Exhaust Fan Schedule

Tag	Manufacturer	Model	Wheel Diameter	Weight	CFM	ESP	TSP	Fan RPM	Drive Type	Power	Voltage	Motor RPM	Motor Type	FLA	Efficiency	Remarks
EF-1	Greenheck	SP-B110	7.94"	10 lbs	70	0.125"	0.129"	675	Drive	16.5W	120/1/60	-	PSC Motor	0.53	0.451	Galvanized steel housing - outlet duct collar with integral back draft damper, forward curved wheel, adjustable mounting brackets, plug type disconnect, white designer non-yellowing lighted ceiling grille, polypropylene wheel material. Provide LED, 10W bulb with frosted lens.

Energy Recovery Ventilator Schedule

Tag	Manufacturer	Model	ESP	Exhaust Air CFM	Supply Air CFM	Power	Voltage	Heating Performance					Cooling Performance			Remarks
								Outside Temperature	Air Flow	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	Supply Temperature	Air Flow	Total Recovery Efficiency	
ERV-1	Panasonic	FV-10VEC2	0.1"	100	100	81W	120/1/60	32	85	75	80	74	95	49	60	Furnish with MERV 13 filters,DC fan motors, built-in controls complying with ASHRAE 62.2.

Air Device Schedule

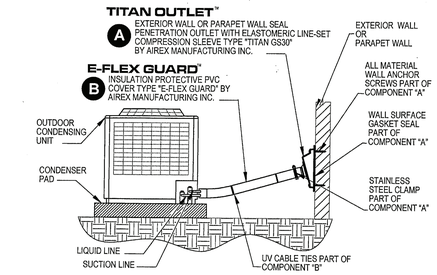
Mark	System Classification	Device Type	Neck Size	Face Size	Manufacturer	Description	Discharge Direction	Opposed Blade Damper	Fire Rated	Plenum	Air Extractor	Equalizing Grid	Plaster Frame	Construction Material	Finish Color	Comments
RG1	Return Air	Grille	14"x8"	16-1/2"x10-1/2"	Price Industries Series 530	Fixed Louver Face Grille	NA	No	No	No	No	No	Yes	Steel	White	Fixed 45 degree blades, 3/4" spacing. Provide sq to rd plenum
RG2	Return Air	Grille	18"x18"	20-1/2"x20-1/2"	Price Industries Series 530	Fixed Louver Face Grille	NA	No	No	No	No	No	Yes	Steel	White	Fixed 45 degree blades, 3/4" spacing. Provide sq to rd plenum
SG1	Supply Air	Grille	4"x10"	6-1/2"x12-1/2"	Price Industries Series 540	Adjustable Louver Face Grille	2-way	No	No	No	No	No	Yes	Steel	White	Adjustable pattern direction control with intergrated volume control damper. Provide sq to rd plenums.

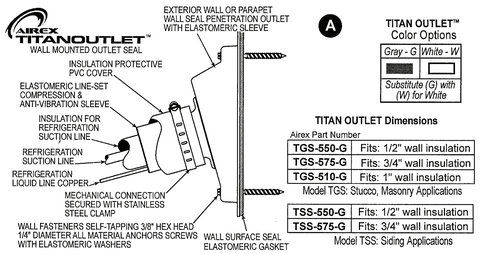
Gas Fired Furnace Schedule

Tag	Manufacturer	Model	Supply Air CFM	Outside Air CFM	ESP	Power	Heating Input Capacity	Heating Output Capacity	AFUE	Flue Size	Voltage	FLA	MCA	MOCP	DX Coil Manufacturer and Model	Total Cooling Capacity	Remarks
GFF-1	"Rheem"	'R95TA070 1317MSA'	1100	100	0.9"	1/2 HP	70 MBH	68 MBH	95	2 @ 3"	120/1/60	6.8	10	15	"Rheem" No. 'RCFP-HU3617AC'	36 MBH	Furnish filter rack and filter, thermostat 'RETST700SYS', roof or wall flue concentric termination kit.
GFF-2	"Rheem"	'R95TA040 1317MSA'	800	50	0.9"	1/2 HP	42 MBH	41 MBH	95	2 @ 2"	120/1/60	4.0	8	15	"Rheem" No. 'RCFP-HU2417AC'	24 MBH	Furnish filter rack and filter, thermostat 'RETST700SYS', roof or wall flue concentric termination kit.

Outdoor Cooling Unit Schedule

Tag	Manufacturer	Model	SEER	Refrigerant	Cooling Data				Compressor			Condenser Fan		Electrical Data			Remarks
					Indoor EAT DB	Indoor EAT WB	Outside Air Temp	Total Cooling Capacity	RLA	LRA	Compressor Type	Power	FLA	Voltage	MCA	MOCP	
CU-1	"Rheem"	'RA1636BJ 1NA'	14.5	R-410A	80	67	87	35.8 MBH	15.4	83.9	Scroll	1/3 HP	3.5	208/1/60	23	35	Furnish with compressor sound cover, 3" high polyethylene feet, refrigerant piping kits.
CU-2	"Rheem"	'RA1624AJ 1NA'	14.5	R-410A	80	67	87	24.0 MBH	10.3	61.6	Scroll	1/6 HP	0.6	208/1/60	14	20	Furnish with compressor sound cover, 3" high polyethylene feet, refrigerant piping kits.





TITAN OUTLET™ Color Options

Gray - G	White - W
Substitute (G) with (W) for White	

TITAN OUTLET Dimensions

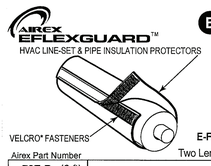
Airex Part Number

TGS-550-G	Fits: 1/2" wall insulation
TGS-575-G	Fits: 3/4" wall insulation
TGS-510-G	Fits: 1" wall insulation

Model TGS: Stucco, Masonry Applications

TSS-550-G	Fits: 1/2" wall insulation
TSS-575-G	Fits: 3/4" wall insulation

Model TSS: Siding Applications



E-FLEX GUARD™ Color Options

Black - B	White - W
Substitute (B) with (W) for White	

E-FLEX GUARD Dimensions

Two Lengths: 72" (6ft) and 75ft roll.

Airex Part Number	
72E-B (6 ft) / **750E-B** (75 ft)	Fits: **1/2"** wall thickness pipe insulation with 5/8", 3/4", 7/8" tube.
72C-B (6 ft) / **750C-B** (75 ft)	Fits: **3/4"** wall thickness pipe insulation with 5/8", 3/4", 7/8" tube or 1/2" wall thickness pipe insulation with 1-1/8" tube.
72X-B (6 ft) / **750X-B** (75 ft)	Fits: **1"** wall thickness pipe insulation with 3/4", 7/8" tube or 3/4" wall thickness pipe insulation with 1-1/8" tube.

REFRIGERANT PIPING CONNECTION TO HOUSE DETAIL

NO SCALE

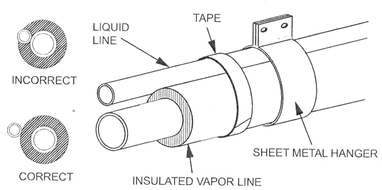
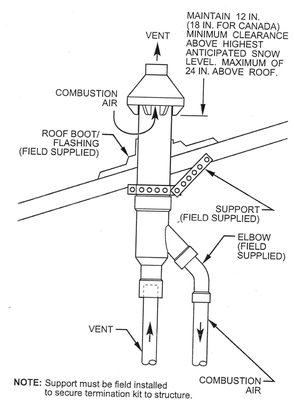


FIGURE 1: Refrigerant Line Support

- Slope horizontal suction lines on cooling only systems approximately 1 inch every 20 feet toward the outdoor unit to facilitate proper oil return. Since the flow of refrigerant is bi-directional on heat pumps, all horizontal vapor lines should be level. Pre-charged lines with excess tubing should be coiled horizontally in an inconspicuous location to avoid oil trapping. Never coil excess tubing vertically.

REFRIGERANT PIPING DETAIL

NO SCALE



CONCENTRIC FLUE THROUGH ROOF DETAIL

NO SCALE

ARCHITECT
HCM Design, Inc.
700 E. Pratt St, Suite 1200, Baltimore, MD 21202
p. 410. 837. 7311

MEP ENGINEER
SRBR Engineers, Inc.
757 Frederick Road, Suite 300, Catonsville, MD 21228
p. 410.869.7282

STRUCTURAL ENGINEER
Carroll Engineering, Inc.
215 Schilling Circle, Suite 102, Hunt Valley, MD 21031
p. 410.785.7423

FOOD SERVICE
Scopos Hospitality Group
300 West Chestnut Street, Suite 201, Ephrata, PA 17522
p. 717.733.5810

INTERIOR DESIGNER
Merlino Design Partnership, Inc.
2200 Renaissance Blvd, Suite 300, Gulph Mills, PA 19406
p. 610.313.9550

Broadview Senior Living

BROADVIEW

SENIOR LIVING AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - VILLAS

Purchase College Learning Corporation
735 Anderson Hill Road
Purchase, NY 10577-1402

hord | coplan | macht

ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

STATE OF NEW YORK · FRANKS WILLIAM RIZZO · No. 85354 · LICENSED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE NUMBER:
EXPIRATION DATE:

no.	date	revision

Project Name
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - VILLAS
Project Number
215042.00
Date
03/15/2021
Scale
Drawing
MECHANICAL SCHEDULES AND DETAILS

M1.01

PERMIT/GMP SET

© Hord Coplan Macht, Inc.

3/17/2021 4:06:21 PM
C:\Users\tbrown\Documents\20051_Mech_R18_tjbrown@srbr.com.rvt