

**STATE OF NEW HAMPSHIRE  
ELECTRICIANS BOARD**

**NAME: STEPHEN J CONNOLLY**

**14476 M**

**ISSUED: 07/17/2019**

**EXPIRES: 01/31/2022**

**MASTER**

**Abbreviations**

3R - NEMA 3R, Raintight  
(E) - Existing  
(N) - New  
A - Ampere  
AWG - American Wire Gauge

EGC - Equipment Grounding  
Conductor  
EV - Electric Vehicle  
EVCS - Electric Vehicle  
Charging Station  
NEC - National Electric Code

**Electrical Notes**

1. Each ungrounded conductor of the multiwire branch circuit will be identified by phase and system per Art. 210.5
2. A Nationally-Recognized Testing Laboratory shall list all equipment in compliance with Art. 110.3
3. All wires shall be provided with strain relief at all entry into boxes as required by UL Listing
4. All exposed metal parts shall be grounded
5. All work shall comply with the AHJ or State adopted Electrical

**Additional Notes**

**License**

C-10, CA # 888104

Ashton Thurneysser  


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- Sheet 3 - Single Line Labels & Cutsheets

**Scope of Work**

# of Powerwalls: 2  
Total Storage Capacity: 27 kWh  
MPU: No

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Energy Storage System at 147 Main St, Plainfield, NH 03781, US

Catherine Legare

JB-037160-00

*Timothy considers*

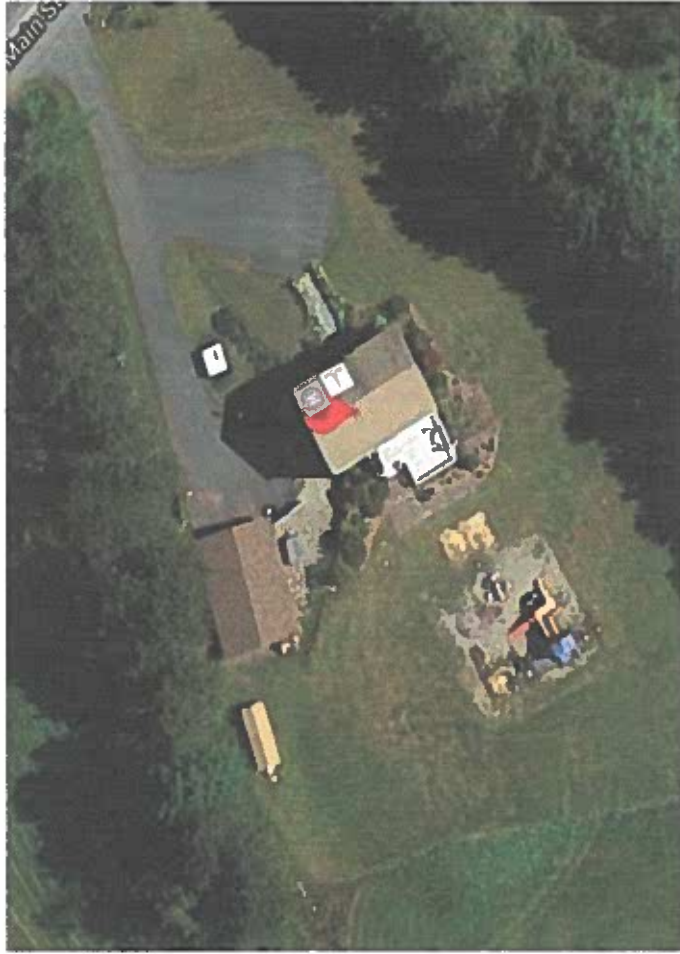
**TESLA**

Cover Page

7/23/2020

**YOUR HOME  
POWERED BY TESLA**

Aerial View



**Legend**

-  Main Panel
-  Powerwall and Equipment
-  AC Disconnect

We are excited to design your home of the future and for you to join our mission to accelerate the world's transition to sustainable energy.

The day of your installation, our team of two to three people will install your Powerwall. If you also have solar, an additional four installers could be on site.

To ensure a quick and efficient installation, clear the ground, wall space, and any key access points. Extra space is great since we may use a small dolly to move Powerwall around.

We look forward to getting started.

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Energy Storage System 147 Main St. Plainfield, NH 03781, US

Catherine Legare

JB-037160-00

*Timothy Camilleri*

**TESLA**

**Site Plan**

7/23/2020

Meter#: 38300099  
 Main Panel: (E) 200A  
 Service Disconnect: (E) 200A

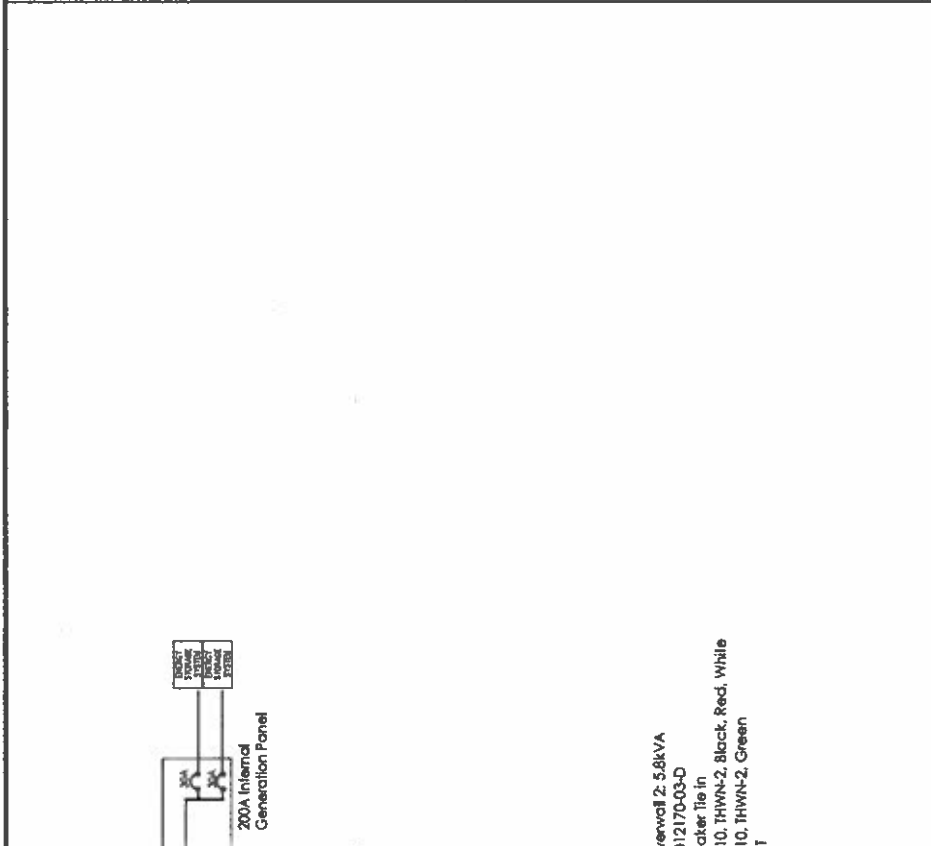
AWG #2/0 Black, Red, White THWN-2  
 AWG #6 Green THWN-2  
 2" Conduit

AWG #2/0 Black, Red, White THWN-2  
 AWG #6 Green THWN-2  
 2" Conduit

Backup Gateway: (1) (N) Backup Gateway 2  
 Tesla 20121700-0  
 30A Breaker Tie In

Backup Loads Panel: (1) (E) 200A Load Center  
 (E) 200A Main Breaker

Generation Panel:  
 (Gateway 2 Busbar)  
 (1) (N) 200A Internal Busbar



**New Powerwell:** (2) AC Powerwell 2-5.8kVA  
 Tesla 20121700-0  
 30A Breaker Tie In  
 AWG #10, THWN-2, Black, Red, White  
 AWG #10, THWN-2, Green  
 3/4" EMT

All new equipment to be located adjacent to Main Panel

Energy Storage System at 147 Main St, Plainfield, NH 03781, US  
 Catherine Lezare  
 JB-037160-00  
 Timothy Cummings

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TESLA  
 Single Line  
 7/23/2020

**BACKUP LOAD CENTER**

Label Location:  
(BLC)  
Per Code: NEC 408.4

**CAUTION**  
DO NOT ADD NEW LOADS

Label Location:  
(BLC)  
Per Code: NEC 220

**CAUTION**  
THIS PANEL HAS SPECIFIED THROUGH CURRENTS. EXCESSIVE CURRENTS OR SHORTS AT ENERGY STORAGE BACKUP LOAD PANEL

Label Location:  
(MP)  
Per Code: NEC 312.8.A.3

**CAUTION**  
DO NOT POWER SOURCE SECOND SOURCES ENERGY STORAGE SYSTEM

Label Location:  
(MP)  
Per Code: NEC 705.12.B.3

ENERGY STORAGE SYSTEM OR SHE EQUIP'D WITHIN UNIT OF SHE

Label Location:  
(MP)  
Per Code:

ENERGY STORAGE SYSTEM OR SHE LOCATED ON ADJACENT WALL

Label Location:  
(MP)  
Per Code:

ENERGY STORAGE SYSTEM OR SHE LOCATED ON OPPOSITE WALL

Label Location:  
(MP)  
Per Code:

ENERGY STORAGE SYSTEM OR SHE RELATED DEVICE

Label Location:  
(MP)  
Per Code:

**CAUTION**  
DO NOT POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM. THIRD SOURCE IS ENERGY STORAGE SYSTEM

Label Location:  
(MP)  
Per Code: NEC 705.12.B.3

**WARNING**  
THIS EQUIPMENT FED BY MULTIPLE SOURCES. OVERCURRENT PROTECTION RATING OF ALL OVER CURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR

Label Location:  
(MP)  
Per Code: NEC 705.12.B.2.3.c

NOMINAL LESS VOLTAGE 120/240V  
MAX AVAILABLE SHORT CIRCUIT CURRENT 32A  
ARC FAULT CLEARING TIME FROM LESS 50ms  
DMF OF CALCULATION

Label Location:  
(MP)  
Per Code: NEC 706.7.D

(AC): AC Disconnect  
(BLC): Backup Load Center  
(MP): Main Panel

Label Set

