Abbreviated Report Form N1107.1 Heating Energy Analysis Comparison Report

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Builder=s Name:				
Project Address:				
City/Township/County:		And 100 May 10	Alican am tourish	and the to

PROPOSED ALTERNATIVE HOUSE		STANDARD DESIGN HOUSE		
ROOF/CEILING (INC. SKYLIGHTS)	SUBTOTALS	ROOF/CEILING (INC. SKYLIGHTS)	SUBTOTALS	
A ₁ /R ₁ = A ₁ /R ₁				
$A_2 = R_2 = A_2 / R_2 = A_$	sis ne dista			
$A_3 = A_3 /R_3 = A_3 /R_3$				
$\frac{A_1 / R_1 + A_2 / R_2 + A_3}{/ R}$ Total Roof/Ceiling Area	Line 1	x 0.0204 = Total Roof/Ceiling Area (all zones)	Line A	
GROSS WALL		GROSS WALL		
Opaque Wall (Does not include band joist, windows, doors, etc.)				
A ₁ /R ₁ = A ₁ /R ₁				
$A_2 = R_2 = A_2/R_2 = A_1/R_1 + A_2/R_2 = $	Line 2			
Band Joist				
A R = A/R =	Line 3			
Fenestration and Doors, Windows				
A ₁ /R ₁ = A ₁ /R ₁				
A ₂ /R ₂ = A ₂ /R ₂				
A_3 $/R_3$ = A_3 /R_3 $A_1 /R_1 + A_2 /R_2 + A_3$ $/R_3$ =	Line 4			
Doors	19			
A ₁ /R ₁ = A ₁ /R ₁	N. C. Strandingson R.		100	
$A_2 = R_2 = A_2/R_2 = A_1/R_1 + A_2/R_2 = $				
VI 11/1 - U3/1/2 -	Line 5			
Other				
A R = A/R =				
Total Gross Wall Area	Line 6			
GROSS WALL SUBTOTAL A/R (Lines: 2+3+4+5+6)		x 0.093 =	erra a est 115.	
(Lines. 2+3+4+3+0)	Line 7	Total Gross Wall Area (all zones)	Line B	

FOUNDATION/FLOOR	SUBTOTALS	FOUNDATION/FLOOR	SUBTOTALS
Floors Over Unconditioned Spaces	at Form list to la Companier	Floors Over Unconditioned Spaces	
A	Line 8	x 0.0476 = Total Floor Area (all zones)	Line C
Slab on Grade Floors (Area = Perimeter x 2') A	Line 9	Slab on Grade (Unheated)	Line D
A 3.0259.4 > 1.0259.4		Slab on Grade (Heated) $ Z_{1}0.0769 \\ $	Line E
Crawl Space Walls (Area: Top foundation wall to average finished grade) A /R = A/R =	Line 10	Crawl Space x 0.050 = Total Crawl Space Wall Area (all zones)	Line F
Basement Walls (Area: Top foundation wall to average finished grade) A1/R1 = A1 /R1 A2/R2 = A2 /R2 A1 /R1 + A2 /R2 = Basement Windows A/R = A/R =	Line 11	Basement Walls $ \frac{Z_10.090}{\text{x }Z_20.090} = $ Total Gross Basement Wall Area $Z_30.055$	Line G
Total Gross Basement Wall Area FOUNDATION/FLOOR SUBTOTAL A/R (Lines: 8+9+10+11+12)	Line 13	FOUNDATION/FLOOR SUBTOTAL A/R (Lines: C+D+E+F+G)	Line H
PROPOSED ALTERNATIVE HOUSE SUB- TOTAL A/R (Lines: 1+7+13)	Line 14	STANDARD DESIGN HOUSE SUB-TOTAL A/R (Lines: A+B+H)	Line I

N1107.1.1 Alternative design constants. The alternative design constants of table N1107.1 may be used for

HEATING EQUIPMENT EFFICIENCY (If the same as Standard House, go to line 16 or 17) (Oil or Gas Fired) AFUE:%		HEATING EQUIPMENT EFFICIENCY (Oil or Gas Fired) AFUE: 78% Line I: = Adjusted A/R =	
Line 14:=Adjusted A/R =AFUE: 0	Line 15	AFUE: 0.78	Line J
AIR LEAKAGE RATE (If the same as Standard House, go to line 17) ACH x ft ³ x 0.018 = Air Changes per Hour Volume of House	Line 16	O.55 ACH x ft ³ x 0.018 =Volume of House	Line K
PROPOSED ALTERNATIVE HOUSE TOTAL (Lines: 15+16) Equal to or less than line L to pass	Line 17	STANDARD DESIGN LIMIT TOTAL (Lines: J+K)	Line L

the specific site weather data (heating degree days) for the proposed alternative design.