



Refractory Heat Loss Analysis

Analyst:

Company:

Project:

Date: 11/10/2014 4:53:47 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	45% Alumina Castable	2600 °F	1343.4 °F	1107.1 °F	1225.4 °F	275 !	27,549 *
2	2.000 in	Wool Ins 8lb	2100 °F	1107.1 °F	206.4 °F	726.8 °F	275 !	218 *

Locate Temp 950 °F Distance at Located Temp 8.5 in

Total 275 ! 27,767 *
! btu/hr/ft² * btu/ft²