

HDC-21-8

Historic District - Application for Certificate

Status: Active

Date Created: Aug 17, 2021

Applicant

Thomas Young

██████████
1600 Osgood Street
Suite 2043
OVER, MA 01845
██████████

Location

5 MAPLE STREET
MENDON, MA 01756

Owner:

Catherine LaShombe
5 Maple Street MENDON, MA 01756

Property Info

Owner of Record

Catherine LaShombe

Owner's Mailing Address

5 Maple Street

Owner's Phone

██████████

Owner's Email

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Year Built

1875

of Structures on Property

1

I affirm that I am the Owner or Owner's Agent and am authorized to submit this application on their behalf.



Description of Property

Home was built in 1875 and renovated in 1970. Hoping to install rooftop solar.

Project Info

Brief Description of Proposed Work

25 Solar panels are planned to be installed on the roof. The proposed system size is 8.5 kW DC.

Architect or General Contractor's Info

Zachary Limbardo, 1600 Osgood St. North Andover, MA 01845. ██████████

Requesting a certificate of:

Appropriateness

Does this project involve Demolition?

No

Have you already submitted an application for a building permit?

YES

Record Number / Permit Number of related application

RES-21-246

Additional Info

Written description of materials to be used.

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Internal

Type of Certificate

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Conditions or Notes

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Date of Public Hearing or Review

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Attachments




Screenshot (109).png

Uploaded by Thomas Young on Aug 16, 2021 at 1:12 pm



Screenshot (110).png

Uploaded by Thomas Young on Aug 16, 2021 at 1:13 pm








 LaShombe Residence - 7 Maple Street, Mendon, MA - Design Package Rev 2.0.pdf

Uploaded by Thomas Young on Aug 16, 2021 at 1:11 pm

History

Date	Activity
Aug 16, 2021 at 10:54 am	Thomas Young started a draft of Record HDC-21-8
Aug 16, 2021 at 1:11 pm	Thomas Young added attachment LaShombe Residence - 7 Maple Street, Mendon, MA - Design Package Rev 2.0.pdf to Record HDC-21-8
Aug 17, 2021 at 8:43 am	Thomas Young submitted Record HDC-21-8
Aug 17, 2021 at 8:43 am	approval step Initial Review of Application was assigned to Dan Byer on Record HDC-21-8
Aug 17, 2021 at 8:43 am	approval step Assessor's Review was assigned to Jean Berthold on Record HDC-21-8
Aug 17, 2021 at 9:02 am	Jean Berthold approved approval step Assessor's Review on Record HDC-21-8
Aug 17, 2021 at 11:25 am	Dan Byer approved approval step Initial Review of Application on Record HDC-21-8
Aug 17, 2021 at 11:25 am	changed the deadline to Aug 31, 2021 on approval step Historic District Commission - Initial Determination on Record HDC-21-8
Aug 17, 2021 at 11:25 am	approval step Historic District Commission - Initial Determination was assigned to Dan Byer on Record HDC-21-8
Aug 17, 2021 at 11:25 am	changed the deadline to Aug 31, 2021 on approval step Historic District Commission - Initial Determination on Record HDC-21-8
Aug 17, 2021 at 11:31 am	Dan Byer approved approval step Historic District Commission - Initial Determination on Record HDC-21-8
Aug 17, 2021 at 11:31 am	approval step Historic District Commission - Hearing was assigned to Dan Byer on Record HDC-21-8
Aug 17, 2021 at 11:31 am	changed the deadline to Oct 01, 2021 on approval step Historic District Commission - Hearing on Record HDC-21-8

Timeline

Label	Status	Activated	Completed	Assignee
 Assessor's Review	Complete	Aug 17, 2021 at 8:43 am	Aug 17, 2021 at 9:02 am	Jean Berthold
 Initial Review of Application	Complete	Aug 17, 2021 at 8:43 am	Aug 17, 2021 at 11:25 am	Dan Byer
 Historic District Commission - Initial Determination	Complete	Aug 17, 2021 at 11:25 am	Aug 17, 2021 at 11:31 am	Dan Byer
 Historic District Commission - Hearing	Active	Aug 17, 2021 at 11:31 am	-	Dan Byer
 Update Certificate Info	Pending	-	-	-
 Certificate	Pending	-	-	-
 Upload copy of signed cert, file copy with town clerk, mail copy to applicant	Pending	-	-	-

All

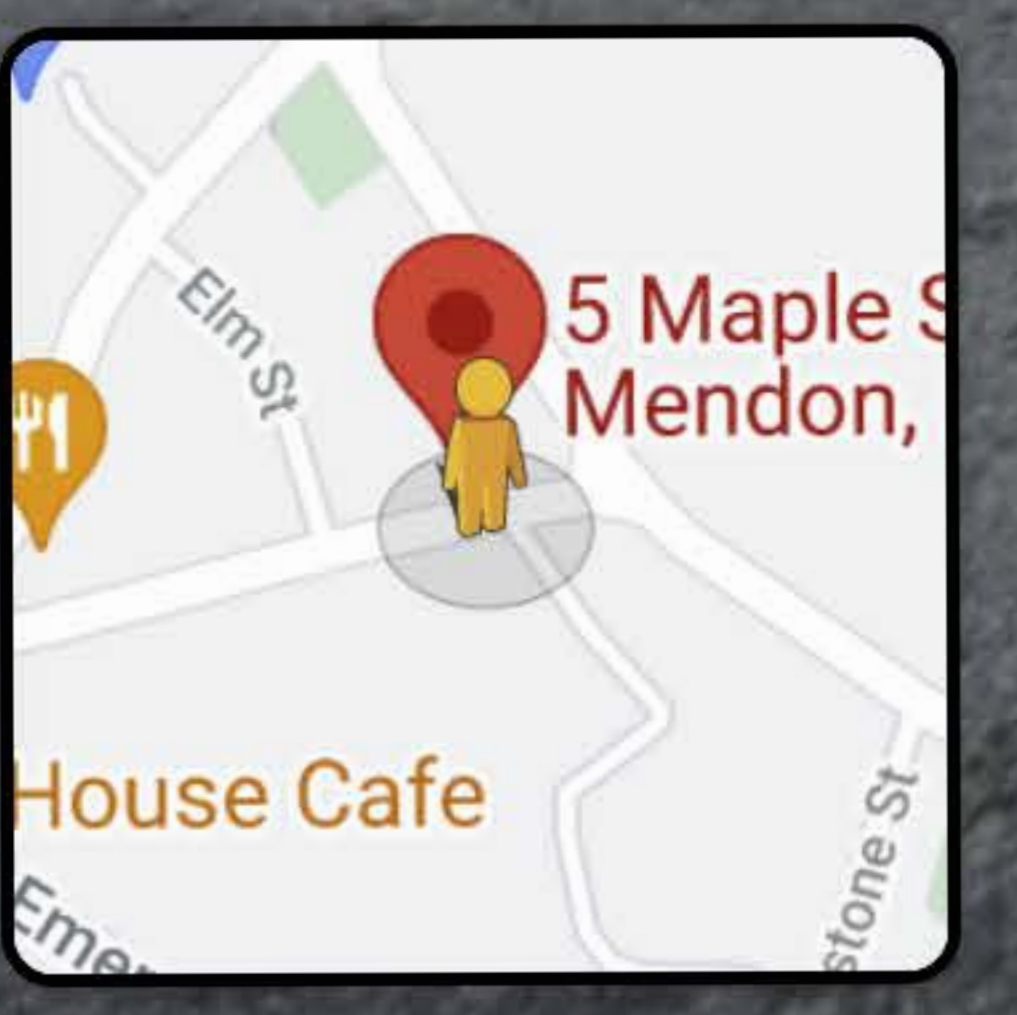
Street View & 360°



16 Maple St
Mendon, Massachusetts

Google

Street View



Google



5 Maple St

All

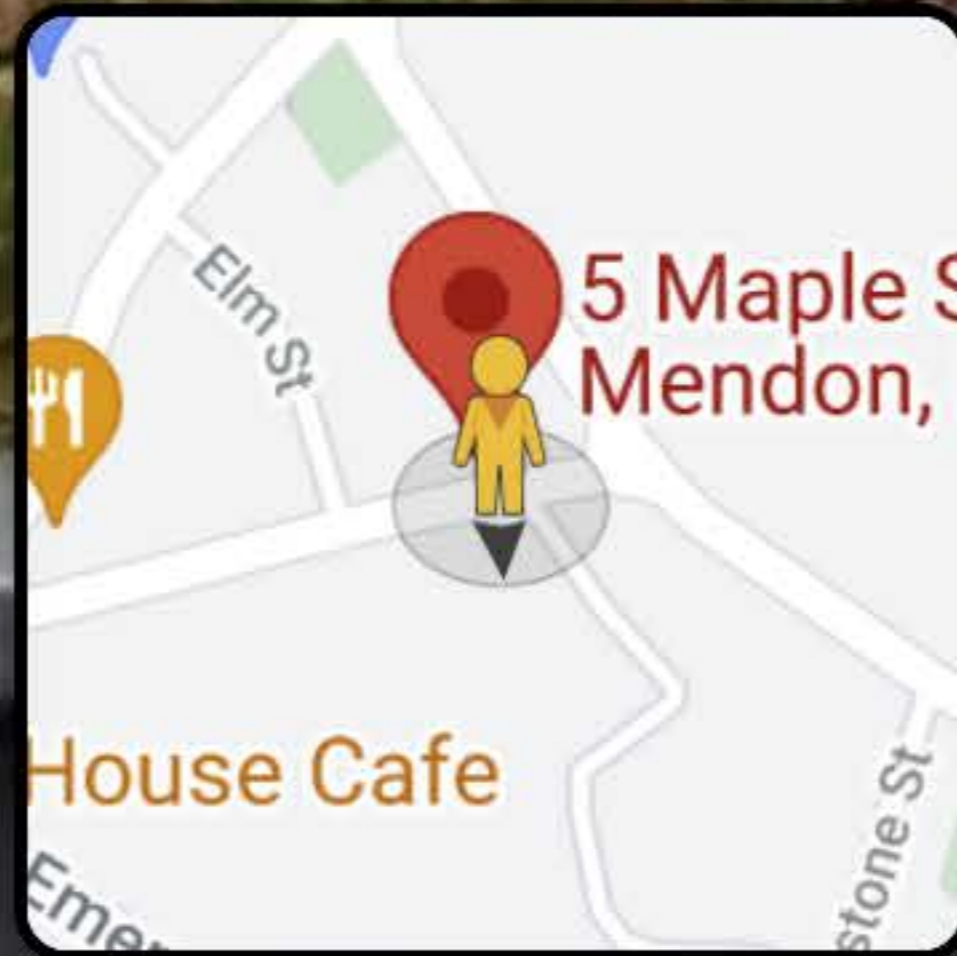
Street View & 360°



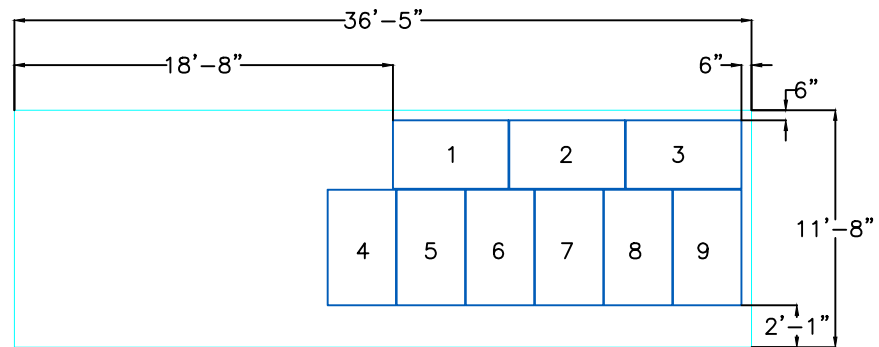
16 Maple St
Mendon, Massachusetts

Google

Street View

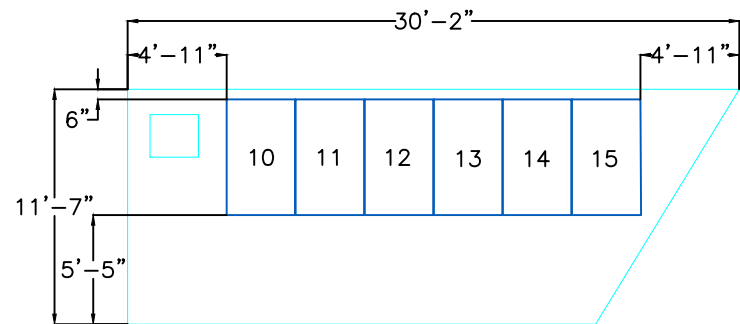


Google



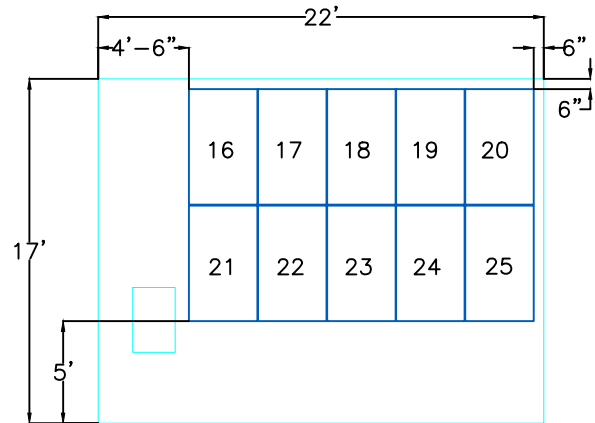
ROOF 1

DIMENSIONS TO BE FIELD VERIFIED



ROOF 2

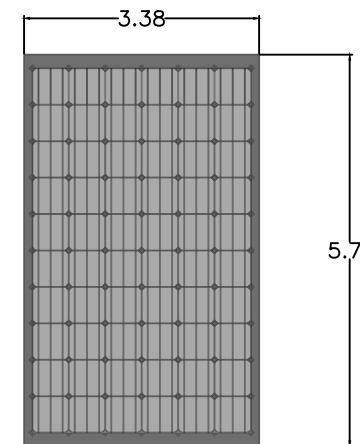
DIMENSIONS TO BE FIELD VERIFIED



ROOF 3

DIMENSIONS TO BE FIELD VERIFIED

DC SYSTEM SIZE	8.5 kW DC
AC SYSTEM SIZE	7.25 kW AC
ESTIMATED ENERGY PRODUCTION	7,966 kWh
MODULES	(QTY. 25) HANWHA Q.PEAK DUO BLK G6+ 340W SOLAR PANELS
INVERTER	(QTY. 25) ENPHASE IQ7+ MICRO INVERTERS
DC/AC RATIO	1.28



HANWHA Q. CELL (Q.PEAK DUO G6+ 340)				
Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)
340	33.94	10.02	40.66	10.52

ENPHASE IQ7+-72-2-US

- 235-440W INPUT POWER
- 60V MAX INPUT VOLTAGE
- 1.21A CONTINUOUS OUTPUT CURRENT
- 13 UNITS PER 20A BRANCH CIRCUIT
- MC4 CONNECTORS

NOTES:

1. RAFTER LOCATION IS ASSUMED. FIELD VERIFICATION OF PENETRATIONS REQUIRED TO ENSURE ARRAY IS POSITIONED AS DESIGNED.
2. DUE TO DC/AC RATIO, CLIPPING MAY OCCUR. ESTIMATED ENERGY PRODUCTION ACCOUNTS FOR CLIPPING LOSSES.
3. FINAL EQUIPMENT LOCATION IS SUBJECT TO CHANGE.



PV ARRAY 3
260° AZIMUTH
44° SLOPE

PROPOSED EQUIPMENT
DROP LOCATION

UTILITY METER AND UTILITY
DISCONNECT SWITCH

ELECTRICAL ROOM WITH
MAIN PANELBOARD

PV ARRAY 2
260° AZIMUTH
29° SLOPE

PV ARRAY 1
170° AZIMUTH
36° SLOPE