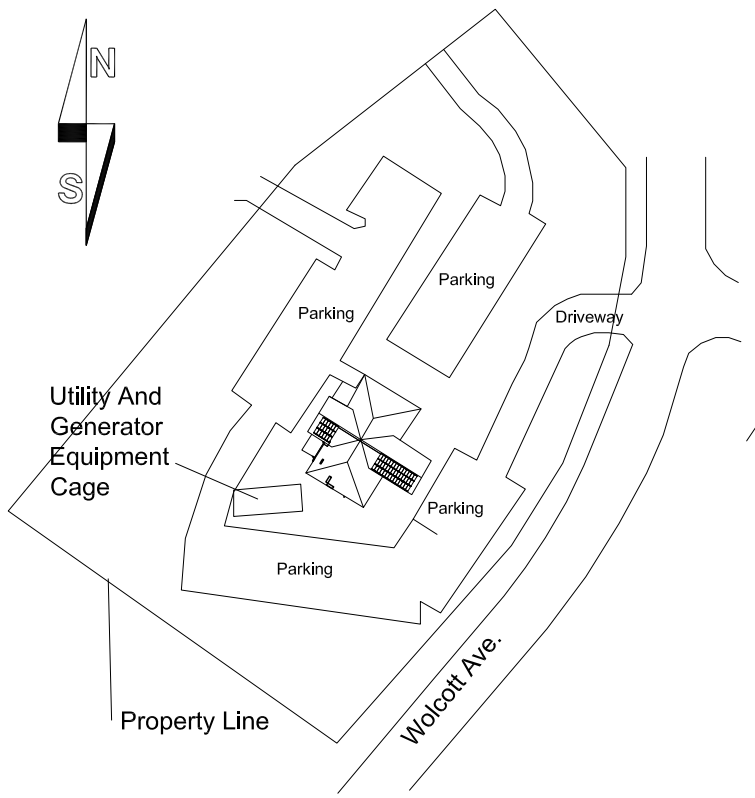
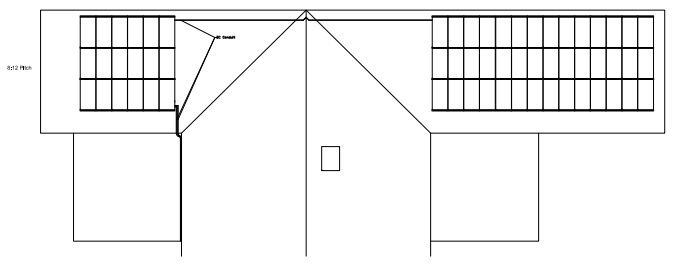
Detail 1

PROPERTY LINE & SETBACKS - NOT TO SCALE



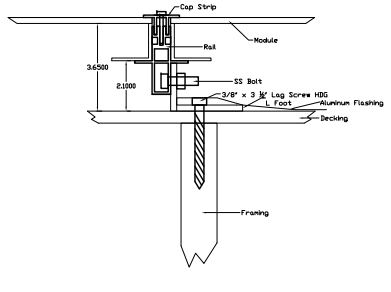
Detail 2

PHOTOVOLTAIC ARRAY LAYOUT - SCALE DRAWING



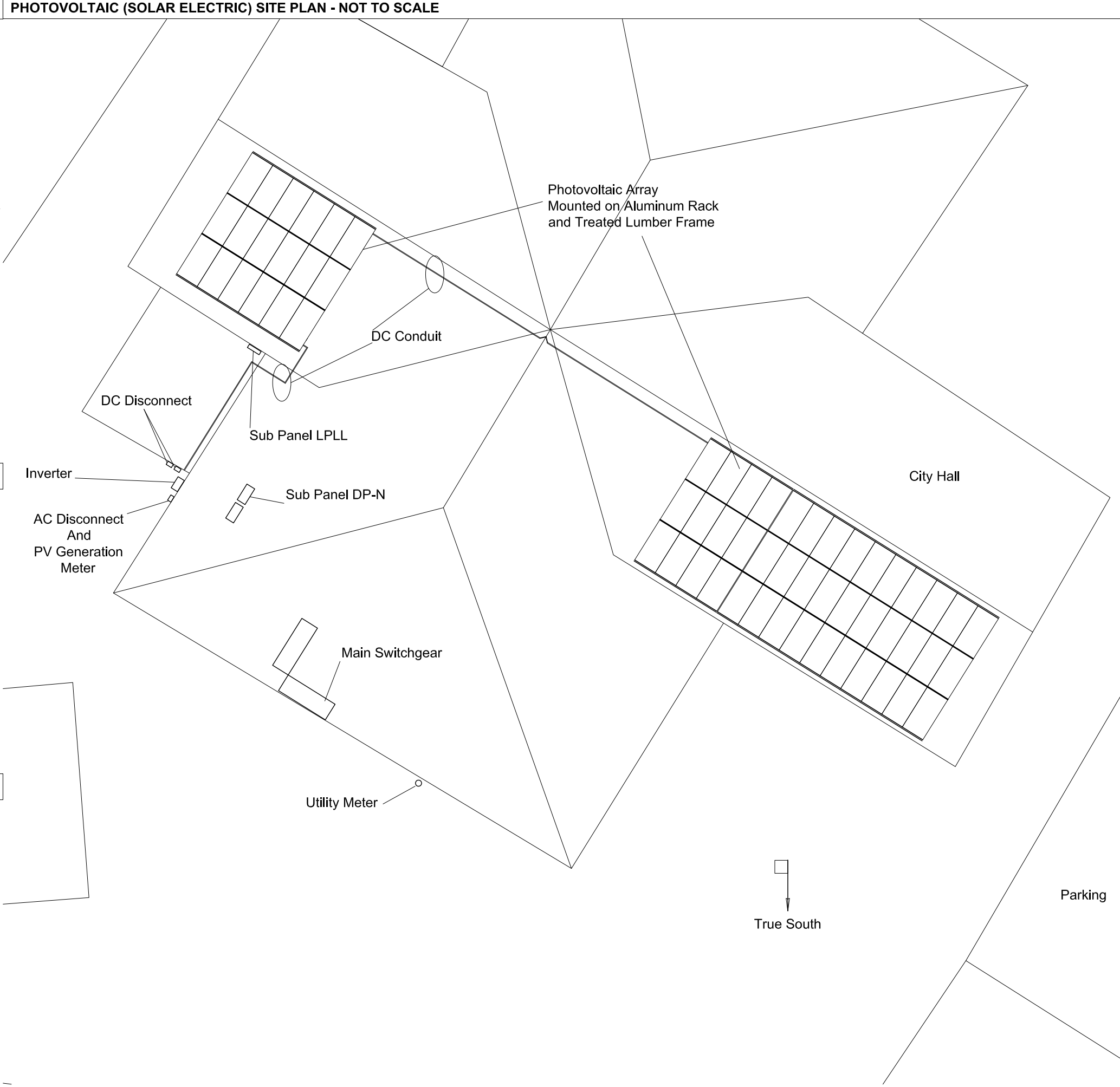
Detail 3

MODULE MOUNTING - SCALE DRAWING



Detail 4

PHOTOVOLTAIC (SOLAR ELECTRIC) SITE PLAN - NOT TO SCALE



HUDSON VALLEY CLEAN ENERGY INC CONFIDENTIAL & PROPRIETARY

HUDSON VALLEY CLEAN ENERGY
SOLAR · WIND · GEOTHERMAL

13 Hook Road, Rhinebeck NY 12572 www.hvce.com

Project

Beacon City Hall 4030 - 20055

Location

1 Municipal Plaza
Beacon, NY 12508
Dutchess County
City of Beacon
Phone
Phone

System Details

Site Map -
13,500Wp DC 11,400Wp AC

Notes

60 SunPower SPR-225 Modules: 3 rows by 6 columns in portrait on W end of S roof plus 3 rows by 14 columns in portrait on E end of S roof.
DC conduit run down corner of adjoining roof to S. DC disconnects accessible at ground level. Inverter board on exterior wall at SE corner of building.
AC run thru lower level drop ceiling to AC intertie in LPLL subpanel in hallway on lower level.

MODULE SPR-225		SYSTEM 3S10	
Voc	48.5V	Voc	485V
Vmp	41.0V	Vmp	410V
Isc	5.87A	Isc	17.6A
Imp	5.49A	Imp	16.5A
TmpCo	.1325	Vmax	565V
Length	61.39"	Imax	22.0A
Width	31.42"	Ides	27.5A

Building Permit #	
Utility Account #	CH #7640-1062-00
Service Type	Underground
Dis/Rec #	
Utility Meter Number	82 858 777
Make/Model/Type	CL 10
Service Detail	3 Ph 208Y/120VAC 1,600A

LEGEND

UNGROUNDED CONDUCTOR
Insulation Color = Black/Red/Blue/Brown/Orange/Yellow

GROUNDED CONDUCTOR
Insulation Color = White/Grey

EQUIPMENT GROUNDING CONDUCTOR (EGC)
Insulation Color = Green/Bare

GROUNDING ELECTRODE CONDUCTOR (GEC)
Insulation Color = Green/Bare

Irreversibly spliced EGC Installed as per NEC 250.64(C)(1) and terminates at GEC or GE ⏚ unless noted otherwise

GE ⏚ Installed near DC disconnect per NEC®2008 690.47(D) except as conditions of NEC®2008 690.47(D) Exceptions No.1 and No.2 apply.

AC/DC = All Conductors THWN-2 Stranded Copper unless noted otherwise

PV Conductors = USE-2 Supplied by Manufacturer
All Extensions #10 USE-2 Stranded Copper

Module Grounding = #10 Bare Solid Copper
Lay-in-Lugs bond Equipment Ground to Module/Rack

Conduit = All Conduit Schedule 40 unless noted otherwise

● = UL listed Connections - All Torqued to Spec

All Equipment to be labeled in accordance with NEC® 2008 article 690

SHEET 1 of 1

Revision **A**	Drafter **JD**	Date **122110**
Revision	Drafter	Date
Revision	Drafter	Date
Revision	Drafter	Date
Revision	Drafter	Date
Revision	Drafter	Date
Revision	Drafter	Date
Revision	Drafter	Date