

EQUIPMENT SCHEDULE - VAV UNIT									
APPROVED MANUFACTURER		YORK							
EQUIPMENT NUMBER		V-71A	V-71B	V-71C	V-71D	V-71E	V-71F	V-71G	V-71H
DESIGN CFM	MAXIMUM	1550	1113	1291	1546	1527	1285	224	500
	MINIMUM	400	300	300	400	400	300	50	150
DELTA " P" AT	MAX. CFM - IN. W.C.	0.29	0.29	0.38	0.28	0.28	0.38	0.13	0.23
HYDRONIC HEATING COIL	COIL CFM	800	700	800	800	800	700	120	400
	No. OF CIRCUIT(S)	1	1	1	1	1	1	1	1
	EAT - °F	55	55	55	55	55	55	55	55
	No. OF ROW (MIN.)	2	2	2	2	2	2	3	2
	FIN PER INCH (MAX.)	---	---	1.7	---	---	---	---	---
	TOTAL LOAD - MBH	45.1	28.8	33.2	38.2	37.3	29.0	10.9	12.6
	AIR FRICTION - IN.	---	---	---	---	---	---	---	---
	FLUID - CONC./BRINE	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG
	EWT - °F	160°F	160°F	160°F	160°F	160°F	160°F	160°F	160°F
	LWT - °F	140°F	140°F	140°F	140°F	140°F	140°F	140°F	140°F
	FLUID - GPM	3.2	1.3	1.7	1.7	1.6	1.3	2.7	0.5
	FLUID PD - FT.	4.2	0.6	1.0	1.3	1.1	0.7	0.8	0.1
MODEL No.		SDR-14	SDR-12	SDR-12	SDR-14	SDR-14	SDR-12	SDR-04	SDR-08
ELECTRICAL DATA		120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø
AHU No.		AHU-71	AHU-71	AHU-71	AHU-71	AHU-71	AHU-71	AHU-71	AHU-71
ACCESSORIES/REMARK		(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)
NOTE: (1) UNIT MOUNTED DISCONNECT, UNIT MOUNTED CONTROL VOLTAGE TRANSFORMER (2) UNIT CONTROL SYSTEM SHALL BE COMPATIBLE WITH EXISTING BLDG. HVAC CONTROL SYSTEM.									

EQUIPMENT SCHEDULE - VAV UNIT										
APPROVED MANUFACTURER		YORK								
EQUIPMENT NUMBER		V-72A	V-72B	V-72C	V-72D	V-72E	V-72F	V-72G	V-72H	V-72I
DESIGN CFM	MAXIMUM	1278	1326	1192	182	701	879	1674	1592	573
	MINIMUM	300	300	300	50	200	200	400	400	200
DELTA " P" AT	MAX. CFM - IN. W.C.	0.37	0.4	0.32	0.06	0.23	0.34	0.33	0.3	0.34
HYDRONIC HEATING COIL	COIL CFM	800	800	800	120	400	500	800	800	200
	No. OF CIRCUIT(S)	1	1	1	1	1	1	1	1	1
	EAT - °F	55	55	55	55	55	55	55	55	55
	No. OF ROW (MIN.)	2	2	2	2	3	2	2	2	2
	FIN PER INCH (MAX.)	---	---	---	---	---	---	---	---	---
	TOTAL LOAD - MBH	31.5	33.7	31.8	8.2	23.2	26.2	38.8	40.4	9.7
	AIR FRICTION - IN.	---	---	---	---	---	---	---	---	---
	FLUID - CONC./BRINE	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG	20% EG
	EWT - °F	160°F	160°F	160°F	160°F	160°F	160°F	160°F	160°F	160°F
	LWT - °F	140°F	140°F	140°F	140°F	140°F	140°F	140°F	140°F	140°F
	FLUID - GPM	1.4	1.7	1.5	1.0	2.5	2.5	1.8	2.0	0.5
	FLUID PD - FT.	0.8	1.1	0.8	0.3	1.8	1.9	1.4	1.8	0.1
MODEL No.		SDR-12	SDR-12	SDR-12	SDR-04	SDR-10	SDR-10	SDR-14	SDR-14	SDR-08
ELECTRICAL DATA		120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø	120 V/1 Ø
AHU No.		AHU-72	AHU-72	AHU-72	AHU-72	AHU-72	AHU-72	AHU-72	AHU-72	AHU-72
ACCESSORIES/REMARK		(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)	(1) (2)
NOTE: (1) UNIT MOUNTED DISCONNECT, UNIT MOUNTED CONTROL VOLTAGE TRANSFORMER (2) UNIT CONTROL SYSTEM SHALL BE COMPATIBLE WITH EXISTING BLDG. HVAC CONTROL SYSTEM.										

EQUIPMENT SCHEDULE - DIFFUSERS, GRILLES & REGISTERS			
NOTES: SEE ARCH. REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING DIFFUSERS. ALL FLEXIBLE DUCT CONNECTIONS TO RECTANGULAR DUCT TO BE SPIN-INS WITH AIR SCOOP AND BALANCE DAMPER. NECK SIZE AS SHOWN ON THE DRAWINGS.			
APPROVED MANUFACTURER:		TITUS (*EXCEPT AS NOTED)	
EQUIP. NO.	MOUNTING TYPE	MODEL NUMBER	ACCESSORIES/REMARKS
G-1	LAY-IN CEILING (SUPPLY)	TMS (24X24)	(1)
G-2	SURFACE (SUPPLY)	272 RL	AG-35 DAMPER
G-3	SURFACE (RETURN)	50F	#1 BORDER
G-4	LAY-IN CEILING (SUPPLY)	50F (24X24)	(1)
G-5	SURGACE	350FLF2	FILTER INTAKE W/ 2" FILTER

(1): WHERE USED IN GYP. BOARD CEILING, PROVIDE TITUS MODEL "TRM" ANGLE MOUNTING FRAME FOR CUT OPENING AND USE LAY-IN TYPE DIFFUSER.

EQUIPMENT SCHEDULE - CENTRAL AIR HANDLER			
APPROVED MANUFACTURER		YORK	
OUT DOOR DESIGN TEMP.	SUMMER	95°F	
	WINTER	30°F	
INDOOR DESIGN TEMP.	SUMMER	78°F	
	WINTER	72°F	
EQUIPMENT NUMBER		AHU-71	AHU-72
HYDRONIC HEATING COIL	COIL CFM	9,130	9,490
	No. OF CIRCUIT(S)	1	1
	EAT - °F	60°F	60°F
	No. OF ROW (MIN.)	1	1
	FIN PER INCH (MAX.)	9	10
	TOTAL LOAD - MBH	205.6	218.7
	AIR FRICTION - IN.	0.08	0.08
	FLUID - CONC./BRINE	20% EG	20% EG
	EWT - °F	160°F	160°F
	LWT - °F	140°F	139.7°F
	FLUID - GPM	21.6	22.9
	FLUID PD - FT.	10.5	8.6
HYDRONIC COOLING COIL	COIL CFM	9,130	9,490
	No. OF CIRCUIT(S)	1	1
	EAT DB/WB - °F.	81.1/68.0	81.0/67.9
	LAT DB/WB - °F.	53.3/53.1	53.3/53.7
	No. OF ROW (MIN.)	8	8
	FIN PER INCH (MAX.)	12	11
	SEN. LOAD - MBH	265.6	274.6
	TOTAL LOAD - MBH	403.4	417.3
	AIR FRICTION - IN.	1.01	1.01
	FLUID - CONC./BRINE	20% EG	20% EG
	EWT - °F	47°F	47°F
	LWT - °F	59°F	59°F
FILTER	TYPE	PLEATED	PLEATED
	THICKNESS - INCH	4"	4"
FAN	AIR FRICTION - IN.	0.125	0.125
	TYPE	AF 18-18	AF 182-I
	DRIVE	BELT	BELT
	MAX CFM	9,130	9,490
	HP	10	15
	EXT. S.P. - IN.	2.0	2.0
	VFD	VFD-DIRVE	VFD-DIRVE
	OUTSIDE AIR CFM	2285	2345
MODEL No.		XTI-45X87	XTI-51X78
ELECTRICAL DATA		460/3	460/3
ACCESSORIES/REMARK		(1)	(1)
NOTE: (1) DRAIN PAN WITH VIBRATION ISOLATION PAD. (2) RIGHT HAND COIL CONNECTION WITH ACCESS DOORS ON BOTH SIDES.			

LEGEND

	DUCT W/ SIZE SHOWN	SA	SUPPLY AIR
	SUPPLY DUCT	RA	RETURN AIR
	RETURN/EXHAUST DUCT	EA	EXHAUST AIR
	DUCT ELEV. CHANGE	EF	EXHAUST FAN
	R-RISE/D-DOWN	OA	OUTSIDE AIR
	ELBOW W/ TURNING VANES	SF	SUPPLY FAN
	DUCT TRANSITION	VAV	VARIABLE AIR VOLUME
	SUPPLY DIFFUSER/GRILLE	EDH	ELEC. DUCT HEATER
	RETURN DIFFUSER/GRILLE	AHU	AIR HANDLING UNIT
	FLEX DUCT	BD	BALANCE DAMPER
	PRESSURE SENSOR	(TS)	TEMPERATURE SENSOR
	SMOKE DETECTOR	(VFD)	MOTOR VFD CONTROLLER
	CONTROL VALVE/REGULATOR		CHECK VALVE
	STRAINER/FILTER		PRESSURE GAGE
	PIPE REDUCER		THERMOMETER/TEMP. GAGE
	EXISTING	CHS - CHILLED WATER SUPPLY	CHS - CHILLED WATER SUPPLY
	VALVE - CLOSE	CHR - CHILLED WATER RETURN	CHR - CHILLED WATER RETURN
	VALVE - OPEN	ECHS - EXIST. CHILLED WATER SUPPLY	ECHS - EXIST. CHILLED WATER SUPPLY
	FLEX PIPE CONNECTOR	ECHR - EXIST. CHILLED WATER RETURN	ECHR - EXIST. CHILLED WATER RETURN
	CV - CONTROL VALVE GROUP	HHS - HEATING HOT WATER SUPPLY	HHS - HEATING HOT WATER SUPPLY
	PIPE RISER DOWN	HHR - HEATING HOT WATER RETURN	HHR - HEATING HOT WATER RETURN
	PIPE RISER UP	EHHS - EXIST. HEATING HW SUPPLY	EHHS - EXIST. HEATING HW SUPPLY
	PIPE TEE UP	EHR - EXIST. HEATING HW RETURN	EHR - EXIST. HEATING HW RETURN
	PIPE TEE DOWN		

EQUIPMENT SCHEDULE - FAN			
APPROVED MANUFACTURER		COOK	
EQUIPMENT NUMBER		SF-OA71	SF-OA72
MOUNTING TYPE		INLINE	INLINE
FAN	TYPE	CENTRIF.	CENTRIF.
	DRIVE	DIRECT	DIRECT
	RPM	1053	1074
	CFM	2285	2345
	S.P. - IN.	0.375	0.375
	HP	1/2	1/2
MODEL No.		165SQN10D	165SQN10D
ELECTRICAL DATA		120 V/1 Ø	120 V/1 Ø
ACCESSORIES/REMARK		SEE NOTE	SEE NOTE
NOTE - PROVIDE FAN WITH THE FOLLOWING ACCESSORIES: (1) UNIT MOUNTED DISCONNECT. (2) UNIT MOUNTED SPEED CONTROLLER (3) 120 VOLTS MOTORIZED OPPOSITE BLADE OA DAMPER. (4) INLET AND OUTLET FLEX DUCT CONNECTIONS			

EQUIPMENT SCHEDULE - HOT WATER HEATING COIL			
APPROVED MANUFACTURER		YORK	
EQUIPMENT NUMBER		HTCL-71	HTCL-72
HYDRONIC HEATING COIL	COIL CFM	2285	2345
	No. OF CIRCUIT(S)	1	1
	EAT - °F	25°F	25°F
	No. OF ROW (MIN.)	1	1
	FIN PER INCH (MAX.)	10	10
	TOTAL LOAD - MBH	86.8	89.1
	AIR FRICTION - IN.	0.11	0.12
	FLUID - CONC./BRINE	20% EG	20% EG
	EWT - °F	160°F	160°F
	LWT - °F	140°F	140°F
	FLUID - GPM	9.15	9.4
	FLUID PD - FT.	8.4	8.7
MODEL NUMBER		CDW	CDW
ACCESSORIES/REMARK			

REVISIONS

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SUWANNEE COUNTY MIDDLE SCHOOL
HVAC MODIFICATIONS - BUILDING 7
LIVE OAK, FLORIDA

DATE: 2/17/12

SCALE: AS SHOWN

DRAWN: GCM

JOB: 1947

SHEET:

M-4

OF 6 SHEETS