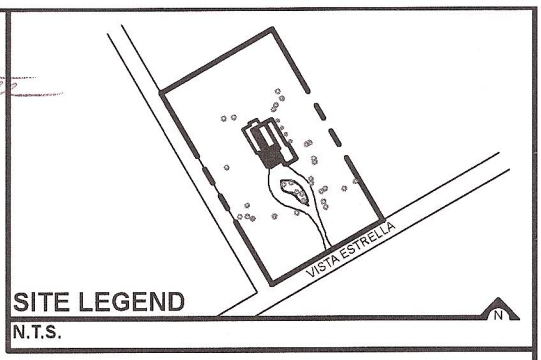
Approved 7-6-11 by Architectural Committee
Dee Hall



SITE PLAN - PV SYSTEM ARRAY

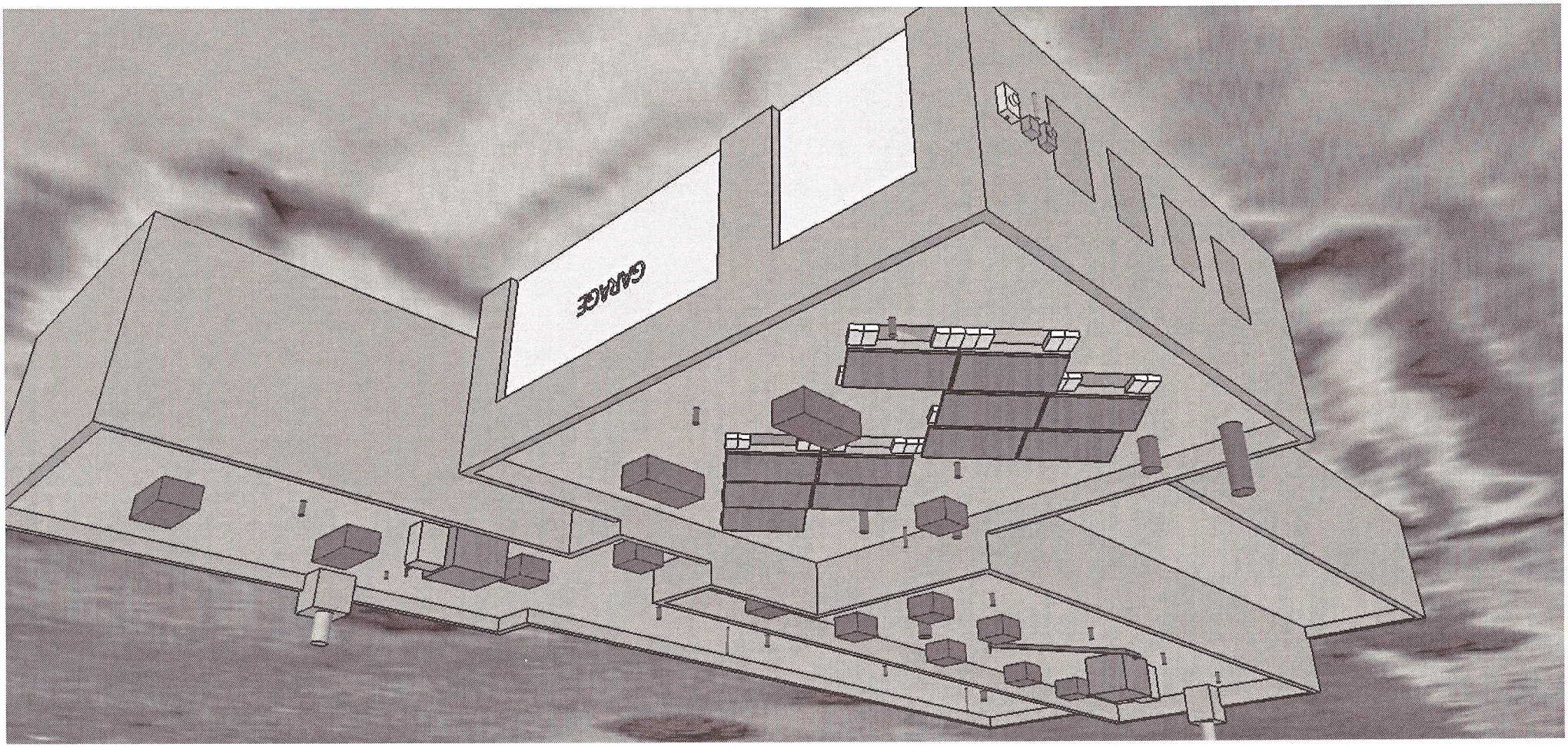
N

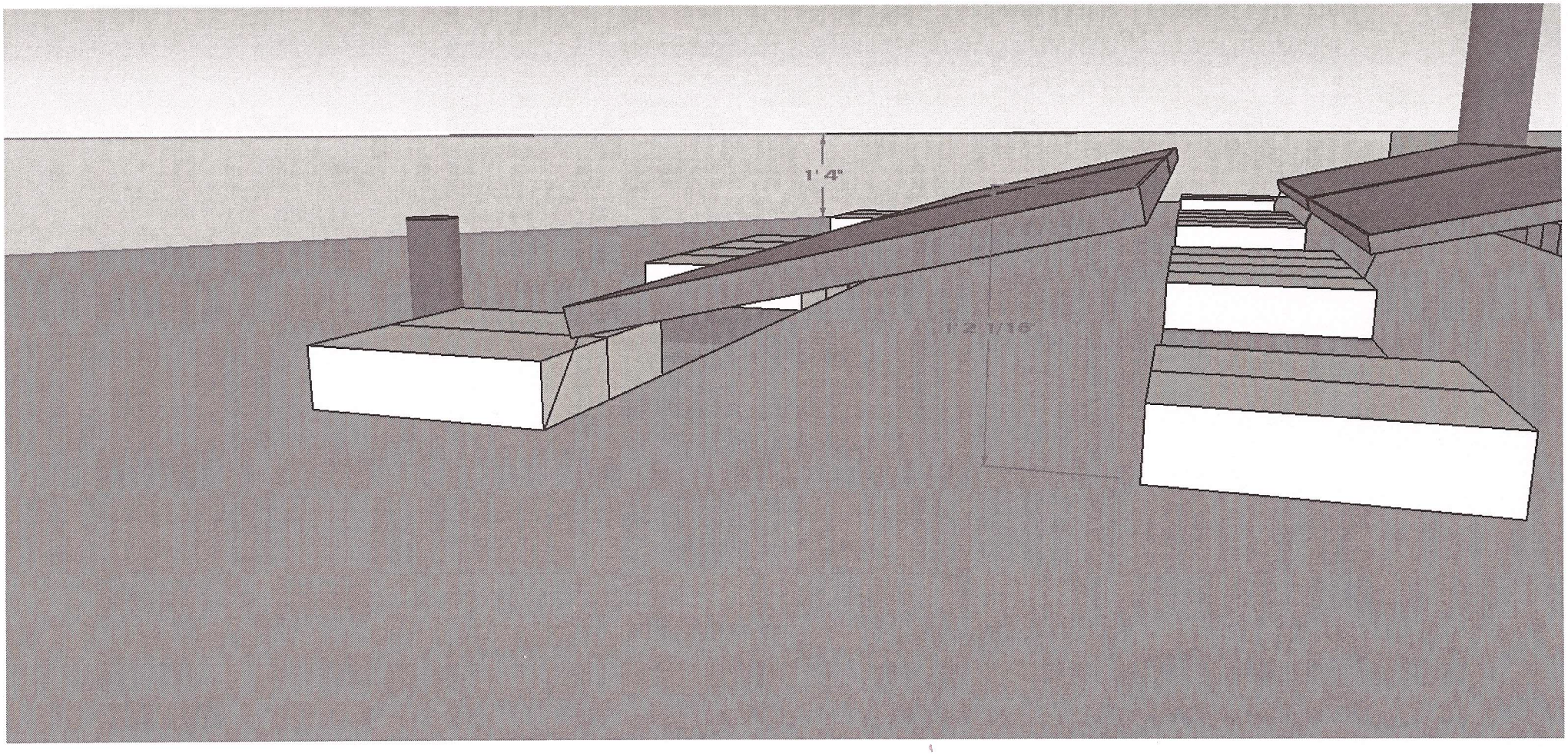
GENERAL NOTES:

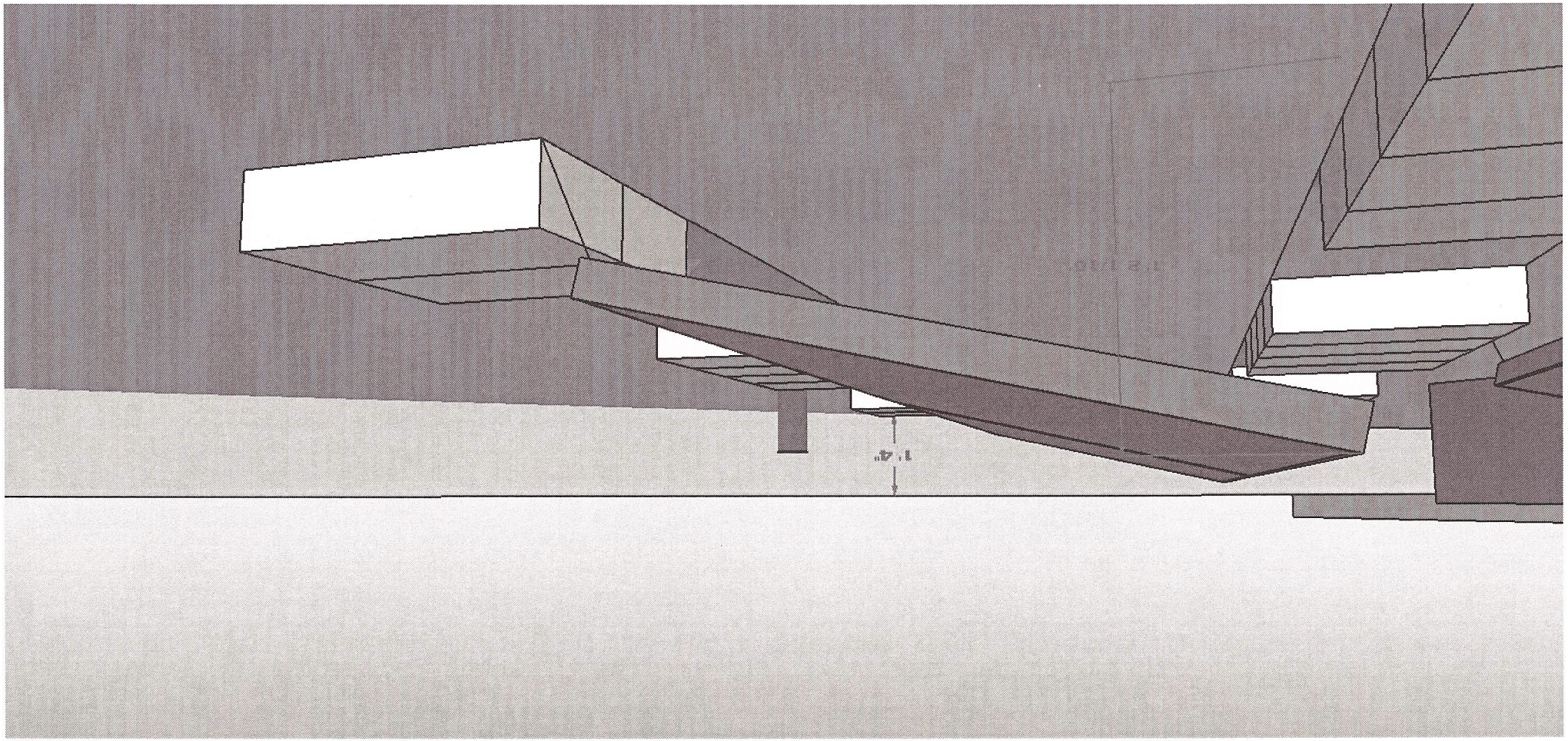
1. THERE ARE NO OPEN **DC CONDUCTORS** IN THIS PV SYSTEM, AS EACH MODULE HAS (1) MICRO-INVERTER.
2. CONTRACTOR SHALL PROVIDE ALL MARKINGS AND LABELING IN ACCORDANCE WITH NEC ARTICLE 690 IV.

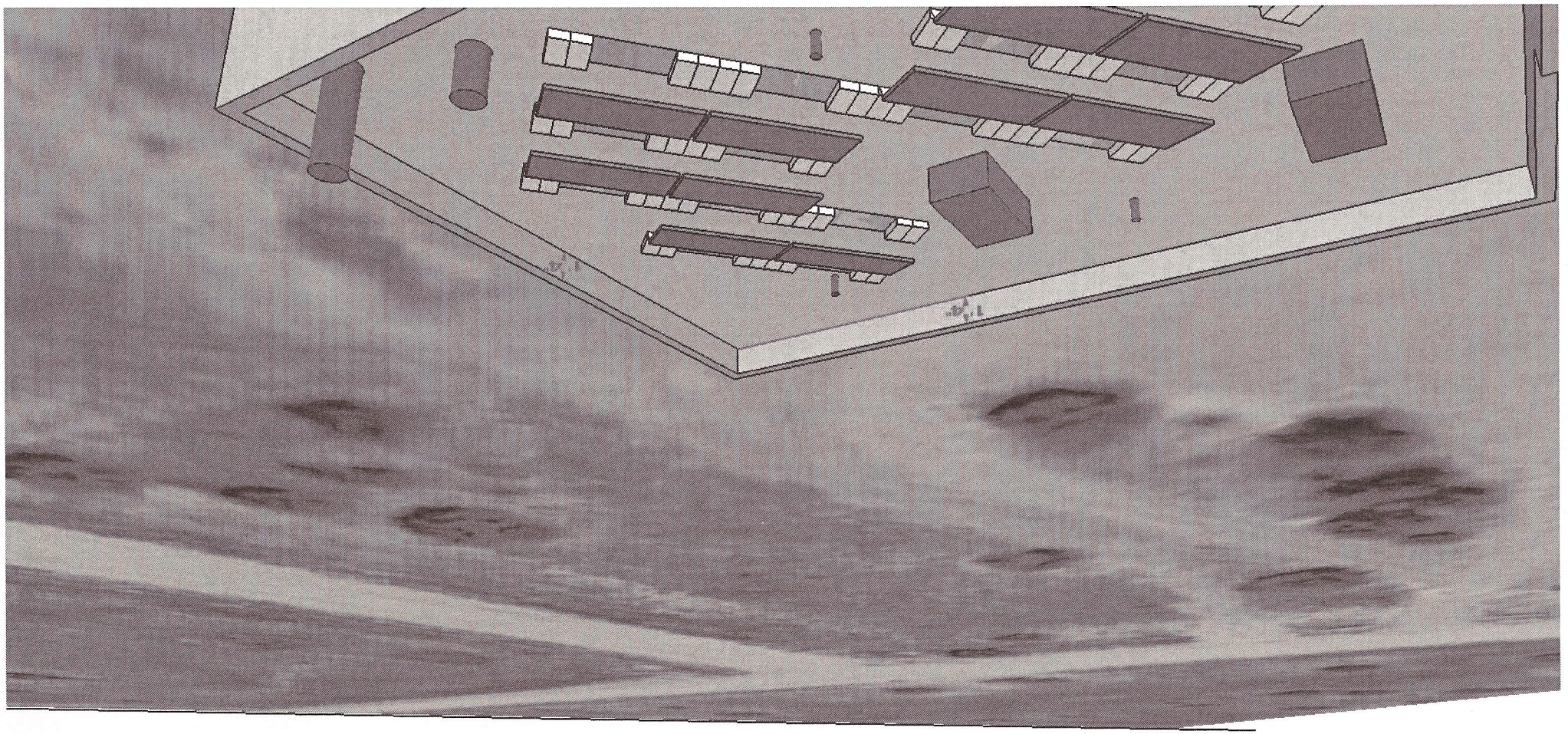
CONSOLIDATED SOLAR TECHNOLOGIES
5225 PINO AVE NE
ALBUQUERQUE, NM 87109
(505) 792-6359
NM CONTRACTORS LIC# 362268

PROJECT NAME	SUPPLEMENTAL DRAWING NO.
15 VISTA ESTRELLA S - LUTHI - RESIDENCE PV SANTA FE, NM 87540	PV01
PROJECT NO.	DATE
1337	JUNE 7, 2011


GARAGE


1' 4"

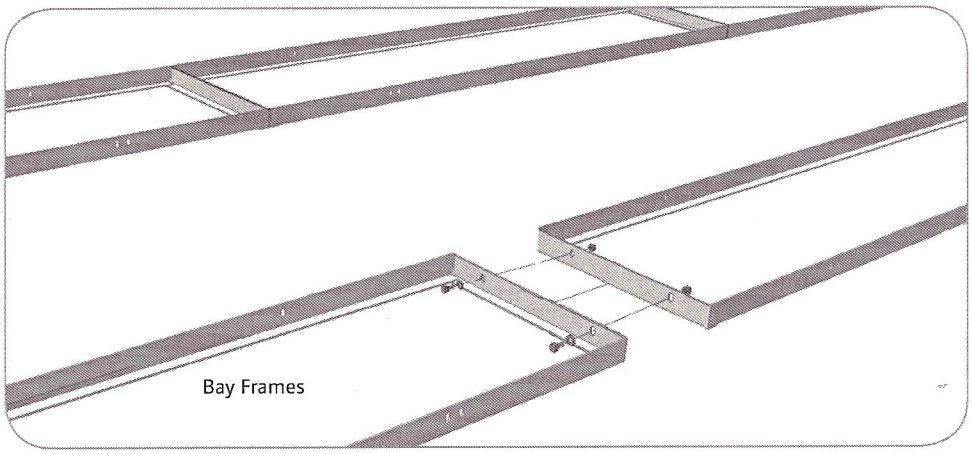




[3.] Assembly

Step 1

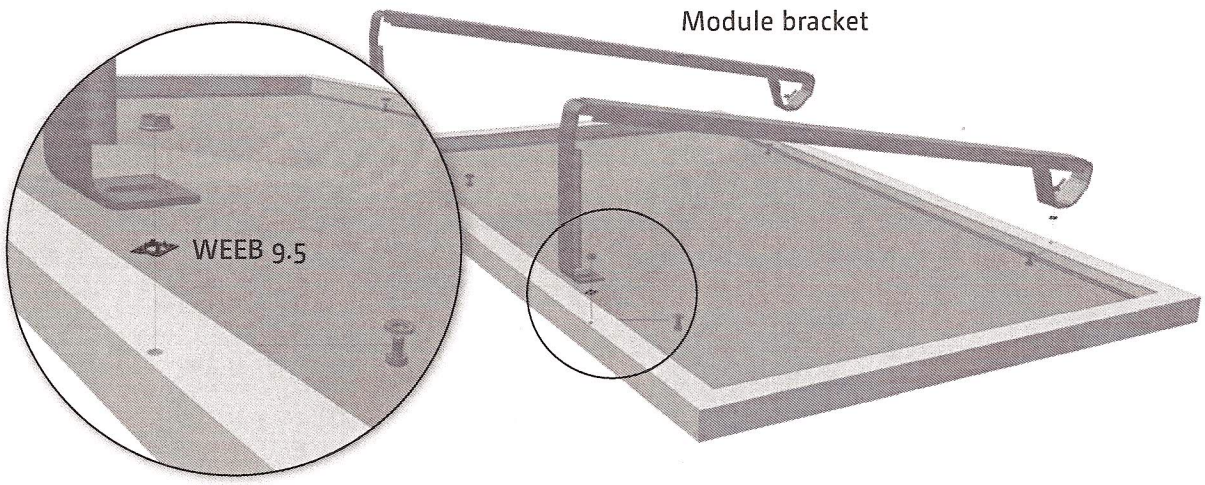
Lay bay frames on roof where array will be installed. Connect bay frames using using bolts, washers and flange nuts. Consult page 16 of this manual for proper uses of WEEB 9.5



Step 2

Attach 2 module brackets to each module using hex bolts, washers and flange nuts on all four connections points, using WEEB 9.5 on frame holes facing in towards the array.

Note: Make sure to use a piece of cardboard to protect the module from the surface of the roof.



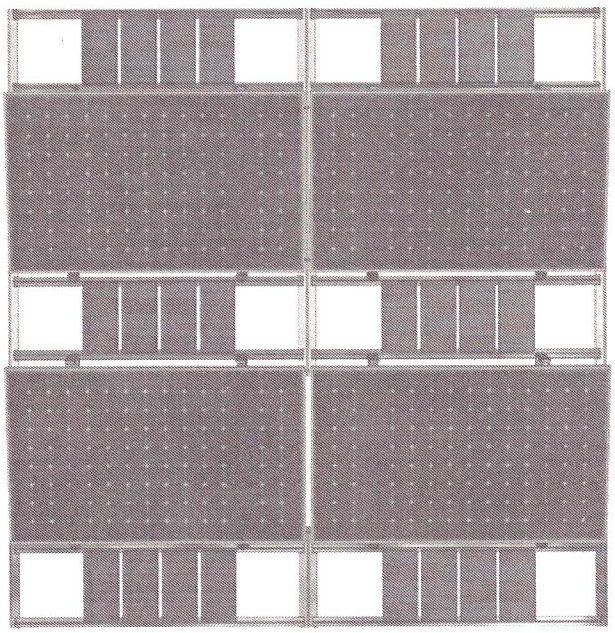
Step 3

Lower module with module brackets between rows of bay frames. Connect using hex bolts and washers on all six connections points. Pressed nuts have been attached to the inside of brackets to speed installation.

Step 4

Ballast requirements vary. Total amount of concrete blocks placed in frame depends on wind speed, exposure, building height and module dimensions.

Parts provided by installer:
Solid Cap Concrete Blocks
(4" x 8" x 16"), 26 lbs.



Note: *Unirac requires that all perimeter ballast blocks be adhered to the bay with Subfloor construction adhesive (BC-490 or equal).*

WEEB 9.5 Grounding

RapidRac is sold with a grounding solution. UniRac utilizes a WEEB 9.5 grounding clip to ground the modules to the RapidRac frame, and the individual frames to each other. The WEEB 9.5 clips are inserted into the RapidRac frame holes with the prongs facing in towards the rack. The module is then placed down on top of the clips and the fastener is used to secure the module to the bracket frames. WEEB 9.5's are also inserted into the holes that interconnect the bay frames as shown. With all WEEB's in place and all fasteners torqued appropriately, the entire array and all modules are grounded and a single ground can be run for the array as appropriate building code requirements.

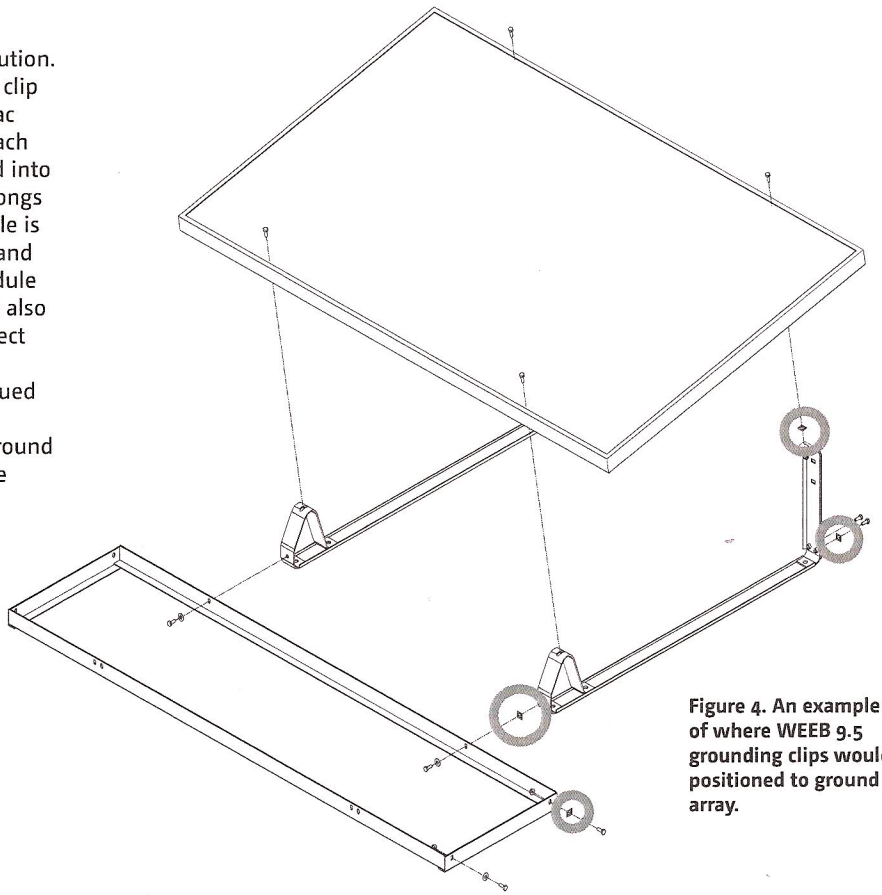


Figure 4. An example of where WEEB 9.5 grounding clips would be positioned to ground an array.