

**HEALEY & ASSOCIATES**  
**ENGINEERING AND CONSTRUCTION CONSULTANTS**  
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MERRITT ISLAND, FL 32953  
(321) 452 - 2173  
Fax (321) 459 - 3682  
email: healey@flaenergy.com

**Structural Certification**

**Collector Manufacturer and Address:**

ACR Solar International Corporation  
5840 Gibbons Drive, Suite G  
Carmichael, CA 95608

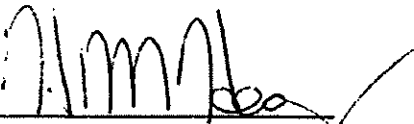
**Collector Model Number:** Fireball 2001

**Gross Area:** 20 Square Feet (SF) **Transparent Area:** 18.7 Square Feet (SF)

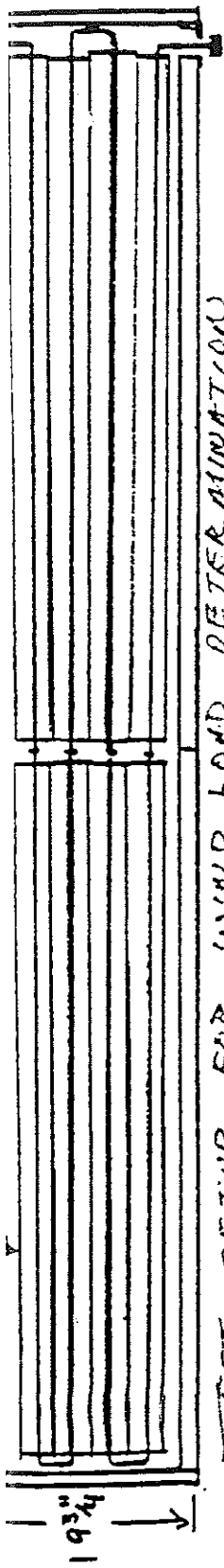
**Type of Glazing:** Extruded Polycarbonate (twinwall)

**Thickness of Glazing:** 0.25 inches

**The undersigned, an engineer registered in the state of Florida, does certify that, having used generally accepted analytical and/or test procedures, has determined that the design wind load that may be applied to the solar collector identified in the heading above when installed as indicated in the attached information is 2,392 Pa (50 psf).**

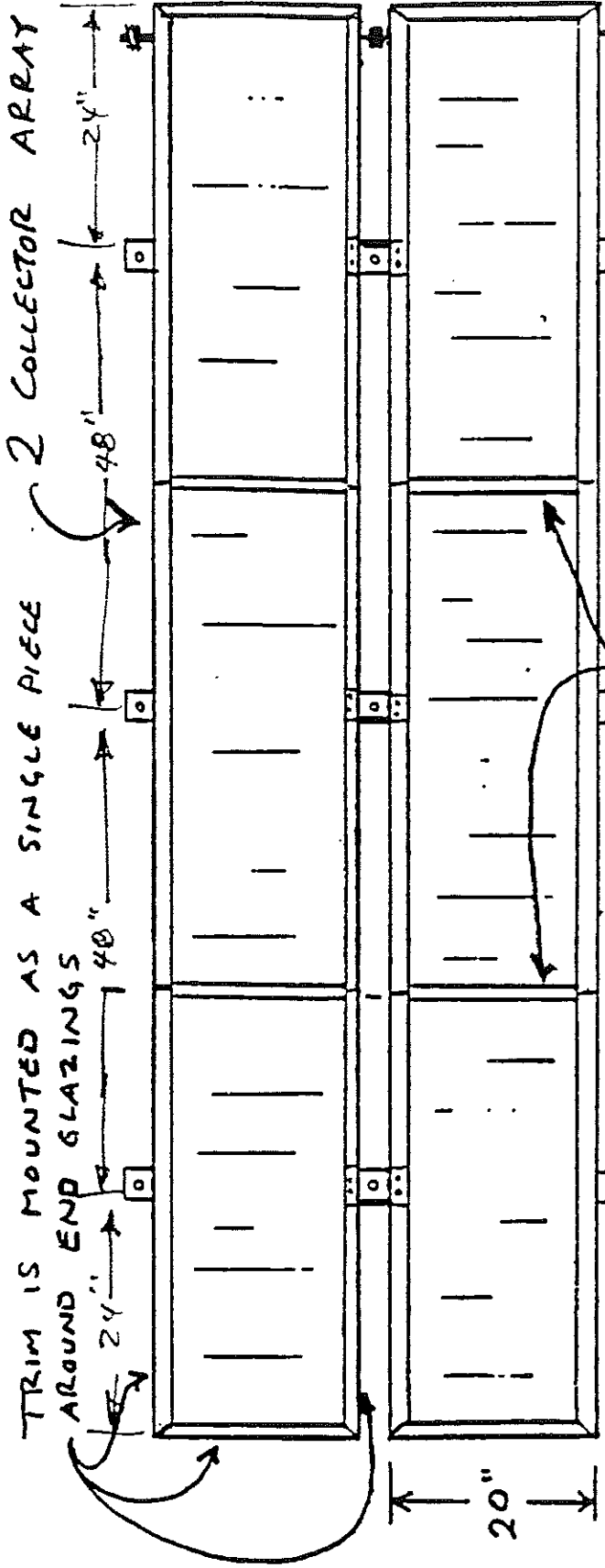
  
\_\_\_\_\_  
*Signature*  
12/15/99  
\_\_\_\_\_  
*Date*

Henry M. Healey, P.E.  
FL Registration No. PE 35056



TEST SETUP FOR WIND LOAD DETERMINATION  
 3 SUPPORT BRACKETS

T.R.T.



TRIM IS MOUNTED AS A SINGLE PIECE AROUND END GLAZINGS

2 COLLECTOR ARRAY

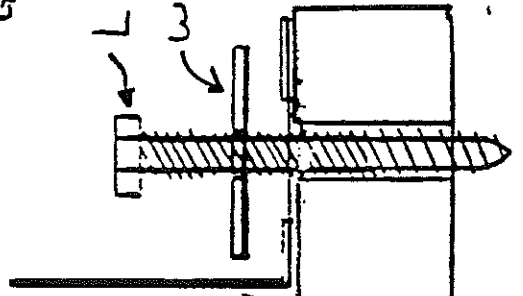
GLAZING MULLIONS 1" X 3/8"

1 1/2" ELL. MOUNTING BRACKET

MOUNTING ELL DETAIL

LAG WASHER

1" SQUARE TUBE MOUNTING RAIL



KCR 1/6/99