

Manual S Compliance Report

Entire House

Rockview Designs

Job:

Date: September 16th, 2018

Project Information

For: Sample Manual J

890 E Myrtle Street, Fort Collins, Co

Cooling Equipment

Design Conditions

Outdoor design DB:	90.0°F	Sensible gain:	20977	Btuh	Entering coil DB:	76.3°F
Outdoor design WB:	62.0°F	Latent gain:	0	Btuh	Entering coil WB:	61.9°F
Indoor design DB:	75.0°F	Total gain:	20977	Btuh	-	
Indoor RH:	50%	Estimated airflow:	1059	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Split AC Equipment type:

Manufacturer: Amana Model: ASX130301C*+CA*FCAPF3137*6B

Actual airflow: 1059 cfm

121% of load Sensible capacity: 25320 Btuh Latent capacity: 0 Btuh 0% of load

Total capacity: 25320 Btuh 121% of load SHR: 0k%

Heating Equipment

Design Conditions

Outdoor design DB: 5.6°F Heat loss: 43118 Btuh Entering coil DB: 67.1°F Indoor design DB: 72.0°F

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Gas furnace

Manufacturer: Model: AMSS920603BN Amana

Actual airflow: 927 cfm

Output capacity: 49128 Btuh 114% of load Temp. rise: 58 °F

Meets all requirements of ACCA Manual S.



Residential Plans Examiner Review Form for HVAC System Design (Loads, Equipment, Ducts)

Form **RPER 1** 15 Mar 09

Header Information

Contractor: F	Rockview Designs		REQUIRED ATTACHMENTS ATTACHED				
Mechanical license:		or MJ1AE Form* (a	nd supporting worksheets): and supporting worksheets):	Yes No Yes No			
Building plan #:		Manual D Friction F		Yes No Yes No No			
Home address (Street o	Lot#, Block, Subdivision):	Duct distribution ske 890 E Myrtle Street, Entire House	etcn.	Yes ☐ No ☐			
HVAC LOAD CA	LCULATION (IRC M1	401.3)					
Design Condition	ns	Building Constructio	on Information				
Heating Equipme Equipment type: Furnace, Heat pump, Bo Model:	e: 6 72 43118 Inditions E: 90 75 -23 gr/lb @ 50% 20977 0 20977 ENT SELECTION (IRC Ent Data Gas furnace AMSS920603BN City: 49128 Btuh It winter design outdoor conditions	Btuh Number of bedrooms: Conditioned floor area: Number of occupants: F F F Windows RH Eave overhang depth: Internal shade: Blinds, drapes, etc. Blinds of skylights: M1401.3) Cooling Equipment Data Equipment type: Air Conditioner, Heat pump, etc. Model:	Front Door faces South theast, Northwest, Southeast, Southwest 3 2592 ft² 4 0 ft none 0 Blower Data Split AC Heating cfm: Cooling cfm: Static pressure: Fan's rated extern airflow 0 Btuh 0 Btuh 0 Btuh	Poof Eave Depth Window 927 1059 0.80 in H2O all static pressure for design			
HVAC DUCT DI	STRIBUTION SYSTEM	M DESIGN (IRC M1601.1)					
Design airflow: Equipment design ESF Total device pressure Available static press		Longest supply duct: 361 ft Longest return duct: 382 ft Total effective length (TEL): 743 ft Friction rate: 0.058 in/10 Friction R ate = ASP ÷ (TEL x 100)	Duct Materials Used Trunk duct: 00ft Branch duct: Sheet m	Sheet meta			
		nent selection and duct design were rigo hese forms will be subject to review and		ouilding plan			
Contractor's printed	name:						
Contractor's signatur	re:		Date:				

Reserved for County, Town Municipality or Authority having jurisdiction use.

^{*}Home qualifies for MJ1AE Form based on Abridged Edition Checklist

