completed.
2025-09-11 - 5:35:20 PM GMT

BOARD ACTION FORM AGENDA

PZHAC: September 15, 2025 **BOT: September 22, 2025**

DAC ACCOUNT #R0400531
BLDG CODE – MIC
EVALUATION COST- $2,500
FEE - $95

PZHAC CASE #062052 – 2488 Calle de Guadalupe, submitted by Irma Chavez, Historic Enterprises LLC. Requests approval to replace front yard gravel and replace with pavers. ZONE: Historical Commercial (HC).

BACKGROUND AND ANALYSIS:
Mrs. Chavez, owner of Madelyn's, is seeking approval to replace front yard gravel and replace it with pavers/brick. The pavers/bricks will be the same type and color the ones already laid in the front yard. The area is approximately 250 square ft. This area will be an outside-open patio for customers. DreamScape construction is a landscape company that has obtained a Mesilla business license and will be doing the work.

IMPACT:
- The PZHAC has jurisdiction to recommend approval of the applicant's request to the BOT.
- Being a recommendation commission to the BOT, it is requested from PZHAC to explain all denied cases and provide references to Mesilla code.
- The applicant has the authority to appeal the decision from PZHAC to BOT.

ALTERNATIVES:
The Planning, Zoning and Historical Appropriateness Commission (PZHAC) may:
l. Recommend approval of this case with findings stated above.
2. Recommend approval of this case with findings stated above and conditions.
3. Deny the application.

DEPARTMENT COMMENTS:
- No contractor licenses required to perform the work
- The outside patio is enclosed with perimeter wall as required by NM Regulations & Licensing Dept-Alcohol & Beverage Control (ABC)
- Permit is required by Mesilla Town Code (MTC) – 18.40.030 EXTERIOR APPEARANCE

An application for a permit for erection, construction, modification of, moving or destruction which would affect the exterior appearance of any structure, sign, or any other improvement affecting use or function must first be approved by the commission.

SUPPORTING INFORMATION:

- Application
- Proof of Ownership
- Pictures
- Site Plan

DETERMINATION NOTES
Approved 4-0, no conditions

ZP – 25 FORM

CASE # 062052

Review Fee $ 15
Permit Fee $ 80
Penalty Fee $ _____
Extension Fee $ _____
TOTAL FEE $ 95

TOWN OF MESILLA

2231 AVENIDA DE MESILLA
MESILLA, NM, 88046
PO BOX 10
575-524-3262
mesillaced@mesillanm.gov

2025 ZONING PERMIT APPLICATION

Name of property owner Irma Chavez-May/Historic Enterprises LLC	Worksite Address 2488 Calle De Guadalupe, Mesilla NM 88046		
ID/DL# 028895127	Mailing Address 4038 Chavez Rd. Las Cruces, NM 88007		
Phone 575-635-1113	Email Irma@IrmaChavezMay.co	Dona Ana County Account # R0401209	
Contractor Javier Gomez	Mailing Address 101 Dropseed Ln. Anthony, NM 88021	Phone 575-571-6617	License #
Description of Proposed work Installing brick pavers in the area outside of the existing patio. The area where the bricks will be installed is completely enclosed and currently has small rock, so just replacing the rock. See attached diagram.			
Evaluation Cost $ $2500.00	(electronically signed) Signature of Applicant	Date	

ALONG WITH this application, proof of property ownership and signed contractor/client contract agreement is required to include evaluation cost of project. Plans are to be no larger than 11"x 17" or submitted electronically.

1. ✓ Site Plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was LEGALLY subdivided through the Town of Mesilla or that the lot has been in existence prior to March 14, 1972.
2. X Foundation Plan, new construction in full size drawings
3. ✓ Floor Plan, showing rooms, their uses and with dimensions
4. X Cross section walls
5. X Roof Plan and floor framing plan
6. X Electrical Plans
7. X Plumbing Plans
8. X Elevations, details of architectural style and color scheme (checklist for Historic Zones)
9. X Drainage plans (commercial)

Application is not considered to be submitted until ALL required documentation is submitted and application fee(s) are paid. Aside from administrative approvals, application process must undergo review by staff, PZHAC and/or BOT before permit is issued. All required NM CID permits must first obtain a zoning permit if work is to be performed in Mesilla. ***ALL permits must be displayed in clear view until final inspection***

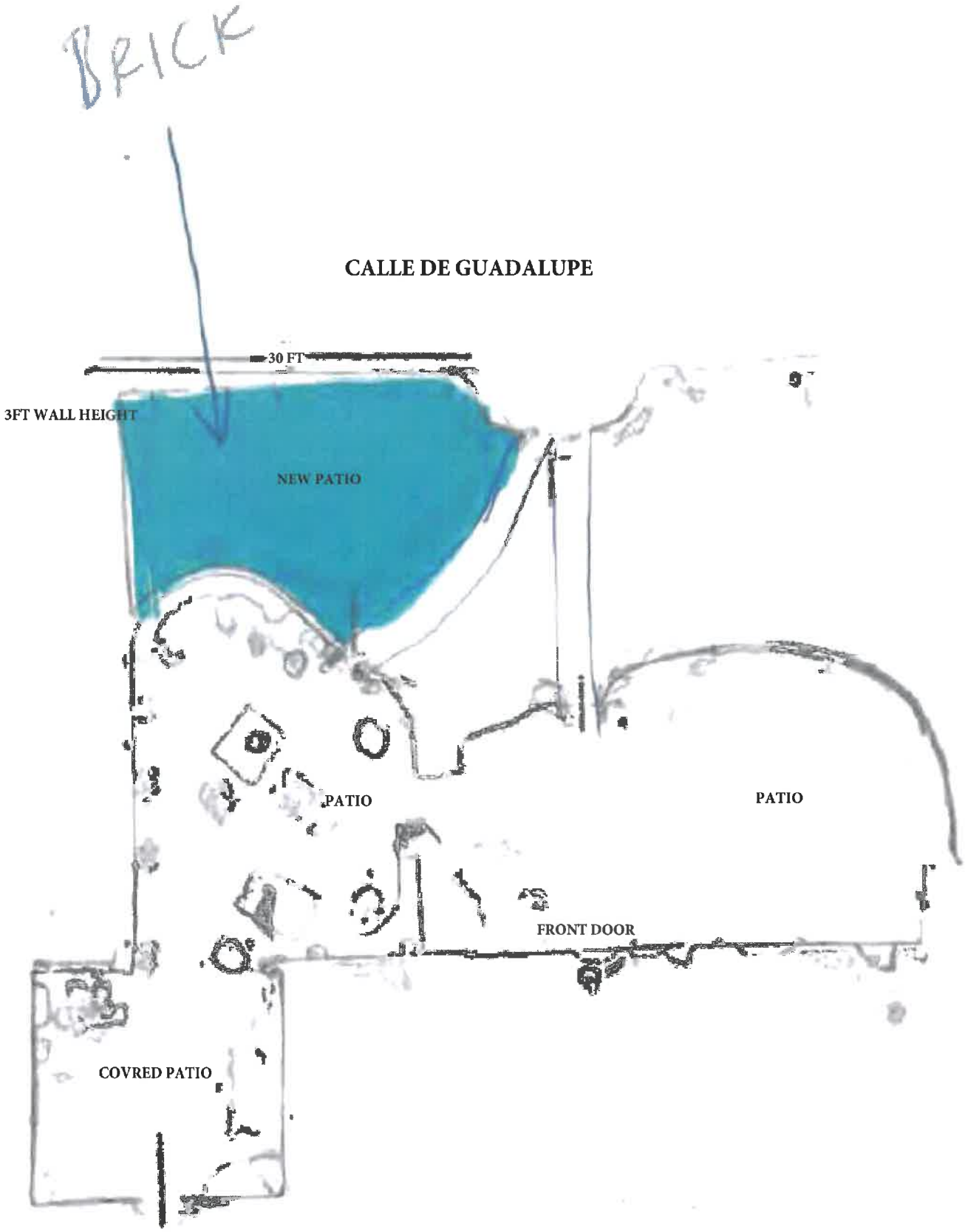
OFFICE USE ONLY

Reviewed by: Public Works	Lorenzo Storms (Sep 11, 2025 13:04:11 MDT)	Date	11/09/25
Fire Department	Greg Whited	Date	11/09/25
NM CID	Thomas Maese	Date	11/09/25
Community Development		Date	11/09/25

Date(s) Approved: _____ Administrative _____ PZHAC _____ BOT _____ CID

COMMENT(S) _____

Implemented 3/24/2025


BRICK
CALLE DE GUADALUPE
30 FT
3FT WALL HEIGHT
NEW PATIO
PATIO
PATIO
FRONT DOOR
COVRED PATIO

068068


Sep 8, 2025 11:42:10 AM
2488 Calle De Guadalupe
Mesilla
Doña Ana County
New Mexico


Sep 8, 2025 11:42:21 AM
2488 Calle De Guadalupe
Mesilla
Doña Ana County
New Mexico


Sep 8, 2025 11:42:36 AM
2488 Calle De Guadalupe
Mesilla
Doña Ana County
New Mexico

069069

Location	Owner Information	As
Situs Address 2489 CALLE DE PRINCIPAL 2461 CALLE DE PRINCIPAL **Deed Holder** FOSTER JOSEPH W & ELAINE O **Tax Area** 2DIN_NR - 2DIN_NR **Parcel Number** 4-006-137-253-477 **Legal Summary** Subd: FOUNTAIN ACRES SUBDIVISION (BK 24 PG 283 - 1730368) Tract: D S: 25 T: 23S R: 1E PT OF USRS TR 11A-66-69	**Owner Name** HISTORIC ENTERPRISES LLC **Owner Address** 4038 CHAVEZ RD LAS CRUCES, NM 88007	**Actual** (2025) **Primary Taxal** **Tax Area:** 2DI

Neighborhood S11 - MESILLA

Type
Non-Residential Land
Non-Residential Improvement

Transfers

Record Sequence	Reception Number	Book Page	Sale Date	Grantor	Grantee
9	2419678		09/14/2024	CHAVEZ-MAY IRMA	HISTORIC ENTERPRISES LLC

-Proclamation-

Declaring October 1, 2025 as International Walk to School Day.

WHEREAS, International Walk to School Day is celebrated globally to encourage children and families to embrace walking and bicycling as a way to promote physical activity, reduce traffic congestion, and enhance community connections; and

WHEREAS, walking and bicycling to school can improve the health and well-being of students, offering them an opportunity to incorporate physical activity into their daily routines, thereby helping to combat childhood obesity and related health issues; and

WHEREAS, International Walk to School Day provides an opportunity for parents, teachers, and community leaders to work together to create safer routes for walking and bicycling, addressing safety concerns, and promoting an active lifestyle; and

WHEREAS, the Town of Mesilla is committed to ensuring the safety and security of all children, and recognizes the importance of safe, accessible walking and bicycling routes to school as a priority for the community; and

WHEREAS, participation in International Walk to School Day encourages a sense of community and shared purpose, fostering relationships among students, families, and neighbors; and

WHEREAS, the events align with the Town's goals of promoting sustainable transportation, reducing traffic congestion, and improving air quality, thereby contributing to a healthier and more environmentally friendly community;

NOW, THEREFORE,

I, Russell Hernandez, Mayor of the Town of Mesilla, New Mexico, do hereby proclaim October 1st as "International Walk to School Days" in the Town of Mesilla and encourage all citizens to consider the benefits of walking and bicycling, to participate in the events, and to support efforts to create safer and more accessible routes for our children to travel to and from school.

SIGNED, SEALED AND PROCLAIMED this September 22, 2025.

_____

RUSSELL HERNANDEZ
MAYOR

071071

Casa de Peregrinos

food for today…hope for tomorrow

Proposal to the Town of Mesilla
Submitted by Casa de Peregrinos Food Program
August, 2025

Casa de Peregrinos is requesting a grant from the Town of Mesilla to support the services we provide to residents of the town and its surrounding areas, and enhance our ability to bring healthy, nutritious food into this community.

The mission of CdP is to ***"alleviate hunger in Doña Ana County one person at a time, by compassionately serving those in need through the efforts of our partners, donors, staff, and volunteers."***. We know that food insecurity does not have a one-size-fits-all solution. We have unique food programs to address unique needs and we provide food in sites throughout the county. Our work is rooted in the belief that without adequate nutrition, families are restricted in their options. We know children are harmed by food insecurity in their academic development, their health, and their success as adults. Our motto "**food for today, hope for tomorrow**" has always been our guide -- expressing our conviction that by providing nutrition, hope and opportunity will grow.

Any investment now is extremely important to allow CdP to continue meeting the demand for food. We have seen an increase in the number of clients served by 7.5% from the previous fiscal year: growing from 37,000 to 40,000, stretching our resources thin. Over 18% of the total population of Doña Ana County now receives services from CdP.
Our financial uncertainty is compounded by the federal tax and spending bill. While we do not receive direct federal funding, we are in serious jeopardy from federal funding cuts. One in four families in Doña Ana County depend on SNAP, the Supplemental Nutrition Assistance Program. Federal budget proposals will reduce SNAP by up to one third. When these cuts happen, the pantry will be the only place some people can turn. We could see an increase of hundreds of families each week.
Casa de Peregrinos' fundamental purpose is to provide monthly distributions of nutritious food to families in need. During the most recent fiscal year, ending June 30, 2025, we:

- Distributed over 76,000 baskets of food
- Served almost 40,000 unique unduplicated clients
- Distributed almost 7.5 million pounds of food
- Provided services in 21 different locations in Doña Ana County

- Provided food baskets averaging 138 pounds, representing 115 meals
- Received volunteer contributions of 21,000 hours, the equivalent of more than 10 full-time employees

We served 242 unique, unduplicated clients in Mesilla (zip codes 88046, and 88047) with an additional 503 clients served in the neighboring zip code of 88005, part of which falls into the township of Mesilla. The families in zip codes 88046 and 88047 received a total of 1,197 baskets of food, with another 8,595 being distributed in zip code 88005.

Casa de Peregrinos' per-distribution cost of each basket of food is $25.21, which includes the cost of food, staffing, transportation, supplies and overhead. The value of each basket is, based on the USDA standard of $1.72 per pound for donated food, more than $240.

Our proposal to the Town of Mesilla has two elements:

1. **We are requesting assistance in underwriting the services that CdP provides to the residents of the town.**

Our cost of providing approximately 1,500 baskets per year to residents of the town is $37,000, based on a per basket cost of $25.21.

2. **We are requesting that the Town help us enhance food distribution to your community by supporting our Pop Up Produce Markets**

Pop Up Produce Markets are a recent and incredibly successful innovation by CdP designed to enhance the food provided in monthly baskets and reach people who may not be aware of current resources. They are organized and conducted in locations that draw people together, such as community centers, town squares, churches, schools and community events. We provide about 25 lbs. of fresh produce to each family and serve 100 families at each event. No registration or qualifying information is needed. Pop Up's also provide opportunities to distribute information about current food resources and let people know how they can receive consistent food support. Our cost for one Pop Up Markets is $1,500, based on the smaller amount of food, and the decrease in staff time because no registration or intake is conducted. CdP would like to conduct 6 Pop Up Markets in Mesilla over the course of the next fiscal year, for a total cost of $7,500.

A grant of $10,000 from the Town of Mesilla would:

- Provide 3 Pop Up Markets in Mesilla for a cost of $4,500
- Provide 220 food baskets to Mesilla residents for a cost of $5,500

This would support 22% of the cost of service to the Town of Mesilla

A grant of $15,000 would:

- Provide 3 Pop Up Markets in Mesilla for a cost of $4,500
- Provide 420 food baskets to Mesilla residents for a cost of $10,500

This would support 33% of the cost of service to the Town of Mesilla

A grant of $20,000 would:

- Provide 3 Pop Up Markets in Mesilla for a cost of $4,500
- Provide 620 food baskets to Mesilla residents for a cost of $15,500

This would support 44% of the cost of service to the Town of Mesilla

Your contribution would provide a large return on investment, and a huge benefit to the community. Every $25 spent to purchase a basket of food has a return of over $240 to a family. We acquire food through wholesale sources, food rescue, and food donation drives, (the Food Rescue Program brought in 1.7 million pounds of usable food in 2024 that was destined for

landfills), and through our partnership with Roadrunner Food Bank, we can distribute food for just a shared cost of transportation and handling.

CdP's services have been proven to improve lives. We have been trained in evaluation methods at the University of New Mexico, and our surveys show that, with CdP services, clients can **purchase other necessities, save money and pay other bills, miss fewer meals, and worry less about food.**

Casa de Peregrinos appreciates the consideration of this request by the Town of Mesilla. Any contribution that can be made will allow us to continue to strive towards our goal of "no one goes hungry in Doña Ana County." If there is any additional information that is needed to inform your decision, please do not hesitate to contact Lorenzo Alba, Jr. CdP Executive Director, at 575-533-5542, or cdped@casadeperegrinos.org.

###

BOARD ACTION FORM
AGENDA DATE

PZHAC: 9/15/2025 **BOT: 9/22/2025**

DAC ACCOUNT #R0400184
BLDG CODE – SUMMARY SUBDIVISON
EVALUATION COST- $N/A
FEE - $150

ITEM: **SUBDIVISION CASE #062053** – 1560 Calle de El Paso, submitted by Raul & Maria Rodriguez. Requesting approval to subdivide their property. ZONE: Residential Agricultural (RA).

BACKGROUND AND ANALYSIS:
Mr. Raul and Mrs. Maria Rodriguez own a 6.55-acres parcel and are requesting approval to summary subdivide into two. If approved, the parcel will be lot 1: 3.55-acres and lot 2: 3-acres.

Lot 2 will be adjacent to Calle de El Paso and lot 1 will have a 26-ft access to it from Calle de El Paso. Adjacent to the northern boundary of this access road is an existing traveled dirty road owned by City of Las Cruces Utilities. This road is NOT being proposed to be used to access lot 1.

Lot 2 currently has an established homestead with a single-family residential building along with agricultural structures. These structures are within the required zone setbacks of 30 feet. Lot 1 is all agricultural land, no structures on it.

IMPACT:
- The PZHAC has jurisdiction to recommend approval of the applicant's request for approval of this request to the BOT.
- The applicant has the authority to make an application request to the PZHAC and BOT.
- The applicant has the authority to appeal the decision from PZHAC to BOT.

ALTERNATIVES:
The Planning, Zoning and Historical Appropriateness Commission (PZHAC) may:
1. Recommend approval of this case with findings stated above.
2. Recommend approval of this case with findings stated above and conditions.
3. Deny the application.

DEPARTMENT COMMENTS:
- MTC 18.25.050(A) – Development Standards require a minimum of 3 acres
- MTC 18.25.050(C)(3) - Development Standards rear yard setback of 30 feet
- MTC 15.05.060(41) - *"Summary subdivision" means a subdivision of land consists of no more than two parcels of land or is a replat where the combination or recombination of portions of previously platted lots does not increase the total number of lots. Summary subdivisions shall be in substantial conformity with the subdivision regulations of the town of Mesilla. The applicability of the summary subdivision procedure may be determined by the planning, zoning and historical appropriateness commission.*

SUPPORTING INFORMATION:
- Application
- Replat
- Proof of Ownership

DETERNINATION NOTES
Approved 4 - 0, no conditions

SUBDIVISION APPLICATION

OFFICIAL USE ONLY:
Case # 062053
Fee $ 150

CASE NO. 062053 ZONE: RA CODE: SUMMARY APPLICATION DATE: 10/10/23

☐ Preliminary Plat ☒ Summary Subdivision ☐ Final Plat ☐ Vacation of Lot Line

RAUL & MARIA RODRIGUEZ		630-974-8341	
Name of Applicant		Applicant's Telephone/Cell Number	
1560 CALLE EL PASO	LAS CRUCES	NM	88005
Mailing Address	City	State	Zip Code
1560 CALLE EL PASO	LAS CRUCES	NM	88005
Owner of Record: Address	City	State	Zip Code

LARRY UNDERWOOD	PE/PS #5983	1430 W. AMADOR AVE, LAS CRUCES, NM 88005	575-649-1510
Name of Engineer	License # of Engineer	Address	Telephone/Cell Number
Name of Architect	License # of Architect	Address	Telephone/Cell Number

REPLAT OF USRS TRACT 9D-84	USRS TRACT 9D-84. S25, T23S, R1E
Subdivision Name	Subdivision Location

Total Acreage 6.55 AC
Number of Lots: 2
Acreage of Largest Lot: 3.55 AC.
Acreage of Smallest Lot: 3.00
Legal Description USRS TRACT 9D-84

Tax Map Property Code (s) R0400184 Jacob's Map #

☐ A ZONE CHANGE, VARIANCE, EXEMPTION, OR SPECIAL PERMIT IS ALSO BEING REQUESTED WITH THIS PROPERTY.

☐ EXPLAIN:

By signing this application, you hereby acknowledge that ALL the information submitted on and with this application is true and correct to the best of your knowledge and that all provisions of the Town of Mesilla shall be met. No application will be accepted without the original signature of the owner(s) of record of the described property. If more than one owner, ALL owners must sign the application. (Attached an additional sheet if necessary).

Raul Rodriguez — 10-10-23
Owner(s) — Date

Maria Rodriguez — 10-10-23
Applicant(s) (if different than owner) — Date

FOR OFFICIAL USE ONLY

PZHAC		BOT	
	☐ Administrative Approval		☐ Approved Date:
	☐ Approved Date:		☐ Disapproved Date:
	☐ Disapproved Date:		☐ Approved with Conditions
	☐ Approved with conditions		

CONDITIONS:

4 076076

Town of Mesilla
Subdivision Checklist

Yes	No	
☑	☐	Application, completed and signed
☑	☐	Fee is paid $ 150

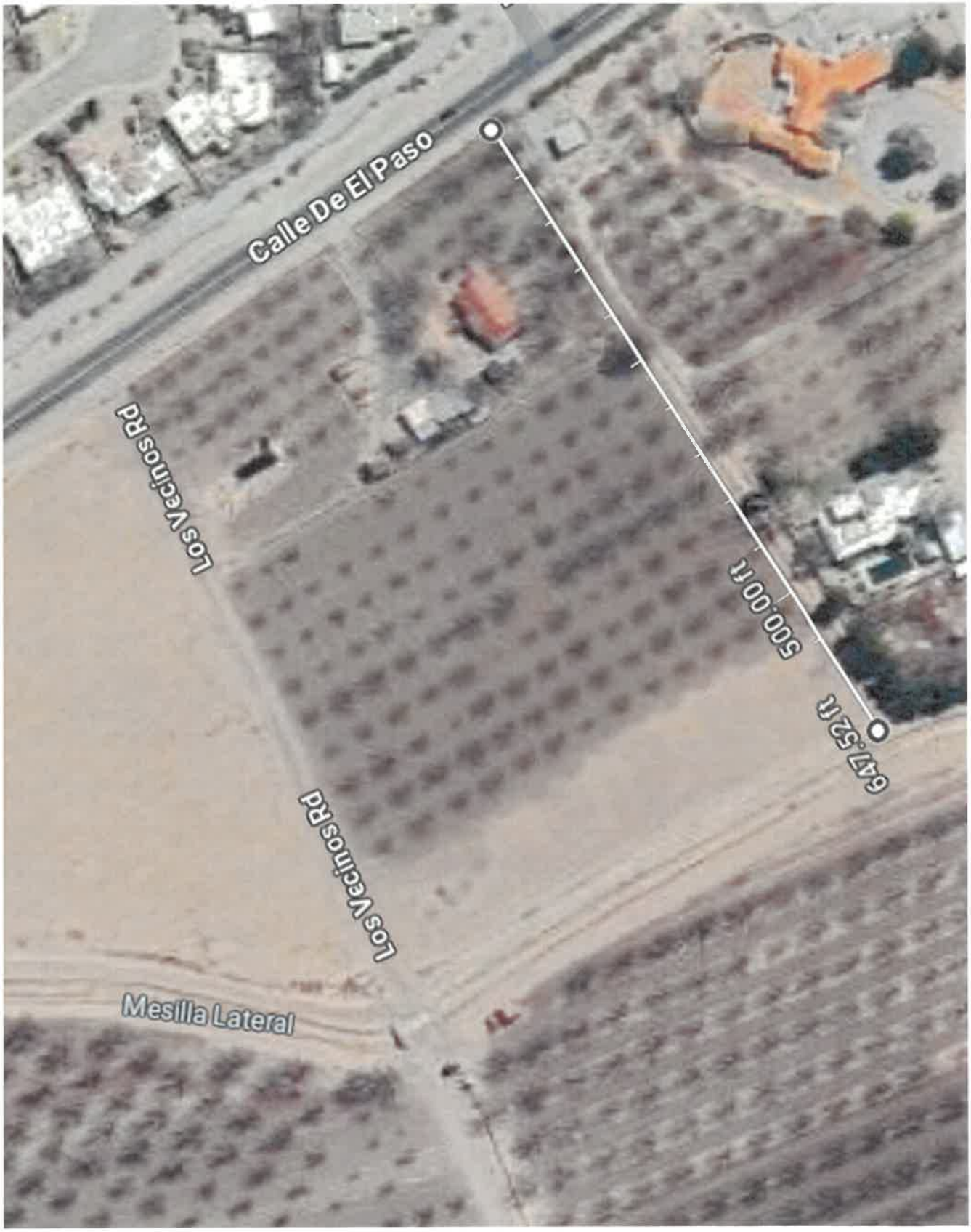
FOR ENGINEER/ARCHITECT

SUBDIVISION PLAT (8 COPIES) 18" X 24" INCLUDING:

☐	☒	Subdivision Name
☐	☒	Location map (inscribed on plat)
☐	☒	Statement of ownership and dedication w/location for signature and notary
☑	☐	Subdivider's name
☑	☐	Subdivider's address
☑	☐	Certification block for Mayor and Town Clerk
☑	☐	Certification block for Planning & Zoning Commission Chairman & Secretary
☑	☐	Certification block of each utility, as applicable (electric, cable, telephone, etc...)
☑	☐	Certification block and recording block for Dona Ana County Clerk
☑	☐	Certification block for Professional Land Surveyor, seal and date of survey
☑	☐	Scale and North arrow
☐	☑	Benchmark location and description of all monuments found of set
☑	☐	Plat boundary lines (bearings in degrees, minutes and seconds with distances in feet and hundredths
☑	☐	Lot Lines (bearings in degrees, minutes and seconds with distances in feet and hundredths)
☑	☐	Acreage of each lot
☑	☐	Address of each lot
☐	☐	Lot of block numbers
☐	☑	Adjacent land conditions (within 150 feet) note subdivision names and filing date
☑	☐	Easements on site (location, dimension and purpose)
☑	☐	Easements adjacent (location, dimension and purpose)
☑	☐	Public rights-of-way on site (approved name, width and curve data)
☐	☑	Public sire delineated (location, dimension and purpose)
☐	☑	Plan and profile of proposed utilities prepared by P.E. and sealed (1 copy)
☐	☑	Plan and Profile of proposed streets prepared by P.E. and sealed (1 copy)
☐	☑	Storm drainage analysis plan prepared by P.E. and sealed to include:
☐	☑	Topographic map (1 copy)
☐	☑	Aerial Photograph, with subdivision delineated
☐	☑	Storm Drainage Analysis Report (1 copy)
☐	☑	Grading Plan (1 copy)
☐	☑	Deed restrictions (signed and notarized)
☐	☑	Improvement Completion Report
☐	☑	Disclosure statement (if applicable)
☐	☑	Request for Variances (if applicable)
☐	☑	NMED Approval (if applicable)
☐	☑	NMDOT Permit (if applicable)
☐	☐	Other: _____

NOTE-The request is a summary subdivision and do not require the items checked no.

077077


Calle De El Paso
Los Vecinos Rd
Los Vecinos Rd
Mesilla Lateral
500.00 ft
647.52 ft

078078

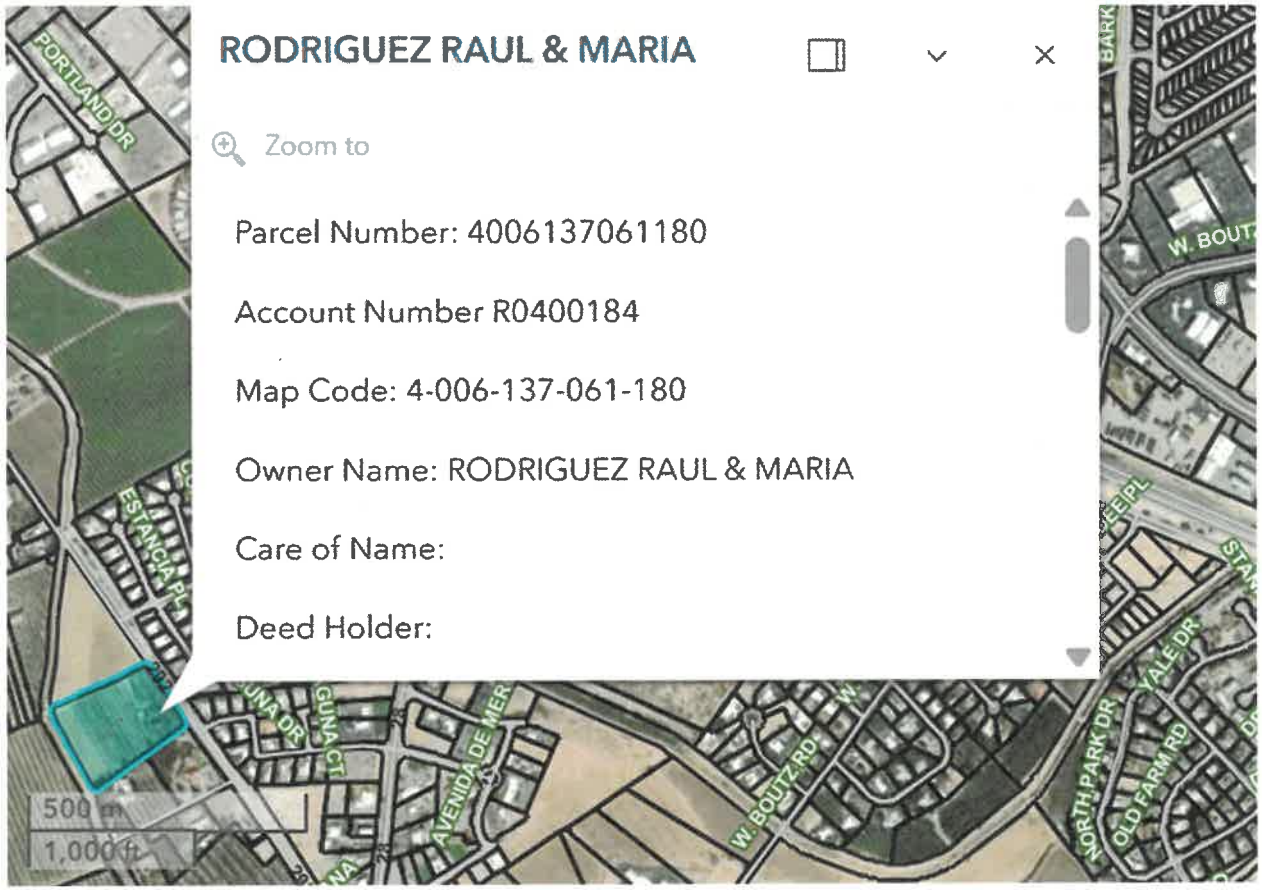

Laguna Dr
292
Stiltes Rd
Calle De El Paso
Los Vecinos Rd
3,443 ft
Los Vecinos Rd
Mesilla Lateral

079079

NM-292
Google Maps

081081

082082


RODRIGUEZ RAUL & MARIA
Zoom to
Parcel Number: 4006137061180
Account Number R0400184
Map Code: 4-006-137-061-180
Owner Name: RODRIGUEZ RAUL & MARIA
Care of Name:
Deed Holder:
PORTLAND DR
ESTANCIA PL
GUNA DR
GUNA CT
AVENIDA DE MER
W. BOUTZ RD
NORTH PARK DR
OLD FARM RD
VALE DR
500 m
1,000 ft

REPLAT OF USRS TRACT 9D-84

BEING A 6.55± ACRE REPLAT OF USRS TRACT 9D-84,
AS FILED MARCH 6, 1992, IN RECEPTION No. 924404,
LOCATED IN SECTION 25, T23S, R1E, NMPM, USRS
LOCATED IN THE TOWN OF MESILLA, DOÑA ANA COUNTY, NEW MEXICO
SCALE: 1" = 100' JULY 28 2025

LINE TABLE		
LINE	BEARING	DIST.
L1	[illegible]	81.34'
L2	[illegible]	75.52'
L3	[illegible]	13.84'
L4	[illegible]	60.00'
L5	[illegible]	84.04'
L6	[illegible]	111.40'

ACKNOWLEDGEMENT

PLAT NOTES:

SURVEYOR'S CERTIFICATION

DRAFT

TOWN OF MESILLA PLANNING AND ZONING COMMISSION APPROVAL

TOWN OF MESILLA BOARD OF TRUSTEES APPROVAL

UTILITY APPROVALS

EL PASO ELECTRIC COMPANY

COMCAST CABLE COMMUNICATIONS INC.

Qwest Corporation, d/b/a/ CenturyLink QC
TELEPHONE COMPANY

Qwest Corporation, d/b/a/ CenturyLink QC DISCLAIMER

LIBBIN UNDERWOOD ENGINEERING & SURVEYING

083083

Town of Mesilla, New Mexico

RESOLUTION 2025-58

A RESOLUTION BY THE BOARD OF TRUSTEES FOR BUDGET ADJUSTMENTS

WHEREAS, since the development of the Town of Mesilla budget for fiscal year 2025-2026, the Town will require revenue and expense increases; and

WHEREAS, budget adjustments are necessary to account for increased revenue in various departments; and

WHEREAS, attachment "A" provides a list of funds/departments affected by these budget adjustments; and

WHEREAS, the summary of adjustments referenced herein are true and correct to the best of our knowledge.

NOW THEREFORE, BE IT RESOLVED by the Board of Trustees of the Town of Mesilla, that the budgetary adjustments are subject to the approval of the State of New Mexico Department of Finance and Administration (DFA) and that a copy of this resolution be forwarded to DFA for approval.

PASSED, ADOPTED, AND APPROVED THE 22nd DAY OF SEPTEMBER, 2025.

_____
Russell Hernandez
Mayor

ATTEST:

_____
Gloria S Maya
Town Clerk/Treasurer

ATTACHMENT A
BUDGET ADJUSTMENTS FOR
FY 2024-2025 1ST QRT

REVENUE:

EMS (14)	$17,378.00	revenue increase to account for actual state receipt

EXPENDITURE:

EMS (14)	$17,378.00	revenue increase to account for actual state receipt

TRANSFER IN:

TRANSFER OUT:

TRANSFER NET $0.00

085085

Resolution 2025-59
Town of Mesilla

PARTICIPATION IN CAPITAL OUTLAY PROGRAM ADMINISTERED THROUGH NEW MEXICO DEPARTMENT OF TRANSPORTATION

WHEREAS, the Town of Mesilla and the New Mexico Department of Transportation enter into a Cooperative Agreement.

WHEREAS, the total cost of the project will be **$200,000.00** to be funded by the parties hereto as follows:

a. New Mexico Department of Transportation's share shall be **100% or $200,000.00**

and

b. Town of Mesilla's proportional matching share shall be **0% or $0.00**

TOTAL PROJECT COST IS **$200,000.00**

The Town of Mesilla shall pay all costs, which exceed the total amount of $200,000.00.

Now therefore, be it resolved in official session that The Town of Mesilla determines, resolves, and orders as follows:

That the project for this Cooperative agreement is adopted and has a priority standing.

The agreement terminates on **June 30, 2029** and the Town of Mesilla incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such covenants, agreements and understandings have been merged into the written agreement.

NOW therefore, be it resolved by the Town of Mesilla to enter into Cooperative Agreement Control Number HW2C1253268 with the New Mexico Department of Transportation for Capital Outlay (Laws of 2025) to Plan, Design, and Construct Road Improvements within the control of the Town of Mesilla in Mesilla, New Mexico in Dona Ana County.

PASSED, ADOPTED, AND APPROVED ON THIS 22ND DAY OF SEPTEMBER, 2025.

TOWN OF MESILLA **ATTEST:**

_____ _____

Russell Hernandez
Mayor

Gloria S. Maya
Clerk/Treasurer

086086

Town of Mesilla, New Mexico

Resolution 2025-60
Town of Mesilla

PARTICIPATION IN CAPITAL OUTLAY PROGRAM ADMINISTERED THROUGH NEW MEXICO DEPARTMENT OF TRANSPORTATION

WHEREAS, the Town of Mesilla and the New Mexico Department of Transportation enter into a Cooperative Agreement.

WHEREAS, the total cost of the project will be **$25,000.00** to be funded by the parties hereto as follows:

a. New Mexico Department of Transportation's share shall be **100% or $25,000.00**

and

b. Town of Mesilla's proportional matching share shall be **0% or $0.00**

TOTAL PROJECT COST IS **$25,000.00**

The Town of Mesilla shall pay all costs, which exceed the total amount of $25,000.00.

Now therefore, be it resolved in official session that The Town of Mesilla determines, resolves, and orders as follows:

That the project for this Cooperative agreement is adopted and has a priority standing.

The agreement terminates on **June 30, 2029** and the Town of Mesilla incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such covenants, agreements and understandings have been merged into the written agreement.

NOW therefore, be it resolved by the Town of Mesilla to enter into Cooperative Agreement Control Number HW2C1253266 with the New Mexico Department of Transportation for Capital Outlay (Laws of 2025) to Plan, Design, Construct, and Equip. Signage within the control of the Town of Mesilla in Mesilla, New Mexico in Dona Ana County.

PASSED, ADOPTED, AND APPROVED ON THIS 22ND DAY OF SEPTEMBER, 2025.

TOWN OF MESILLA **ATTEST:**

_____ _____

Russell Hernandez
Mayor

Gloria S. Maya
Clerk/Treasurer

087087

EXHIBIT B
RESOLUTION 2025-61
Town of Mesilla

PARTICIPATION IN TRANSPORTATION PROJECT FUND PROGRAM ADMINISTERED BY NEW MEXICO DEPARTMENT OF TRANSPORTATION

WHEREAS, the Town of Mesilla and the New Mexico Department of Transportation have entered into a grant agreement under the Transportation Fund Program for a local road project.

WHEREAS, the total cost of the project will be $670,772.63 to be funded in proportional share by the parties hereto as follows:

a. New Mexico Department of Transportation's share shall be 95% or $637,234.00
and
b. Town of Mesilla's proportional matching share shall be 5% or $33,538.63

TOTAL PROJECT COST IS $670,772.63

The **Town of Mesilla** shall pay all costs, which exceed the total amount of $670,772.63.

Now therefore, be it resolved in the official session that the **Town of Mesilla** determines, resolves, and orders as follows:

That the project for this Cooperative agreement is adopted and has a priority standing.

The agreement terminates on June 30, 2028 and the **Town of Mesilla** incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such covenants, agreements and understandings have been merged into the written agreement.

Now therefore, be it resolved by the **Town of Mesilla** to enter into Cooperative Agreement for Project Control Number **LP10079** with the New Mexico Department of Transportation for the TPF Program for year 2026 for Paisano Rd Pavement Replacement-Planning, engineering, survey, design, construction and construction administration removing and replacing the existing deteriorated base course and pavement, adjustment of utilities to grade, and drainage improvements.-Paisano Rd will be resurfaced with a new asphalt pavement section. within the control of the **Town of Mesilla** in New Mexico.

PASSED, ADOPTED, AND APPROVED ON THIS 22ND DAY OF SEPTEMBER, 2025.

TOWN OF MESILLA **ATTEST:**

_____ _____

Russell Hernandez
Mayor

Gloria S. Maya
Clerk/Treasurer