

FAN COIL UNIT SCHEDULE - HYDRONIC

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.CHILLED WATER IS 30% PROPYLENE GLYCOL.
 3.PROVIDE WITH DOUBLE DEFLECTION FRONT DISCHARGE GRILLE AND SINGLE DEFLECTION BOTTOM RETURN GRILLE.
 4.PROVIDE WITH FRONT DISCHARGE DUCT COLLAR AND SINGLE DEFLECTION BOTTOM RETURN GRILLE.
 5.PROVIDE WITH STAINLESS STEEL DRAIN PANS.
 6.PROVIDE WITH LIFT AND TURN HINGED ACCESS PANEL.
 7.PROVIDE WITH BASE RAIL.
 8.HEATING COIL LOCATED IN THE REHEAT POSITION.

TAG NAME	AREA SERVED	CONFIGURATION	CFM	EXT. S.P. IN. W.C.	COOLING COIL										HEATING COIL										ELECTRICAL				MANUFACTURER	MODEL-1	NOTES	
					EAT		LAT		TOTAL MBH	SENSIBLE MBH	GPM	EWT °F	LWT °F	W.P.D. FT. HD	EAT °F	LAT °F	MBH	GPM	EWT °F	LWT °F	W.P.D. FT. HD	HP (NOTE E)	RPM	VOLTAGE	PHASES	DISCONNECT		CONTROLLER/ STARTER				
					DB °F	WB °F	DB °F	WB °F																		BY (NOTE A)	TYPE (NOTE B)	TYPE (NOTE A)				SCCR
FCU-B-1M	BASEMENT ROOM B01	HORIZONTAL EXPOSED	460	0.0	80.0	67.0	55.4	55.0	16.3	11.9	2.9	42	54	4.30	65	85	9.9	0.7	140	110	4.30	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FHX-D06	1, 2, 3, 5, 8
FCU-B-2M	NORTH POOL B10	HORIZONTAL EXPOSED	460	0.0	80.0	67.0	55.4	55.0	16.3	11.7	2.9	42	54	4.30	65	90	12.4	0.8	140	110	4.30	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FHX-D06	1, 2, 3, 5, 8
FCU-B-3M	SOUTH POOL B10	HORIZONTAL EXPOSED	210	0.0	80.0	67.0	54.8	54.5	7.8	5.6	1.4	42	54	5.70	65	100	7.9	0.5	140	110	1.50	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FHX-D02	1, 2, 3, 5, 8
FCU-B-4M	SOUTH BASEMENT	HORIZONTAL EXPOSED	330	0.1	80.0	67.0	55.0	54.7	12.0	8.6	2.1	42	54	4.70	65	85	7.7	0.5	140	110	1.70	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FHX-D04	1, 2, 3, 5, 8
FCU-B-5M	BOILER ROOM B08	HORIZONTAL EXPOSED	475	0.0	80.0	67.0	55.6	55.2	16.6	12.2	3.0	42	54	9.40	65	85	10.2	0.7	140	110	7.40	2-0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FHX-D06	1, 2, 4, 5, 8
FCU-1-1M	MECHANICAL 103	WALL MOUNTED	600	0.0	80.0	67.0	59.6	57.8	16.6	12.8	3.5	42	52.5	9.70	65	80	9.7	0.7	140	110	10.00	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FWX-C10	1, 2, 5, 8
FCU-3-1M	MAURICE OFFICE 301	VERTICAL CONCEALED	110	0.3	77.5	65.4	58.9	57.2	2.9	2.2	0.5	42	54	2.70	65	80	1.8	0.4	140	110	1.00	0.25	1600	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FWC-C02	1, 2, 5, 8
FCU-3-2M	CENTER MEN'S LOUNGE 306	VERTICAL DUCTED	625	0.3	77.5	65.4	58.1	57.3	15.1	12.5	2.8	42	54	12.30	65	90	16.9	1.1	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-08	1, 2, 5, 6, 7, 8
FCU-3-3M	E. MEN'S LOUNGE 306	VERTICAL DUCTED	460	0.3	77.5	65.4	59.1	57.8	10.5	8.9	1.9	42	54	4.40	65	90	15.1	0.9	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8
FCU-3-4M	W. MEN'S LOUNGE 307	VERTICAL DUCTED	510	0.3	77.5	65.4	58.3	57.1	12.6	10.4	2.3	42	54	7.30	65	95	16.5	1.1	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-06	1, 2, 5, 6, 7, 8
FCU-3-5M	E. MEN'S LOUNGE 307	VERTICAL DUCTED	405	0.3	77.5	65.4	58.2	57.2	9.9	8.2	1.8	42	54	3.20	65	95	13.1	0.9	140	110	10.00	2-0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8
FCU-3-6M	HALL 302	WALL MOUNTED	635	0.0	77.5	65.4	59.4	57.6	14.7	12.0	2.7	42	54	2.10	65	100	24.0	1.6	140	110	10.00	0.25	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FWX-C10	1, 2, 5, 8
FCU-3-7M	E. WOMEN'S LOUNGE 305	VERTICAL DUCTED	405	0.3	77.5	65.4	58.2	57.2	10.0	8.2	1.8	42	54	4.10	65	95	13.2	0.9	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8
FCU-3-8M	W. WOMEN'S LOUNGE 305	VERTICAL DUCTED	575	0.3	77.5	65.4	59.1	57.8	13.3	11.1	2.4	42	54	8.00	65	95	18.6	1.2	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-06	1, 2, 5, 6, 7, 8
FCU-3-9M	E. WOMEN'S LOUNGE 304	VERTICAL DUCTED	455	0.3	77.5	65.4	59.1	57.8	10.5	8.9	1.9	42	54	4.40	65	90	11.9	0.8	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8
FCU-3-10M	CENTER WOMEN'S LOUNGE 304	VERTICAL DUCTED	405	0.3	77.5	65.4	58.2	57.2	10.0	8.2	1.8	42	54	4.10	65	90	10.9	0.7	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8
FCU-3-11M	W. WOMEN'S LOUNGE 304	VERTICAL DUCTED	405	0.3	77.5	65.4	58.2	57.2	10.0	8.2	1.8	42	54	4.10	65	95	12.8	0.9	140	110	10.00	0.33	1200	115	1	MFR	NF	EC MOTOR	5 kA	JOHNSON CONTROLS, INC.	FCC-04	1, 2, 5, 6, 7, 8

EXPANSION TANK SCHEDULE

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.TANK SHALL BE PRE-CHARGED TO 23 PSI.
 3.30% PROPYLENE GLYCOL.

TAG NAME	SYSTEM TYPE	TANK TYPE	ACCEPTANCE VOLUME	TANK VOLUME	TANK DIA	TANK HEIGHT	MANUFACTURER	MODEL	NOTES
ET-1	CHILLED WATER	VERTICAL BLADDER	23	23	16	37	BELL & GOSSETT	B-85	1,2,3
ET-2	HEATING WATER	VERTICAL BLADDER	23	23	16	37	BELL & GOSSETT	B-85	1,2

RADIATION SCHEDULE

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
 3.ARCHITECTURAL PEDESTAL WITH EXTRUDED ALUMINUM BAR GRILLE. ROUTE BARE RETURN PIPING IN CABINET WHERE NOTED OR REQUIRED.

TAG NAME	AREA SERVED	MBH	GPM	ELEMENT						CABINET			AVERAGE WATER TEMP °F	CONTROL TYPE (NOTE 2)	MANUFACTURER	MODEL	NOTES	
				MAT'L	LENGTH FT.	PIPE SIZE	FIN HEIGHT	FIN WIDTH	NUMBER OF ROWS	FINS PER FOOT	LENGTH	HEIGHT						DEPTH
RAD-1-1M	SUN PORCH 109	3	0.2	COPPER	1 - 8"	1"	4 1/4"	4 1/4"	1	40	CONTINUOUS	7"	6"	125	RAD-A	VULCAN	JV4-AR-PM	NOTES 1, 2, 3
RAD-1-2M	SUN PORCH 109	6	0.4	COPPER	2 - 8"	1"	4 1/4"	4 1/4"	1	40	CONTINUOUS	7"	6"	125	RAD-A	VULCAN	JV4-AR-PM	NOTES 1, 2, 3
RAD-3-1M	ROYCROFT DEN 300	7.3	0.5	COPPER	3 - 6.5"	1"	4 1/4"	4 1/4"	1	40	CONTINUOUS	7"	6"	125	RAB-B	VULCAN	JV4-AR-PM	NOTES 1, 2, 3

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5' INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
 3.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
 4.REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
 5.SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
 6.HEATING COIL IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS. WHEN LAT °F, EWT °F, AND GPM. VALUES ARE BLANK, HEATING COIL IS NOT REQUIRED FOR TAB.
 7.HEATING COIL SELECTION SHALL BE BASED ON A FIXED LEAVING AIR TEMPERATURE AND VARIABLE FLOW (GPM). PROVIDE FINAL MAXIMUM FLOW RATE (GPM) TO TEST & BALANCE TEMPERATURE CONTROLS...

TAG NAME	AREA SERVED	CFM				HEATING COIL (NOTES 6, 7)				MIN. INLET SIZE (IN. DIA.)	CONTROL TYPE (NOTE 4)	SENSOR TYPE (NOTE 5)	MANUFACTURER	MODEL (NOTES 2, 3)	NOTES
		COOLING MAX.	HEATING MIN.	MIN.	CO2 SETPOINT	EAT °F	LAT °F	EWT °F	MAX. GPM						
TAB-1-1M	WOMEN'S COOL RM 105	870	800	175	750	55.0	89.0	140	2.0	9"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-2M	OFFICE 104	120	115	40	750	55.0	85.0	140	0.5	4"	TAB-B	2	TITUS	DESV	NOTES 1-7
TAB-1-3M	N. SUN PORCH 109	1480	590	300	750	55.0	107.0	140	2.2	12"	TAB-C-D	2	TITUS	DESV	NOTES 1-7
TAB-1-4M	WOMEN'S PACK RM 101	520	520	105	750	55.0	88.0	140	1.3	6"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-5M	WOMEN'S BATH HALL 114	1260	1260	255	750	55.0	85.0	140	2.8	12"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-6M	MEN'S PACK ROOM 108	1650	1650	330	750	55.0	85.0	140	3.6	14"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-7M	S MEN'S BATH HALL 113	1365	1365	275	750	55.0	85.0	140	3.0	12"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-8M	MEN'S COOL ROOM 115	630	630	130	750	55.0	85.0	140	1.4	12"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-9M	MEN'S COOL ROOM 115	610	610	125	750	55.0	85.0	140	1.3	8"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-10M	MESSAGE 116	870	870	175	750	55.0	87.0	140	2.1	9"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-1-11M	CLOAK RM 117	460	95	95	750	55.0	85.0	140	0.5	6"	TAB-B	2	TITUS	DESV	NOTES 1-7
TAB-1-12M	S. SUN PORCH 109	1480	590	300	750	55.0	107.0	140	2.2	12"	TAB-C-D	2	TITUS	DESV	NOTES 1-7
TAB-2-1M	MESSAGE 201 / MESSAGE 202 / HALL 200A	760	450	140	750	55.0	108.0	140	1.8	8"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-2-2M	N. MEN'S DRESSING 205	770	770	155	750	55.0	97.0	140	2.4	8"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-2-3M	HALL 211 / HALL 200B	375	340	75	750	55.0	110.0	140	1.4	7"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-2-4M	EMPLOYEE LOUNGE 208	760	455	155	750	55.0	108.0	140	1.8	8"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-2-5M	BILLIARD ROOM 210	440	440	90	750	55.0	85.0	140	1.0	7"	TAB-A	2	TITUS	DESV	NOTES 1-7
TAB-2-6M	S. MEN'S DRESSING 205	800	800	160	750	55.0	96.0	140	2.4	8"	TAB-A	2	TITUS	DESV	NOTES 1-7

VRF INDOOR UNIT SCHEDULE

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.INDOOR UNITS SELECTED FOR SPACE PEAK LOADS.
 3.UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP.
 4.INDOOR UNIT CFM SELECTED AT HIGH CFM. INDOOR UNIT SHALL HAVE CAPABILITY TO ADJUST CFM FOR FINAL AIR BALANCING UP OR DOWN THROUGH FIELD ADJUSTMENT.
 5.FURNISH WITH SINGLE WIRELESS REMOTE CONTROLLER TO CONTROL ALL 4 INDOOR UNITS.

TAG NAME	AREA SERVED	ASSOCIATED VRF HEAT PUMP	CONFIGURATION	TONS	CFM	OA CFM	EXT. S.P. IN. W.C.	REFRIGERANT TYPE	COOLING EAT °F	HEATING EAT °F	COOLING CAPACITY BTUH	HEATING CAPACITY BTUH	ELECTRICAL			MAX. DIMENSIONS			WEIGHT	MANUFACTURER	MODEL	NOTES	
													VOLTAGE	PHASES	MCA	SCCR	LENGTH	WIDTH					HEIGHT
IU-1M	ROYCROFT SKYLIGHT	HP-1M	WALL MOUNTED	2.5	915	0	0	R-410A	82.0/67.2	59	28530	28550	208	1	0.63	5 kA	47	12	15	50	TRANE	TPKFYP030KM142A	1,2,3,4,5
IU-2M	ROYCROFT SKYLIGHT	HP-1M	WALL MOUNTED	2.5	915	0	0	R-410A	82.0/67.2	59	28530	28550	208	1	0.63	5 kA	47	12	15	50	TRANE	TPKFYP030KM142A	1,2,3,4,5
IU-3M	ROYCROFT SKYLIGHT	HP-1M	WALL MOUNTED	2.5	915	0	0	R-410A	82.0/67.2	59	28530	28550	208	1	0.63	5 kA	47	12	15	50	TRANE	TPKFYP030KM142A	1,2,3,4,5
IU-4M	ROYCROFT SKYLIGHT	HP-1M	WALL MOUNTED	2.5	915	0	0	R-410A	82.0/67.2	59	28530	28550	208	1	0.63	5 kA	47	12	15	50	TRANE	TPKFYP030KM142A	1,2,3,4,5

AIR FLOW MONITORING STATION

- NOTES:
 1.MANUFACTURER LISTED IS BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS.
 2.PROVIDE WITH ACCESS DOOR FOR CLEANING.

TAG NAME	DESCRIPTION	SYSTEM	HEIGHT	WIDTH	NUMBER OF SENSORS	MIN. CFM	MAX. CFM	MANUFACTURER	MODEL	NOTES
AFMS-1M	DUCT MOUNTED	OUTSIDE AIR								