



# ENGINEERING, INC.

Consulting Structural and Civil Engineers

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Raytown, Missouri 64133  
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JOB 1404 NE ERNEST WAY

SHEET NO. 1 OF 1

CALCULATED BY APH DATE 12/27/23

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

SCALE \_\_\_\_\_

COMBUSTION AIR - FURNACE

FURNACE - WINCHESTER TM9E100C16MP12

GAS HEAT

HEATING BTU = 100,000

AIRFLOW = 1600 CFM

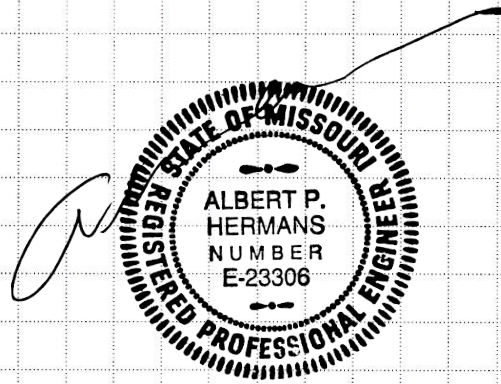
MIN. REQD. ROOM VOLUME =  $50 \text{ ft}^3 / 1000 \text{ BTUH}$

REQD VOLUME =  $100 \times 50 = 5000 \text{ ft}^3$

REC ROOM VOLUME =  $30'-10" \times 23'-0" \times 9'-0" = 6382 \text{ ft}^3$

FURNACE OPEN TO REC ROOM.

REF. 2018 IRC G2407.5.1 (304.5.1)



12/29/23