

Variance Application: VAR 24-1192
LUHO Hearing Date: November 20, 2024
Case Reviewer: Orlando Borrás



**Hillsborough
 County Florida**

Development Services Department

Applicant: Terry Jr. and Selina Murphy **Zoning:** AS-1
Location: 8501 Lithia Pinecrest Road, Lithia, FL 33547; Folio: 93635.0200

Request Summary:

The applicant is requesting a variance to accommodate a ground mounted solar panel on the front side of the existing home on the property.

Requested Variances:

LDC Section:	LDC Requirement:	Variance:	Result:
6.01.03.I.11 6.01.01	Ground mounted solar panels may not project into the required front yard. A minimum 50-foot front yard setback is required in the AS-1 zoning district.	44-feet	6-foot front yard setback

Findings:

In June 2024, the applicant requested a building permit (HC-BLD-24-0061910). The Building Department noted that the application was not in compliance with the minimum setback requirements under the AS-1 zoning district.

Zoning Administrator Sign Off:

Colleen Marshall
 Colleen Marshall
 Fri Nov 1 2024 12:35:13

DISCLAIMER:

The variance(s) listed above is based on the information provided in the application by the applicant. Additional variances may be needed after the site has applied for development permits. The granting of these variances does not obviate the applicant or property owner from attaining all additional required approvals including but not limited to: subdivision or site development approvals and building permit approvals.

SURVEY/SITE PLAN

See Attached Pages

PHOTOVOLTAIC GROUND MOUNT SYSTEM

36 MODULES-GROUND MOUNTED - 14.220 KWDC, 10.440 KWAC
8501 LITHIA PINECREST RD, LITHIA, FL 33547, USA

SYSTEM SUMMARY:

- (N) 36 - CANADIAN SOLAR CSR-395MS-HL (995W) MODULES
- (N) 36 - ENPHASE ENERGY 108PLUS-72-2US MICRO-INVERTERS
- (N) JUNCTION BOX
- (E) 2004 MAIN SERVICE PANEL WITH (E) 2004 MAIN BREAKER
- (N) 60A FUSED AC DISCONNECT
- (N) 60A NON-FUSED AC DISCONNECT
- (N) ENPHASE IQ COMBINER BOX 4

MOUNTING STYLE : GROUND MOUNT

INTERCONNECTION METHOD : LINE SIDE TAP

DESIGN CRITERIA:

- PV TYPE : - GROUND MOUNT
- SNOW LOAD : - 1 PSF
- WIND SPEED : - 130 MPH
- WIND EXPOSURE : - C
- RISK CATEGORY : - I
- COORDINATE : - 27.852849, -82.136679



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GOVERNING CODES:

- 2023 8TH EDITION FLORIDA BUILDING CODE : BUILDING
- 2023 8TH EDITION FLORIDA BUILDING CODE : RESIDENTIAL
- 2023 8TH EDITION FLORIDA BUILDING CODE : MECHANICAL
- 2023 8TH EDITION FLORIDA BUILDING CODE : PLUMBING
- 2023 8TH EDITION FLORIDA BUILDING CODE : FUEL GAS
- 2023 8TH EDITION FLORIDA BUILDING CODE : ENERGY CONSERVATION
- 2023 8TH EDITION FLORIDA BUILDING CODE : EXISTING BUILDING
- 2023 8TH EDITION FLORIDA BUILDING CODE : ACCESSIBILITY
- 2023 8TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA)
- 2020 NATIONAL ELECTRIC CODE (NEC)

SHEET INDEX

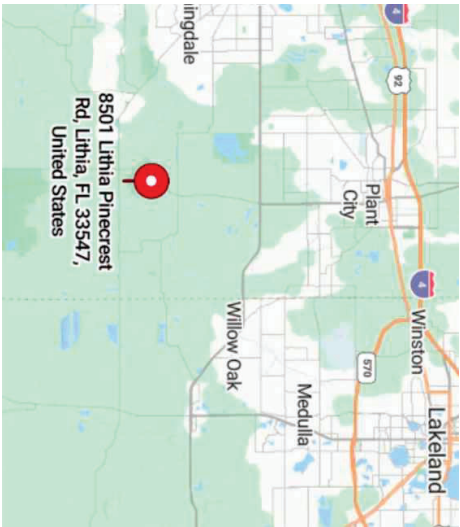
- PV-0 COVER SHEET
- PV-1 SITE PLAN WITH GROUND PLAN
- PV-2 GROUND PLAN WITH MODULES
- PV-3,3.1,3.2 ATTACHMENT DETAILS
- PV-4 ELECTRICAL LINE DIAGRAM WITH CALCULATION
- PV-4.1 VOLTAGE DROP CALCULATION
- PV-5 WARNING LABELS & PLACARD
- PV-6+ EQUIPMENT SPEC SHEETS

CONSTRUCTION NOTE:

A LADDER SHALL BE IN PLACE FOR INSPECTION
THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS A UTILITY GRID INTERACTIVE SYSTEM
A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 680-47 AND 250-50 THROUGH 60-250-166 SHALL BE PROVIDED PER NEC.
GROUNDING ELECTRODE SYSTEM OF EXISTING BUILDING MAY BE USED AND BONDED TO AT THE SERVICE ENTRANCE. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, OR IS ONLY METALLIC WATER PIPING, A SUPPLEMENTAL GROUNDING ELECTRODE WILL BE USED AT THE INVERTER LOCATION CONSISTING OF A UL LISTED 8 FT GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE CONDUCTORS SHALL BE NO LESS THAN #6 AWG AND NO GREATER THAN #6 AWG COPPER AND BONDED TO THE EXISTING GROUNDING ELECTRODE TO PROVIDE OR A COMPLETE GROUND.
EACH MODULE WILL BE GROUNDING USING THE SUPPLIED GROUNDING POINTS IDENTIFIED BY THE MANUFACTURER.
EXPOSED NON-CURRENT CARRYING METAL PARTS OF MODULE FRAMES, EQUIPMENT, AND CONDUCTOR ENCLOSURES SHALL BE GROUNDING IN ACCORDANCE WITH 250.134 OR 250.138(A) REGARDLESS OF VOLTAGE. PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED ELECTRICAL EQUIPMENT WILL BE PROVIDED.
ALL SIGNAGE WILL BE INSTALLED AS REQUIRED BY AND 2023 NEC.
HEIGHT OF INTEGRATED AC/DC DISCONNECT SHALL NOT EXCEED 6'7" PER NEC 240.24.
THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PROTECTED FROM PHYSICAL DAMAGE BETWEEN THE GROUNDING ELECTRODE AND THE PANEL (OR INVERTER) IF SMALLER THAN #6 AWG COPPER WIRE PER NEC 250-64B. THE GROUNDING ELECTRODE CONDUCTOR WILL BE CONTINUOUS, EXCEPT FOR SPLICES OR JOINTS AT BUSBARS WITHIN LISTED EQUIPMENT PER NEC 250.64C.
ALL EXTERIOR CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
THE PV CONNECTION IN THE PANEL BOARD SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION. (NEC 690.64(B)(7))
SITE CONDITIONS SHALL PREVAIL IF NO SCALE IS GIVEN. DRAWINGS ARE NOT NECESSARILY TO SCALE. ALL DIMENSIONS SHALL BE VERIFIED BY SUBCONTRACTOR UPON COMMENCEMENT OF CONSTRUCTION.
ELECTRICAL NOTES
· ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL AND LABELED FOR ITS APPLICATION.
· ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
· WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE HIP OR VALLEY.
· WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
· DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULLY APPLICABLE CODES AND STANDARDS.
· WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
· ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
· MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION.
· MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER E.G.C. VIA WEBB LUG OR ILSOCO GRI-4DBT LAY-IN LUG.
· THE POLARITY OF THE GROUNDING CONDUCTORS IS NEGATIVE



1 AERIAL PHOTO
SCALE: NTS



2 VICINITY MAP
SCALE: NTS

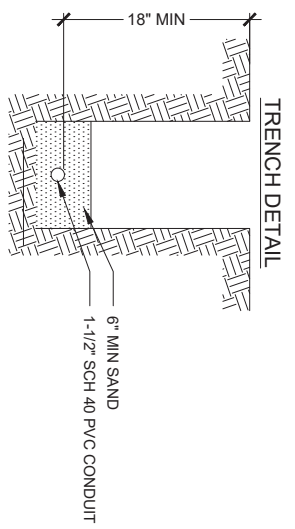
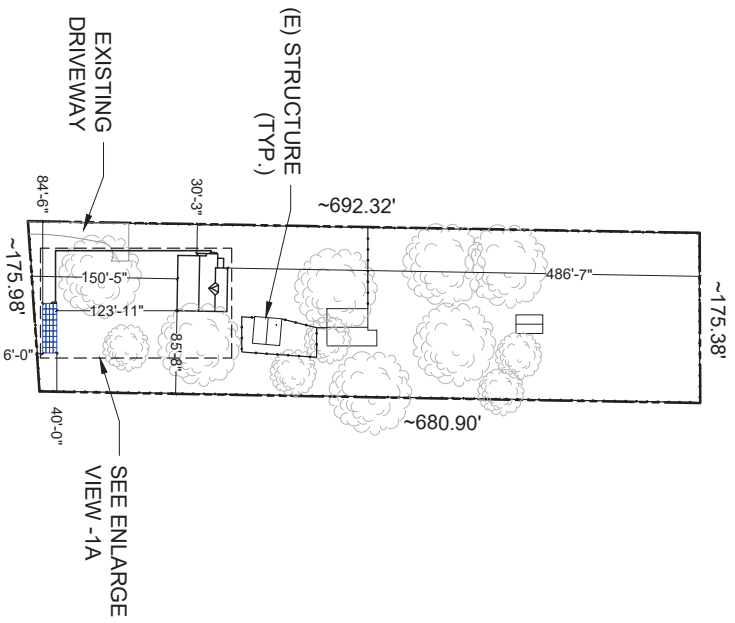


TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

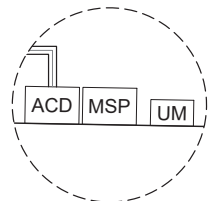
CURRENT HOME
7100 WEST FLORIDA AVE HEMET, CA 92346
CSL B.# : CV257185 PHONE NUMBER: 855-478-0091 WWW.CURRENTHOME.COM
CUSTOMER PROJECT ID : 7245

VERSION	DESCRIPTION	DATE	REV
	INITIAL RELEASE	09/31/2024	UR

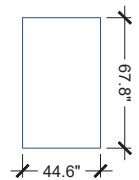
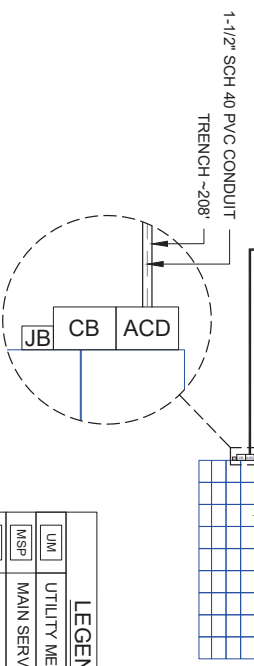
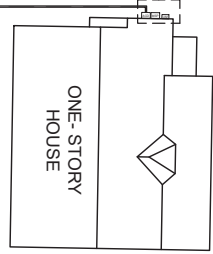
SHEET NAME	COVER SHEET
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-0



1 SITE PLAN WITH GROUND PLAN
SCALE: 1/128" = 1'-0"



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PHOTOVOLTAIC MODULES
CANADIAN SOLAR CS6R-395MS-HL (395W)

NOTE:
ALL ELECTRICAL EQUIPMENT, INVERTERS, DISCONNECTS, MAIN SERVICE PANELS, ETC. SHALL NOT BE INSTALLED WITHIN 3' OF THE GAS METERS SUPPLY OR DEMAND PIPING.

NOTE TO INSTALLER:
FIELD ADJUSTMENTS CAN BE MADE TO LAYOUT OF THE ARRAY.

LEGEND	
UM	UTILITY METER
MSP	MAIN SERVICE PANEL
ACD	AC DISCONNECT
CB	ENPHASE IQ COMBINER BOX 4
JB	JUNCTION BOX
---	TRENCH
---	CONDUIT
---	PROPERTY LINE
---	GATE
---	FENCE
---	TREE

1A ENLARGE VIEW
SCALE: 1/32" = 1'-0"

VERSION	DESCRIPTION	DATE	REV
	INITIAL RELEASE	09/31/2024	UR

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CA 92256
CSL B.# : CV057185 PHONE
NUMBER: 655-478-9091
www.currenthome.com
CUSTOMER PROJECT ID : 7245

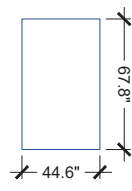
TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME	SITE PLAN WITH GROUND PLAN
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-1

MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 36 MODULES
 MODULE TYPE = CANADIAN SOLAR CS9R-395MS-HL (395W) MODULES
 MODULE WEIGHT = 47.4 LBS/ 21.5 KG.
 MODULE DIMENSIONS = 67.8" X 44.6" = 2.1, 00 SF
 UNIT WEIGHT OF ARRAY = 2.26 PSF

PHOTOVOLTAIC MODULES
 CANADIAN SOLAR CS9R-395MS-HL
 (395W)

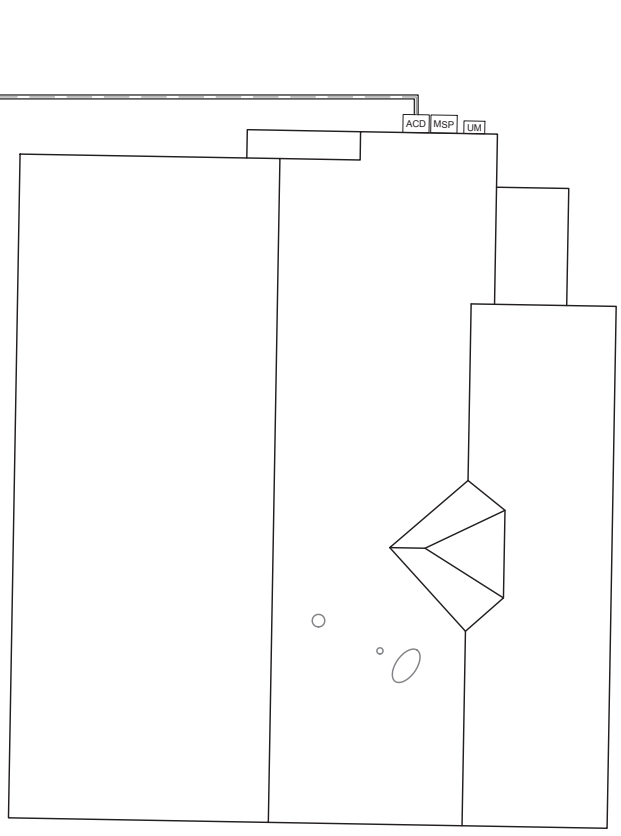


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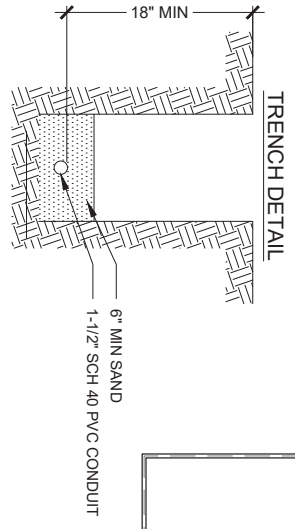
GROUND ARRAY DESCRIPTION			
GROUND ARRAY #1	#OF MODULES	ARRAY TILT	AZIMUTH
#1	36	15°	180°

REAR YARD

BILL OF MATERIALS	TOTAL QTY
PART	
XR-1000-204A	18
XR1000, RAIL, 20" CLEAR	
CLAMPS & GROUNDING	
UF0-CL-01-A1	90
UNIVERSAL MODULE CLAMP, CLEAR	
UF0-STP-35MM-M1	36
STOPPER SLEEVE, 35MM, MILL	
XR-LUG-03-A1	1
GROUNDING LUG, LOW PROFILE	
SUBSTRUCTURE	
70-0300-SGA	10
SGA TOP CAP AT 3"	
GMBRC3-01-AM1	36
GROUND MOUNT BOUNDED RAIL CONNECTOR, 3"	



LEGEND	
UM	UTILITY METER
MSP	MAIN SERVICE PANEL
ACD	AC DISCONNECT
CB	ENPHASE IQ COMBINER BOX 4
JB	JUNCTION BOX
CONDUIT	CONDUIT
TRENCH	TRENCH
ENPHASE ENERGY IQ8PLUS-72-2-US	ENPHASE ENERGY IQ8PLUS-72-2-US
MICRO-INVERTERS	MICRO-INVERTERS
VENT. ATTIC FAN (ROOF OBSTRUCTION)	VENT. ATTIC FAN (ROOF OBSTRUCTION)



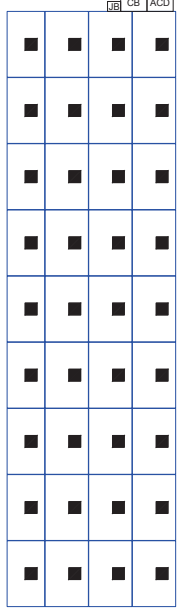
1

GROUND PLAN WITH MODULES

SCALE: 3/32" = 1'-0"



FRONT YARD
 LITHIA PINECREST RD



GROUND ARRAY #1
 TILT: 15°
 AZIMUTH: 180°

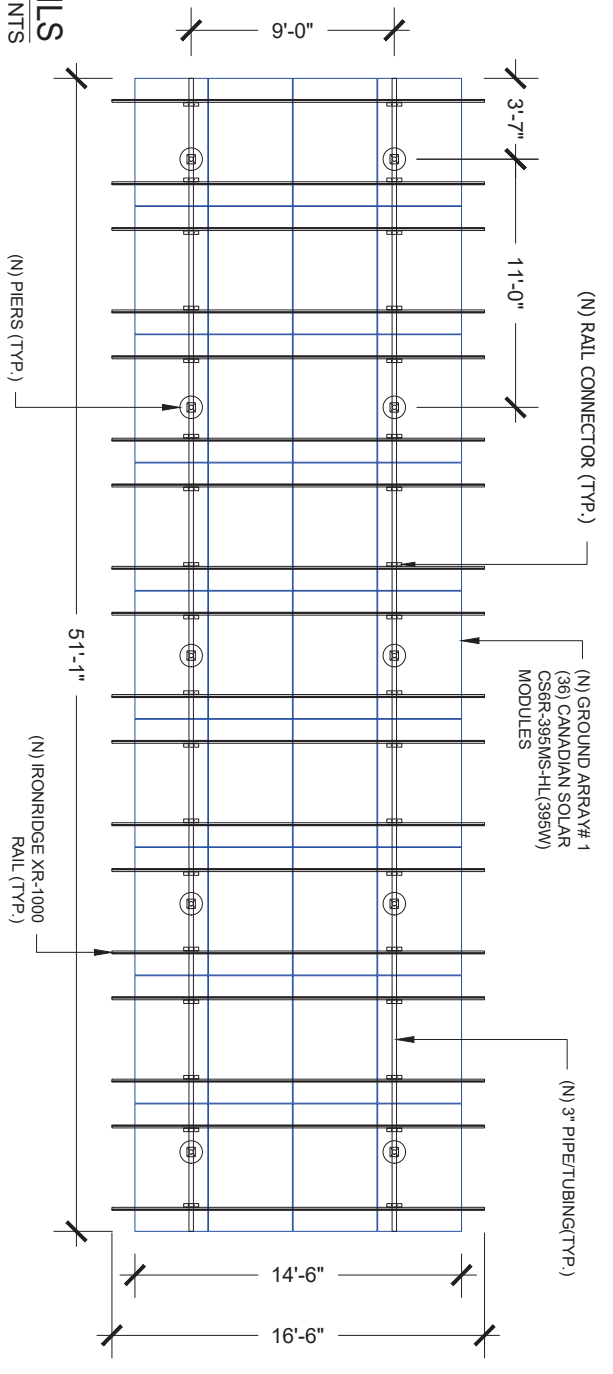
TERRANCE MURPHY
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 APN NO.: 223020ZZZ000005212200U
 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

CURRENT HOME
 7100 WEST FLORIDA AVE. #EMET,
 CA 92545
 CSL B.# : CV57185 PHONE
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 CUSTOMER PROJECT ID : 7245

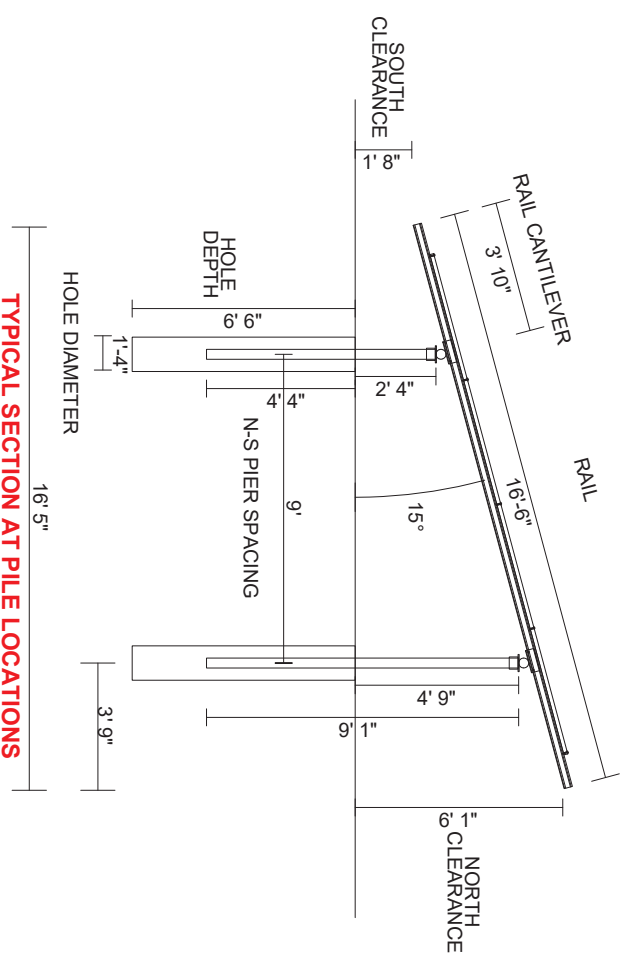
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	INITIAL RELEASE	09/31/2024	UR

SHEET NAME	GROUND PLAN WITH MODULES
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-2

A ARRAY DETAILS
SCALE: NTS




2 ATTACHMENT DETAIL
SCALE: NTS



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SADDAH AHMAD
No. 75315
PROFESSIONAL ENGINEER
STATE OF FLORIDA

TYPICAL SECTION AT PILE LOCATIONS

 <p>CURRENT HOME 7100 WEST FLORIDA AVE. HEMET, CA 92346 CSL B.# : CVCS7185 PHONE NUMBER: 855-478-9091 www.currenthome.com CUSTOMER PROJECT ID : 7245</p>							
<p>VERSION</p> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>DATE</th> <th>REV</th> </tr> </thead> <tbody> <tr> <td>INITIAL RELEASE</td> <td>09/31/2024</td> <td>UR</td> </tr> </tbody> </table>	DESCRIPTION	DATE	REV	INITIAL RELEASE	09/31/2024	UR	<p>PROJECT NAME</p> <p>TERRANCE MURPHY 8501 LITHIA PINECREST RD, LITHIA, FL 33547, USA APN NO.: 223020ZZZ000005212200U UTILITY: TECO AHJ: HILLSBOROUGH COUNTY</p>
DESCRIPTION	DATE	REV					
INITIAL RELEASE	09/31/2024	UR					
<p>SHEET NAME</p> <p>ATTACHMENT DETAIL</p> <p>SHEET SIZE</p> <p>ANSI B 11" X 17"</p> <p>SHEET NUMBER</p> <p>PV-3</p>	<p>24-1192</p>						



CURRENT HOME
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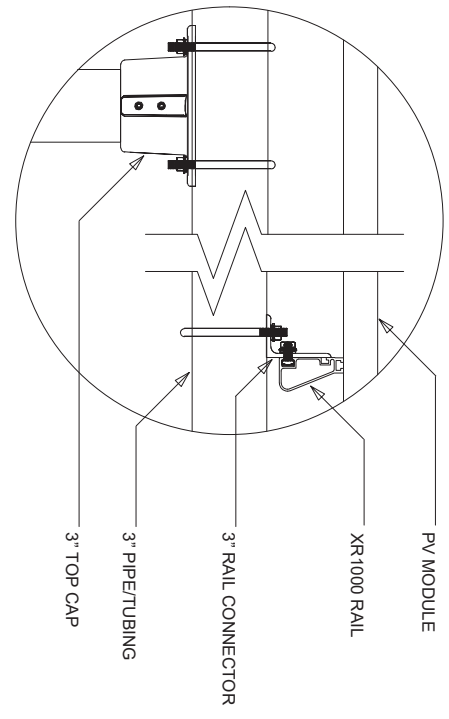
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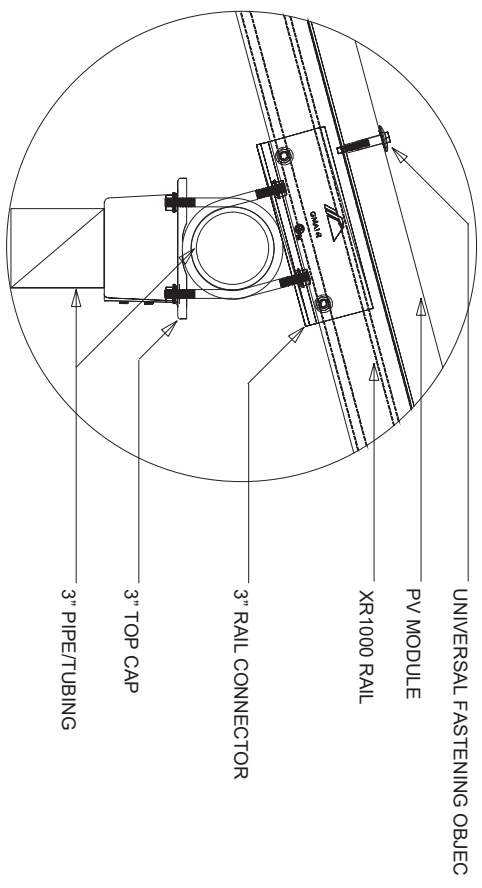
PROJECT NAME

TERRANCE MURPHY
 8501 LITHIA PINECREST RD,
 LITHIA, FL 33547, USA
 APN NO.: 223020ZZZ000005212200U
 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

SHEET NAME	ATTACHMENT DETAIL
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-3.1

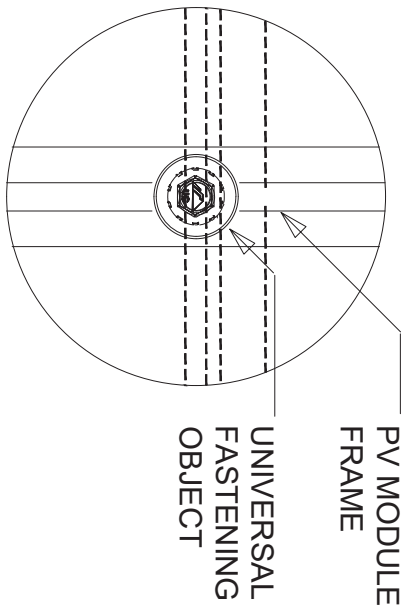


FRONT VIEW

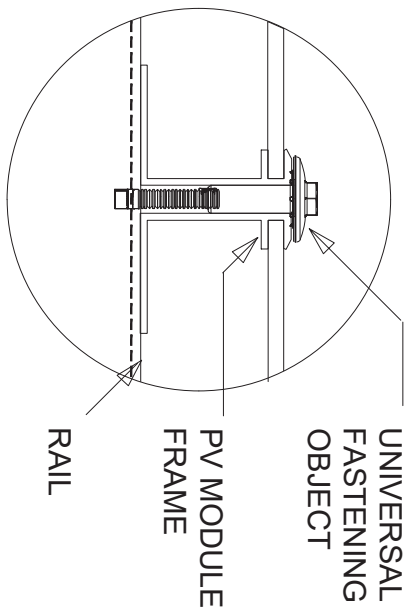


SIDE VIEW

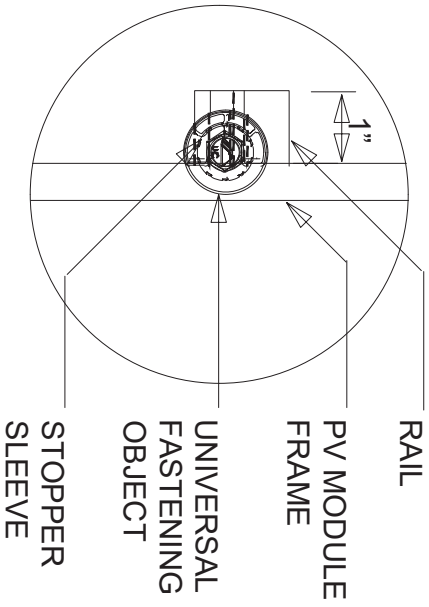
2 ATTACHMENT DETAIL
 SCALE: NTS



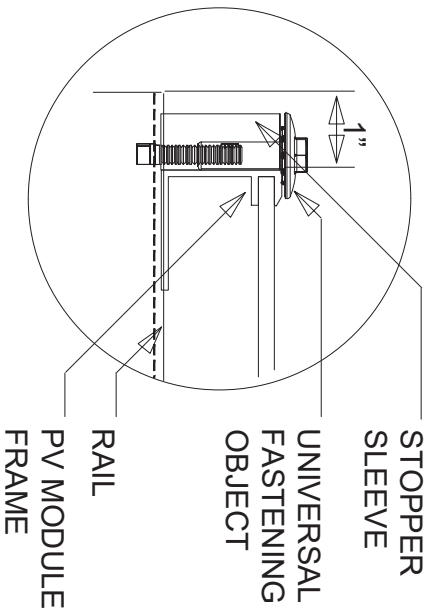
MID CLAMP, PLAN



MID CLAMP, FRONT



END CLAMP, PLAN



END CLAMP, FRONT

2 ATTACHMENT DETAIL
SCALE: NTS



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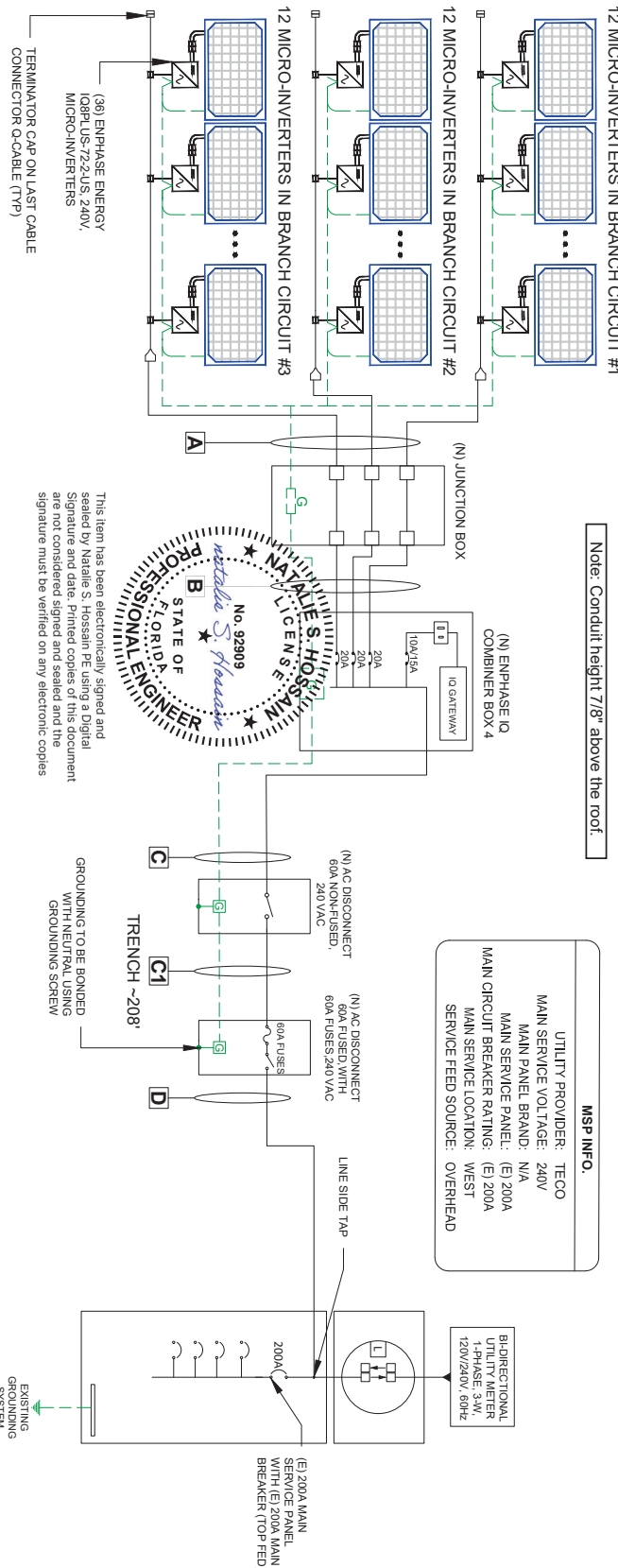
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8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME
ATTACHMENT
DETAIL
SHEET SIZE
ANSI B
11" X 17"
SHEET NUMBER
PV-3.2

SOLAR MODULE SPECIFICATIONS					
MANUFACTURER / MODEL #	VMP	IMP	VOC	ISC	TEMPERATURE COEFFICIENT OF V_{oc}
CANADIAN SOLAR CS6R-385WS-H4 (395W)	30.6 (V)	12.91 (A)	36.6 (V)	13.77 (A)	-0.26%/°C
MODULE DIMENSION	67.8" L x 44.6" W x 1.38" D				

AMBIENT TEMPERATURE SPECIFICATIONS		
RECORD LOW TEMP	AMBIENT TEMP (HIGH TEMP 2%)	CONDUCTOR TEMPERATURE RATE
1°	34°	90°

INVERTER SPECIFICATIONS			
MANUFACTURER / MODEL #	QUANTITY	NOMINAL OUTPUT VOLTAGE	NOMINAL OUTPUT CURRENT
EMPHASE ENERGY IO8PLUS-72-2-US	36	240 VAC	12.1A
UTILITY NO : 1000642805		SYSTEM SIZE: .36 x 395W = 14.22 kWDC 36 x 280VA = 10.44 kWAC	



Natalie S. Hossain
 No. 82909
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

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WIRE TAG	CONDUIT	WIRE QTY	WIRE GAUGE	WIRE TYPE	TEMP. RATING	WIRE AMPACITY (A)	TEMP. DERATE	CONDUIT FILL DERATE	DERATED AMPACITY (A)	INVERTER QTY	NOC (A)	NEC CORRECTIO N	DESIGN CURRENT (A)	GROUND SIZE	GROUND WIRE TYPE
A	OPEN AIR	3	12 AWG	Q-CABLE	90°C	30	0.96	1.0	28.80	12	1.21	1.25	18.15	6 AWG	BARE CU GND
B	3/4" NM OR ENT	6	10 AWG	THWN-2	90°C	40	0.96	0.8	30.72	12	1.21	1.25	18.15	10 AWG	THWN-2
C	3/4" SCHEDULE 40 PVC	3+6	6 AWG	THWN-2	90°C	75	0.96	1.0	72.00	36	1.21	1.25	54.45	8 AWG	THWN-2
C1	1-1/2" SCHEDULE 40 PVC	3+6	3 AWG	THWN-2	90°C	115	0.96	1.0	110.40	36	1.21	1.25	54.45	8 AWG	THWN-2
D	3/4" SCHEDULE 40 PVC	3	6 AWG	THWN-2	90°C	75	0.96	1.0	72.00	36	1.21	1.25	54.45	-	-

1 ELECTRICAL LINE DIAGRAM WITH CALCULATION

SCALE: NTS

CURRENT HOME
 7100 WEST FLORIDA AVE. HEMET, CA 92346
 CSL B.# : CV257 185 PHONE NUMBER: 855-478-9091
 www.currenthome.com

CUSTOMER PROJECT ID : 7245

TERRANCE MURPHY
 8501 LITHIA PINECREST RD,
 LITHIA, FL 33547, USA
 APN NO.: 223020ZZZ000005212200U
 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

VERSION	DESCRIPTION	DATE	REV
INITIAL RELEASE	09/12/2024		UR

PROJECT NAME

SHEET NAME: ELECTRICAL LINE DIAGRAM WITH CALCULATION

SHEET SIZE: ANSI B 11" X 17"

SHEET NUMBER: PV-4



CURRENT HOME
 7100 WEST FLORIDA AVE. TREMONT,
 CA 92556
 CSL B.# : CVCS7185 PHONE
 NUMBER: 855-478-9091
 www.currenthome.com

CUSTOMER PROJECT ID : 7245

VOLTAGE DROP CALCULATIONS

WIRE RUN	# OF INV	V (VOLTS)	I (AMPS)	L (FT)	VD (%)	WIRE SIZE*	RACEWAY
BRANCH (MODULE) TO PASS THRU J. BOX	12	240	14.52	15	0.29%	12 AWG	FREE AIR
PASS THRU SOLAR J. BOX TO COMBINER BOX	12	240	14.52	5	0.06%	10 AWG	3/4" NM OR ENT
PASS THRU COMBINER BOX TO NON-FUSED DISCONNECT	36	240	43.56	5	0.07%	6 AWG	3/4" SCHEDULE 40 PVC
PASS THRU NON-FUSED DISCONNECT TO FUSED AC DISCONNECT	36	240	43.56	208	1.49%	3 AWG	1-1/2" SCHEDULE 40 PVC
PASS THRU FUSED AC DISCONNECT TO INTERCONNECTION	36	240	43.56	5	0.07%	6 AWG	3/4" SCHEDULE 40 PVC
MAX VOLTAGE DROP: 1.98%							

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 APN NO.: 223020ZZZ000005212200U
 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

SHEET NAME	VOLTAGE DROP CALCULATION
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-4.1

1 VOLTAGE DROP CALCULATION
 SCALE: NTS

WARNING

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

LABEL LOCATION:
INVERTERS; AC DISCONNECT(S), AC
COMBINER PANEL (IF APPLICABLE),
PER CODE(S): NEC 2020, NEC 706-15
(C)(4) & NEC 690-13(B)

PHOTOVOLTAIC

AC DISCONNECT

LABEL LOCATION:
AC DISCONNECT
NEC 690.13(B)

**WARNING DUAL POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM**

LABEL LOCATION:
POINT OF INTERCONNECTION
PRODUCTION METER
NEC 705.42(B)(3) & NEC 690.59

NOTES AND SPECIFICATIONS:

- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE 2020 ARTICLE 110.2.(1)(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

PHOTOVOLTAIC AC DISCONNECT

MAXIMUM AC OPERATING CURRENT: 43.56 AMPS
NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF
INTERCONNECTION
PER CODE(S): NEC 2020, 690.54

PHOTOVOLTAIC POWER SOURCE

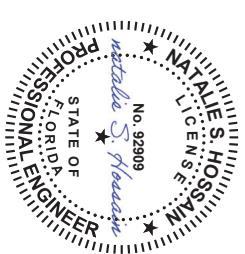
LABEL LOCATION:
EMT/CONDUIT RACEWAYS
(PER CODE: NEC 690.31(D)(2))

**MAIN PHOTOVOLTAIC
SYSTEM DISCONNECT**

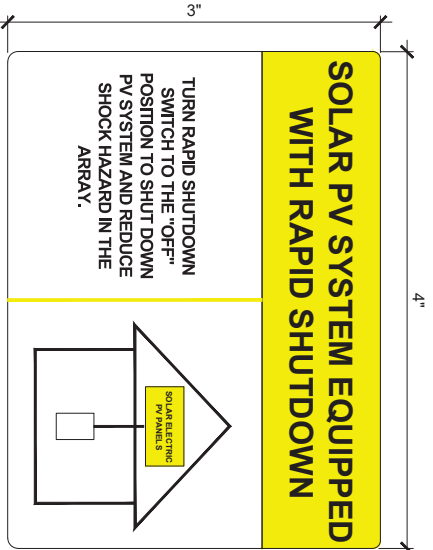
LABEL LOCATION:
MAIN SERVICE DISCONNECT / UTILITY METER
(PER CODE: NEC 690.13(B))

**RAPID SHUTDOWN FOR
SOLAR PV SYSTEM**

LABEL LOCATION:
UTILITY SERVICE ENTRANCE METER, (WITHIN 3')
INVERTER DISCONNECT IF REQUIRED BY LOCAL AHJ,
OR OTHER DISCONNECT AS REQUIRED BY LOCAL AHJ.
PER CODE(S): NEC 2020, 690.58(C)(2)

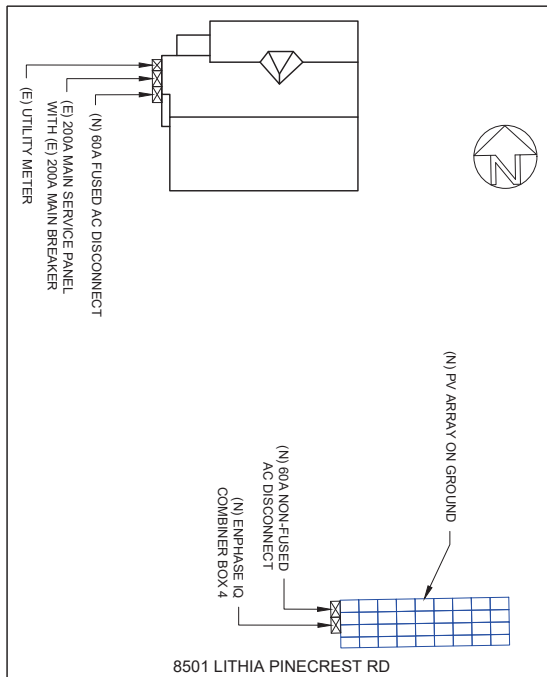


This form has been electronically signed and sealed by Natalie S. Hossain. Pencil or a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



**CAUTION !
MULTIPLE SOURCES OF POWER**

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN



CURRENT HOME
7100 WEST GORDON AVE HEMET,
CA 92345
CSL B.# : CV257185 PHONE
NUMBER: 855-478-9091
WWW.CURRENTHOME.COM

CUSTOMER PROJECT ID : 7245

VERSION	DESCRIPTION	DATE	REV
	INITIAL RELEASE	09/12/24	UR

TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME	WARNING LABELS & PLACARD
SHEET SIZE	ANSI B 11" X 17"
SHEET NUMBER	PV-5



HIKUG (All-Black)

ALL BLACK MONO PERC

380 W ~ 405 W

CS6R-380 | 385 | 390 | 395 | 400 | 405MS-HL

MORE POWER

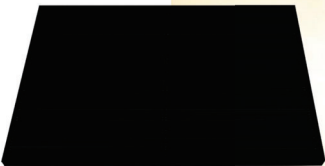
- 405 W Module power up to 405 W
- Module efficiency up to 20.7%
- Lower LCOE & system cost
- Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
- Better shading tolerance

MORE RELIABLE

- Minimize micro-crack impacts
- Heavy snow load up to 8100 Pa, wind load up to 5000 Pa*

* For detailed information, please refer to the Installation Manual.

CSI SOLAR (USA) CO., LTD.
1350 Treat Blvd, Suite 500, Walnut Creek, CA 94598, USA | www.csisolar.com | service.ca@csisolar.com



25 Industry Leading Product Warranty on Materials and Workmanship*

25 Linear Power Performance Warranty*

1* Year power degradation no more than 2%

Subsequent annual power degradation no more than 0.55%

* Subject to the terms and conditions contained in the applicable Canadian Solar Limited Warranty on Materials and Workmanship and the applicable Canadian Solar Ltd. for products installed and operating in residential rooftop in certain regions.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

ISO 45001:2018 / International standards for occupational health & safety

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE

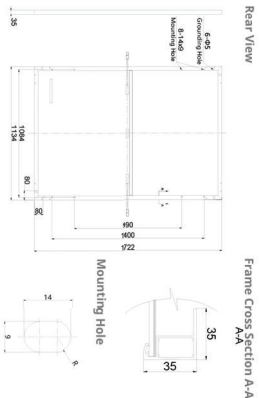
CQC (China) / UL 61720 / IEC 62716

UL 61730 / IEC 61701 / IEC 62716

Take-e-way

CSISOLAR (USA) CO., LTD. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance-price ratio in the IHS Module Customer Insight Survey. Over the past 20 years, it has successfully delivered over 70 GW of premium-quality solar modules across the world.

ENGINEERING DRAWING (mm)



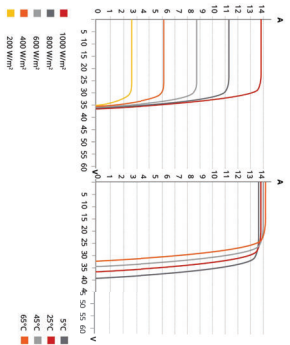
ELECTRICAL DATA | STC*

CS6R-380/385/390/395/400/405MS-HL	380 W	385 W	390 W	395 W	400 W	405 W
Nominal Max. Power (Pmax)	380 W	385 W	390 W	395 W	400 W	405 W
Opt. Operating Voltage (Vmp)	30.0 V	30.2 V	30.4 V	30.6 V	30.8 V	31.0 V
Opt. Operating Current (Imp)	12.69 A	12.77 A	12.84 A	12.91 A	12.99 A	13.07 A
Open Circuit Voltage (Voc)	36.0 V	36.2 V	36.4 V	36.6 V	36.8 V	37.0 V
Short Circuit Current (Isc)	13.55 A	13.63 A	13.70 A	13.77 A	13.85 A	13.93 A
Module Efficiency	19.5%	19.7%	20.0%	20.2%	20.5%	20.7%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1000V (IEC/UL)					
Module Fire Performance	TYPE 2 (UL 61720, 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ +10 W					
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m ² , spectrum AM 1.5 and cell temperature of 25°C.						

ELECTRICAL DATA | NMOT*

CS6R-380/385/390/395/400/405MS-HL	284 V	288 V	291 V	295 V	299 V	303 V
Nominal Max. Power (Pmax)	284 V	288 V	291 V	295 V	299 V	303 V
Opt. Operating Voltage (Vmp)	28.1 V	28.3 V	28.4 V	28.6 V	28.8 V	29.0 V
Opt. Operating Current (Imp)	10.12 A	10.19 A	10.26 A	10.33 A	10.39 A	10.45 A
Open Circuit Voltage (Voc)	33.9 V	34.1 V	34.2 V	34.4 V	34.6 V	34.7 V
Short Circuit Current (Isc)	10.91 A	10.98 A	11.05 A	11.11 A	11.17 A	11.23 A
* Under Nominal Module Operating Temperature (NMOT) of irradiance of 800 W/m ² , spectrum AM 1.5, ambient temperature 20°C, and wind speed 1 m/s.						

CS6R-400MS-HL / JV CURVES



MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	108 (2 X 6 X 6)
Dimensions	1722 x 1134 x 35 mm (67.8 x 44.6 x 1.38 in)
Weight	22.4 kg (49.4 lbs)
Front Cover	3.2 mm tempered glass with anti-refl. Acrylonitrile butadiene styrene
Frame	Anodized aluminum alloy
J-Box	IP65, 3 bypass diodes
Cable	4 mm ² (IEC), 12 AWG (UL)
Connector	T6, MC4, MC4-EVO2 or MCAEVO2A
Cable Length (including Connectors)	1550 mm (61.0 in) (+) / 1100 mm (43.3 in) (+)
Per Pallet	30 pieces
Per Container (40' HQ)	780 pieces
* For detailed information, please contact your local Canadian Solar sales and technical representatives.	

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 %/°C
Temperature Coefficient (Voc)	-0.26 %/°C
Temperature Coefficient (Isc)	0.02 %/°C
Nominal Module Operating Temperature	42 ± 3°C

PARTNER SECTION

* The specifications and key features contained in this database may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustment to the information described herein at any time without further notice. Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

CSI SOLAR (USA) CO., LTD.

Aug 2022 | All rights reserved | PV Module Product Datasheet v1.1 CS25_T23J1_NA



CURRENT HOME INC.
7100 WEST CORKLAND AVE. HEMET,
CA 92346
CSL B.# : (CV)57185 PHONE
NUMBER: 855-478-9091
WWW.CURRENTHOME.COM

CUSTOMER PROJECT ID : 7245

VERSION	DESCRIPTION	DATE	REV
	INITIAL RELEASE	09/12/2024	UR

PROJECT NAME

TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME

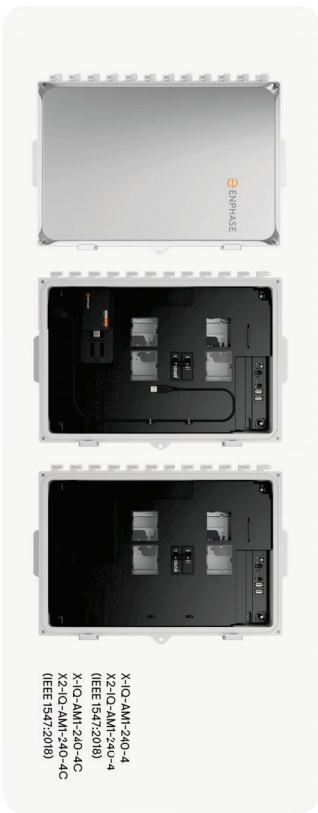
SPEC SHEETS

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

PV-6



IQ Combiner 4/4C

The Enphase IQ Combiner 4/4C with IQ Gateway and Integrated LTE-M cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure and streamlines IQ Microinverters and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and an Eaton BR series busbar assembly.



IQ Series Microinverters
The high-powered smart grid-ready IQ Series Microinverters (IQ6, IQ7 and IQ8 Series) dramatically simplify the installation process.



IQ Load Controller
All-in-one AC coupled storage system that is reliable, smart, simple, and safe. It provides backup capability, and installers can quickly design the right system size to meet the needs of both new and retrofit solar customers.



IQ System Controller 2
Provides microgrid interconnection device (MID) functionality by automatically detecting grid failures and seamlessly transitioning the home energy system from grid power to backup power.



Refer to the <https://enphase.com/files/resources/warranty> page for country specific warranty information.
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- Smart**
 - Includes IQ Gateway for communication and control
 - Includes a 4G LTE-M cellular modem (included only with IQ Combiner 4C)
 - Includes solar shield to match IQ Battery aesthetics and deflect heat
 - Flexible networking supports Wi-Fi, Ethernet, or cellular
 - Optional AC receptacle available for PLC bridge
 - Provides production metering and consumption monitoring
- Simple**
 - Centered mounting brackets support single stud mounting
 - Supports bottom, back and side conduit entry
 - Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
 - 80 A total PV or storage branch circuits
- Reliable**
 - Superior NEMA-3R-rated 179A 3R enclosure
 - Five-year limited warranty
 - Two-year labor reimbursement program coverage included for both the IQ Combiner and IQ Battery
 - UL Listed
 - X2-IO-AMI-240-4 and X2-IO-AMI-240-4C comply with IEEE 1547-2018 (UL 1741-SB, 3rd Ed.)

IQC-4-C-DSM-0007-1C-EN-2024-03-2

IQ Combiner 4/4C

MODEL NUMBER	UNITS	DESCRIPTION
IQ Combiner 4 X-IO-AMI-240-4; X2-IO-AMI-240-4	-	IQ Combiner 4 with an IQ Gateway printed circuit board for integrated revenue-grade PV production metering (X2-240-4) and consumption monitoring (-23%) includes a silver solar shield to match the IQ Battery and IQ System Controller 2 and IQ Gateway.
IQ Combiner 4C X-IO-AMI-240-4C; X2-IO-AMI-240-4C	-	IQ Combiner 4C with an IQ Gateway printed circuit board for integrated revenue-grade PV production metering (X2-240-4C) and consumption monitoring (-23%) includes Enphase Mobile Connect up to 60 microinverters. Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area. Includes a silver solar shield to match the IQ Battery and IQ System Controller 2 and to deflect heat.
WHAT'S IN THE BOX		
IQ Gateway printed circuit board	-	IQ Gateway is the platform for total energy management for comprehensive, remote maintenance, and management of the Enphase Energy System
Busbar	-	80 A busbar with support for 1 • IQ Gateway Breaker and 4 • 20 A breaker for installing IQ Series Microinverters and IQ Battery
IQ Gateway breaker	A	Circuit breaker, 2-pole, 10/15
Production CT	-	Pre-wired revenue-grade solid-core CT, accurate up to +/-0.5%
Consumption CT	-	Two consumption metering split-core or clamp-type CTs, shipped with the box, accurate up to +/-2.5%
Enphase Mobile Connect (only with IQ Combiner 4C)	-	4G-based LTE-M cellular modem (CELLMODEM-MI-06-SP-05) with a 5 year 1-tuple data plan
MICROINVERTERS, ACCESSORIES AND REPLACEMENT PARTS (not included, order separately)		
Supported microinverters	-	IQ6, IQ7, and IQ8. Do not mix IQ6/IQ7 Microinverters with IQ8
Enphase Communications Kit COMMS-KIT-01 and CELLMODEM-MI-06-SP-03 with 5-year Sprint data plan	-	- Includes COMMS-KIT-01 and CELLMODEM-MI-06-SP-03 with a 5-year Sprint data plan
4G-based LTE-M cellular modem with a 5-year AT&T data plan CELLMODEM-MI-06-SP-05	-	- 4G-based LTE-M cellular modem with a 5-year AT&T data plan
Circuit breakers (off-the-shelf)	-	Supports Eaton BR2xx, Siemens Q2xx and GE/ABB THQ21xx Series breakers (or may be 10, 15, 20, 30, 40, 50 or 60). Supports Eaton BR220B, BR230B and BR240B circuit breakers compatible with hold-down kit.
Circuit breakers (provided by Enphase)	-	BRK-10A-240V, BRK-15A-240V, BRK-20A-240V, BRK-30A-240V, BRK-40A-240V, BRK-50A-240V, BRK-60A-240V
XA-SQLASHIELD-ES	-	Replacement solar shield for IQ Combiner 4/4C
XA-EV2-PCBA-4	-	IQ Gateway replacement printed circuit board (PCB) for IQ Combiner 4/4C
XA-PLUG-120-3	-	Accessory/receptacle for power line carrier in IQ Combiner 4/4C (required for EFC-C-0)
X-IO-NH-ID-123A	-	Hold-down kit for Eaton circuit breaker with screws
ELECTRICAL SPECIFICATIONS		
Rating	A	80
System voltage and frequency	A	120/240 VAC, 60 Hz
Busbar rating	A	125
Fault current rating	A	10
Maximum continuous current rating (input from PV/storage)	A	64
Maximum fuse/circuit rating (output)	A	90
Branch circuit (wired and storage)	-	Up to four 2-pole Eaton BR, Siemens Q, or GE/ABB THQL Series distributed generation (DG) breakers only (not included)
Main run (or branch) circuit breaker rating (input)	A	80 A of distributed generation/95 A with IQ Gateway breaker included
IQ Gateway breaker	A	10 A or 15 A rating (GE/Siemens/Eaton included)
Production metering CT	A	200 A solid core pre-installed and wired to IQ Gateway
Consumption metering CT (CT-200-SP-LTC/CT-200-CL-AMP)	A	A pair of 200 A split-core or clamp-type current transformers

To learn more about Enphase offerings, visit enphase.com.

IQC-4-C-DSM-0007-1C-EN-2024-03-2



CURRENT HOME
7100 WEST GORDON AVE. HEMET,
CA 92345
CSL B# : CV57185 PHONE
NUMBER: 855-478-9091
www.currenthome.com

CUSTOMER PROJECT ID : 7245

VERSION	DESCRIPTION	DATE	REV
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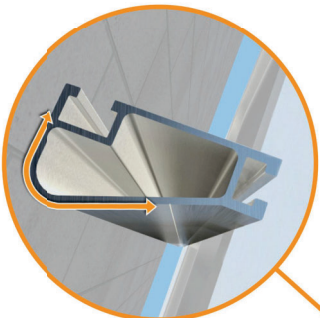
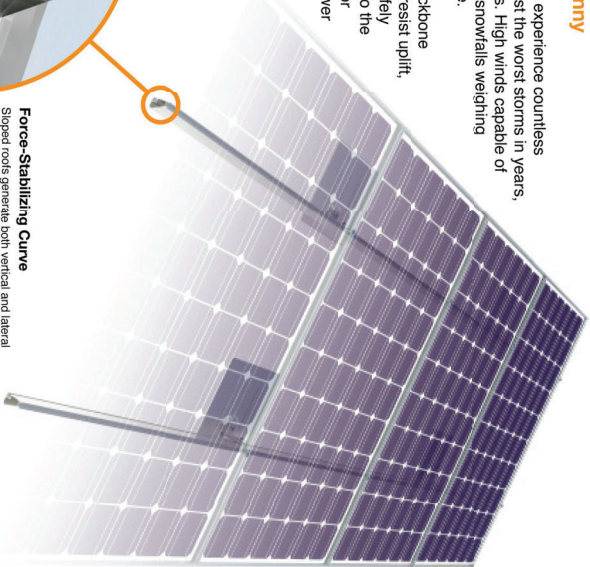
TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME
SPEC SHEETS
SHEET SIZE
ANSI B
11" X 17"
SHEET NUMBER
PV-8

Solar Is Not Always Sunny

Over their lifetime, solar panels experience countless extreme weather events. Not just the worst storms in years, but the worst storms in 40 years. High winds capable of ripping panels from a roof, and snowfalls weighing enough to buckle a panel frame.

XR Rails® are the structural backbone preventing these results. They resist uplift, protect against buckling and safely and efficiently transfer loads into the building structure. Their superior spanning capability requires fewer roof attachments, reducing the number of roof penetrations and the amount of installation time.

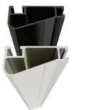


Force-Stabilizing Curve
Sloped roofs generate both vertical and lateral forces on mounting rails which can cause them to bend and twist. The curved shape of XR Rails® is specially designed to increase strength in both directions while resisting the twisting. This unique feature ensures greater security during extreme weather and a longer system lifetime.

Compatible with Flat & Pitched Roofs
XR Rails® are compatible with FlashProof® and other pitched roof attachments.

IronRidge® offers a range of full leg options for flat roof mounting applications.

Corrosion-Resistant Materials
All XR Rails® are made of 6000 series aluminum alloy. Then protected with an anodized finish. Anodizing prevents surface and structural corrosion, while also providing a more attractive appearance.



XR Rail® Family

The XR Rail® Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail® to match.



XR10

XR10 is a sleek, low-profile mounting rail, designed for regions with light or no snow. It achieves spans up to 6 feet, while remaining light and economical.

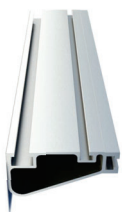
- 6' spanning capability
- Clear & black anodized finish
- Internal splices available



XR100

XR100 is the ultimate residential mounting rail. It supports a range of wind and snow conditions, while also maximizing spans up to 10 feet.

- 10' spanning capability
- Clear & black anodized finish
- Internal splices available



XR1000

XR1000 is a heavyweight among solar mounting rails. It's built to handle extreme climates and spans up to 12 feet for commercial applications.

- 12' spanning capability
- Clear & black anodized finish
- Internal splices available

Rail Selection

The table below was prepared in compliance with applicable engineering codes and standards. * Values are based on the following criteria: ASCE 7-16, Gable Roof Flush Mount, Roof Zones 1 & 2e, Exposure B, Roof Slope of 8 to 20 degrees and Mean Building Height of 30 ft. Visit IronRidge.com for detailed certification letters.

Load	Rail Span					
	4'	5'-4"	6'	8'	10'	12'
Snow (PSF)	90					
Wind (MPH)	120					
None	140	XR10	XR100	XR1000		
	160					
	90					
20	120					
	140					
	160					
30	90					
	160					
	90					
40	90					
	160					
	80					
80	160					
	160					
	120					

*Table is meant to be a simplified span chart for conveying general rail capabilities. Use approved certification letters for actual design guidance.



CURRENT HOME INC.
7100 WEST GORDON AVE HEMET,
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www.currenthome.com

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PROJECT NAME

TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME

SHEET NUMBER

SHEET SIZE

ANSI B
11" X 17"

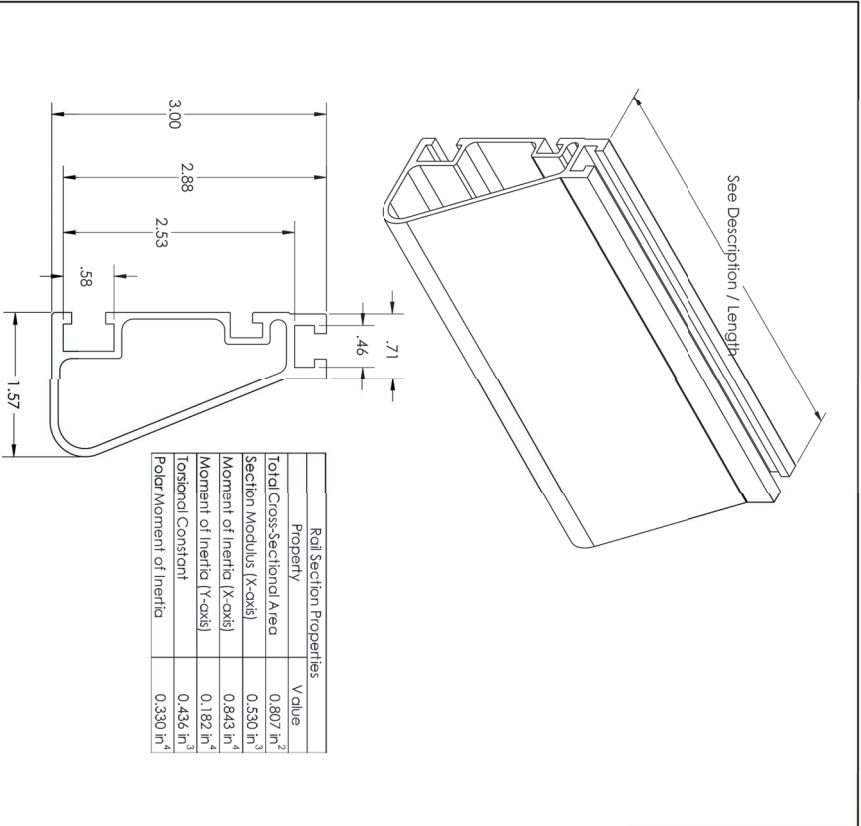
SHEET NUMBER

PV-9



XR1000® Rail

Cut Sheet



Clear Part Number	Block Part Number	Description / Length	Material	Weight
XR-1000-132A	XR-1000-132B	XR1000 Rail 132' (11 Feet)	6000-Series Aluminum	10.97 lbs.
XR-1000-168A	XR-1000-168B	XR1000 Rail 168' (14 Feet)	Aluminum	13.94 lbs.
XR-1000-204A	XR-1000-204B	XR1000 Rail 204' (17 Feet)		16.95 lbs.

V1.0



CURRENT HOME
7100 WEST FLORIDA AVE. HEMET,
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CSL B.# : CVCS7185 PHONE
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UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME
SPEC SHEETS

SHEET SIZE
ANSI B
11" X 17"
SHEET NUMBER
PV-10



Mount on all terrains, in no time.

The Ironridge Ground Mount System combines our XR1000 rails with locally-sourced steel pipes, or mechanical tubing, to create a cost-effective structure capable of handling any site or terrain challenge. Installation is simple with only a few structural components and no drilling, welding, or heavy machinery required. In addition, the system works with a variety of foundation options, including concrete piers and driven piles.

- Rugged Construction**
 Engineered steel and aluminum components ensure durability.
- Simple Assembly**
 Just a few simple components and no heavy equipment.
- Flexible Architecture**
 Multiple foundation and array configuration options.
- PE Certified**
 Pre-stamped engineering letters available in most states.
- Design Software**
 Online tool generates engineering values and bill of materials.
- 20 Year Warranty**
 Twice the protection offered by competitors.



360° Product Tour
 Visit ironridge.com

Substructure

Top Caps



Conical vertical and cross pipes.

Rail Connectors



Attach Rail Assembly to horizontal pipes.

Diagonal Braces



Optional Brace provides additional support.

Cross Pipe & Piers



Steel pipes or mechanical tubing for substructure.

Rail Assembly

XR1000 Rails



Curved rails increase spanning capabilities.

Top-Down Clamps



Secure modules to rails and substructure.

Under Clamps



Alternative clamps for pre-attaching modules to rails.

Accessories



Wire Clips and End Caps provide a finished look.

Resources



Design Assistant
 Go from rough layout to fully engineered system. For free. Go to ironridge.com/gm

NABCEP Certified Training
 Earn free continuing education credits, while learning more about our systems. Go to ironridge.com/training



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 LITHIA, FL 33547, USA
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 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

SHEET NAME
 SPEC SHEETS
 SHEET SIZE
 ANSI B
 11" X 17"
 SHEET NUMBER
 PV-11

Frequently Asked Questions

What is a "module type"?

The new UL-1703 standard introduces the concept of a PV module type, based on 4 construction parameters and 2 fire performance parameters. The purpose of this classification is to certify mounting systems without needing to test it with every module.

What roofing materials are covered?

All fire-rated roofing materials are covered within this certification including composition shingle, clay and cement tile, metal, and membrane roofs.

What if I have a Class C roof, but the jurisdiction now requires Class A or B?

Generally, older roofs will typically be "grandfathered in", and will not require re-roofing. However, if 50% or more of the roofing material is replaced for the solar installation the code requirement will be enforced.

Where is the new fire rating requirement code listed?

2012 IBC: 1509.7.2 Fire classification. Rooftop mounted photovoltaic systems shall have the same fire classification as the roof assembly required by Section 1505.

Where is a Class A Fire Rating required?

The general requirement for roofing systems in the IBC refers to a Class C fire rating. Class A or B is required for areas such as Wildland Urban Interface areas (WUI) and for very high fire severity areas. Many of these areas are found throughout the western United States. California has the most Class A and B roof fire rating requirements, due to wild fire concerns.

Are standard mid clamps covered?

Mid clamps and end clamps are considered part of the PV "system", and are covered in the certification.

More Resources

 **Installation Manuals**
Visit our website for manuals that include UL 2703 Listing and Fire Rating Classification.
Go to IronRidge.com

 **Engineering Certification Letters**
We offer complete engineering resources and pre-stamped certification letters.
Go to IronRidge.com

IRONRIDGE

Class A Fire Rating

Background

All roofing products are tested and classified for their ability to resist fire.

Recently, these fire resistance standards were expanded to include solar equipment as part of the roof system. Specifically, this requires the modules, mounting hardware and roof covering to be tested together as a system to ensure they achieve the same fire rating as the original roof covering.

These new requirements are being adopted throughout the country in 2016.

IronRidge Certification

IronRidge was the first company to receive a Class A Fire Rating—the highest possible rating—from Intertek Group Plc., a Nationally Recognized Testing Laboratory.

IronRidge Flush Mount and Tilt Mount Systems were tested on sloped and flat roofs in accordance with the new UL 1703 & UL 2703 test standards. The testing evaluated the system's ability to resist flame spread, burning material and structural damage to the roof.

Refer to the table below to determine the requirements for achieving a Class A Fire Rating on your next project.

System	Roof Slope	Module	Fire Rating*
Flush Mount 	Any Slope	Type 1, 2, & 3	Class A
Tilt Mount 	≤ 6 Degrees	Type 1, 2, & 3	Class A

*Class A rated PV systems can be installed on Class A, B, and C roofs.

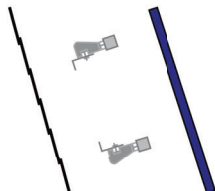
Fire Testing Process

Test Setup

Solar Modules are given a Type classification based on their materials and construction.

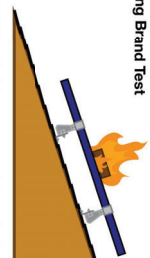
Mounting System is tested as part of a system that includes type-tested modules and fire-rated roof covering.

Roof Covering products are given a Fire Class Rating of A, B or C based on their tested fire resistance.



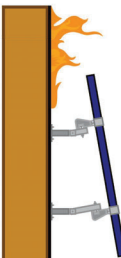
Burning Brand Test

A burning wooden block is placed on module as a fan blows at 12 mph. Flame cannot be seen on underside of roof within 90 minutes.



Spread of Flame Test

Flame at southern edge of roof is aimed up the roof as a fan blows at 12 mph. The flame cannot spread 6 feet or more in 10 minutes.



CURRENT HOME INC.
7100 WEST GORDON AVE. HEWLET,
CA 92256
CSL B.# : CV257185 PHONE
NUMBER: 955-478-9091
www.currenthome.com

CUSTOMER PROJECT ID : 7245

VERSION	DESCRIPTION	DATE	REV
	INITIAL RELEASE	09/31/2014	UR

PROJECT NAME

TERRANCE MURPHY
8501 LITHIA PINECREST RD,
LITHIA, FL 33547, USA
APN NO.: 223020ZZZ000005212200U
UTILITY: TECO
AHJ: HILLSBOROUGH COUNTY

SHEET NAME

SPEC SHEETS

SHEET SIZE

ANSI B
11" X 17"

SHEET NUMBER

PV-12



Starling Madison Lofquist, Inc.
Consulting Structural and Forensic Engineers

3600 E. University Dr. Suite 1400, Phoenix, Arizona 85034
 Tel: (602) 438-2500 fax: (602) 438-2505 ROC#291316 www.smleng.com

IronRidge
 28357 Industrial Boulevard
 Hayward, CA 94545

July 19, 2023
 Page 1 of 76

Attn: Mr. Sean McDonald, CEO, IronRidge Inc.

Subject: Ground Mounting System – Structural Analysis – 4 Module (XR1000)

Dear Sir:

We have analyzed the subject ground mounted structure and determined that it is in compliance with the applicable sections of the following Reference Documents:

- Codes: ASCE/SEI 7-16 Min. Design Loads for Buildings & Other Structures
- California Building Code, 2022 Edition
- Other: AC428, Acceptance Criteria for Modular Framing Systems Used to Support PV Modules, dated Effective November 1, 2012 by ICC-ES
- Aluminum Design Manual, 2020 Edition
- IronRidge Exhibit EX-0001

The structure is a simple column (pier) and beam (cross pipe) system. The piers & cross pipes are ASTM A53 Grade B standard weight (schedule 40) steel pipes or Allied Mechanical Tubing. Please refer to Exhibit EX-0001 for approved pipe geometry and material properties. The tops of the piers are connected in the E-W direction by the cross pipes which cantilever over and extend past the end piers. The cross pipes are connected by proprietary IronRidge XR1000 Rails spanning up and down the slope, which cantilever over and extend past the top and bottom cross pipes. There are typically two rails per column of modules. The modules are clamped to the rails by the IronRidge Module Mounting Clamps as shown in the attached Exhibit.

Gravity loads are transferred to the piers and foundations by the rails and cross pipes acting as simple beams. For lateral loads the system is either a cantilever structure or, when diagonal braces are provided, a braced frame. The effect of seismic loads (for all design categories A-F) have been determined to be less than the effect due to wind loads in all load conditions and combinations.

The pier spacing in the N-S direction is 7'-6". The pier spacing in the E-W direction is selected from load tables determined by the structural design for the specified slope, wind load, and snow load. The governing criteria for the pier spacing is either the spanning capacity of the cross pipes or the cantilever capacity of the pier. Simplified Load Tables 1A-R & 2A-R are included herein for reference.

More comprehensive information covering all load combinations is available at the IronRidge website, IronRidge.com.

Starling Madison Lofquist, Inc.

Consulting Structural and Forensic Engineers

IronRidge
 Mr. Sean McDonald
 Ground Mounting System – Structural Analysis – 4 Module (XR1000)

July 19, 2023
 Page 3 of 76

Table 1B - MAXIMUM PIER SPACING (in)
(APPLICABLE TO PANELS UP TO 80in)

Z' Unbraced Pipe Frame Wind Speed & Exposure Category	Snow psf	Slope (deg)											
		0	5	10	15	20	25	30	35	40	45		
90 mph Exposure C	0	131	135	116	107	113	107	76	56	47	40	34	28
	10	114	116	107	105	103	103	76	56	47	40	34	28
	20	81	83	82	82	82	82	76	56	47	40	34	28
	30	66	68	68	68	68	68	76	56	47	40	34	28
	40	83	84	84	84	84	84	76	56	47	40	34	28
95 mph Exposure C	0	115	120	102	102	108	108	68	50	42	36	31	26
	10	107	108	99	96	96	81	56	41	35	30	25	
	20	96	97	91	91	90	90	68	50	42	36	31	26
	30	80	83	83	82	82	82	76	56	47	40	34	28
	40	75	75	74	74	74	74	68	50	42	36	31	26
100 mph Exposure C	0	123	124	103	103	103	89	62	45	38	33	28	
	10	112	115	98	96	96	74	51	38	32	27	23	
	20	94	95	89	88	88	88	62	46	38	33	28	
	30	88	89	84	83	84	84	62	46	38	33	28	
	40	81	82	78	77	78	78	62	46	38	33	28	
105 mph Exposure C	0	107	108	89	86	81	81	56	41	35	30	25	
	10	104	104	81	81	80	80	62	43	32	27	23	
	20	82	88	82	82	82	82	62	43	32	27	23	
	30	80	81	76	76	76	76	56	41	35	30	25	
	40	80	81	76	76	76	76	56	41	35	30	25	
110 mph Exposure C	0	104	107	91	88	82	82	43	32	27	23	19	
	10	104	105	85	84	74	74	51	38	32	27	23	
	20	79	80	75	74	74	74	51	38	32	27	23	
	30	79	80	75	74	74	74	51	38	32	27	23	
	40	79	80	75	74	74	74	51	38	32	27	23	
120 mph Exposure C	0	104	107	91	88	82	82	43	32	27	23	19	
	10	81	88	81	80	80	80	62	43	32	27	23	
	20	81	88	81	80	80	80	62	43	32	27	23	
	30	83	84	78	77	72	62	43	32	27	23	19	
	40	77	78	74	72	72	62	43	32	27	23	19	
130 mph Exposure C	0	107	108	89	86	81	81	56	41	35	30	25	
	10	107	108	89	86	81	81	56	41	35	30	25	
	20	84	88	78	77	77	77	53	37	27	23	19	
	30	80	81	74	74	68	68	53	37	27	23	19	
	40	77	78	74	72	72	62	43	32	27	23	19	
140 mph Exposure C	0	91	94	79	72	72	72	46	32	23	20	17	
	10	80	82	74	72	72	72	46	32	23	20	17	
	20	72	73	68	67	67	67	46	32	23	20	17	
	30	77	79	74	72	70	70	46	32	23	20	17	
	40	74	75	71	68	68	68	46	32	23	20	17	
150 mph Exposure C	0	85	88	74	63	63	63	40	27	20	17	14	
	10	85	88	74	63	63	63	40	27	20	17	14	
	20	78	80	71	63	63	63	40	27	20	17	14	
	30	75	78	69	63	63	63	40	27	20	17	14	
	40	81	84	74	65	65	65	40	27	20	17	14	
160 mph Exposure C	0	81	84	71	55	55	55	24	18	15	13	11	
	10	81	84	71	55	55	55	24	18	15	13	11	
	20	75	77	68	55	55	55	24	18	15	13	11	
	30	75	77	68	55	55	55	24	18	15	13	11	
	40	66	69	63	55	55	55	24	18	15	13	11	

Notes: see page 38

Starling Madison Lofquist, Inc.

Consulting Structural and Forensic Engineers



CURRENT HOME
 7100 WEST CORDONA AVE HEMET,
 CA 92346
 CSL B.N. : CVCS7185 PHONE
 NUMBER: 855-478-0091
 www.currenthome.com

CUSTOMER PROJECT ID : 7245

VERSION	DATE	REV
DESCRIPTION		
INITIAL RELEASE	06/31/2024	UR

PROJECT NAME

TERRACE MURPHY
 8501 LITHIA PINECREST RD,
 LITHIA, FL 33547, USA
 APN NO.: 223020ZZZ000005212200U
 UTILITY: TECO
 AHJ: HILLSBOROUGH COUNTY

SHEET NAME

SPEC SHEETS

SHEET SIZE

ANSI B
 11" X 17"

SHEET NUMBER

PV-13

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**Hillsborough
County Florida**
Development Services

Additional / Revised Information Sheet

Office Use Only		
Application Number: VAR 24-1192	Received Date:	Received By:

The following form is required when submitted changes for any application that was previously submitted. A cover letter must be submitted providing a summary of the changes and/or additional information provided. If there is a change in project size the cover letter must list any new folio number(s) added. Additionally, **the second page of this form must be included indicating the additional/revised documents being submitted with this form.**

Application Number: VAR 24-1192 Applicant's Name: Jarrold J. Fisk

Reviewing Planner's Name: Orlando Borrás Date: 10/29/2024

Application Type:

- Planned Development (PD) Minor Modification/Personal Appearance (PRS) Standard Rezoning (RZ)
- Variance (VAR) Development of Regional Impact (DRI) Major Modification (MM)
- Special Use (SU) Conditional Use (CU) Other _____

Current Hearing Date (if applicable): 11/20/2024

Important Project Size Change Information

Changes to project size may result in a new hearing date as all reviews will be subject to the established cut-off dates.

Will this revision add land to the project? Yes No
If "Yes" is checked on the above please ensure you include all items marked with * on the last page.

Will this revision remove land from the project? Yes No
If "Yes" is checked on the above please ensure you include all items marked with * on the last page.

Email this form along with all submittal items indicated on the next page in pdf form to:
ZoningIntake-DSD@hcflgov.net

Files must be in pdf format and minimum resolution of 300 dpi. Each item should be submitted as a separate file titled according to its contents. All items should be submitted in one email with application number (including prefix) included on the subject line. Maximum attachment(s) size is 15 MB.

For additional help and submittal questions, please call (813) 277-1633 or email ZoningIntake-DSD@hcflgov.net.

I certify that changes described above are the only changes that have been made to the submission. Any further changes will require an additional submission and certification.

Signature

10/29/24
Date



**Hillsborough
County Florida**
Development Services

Identification of Sensitive/Protected Information and Acknowledgement of Public Records

Pursuant to [Chapter 119 Florida Statutes](#), all information submitted to Development Services is considered public record and open to inspection by the public. Certain information may be considered sensitive or protected information which may be excluded from this provision. Sensitive/protected information may include, but is not limited to, documents such as medical records, income tax returns, death certificates, bank statements, and documents containing social security numbers.

While all efforts will be taken to ensure the security of protected information, certain specified information, such as addresses of exempt parcels, may need to be disclosed as part of the public hearing process for select applications. If your application requires a public hearing and contains sensitive/protected information, please contact [Hillsborough County Development Services](#) to determine what information will need to be disclosed as part of the public hearing process.

Additionally, parcels exempt under [Florida Statutes §119.071\(4\)](#) will need to contact [Hillsborough County Development Services](#) to obtain a release of exempt parcel information.

Are you seeking an exemption from public disclosure of selected information submitted with your application pursuant to Chapter 119 FS? Yes No

VAR 24-1192

I hereby confirm that the material submitted with application _____


Includes sensitive and/or protected information.

Type of information included and location _____

Does not include sensitive and/or protected information.

Please note: Sensitive/protected information will not be accepted/requested unless it is required for the processing of the application.

If an exemption is being sought, the request will be reviewed to determine if the applicant can be processed with the data being held from public view. Also, by signing this form I acknowledge that any and all information in the submittal will become public information if not required by law to be protected.

Signature: 
(Must be signed by applicant or authorized representative)

Intake Staff Signature: _____ Date: _____



**Hillsborough
County Florida**
Development Services

Additional / Revised Information Sheet

Please indicate below which revised/additional items are being submitted with this form.

Included	Submittal Item
1	<input type="checkbox"/> Cover Letter** If adding or removing land from the project site, the final list of folios must be included
2	<input type="checkbox"/> Revised Application Form**
3	<input type="checkbox"/> Copy of Current Deed* Must be provided for any new folio(s) being added
4	<input checked="" type="checkbox"/> Affidavit to Authorize Agent* (If Applicable) Must be provided for any new folio(s) being added
5	<input type="checkbox"/> Sunbiz Form* (If Applicable) Must be provided for any new folio(s) being added
6	<input checked="" type="checkbox"/> Property Information Sheet**
7	<input type="checkbox"/> Legal Description of the Subject Site**
8	<input type="checkbox"/> Close Proximity Property Owners List**
9	<input type="checkbox"/> Site Plan** All changes on the site plan must be listed in detail in the Cover Letter.
10	<input type="checkbox"/> Survey
11	<input type="checkbox"/> Wet Zone Survey
12	<input type="checkbox"/> General Development Plan
13	<input type="checkbox"/> Project Description/Written Statement
14	<input type="checkbox"/> Design Exception and Administrative Variance requests/approvals
15	<input type="checkbox"/> Variance Criteria Response
16	<input type="checkbox"/> Copy of Code Enforcement or Building Violation
17	<input type="checkbox"/> Transportation Analysis
18	<input type="checkbox"/> Sign-off form
19	<input checked="" type="checkbox"/> Other Documents (please describe): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Narrative Property/ Applicant / Owner Information Form </div>

*Revised documents required when adding land to the project site. Other revised documents may be requested by the planner reviewing the application.

+Required documents required when removing land from the project site. Other revised documents may be requested by the planner reviewing the application.

We are Current Home, Inc., a solar company operating in Florida. We received a request to install a ground-mounted solar system at the referenced property.

We submitted our application through the Hillsborough County Building Department portal and received an automatic approval for the installation permit (Permit Number: HC-BTR-24-0210278), which is a residential electrical trade permit. After completing the installation, we called for the required inspections and were notified that the wrong type of permit had been submitted. We were informed that a Residential Miscellaneous Permit needed to be applied for instead.

Upon submitting the correct permit, assigned Permit Number: HC-BLD-24-0061910, we encountered an issue regarding zoning compliance. The parcel is located in zoning district AS-1, which requires a front setback of 50 feet. According to Section 6.01.03.I.11 of the Land Development Code (LDC), ground-mounted solar panels may not project into the required front yard. We were advised to contact a zoning counselor for further assistance.

After consulting with the zoning counselor, we learned that if we cannot adjust the placement to meet the required setbacks—at least 44 feet from the front property line and 15 feet from the side property lines—we would need to apply for a variance.

The property contains several mature trees within the requested 44 feet. These trees cast significant shadows, which would limit the solar energy production necessary to effectively power the residence. Removing a considerable number of these trees would also impede the conservation of natural resources. Therefore, we recommend installing the solar system in a manner that avoids impacting the area where the trees are located.

The proposed installation is positioned 152 feet from the front of the house, with a height of 25 feet. This arrangement results in a variance of 102 feet from the required front yard setback, ultimately establishing a front yard of 108 feet.



Variance Criteria Response

1. Explain how the alleged hardships or practical difficulties are unique and singular to the subject property and are not those suffered in common with other property similarly located?

The Solar system needs to be placed in a area where the full sunlight will power the system with not shades, and a roof mounted solar system can not be placed due to the fact that lots of trees are located around the residence, and to avoid the large shaded trees which would have affected the production tremendously we project the system to be mounted in the ground

2. Describe how the literal requirements of the Land Development Code (LDC) would deprive you of rights commonly enjoyed by other properties in the same district and area under the terms of the LDC.

The use of natural clean resource without having to cut or remove the trees around the house, those trees improve and maintain the quality of water, soil and air and to to remove pollutants from the air is well known. Trees also provide also provide shade and help lower temperature during summer and hot weather, that can also be enjoy for other properties

3. Explain how the variance, if allowed, will not substantially interfere with or injure the rights of others whose property would be affected by allowance of the variance.

This ground mounted solar system will no interfere or injure others, it is located within the property limits, and it is also consider clean and green energy, and in the case of a outage we can also help others giving a little bit of energy and encorage the homeowners next to the property to use clean and natural energy

4. Explain how the variance is in harmony with and serves the general intent and purpose of the LDC and the Comprehensive Plan (refer to Section 1.02.02 and 1.02.03 of the LDC for description of intent/purpose).

It is in armony with the use of natural resources, the use of clean or green energy reduces the greenhouses gas emissions and also this variance helps and it's according to the preservation of tress and other vegetation

5. Explain how the situation sought to be relieved by the variance does not result from an illegal act or result from the actions of the applicant, resulting in a self-imposed hardship.

It is not an illegal act if we want to approach the use of the available piece of land to install the solar system, avoiding the removal of a lot of elderly trees located around the house helping to preserve trees and vegetation by installing the solar system on the roof.

6. Explain how allowing the variance will result in substantial justice being done, considering both the public benefits intended to be secured by the LDC and the individual hardships that will be suffered by a failure to grant a variance.

The solar system is located where it will receive the source of clean energy substantially, allowing the use of it. and also preserve a lot of trees.

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Prepared by:
Strategic Title, LLC
Morgan Launikitis
6320 South Dale Mabry Hwy
Tampa, FL 33611
File No.: RDL18-49789
This Deed is prepared pursuant to the issuance of Title Insurance

GENERAL WARRANTY DEED

Made this July 25, 2018, A.D. by Jose Ariel Contreras, a married man, whose address is: 2103 Johns Creek Circle, Johns Creek, GA 30097 hereinafter called the grantor, to Selina B. Murphy and Terry Murphy, Jr, wife and husband, whose post office address is: 8501 Lithia Pinecrest Rd, Valrico, FL 33594, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Hillsborough County, Florida, viz:

The West 1/4 of the NW 1/4 of the SW 1/4 of the SW 1/4 of Section 20, Township 30 South, Range 22 East, Hillsborough County, Florida, together with a perpetual non-exclusive easement for ingress and egress over and across the West 20 feet of the West 1/4 of the SW 1/4 of the SW 1/4 of the SW 1/4 of the Section 20, LESS right of way for S.R. 640.

Parcel ID No.: 093635-0200

Subject to all reservations, covenants, conditions, restrictions and easements of record and to all applicable zoning ordinances and/or restrictions imposed by governmental authorities, if any.

Said property is not the homestead of the Grantor(s) under the laws and constitution of the State of Florida in that neither Grantor(s) or any members of the household of Grantor(s) reside thereon.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2017.

Prepared by:
Strategic Title, LLC
Morgan Launikitis
6320 South Dale Mabry Hwy
Tampa, FL 33611
incidental to the issuance of a title insurance policy
File No.: RDL18-49789

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed and Sealed in Our Presence:

[Signature]

Witness Printed Name: Samantha Pasell

[Signature]

Jose Ariel Contreras

[Signature]

Witness Printed Name: Stephan McIntosh

Address: 2103 Johns creek circle
Johns creek, Ga 30097

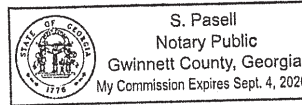
8712418
State of ~~Florida~~ Georgia
County of ~~Hillsborough~~ Fulton
8712418

The foregoing instrument was acknowledged before me this 25th of July, 2018, by Jose Ariel Contreras, a married man, ~~who is/are personally known to me or~~ who has produced a valid driver's license as identification.

[Signature]
Notary Public, S. Pasell

My Commission Expires: 09/04/2022

(SEAL)





**Hillsborough
County Florida**
Development Services

Additional / Revised Information Sheet

Office Use Only		
Application Number: VAR 24-1192	Received Date:	Received By:

The following form is required when submitted changes for any application that was previously submitted. A cover letter must be submitted providing a summary of the changes and/or additional information provided. If there is a change in project size the cover letter must list any new folio number(s) added. Additionally, **the second page of this form must be included indicating the additional/revised documents being submitted with this form.**

Application Number: VAR 24-1192 Applicant's Name: Jarrold J. Fisk

Reviewing Planner's Name: Orlando Borrás Date: 10/29/2024

Application Type:

- Planned Development (PD) Minor Modification/Personal Appearance (PRS) Standard Rezoning (RZ)
- Variance (VAR) Development of Regional Impact (DRI) Major Modification (MM)
- Special Use (SU) Conditional Use (CU) Other _____

Current Hearing Date (if applicable): 11/20/2024

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Signature

10/29/24
Date



**Hillsborough
County Florida**
Development Services

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While all efforts will be taken to ensure the security of protected information, certain specified information, such as addresses of exempt parcels, may need to be disclosed as part of the public hearing process for select applications. If your application requires a public hearing and contains sensitive/protected information, please contact [Hillsborough County Development Services](#) to determine what information will need to be disclosed as part of the public hearing process.

Additionally, parcels exempt under [Florida Statutes §119.071\(4\)](#) will need to contact [Hillsborough County Development Services](#) to obtain a release of exempt parcel information.

Are you seeking an exemption from public disclosure of selected information submitted with your application pursuant to Chapter 119 FS? Yes No

VAR 24-1192

I hereby confirm that the material submitted with application _____


Includes sensitive and/or protected information.

Type of information included and location _____

Does not include sensitive and/or protected information.

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Signature: 
(Must be signed by applicant or authorized representative)

Intake Staff Signature: _____ Date: _____



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2	<input type="checkbox"/> Revised Application Form**
3	<input type="checkbox"/> Copy of Current Deed* Must be provided for any new folio(s) being added
4	<input checked="" type="checkbox"/> Affidavit to Authorize Agent* (If Applicable) Must be provided for any new folio(s) being added
5	<input type="checkbox"/> Sunbiz Form* (If Applicable) Must be provided for any new folio(s) being added
6	<input checked="" type="checkbox"/> Property Information Sheet**
7	<input type="checkbox"/> Legal Description of the Subject Site**
8	<input type="checkbox"/> Close Proximity Property Owners List**
9	<input type="checkbox"/> Site Plan** All changes on the site plan must be listed in detail in the Cover Letter.
10	<input type="checkbox"/> Survey
11	<input type="checkbox"/> Wet Zone Survey
12	<input type="checkbox"/> General Development Plan
13	<input type="checkbox"/> Project Description/Written Statement
14	<input type="checkbox"/> Design Exception and Administrative Variance requests/approvals
15	<input type="checkbox"/> Variance Criteria Response
16	<input type="checkbox"/> Copy of Code Enforcement or Building Violation
17	<input type="checkbox"/> Transportation Analysis
18	<input type="checkbox"/> Sign-off form
19	<input checked="" type="checkbox"/> Other Documents (please describe): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"><p>Narrative Property/ Applicant / Owner Information Form</p></div>

*Revised documents required when adding land to the project site. Other revised documents may be requested by the planner reviewing the application.

**Required documents required when removing land from the project site. Other revised documents may be requested by the planner reviewing the application.



**Hillsborough
County Florida**
Development Services

Property/Applicant/Owner Information Form

Official Use Only

Application No: _____ Intake Date: _____
Hearing(s) and type: Date: _____ Type: _____ Receipt Number: _____
Date: _____ Type: _____ Intake Staff Signature: _____

Property Information

Address: 8501 LITHIA PINECREST RD City/State/Zip: LITHIA, FL 33547
TWN-RN-SEC: 20-30-22 Folio(s): 93635.0200 Zoning: AS-1 Future Land Use: R-1 Property Size: 2.56

Property Owner Information

Name: MURPHY SELINA B MURPHY TERRY JR Daytime Phone 813-758-5154
Address: 8501 LITHIA PINECREST RD City/State/Zip: LITHIA, FL 33547
Email: the4murphys@verizon.net Fax Number _____

Applicant Information

Name: Jarrold J. Fisk Daytime Phone 714-497-5080
Address: 189 S Orange Ave suite 1530B City/State/Zip: Orlando FL 32801
Email: jarrod.fisk@currenthome.com Fax Number _____

Applicant's Representative (if different than above)

Name: Karina Parra Daytime Phone 321-209-0558
Address: 8600 Commodity Circle Suite 156 City/State/Zip: Orlando FL 32819
Email: karina.parra@currenthome.com Fax Number _____

I hereby swear or affirm that all the information provided in the submitted application packet is true and accurate, to the best of my knowledge, and authorize the representative listed above to act on my behalf on this application.

Signature of the Applicant

Jarrold Fisk

Type or print name

I hereby authorize the processing of this application and recognize that the final action taken on this petition shall be binding to the property as well as to the current and any future owners.

Signature of the Owner(s) - (All parties on the deed must sign)

Terrance Murphy

Selina B Murphy

Type or print name