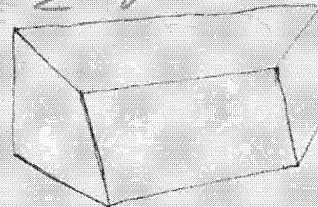


Pail Spacecraft.

SECRET

TOTAL VOLUME AVAILABLE FOR CUSTOMER $\approx 2 \frac{3}{4} \text{ ft}^3$

VRP file



$$V_1 = 2 \times \frac{3}{4} \times \frac{1}{2} = \frac{3}{4} \text{ ft}^3$$

$$V_2 = \frac{1}{2} V_1 = \frac{3}{8} \text{ ft}^3$$

$$V_3 = \frac{1}{6} \text{ ft}^3$$

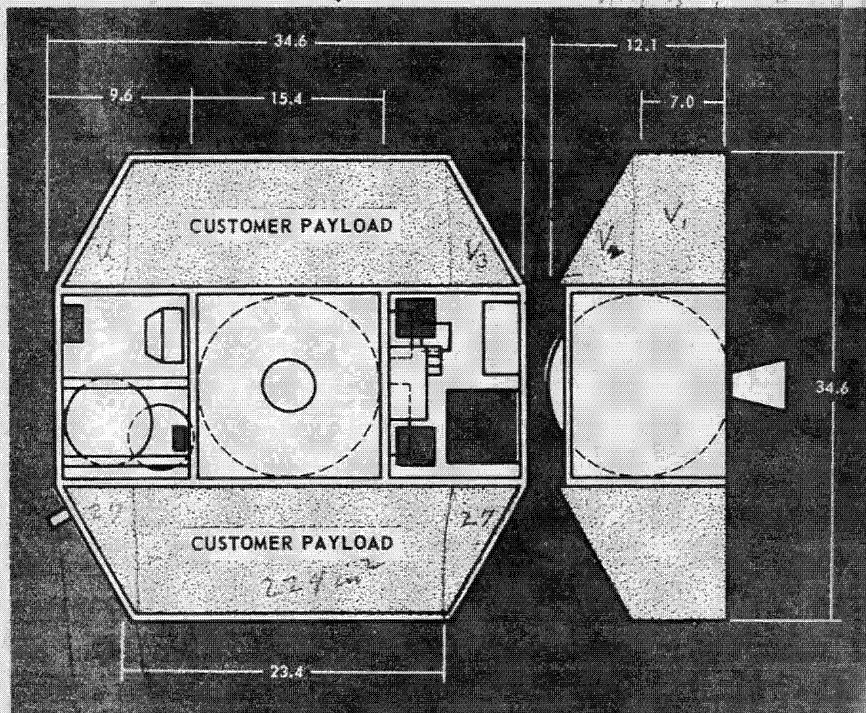
$$V_4 = \frac{1}{32} \text{ ft}^3$$

$$V_1 + V_2 + V_3 + V_4 = 1 \frac{3}{8} \text{ ft}^3$$

25X1

TECHNICAL DATA

- Useful Orbital Life: 6 months
- Vehicle Weight: (including payload) 130 to 250 pounds
- Payload Weight: to 200 pounds
- Dimensions: approximately 35 x 35 x 13 inches (rocket motor nozzle extends an additional 4 inches along the thrust axis)
- Method of Stabilization: spin stabilized (60 to 80 rpm)
cold gas ejected through 2 spin nozzles
- Propulsion System: any of 3 solid rocket motors for high and low orbit capability
 - Nominal Total Impulse: 1237 pound-seconds (513 pounds thrust for 2.41 seconds)
 - Model 0207: 17,650 pound-seconds (856 pounds thrust for 20.6 seconds)
 - Model 1207: 800 pound-seconds per motor (1000 pounds thrust for 0.8 second)
- Electrical Power System: solar cells with secondary battery voltage limiter and control circuits for 22 to 29.25 volts dc
power available/day 280 watt-hours
orbital-launched from Agena or other space vehicle
- Launch System: swing-out launching frame incorporating soft-spring system for satellite separation



34.6

1000... does not... had

224
54
278
26

556 IN²
P.11.

BYEMAN... CONTROL SYSTEMS JOINTLY
24" satellite

25X1