

VAV		TERMINAL		UNIT		SCHEDULE		
MARK	MAX CFM	MIN CFM	HEATING CFM	KW	STAGES	VOLTS	PH	DESCRIPTION
1-1	2525	758	1283	18	3	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-2	1640	492	820	10	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-3	1630	489	815	10	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-4	1620	486	810	10	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-5	960	288	480	6	2	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-6	810	243	405	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-7	1330	399	665	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-8	980	294	490	6	2	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
1-9	840	252	420	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-1	725	218	363	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-2	1280	384	640	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-3	2735	821	1368	17	3	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-4	400	120	0	0	-	-	-	COOLING ONLY
2-5	520	156	260	3	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-6	200	60	100	1	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-7	870	261	435	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-8	870	261	435	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-9	1740	522	870	11	3	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-10	920	276	460	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-11	2030	609	1015	13	3	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-12	1020	306	510	6	2	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-13	290	87	145	2	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-14	200	60	100	1	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-15	290	87	145	2	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-16	350	105	175	2	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-17	1800	540	900	11	3	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
2-18	895	269	448	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-1	775	233	388	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-2	880	264	440	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-3	1120	336	560	7	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-4	660	198	330	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-5	1160	348	580	7	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-6	930	279	465	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-7	375	115	0	0	-	-	-	COOLING ONLY
3-8	890	267	445	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-9	1250	375	625	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-10	1450	435	725	9	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-11	1665	500	833	11	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-12	1415	425	708	9	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-13	585	176	293	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-14	690	207	345	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-15	890	267	445	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-16	1250	375	625	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-17	1450	435	725	9	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-18	1555	467	778	10	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-19	1415	425	708	9	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-20	585	176	293	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-21	745	224	373	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-22	890	264	440	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-23	1450	435	725	9	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-24	1315	395	658	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-25	1027	308	514	7	2	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-26	930	279	465	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
3-27	660	198	330	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT

VAV		TERMINAL		UNIT		SCHEDULE		
MARK	MAX CFM	MIN CFM	HEATING CFM	KW	STAGES	VOLTS	PH	DESCRIPTION
4-1	660	198	330	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-2	485	146	243	3	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-3	700	210	350	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-4	1260	378	630	8	2	480	3	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-5	725	218	363	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-6	545	164	273	3	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-7	760	228	380	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-8	750	225	375	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-9	875	256	438	6	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-10	1070	321	535	7	2	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-11	380	115	0	0	-	-	-	COOLING ONLY
4-12	600	180	300	4	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-13	840	252	420	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT
4-14	750	225	375	5	1	277	1	PRESSURE INDEPENDANT COOLING VAV BOX WITH ELECTRICAL HEAT

WATER COOLED CHILLER		SCHEDULE				
MARK	MIN TONS	LGV. WATER TEMP. °F	MIN CH. WATER ΔT	ELEC. DATA	PH	DESCRIPTION
*CH-1,2,3	300	42	10	480	3	WATER COOLER CENTRIFUGAL CHILLER WITH VFD

\* CHILLER CH-3 SHALL BE PROVIDED UNDER ADD ALTERNATE 1A

CONDENSING UNIT		SCHEDULE				
MARK	NOMINAL COOLING BTU/H	SENSIBLE COOLING BTU/H	VOLTS	PH	EER	DESCRIPTION
CU-1	148,344	122,570	480	3	12	AIR COOLED CONDENSING UNIT WITH DUAL CIRCUITS AND HOT GAS BYPASS. REFRIGERANT TO MEET SPECIFICATIONS.
CU-2	209,686	17,698	480	3	12	AIR COOLED CONDENSING UNIT WITH DUAL CIRCUITS AND HOT GAS BYPASS. REFRIGERANT TO MEET SPECIFICATIONS.

COOLING TOWER		SCHEDULE				
MARK	TONS	AMB. AIR °F DB WB	WTR. TEMP °F ENT. LGV.	ELEC. DATA	PH	DESCRIPTION
*CT1,2,3	300	95 80	95 85	480	3	INDUCED DRAFT, GEAR DRIVE, 3 CELL, STAINLESS STEEL COOLING TOWER WITH PAN HEATERS.

\* COOLING TOWER CH-3 SHALL BE PROVIDED UNDER ADD ALTERNATE 1A

PUMP		SCHEDULE							
MARK	SERVICE	LOCATION	GPM	FT. HEAD H <sub>2</sub> O	ELECTRICAL DATA	PH	RPM	DESCRIPTION	
PM-1,2	CHILLED WATER	141 ST. BLDG.	775	80	25	460	3	1800	BASE MOUNTED END SUCTION CENTRIFUGAL PUMP. MIN EFFICIENCY 80%
PM-3	DOMESTIC WATER BOOSTER	141 ST. BLDG.	170	127	5	460	3	3600	DUPLEX SMID MOUNTED BOOSTER PUMP WITH 135 GAL. VOLUME TANK
PM-4	DOMESTIC HOT WATER RECIRC.	MECH. 427	3	10	75*	120	1	-	IN LINE CIRCULATING PUMP ALL BRONZE WITH AGUSTAT AND TIMER
PM-5,6	SECONDARY CHILLED WATER	CENTRAL PLANT	1290	100	60	460	3	1800	BASE MOUNTED END SUCTION CENTRIFUGAL PUMP. MIN EFFICIENCY 80%
*PM-7,8,10	PRIMARY CHILLED WATER	CENTRAL PLANT	720	40	10	460	3	1200	BASE MOUNTED END SUCTION CENTRIFUGAL PUMP. MIN EFFICIENCY 80%
**PM-11,12,13,14	CONDENSER WATER	CENTRAL PLANT	900	50	25	460	3	1800	BASE MOUNTED END SUCTION CENTRIFUGAL PUMP. MIN EFFICIENCY 80%

\* WATTS

\*\* PUMP PM-10 AND PM-14 SHALL BE PROVIDED UNDER ADD ALTERNATE 1A

EXHAUST FAN		SCHEDULE				
MARK	CFM	LOCATION	SERVICE	ELECTRICAL DATA	PHASE	DESCRIPTION
EF-1	500	141 ST. MECH.	VAULT	120	1	IN LINE DIRECT DRIVE EXHAUST FAN
EF-2,3,4,5	27,100	141 ST. ATTIC	SMOKE CONTROL	460	3	IN LINE DIRECT DRIVE EXHAUST FAN WITH HT # 1000°F TEMPERATURE OPERATION
EF-6,7,8,9	1,115	CENTRAL PLANT CHILLER ROOM	VENTILATION	120	1	SIDE WALL DIRECT DRIVE EXHAUST FAN WITH BACK DRAFT DAMPER AND WEATHER HOOD
EF-10	100	CENTRAL PLANT SHOP	VENTILATION	120	1	SIDE WALL DIRECT DRIVE EXHAUST FAN WITH BACK DRAFT DAMPER AND WEATHER HOOD 27V TO 120 V. PROVIDE TRANSFORMER.

ELECTRIC UNIT HEATER		SCHEDULE						
MARK	LOCATION	CFM	MIN. AIR THROW (FT.)	KW	FAN H.P.	VOLTS	PH	DESCRIPTION
EUH-1,2	141 ST. MECH. ROOM 213	3.3	12	300	-	277	1	HORIZONTAL FAN POWERED ELECTRIC UNIT HEATER WITH BUILT-IN THERMOSTAT
EUH-3,4,5,6	CENTRAL PLANT	700	20	5.6	-	277	1	HORIZONTAL FAN POWERED ELECTRIC UNIT HEATER WITH BUILT-IN THERMOSTAT

AIR HANDLING UNIT		SCHEDULE											
MARK	LOCATION	CFM	MIN. O/A CFM	COOLING DATA	HEATING DATA	ELECT. DATA	PH	DESCRIPTION					
AHU-1-1	MECH 213	3744	618	114190	101678	44	12	32	480	3	DOUBLE WALL CONSTANT VOLUME AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, WITH ELECTRIC HEAT, STAINLESS STEEL DRAIN PAN, AND VERTICAL DISCHARGE		
AHU-1-2	MECH 213	7574	1798	254969	187019	44	12	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE	
AHU-1-3	MECH 213	4600	1628	137738	11854	44	12	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE	
AHU-1-4	STORAGE 127	1450	153	38642	38387	44	12	12	480	2	480	3	DOUBLE WALL CONSTANT VOLUME AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, HORIZONTAL DISCHARGE AND ELECTRIC HEAT
AHU-1-5	MECH 213	12600	5131	59400	26370	44	12	120	480	SCR	480	3	DOUBLE WALL CONSTANT VOLUME AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, WITH ELECTRIC HEAT, STAINLESS STEEL DRAIN PAN, HORIZONTAL DISCHARGE AND ELECTRIC HEAT
AHU-2-1	MECH 213	500	500	9928	9928	44	12	6	480	1	480	3	DOUBLE WALL CONSTANT VOLUME AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, WITH ELECTRIC HEAT, STAINLESS STEEL DRAIN PAN, AND VERTICAL DISCHARGE
AHU-2-2	MECH 213	3547	1276	136194	92888	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-2-3	MECH 213	5520	578	154205	144283	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-2-4	MECH 213	8400	2198	29049	209109	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-3-1	MECH 213	15572	395	150416	140573	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-3-2	MECH 213	10300	397	333321	261161	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-3-3	MECH 213	10958	398	321922	272415	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-3-4	MECH 213	5156	397	158908	148535	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE
AHU-4-1	MECH 213	4333	395	148344	122570	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE WITH REDUNDANT DX COIL, SIZED EQUAL TO CAPACITY OF CHILLED WATER COIL
AHU-4-2	MECH 213	6480	448	209686	176948	44	12	-	-	-	480	3	DOUBLE WALL AIR HANDLING UNIT WITH CHILLED WATER COIL, MIXING BOX, STAINLESS STEEL DRAIN PAN, FOR VAV USE AND VERTICAL DISCHARGE WITH REDUNDANT DX COIL, SIZED EQUAL TO CAPACITY OF CHILLED WATER COIL

A/C UNIT		SCHEDULE								
MARK	LOCATION	NOMINAL COOLING BTU/H	SENSIBLE CAP. BTU/H	OUTSIDE AIR CFM	EXT. S.P. IN W.C.	EVAP. AND COND.	ELECTRIC HEAT	DESCRIPTION		
AC-1	DIV. BUILDING	83,000	61,000	515	2.0	2,475	XXX	XXX	25	HORIZONTAL DISCHARGE DX SPLIT SYSTEM WITH AIR COOLED CONDENSING UNIT AND ELECTRIC HEAT.

HEAT RECOVERY UNIT		SCHEDULE											
MARK	CFM	OUTSIDE AIR	RECOVERY	HEATING TOTAL (BTU/H)	DESCRIPTION								
HRU-1	16000	1.5	460	3	12850	1.0	460	3	95	80	78	68	ENERGY RECOVERY UNIT WITH OUTSIDE AIR AND EXHAUST AIR DIRECT DRIVE FLOW FAN, CAPACITY CONTROL, ENTHALPY WHEEL, 80% EFFICIENCY AND SINGLE POINT POWER CONNECTION.

FAN COIL UNIT		SCHEDULE	
MARK	CFM	EXT. S.P.	