

AIR CONDITIONING UNIT SCHEDULE																				
FAN COIL UNIT								CONDENSING UNIT												
TAG	C.F.M.	O.A. C.F.M.	EXT. S.P.	FAN H.P.	ELEC. HEAT	BASIS OF DESIGN	WEIGHT LBS.	TAG	COOLING			HEATING			BASIS OF DESIGN	S.E.E.R	WEIGHT LBS.	NOTES		
									E.A.T.	TOT MBH	SEN MBH	EAT	MBH	AUX. ELEC.						
AC-1	450	-	-	-	-	CARRIER	40QNB024	24	CU-1	80/62	16	142	-	-	-	CARRIER	38HDL08	10.0	130	①
AC-2	330	-	-	-	-	CARRIER	40QNB024	24	CU-2	80/62	16	142	-	-	-	CARRIER	38HDL08	10.0	130	① ②
AC-3	450	-	-	-	-	CARRIER	40QNB024	24	CU-3	80/62	16	142	-	-	-	CARRIER	38HDL08	10.0	130	①
AC-4	450	-	-	-	-	CARRIER	40QNB024	24	CU-4	80/62	16	142	-	-	-	CARRIER	38HDL08	10.0	130	①

- ① INSTALL AC-1 APPROX. 6' AFF.
② CONDENSATE PUMP.

MISCELLANEOUS	
TAG	DESCRIPTION
EW-1	ELECTRIC WALL HEATER 22 KW * 200V/1P W/SURFACE MOUNT FRAME, EQUAL TO MARKEL F3422
RP-1 THRU RP-1	RADIANT CEILING PANEL, 24X48 LAY-IN CEILING, 500W * 277V, MARKEL CP105, 24V REMOTE WALL THERMOSTAT
EW-1	ELECTRIC UNIT HEATER, 15KW * 480V/3P MARKEL P3P5071 CAL. INTEGRAL THERMOSTAT MOUNTING BRACKET

LOUVERS						
TAG	SIZE	CFM	MIN. NET FREE AREA	MAX. Δ P IN. W.G.	BASIS OF DESIGN	NOTES
L-1	18/12	250	40	10	RUSKIN ELF3TBD	
L-2	36/18	1745	17	15	RUSKIN ELF3TBD	
L-3	36/18	1745	17	15	RUSKIN ELF3TBD	
L-4	24/24	900	163	25	RUSKIN ELF3TBD	
L-5	18/12	300	40	10	RUSKIN ELF3TBD	

HVAC NOTES

- Coordinate exact thermostat locations with the Tenant and Interior Finish. Regardless of interior finish, the thermostat shall not be located such that it is in the direct air stream from ceiling diffusers. The thermostats shall be installed 66" above finished floor.
- All RTU's 2000 cfm and above shall be furnished with a smoke detector located in the supply prior to first takeoff. Upon detection of smoke the detector shall shut down this unit, and send a signal to the fire alarm panel. Detectors and alarms shall be in accordance with NFPA 72E and 90A. Mechanical contractor shall install detectors. Electrical Contractor shall furnish the detectors and perform all wiring.
- Duct sizes shown are clear inside dimensions. Provide flexible connections where ducts connect to rooftop units and exhaust fans.
- Provide a damp seal trap at condensate connection for RTU's. Pipe shall be full size of unit connections and shall be schedule 40 PVC. Pipe condensate to roof drains.
- 6ph in fittings for exhaust duct shall have damper only.
- Coordinate exact diffuser layout with the reflected ceiling plan prior to start of work.
- Coordinate all electrical requirements for HVAC with the Electrical Contractor prior to ordering the equipment. Voltages and phase shall be as indicated on the electrical drawings.
- Coordinate all roof and wall penetrations with the Architect and the Structural Engineer prior to setting curbs.

AIR DISTRIBUTION SCHEDULE						
TAG	TYPE	FACE SIZE	FINISH	O.B.D.	BASIS OF DESIGN	NOTES
A	SUPPLY	24/24	WHITE	-	TITUS TMS	
B	RETURN	24/24	WHITE	-	TITUS CORE 50	①
C	RETURN	24/24	WHITE	-	TITUS CORE 50	①
D	SUPPLY	12/12	WHITE	-	TITUS TMS	②
E	EXHAUST	NK AS SHOWN	WHITE	YES	TITUS CORE 50	② ③
F	SUPPLY	24/24	WHITE	-	TITUS TMS	③
G	SUPPLY	-	-	-	SEE 3-M-501	
H	SUPPLY	12/4 1/4	WHITE	-	TITUS ML-35	③ ⑤ ⑥
I	SUPPLY	12/4 NK	ALUMINUM	-	TITUS CT - 481	③
J	SUPPLY	NK AS SHOWN	WHITE	YES	TITUS 271 F8	
K	RETURN/EXHAUST	NK AS SHOWN	WHITE	YES	TITUS 3F8	
L	SUPPLY	NK AS SHOWN	WHITE	YES	TITUS TMRA	④
M	RETURN	NK AS SHOWN	WHITE	YES	TITUS -	
N	SUPPLY	36/4 NK	ALUMINUM	-	TITUS CT - 481	③
O	SUPPLY	12/6 NK	ALUMINUM	-	TITUS CT - 481	③
P	TRANSFER	12/12	WHITE	-	TITUS CORE 50	④
Q	SUPPLY	22/22 NK	ALUMINUM	-	TITUS CORE 50K	③
R	SUPPLY	5/5 NK	WHITE	-	TITUS TDC	③

- ① CORE ONLY * FLENUM RETURN, LINED FLENUM WITH ROUND COLLAR WHERE DUCTED
② SURFACE FRAME
③ LINED FLENUM WITH ROUND COLLAR(S)
④ TYPE 3, ROTATE CENTER CONE FOR DISCHARGE PATTERN
⑤ 2 SLOTS * 1", VERTICAL THRU
⑥ PLASTER FRAME, TYPE 1B, VD * FLENUM COLLAR(S)

FAN CONTROL	
TAG	NOTES
EF-1	INDEPENDENT MANUAL WALL SWITCH
EF-2	INTERLOCK RTU-8 4 9 OCCUPIED
EF-3	INTERLOCK RTU-23 4 9 OCCUPIED
EF-4	INTERLOCK RTU-4 OCCUPIED
EF-5	INTERLOCK RTU-18B OCCUPIED
EF-6	INTERLOCK RTU-18A OCCUPIED
EF-7, 14	24V COOLING THERMOSTAT
EF-8	INTERLOCK RTU-2 OCCUPIED
EF-9	INTERLOCK RTU-20 OCCUPIED
EF-10	INTERLOCK RTU-1A OCCUPIED
EF-11	INTERLOCK RTU-1B OCCUPIED
EF-12	INTERLOCK RTU-18A OCCUPIED
EF-13	INTERLOCK RTU-18B OCCUPIED

NOTE: ALL FANS MAY ALSO START/STOP THRU EMS

ROOFTOP UNIT SCHEDULE																
TAG	ARRGT	SUPPLY C.F.M.	O.A. CFM	EXT. S.P.	MIN HP	COOLING			GAS		BASIS OF DESIGN	E.E.R.	WEIGHT LBS	NOM. TONS	AREA SERVED	NOTES
						E.A.T.	TOT MBH	SEN MBH	INPUT	OUTPUT						
RTU-1A	DOWN	19300	3400	10	25	115/653	663.4	451.4	T16	636	CARRIER 48EJD064	85	8600	60	SANCTUARY WEST	①④
RTU-1B	DOWN	19300	3400	10	25	115/653	663.4	451.4	T16	636	CARRIER 48EJD064	85	8600	60	SANCTUARY EAST	①④
RTU-2	DOWN	22100	10000	15	25	136/623	510.3	412	T16	636	CARRIER 48EJD058	85	8300	55	STAGE	①④
RTU-3	DOWN	3200	470	6"	13	78/65	108.2	76.6	180.0	144.0	CARRIER 48TFD012	9.0	1100	10	NURSERY WEST	①⑥
RTU-4	DOWN	3200	610	6"	13	78/65	108.2	76.6	180.0	144.0	CARRIER 48TFD012	9.0	1100	10	NURSERY EAST	①⑥
RTU-5	DOWN	800	80	3"	1/4	78/64	23.5	16.6	40.0	32.0	CARRIER 48G6014040	SEER 10.0	280	2.0	CALVIN OFFICE	④
RTU-6	DOWN	1400	180	6"	1	76/65	46.3	30.4	15.0	32.0	CARRIER 48TFE005	SEER 10.0	505	4	MEDIA SUPPORT	④
RTU-7	DOWN	1400	250	3"	1/2	78/65	46.4	30.8	15.0	32.0	CARRIER 48TFE005	SEER 10.0	500	4	ADMIN	④
RTU-8	DOWN	1400	100	3"	2/3	75/63	45.0	30.7	12.0	32.0	CARRIER 48TFD005	SEER 10.0	470	4	PASTOR	⑥
RTU-9	DOWN	1500	150	3"	2/3	76/64	46.3	31.8	12.0	32.0	CARRIER 48TFD005	SEER 10.0	500	4	BISHOP	⑥
RTU-10	DOWN	1500	200	6"	2/3	71/64	52.7	36.3	12.0	32.0	CARRIER 48TFD006	SEER 10.0	600	5	RETAIL SHOP	⑥
RTU-11	DOWN	1400	250	6"	1.8	76/64	13.3	93.6	12.0	32.0	CARRIER 48TFD001	9.0	565	6	COFFEE SHOP	⑥
RTU-12	-	-	-	-	-	-	-	-	-	-	-	-	100 (MAX)	-	FUTURE TV STUDIO	③
RTU-13	-	-	-	-	-	-	-	-	-	-	-	-	100 (MAX)	-	FUTURE TV STUDIO	③
RTU-14A	DOWN	8400	2650	75"	10	80/611	324.5	202.1	35.0	281	CARRIER 48EJD030	8.1	5000	215	BALCONY WEST	④
RTU-14B	DOWN	8400	2650	75"	10	80/611	324.5	202.1	35.0	281	CARRIER 48EJD030	8.1	5000	215	BALCONY EAST	④
RTU-15	DOWN	10000	430	6"	1.8	80/61	72.5	47.8	12.0	32.0	CARRIER 48TFD001	9.0	700	6	MEETING 2001	⑥
RTU-16	DOWN	10000	430	6"	1.8	80/61	72.5	47.8	12.0	32.0	CARRIER 48TFD001	9.0	700	6	MEETING 2003	⑥
RTU-17	-	-	-	-	-	-	-	-	-	-	-	-	100 (MAX)	-	FUTURE ADMIN 2002	③
RTU-18A	DOWN	5500	1000	1"	3.0	78/65	174.9	122.0	230.0	186.3	CARRIER 48EJD016	8.6	1800	125	COMMON 2ND FL WEST	④
RTU-18B	DOWN	5500	1000	1"	3.0	78/65	174.9	122.0	230.0	186.3	CARRIER 48EJD016	8.6	1800	125	COMMON 2ND FL EAST	④
RTU-19A	DOWN	5400	1400	6"	3.0	83/61	193.2	140.5	270.0	222.8	CARRIER 48EJD010	8.1	2000	180	COMMON 1ST FL WEST	④
RTU-19B	DOWN	5400	1400	6"	3.0	83/61	193.2	140.5	270.0	222.8	CARRIER 48EJD010	8.1	2000	180	COMMON 1ST FL EAST	④
RTU-20	DOWN	1200	50	3"	1/8	76/65	26.2	16.6	60.0	46.0	CARRIER 48G6014060	SEER 10.0	300	2.0	DRESSING	①
RTU-21	DOWN	2000	-	4"	-	78/62	52.3	47.8	-	-	CARRIER 50TFE006	SEER 10.0	600	5.0	AUDIO	②④
RTU-22	DOWN	2000	-	4"	-	78/62	52.3	47.8	-	-	CARRIER 50TFE006	SEER 10.0	600	5.0	DINING	②④
RTU-23	DOWN	1350	100	1"	-	141/633	33.3	21.8	12	59	CARRIER 48TFE005	SEER 10.0	500	3.0	RECORD STUDIO OFFICES	④
RTU-24	DOWN	1050	200	1"	-	78/66	34.6	21.9	12	59	CARRIER 48TFE005	SEER 10.0	500	3.0	RECORD STUDIO	④
RTU-25	-	-	-	-	-	-	-	-	-	-	-	-	100 (MAX)	-	FUTURE ADMIN 2002	③
RTU-26	-	-	-	-	-	-	-	-	-	-	-	-	100 (MAX)	-	FUTURE ADMIN 2002	③
RTU-27	DOWN	1250	100	20	1.8	73.8/62.8	33.5	22.5	⑤	-	CARRIER 50TFE004	SEER 10.0	500	3.0	RECORDING STUDIO CONTROL ROOMS	①②④

- ① ENTHALPY ECONOMIZER WITH POWERED EXHAUST.
② LOW AMBIENT HEAD PRESSURE CONTROL.
③ CURB ONLY - CARRIER ORRFGURE001000
④ SPRING VIBRATION ISOLATING CURBS, 3" STATIC DEFLECTION.
⑤ 8.8 KW ELEC. HEAT, SINGLE POINT ELEC. CONNECTION.
⑥ FACTORY CURBS
⑦ DN DISCHARGE CURBS * FLENUM

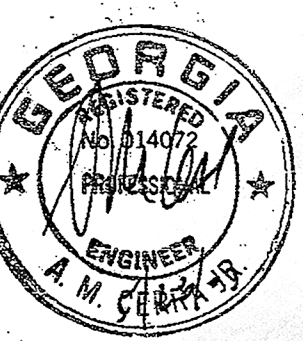
FAN SCHEDULE									
TAG	CFM	S.P.	DRIVE	HP	MAX RPM	TYPE	BASIS OF DESIGN	SERVES	NOTES
EF-1	200	1/25	DIRECT	1/80	1300	CEILING MOUNTED	GREENHECK 10-G	CALVIN TOILET	④
EF-2	310	1/25	DIRECT	1/30	1300	ROOF CENT.	GREENHECK 8B-G	BISHOP OFFICES	①
EF-3	250	25	DIRECT	1/30	1300	IN LINE	GREENHECK 80B5	T 102/101	③ ⑤
EF-4	440	25	DIRECT	1/25	1300	ROOF CENT.	GREENHECK 90-G	LAV 102/103 LAV 103/103	①
EF-5	1145	375	BELT	1/2	1725	IN LINE	GREENHECK B5G 120	LAV 101/104 LAV 101/104	②
EF-6	1145	375	BELT	1/2	1725	IN LINE	GREENHECK B5G 120	LAV 101/104 LAV 101/104	②
EF-7	900	25	DIRECT	1/6	1160	WALL PROP.	GREENHECK 81-14-440B6	ELEC. 0065	③
EF-8	1000	1/25	BELT	1/4	938	ROOF CENT.	GREENHECK GB120	STAGE	①
EF-9	340	1/25	DIRECT	1/30	1300	ROOF CENT.	GREENHECK 80-G	LAV 202/201	①
EF-10	3000	1/25	BELT	1/2	1100	ROOF CENT.	GREENHECK GB160	SANCTUARY	①
EF-11	3000	1/25	BELT	1/2	1100	ROOF CENT.	GREENHECK GB160	SANCTUARY	①
EF-12	470	1/25	DIRECT	1/25	1300	ROOF CENT.	GREENHECK 90-G	MEN 2005	①
EF-13	570	1/25	DIRECT	1/30	1300	ROOF CENT.	GREENHECK 95-D	WOMEN 2001	①
EF-14	300	25	DIRECT	1/30	1300	IN LINE	GREENHECK 80 85	ELEC 1024	③ ⑤

- ① FACTORY ROOF CURBS * BACKDRAFT DAMPER
② BACKDRAFT DAMPER
③ GRAVITY SHUTTER MOTOR SIDE GUARD
④ WALL CAP * BACKDRAFT DAMPER
⑤ SOLID STATE SPEED CONTROL * FAN ABOVE CEILING

revisions

for construction
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