

# **BRACKET AND SUPPORT INFORMATION FOR PHOTOCELLS AND REFLECTORS FOR SNOWMOBILE RACING**

The Photo Cells for the sport of snowmobile racing should be set up as follows:

<b>Height --</b> Start E.T./Guard Beams	15 inches high
All other locations	12 inches high

## **PRESTAGE - - STAGE - - GUARD SPACING**

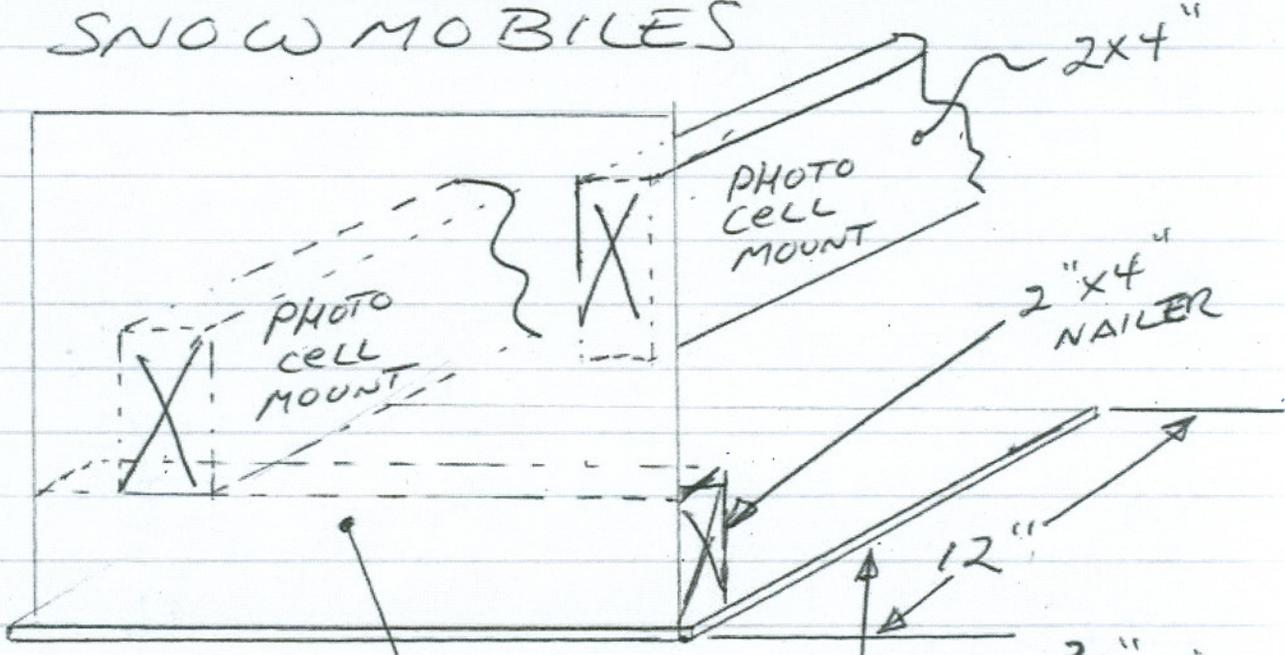
7 Inches between Prestage and Stage (if using 3 beams)  
15-24 Inches between Stage and Guard beam

**\*\*We recommend 15 inches between stage (prestage) and start E.T. (stage)\*\***

The reflector type infrared photo cells should be mounted on rigid supports so that they will not be affected by the wind or melting ice and snow. Even though they have an ample deflection angle to avoid misalignment problems, it is best to avoid the problem before it happens. Usually misalignment happens when the detector is on the edge of the target. Read alignment procedures to prevent this problem.

The reflectors should be mounted in the center of a 12-inch piece of plywood that is painted flat black. The reflector can be shielded from direct sunlight by a small coffee can that is mounted on the plywood first and the reflector is located at the bottom of the can. Make sure the can is painted flat black. The detector can be shielded from direct sunlight by locating a hood over it. This can be made from a piece of PVC pipe split down the length of the pipe. Reflectors should also be mounted very rigid.

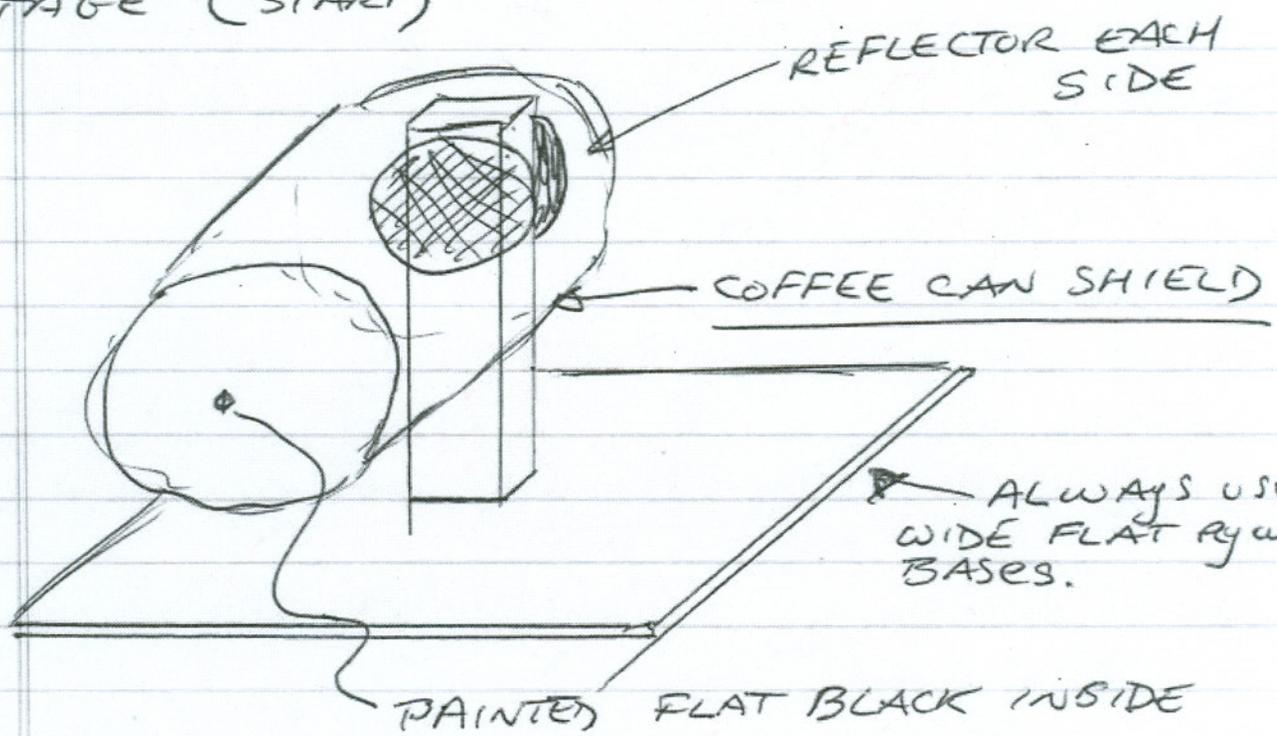
# BRACKET SKETCH FOR PHOTO CELLS FOR SNOW MOBILES



START LINE  
BRACKET FOR  
PRESTAGE (STAGE)  
AND STAGE (START)

PLYWOOD SIDES  
FOR RIGIDITY

PLYWOOD  $\frac{3}{8}$ " MIN.  
BASES - AT ALL  
LOCATIONS -



ALWAYS USE  
WIDE FLAT PLYWOOD  
BASES.

ANCHOR BASES DOWN WITH SPIKES ON  
BRICKS