



# CITY of SPRING LAKE PARK

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## Furnace Size Calculation Worksheet

SITE ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_

HEATING CONTRACTOR \_\_\_\_\_ PHONE \_\_\_\_\_

GENERAL CONTRACTOR OR OWNER \_\_\_\_\_ PHONE \_\_\_\_\_

CALCULATIONS PREPARED BY \_\_\_\_\_ PHONE \_\_\_\_\_

The design information below must be determined from the building plans/specifications. BTUH

1. Sq. feet of exposed wall area above grade \_\_\_\_ x "U" \_\_\_\_ x 88 degrees \_\_\_\_\_
2. Sq. feet of exposed window area \_\_\_\_ x "U" \_\_\_\_ x 88 degrees \_\_\_\_\_
3. Sq. feet of exposed door area \_\_\_\_ x "U" \_\_\_\_ x 88 degrees \_\_\_\_\_
4. Sq. feet of ceiling area \_\_\_\_ x "U" \_\_\_\_ x 88 degrees \_\_\_\_\_
5. Sq. feet of basement floor area \_\_\_\_ x 2 BTUH/square feet \_\_\_\_\_
6. Sq. feet of basement wall area below grade \_\_\_\_ x 3 BTUH/square feet \_\_\_\_\_
7. Lin. feet of infiltration for windows \_\_\_\_ x (0.34) x (1.085) x 88 degrees \_\_\_\_\_
8. Sq. feet of infiltration for doors \_\_\_\_ x (0.5) x (1.085) x 88 degrees \_\_\_\_\_
9. Sq. feet of infiltration for sliding glass doors \_\_\_\_ x (0.5) x (1.085) x 88 degrees \_\_\_\_\_
10. Allowance for kitchen and bath fans: # \_\_\_\_ kitchen fans @ 600 BTUH each \_\_\_\_\_  
# \_\_\_\_ bath fans @ 200 BTUH each \_\_\_\_\_
11. Allowance for fireplaces: # \_\_\_\_ @ 1,300 BTUH each \_\_\_\_\_
12. Mechanical Ventilation: Exhaust CFM \_\_\_\_\_ x (1.085) x 88 Degrees \_\_\_\_\_
13. Total BTUH loss for all above items – minimum required furnace output \_\_\_\_\_
14. Maximum allowed furnace output\* is Line 13 x 1.43 \_\_\_\_\_

\*Furnace output may be oversized to include a safety factor and pick-up loads but may not exceed 43%.

Applicant Signature \_\_\_\_\_