



# Refractory Heat Loss Analysis

Analyst:                                      Company:                                      Project:                                      Date: 11/10/2014 4:46:38 PM

**Unit:** English  
**Num of Layers:** 2  
**Gas Type:** Air  
**Wall Type:** Horizontal - Top  
**Hot Temp:** 1350 °F  
**Cold Temp:** 90 °F  
**Surface Type:** Straight  
**Radius:** NA  
**Convection Type:** Natural  
**Air Velocity:** N/A

L #	Thickness	Refractory Name	Max Lim	Hot Temp	Cold Temp	Avg Temp	H Loss	H Store
1	8.000 in	Inert LW	3000 °F	1346.0 °F	819.9 °F	1081.7 °F	166 !	3,539,795 *
2	2.000 in	Wool Ins 8lb	2100 °F	819.9 °F	167.3 °F	524.4 °F	166 !	151 *

Locate Temp 950 °F      Distance at Located Temp 6.0 in      Total      166 !      3,539,946 \*  
! btu/hr/ft²      \* btu/ft²