

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

UNIT NO.	LOCATION	CFM	AIR HANDLER										A.C.C.U.					A.C.C.U. MANUFACTURER & MODEL NO.	REMARKS			
			EXT. SP.	FAN RPM	BHP	HP	MBH TOT.	MBH SEN.	MBH HTG	VOL.T	PH	M.C.A.	MAX FUSE	VOL.T	PH	M.C.A.	MAX FUSE			OPERATING WEIGHT (LBS)	UNIT NO.	
AC-1	IT ROOM	1306	0.1	-	-	-	36	-	40	208	1	.6	20	HITACHI HIC4036B21S	208	1	31	40	249	ACU-1	HITACHI HV4HP036B21S	
AC-2	VIDEO ROOM	1306	0.1	-	-	-	36	-	40	208	1	.6	20	HITACHI HIC4036B21S	208	1	31	40	249	ACU-2	HITACHI HV4HP036B21S	

REMARKS: PROVIDE CONDENSATE PUMP WITH UNIT PREWIRED.
PUMP ALL CONDENSATE TO INDIRECT DRAIN.
SHALL PROVIDE FULL HEATING TO 0 DEGREES OUTDOOR TEMPERATURE.
PROVIDE THERMOSTAT WITH DDC INTERFACE FOR ALARMS.

EXHAUST AND RETURN FAN SCHEDULE

FAN No.	SYSTEM SERVICED	CFM	TOTAL S.P. IN. V.A.T.	RPM	D.V. FPM	MOTOR					FAN				MANUFACTURER AND MODEL No.	
						BHP	HP	VOL.T	PH	HZ	DRIVE	TYPE	CLASS	ARR.		ROTATION
EF-1,7,8,9,12,13,15,16 EFX-3,4	-	70	.25	950	-	-	52 WATTS	120	1	60	DIRECT	CEILING	-	-	-	GREENHECK CSP-A125
RF-1	HVAC-1	2000	.5	1959	-	.61	1	208	3	60	BELT	IN LINE	-	-	-	GREENHECK BSO-130-10
EF-2,3,4,5,6,10,11,14	-	140	.25	1400	-	-	51 WATTS	120	1	60	DIRECT	CEILING	-	-	-	GREENHECK CSP-A190
RF-2	HVAC-2	8000	1.0	700	-	2.57	3	208	3	60	BELT	IN-LINE	-	-	-	GREENHECK BSO-300-30
RF-3	HVAC-3	8000	1.0	700	-	2.57	3	208	3	60	BELT	IN-LINE	-	-	-	GREENHECK BSO-300-30
CAF-1	BOILERS, WATER HEATER	815	.25	999	-	.18	4.75 AMPS	115	1	60	DIRECT	IN-LINE	-	-	-	GREENHECK CSP-A1050-VG
EFX-12	EXISTING TOILET ROOM	70	.25	950	-	-	52 WATTS	120	1	60	DIRECT	CEILING	-	-	-	GREENHECK CSP-A125
EFX-9	ELEVATOR MACHINE ROOM	400	.5	1246	-	.14	2.45 AMPS	115	1	60	DIRECT	IN-LINE	-	-	-	GREENHECK CSP-A510-VG

REMARKS: 1. ALL EXHAUST FANS SHALL BE INSTALLED WITH BACK DRAFT DAMPER.
2. ALL EXHAUST FANS SHALL OPERATE ON AN OCCUPANCY SENSOR.
3. ALL RETURN FANS SHALL BE INTERLOCKED WITH THEIR SEPARATE HVAC UNIT.
4. EFX-1 AND 2 SHALL BE PRICED UNDER ALTERNATE 1.
5. PROVIDE 'SOFT START' STARTER FOR ALL FANS.
6. RECONNECT THERMOSTATIC CONTROL TO NEW FAN EFX-9.
7. CAF-1 SHALL BE INTERLOCKED TO START WHEN EITHER BOILER OR WATER HEATER TURNS ON.
8. ALL RETURN FANS SHALL BE PROVIDED WITH AFD.

REFRIGERATION MACHINE SCHEDULE

UNIT NO.	TOTAL CAP. (TONS)	VOL.T	PH	HZ	COMPRESSOR				CONDENSER				COOLER				UNIT WEIGHT	MANUFACTURER & MODEL NO.		
					TYPE	INPUT KW	MCA	FUSE	MIN. CAP. (TONS)	REFRIGERANT	GPM	EWT (°F)	LWT (°F)	WPD FT H2O	GPM	EWT (°F)			LWT (°F)	WPD FT H2O
RM-1, 2	32.9	208	3	60	SCROLL	23.5	96	125	-	-	210	85	95	17.1	168	55	45	15.3	1480	CLIMA COOL UCW030AHADACB0S

REMARKS: PROVIDE TWO 15 TON COMPRESSORS IN EACH MODULE.

PUMP SCHEDULE

UNIT NO.	GPM	HD FT H2O	RPM	MOTOR HP	ELECTRICAL DATA	CONNECTIONS		TYPE	MANUFACTURER AND MODEL NO.
						SUCT.	DISCH.		
HWP-1, 2	85	40	3500	1.5	208V-3PH-60HZ	3"	3"	IN LINE	BELL & GOSSETT SERIES e-90 STOCK 2MAC
HWP-3, 4	85	80	3600	5	208V-3PH-60HZ	1-1/2"	1-1/4"	END SUCTION	BELL & GOSSETT SERIES e-1535 125AAC
CWP-1	210	60	-	7.5	208V-3PH	2"	2"	END SUCTION	BELL & GOSSETT SERIES e-1510 2B0
CHWP-3	168	80	1800	7.5	208V-3PH	2"	2"	END SUCTION	BELL & GOSSETT SERIES e-1510 2B0
CHWP/CWP-2	210	60	1750	7.5	208V-3PH-60HZ	2"	2"	END SUCTION	BELL & GOSSETT SERIES e-1510 2B0

REMARKS: 1. HWP-3,4, CWP-1, CHWP/CWP-2 AND CHWP-3 SHALL HAVE AFD.
2. PROVIDE 'SOFT START' STARTERS FOR HWP-1 AND 2 WITH H-D-A.

COOLING TOWER SCHEDULE

UNIT NO.	CAPACITY TONS	GPM	EWT °F		LWT °F		HD (FT)	FAN MOTOR (HP)	VOLTS	PH	HZ	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL NO.
			1	2	1	2							
CT-1	35	105	95	85	78	10.3	10	208	3	60	7970	BALTIMORE AIRCOIL VFL-036-22K	
CT-2	35	105	95	85	78	10.3	10	208	3	60	7970	BALTIMORE AIRCOIL VFL-036-22K	

REMARKS: 1. EACH TOWER PROVIDED WITH 4KV, 208V, THREE PHASE BASIN HEATER.
2. EACH TOWER HAS 1 LB, 208 VOLTS, 3 PHASE SPRAY PUMP.
3. PROVIDE 'VFD' STARTERS FOR COOLING TOWERS.

HVAC UNIT SCHEDULE

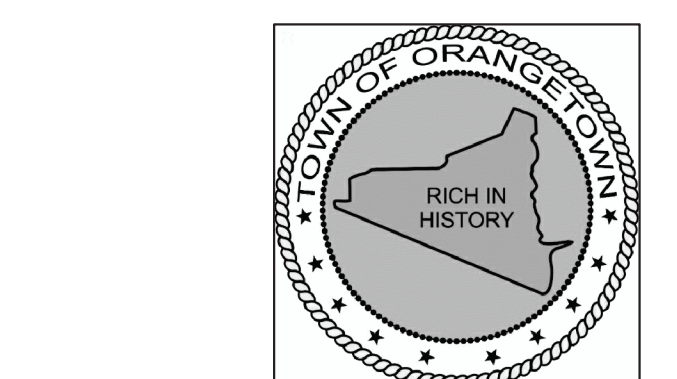
UNIT NO.	LOCATION	CFM	DA CFM	FANS				HEATING COIL				COOLING COIL				MANUFACTURER & MODEL NO.	DIMENSIONS	WEIGHT	REMARKS					
				EXT. SP.	FAN RPM	BHP	SUPPLY FAN HP	RETURN FAN HP	VOL.T	PH	M.C.A.	MAX FUSE	GPM	EWT	MBH HTG					GPM	EWT	EAT (DB/WB)	SENS MBH	TOTAL MBH
HVAC-1	PENTHOUSE	2000	125	1.5	-	-	1.5	-	208	3	-	-	6	180	60	12	45	80/67	50	61	TRANE UCCAG06A	88X47X32H	762	
HVAC-2	PENTHOUSE	8000	1000	1.5	-	-	10	-	208	3	-	-	12	180	120	45	45	80/67	162	224	TRANE UCCAG17K21A	94X79X48"H	1494	
HVAC-3	PENTHOUSE	8000	1100	1.5	-	-	10	-	208	3	-	-	12	180	120	45	45	80/67	90	160	TRANE UCCAG17K21A	94X79X48"H	1494	
HVAC-4	ROOF	8000	900	1.0	-	-	283	282	208	3	-	-	13	180	126	44	45	80/67	160	220	TRANE UCCAK21A	165X79X59H	3145	
HVAC-5	ROOF	1600	300	1.0	-	-	1.5	-	208	3	-	-	5	180	43	10	45	80/67	29	45	TRANE UCCAG06A	115X47X37H	1223	
HVAC-6	ROOF	1600	300	1.0	-	-	1.5	-	208	3	-	-	4	180	38	8	45	80/67	27	42	TRANE UCCAG06A	115X47X37H	1223	
AHU-4X	EXISTING ROOF	2055	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING	-	-	

REMARKS: 1. HVAC-1,2,3,5 AND 6 SHALL BE PROVIDED WITH AFD'S.
2. HVAC-4 AND ASSOCIATED RETURN FANS SHALL BE PROVIDED WITH 'SOFT START' STARTERS.
3. ALL FILTERS SHALL BE MERV 13.
4. NOTE DIMENSIONS FOR ROOFTOP UNITS DO NOT INCLUDE PIPE, CHAMBERS OR AIR HOODS.
5. REBALANCE THE EXISTING UNIT AHU-4X TO THE TOTAL AND DA CFMS SHOWN.

EXHAUST/RELIEF HOOD SCHEDULE

UNIT No.	AREA SERVICED	CFM	DIMENSIONS		MANUFACTURER	MODEL NO.
			OPENING	CAP		
RH-1	HVAC-1 RELIEF	2000	20"ø	36"ø	GREENHECK	GRSR-20
RH-2,3	HVAC-2,3 RELIEF	8000	36"ø	57"ø	GREENHECK	GRSR-36
EH-1	TOILET EXHAUST	700	18.5"ø	29"ø	GREENHECK	GRSR-15
EH-2	TOILET EXHAUST	490	14.5"ø	29"ø	GREENHECK	GRSR-12
EH-3	TOILET EXHAUST	140	10.5"ø	20.5"ø	GREENHECK	GRSR-8

REMARKS:



**ORANGETOWN
TOWN HALL**
ADDITION AND ALTERATIONS
26 ORANGEBURG RD
ORANGEBURG, NEW YORK 10962

SCHEDULES

PROJECT NO.: 2219-05

DRAWING NO.:

M-301

one inch = one foot
 three eighths inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot