

Date: July 21, 2022
File #: 21 - 271067
Folder Name: 1378 LINCOLN AVE
PIN: 032823310059



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Winter Design Temp: -15 degrees

HEAT LOSS LOAD CALCULATION

Customer Address 1378 Lincoln Ave St Paul, MN 55105

BASEMENT
 Running Walls Below Grade: 7.00 X Wall Height 118.00 = 826.00 SQUARE FT OF GROSS WALL BELOW GRADE
 - MINUS -
 12.00 SQUARE FT OF GROSS WINDOWS + DOORS
 = EQUALS =
A 814.00 NET WALL BELOW GRADE

FIRST FLOOR
 Running Walls: 9.00 X Wall Height 122.00 = 1,098.00 SQUARE FT OF GROSS WALL FIRST FLOOR
 + PLUS +

SECOND FLOOR
 Running Walls: 7.00 X Wall Height 88.00 = 616.00 SQUARE FT OF GROSS WALL SECOND FLOOR
 + PLUS +

THIRD FLOOR
 Running Walls: X Wall Height = 0.00 SQUARE FT OF GROSS WALL THIRD FLOOR
 - MINUS -
 188.00 SQUARE FT OF GROSS WINDOWS + DOORS
 = EQUALS =
B 1,526.00 NET WALL ABOVE GRADE

Windows + Door (SF) 200.00 X HTM 50 (DOUBLE GLASS) = 10,000.00 BTU

Infiltration 260.00 X HTM 50 (LOOSE) = 13,000.00 BTU
 (Windows + Doors) X1.3

A Net Wall Below Grade 814.00 X HTM 5 = 4,070.00 BTU

B Net Wall Above Grade 1,526.00 X HTM 7 (4"+) = 10682 BTU

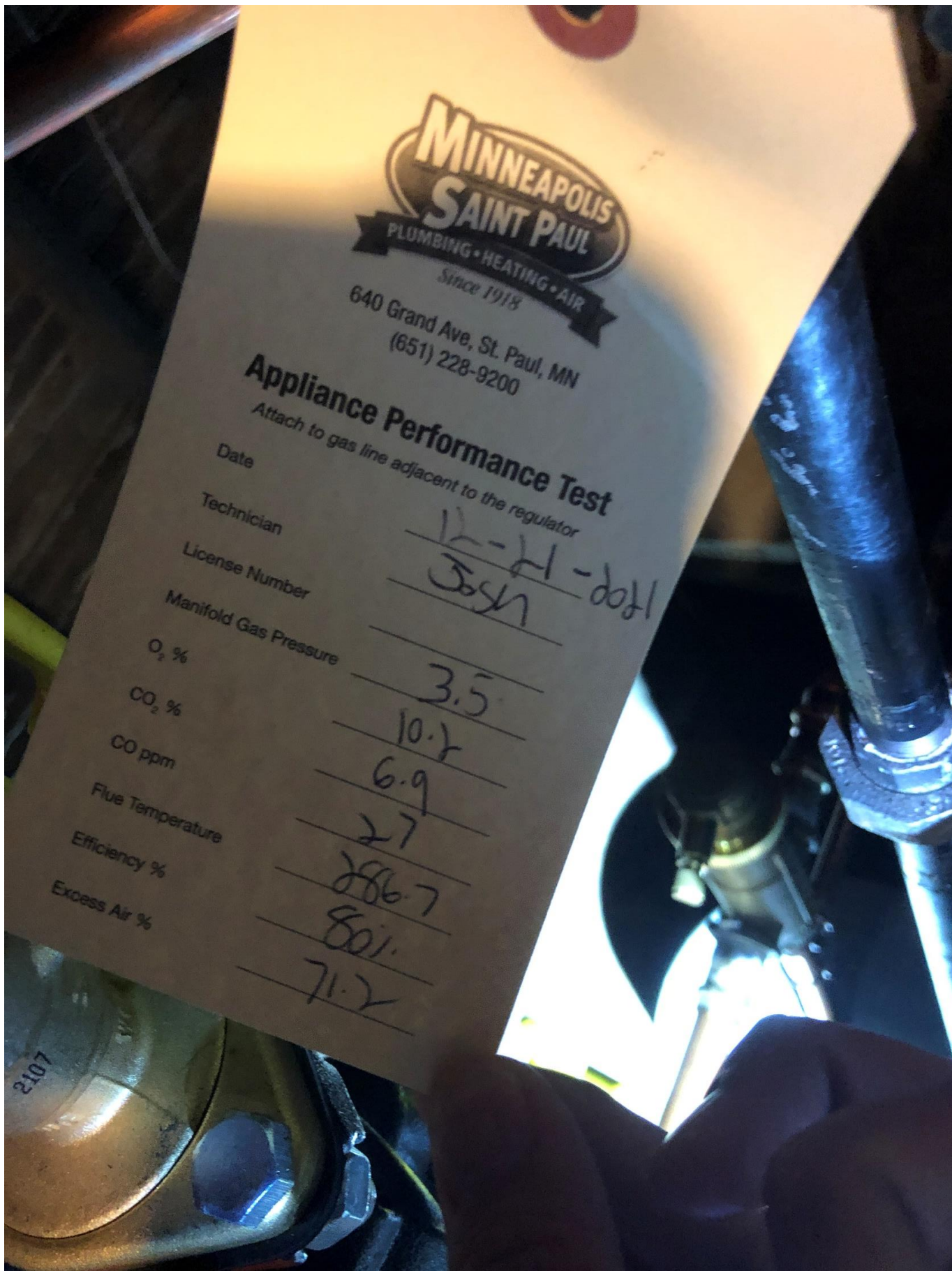
Ceiling Square Feet 720.00 X HTM 9 (4"+) = 6480 BTU

Floor Square Feet 1,180.00 X HTM 2 (Below Grade) = 2,160.00 BTU

46,392.00 TOTAL BTU

ATMOSPHERIC GAS BOILER
 Improper installation, adjustment, alteration, service or maintenance can cause property damage.
 W A R N I N G

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