

SYSTEM SIZE:- 28 x 430W = 12.040 kWDC  
 SYSTEM SIZE:- 28 x 349W = 9.772 kWAC

ADD24740  
 Not Required  
 BESQCP  
 12/18/2024 10:29:34 AM  
 Jdyounger  
 EPC Planning & Community  
 Development Department

APPROVED  
 Plan Review  
 12/18/2024 10:29:41 AM  
 Jdyounger  
 EPC Planning & Community  
 Development Department



It is the owner's responsibility to coordinate with easement holders to avoid impact to utilities that may be located in the easements.

ANY APPROVAL GIVEN BY EL PASO COUNTY DOES NOT OBLIVATE THE NEED TO COMPLY WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAWS AND/OR REGULATIONS.

An access permit must be obtained by the Planning & Community Development Department approved in accordance with applicable rules on the recorded plat.

Conservation of discharge of any drainage may be not permitted without approval of the Planning & Community Development Department.

**PROUD AMERICAN ELECTRICAL & SOLAR**  
 PROUD AMERICAN ELECTRICAL INC  
 COLORADO SPRINGS,  
 CO 80909, USA  
 TEL: (719) 360-4986  
 LICENSE NUMBER: EC.0102307  
 Email : jesse.berkshire@proudamericansolar.com

VERSION		
DESCRIPTION	DATE	REV
INITIAL RELEASE	10/30/2024	UR

N/A  
 12/18/2024 9:17:04 AM  
 REGIONAL Building Department  
 sierrac  
 CONSTRUCTION UNDER 7 FT

PROJECT NAME  
 BOLLER  
 5406 S CALHAN HWY,  
 CALHAN, CO 80808 USA  
 UTILITY: MOUNTAIN VIEW ELECTRIC  
 ASSOCIATION  
 APN : 1300000581  
 AHJ: EL PASO COUNTY

LEGEND	
VLLD#2	30A NON-FUSED VISIBLE LOCKABLE DISCONNECT SWITCH
UM	UTILITY METER
MSP	MAIN SERVICE PANEL
CB	ENPHASE IQ COMBINER BOX 5
VLLD#1	60A NON-FUSED VISIBLE LOCKABLE DISCONNECT SWITCH
ESC	ENPHASE SYSTEM CONTROLLER
BAT	ENPHASE BATTERY
---	PROPERTY LINE
—○—	FENCE
—	CONDUIT
	TRENCH
○ □	VENT, ATTIC FAN (ROOF OBSTRUCTION)

NOTE: • 3/4" OR GREATER IMC, RMC, FMC, LFMC, PVC, HDPE, NUCC, RTRC, LFNC, FMT, ENT OR EMT CONDUIT RUN EXPOSED CONDUIT RUN SHALL BE MIN. 7/8" ABOVE ROOF. \* ROMEX RUN INSIDE ATTIC

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

**1 SITE PLAN WITH GROUND MOUNT PLAN**

SCALE: 1/128" = 1'-0"



SHEET NAME  
 SITE PLAN WITH GROUND MOUNT PLAN

SHEET SIZE  
 ANSI B  
 11" X 17"

SHEET NUMBER  
 PV-1

**MODULE TYPE, DIMENSIONS & WEIGHT**

NUMBER OF MODULES = 28 MODULES  
 MODULE TYPE = QCELLS Q.TRON BLK M-G2+ (430W) MODULES  
 MODULE WEIGHT = 46.7 LBS / 21.2 KG.  
 MODULE DIMENSIONS = 67.8"X 44.6" = 21.00 SF  
 UNIT WEIGHT OF ARRAY = 2.22 PSF

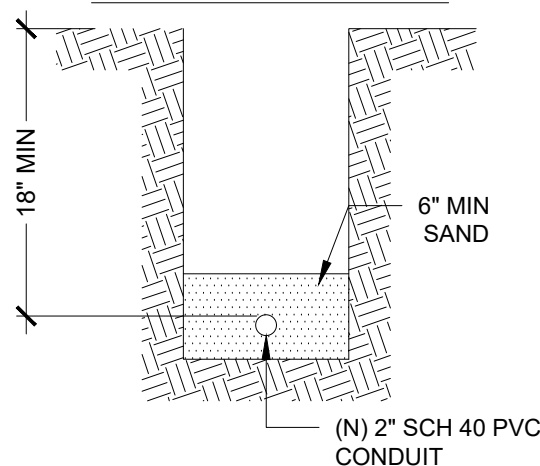
N/A  
 12/18/2024 9:16:38 AM  
 REGIONAL Building Department  
 sierrac  
**CONSTRUCTION UNDER 7 FT**

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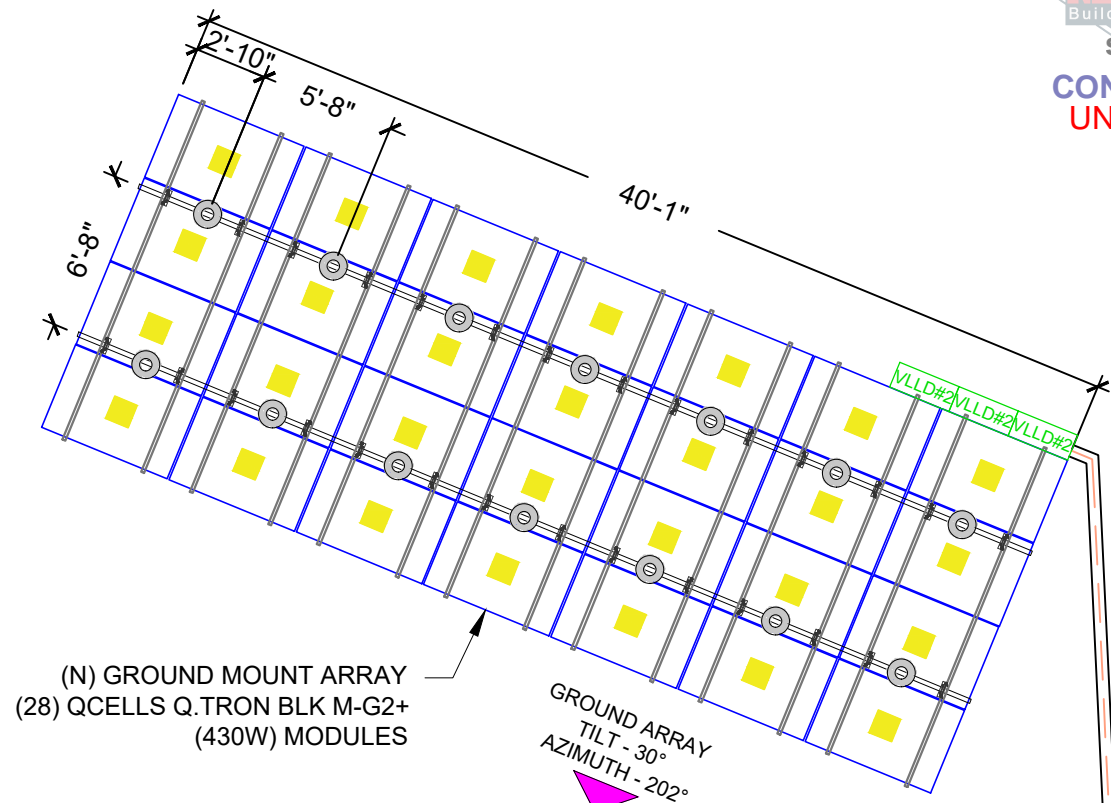
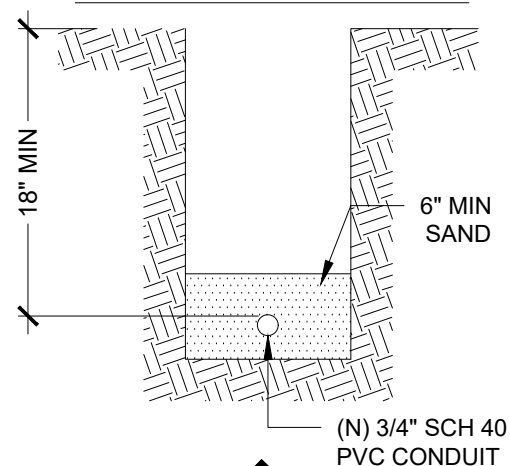
BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
GROUND SCREW	14	GROUND SCREW, 80" WITH SET SCREW
FRONT PIPE	7	PIPE -20-60, FRONT PIPE, HSS, 2", 60"
REAR PIPE	7	PIPE -20-120, REAR PIPE, HSS, 2", 120"
PIPE BEAM	10	PIPE-25-112 PIPE, HSS, 2.5", 112"
BRACE TUBE	9	BRACE, HSS, TUBE, 92"
RAIL	14	SMR300 RAIL, 212", MILL FINISH
PIPE U-CLAMP KIT	28	K10343-005, 2.5" PIPE U-CLAMP KIT
PIPE CAP	14	PIPE CAP, 2.5"
PIPE CLAMP	16	PIPE CLAMP, 2"
PIPE CLAMP	2	PIPE CLAMP, 2.5"
PIPE SPLICE	8	PIPE SPLICE, 2.5"
MID CLAMP	42	MID CLAMP, SMR POP-ON SILVER
END CLAMP	28	END CLAMP, SMR POP-ON, SILVER
GROUND LUG	1	SMR GROUND LUG
MLPE SMR	28	MLPE MOUNT, SMR
RAIL END CAP	28	RAIL END CAP, SMR300 GRAY

GROUND ARRAY DESCRIPTION			
ARRAY	# OF MODULES	TILT	AZIMUTH
#1	28	30°	202°

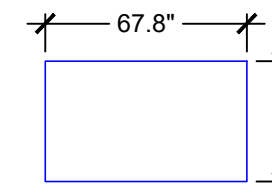
~5'-0" TRENCH DETAIL



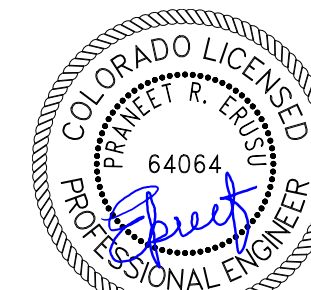
~36'-11" TRENCH DETAIL



PHOTOVOLTAIC MODULES  
 QCELLS Q.TRON BLK M-G2+ (430W)



LOAD TEST VALUES ONLY



12 Dec 2024  
 EXP : 31 Oct 2025

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MSP	MAIN SERVICE PANEL
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BAT	ENPHASE BATTERY
—	CONDUIT
—	TRENCH
⊙	PIERS
—	RAIL
—	RAIL CONNECTER
—	CROSS PIPE
■	MICRO INVERTERS

PROJECT NAME

BOLLER  
 5406 S CALHAN HWY,  
 CALHAN, CO 80808 USA  
 UTILITY: MOUNTAIN VIEW ELECTRIC  
 ASSOCIATION  
 APN : 1300000581  
 AHJ: EL PASO COUNTY

SHEET NAME

GROUND PLAN WITH  
 MODULES

SHEET SIZE  
 ANSI B  
 11" X 17"

SHEET NUMBER

PV-2

**1 GROUND PLAN WITH MODULES**

SCALE: 1/8" = 1'-0"



S CALHAN HWY  
 FRONT YARD

(N) TRENCH ~36'-11"  
 (N) 3/4" SCH 40/80 PVC CONDUIT

(E) POLE

(N) TRENCH ~5'-0"  
 (N) 2" SCH 40/80 PVC CONDUIT

(N) SHED

# RESIDENTIAL



2023 PPRBC  
IECC: N/A

Parcel: 1300000581

Address: 5406 S CALHAN HWY, CALHAN

Plan Track #: 197042 

Received: 16-Dec-2024 (QUINTONW)

## Description:

**PV SOLAR W/ESS GROUND MOUNT UP TO  
7FT**

Contractor: PROUD AMERICAN ELECTRICAL INC

Type of Unit:

## Required PPRBD Departments (3)

**Floodplain**  
  
(N/A) RBD GIS

**Construction**  
**N/A**  
12/18/2024 9:16:32 AM  
Fikes Peak  
**REGIONAL**  
Building Department  
sierrac  
**CONSTRUCTION**

**Electrical**

## Required Outside Departments (1)

**County Zoning**  
  
**APPROVED**  
**Plan Review**  
12/18/2024 10:30:31 AM  
dsdyounger  
EPC Planning & Community  
Development Department

Release of this plan does not preclude compliance with all applicable codes, ordinances and other pertinent regulations. This plan set must be present on the job site for every inspection.