

1/4"	(6) MIN. 1' (25) MIN TYPICAL OVERLAP ON ALL SIDES OF DAMPER
	-THRUST WASHERS
R	USKIN FSD60 OBV DAMPER DETAIL
<u>ITEM.</u> 1.	DESCRIPTION ACTUATOR (LOCATION MAY YARY). DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. RUSKIN'S UL LISTED FIRE DAMPER ACTUATORS MAY BE FIELD INSTALLED IF PROPERLY LABELED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
2.	OPTIONAL FIRESTAT OR SPIOO
3.	AUXILLARY OPERATING JACK SHAFT
4. =	DAMPER
5.	OVER CENTER LOCK SLEEVE
6. 7.	OLEEYE CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME
8. 9.	PFMA OR CONVENTIONAL MOUNTING ANGLES S-JOINT/DUCT MATE, SLEEVE TO DUCT

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Į	UNIT DESIGNATION	CHILLER-1
LC	OCATION	ROOF
	EER	10.5
	DESIGN MANUFACTURER	TRANE
	MANUFACTURER'S MODEL NUMBER	CGAM 52
⊑	MINIMUM CAPACITY, TONS OF REFRIGERATION	52
₹	WATER FLOW, G.P.M.	123.4
CHILER UNI	WATER TEMP. F. ENTERING/LEAVING	55/45
≢	MAXIMUM WATER PRESSURE DROP, FT OF H20	14.2
な	FOULING FACTOR	0.00010
	ELECTRICAL SERVICE	240-3-60
	TOTAL MINIMUM CIRCUIT AMPACITY (MCA)	237
	TOTAL MAXIMUM OVERCURRENT PROTECTION (MOP)	250
	OPERATING WEIGHT, LBS.	4,510
	TYPE	SCROLL
0/	NUMBER OF COMPRESSORS	4
COMPRESSOR	MAXIMUM MOTOR FLA/LRA	44.3/315
<u>8</u>	MAXIMUM MOTOR INPUT DESIGN, KW	
<u>02</u>	ELECTRICAL SERVICE	240-3-60
₹	STARTER TYPE	ACROSS LINE
O	UNLOADING STEPS - % OF CAPACITY	25/50/75/100
	REFRIGERANT TYPE	R410A
	TYPE	AIR COOLED
ΩZ	NUMBER OF FANS	4
S	AMBIENT AIR TEMPERATURÉ, F.	95
CONDENSER	FAN MOTOR H.P. (EACH)	5 KW
₹	TOTAL FULL LOAD/LOCKED ROTOR AMPS	
ŭ	ELECTRICAL SERVICE AVAILABLE	240-3-60
	DRIVE TYPE	

C	HILLER SYSTEM DESCRIPTION
1.	SELF CONTAINED UNITARY HIGH EFFICIENCY SYSTEM WITH FACTORY INTEGRATED SINGLE POINT ELECTRICAL AND CHILLED WATER LINES AND ALL ADDITIONAL MAJOR COMPONENTS NOTED BELOW AS REQUIRED FOR OPERATION.
2.	DUAL HIGH HEAD PUMP PACKAGE (54.1 FT H2Ø AVAILABLE HEAD PRESSURE)
3.	5HP PUMP
4.	5-GALLON EXPANSION TANK
5.	VARIABLE SPEED FLOW CONTROL
6.	SINGLE POINT ELECTRICAL CONNECTION
٦.	SINGLE POINT CHILLED WATER LINES CONNECTIONS
8.	MAKE-UP WATER CONNECTION
9.	CENTRAL CONTROL SYSTEM

	AN COIL UNIT SCHE	JULL		ı	T		I		1	ı
UNIT DESIGNATION		FCU-1	FCU-2	FCU-3	FCU-4	FCU-5	FCU-6	FCU-7	FCU-8	FCU-9
AR	REA SERVED	LOBBY (2)	R00M5-							
LO	OCATION	FCU CEILING: PLENUM								
MO	OUNTING TYPE	HORIZONTAL -								-
	TOTAL CFM.	75Ø	400	300	53Ø	22Ø	49Ø	260	35Ø	560
_[VENT AIR C.F.M.	90	40	35	40	25	40	25	40	40
∄[EXTERNAL STATIC PRESS. IN OF H2O	Ø.5								-
l ⊢	MOTOR (WATTS)	300								-
	MOTOR SPEED, R.P.M.									
	COIL TYPE / NUMBER OF ROWS	4								,
╡┞	TOTAL CAPACITY B.T.U.H.	24,700	12,100	9,400	15,000	6,800	14,200	7,500	10,800	16,100
8 [TOTAL SENSIBLE B.T.U.H.	18,100	9,750	7400	12,600	5,350	11,800	6,100	8,400	13,600
₽[ENTERING AIR TEMP. DB / WB °F	77.3/65.1	76.8/64.5	77.0/64.8	76.6/64.2	77.3/64.9	76.8/64.3	76.9/64.6	77.2/65.0	76.5
ᇹ[WATER TEMP? F ENTERING/LEAVING	45/55 —								•
8	CHILLED WATER FLOW RATE G.P.M.	5	2.5	2	3	1.4	2.8	1.5	2.2	3.2
	CHILLED WATER PRESS. DROP, FT. OF H2C									
-11	TYPE	I' THROWAWAY								•
ΓIL	LTER SIZE	MANUF RECOM-								•
ACCESSORIES		SEE FCU -								-
CONTROLS		DESCRIPTION -								-
DESIGN MANUFACTURER MANUFACTURER'S MODEL NUMBER ELECTRICAL SERVICE HEATING KW NOMINAL SIZE (WXDXH)		TRANE-								•
		FCDBØ6Ø4J	FCDBØ4Ø4J	FCDBØ3Ø4J	FCDB0604J	FCDBØ2Ø4J	FCDBØ6Ø4J	FCDBØ4Ø4J	FCDB0604J	FCDBØ8Ø4J
		240-1-60-								-
		3.0	2.Ø	2.Ø	2.Ø	1.0	3.0	1.0	2.Ø	3.Ø
		26×50×10 —								
WEIGHT (POUNDS)		150								

HVAC DESIGN	YES	NO
DUCT SMOKE DETECTOR		•
FIRE DAMPER(S)		
SMOKE DAMPER(S)		•
FIRE RATED ENCLOSURE	•	
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		•
FIRE STOPPING	•	
SMOKE CONTROL		

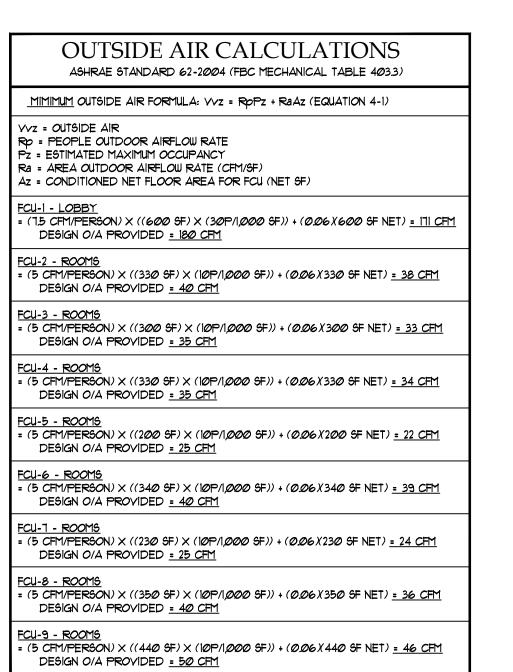
FCU'S DESCRIPTION

FAN COIL UNIT, HORIZONTAL CABINET 240V IP 60 HZ WITH PIPING, RIGHT HAND CONNECTION BACK DUCT WOLLAR RETURN FRONT DUCT COLLAR SUPPLY HIGH STATIC FAN MOTOR STAINLESS STEEL DRAIN PAN MANUAL AIR VENT

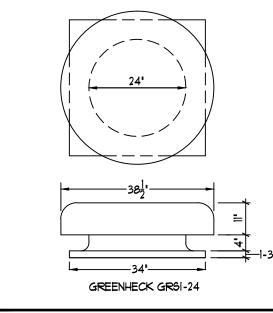
DELUXE BALL VALVES FOR SUPPLY & RETURN WITH AUTOFLOW VALVE TRACER ZN 520

DISCONNECT CIRCUIT BREAKER

WALL MOUNTED DIGITAL ZONE SENSOR (OALMH,SP,O/C,COMM) . 5.0 GPM AUTOFLOW VALVE (MAIN)



DESIGN <u>EXCEEDS</u> MINIMUM OUTSIDE AIR REQUIREMENTS								
AIR DISTRIBUTION SCHEDULE								
USE TYPE MODEL COMMENTS								
4	OUTSIDE AIR WALL LOUVER	BIRDSCREEN	RUSKIN ELFSII-55	SIZE AS NOTED ON PLAN				

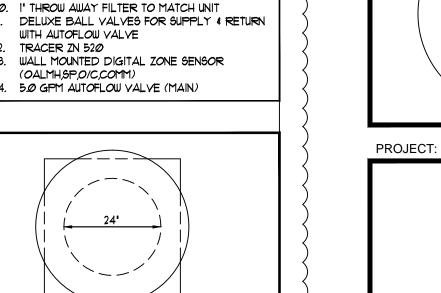


OUTSIDE AIR INTAKE HOOD

UNIT DESIGNATION

	AF	REA SERVED	ENTIRE BUILDING C FROM FCU'
	∄	EIGHT LBS	
	Ц	DCATION	ROOF
	FΑ	N TYPE	INTAKE GRAVITY VE
		TOTAL AIR CFMDESIGN/MAXIMUM RATING	2,160/2,438
		DRIVE TYPE	
		FAN WHEEL TYPE	
		FAN SPEED, RPM	
		TOTAL STATIC PRESSURE, IN OF H20	Ø.I
	z	FAN MOTOR HP (NON OVERLOAD)	
	N∀∃	SONES	
		FAN MOTOR STARTER TYPE	
		ELECTRICAL SERVICE AVAILABLE	
		MASONRY OPENING REQUIRED	26X26
		SERVICE SWITCH	
	ခ	FIRESTAT UL APPROVED	
	띪	FIRE DAMPER	
	4CCESSORIES	CONSTRUCTION	ALUMINUM
)E9	MULTIBLADE BACKDRAFT DAMPER	YES
	γ	BIRDSCREEN	YES
	`	COMPANION CURB MODEL	YES
		VARIABLE SPEED CONTROL	
	DE	SIGN MANUFACTURER	GREENHEC
	D#	SIGN MEGE MODEL NUMBER	GP91-24

DESIGN MFGR. MODEL NUMBER NOTE: BEFORE COMMENCING WORK, CONTRACTOR SHALL FIELD VERIFY MANUFACTURER'S REQUIRED CLEARANCES AND ALIGN OPENINGS ALONG CENTERLINE OF JOISTS. FIELD COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER.



<u>OAI-1</u>

VENEZIA HOTEI

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rchitecture / interior / plannin

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ENGINEERING CONSULTANTS LLC AND ORLANDO NARANJO PE.

BEACH FLORIDA, 33140 MECHANICAL SYSTEM REPLACEMENT AND EXTERIOR

FACADE IMPROVEMENTS

3865 INDIAN CREEK DR. MIAMI

_	MAN	AGEMENT:		
	#	REVISIONS		DATI
	Λ	BLDG DEPT REV		3-28-
	DAT	E:	3-7-20	14 PERM
	PRC	DJECT No. :	14-002	2
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SHEET TITLE:

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SCHEDULES & DETAILS

SHEET No:

HVAC UNITS CONDENSATE DRAIN

1. PROVIDE 2' CONDENSATE DRAIN WITH 3' VENTED P-TRAP, RUN ABOVE CEILING AND ALONG WALL TO TERMINATED AT EXISTING CONDENSATE DRAIN POINT OF CONNECTION FOR THIS TENANT SPACE. 2. CONTRACTOR SHALL FIELD COORDINATE EXACT POINT OF CONNECTION, SIZE, AND ROUTING WITH EXISTING AC UNIT CD LINE BEFORE COMMENCING

3. CONDENSATE LINES SHALL BE INSULATED WHERE RUN WITHIN CONDITIONED 4. PROVIDE DRAIN SENSOR TO SHUT OFF UNIT IN CASE OF CLOGGING AND/OR

MALFUNCTION, AND ACTIVATE AUDIO/VISUAL ALARM AT TENANT SELECTED