

21 JAN 22

27' FC $A_{27} = A_6 + A_{21}$

3' NOSE + TAIL CAPS

27 - 6 = 21' Fuselage

1500 W Heater

21° DAT

44° IAT

$$Q = UA\Delta T$$

$$1500W = 5120B$$

$$5120B = UA_{27}(44 - 21)$$

$$\frac{5120B}{(44 - 21)} = UA_{27}$$

$$\frac{5120B}{23^\circ} = UA_{27}$$

$$UA_{27} = 222.6 \frac{B \cdot SF}{^\circ F}$$

MBH REQUIRED

