IN CHARGE OF CHECKED BY _	<u>JW</u> RG	ANY WAY, UNLES	N OF NYS LAW FOR SS ACTING UNDER TH A DOCUMENT BEARIN	HE DIRECTION OF A	A LICENSED PROFES
MADE BY		 THE ALTERING E NOTATION "ALTER SUCH ALTERATIO	NGINEER SHALL AFFI RED BY" FOLLOWED I N, AND A SPECIFIC	X IO THE DOCUME BY THEIR SIGNATUR DESCRIPTION OF TH	NI THEIR SEAL AN RE AND THE DATE ( HE ALTERATION.

EXHAUST FAN SCHEDULE							
DESIGNATION	EF-1	EF-2	EF-3				
LOCATION	GOLF CART STORAGE	GOLF CART STORAGE	GOLF CART STORAGE				
AREA SERVED	GOLF CART STORAGE	GOLF CART STORAGE	GOLF CART STORAGE				
MODEL	SQ-140 (VARI-GREEN)	SQ-140 (VARI-GREEN)	SQ-140 (VARI-GREEN)				
CFM	1,800	1,800	1,800				
BHP	0.3	0.3	0.3				
HP	3/4	3⁄4	3⁄4				
FAN RPM	1140	1140	1140				
$SP$ (IN $H_2O$ )	0.375	0.375	0.375				
VOLTS/Ø/Hz	230/1/60	230/1/60	230/1/60				
INTERLOCK	_	_	_				

OTES:

1. FANS BASED ON GREENHECK. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY.

3. FURNISH MOTOR STARTERS AND DISCONNECT SWITCHES FOR EACH FAN.

4. FURNISH MOTOR AND BELT GUARD FOR ALL EXTERNAL MOTOR DRIVES.

5. FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION.

6. FURNISH WALL MOUNTED SPEED CONTROLLER OR THERMOSTAT AS INDICATED ON PLAN.

## ENERGY RECOVERY SCHEDULE

DESIGNATION	ERV-1				
LOCATION	STORAGE				
AREA SERVED	TOILET/LOCKER ROOM				
MANUFACTURER	GREENHECK				
MODEL	ERV-20-15L				
WEIGHT	779				
SUPPLY FAN:	•				
CFM	1,000				
MIN OA CFM	1,000				
HP	3⁄4				
ESP/TSP	0.75/0.845				
EXHAUST FAN:					
CFM	1,000				
HP	3⁄4				
ESP/TSP	0.75/0.849				
ENERGY CONSERVATION WHEEL: (SUMMER C	DAT 95/75, WINTER OAT 0/0)				
SUMMER SAT DB/WB	78.3/66.2				
SUMMER RAT DB/WB	75.0/63.9				
SUMMER EAT DB/WB	91.5/73.2				
WINTER SAT DB/WB	60.7/48.8				
WINTER RAT DB/WB	55.8/35.0				
WINTER EAT DB/WB	20.4/19.0				
FILTERS DATA:	•				
QUANTITY/SIZE	8–20x20 (EXHAUST AIR) 8–20x20 (OUTDOOR AIR)				
EFFICIENCY	MERV 8				
ELECTRICAL DATA:	•				
VOLTS/Ø/Hz	208 / 1 / 60				
MCA	18.5				
MAX FUSE SIZE	25.0				
NOTES: 1. FURNISH THE FOLLOWING OPTIONS AND ACCESSORIES: ROOM TEMPERATURE SENSOR. PREMIUM EFFICIENCY MOTORS ANGLE FILTER SECTIONS WITH MERV-8 FILTERS. DIRTY FILTER SENSOR - OUTDOOR AND EXHAUST AIR. OUTDOOR AIRFLOW MONITORING. ROTATION SENSOR. DUCT FLANGE. MICROPROCESSOR CONTROLS. SPRING VIBRATION ISOLATORS. MOTORIZED SUPPLY AND RETURN LOW LEAKAGE DAMPERS. FROST CONTROL - MODULATING WHEEL. 3. FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET.					

- 3. FURNISH EXTRA DRIVE BELT AND EXTRA FILTER SET 4. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. 5. UNIT SHALL BE UL LISTED.

EQUIPMENT NOTES:					
1.) <u>LOUVERS:</u> SHALL BE RUSKIN MODEL ELF375 ALUMINUM 6063—T5, ANODIZED CUSTOM CO FURNISH 1/2" GALVANIZED STEEL BIRD SCF PLANS.	DLOR TO BE SUBMITTED F	OR APPROVAL.			
2.) MOTORIZED DAMPER: SHALL BE RUSKIN MC AIRFOIL DAMPER. DAMPER SHALL HAVE OPP DAMPER SHALL BE 120V, 3 AMP MAX. DAM 2.1) OUTSIDE AIR INTAKE & EXHAUST DAM DAMPERS WITH MAXIMUM LEAKAGE R TESTED IN ACCORDANCE WITH AMCA TO CLOSE AUTOMATICALLY WHEN THE IN USE.	POSED BLADES, MOTOR, A IPER SHALL BE LOW-LEA MPERS SHALL BE CLASS ATE OF 4 CFM/FT <sup>2</sup> @ 1.0 500D. DAMPERS SHALL B	AND LINKAGE. KAGE RATED TYPE. I MOTORIZED )"W.G.; BE CONFIGURED			
3.) <u>CEILING DIFFUSERS</u> : SHALL BE TITUS MODEL DAMPER. ALL STEEL CONSTRUCTION. FINISH SHALL BE WHITE. FRAME SHALL BE SUITAB NECK SHALL BE ROUND. REFER TO PLANS COORDINATE WITH ARCH PLANS.	SHALL BE BAKED ON EN LE FOR LAY IN OR SURF	NAMEL, COLOR ACE MOUNTING.			
4.) <u>SUPPLY AIR REGISTERS</u> : SHALL BE TITUS M DEFLECTION, ALL ALUMINUM CONSTRUCTION VOLUME DAMPER, SIZE AND CFM AS NOTED ENAMEL, COLOR SHALL BE WHITE. FRAME OR LAY IN. COORDINATE WITH ARCH PLAN	, AIRFOIL BLADES WITH C ) ON PLANS. FINISH SHA ] SHALL BE SUITABLE FOI	PPOSED BLADE ALL BE BAKED ON			
5.) <u>RETURN &amp; EXHAUST AIR REGISTERS</u> : SHALI 35° FIXED DEFLECTION, ALL ALUMINUM CON BLADE VOLUME DAMPERS, SIZE AND CFM A BAKED ON ENAMEL, COLOR SHALL BE WHIT SURFACE MOUNT OR LAY IN. COORDINATE	STRUCTION, AIRFOIL BLAD AS NOTED ON PLANS. FII TE. FRAME SHALL BE SU	DES WITH OPPOSED NISH SHALL BE			
8.) <u>HEAVY DUTY SIDEWALL RETURN AIR REGIST</u> SHALL BE TITUS MODEL 33RL, STEEL CONS DEFLECTION, 16-GAUGE BORDER, 14-GAUG OPPOSED BLADE VOLUME DAMPER IN NECK FINISH SHALL BE BAKED ON ENAMEL. SUE SHALL BE SUITABLE FOR SURFACE MOUNTIN	TRUCTION, WITH 1/2" SPA E BLADES, SUPPORT BAR , SIZE AND CFM AS NOTE BMIT COLOR CHART FOR A	ACING, 38° FIXED S 6" ON CENTER, ED ON PLANS. APPROVAL. FRAME			
9.) <u>THERMOSTAT GUARDS</u> : PROVIDE LOCKING T THERMOSTATS AND CO2 SENSORS. COVER TUMBLER TYPE KEY LOCK. SIMILAR TO HON	SHALL BE CLEAR ACRYLIC				
10.) <u>REFRIGERANT PIPE INSULATION:</u> SHALL BE AP ARMAFLEX PIPE INSULATION. 1" THICK UNSLIT, TO BE INSTALLED BEFORE FINAL CONNECTION. FIELD FABRICATE FITTING INSULATION WITH MITER-CUTS. ALL BUTT JOINTS AND SEAMS ARE TO BE SEALED WITH ARMSTRONG 520 ADHESIVE. ALL INSULATION INSTALLED OUTDOORS SHALL BE COATED WITH ARMSTRONG ARMAFLEX FINISH, AS PER THE MANUFACTURERS RECOMMENDATIONS.					
11.) <u>VERTICAL INDOOR HEAT PUMP (HP-1)</u> : SHALL BE 3-TON VERTICAL DUCTED DAIKIN MODEL FTQ36PBVJU RATED AT 36,000 BTUH COOLING / 40,000 BTUH/HEATING; 1,200 CFM @ 0.8" ESP; ¾"RL & %"HG, R-410A REFRIGERANT. MICROPROCESSOR THERMOSTAT FOR COOLING AND HEATING. ELECTRICAL: 208-230/1/60, 2.8 MCA, 15 MOCP.					
OUTDOOR UNIT <u>ACC-1</u> SHALL BE 3-TON DAIKIN MODEL RZQ36PVJU9 OUTDOOR COMPRESSOR RATED AT 36,000 BTUH COOLING / 40,000 BTUH HEATING; ELECTRICAL: 208-230/1/60, 27 MCA, 30 MOCP.					
12.) <u>ELECTRIC UNIT HEATER (UH-1 &amp; UH-2)</u> : SHALL BE MARKEL MODEL F1FUH05003, RATED AT 400 CFM, 17.1 MBH, 5 kW, 208V/1φ/60Hz, 24 AMPS. PROVIDE THE FOLLOWING OPTIONS: FAN GUARD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT SWITCH, & WALL THERMOSTAT.					
13.) <u>VIBRATION ISOLATORS:</u> ALL INDOOR AND OUTDOOR HVAC EQUIPMENT SHALL BE MOUNTED ON SPRING VIBRATION ISOLATORS, WITH A RATED STATIC DEFLECTION OF AT LEAST 1". USE MASON TYPE "SLF" OR "SLFH" FOR FLOOR MOUNTED EQUIPMENT, RATED FOR MACHINE LOAD. USE MASON TYPE "30" OR "W30" FOR EQUIPMENT SUSPENDED FROM CEILING. ASSUMING THE EQUIPMENT IS MOUNTED TO PROVIDE FOR EQUAL LOAD DISTRIBUTION, EACH SPRING SHALL BE RATED FOR 1/4 THE UNIT'S TOTAL WEIGHT. SYSTEMS MUST BE ENGINEERED FOR 95% ISOLATION EFFICIENCY AT THE LOWEST ROTATIONAL SPEED OF THE UNIT.					
DBA0006.00	olace.com	TOELLEN ABBATTOTHE * LOCELLEN ABBATTOTHE *			
EVISION UMBER DATE MADE APP'D BY BY REVISION					
RECORD DRAWING CERTIFICATION					
AS BUILT – CHANGES AS NOTED AS BUILT – NO CHANGES					
CONTRACTOR	PROJECT CO	DORDINATOR			
SIGNATURE DATE	SIGNATURE	DATE			
WESTCHESTER COUNTY, DEPARTMENT OF PUBL	NEW YORK	CONTRACT NUMBER 17 - 539 M-601			
DEL AICINERI OF FODE DIVISION OF ENGINEERIN		SHEET NO. 40 OF 59			

NEW GOLF CART STORAGE FACILITY AND CLUBHOUSE UPGRADES MOHANSIC GOLF COURSE, YORKYOWN, NEW YORK MECHANICAL SCHEDULES 10-02-M-73-0

10-02-M-73-0