

Project Title: Sample Project
 Project ID: 30206
 Project Manger: T.M.

Prepared By: W.T Sheet: 1 of 1
 Checked By: D.W. Date: 2/4/18

HEATING COIL LOAD ESTIMATE

Project Description

AHU-123 on Roof

$$HeatingLoad = \frac{CFM \times 1.08 \times \Delta T}{1,000}$$

Heating Coil Load (Mixed-Air System)			Remarks
Supply Air	10,000	CFM	
Return Air	4,000	CFM	
Outside Air =	6,000	CFM	
Percent Outside Air =	60%		
Outside Air Temperature	10	F	ASHRAE 0.4%, LGA
Return Air Temperature	75	F	
Mixed (Entering) Air Temp =	36.0	F	
Leaving Air Temperature	75	F	Typ. 75F
Heating Coil Load =	421	MBH	
Safety Factor	20%		
Heating Coil Load =	505	MBH	

Heating Coil Load (100% Outside Air System)			Remarks
Airflow (100% Outside)	9,000	CFM	
Entering Air Temperature	10	F	
Leaving Air Temperature	75	F	
Heating Coil Load =	632	MBH	
Safety Factor	20%		
Heating Coil Load =	758	MBH	

Notes:

Enter Your Notes Here.