Appendix E

Sketch of Capture Hood
With Dimensions

Area = A+B+C+D+E+F = 2460 in²

A = (3.5)(5) = 17.5

B = (48)(32) = 1536

C = (32)(20.75) = 664

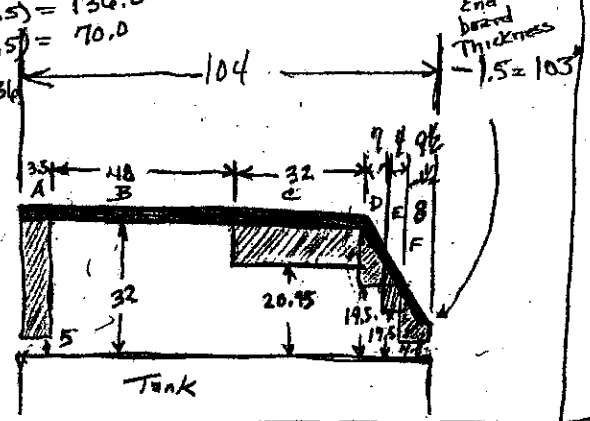
D = (7)(19.5) = 136.5

E = (4)(17.5) = 70.0

F = (8)(4.5) = 36

Fremed Plastic (1½" thick Frame)

Draping Plastic



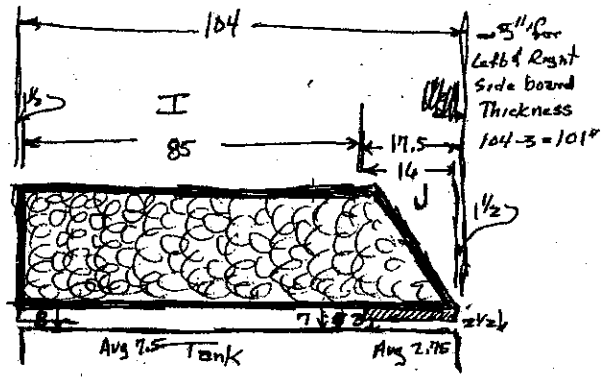
FRONT

REAR

Area = I + J = 681.5 in²

I = (85)(7.5) = 637.5

J = (16)(2.75) = 44



Area

~~A = (3.5)(5) =~~

~~B = (32)(48) =~~

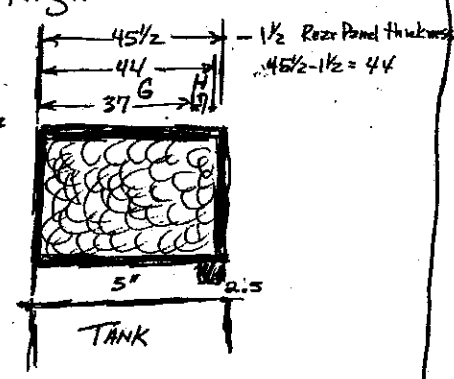
~~C = (20.75)(32) =~~

Area = G + H = 202.5 in²

G = (37)(5) = 185

H = (7)(2.5) = 17.5

Right Side



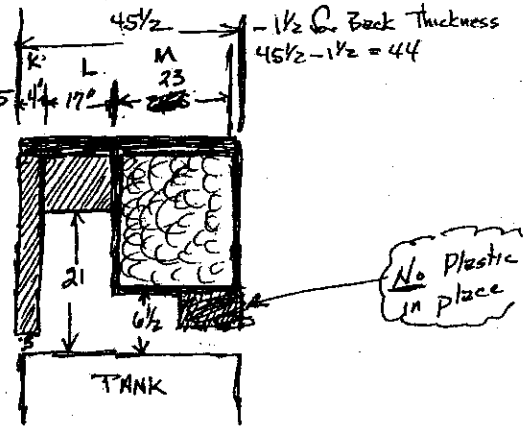
A = K+L+M = 526.5 in²

Left Side

K = (4)(5) = 20

L = (17)(21) = 357

M = (23)(6.5) = 149.5



Total Open Area between Hood & Tank Front + Back + Right Side + Left Side =

2460 + 681.5 + 202.5 + 526.5 = $\boxed{3870.5 \text{ in}^2}$