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OUTDOOR AIR COOLED CONDENSING UNIT SCHEDULE														(DAIKIN AS STANDARD)	
TAG NO.	LOCATION	AREA SERVED	UNIT SERVED	COOLING (TMBH)	HEATING (TMBH)	AMBIENT TEMP (°F)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	IEER	EER	MODEL & MANUFACTURER	DIMENSIONS (W x H x D) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS
ACC-R-1	ROOF	NEW SGI & CLASSROOMS	AC-1-1 THRU 3-3	144	111	95	208 - 3 - 60	58.3	70	24.8	12.3	REYQ144TATJU DAIKIN	48.9 x 66.7 x 30.2	703	SEE NOTE(S) BELOW
ACC-G-1	GRADE	ROOM 008	AC-L-1	18	20	95	208 - 1 - 60	16.5	25	18.6	13	RZQ18TAVJU DAIKIN	37 x 39 x 12-5/8	175	SEE NOTE(S) BELOW
NOTES: PROVIDE WITH LOW AMBIENT CONTROL TO 0°F, INTERLOCK WITH RESPECTIVE AC UNITS. ELECTRICAL SUBCONTRACTOR SHALL FURNISH & INSTALL NEMA 3R DISCONNECT SWITCH & GFI CONVENIENCE OUTLET FOR EACH UNIT. REFER TO ELECTRICAL DRAWINGS															

INDOOR DUCTLESS AIR-CONDITIONING / HEAT PUMP UNIT SCHEDULE												(DAIKIN AS STANDARD)	
TAG NO.	LOCATION	COOLING (TMBH)	HEATING (TMBH)	ENT. TEMP DB / WB(°F)	SUCTION TEMP (°F)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	MODEL & MANUFACTURER	DIMENSIONS (W x H x D) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS	
AC-L-1	RM 008	18	20	79 / 66	42.8	208 - 1 - 60	0.6	15	FCQ18TAVJU DAIKIN	33.1 x 10 x 33.1	63	SEE NOTE(S) BELOW	
AC-1-1	NURSE 101	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-1-2	SGI 130	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-1-3	CLASSROOM 132	34.1	41.5	79 / 66	42.8	208 - 1 - 60	1.5	15	FXFQ36TVJU DAIKIN	33.1 x 11.3 x 33.1	57.3	SEE NOTE(S) BELOW	
AC-1-4	OFFICE 106	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-2-1	SGI 214	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-2-2	SGI 215	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-2-3	CLASSROOM 252	22.7	28.0	79 / 66	42.8	208 - 1 - 60	0.7	15	FXFQ24TVJU DAIKIN	33.1 x 9.7 x 33.1	50.7	SEE NOTE(S) BELOW	
AC-3-1	SGI 314	9	11.1	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ09PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-3-2	SGI 315	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW	
AC-3-3	CLASSROOM 352	28.4	35.3	79 / 66	42.8	208 - 1 - 60	1.5	15	FXFQ30TVJU DAIKIN	33.1 x 11.3 x 33.1	57.3	SEE NOTE(S) BELOW	
NOTES: PROVIDE "DAIKIN" REMOTE CONTROLLER, WALL MOUNTING BRACKET, PROPER REFRIGERANT CHARGE. INTERLOCK WITH RESPECTIVE CONDENSING UNIT. PROVIDE WITH MINI "DAIKIN" CONDENSATE PUMP (MODEL # DACA-CP1-1. PROVIDE WITH CONDENSATE DRAIN WATER-LEVEL DETECTOR SWITCH TO PREVENT ANY DAMAGE TO ANY BUILDING COMPONENT AS A RESULT OF OVERFLOW FROM THE EQUIPMENT PRIMARY DRAIN.													

HEAT RECOVERY UNIT VENTILATOR SCHEDULE										(DAIKIN AS STANDARD)	
TAG NO.	QTY	AREA SERVED	SUPPLY AIR (CFM)	EXHAUST AIR (CFM)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	MODEL & MANUFACTURER	DIMENSIONS (L x W x H) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS
HRU-1-1	1	1ST FLOOR SGI & CLASSROOMS	845	800	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
HRU-2-1	1	2ND FLOOR SGI & CLASSROOMS	775	775	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
HRU-3-1	1	3RD FLOOR SGI & CLASSROOMS	775	775	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
NOTES: 1. PROVIDE FUSED DISCONNECT SWITCH. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE. 3. BAROMETRIC OUTDOOR AIR DAMPER 4. UNIT TO BE TIED INTO EXISTING BMS SYSTEM											

HOT WATER CABINET HEATER SCHEDULE														(TRANE AS STANDARD)	
TAG NO.	AREA SERVED	CFM	HOT WATER HEATING				HP	ELECTRICAL DATA V - PH - HZ	FLA	MOP	MODEL & MANUFACTURER		DIMENSIONS (L x W x H) (IN)	APPROX. UNIT WEIGHT (LBS)	REMARKS
			MBH	EWI (°F)	LWT (°F)	GPM									
CH-L-1	ELEV. LOBBY 052	540	16.0	180	160	1.6	0.22	208 - 1 - 60	3.1	15	FFBB-040	TRANE	38 x 10 x 25	125	SEE NOTE(S) BELOW
CH-1-1	ELEV. LOBBY 131	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-1	ELEV. LOBBY 251	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-2	CORRIDOR E	220	6.8	180	160	0.7	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-3	CORRIDOR E	220	6.8	180	160	0.7	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-1	ELEV. LOBBY 351	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-2	CORRIDOR H	220	8.4	180	160	0.8	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-3	CORRIDOR H	220	8.4	180	160	0.8	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
NOTES: 1. PROVIDE W/ HW HEATING COIL, FACTORY INSTALLED DELUXE PIPING PACKAGE OPTION #F W/ 3-WAY MODULATING CONTROL VALVE FOR EACH UNIT. 2. PROVIDE W/ ECM MOTOR, FRONT BAR GRILLE INLET & TOP BAR GRILLE OUTLET, FILTERS, KEYLOCK PANEL & ACCESS DOOR, & DISCONNECT SWITCH FOR EACH UNIT. 3. CH-1-1, CH-2-1 & CH-3-1 SHALL BE PROVIDED W/ 4-IN. FALSE BACK 4. UNIT COLOR TO BE SELECTED BY OWNER, PROVIDE COLOR CHART. 5. EACH UNIT TO BE TIED INTO EXISTING BMW SYSTEM.															

HOT WATER UNIT HEATER SCHEDULE												(REZNOR AS STANDARD)
TAG NO.	LOCATION	CFM	HP	HOT WATER HEATING					ELECTRICAL DATA V - PH - HZ	MODEL & MANUFACTURER		REMARKS
				MBH	EW'T (°F)	LWT (°F)	GPM	WPD				
UH-L-1	RECEIVING/ STORAGE 053	270	0.04	18	180	160	1.8	0.06	115 - 1 - 60	WS-18/24	REZNOR	PROVIDE W/ 4-WAY DIFFUSER, OSHA FAN GUARD, DISCONNECT SWITCH, TRANSFORMER, & HEAVY DUTY THERMOSTAT.
UH-L-1	OUTDOOR STOR. 054	330	0.05	23	180	160	2.3	0.01	115 - 1 - 60	WS-23/33	REZNOR	PROVIDE W/ 4-WAY DIFFUSER, OSHA FAN GUARD, DISCONNECT SWITCH, TRANSFORMER, & HEAVY DUTY THERMOSTAT.

EXHAUST FAN SCHEDULE													(GREENHECK AS STANDARD)
TAG NO.	AREA SERVED	CFM	SP (IN)	BHP	MHP	RPM	ELECTRICAL DATA V - PH - HZ	MODEL & MANUFACTURER	DIMENSIONS (L x W x H) (IN)	APPROX. WT. (LBS)	SONES	REMARKS	
EF-L-1	OT / PT 006 & ROOM 008	180	0.25	0.03	22 WATTS	794	120 - 1 - 60	CSP-A390-VG GREENHECK	12 x 14 x 11	24	0.5	W/ CEILING HUNG SUPPORTS & VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-27TVAC TO 24 VDC & BACK DRAFT DAMPER, INTERLOCK W/ EXISTING BC-12. FAN TO BE TIED INTO EXISTING BUILDING MANAGEMENT SYSTEM (BMS).	
EF-R-1	ELEVATOR SHAFT	300	0.25	0.03	0.07	1,632	120 - 1 - 60	G-070-VG GREENHECK	19"Ø x 24	17	5.4	W/ 18" HIGH ALUMINUM ROOF CURB, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-27TVAC TO 24 VDC & BACK DRAFT DAMPER, PROVIDE THERMOSTAT IN ELEVATOR SHAFT AND SET FOR 80°F ADJUSTABLE. FAN TO BE TIED INTO EXISTING BUILDING MANAGEMENT SYSTEM (BMS).	

HOT WATER FINNED TUBE RADIATION SCHEDULE												(STERLING AS STANDARD)
TAG NO.	LOCATION	TUBE SIZE	FIN PER FT.	ACTIVE ELEMENT LENGTH	BTU/HR-FT	HOT WATER HEATING				MODEL & MANUFACTURER		REMARKS
						MBH	EWI (°F)	LWT (°F)	GPM			
FTR-1-1	CLASSROOM 132	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-1-2	CLASSROOM 132	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-2-1	CLASSROOM 252	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-2-2	CLASSROOM 252	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-3-1	CLASSROOM 352	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-3-2	CLASSROOM 352	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
NOTES: 1. THE LENGTH INDICATED IN ABOVE SCHEDULE IS ACTIVE FINNED TUBE LENGTH. 2. PROVIDE AIR VENT, WATER BRACKETS & TAMPER RESISTANT DAMPERS. 3. PROVIDE CONTROL VALVE AND INTERLOCK WITH RESPECTIVE AC UNIT.												

VENTILATION INDEX																
UNIT SERVED	ROOM NAME & NUMBER	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQ. FT.)	REQ'D O.A. PER SQ. FT.	REQ'D O.A. FOR SPACE	OCCUPANCY DENSITY PER 1,000 FT²	OCCUPANCY BASED ON DENSITY	VENTILATION OCCUPANCY	REQ'D O.A. PER PERSON	REQ'D O.A. FOR OCCUPANCY	TOTAL REQ'D O.A. (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQ'D (CFM)	ACTUAL O.A. (CFM)	EXHAUST AIR E.A. (CFM)	REMARKS
LOWER LEVEL																
(E) BC-12	OT / PT 006	CLASSROOMS (AGE 9 PLUS)	247	0.12	30	35	9	4	10	40	70	0.8	87	90		SEE NOTE #1.
(E) BC-12	ROOM 008	CLASSROOMS (AGE 9 PLUS)	239	0.12	29	35	8	4	10	40	69	0.8	86	90		SEE NOTE #1.
	ELEV. LOBBY 052 & CORRIDOR A & B	CORRIDORS	917	0.06	55	-	-	-	-	-	55	1.0	55	-		SEE NOTE #2.
FIRST FLOOR																
HRU-1-1	EXIST. EXAM ROOM	-	88	0.18	16	20	2	2	10	20	36	0.8	45	45		
HRU-1-1	EXIST. NURSE 101	-	280	0.18	50	20	6	6	10	60	110	0.8	138	140		
HRU-1-1	EXIST. OFFICE 106	OFFICE SPACES	261	0.06	16	5	1	2	5	10	26	0.8	32	35		
EXIST. UVs	EXIST. BRIDGE & CORRIDORS	CORRIDORS	3,425	0.06	206	-	-	-	-	-	206	0.8	257	400		SEE NOTE #3.
HRU-1-1	SGI 130	CLASSROOMS (AGE 9 PLUS)	147	0.12	18	35	5	5	10	50	68	0.8	85	85		
	ELEV. LOBBY 131	CORRIDORS	140	0.06	8	-	-	-	-	-	8	1.0	8	-		SEE NOTE #4.
HRU-1-1	CLASSROOM 132	CLASSROOMS (AGE 9 PLUS)	925	0.12	111	35	32	32	10	320	431	0.8	539	540		SEE NOTE #5.
SECOND FLOOR																
HRU-2-1	SGI 214	CLASSROOMS (AGE 9 PLUS)	248	0.12	30	35	9	9	10	90	120	0.8	150	150		
HRU-2-1	SGI 215	CLASSROOMS (AGE 9 PLUS)	171	0.12	21	35	6	6	10	60	81	0.8	101	110		
HRU-2-1	STOR. 250	STORAGE ROOMS	76	0.12	9	-	-	-	-	-	9	0.8	11	20		SEE NOTE #6.
	ELEV. LOBBY 251	CORRIDORS	111	0.06	7	-	-	-	-	-	7	1.0	7	-		SEE NOTE #4.
HRU-2-1	CLASSROOM 252	CLASSROOMS (AGE 9 PLUS)	625	0.12	75	35	22	25	10	250	325	0.8	406	410		SEE NOTES #1 & #5.
EXIST. UV & HRU-2-1	EXIST. CORRIDORS & CORRIDOR D	CORRIDORS	1,075	0.06	65	-	-	-	-	-	65	0.8	81	115		SEE NOTES #3 & #7.
HRU-2-1	CORRIDOR E	CORRIDORS	527	0.06	32	-	-	-	-	-	32	0.8	40	70		
THIRD FLOOR																
HRU-3-1	SGI 314	CLASSROOMS (AGE 9 PLUS)	259	0.12	31	35	9	9	10	90	121	0.8	151	160		
HRU-3-1	SGI 315	CLASSROOMS (AGE 9 PLUS)	169	0.12	20	35	6	6	10	60	80	0.8	100	100		
HRU-3-1	STOR. 350	STORAGE ROOMS	76	0.12	9	-	-	-	-	-	9	0.8	11	20		SEE NOTE #6.
	ELEV. LOBBY 351	CORRIDORS	111	0.06	7	-	-	-	-	-	7	1.0	7	-		SEE NOTE #4.
HRU-3-1	CLASSROOM 352	CLASSROOMS (AGE 9 PLUS)	625	0.12	93	35	22	25	10	250	325	0.8	406	410		SEE NOTES #1 & #5.
EXIST. UV & HRU-3-1	EXIST. CORRIDOR & CORRIDOR G	CORRIDORS	1,110	0.06	67	-	-	-	-	-	67	0.8	83	115		SEE NOTE #3.
HRU-3-1	CORRIDOR H	CORRIDORS	527	0.06	32	-	-	-	-	-	32	0.8	40	70		
NOTES: 1. VENTILATION OCCUPANCY IS BASED ON DESIGN OCCUPANCY USAGE. 2. BASED ON 2015 IMC CHAPTER 4, SECTIONS 402.1 & 402.2, NATURAL VENTILATION WILL BE THROUGH DOORS TO THE OUTDOORS. 3. ACTUAL OUTDOOR AIR INCLUDES OUTDOOR AIR FROM EXISTING UNIT VENTILATOR(S) (UV(s)). 4. MAKEUP AIR TO ELEVATOR SHAFT FROM ELEVATOR LOBBY FROM ADJACENT CORRIDOR THROUGH OPERABLE DOORS. 5. VENTILATION SQUARE FOOTAGE IS REDUCED BY THE AREA OF FIXED WALL FURNITURE (I.E. CASEWORK, CABINETS, CUBBIES, ETC.). 6. BASED ON 2015 IMC CHAPTER 2, SECTION 202, DEFINITION OF "OCCUPIABLE SPACE" & CHAPTER 4, SECTION 401.2, STORAGE ROOMS ARE EXCLUDED FROM OCCUPIABLE SPACE AND DO NOT REQUIRE VENTILATION AIR. 7. MAKEUP AIR TO CORRIDOR FROM ADJACENT CORRIDOR THROUGH OPERABLE DOORS.																