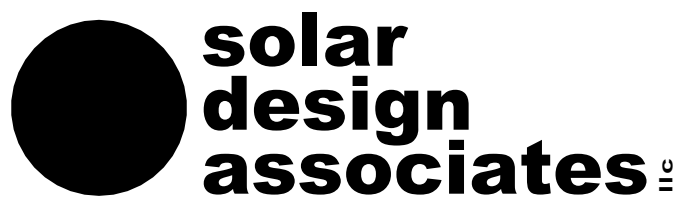
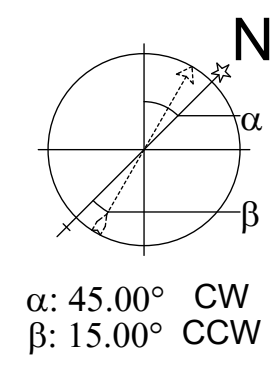
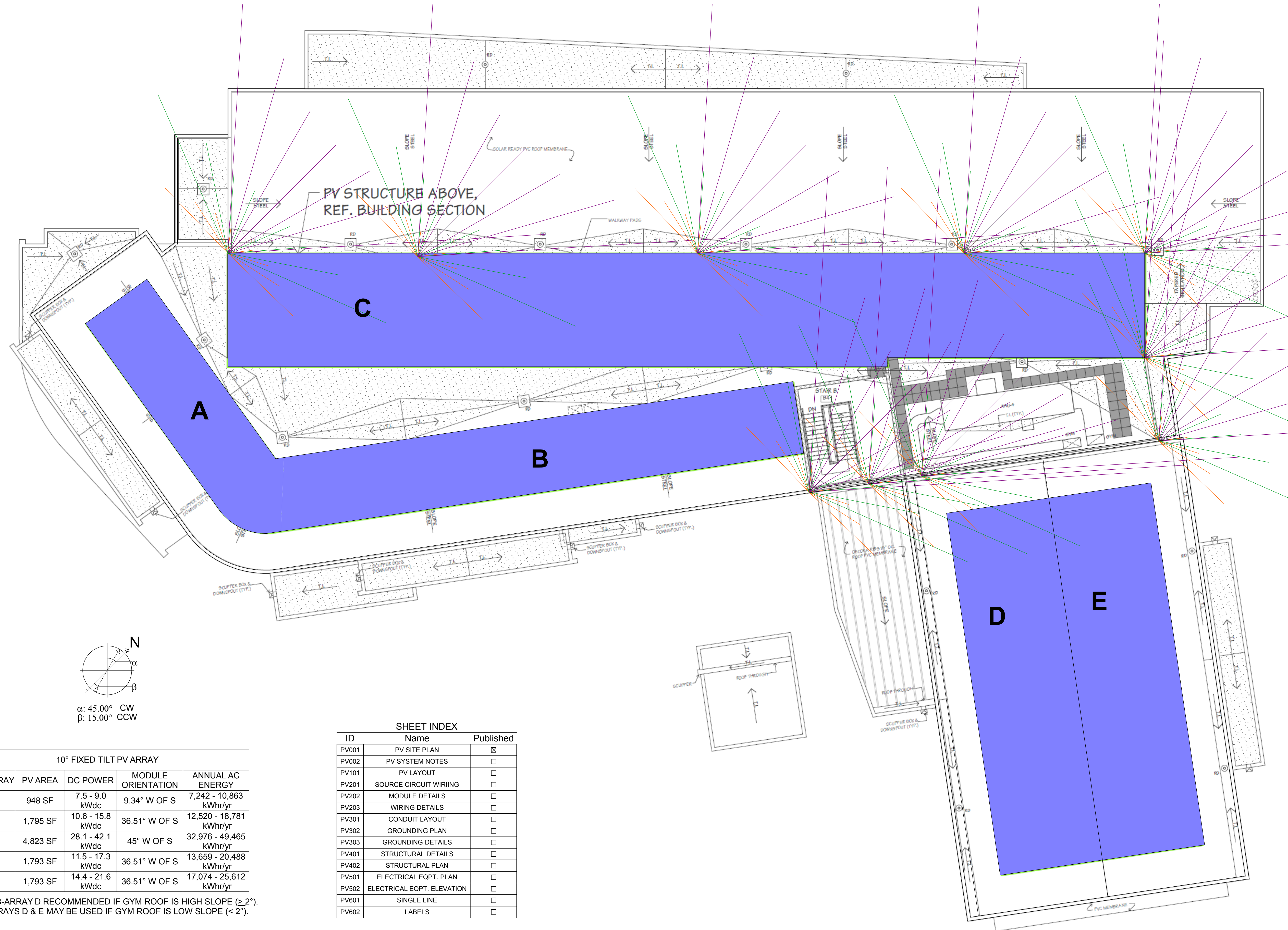


PHOTOVOLTAIC SYSTEM FOR DINISCO - ANGIER SCHOOL

1697 BEACON ST, NEWTON MA 02468



HARVARD, MA 01451-0242 tel: 978-456-6655
www.solar design.com fax: 978-772-8715



10° FIXED TILT PV ARRAY				
SUB-ARRAY	PV AREA	DC POWER	MODULE ORIENTATION	ANNUAL AC ENERGY
A	948 SF	7.5 - 9.0 kWdc	9.34° W OF S	7,242 - 10,863 kWh/yr
B	1,795 SF	10.6 - 15.8 kWdc	36.51° W OF S	12,520 - 18,781 kWh/yr
C	4,823 SF	28.1 - 42.1 kWdc	45° W OF S	32,976 - 49,465 kWh/yr
D	1,793 SF	11.5 - 17.3 kWdc	36.51° W OF S	13,659 - 20,488 kWh/yr
E	1,793 SF	14.4 - 21.6 kWdc	36.51° W OF S	17,074 - 25,612 kWh/yr

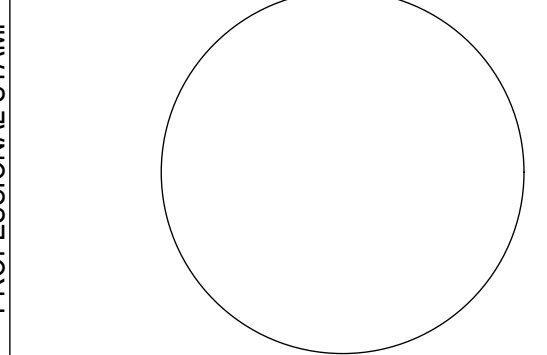
NOTE: SUB-ARRAY D RECOMMENDED IF GYM ROOF IS HIGH SLOPE ($\geq 2^\circ$).
SUB-ARRAYS D & E MAY BE USED IF GYM ROOF IS LOW SLOPE ($< 2^\circ$).

SHEET INDEX		
ID	Name	Published
PV001	PV SITE PLAN	<input checked="" type="checkbox"/>
PV002	PV SYSTEM NOTES	<input type="checkbox"/>
PV101	PV LAYOUT	<input type="checkbox"/>
PV201	SOURCE CIRCUIT WIRING	<input type="checkbox"/>
PV202	MODULE DETAILS	<input type="checkbox"/>
PV203	WIRING DETAILS	<input type="checkbox"/>
PV301	CONDUIT LAYOUT	<input type="checkbox"/>
PV302	GROUNDING PLAN	<input type="checkbox"/>
PV303	GROUNDING DETAILS	<input type="checkbox"/>
PV401	STRUCTURAL DETAILS	<input type="checkbox"/>
PV402	STRUCTURAL PLAN	<input type="checkbox"/>
PV501	ELECTRICAL EQPT. PLAN	<input type="checkbox"/>
PV502	ELECTRICAL EQPT. ELEVATION	<input type="checkbox"/>
PV601	SINGLE LINE	<input type="checkbox"/>
PV602	LABELS	<input type="checkbox"/>

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

DINISCO - ANGIER SCHOOL

FEASIBILITY
Monday, July 15, 2013



MARK	DATE	DESCRIPTION

CONTRACTOR	NAME
	STREET
	CITY/ST/ZIP
	NOTES

BUILDING	NAME
	STREET
	CITY/ST/ZIP
	NOTES

DRAWING	FILE NAME
	SCALE
	DRAWN BY
	CHECKED BY
	DATE DRAFTED: 7/15/2013
	SHEET SIZE: ARCH D

DRAWING NO.	PV001
DRAWING TITLE	PV SITE PLAN
SHEET 1 OF 15	