

**TOWN OF PLAINFIELD
ZONING AND BUILDING PERMIT
APPLICATION**



pd 50 04 2/19

Property Owner:

Name: SETH NELSON / CARA LALIBERTY Phone: 603 675 2306

Street: 455 FREEMAN RD Email: FOREVER FRIENDS 1@LIVE.COM

City State Zip: PLAINFIELD NH 03781

Project: **Permit Type:** (Check one) Building Zoning

Street Address: 455 FREEMAN RD

Tax Map: 38 AND 39 Lot Number: 1 Lot Acreage: 7.2+- Zoning District: RC1

Proposed project distances to property lines (in feet): Front: 60 Rear: 260 Side: 170 Side: 130

State Approved Septic Design #: Driveway Permit #:

Please provide a written description of the project including appropriate dimensions:

6 KW GROUND MOUNT SOLAR ARRAY W/ 16 375W PANELS. TOTAL AREA 14'W X 28' L X 15' H ± 6 3" SCH 80 OR STRUCTURAL TUBE PIPES SET IN 24" X 60" CONCRETE PILING-S.

Contractor Information:

Builder:	Electrician:	Plumber:
Name: <u>SETH NELSON</u>	Name: <u>SETH NELSON</u>	Name: <u> </u>
Phone: <u>603 675 2306</u>	Phone: <u>603 675 2306</u>	Phone: <u> </u>

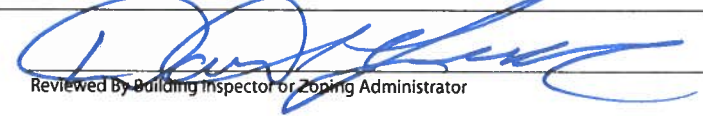
Applicant Signature:  Date: 10/21/2019

Required Attachments:

Please provide a copy of plans detailing the project. Hand-drawn plans can be used if necessary. Permits cannot be issued without receipt of the proper fee. If you are unsure of the amount due or have any questions about your application, contact the town office (603-469-3201).

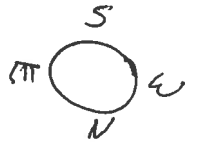
TOWN USE: **Current Use:** Yes / No **ZBA:** Yes / No **PB:** Yes / No

BOARD OF SELECTMEN ACTION


Reviewed By Building Inspector or Zoning Administrator

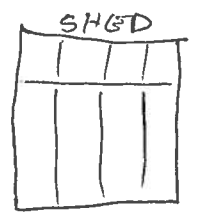
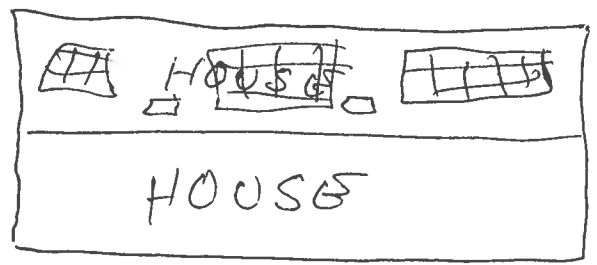
Approved Denied

Permit #: 2019-78 Date: 11/5/19

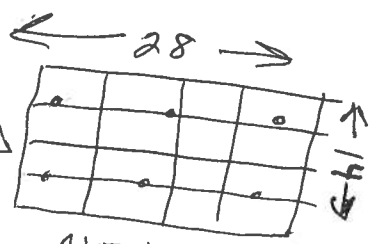


ROAD

DRIVEWAY



SHED



NEW SOLAR ARRAY



Seth Nelson
455 Freeman Rd.
Plainfield, NH 03781

- (A) SOLAR PV MODULES
MISSION SOLAR
MSE375SQ95
PIMAX 375 WATTS
VMPP 39.76 VDC
VOC 48.16 VDC
IMPP 9.43 ADC
ISC 9.83 ADC

- (B) SOLAR EDGE
P400-5MC4ARM 400 WATT
MICROMP4 INPUT/OUTPUT
POWER BOX DC OPTIMIZER

- (C) USER SUPPLIED
NEMA3R BOX TO TRANSITION
TO CONDUIT WHERE REQUIRED
BY LOCAL AUTHORITY.

- (D) SOLAR EDGE SE8000H-US
UTILITY INTERTIE INVERTER
WITH REVENUE GRADE METER
6,000 WATTS @ 240 VAC
TRANSFORMERLESS RECT-
IFIER
GFI, GFCI, GPO, GPO-
ABC FAULT PROTECTION, &
RAPID SHUTDOWN NEC 690.12

- (E) SQUARE D DUZZ2RB
MANUAL DISCONNECT
60 AAC / 240 VAC

- (1) 2 - #10 PV 2000V CU
PIMAX 3,000 WATTS
VMPP 380.00 VDC
VOC 8.00 VDC
IMPP 12.50 ADC

- (2) 4 - #10 PV 2000V CU
1 - #6 CU GROUND
(USER SUPPLIED)
IN 1" CONDUIT MIN.

- (3) USER SUPPLIED
3 - #6 THHN/2 CU
CONDUIT
IN 3/4" CONDUIT MIN.
PIMAX 6,000 WATTS
VOC 240.00 VAC
IMPP 25.00 AAC
(SIZED FOR 90' RUN TO
MAINTAIN A LESS THAN
1% VOLTAGE DROP PER
MANUFACTURER
INSTRUCTIONS)

ALL WIRING MUST COMPLY WITH
NEC CODES AND LOCAL
AUTHORITY HAVING JURISDICTION.
DIAGRAM NOTATIONS REFLECT
BREAKER SIZES AND MINIMUM WIRE
AND CONDUIT SIZES FOR SIZE OF
SYSTEM AS SHOWN AND ACCORDING
TO 2017 NEC REGULATIONS FOR
SAFETY.

ORDER # 19455
PREPARED BY: D.S.
CHECKED BY: J.R.U.C.
10.28.2019

IMPORTANT: READ ALL MANUALS COMPLETELY
PRIOR TO INSTALLATION OF SYSTEM COMPONENTS
AND WIRING. FOR CRITICAL SAFETY INFORMATION,
INSTALLATION SEQUENCES, COMPONENT SETTINGS,
AND OPERATION PROCEDURES.

THIS DIAGRAM DEPICTS LAYOUT FOR WIRING ONLY.
PHYSICAL LAYOUT MAY VARY. CONSULT RACKING
REPORT FOR SPECIFIC DETAILS.

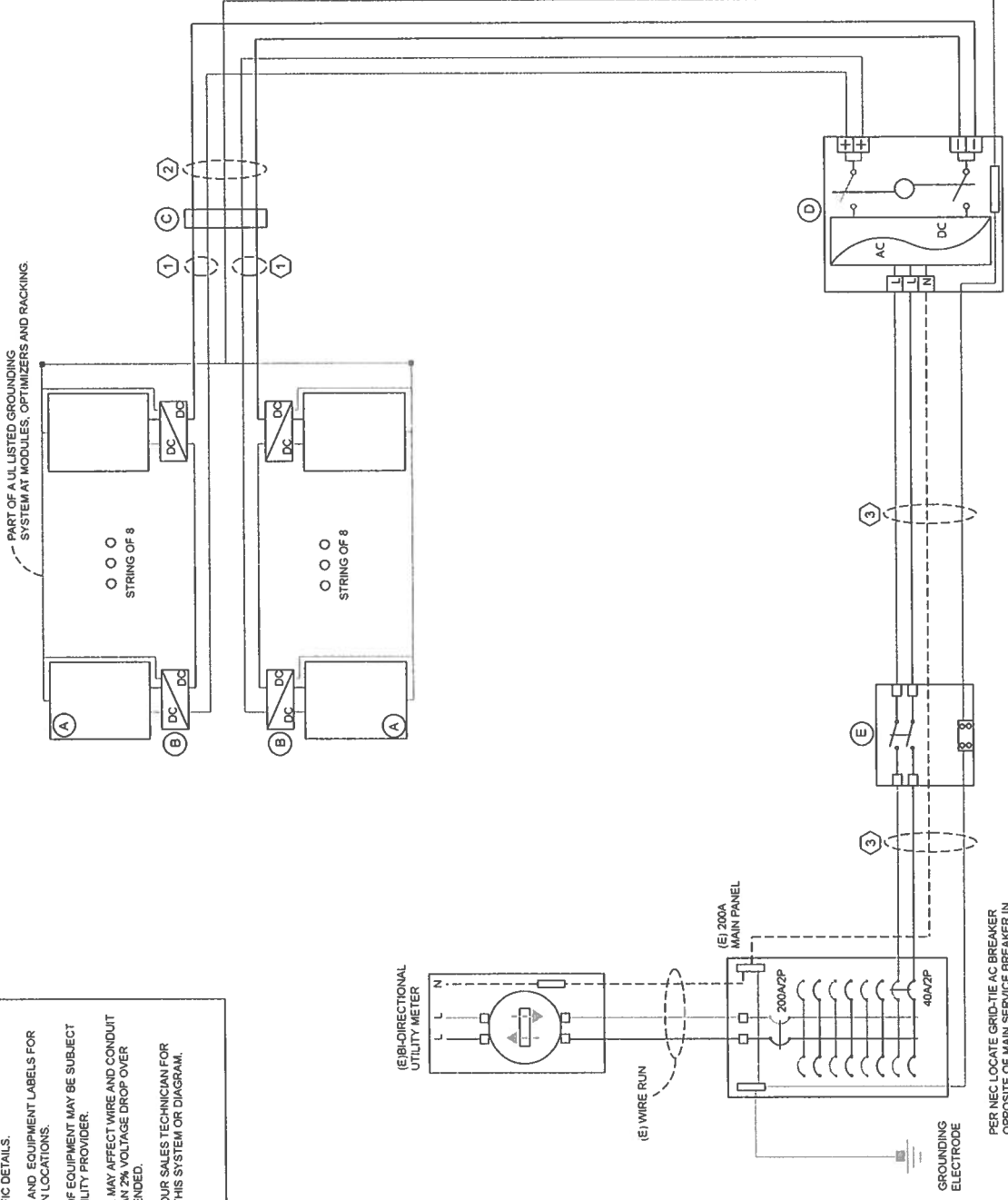
REFER TO MANUALS AND EQUIPMENT LABELS FOR
WIRING TERMINATION LOCATIONS.

ON-SITE LOCATION OF EQUIPMENT MAY BE SUBJECT
TO APPROVAL OF UTILITY PROVIDER.

WIRE RUN DISTANCE MAY AFFECT WIRE AND CONDUIT
SIZES. NO MORE THAN 2% VOLTAGE DROP OVER
WIRING IS RECOMMENDED.

PLEASE CONTACT YOUR SALES TECHNICIAN FOR
QUESTIONS ABOUT THIS SYSTEM OR DIAGRAM.

WHOLESALE SOLAR
1-800-472-1142



PER NEC LOCATE GRID-TIE AC BREAKER
OPERATE SERVICE BREAKER IN
LAST BREAKER POSITION.