AIR HANDLING UNIT SCHEDULE

				SUPPLY FAN						CHILLED WATER COIL					HOT WATER COIL					
MARK	LOCATION	BASIS OF DESIGN	OVERALL DIMENSIONS, IN.	DESIGN AIRFLOW, CFM	MIN OUTSIDE AIRFLOW, CFM	EXTERNAL STATIC, IN. WG	DRIVE TYPE	HP	FAN POWER (V/PH/HZ)	ENTERING AIR TEMP. (DB F)	LEAVING AIR TEMP. (DB F)	MIN. TOTAL CAPACITY (MBH)	MIN. SENSIBLE CAPACITY	TOTAL FLOW (GPM)	ENTERING AIR TEMP. (F)	LEAVING AIR TEMP. (F)	ENTERING WATER TEMP. (F)	LEAVING WATER TEMP. (F)	MIN. SENSIBLE CAP.	TOTAL FLOW (GPM)
AHU-1	MECHANICAL ROOM 1	DAIKIN	68"x54"x74"	2,360	1,000	0.50	DIRECT	1.5	208-3-60	75.8	55	89	48.8	6.5	41.7	90.0	150.0	120.0	123.1	8.2
AHU-2	MECHANICAL ROOM 2	DAIKIN	68"x54"x66"	1,295	600	0.50	DIRECT	1.5	208-3-60	75.4	55	65	38.0	5.1	39.5	90.0	150.0	120.0	70.6	4.7
AHU-3	MECHANICAL ROOM...	DAIKIN	76"x58"x34"	3,610	3,610	1.50	DIRECT	5.0	208-3-60	92.0	55	181	92.9	19.8	10.0	70.0	150.0	120.0	233.9	15.6
AHU-4	MECHANICAL ROOM...	DAIKIN	72"x46"x30"	1,770	1,770	1.25	DIRECT	3.0	208-3-60	92.0	55	100	42.2	9.7	10.0	70.0	150.0	120.0	114.7	7.6

NOTES:
1. VARIABLE FREQUENCY DRIVE MOTORS AND SUPPLY FANS. 208 VOLT, 3 PHASE, 4 WIRE POWER TO ALL MOTORS.
2. PRIOR TO ORDERING MOTORS, COORDINATE WITH ELECTRICAL CONTRACTOR TO CONFIRM BREAKER SIZE.
3. FLOW PATH SHALL BE AS FOLLOWS: RETURN AIR FAN, EXHAUST BOX, MIXING BOX, MERV 13 FILTER, CHILLED WATER COIL, HOT WATER COIL, SUPPLY FAN
4. INSTALL A TRAPPED CONDENSATE DRAIN LINE AT UNIT DRAIN CONNECTION. ALL UNITS HAVE A 1 IN. FPT DRAIN CONNECTION.
5. UNITS SHALL BE MOUNTED WITH CROSSBEAM MOUNTS WITH VIBRATION ISOLATORS.
6. ALL UNITS SHALL BE DOUBLE WALL CONSTRUCTION WITH 1 INCH INSULATION.
7. 2 INCH PLEATED MERV 13 FILTERS. PROVIDE THROWAWAY MERV 13 FILTERS DURING CONSTRUCTION.
8. PROVIDE ADJUSTABLE SHEAVES FOR ALL BELT DRIVES.
9. OR APPROVED EQUAL
10. ALL MOTORS SHALL BE PREMIUM EFFICIENCY
11. PROVIDE A SPARE FILTER SET FOR EACH UNIT
12. OR APPROVED EQUAL

FAN COIL UNIT SCHEDULE

			SUPPLY FAN						CHILLED WATER COIL					HOT WATER COIL					
MARK	SERVES	BASIS OF DESIGN	DESIGN AIRFLOW, CFM	MIN OUTSIDE AIRFLOW, CFM	EXTERNAL STATIC, IN. WG	DRIVE TYPE	HP	FAN POWER (V/PH/HZ)	ENTERING AIR TEMP. (DB F)	LEAVING AIR TEMP. (DB F)	MIN. TOTAL CAPACITY (MBH)	NO. OF ROWS	TOTAL FLOW (GPM)	ENTERING AIR TEMP. (F)	LEAVING AIR TEMP. (F)	ENTERING WATER TEMP. (F)	LEAVING WATER TEMP. (F)	MIN. SENSIBLE CAP.	TOTAL FLOW (GPM)
FCU-1	SNACK BAR 103	JCI	870	500	0.50	DIRECT	1/6	120-1-60	74.3	55	23	6.0	3.1	67.9	95.0	150.0	120.0	25	1.7
FCU-2	EATING AREA 104	JCI	1,350	600	0.50	DIRECT	1/4	120-1-60	75.6	55	56	6.0	7.5	67.2	95.0	150.0	120.0	41	2.7
FCU-3	ACTIVITY ROOM 105	JCI	850	440	0.50	DIRECT	1/6	120-1-60	74.8	55	28	6.0	3.7	67.6	95.0	150.0	120.0	25	1.7
FCU-4	TOILET ROOMS...	JCI	570	350	0.50	DIRECT	1/4	120-1-60	73.9	55	22	6.0	2.9	68.1	95.0	150.0	120.0	17	1.1
FCU-5	INFANT/TODDLER 125	JCI	850	550	0.50	DIRECT	1/6	120-1-60	73.5	55	35	6.0	4.7	68.2	95.0	150.0	120.0	25	1.6
FCU-6	RECEPTION 130	JCI	665	250	0.25	DIRECT	1/4	120-1-60	76.2	55	21	6.0	2.8	66.9	95.0	150.0	120.0	20	1.3
FCU-7	PREK/K 126	JCI	945	600	0.50	DIRECT	1/6	120-1-60	73.7	55	37	6.0	4.9	68.2	95.0	150.0	120.0	27	1.8
FCU-8	PARENT WAITING 135	JCI	840	280	0.50	DIRECT	1/6	120-1-60	76.7	55	27	6.0	3.6	66.7	95.0	150.0	120.0	26	1.7
FCU-9	ACTIVITY ROOM 139	JCI	600	350	0.40	DIRECT	1/4	120-1-60	74.2	55	20	6.0	2.7	67.9	95.0	150.0	120.0	18	1.2
FCU-10	OFFICE 146	JCI	530	190	0.15	DIRECT	1/6	120-1-60	76.4	55	24	6.0	3.2	66.8	95.0	150.0	120.0	16	1.1
FCU-11	LAUNDRY 147	JCI	400	100	0.50	DIRECT	1/6	120-1-60	77.5	55	6.9	6.0	0.9	66.3	95.0	150.0	120.0	12	0.8
FCU-12	ACTIVITY ROOM 129	JCI	1,015	400	0.50	DIRECT	1/4	120-1-60	76.1	55	42.1	6.0	5.6	67.0	95.0	150.0	120.0	31	2.0
FCU-13	TOILET ROOM 117	JCI	410	150	0.50	DIRECT	1/6	120-1-60	76.3	55	12.9	6.0	1.7	66.8	95.0	150.0	120.0	12	0.8
FCU-14	TRAINING/LOUNGE 113	JCI	650	120	0.25	DIRECT	1/4	120-1-60	78.2	55	25	6.0	3.3	65.9	95.0	150.0	120.0	20	1.4
FCU-15	SNACK BAR 103	JCI	1,050	500	0.25	DIRECT	1/4	120-1-60	75.2	55	51	6.0	6.8	67.4	95.0	150.0	120.0	31	2.1

NOTES:
1. ECM MOTORS ON SUPPLY FANS. 208 VOLT, 3 PHASE, 4 WIRE POWER TO ALL MOTORS.
2. INSTALL A TRAPPED CONDENSATE DRAIN LINE AT UNIT DRAIN CONNECTION. ALL UNITS HAVE A 1 IN. FPT DRAIN CONNECTION.
3. UNITS SHALL BE MOUNTED WITH CROSSBEAM MOUNTS WITH VIBRATION ISOLATORS.
4. ALL UNITS SHALL BE DOUBLE WALL CONSTRUCTION WITH 1 INCH INSULATION.
5. 2 INCH PLEATED MERV 13 FILTERS. PROVIDE THROWAWAY MERV 13 FILTERS DURING CONSTRUCTION.
6. OR APPROVED EQUAL

LOUVER SCHEDULE

MARK NO.	TYPE	MOUNTING	LOCATION	SIZE	BASIS OF DESIGN
L-1	STATIONARY	WALL	SEE PLANS	48"X36"	RUSKIN L375D
L-2	STATIONARY	WALL	SEE PLANS	36"X36"	RUSKIN L375D

NOTES
SCHEDULE DOES NOT INDICATE QUANTITIES. FOR QUANTITIES OF EACH ITEM SEE PLANS
1. LOUVER TO HAVE A MINIMUM 0.55 SQFT OF FREE AREA
2. LOUVER TO BE RATED FOR OUTDOOR USE AND DRAINABLE
3. VERIFY COLOR WITH BUILDING OWNER PRIOR TO ORDERING LOUVERS
4. OR APPROVED EQUAL

STATE OF NEW YORK
DAVID GUY SPENCER
100871
LICENSED PROFESSIONAL ENGINEER

MARK	DESCRIPTION	DATE

DESIGNED BY: D. SPENCER
DRAWN BY: A. LEM
CHECKED BY: M. WHALEN
SUBMITTED BY:
ISSUE DATE: 07/01/2022
SOLICITATION NO.:
CONTRACT NO.: W911SD21D0006
SIZE: ANSI D

Henningson, Durham & Richardson Architecture and Engineering, P.C.
711 Weschester Avenue
White Plains, NY 10604-350

140 BUCKNER LOOP, WEST POINT, NY
LEE CHILD DEVELOPMENT CENTER BLDG. 140 HVAC SYSTEM & DRAINAGE
DESIGN
10324688

HVAC SCHEDULES

SHEET
M-602

RTA SUBMISSION