

FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB

ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM
RG2	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM
SR2	ARCHITECTURAL GRILLE	18"x6"	ALUMINUM

AN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VE-AIRE 30HFA	TDC	GC	ENVIROMATIC

REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
TYPE	CHARGE		MOC	FLA	V/P/H			MANUFACTURER	MODEL	
R-404A	10.4 lb	250 lb	15 A	9 A	208/1/60	WCS	GC	RUSSELL DOE	RFO060M4SDAALNT	FURNISHED WITH WALK-IN COOLER
R-404A	11.46 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-9F	FURNISHED WITH ICE MAKER
R-404A	3.86 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-5F	FURNISHED WITH ICE MAKER

ATING		WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
OUTPUT	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
67 Btu/h	21 °F	495 lb	2 hp	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

PERFORATED SUPPLY PLENUMS															NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	MANUFACTURER
PLENUM		MAU PLENUM								AC PLENUM									
DUCT COLLARS		LENGTH	WIDTH	LENGTH	WIDTH	AIRFLOW	DUCT COLLARS			AIRFLOW	DUCT COLLARS								
WIDTH	LENGTH						NO.	WIDTH	LENGTH		NO.	DIAMETER							
10"	24"	13' - 9"	4' - 3"	54"	19"	1,300 CFM	3	6"	2' - 4"	696 CFM	8	8"	8	1,029 lb	HS	GC	CAPTIVE-A		

TAG	COUNT	DESCRIPTION	CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY
			COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOC	FLA	V/P/H		
CU-1	CONDENSING UNIT - WALK-IN COOLER		1	1	R-404A	10.4 lb	250 lb	15 A	9 A	208/1/60	WCS	
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		0	1	R-404A	11.46 lb	100 lb			120/1/60	KES	
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER		0	1	R-404A	3.86 lb	100 lb			120/1/60	KES	

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY
				INPUT	OUTPUT	EAT		MOTOR POWER	V/P/H		
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1,300 CFM	0.50 in-wg	70,942 Btu/h	65,267 Btu/h	21 °F	495 lb	2 hp	208/3/60	HS	GC

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM								PERFORATED MAU PLenum		
			AIRFLOW	E.S.P.	DUCT COLLARS			LENGTH	WIDTH	LENGTH	WIDTH	AIRFLOW	NO.
					NO.	WIDTH	LENGTH						
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,550 CFM	0.96 in-wg	1	10"	24"	13' - 9"	4' - 3"	54"	19"	1,300 CFM	3

...ACITY ICE MAKER
 REMOTE CONDENSER - SODA
 MACHINE ICE MAKER

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL
				INPUT	OUTPUT	EAT		MOTOR POWER
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1,300 CFM	0.50 in-wg	70,942 Btu/h	65,267 Btu/h	21 °F	495 lb	2 hp

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	AIRFLOW	E.S.P.	EXHAUST PLENUM					
					DUCT COLLARS			LENGTH	WIDTH	LENGTH
					NO.	WIDTH	LENGTH			
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600 °F	2,550 CFM	0.96 in-wg	1	10"	24"	13' - 9"	4' - 3"	54'

ROOFTOP UNIT SCHEDULE

DESCRIPTION	NOMINAL	AIRFLOW	NET COOLING CAPACITY
-------------	---------	---------	----------------------

REMARKS
FURNISHED WITH WALK-IN COOLER
FURNISHED WITH ICE MAKER
FURNISHED WITH ICE MAKER

REMARKS
X TURNDOWN. FURNISHED WITH DISCONNECT, ROOF EEN INTAKE, AND WASHABLE ALUMINUM FILTERS

. OF GHT URES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				MANUFACTURER	MODEL	
8	1,029 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH QUARTER END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

				BASIS FOR DESIGN		REMARKS

CANOPY HOOD WITH
PERFORATED MAU AND AC
SUPPLY PLENUMS

ROOFTOP UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY	EER	AIRFLOW			NET CO	
				TOTAL	OA	E.S.P.	TOTAL	SENSIBL
RTU-1	KITCHEN ROOFTOP UNIT	10 ton	12	4,000 CFM	500 CFM	1.0 in-wg	118,000 Btu/h	91,000 Btu/h
RTU-2	DINING ROOM ROOFTOP UNIT	10 ton	12	4,000 CFM	1,000 CFM	1.0 in-wg	118,000 Btu/h	91,000 Btu/h

REMARKS

DOWN. FURNISHED WITH DISCONNECT, ROOF
AKE, AND WASHABLE ALUMINUM FILTERS

WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			MANUFACTURER	MODEL	
L,029 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH QUARTER END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

T	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
	MOCP	FLA	V/P/H			MANUFACTURER	MODEL	
	60 A	58 A	208/3/60	CMG	GC	CARRIER	48FCFN12	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, HOT GAS REHEAT & UNIT-MOUNTED CONVENIENCE RECEPTACLE
	60 A	58 A	208/3/60	CMG	GC	CARRIER	48FCFN12	FURNISHED WITH COMP. ENTHALPY ECON., BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, M.O.D., MERV-8 FILTERS, CURB, HAIL GUARD, TOOLLESS HINGED ACCESS PANELS, DISCONNECT, HOT GAS REHEAT & UNIT-MOUNTED CONVENIENCE RECEPTACLE

CASE
Engineering Inc

796 Merus Court
St. Louis, MO 63026

T 636.3
F 636.3

CERTIFICATE OF AUTHORITY NO. C-

NO.	WIDTH	LENGTH	LENGTH	WIDTH	LENGTH	WIDTH	MAU PLENUM			AC PLENUM		NO. OF LIGHT FIXTURES	WEIGHT		
							AIRFLOW	DUCT COLLARS			AIRFLOW			DUCT COLLARS	
								NO.	WIDTH	LENGTH				NO.	DIAMETER
1	10"	24"	13' - 9"	4' - 3"	54"	19"	1,300 CFM	3	6"	2' - 4"	696 CFM	8	8"	8	1,025

FLOW	E.S.P.	NET COOLING CAPACITY				HEATING CAPACITY			NUMBER OF		REFRIGERANT	WEIGHT	
		TOTAL	SENSIBLE	EAT		COND. EAT	INPUT	OUTPUT	EAT	COMPRESSORS	CIRCUITS		TYPE
				DB	WB								
DA CFM	1.0 in-wg	118,000 Btu/h	91,000 Btu/h	80 °F	67 °F	80 °F	250,000 Btu/h	205,000 Btu/h	65 °F	2	2	R-410A	1,4
DA CFM	1.0 in-wg	118,000 Btu/h	91,000 Btu/h	80 °F	67 °F	80 °F	250,000 Btu/h	205,000 Btu/h	65 °F	2	2	R-410A	1,4

V/P/H	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

PERFORATED SUPPLY PLENUMS								NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
WIDTH	MAU PLENUM				AC PLENUM							MANUFACTURER	MODEL	
	AIRFLOW	DUCT COLLARS		AIRFLOW	DUCT COLLARS									
		NO.	WIDTH	LENGTH		NO.	DIAMETER							
19"	1,300 CFM	3	6"	2' - 4"	696 CFM	8	8"	8	1,029 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACPSP-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH QUARTER INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWI CONTACT, AND 4-POLE 20A CONTACTOR

COND. EAT	HEATING CAPACITY			NUMBER OF		REFRIGERANT	WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
	INPUT	OUTPUT	EAT	COMPRESSORS	CIRCUITS	TYPE		MOC	FLA	V/P/H			MANUFACTURER	MODEL	
80 °F	250,000 Btu/h	205,000 Btu/h	65 °F	2	2	R-410A	1,445 lb	60 A	58 A	208/3/60	CMG	GC	CARRIER	48FCFN12	FURNISHED WITH KEYED ANNUNCIATED ACCESS PANELS, D
80 °F	250,000 Btu/h	205,000 Btu/h	65 °F	2	2	R-410A	1,445 lb	60 A	58 A	208/3/60	CMG	GC	CARRIER	48FCFN12	FURNISHED WITH KEYED ANNUNCIATED ACCESS PANELS, D

AIR BALANCE SCHEDULE

TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	2,550 CFM	-2,550 CFM
EF-2	0 CFM	0 CFM	150 CFM	-150 CFM
MAU-1	1,950 CFM	0 CFM	0 CFM	1,300 CFM
RTU-1	4,000 CFM	3,500 CFM	0 CFM	500 CFM
RTU-2	4,000 CFM	3,000 CFM	0 CFM	1,000 CFM
NET PRESSURIZATION				100 CFM

CONTROL FUNCTIONS

- A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
- B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
- C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.



LINGLE DESIGN GROUP INC
 158 W. MAIN ST.
 LENA, IL 61048
 815.369.9155
 1764 BLAKE ST
 DENVER, CO 8020
 303.974.5873
 WWW.LINGLEDESIGN.COM

AIR TERMINAL SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES
								MANUFACTURER	MODEL	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS
CD3	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD
ER1	PERFORATED CEILING EXHAUST	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	PROVIDE INTEGRAL OBD
RG1	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG2	PERFORATED CEILING RETURN	48" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	BLACK	WALL	GC	GC	AIR CONCEPTS	M-AD-SR1	PROVIDE WITH CONCEALED MOUNTING AND FACE-ACCESSIBLE OBD
SR2	ARCHITECTURAL GRILLE	18"x6"	ALUMINUM	BLACK	WALL	GC	GC	AIR CONCEPTS	RGDD-F	PROVIDE WITH CONCEALED MOUNTING AND FACE-ACCESSIBLE OBD

MARKS

A UPBLAST EXHAUST FAN
 THERPROOF DISCONNECT
 B
 EAST RESTROOM EXHAUST
 INTEGRAL DISCONNECT,
 RAFT DAMPER, AND CURB

COPYRIGHT 2024
 ALL DRAWINGS AND WRITTEN MATERIAL CONTAINED HEREIN ARE AN INSTRUMENT OF SERVICE AND AS SUCH REMAINS THE PROPERTY OF THE ARCHITECT, LINGLE DESIGN GROUP. PERMISSION FOR USE OF THIS DOCUMENT IS LIMITED AND CAN BE EXTENDED ONLY BY WRITTEN AGREEMENT WITH THE ARCHITECT.



04/24/2024

MODEL	REMARKS
RF0060M4S4AALNT	FURNISHED WITH WALK-IN COOLER
URC-9F	FURNISHED WITH ICE MAKER
URC-5F	FURNISHED WITH ICE MAKER

STORE NO.: 32-5185
 FRIENDLY AVE
 615 W FRIENDLY AVE
 GREENSBORO, NC 27410