



CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2nd Fl., Cambridge, Massachusetts 02139
Telephone: 617 349 4683 TTY: 617 349 6112
E-mail: histcomm@cambridgema.gov URL: www.cambridgema.gov/Historic

RECEIVED
AUG 13 2019
CAMBRIDGE HISTORICAL COMMISSION

APPLICATION FOR CERTIFICATE

- The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of (check one box): Appropriateness, Nonapplicability, or Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.
- Address of property: 50 Church Street, Cambridge, Massachusetts
- Describe the proposed alteration(s), construction or demolition in the space provided below:
(An additional page can be attached, if necessary).

The project proposes a two-phase installation of solar panel arrays on the roof of 50 Church Street. The first phase of the project proposes installation of 120 dual-tilt solar panels on the horizontal roof of the building and 32 fixed tilt panels on an existing mechanical penthouse. The existing mechanical penthouse was constructed in 1980 as part of the original building, designed by Sert, Jackson, and Associates. The structure was intended to support Harvard Square's first solar thermal system. The system was completed in 1980, but due to technical challenges, was never fully operational. The solar panels were removed several years later. The first phase of the project returns the penthouse back to its original intent of clean energy production.

The second phase will include the installation of an array of solar panels with transparent backing, mounted to the existing skylight. During this phase, the owner also proposes to upgrade the skylight from single-pane glazing to high performance insulated glass units. The panels add solar generation capacity to the roof, while the upgraded glazing will improve the thermal performance of the building envelope. See enclosed plans for more information.

I certify that the information contained herein is true and accurate to the best of my knowledge and belief. The undersigned also attests that he/she has read the statements printed on the reverse.

Name of Property Owner of Record: Trinity Property Management

Mailing Address: 50 Church Street, 5th floor, Cambridge, MA 02138

Telephone/Fax: (617) 354-0835 E-mail: emurphy@trinityproperty.com

⇒ Signature of Property Owner of Record: *John P. O'Connell*
(Required field; the application will not be considered complete without the property owner's signature)

Name of proponent, if not record owner: _____

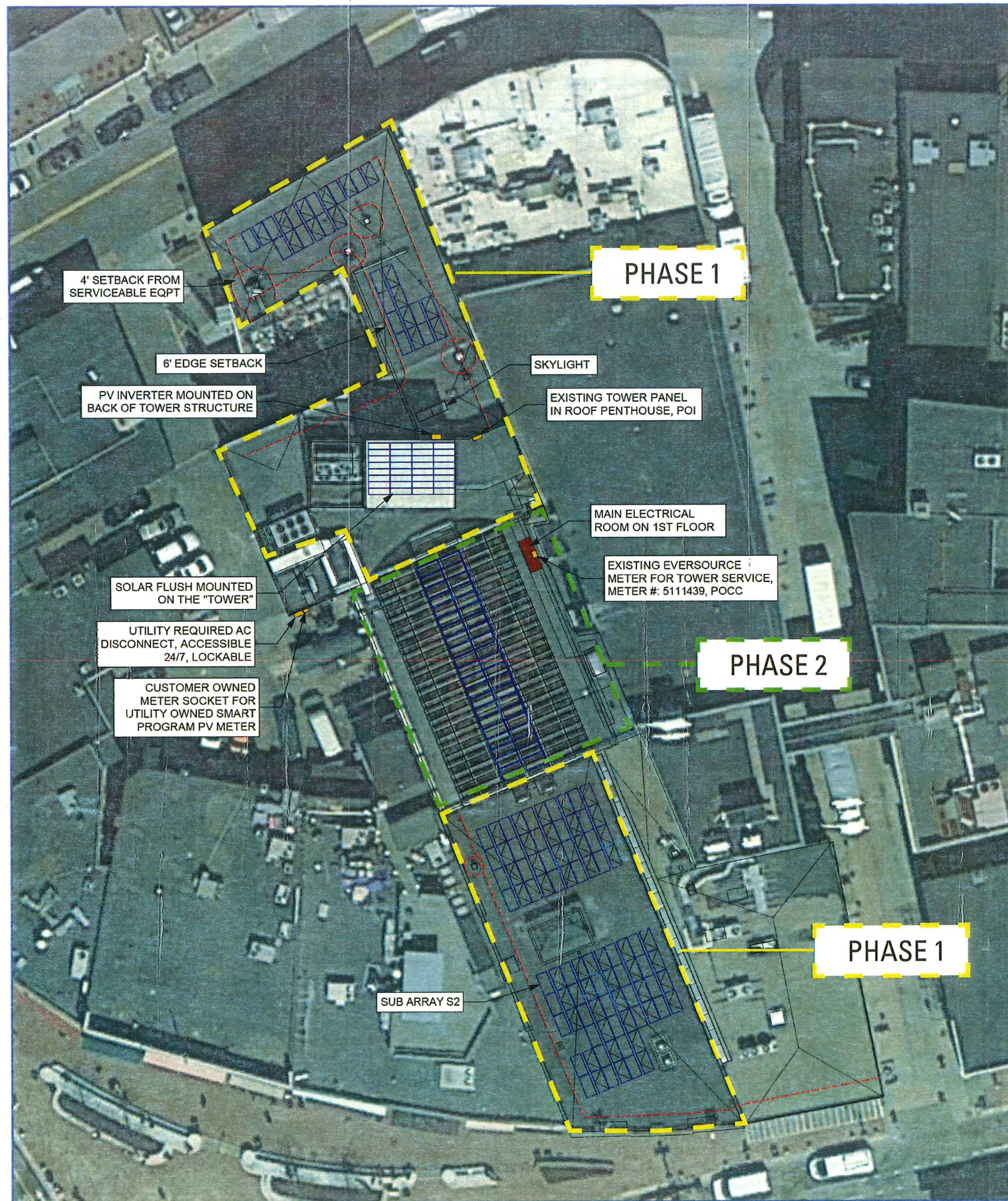
Mailing Address: _____

Telephone/Fax: _____ E-mail: _____

(for office use only):

Date Application Received: 8/13/19 Case Number: 4174 Hearing Date: 9/5/19

Type of Certificate Issued: _____ Date Issued: _____



PHASING PLAN



VIEW FROM PUBLIC WAY

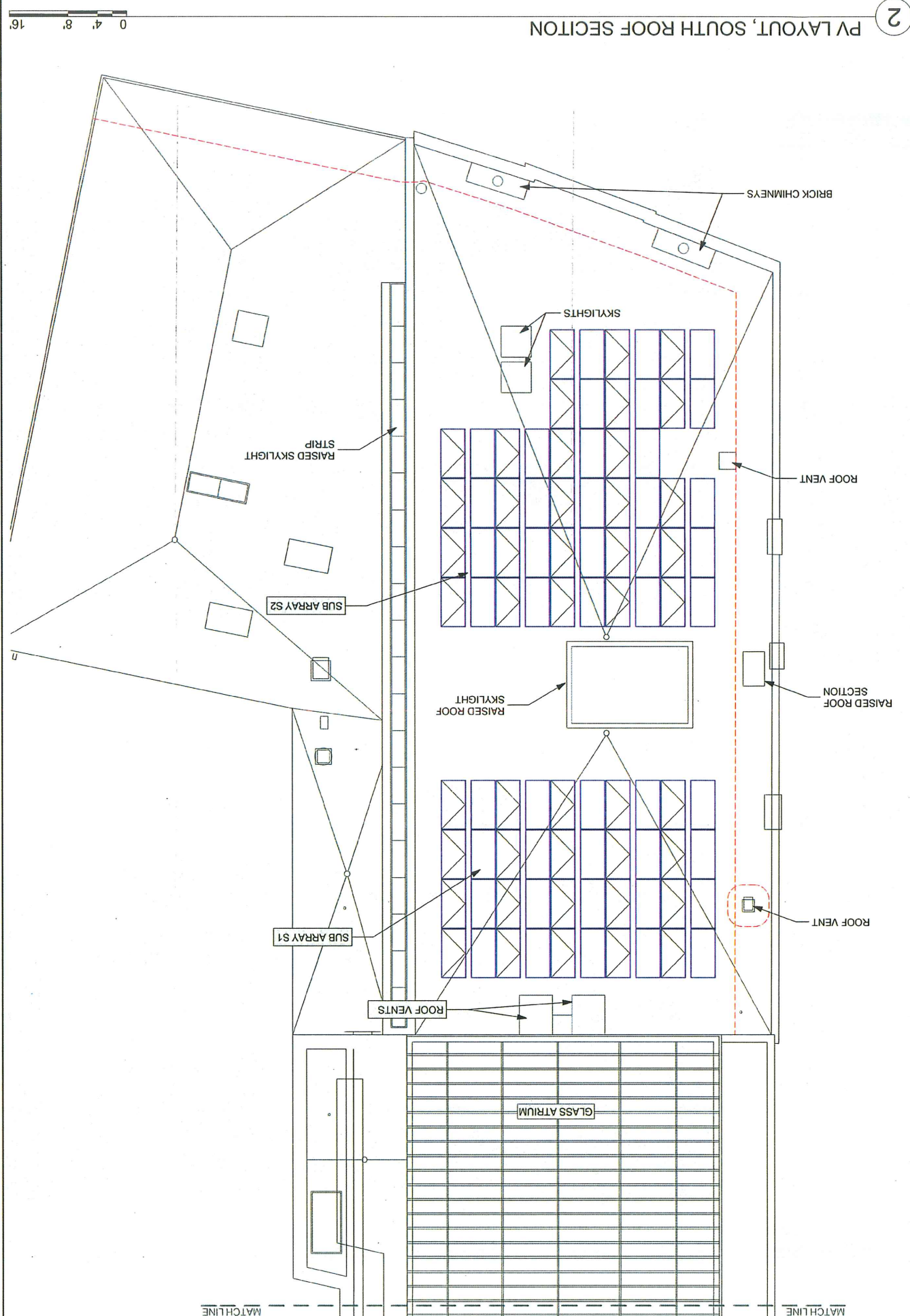
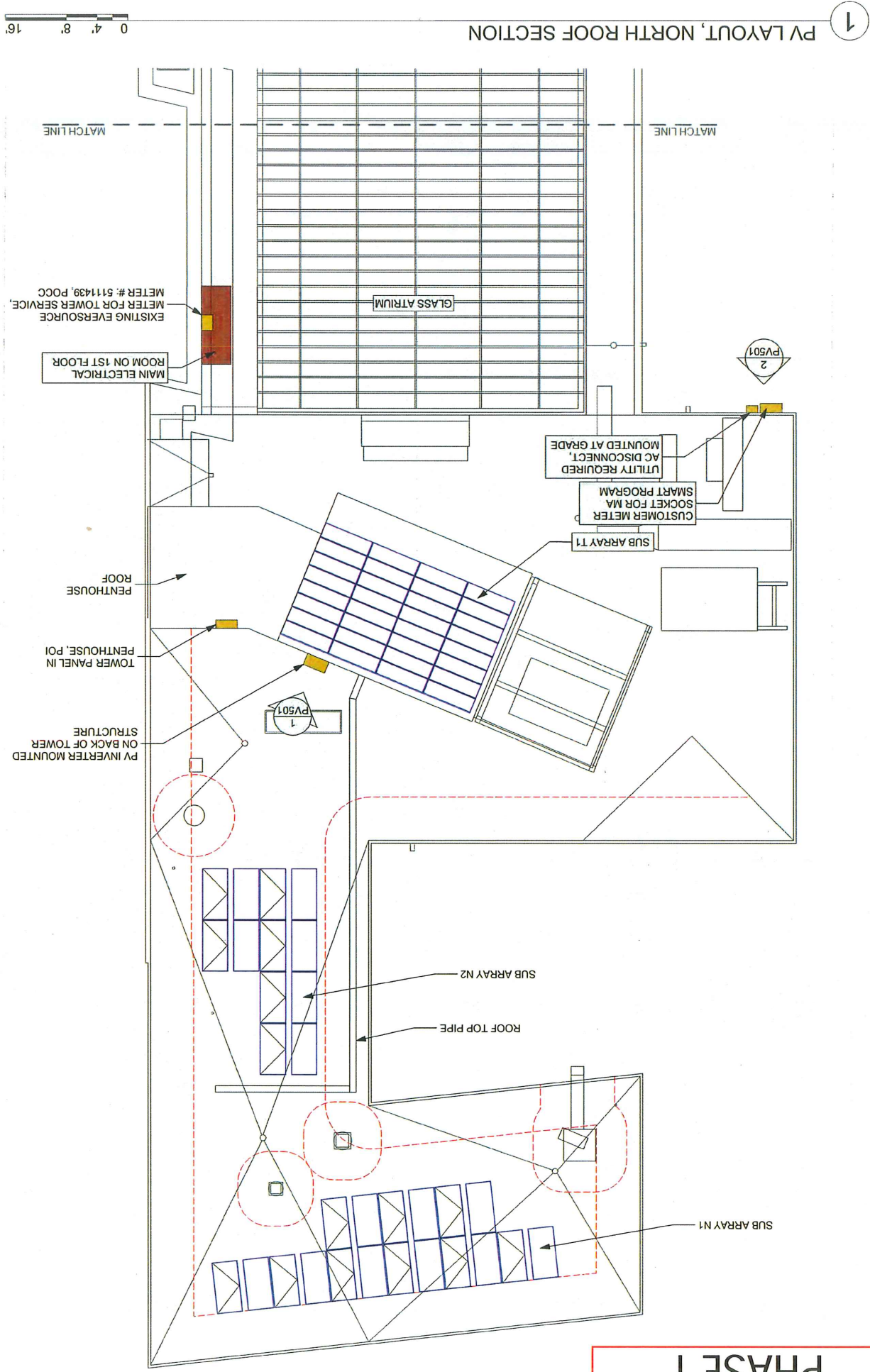
EXISTING CONDITION (PHOTO)



VIEW FROM PUBLIC WAY

PROPOSED PV (RENDERING)

PHASE 1



DRAWING TITLE PV LAYOUT		
DRAWING NO. PV101	CHECKED BY JP	
DATE DRAFTED: 08/02/2019	DATE DRAFTED: 08/02/2019	
SCALE AS NOTED	FILE NAME 20190711 Trinity - Harvard Square.plt	
NOTES CITY/ST/ZIP CAMBRIDGE, MA 02138 STREET 50 CHURCH STREET NAME HARVARD SQUARE TRINITY PROPERTY MANAGEMENT		
CONTRACTOR NAME CITY/ST/ZIP		
REVISION NOTES		
MARK	DATE	DESCRIPTION
	08/07/2019	RFP SET
	05/09/2019	INTERCONNECTION APPLICATION

PROFESSIONAL STAMP

THURSDAY, AUGUST 08, 2019

RFP SET

HARVARD SQUARE - TRINITY PROPERTY MANAGEMENT

THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. CERTIFICATION OR REVISION TO BE DONE BY A PROFESSIONAL WITH EXPERISE IN THE FIELD TO OBTAIN A LICENSE IN THE STATE THAT THE INSTALLATION WILL REQUIRE CERTIFICATION OR VALIDATION TO BE INCLUDED AS PART OF THE SUBMITTALS FOR PERMITTING OF THE OVERALL PROJECT.

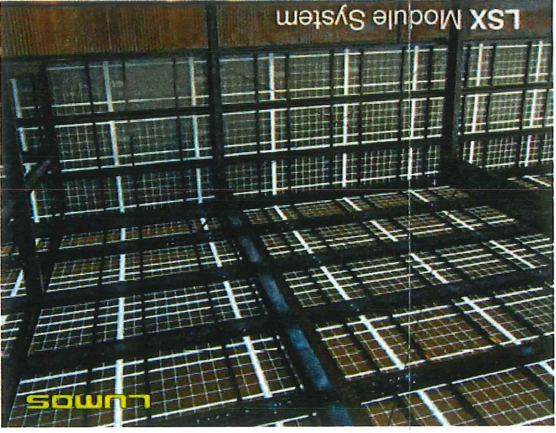
NOT FOR CONSTRUCTION

solar design associates inc.
 HARVARD, MA 01451-0242 | 978-456-6655
 www.solar-design.com | 978-772-9715
 Established in 1960

IF THIS SHEET IS NOT 22" x 34", IT HAS BEEN REDUCED OR ENLARGED.

01/27/2019 4:11:44 PM

PHASE 2



The revolutionary
frameless solar
module system that
has bridged the gap
between architecture
and energy production

FRAMELESS MODULE SYSTEM INTEGRATED MOUNTING

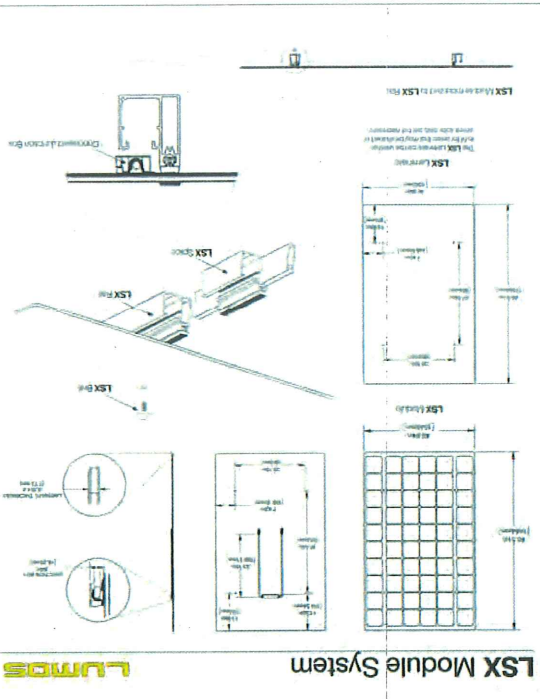
- PID free
- Ultra low profile
- No module grounding
- No continuous ground equipment ground

NO MODULE GROUNDING

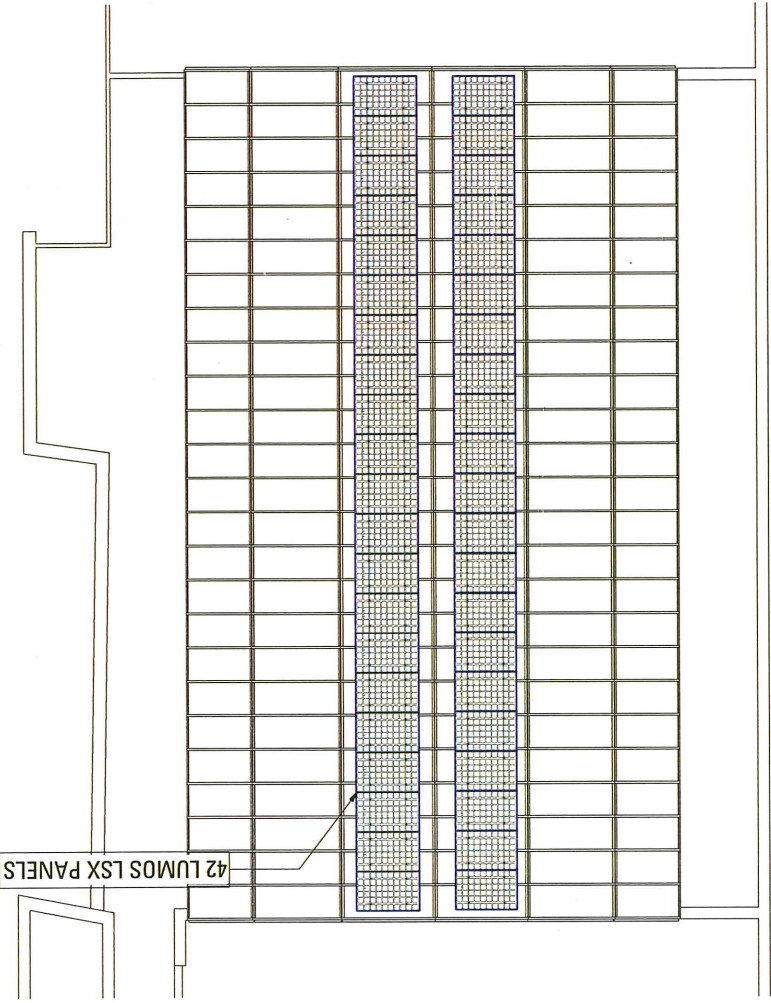
- Single in wireway
- Completed junction box and conductors

INTEGRATED THROUGH-BOLT MOUNTING

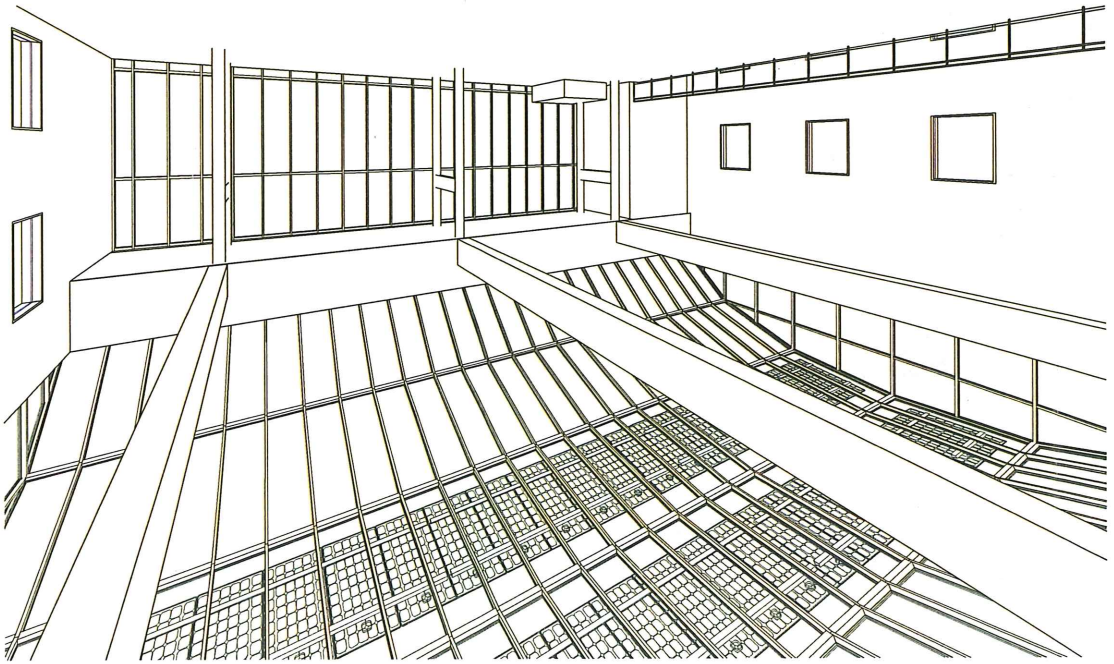
- Taper resistant mounting
- Ease of weathproofing



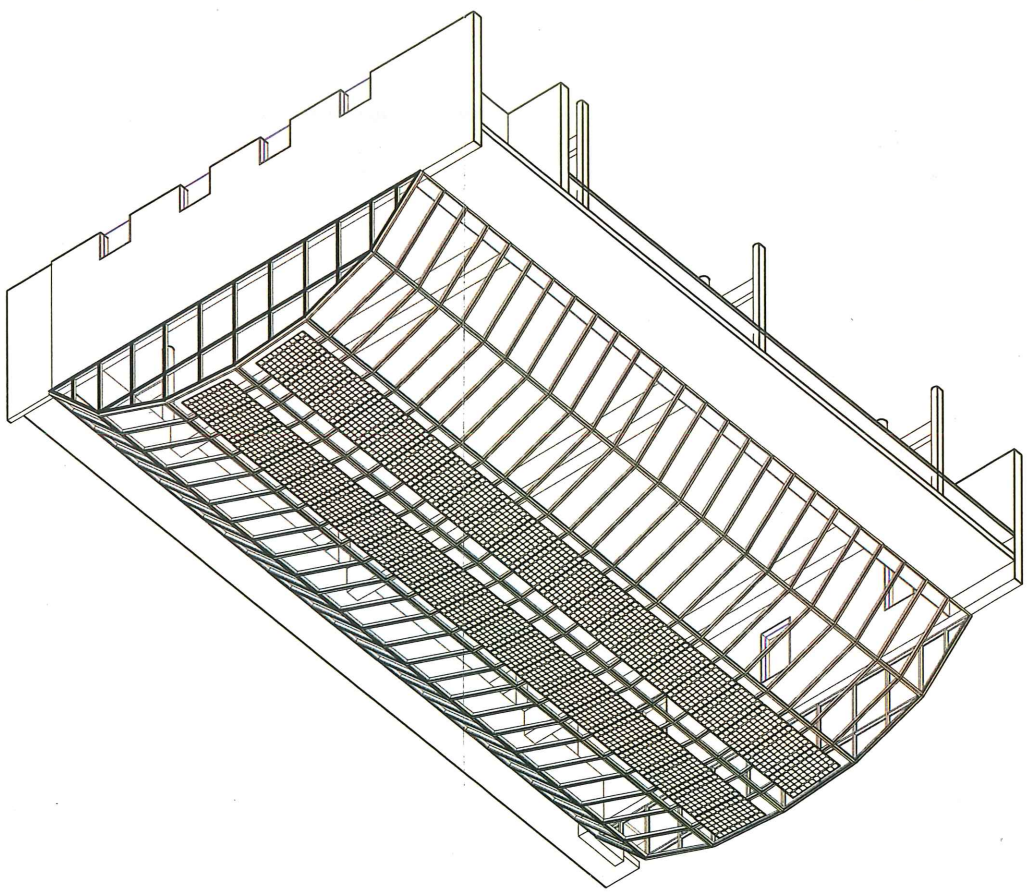
1 PV LAYOUT, SKYLIGHT, 2 ROWS
SCALE: 1/8"=1'-0"



2 INTERIOR PERSPECTIVE, 2 ROWS
SCALE:



3 SKYLIGHT 3D AXON, 2 ROWS
SCALE:



NOT FOR CONSTRUCTION

Rev	Date	Remarks

Date	9/12/19
Scale	As Indicated
Project Number	15011
Drawn By	Author

Bruner/Cott
 Bruner/Cott & Associates, Inc.
 130 Prospect Street
 Cambridge, Massachusetts 02139
 617 492 8400
 www.bruner-cott.com
 Architecture/Urban Design
 Preservation/Landscape Architecture
 Space Planning/Interior Design

PV-001

PV LAYOUT, 2 ROWS