FAN SCHEDULE

MARK	SELECTION BASED ON		TYPE	SERVICE	CFM	ESP IN WG	RPM	MOTOR DATA			DRIVE	SONES OR (DBA)	UNIT WEIGHT LB	ROOF OPENING	ACCESSORIES/ REMARKS
	MAKE	MODEL NO.						HP (W)	RPM	VOLTS-PH-HZ					
EF-1	GREENHECK	G-060-VG	CENTRIFUGAL ROOF EXHAUST	JANITOR EXHAUST	100	0.35	1675	1/15	1725	120-1-60	DIRECT	4.2	39	13.5X13.5	1,2,3,6
EF-2	GREENHECK	G-070-VG	CENTRIFUGAL ROOF EXHAUST	BATHROOM EXHAUST	200	0.35	1533	1/15	1725	120-1-60	DIRECT	4.3	40	13.5X13.5	1,3,5,6
EF-3	GREENHECK	G-120-VG	CENTRIFUGAL ROOF EXHAUST	BATHROOM EXHAUST	1150	0.50	1232	1/2	1725	120-1-60	DIRECT	9.3	69	15.5X15.5	1,3,5,6
EF-4	GREENHECK	G-099-A	CENTRIFUGAL ROOF EXHAUST	RELIEF FAN	800	0.35	1335	1/4	1725	480-3-60	DIRECT	9.1	72	15.5X15.5	1,4,5,6,7
EF-5	GREENHECK	G-160-A	CENTRIFUGAL ROOF EXHAUST	RELIEF FAN	2800	0.50	1151	2	1725	480-3-60	DIRECT	14.4	108	18.5X18.5	1,4,5,6,7
EF-6	GREENHECK	G-099-A	CENTRIFUGAL ROOF EXHAUST	RELIEF FAN	800	0.35	1335	1/4	1725	480-3-60	DIRECT	9.1	72	15.5X15.5	1,4,5,6,7

GENERAL FAN NOTES:

1. PROVIDE MOTOR STARTERS, DISCONNECTS AND ALL ASSOCIATED CONTROLS ON ALL FANS.
2. PROVIDE BACKDRAFT FOR ALL EXHAUST FANS .
3. FIELD ADJUST OPENINGS WITH STRUCTURE.
4. COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE BIDDING OR ORDERING ANY EQUIPMENT.
5. SEE GENERAL, AIR CONDITIONING, DUCTWORK, AND COORDINATION NOTES FOR OTHER FIELD SUPPLIED ITEMS.

ACCESSORIES / REMARKS:

1. ROOF CURB.
2. CONTINUOS OPERATION.
3. VARI GREEN EC MOTOR W/ DIAL.
4. VFD.
5. INTERLOCK W/ RTU.
6. NOA NO.:22-0606.03.
7. BUILDING PRESSURE CONTROL.

BUILDING AIR BALANCE SCHEDULE

TAG	SUPPLY AIR CFM	OUTSIDE AIR CFM	RETURN AIR CFM	EXHAUST AIR CFM	SPACE NET PRESSURE CFM
RTU-1	3450	800	2650	880	-80
RTU-2	5495	1750	3745	---	+1750
RTU-3	4360	1000	3360	---	+1000
RTU-4	12000	3000	9000	---	+3000
RTU-5	4425	1000	3425		+1000
EF-1	---	---	---	100	-100
EF-2	---	---	---	200	-200
EF-3	---	---	---	1150	-1150
EF-4	---	---	---	800	-800
EF-5	---	---	---	2800	-2800
EF-6	---	---	---	800	-800
TOTAL	29730	7550	22180	6730	+820 BUILDING PRESSURE

SPLIT SYSTEM CASSETTE HEAT PUMP SCHEDULE

	INDOOR UNIT							OUTDOOR UNIT					SYSTEM									
													REF. LINES		POWER SUPPLY			COMP	OU. FAN		IU. FAN	
TAG	MANUF/ MODEL	CAPACITY COOLING BTU/H	CAPACITY HEATING BTU/H	EER/ SEER	DIMENSION HxWxD in.	WEIGHT lbs	TAG	MANUF/ MODEL	COMPRESSOR MOTOR OUTPUT W	DIMENSION HxWxD in.	WEIGHT lbs		SUCTION	LIQUID	HZ-VOLT	MCA	MOCP	RLA	MOTOR W	FLA	MOTOR W	FLA
AHU-1	DAIKIN/ FFQ09Q2VJU	9100 (4600-11000)	10000 (4600-14000)	13.0/ 20.9	10-1/4x22-5/8x 22-5/8	36	CU-1	DAIKIN/ RX09RMVJU9A	790	21-5/8x26-9/16 x11-3/16	60		3/8"	1/4"	60-208	9.0	15	7.5	39	0.13	50	0.28

SPLIT SYSTEM NOTES:

1. PROVIDE FACTORY INSTALLED DRAIN PAN.
2. PROVIDE CONDENSATE OVERFLOW SWITCH.
3. PROVIDE FILTER FOR AHU.
4. PROVIDE CONDENSING UNIT WITH SINGLE POINT POWER, DISCONNECT SWITCH, NON POWERED.
5. PROVIDE FACTORY INSTALLED COPPER TUBE ALUMINUM FIN CONDENSER COIL.
6. PROVIDE CONDENSING UNIT W/ CORROSION PROTECTION ON CONDENSER COIL.
7. SIZE AND RUN REFRIGERANT PIPING AS MANUFACTURER'S LATEST PUBLISHED RECOMMENDATION.
8. INSULATE REFRIGERANT PIPES WITH ARMAFLEX.
9. PROVIDE FRESH AIR OPTION.

OUTSIDE AIR CALCULATIONS

(BASED ON ASHRAE STANDARD 62.1-2010 AND 2020 FBC(M)).

ZONE	OCCUPANCY CATEGORY	Az (SF)	Pz (CFM/P)	Roz (CFM/SF)	Pz	Vbz (CFM)	Ev	Voz (CFM)	Vot (CFM)	OA REQUIRED (CFM)	OA PROVIDED (CFM)
RTU-1											
MIK\AH ROOM (CALCULATED AS POOL AND POOL DECK AREA)			0.48 CFM/S. F OF EXH.: 0.48X1605=771 CFM. 800 CFM MIN. EXH. TOTAL EXH.: 800 + 200 UC=1000 CFM TOTAL EXH. 800 CFM O/A PROVIDED BY RTU-1 (DEDICATED DEHUMIDIFICATION AC SYSTEM)								
RTU-2											
BOILER RM (ELECTRICAL)	STORAGE	122	---	0.12	---	14.7	1	14.7	15.0		
CHEDER LIMUD	CLASSROOM	704	10.0	0.12	35	434.5	1	434.5	435.0		
COFFEE RM	CAFETERIA	204	7.5	0.18	10	112.0	1	112.0	112.0		
CORRIDOR	CORRIDOR	1490	---	0.06	---	89.4	1	89.4	90.0		
JAN/STORAGE	STORAGE	146	---	0.12	---	17.6	1	17.6	18.0		
WARMING KITCHEN	KITCHEN	100	7.5	0.12	2	27.0	1	27.0	27.0		
MAIN ENTRANCE	LOBBIES	275	7.5	0.06	10	91.5	1	91.5	92.0		
MIK\AH OFFICE	OFFICE	100	5.0	0.06	2	16.0	1	16.0	16.0		
SPK RM	STORAGE	43	---	0.12	---	5.5	1	5.5	6.0		
VESTIBULE	LOBBIES	102	7.5	0.06	10	81.5	1	81.5	82.0		
WOMEN'S ENTRANCE	LOBBIES	167	7.5	0.06	10	85.0	1	85.0	85.0		
										978.0	1750.0
RTU-3											
NE BEIS MEDRASH	PLACE OF RELIGIOUS W.	1492	5.0	0.06	180	990.0	1	990.0	990.0	990.0	1000.0
RTU-4											
MAIN BEIS MEDRASH	PLACE OF RELIGIOUS W.	4537	5.0	0.06	545	2998.0	1	2998.0	2998.0	2998.0	3000.0
RTU-5											
SW BEIS MEDRASH	PLACE OF RELIGIOUS W.	1492	5.0	0.06	180	990.0	1	990.0	990.0	990.0	1000.0
AHU-1											
RABBI'S OFFICE	OFFICE	199.0	5.0	0.06	2	10.0	1	10.0	10.0	10.0	10.0

DEFINITIONS:
Az: AREA
Rpz: PEOPLE OUTDOOR AIR RATE
Roz: AREA OUTDOOR AIR RATE
Pz: OCCUP. DENSITY
Vbz: BREATHING ZONE OUTDOOR AIR FLOW
Az
Ev: ZONE AIR DISTRIBUTION EFFECTIVENESS
Voz: ZONE OUTDOOR AIR FLOW
Vot: OUTDOOR AIR INTAKE FLOW

RISE | FL architecture

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Project No.: 230515-F

CIVIL CONSULTANT:

REVISIONS:

NO.	DATE	DESCRIPTION

CLIENT:
JAM EQUITIES

PROJECT NAME / LOCATION:
OKEE - SHUL
PROJECT ADDRESS

DRAWING TITLE:
MECHANICAL SCHEDULES

EXAMINER'S SIGNATURE:

PROFESSIONAL SEAL:
GEORGE SANJUAN ... STATE OF FLORIDA ... REGISTERED ENGINEER
Digitally signed by George SanJuan
Date: 2023.12.27 10:46:15 -05'00'

SCALE: 12" = 1'-0"
DATE:
PROJECT NO.: NJ079.4

M002

DRAWING NO.:

BARCODE

THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE DRAWING. THE DRAWING SHALL NOT BE USED UNTIL SIGNED BY CONSULTANTS.

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