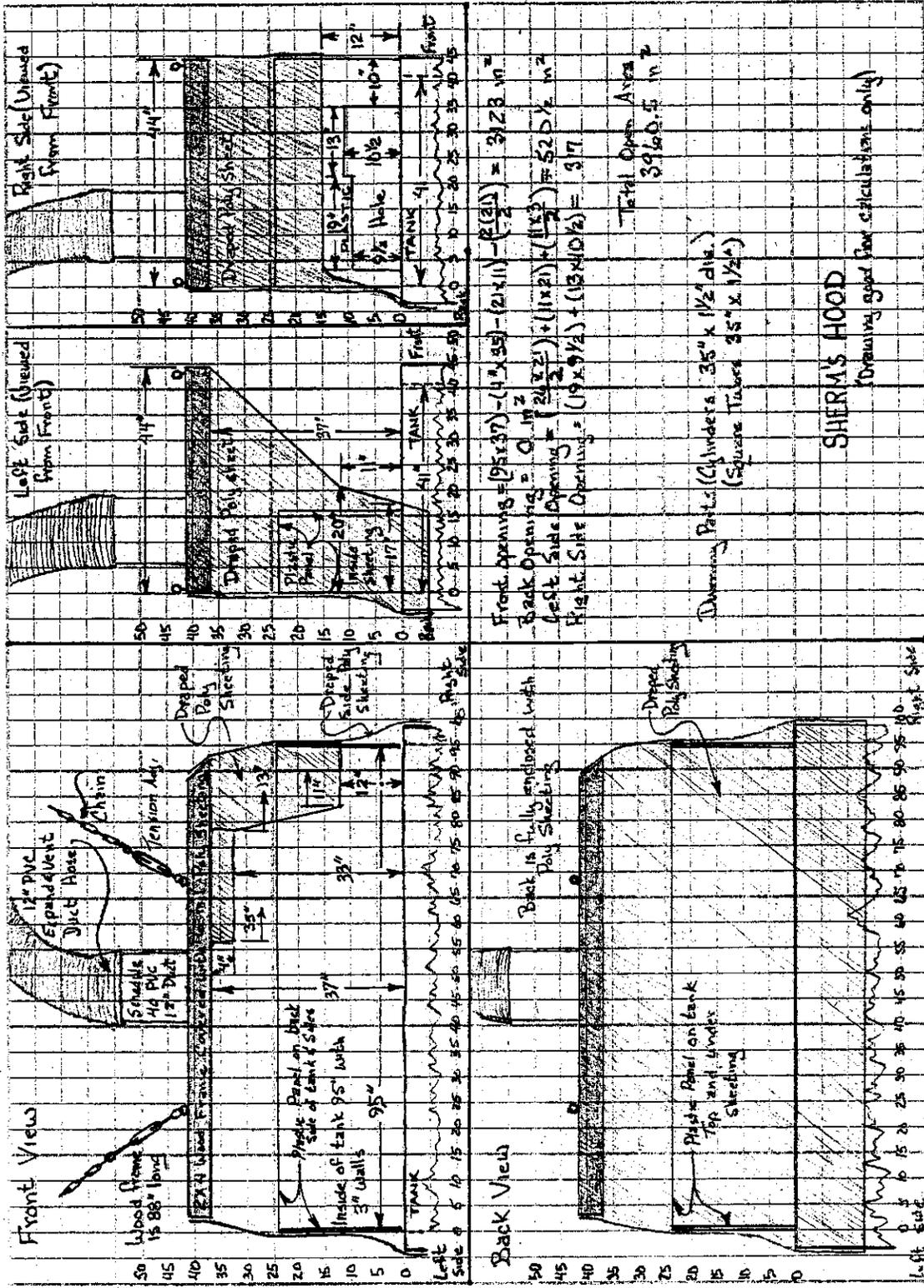


Appendix D  
Capture Hood Drawing  
(as used)



$$\text{Front Opening} = (95 \times 37) - (4 \times 35) - (2 \times 11) - \left(\frac{\pi(21)^2}{2}\right) = 323 \text{ m}^2$$

$$\text{Back Opening} = 0 \text{ m}^2$$

$$\text{Left Side Opening} = \left(\frac{34 \times 21}{2}\right) + \left(\frac{11 \times 3}{2}\right) = 52 \frac{1}{2} \text{ m}^2$$

$$\text{Right Side Opening} = (19 \times 9 \frac{1}{2}) + (13 \times 10 \frac{1}{2}) = 317$$

Total Open Area = 3960.5 m<sup>2</sup>

Ducting Pat. (Cylinders 36" x 1 1/2' dia.)  
(Square Tubing 35" x 1 1/2')

### SHERM'S HOOD

(Drawing good for calculations only)