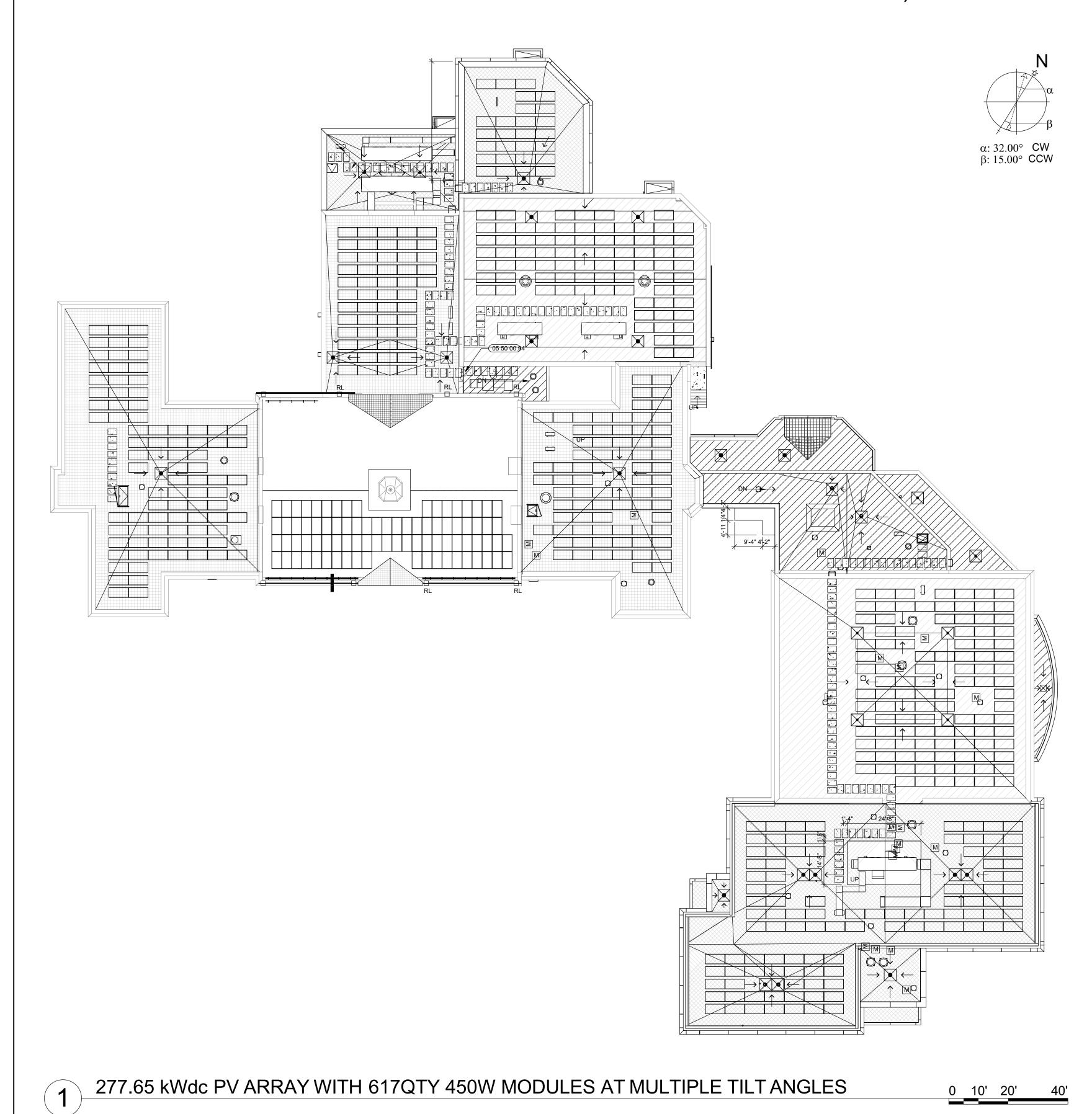
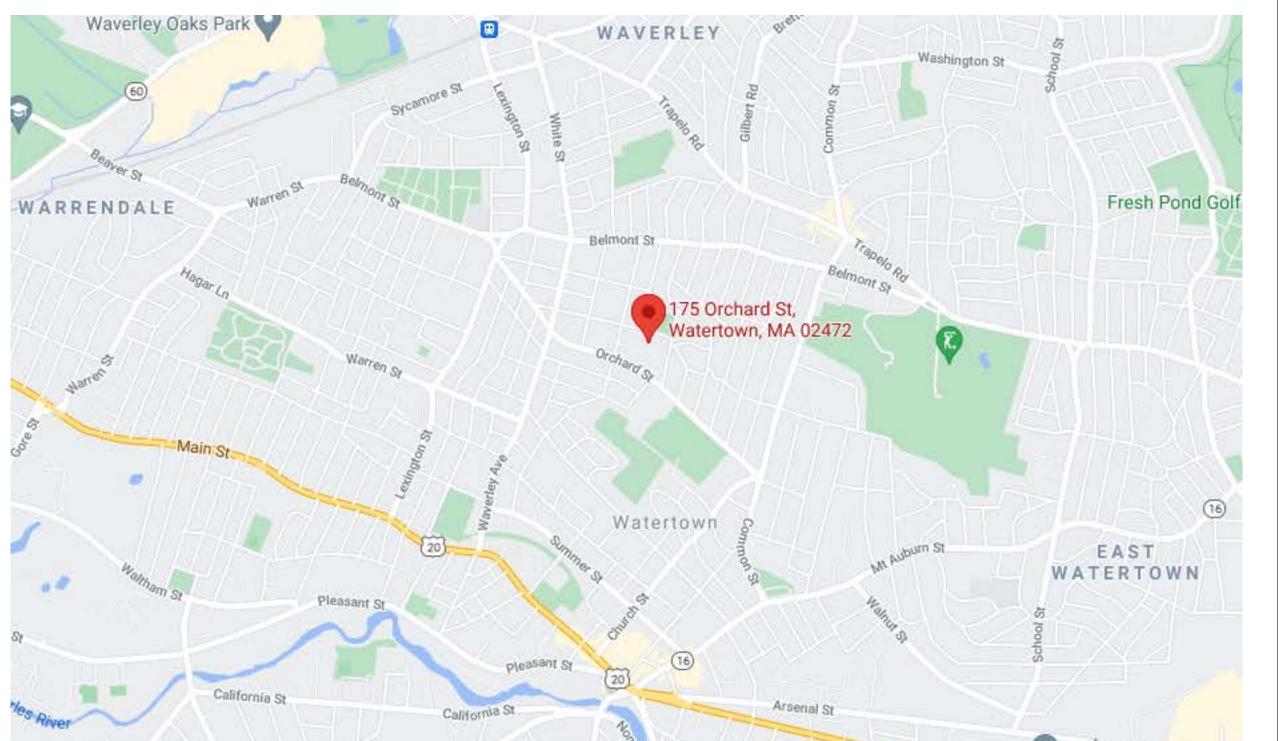
PHOTOVOLTAIC SYSTEM FOR Ai3 ARCHITECT - LOWELL ES

175 ORCHARD ST, WATERTOWN MA 02472





2 LOCUS MAP 0 2500' 5000'



3 SIMILAR PV ARRAY

	10° & 32° FIXED TILT PV ARRAYs AZIMUTH: 148°					
	MODULES	DC POWER	AC POWER	ANNUAL AC ENERGY		
10° BALLASTED ARRAY	617/ 450W	277.65 kWdc	- kWac	282,000 kWhr/yr		
32° FLUSH MOUNT ARRAY	84/ 450W	37.8 kWdc	- kWac	48,000 kWhr/yr		

ESTIMATED ANNUAL ENERGY PRODUCTION BASED ON:
PVWATTS CALCULATOR
LAT, LON 42.37, -71.18 WEATHER DATA
PREMIUM MODULE
16% SYSTEM LOSSES
FIXED (ROOF MOUNT)
96% INV EFFICIENCY





NOT FOR CONSTRUCTION
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SCHEMATIC PURPOSES ONLY

THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. CERTIFICATION O
VALIDATION IS TO BE DONE BY A PROFESSIONAL WITH EXPERTISE IN THI
REQUIRED FIELD AND A LICENSE IN THE STATE THAT THE INSTALLATION
WILL RESIDE. CERTFICIATION OR VALIDATION TO BE INCLUDED AS PART OF
THE SUBMITTALS FOR PERMITTING OF THE OVERALL PROJECT.

Ai3 ARCHITECT - LOWELL ES

ISSI	SCHEMATIC
SUBMISS	Tuesday, July 6, 2021
PROFESSIONAL STAMP	

	MARK DATE		DATE	DESCRIPTION	
REVISION NOTES	-	06/28/2021		SCHEMATIC	
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SIO					
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CONTRACTOR	NAME				
	STREET				
	CITY/ST/ZIP				
Ö	NOTES				
\vdash					
	NAME		Ai3 ARCHITECT - LOWELL ES		
	STREET		175 ORCHARD ST		
SITE	CITY/ST/ZIP		WATERTOWN, MA 02472		
	NOTES				
DRAWING	FILE NAME		2021-0701 Ai3 Architects - Watertown, MA - Lowell E		
	SCALE		AS NOTED		
	DRAWN BY		SMC	DATE DRAFTED: 7/6/2021	
	CHECKED BY		SMC	SHEET SIZE: ARCH D	
	DRAWING NO.			PV001	

PV SITE PLAN