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

TOTAL BTU 46,392.00

MINNEAPOLIS SAINT PAUL
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(651) 228-9200

Appliance Performance Test
Attach to gas line adjacent to the regulator

Date	7-21-2022
Technician	Josh
License Number	
Manifold Gas Pressure	3.5
O_2 %	10.7
CO_2 %	6.9
CO ppm	27
Flue Temperature	286.7
Efficiency %	80%
Excess Air %	71.7

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