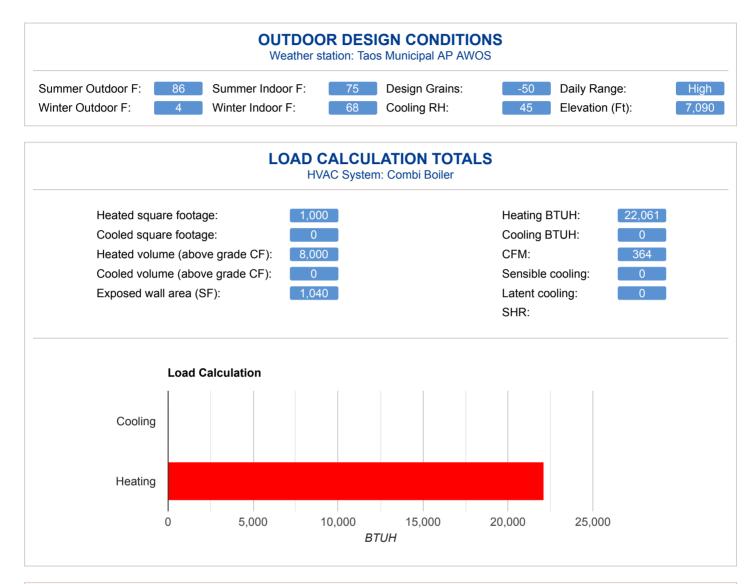


Project Name: 619B Salazar

Address: 619B Salazar Road, Taos, NM



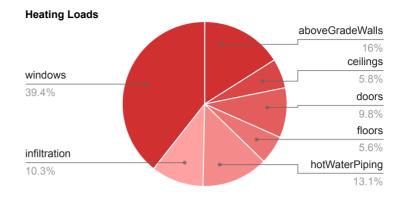
Approved ACCA MJ8 Calculations

Calculations are based on the ACCA Manual J 8th Edition and are approved by ACCA. All computed calculations are estimates on building use, weather data, and inputted values such a R-Values, window types, duct loss, etc. Equipment selections should meet both the latent and sensible gain as well as building heat loss.



HEATING AND COOLING LOADS

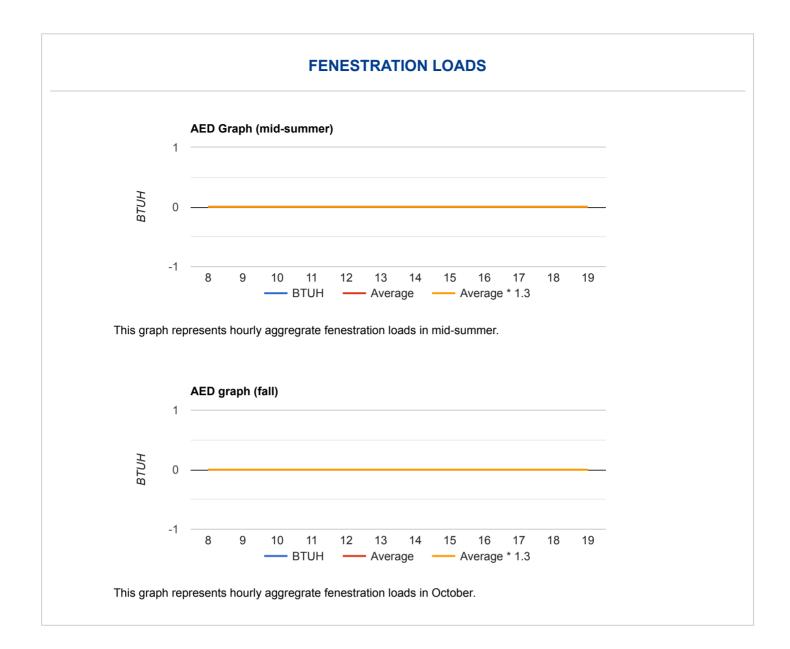
HEATING LOADS						
SECTION	AREA	HEAT LOSS				
aboveGradeWalls	812	3,534				
blowerMotor	0	0				
ceilings	1,000	1,280				
doors	72	2,166				
floors	1,000	1,241				
hotWaterPiping	0	2,880				
infiltration	0	2,274				
skylights	0	0				
windows	156	8,686				
Totals		22,061				



COOLING LOADS					
SECTION	AREA	SENSIBLE	LATENT		
AEDExcursion	0	0	0		
aboveGradeWalls	812	0	0		
appliances	0	0	0		
blowerMotor	0	0	0		
ceilings	1,000	0	0		
doors	72	0	0		
floors	1,000	0	0		
infiltration	0	0	0		
occupants	0	0	0		
skylights	0	0	0		
windows	156	0	0		
Totals		0	0		

Cooling Loads

No data



COMPONENT LOADS

ABOVE GRADE WALLS								
System generated wall - E								
Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	E 152	Heating BTUH: Cooling BTUH:	662 0		
System generated wall - S Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	S 28	Heating BTUH: Cooling BTUH:	122 0		
System generated wall - S Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	S 12	Heating BTUH: Cooling BTUH:	52 0		
System generated wall - N Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	N 82	Heating BTUH: Cooling BTUH:	357 0		
System generated wall - E Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	E -4	Heating BTUH: Cooling BTUH:	-17 0		
System generated wall - W Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	W 32	Heating BTUH: Cooling BTUH:	139 0		
System generated wall - N Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	N 82	Heating BTUH: Cooling BTUH:	357 0		
System generated wall - W Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	W 96	Heating BTUH: Cooling BTUH:	418 0		
System generated wall - S Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	S 82	Heating BTUH: Cooling BTUH:	357 0		
System generated wall - W Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	W 42	Heating BTUH: Cooling BTUH:	183 0		
System generated wall - S Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	S 74	Heating BTUH: Cooling BTUH:	322 0		
System generated wall - N Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	N 70	Heating BTUH: Cooling BTUH:	305 0		
System generated wall - E Frame Wall, Wood framing, R-19 cavity insulation, Stucco or Siding.	Construction nr: U Value:	12E-0s w 0.068	Exposure: Area:	E 64	Heating BTUH: Cooling BTUH:	279 0		

BELOW GRADE WALLS

There are no components for this section.

	WINDOW	S				
Default small windows for wall id 4740502 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 S	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	668 0
Default medium windows for wall id 4740502 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 24 S	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	1,336 0
Default small windows for wall id 4740543 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 S	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	668 0
Default small windows for wall id 4740328 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default medium windows for wall id 4740328 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	668 0
Default large windows for wall id 4740328 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 36 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	2,004 0
Default small windows for wall id 4740329 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 E	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	668 0
Default small windows for wall id 4719114 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default small windows for wall id 4739930 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 S	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default small windows for wall id 4739929 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 W	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default small windows for wall id 4740309 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 S	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default small windows for wall id 4740444 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 6 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	334 0
Default medium windows for wall id 4740444 Window, NFRC rated, Clear glass.	Construction nr: Area: Exposure:	1G 12 N	U Value: SHGC:	0.87 0.67	Heating BTUH: Cooling BTUH:	668 0

Window cooling BTUHs shown here are daily average values. See AED graphs for details of fenestration loads during the day.

	CEILINGS							
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area: 2	200	Heating BTUH: Cooling BTUH:	256 0		
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area: {	35	Heating BTUH: Cooling BTUH:	109 0		
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area:	333	Heating BTUH: Cooling BTUH:	426 0		
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area:	133	Heating BTUH: Cooling BTUH:	170 0		
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area: 6	66	Heating BTUH: Cooling BTUH:	84 0		

CEILINGS							
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area:	83	Heating BTUH: Cooling BTUH:	106 0	
System generated ceiling. Ceiling under attic or attic knee wall, Metal, Light, R-50.	Construction nr: U Value:	16C-50 ml 0.02	Area:	100	Heating BTUH: Cooling BTUH:	128 0	

SKYLIGHTS

There are no components for this section.

Skylight cooling BTUHs shown here are daily average values. See AED graphs for details of fenestration loads during the day.

DOORS						
Default doors for wall id 4740502	Construction nr:	11	Area:	24	Heating BTUH:	722
Wood Door, Hollow Core.	U Value:	0.47	Exposure:	S	Cooling BTUH:	0
Default doors for wall id 4740543	Construction nr:	11	Area:	24	Heating BTUH:	722
Wood Door, Hollow Core.	U Value:	0.47	Exposure:	S	Cooling BTUH:	0
Default doors for wall id 4740329	Construction nr:	11	Area:	24	Heating BTUH:	722
Wood Door, Hollow Core.	U Value:	0.47	Exposure:	E	Cooling BTUH:	0

	FLOORS								
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 200	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	248 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 85	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	105 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 333	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	413 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 133	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	165 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 66	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	82 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 83	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	103 0 N/A				
System generated floor. Floor over enclosed unconditioned crawl space or basement, R-11 or R-15 blanket.	Construction nr: Area:	19C-11sp 100	Heating U Value:0.073 Cooling U Value:0.073	Heating BTUH: Cooling BTUH: F Value:	124 0 N/A				

VENTILATION

There are no components for this section.

HOT WATER PIPING

HOT WATER PIPING										
1 inch Copper; 1 1/2 inches insulation or better	F-Value:	0.17	Length:	110	Heating BT	UH:	2,880			
	DUCTS									
There are no components for this section.	DUCTS There are no components for this section.									
• • •										
	INFILTRAT	ION								
Leakage Category: Semi-Tight	NCFM Heating: NCFM Cooling:	41 21		Heating Sensible Latent B	e BTUH:	2,274 0 0				
BLOWER MOTOR										
0 watt blower motor; OEM performance data not adjusted for blower motor heat.	Watts:	0		Sensible	e BTUH:	0				

WINTER HUMIDIFICATION

There are no components for this section.

		OCCUPANTS	
Nr. Occupants:	2	Sensible BTUH: 0	Latent BTUH: 0
Nr. Occupants:	1	Sensible BTUH: 0	Latent BTUH: 0
Nr. Occupants:	1	Sensible BTUH: 0	Latent BTUH: 0

APPLIANCES						
Refrigerator or Freezer - 16CuFt	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		
Range with hood and exhaust to outdoors	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		
Dishwasher	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		
Refrigerator or Freezer - 16CuFt	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		
Clothes washing machine	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		
Vented clothes dryer	Quantity:	1	Sensible BTUH: Latent BTUH:	0 0		

PLANTS

There are no components for this section.

