

AUG. 18, 2023



Holiday Inn Express
3400 S. LINCOLN AVE
STEAMBOAT SPRINGS, CO 80487

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DRAWING ISSUE DATES:
8/19/23 PERMIT SET

REVISION DATES:

PROJECT MANAGER:
DV
DRAWN BY:
FL
SHEET TITLE:
**MECHANICAL
HEATING
COOLING LOAD**

M6.1

SHEET: 92 OF 140

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System Checksums
By Trane

FCU-10, FCU-10										Fan Coil									
COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air: Mo/Hr: 7 / 18 OADB/WBHR: 81 / 53 / 31					Mo/Hr: Sum of OADB: Peaks					Mo/Hr: Heating Design OADB: -7					SADB Ra Plenum Return Ret/OA Fm MfRTD Fm BlRTD Fm Frict				
Sens.	Space	Plenum	Net	Percent	Sens.	Space	Plenum	Net	Percent	Sens.	Space	Plenum	Net	Percent	SADB	Ra Plenum	Return	Ret/OA	Fm MfRTD
Bluh	+ Lat	+ Lat	Total	Of Total	Bluh	+ Lat	+ Lat	Total	Of Total	Bluh	+ Lat	+ Lat	Total	Of Total	55.0	73.6	73.6	73.6	73.6
Bluh	Bluh	Bluh	Bluh	(%)	Bluh	Bluh	Bluh	Bluh	(%)	Bluh	Bluh	Bluh	Bluh	(%)	55.0	73.6	73.6	73.6	73.6
Envelope Loads					Envelope Loads					Envelope Loads					Diffuser				
Skyline Solar					Skyline Solar					Skyline Solar					Terminal				
Skyline Cond					Skyline Cond					Skyline Cond					Main Fan				
Roof Cond					Roof Cond					Roof Cond					Sec Fan				
Glass Solar					Glass Solar					Glass Solar					Nom Vent				
Glass/Door Cond					Glass/Door Cond					Glass/Door Cond					AHU Vent				
Wall Cond					Wall Cond					Wall Cond					Infil				
Partition/Door					Partition/Door					Partition/Door					Internal Loads				
Floor					Floor					Floor					Lights				
Adjacent Floor					Adjacent Floor					Adjacent Floor					People				
Infiltration					Infiltration					Infiltration					Misc				
Sub Total ==>					Sub Total ==>					Sub Total ==>					Sub Total ==>				
Internal Loads					Internal Loads					Internal Loads					Ceiling Load				
Lights					Lights					Lights					Ventilation Load				
People					People					People					Adj Air Trans Heat				
Misc					Misc					Misc					Dehumid. Ov Sizing				
Sub Total ==>					Sub Total ==>					Sub Total ==>					Sub Total ==>				
Ceiling Load					Ceiling Load					Ceiling Load					Ov/Under Sizing				
Ventilation Load					Ventilation Load					Ventilation Load					Exhaust Heat				
Adj Air Trans Heat					Adj Air Trans Heat					Adj Air Trans Heat					OA Preheat Diff.				
Dehumid. Ov Sizing					Dehumid. Ov Sizing					Dehumid. Ov Sizing					RA Preheat Diff.				
Ov/Under Sizing					Ov/Under Sizing					Ov/Under Sizing					Additional Reheat				
Exhaust Heat					Exhaust Heat					Exhaust Heat					Underdrf Sup Ht Pkup				
Sup. Fan Heat					Sup. Fan Heat					Sup. Fan Heat					Supply Air Leakage				
Ret. Fan Heat					Ret. Fan Heat					Ret. Fan Heat					Grand Total ==>				
Duct Heat Pkup					Duct Heat Pkup					Duct Heat Pkup					Total Capacity				
Underdrf Sup Ht Pkup					Underdrf Sup Ht Pkup					Underdrf Sup Ht Pkup					Sens Cap.				
Supply Air Leakage					Supply Air Leakage					Supply Air Leakage					Coil Airflow				
Grand Total ==>					Grand Total ==>					Grand Total ==>					Enter DBWBHR				
Total Capacity					Total Capacity					Total Capacity					Leave DBWBHR				
Main Clg					Main Clg					Main Clg					Floor				
Aux Clg					Aux Clg					Aux Clg					Part				
Opt Vent					Opt Vent					Opt Vent					Int Door				
Total					Total					Total					Roof				
Total					Total					Total					Wall				
Total					Total					Total					Ext Door				

Project Name: Holiday Inn Express
Dataset Name: HIXE STEAMBOAT SPRINGS CO TRC

TRACE8: 700 v6.2.5 calculated at 06:45 PM on 08/09/2023
Alternative - 1 System Checksums Report Page 2 of 12

System Checksums
By Trane

FCU-18										Fan Coil									
COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air: Mo/Hr: 7 / 20 OADB/WBHR: 73 / 50 / 29					Mo/Hr: Sum of OADB: Peaks					Mo/Hr: Heating Design OADB: -7									
Sens.	Space	Plenum	Net	Percent	Sens.	Space	Plenum	Net	Percent	Sens.	Space	Plenum	Net	Percent	SADB	Cooling	Heating		
+ Lat	+ Lat	+ Lat	Total	Of Total	+ Lat	+ Lat	+ Lat	Total	Of Total	+ Lat	+ Lat	+ Lat	Total	Of Total	55.0	73.6	73.6		
Bluh	Bluh	Bluh	Bluh	(%)	Bluh	Bluh	Bluh	Bluh	(%)	Bluh	Bluh	Bluh	Bluh	(%)	75.0	72.0	72.0		
Envelope Loads					Envelope Loads					Envelope Loads					Diffuser				
Skyline Solar					Skyline Solar					Skyline Solar					Terminal				
Skyline Cond					Skyline Cond					Skyline Cond					Main Fan				
Roof Cond					Roof Cond					Roof Cond					Sec Fan				
Glass Solar					Glass Solar					Glass Solar					Nom Vent				
Glass/Door Cond					Glass/Door Cond					Glass/Door Cond					AHU Vent				
Wall Cond					Wall Cond					Wall Cond					Infil				
Partition/Door					Partition/Door					Partition/Door					Internal Loads				
Floor					Floor					Floor					MiscSiphRph				
Adjacent Floor					Adjacent Floor					Adjacent Floor					Return				
Infiltration					Infiltration					Infiltration					Exhaust				
Sub Total ==>					Sub Total ==>					Sub Total ==>					Replen				
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