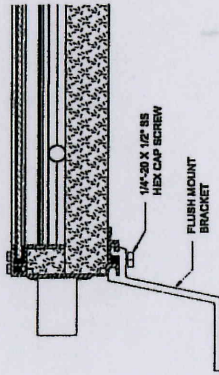
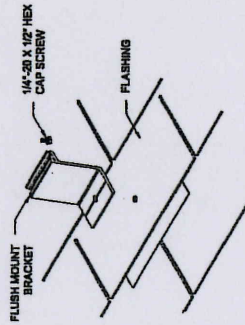


INSTALLATION DETAILS - ALTERNATE MOUNT HARDWARE



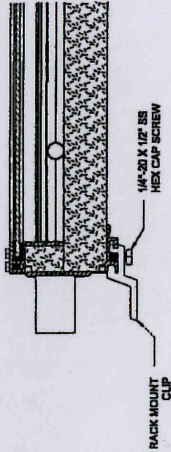
FLUSH MOUNTING HARDWARE

FLUSH MOUNT HARDWARE IS INSTALLED AT EACH CONNECTION POINT AS SHOWN IN THIS DETAIL



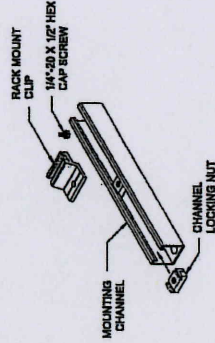
CONNECTION DETAIL

USING MANUFACTURERS HARDWARE FOR PARALLEL MOUNT ON SLOPING ROOFS



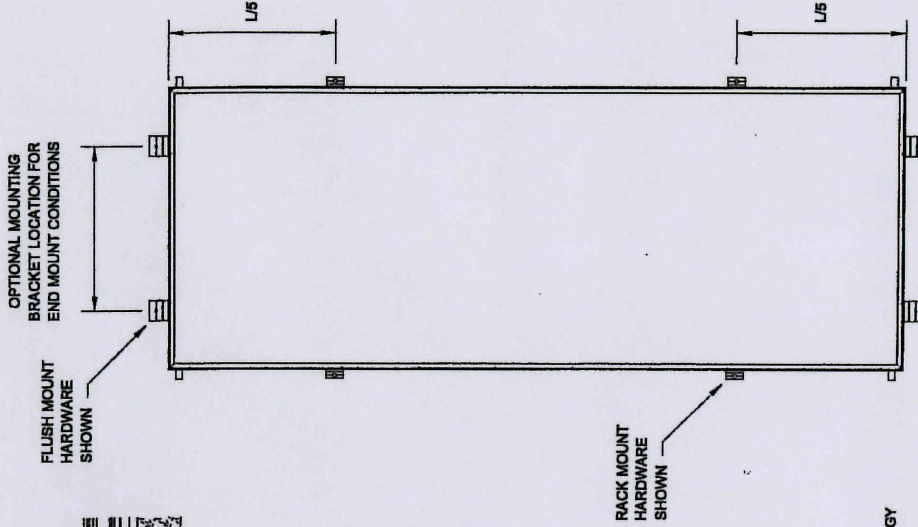
RACK MOUNTING HARDWARE

RACK MOUNT HARDWARE IS INSTALLED AT EACH CONNECTION POINT AS SHOWN IN THIS DETAIL



CONNECTION DETAIL

USING MANUFACTURERS HARDWARE FOR RACK MOUNT ON TILE / SLATE ROOFS



DESIGN WIND PRESSURE
MAXIMUM SUCTION UPLIFT: 61 PSF

General Notes

James A. Marx, Jr.

James A. Marx, Jr.
3/1/09

Professional Engineer
FL Lic. No. 45024

No.	Revision/Issue	Date

Drawn by: JAM
 ALTERNATE ENERGY TECHNOLOGIES, LLC
 1157 N ELLIS RD
 SUITE 4
 JACKSONVILLE, FL 32254

Project Name and Address

Sheet	02 / 08 / 2008	Scale	N.T.S.
Drawn			

AE - 1
SHEET 8 OF 8

NOTES

- 1) THE SOLAR COLLECTOR INSTALLATION AS DETAILED IN THESE DRAWINGS IS FOR THE INSTALLATION OF ALTERNATE ENERGY TECHNOLOGIES AE-SERIES SOLAR COLLECTORS ON STRUCTURES SUBJECTED TO A MAXIMUM UPLIFT PRESSURE OF 61 POUNDS PER SQUARE FOOT (PSF).
- 2) THE DESIGN OF THIS INSTALLATION IS BASED ON REQUIREMENTS OF THE 2007 FLORIDA BUILDING CODE, ASCE 7 AND TESTING OF THE SOLAR COLLECTOR IN ACCORDANCE WITH PA 202 (TAS 202-94), ASTM E 330
- 3) THE INSTALLATION SHALL UTILIZE HARDWARE PROVIDED BY THE MANUFACTURER AS DETAILED IN THESE DRAWING.
- 4) ALL ALUMINUM STRUCTURAL MEMBERS TO BE 6061-T6. ALL STRUCTURAL STEEL MEMBERS TO BE LOW CARBON GALVANIZED STEEL, AND ALL HARDWARE (BOLTS, NUTS, ETC) TO BE STAINLESS STEEL.