











	AIR HANDLING UNI	T SCH	HEDULE	–	EQUIP	MENT	го в	E FU	RNIS	HED	BY OWNER																
						FAN					hi i				UNIT	COOLING							FILTER DATA		VOLTS/	MANUF.	MODEL
MARK	AREA	TOTAL	OUTSIDE	S.P.	(IN.W.G.)	FAN	TYPE	FANS	FAN	TOTAL			AIR	SIDE					WA	ATER SIDE	<u> </u>	PRE-FILTERS	FINAL FILTERS	MIN.	PHASE		NUMBER
	SERVED	AIR	AIR	EXT.	TOTAL	WALL			HP	FAN	ENT AIR to COIL	LVG AIR fr	om COIL	MAX	ROWS /	SENSIBLE	TOTAL	EWT	LWT	?PD	COIL FLOW	MERV 7	MERV 13	FILTER			
		(CFM)	(CFM)			ARR	i 3		ļ	(HP)	dB (°F) wB (°F)	dB (*F)	w B ('F)	FPM	FINS	MBH	MBH	(°F)	(°F)	(FT)	(GPM)	TYPE	TYPE	SQ.FT.	e _i		
AHU-VO1	BUILDING V	12,000	2,600	2.50	5.75	2R / 2 C	AF	4	5	20	82.5 65.8	51.9	50.5	400	8 / 10	396.6	534.7	46.0	60.0	9.3	89.0	2" PLEATS	12" CARTRIDGE	36	480/3	TEMTROL	_
		242				1																					

REWARKS

TYPE 304 S.S. SOLID INTERIOR LINER, PAINTED GALVANIZED EXTERIOR. TYPE — I THERMAL BREAK.

FAN HP IS ESTIMATED FOR ELECTRICAL SERVICING REQUIREMENTS ONLY. MANUFACTURER/CONTRACTOR SHALL DETERMINE FAN HP BASED ON SCHEDULED EXT. S.P., MANUFACTURER'S ESTIMATED INTERNAL S.P., AND CFM.

PROVIDE FANWALL TYPE FANS WITH BACKDRAFT DAMPER FOR FAILED FAN OPTION.

PROVIDE SINGLE POINT CONNECTION FACTORY WIRED UNIT MOUNTED CONTROL PANEL WITH VARIABLE SPEED DRIVES FOR EACH FAN MOTOR WITH DISCONNECT SWITCHES AHEAD OF EACH VARIABLE SPEED DRIVE. MAX. WATER PRESSURE DROP FOR COOLING COIL IS 15 FT.

MAX. WATER PRESSURE DROP FOR COOLING COIL IS 15 FT.

MAX. AIR VELOCITY FOR COOLING COIL IS 450 FPM.

PROVIDE CU COILS WITH 0.008" AL FINS / 5/8" OD / 0.020" WALL / 304 S.S. CASING

G PROVIDE STAINLESS STEEL DRAIN PAN WITH POSITIVE DRAINAGE.

H FILTER RATING BASED ON ASHRAE 52.2

UNIT CONFIGURATION IS: AIR PLENUM W/ACCESS DOOR - 2 STAGE FLAT WITH PLEATED AND CARTRIDGE FILTER - COOLING COIL WITH ACCESS DOOR - FAN SECTION WITH UPBLAST FRONT DISCHARGE.

PROVIDE UV LIGHTS AND BIPOLAR IONIZATION FOR COOLING COIL PROTECTION

BASIS OF DESIGN FOR CONTROLS IS ANDOVER BY FACILITY AUTOMATION

	PARALLEL FAN TERMINAL	LIMIT 9	SOHE	UIIE —	FOLIDA	AENT TO	A RE E	IIDNICHE	n BA	∩WNIF	D								
	PANALLE LAN TENMINAL	OIVII		JULL —	LQUIF	WEINI I	J DL I	OMINISTIL	וטע	OWINL	-11								
MARK	SERVICE	COOLING	MIN	HEATING	OUTLET	INLET	FLEX	BOX SIZE	FAN						HEATING	1.0	MANUFACTURER	MODEL	NOTES
		CFM	CFM	CFM	(INCHES)	(INCHES)	(INCHES)	WxLxH	CFM	SIZE	HP	FLA	VOLTS	KW	STAGES	VOLTS		NUMBER	
FTU-V01	BOOK STORE OFFICES	640	135	385	14x11	10	12	41x36x17	250	2	1/6	1.3	277/1	4.0	2	277/1	TITUS	DTQP	1
FTU-V02	BOOK STORE EAST STACKS	900	190	540	14x11	10	12	41x36x17	350	2	1/6	1.3	277/1	4.0	2	277/1	TITUS	DTQP	1
FTU-V03	BOOK STORE W. STACKS & STORE	1200	255	705	14x11	12	14	41x36x17	450	3	1/4	2.2	277/1	6.0	2	277/1	TITUS	DTQP	1
FTU-V04	COMMUNITY FLEX SPACE	1500	320	770	14x11	14	16	41x36x17	450	3	1/4	2.2	277/1	9.0	2	480/3	TITUS	DTQP	1
FTU-V05	COMMUNITY FLEX SPACE ALT	1275	275	725	14x11	12	14	41x36x17	450	3	1/4	2.2	277/1	8.0	2	480/3	TITUS	DTQP	1
			8 3							J.								-17 (p.)	
REMARKS			2							-		30	2		\$2.	-3		W.A.L.	
A	MANUFACTURER SHALL MOUNT DIGITAL CONTI	ROL MODULE	AND ACT	TUATOR ON U	NIT AT FACTOR	RY.													
	CONTROL CONTRACTOR SHALL PROVIDE CONT	TROL MODULE	. AND AC	TUATOR TO N	MANUFACTURER	. AND													
	CONTROL CONTRACTOR SHALL BE RESPONSI	BLE FOR ADD	RESSING,	, CALIBRATING	, AND SECURI	ng external	_ CONTROL V	WIRING TO THE	CONTROL	PANEL.									
В	PROVIDE 75 VA 277/24 VOLT XFMR CLASS	II MOUNTED	IN CONTI	ROL PANEL.															
C	PROVIDE FLEX DUCT CONNECTED TO FILTER																		
D	PROVIDE 2" LARGER CONICAL REDUCER 12"	LONG AT T	HE TERM	INAL UNIT INL	_ET														
E	HEATING CFM INCLUDES MINIMUM COOLING O	CFM + FAN C	JFM .																
F	PROVIDE AND WIRE UNIT MOUNTED DISCONNI	ECT.																	
NOTES																			

MARK	SERVICE	COOLING	HEATING	INLET	OUTLET		HEATING		MANUFACTURER	MODEL	NOTES
		CFM	CFM	(INCHES)	(INCHES)	KW	STAGES	VOLTS	7	NUMBER	
WU-V01	DATA & MECH. ROOM	830	230	10	14x12.5	2.0	2	277/1	TITUS	DESV	_
REMARKS		, <u> </u>		l,		-	ļ		1		
Α	MANUFACTURER SHALL MOUNT DIGITAL O										
Α	CONTROL CONTRACTOR SHALL PROVIDE	CONTROL MODUL	E AND ACTUA	ATOR TO MANU	IFACTURER. A						
	CONTROL CONTRACTOR SHALL PROVIDE CONTROL CONTRACTOR SHALL BE RESPO	CONTROL MODUL DNSIBLE FOR AD	E AND ACTUA DRESSING, CA	ATOR TO MANU ALIBRATING, AN	IFACTURER. A		CONTROL W	IRING TO TH	HE CONTROL PANEL.		
A B	CONTROL CONTRACTOR SHALL PROVIDE CONTROL CONTRACTOR SHALL BE RESPO PROVIDE 75 VA 277/24 VOLT XFMR CL	CONTROL MODUL DNSIBLE FOR AD ASS II MOUNTED	E AND ACTUA DRESSING, CA	ATOR TO MANU ALIBRATING, AN	IFACTURER. A		CONTROL W	iring to th	HE CONTROL PANEL.		
	CONTROL CONTRACTOR SHALL PROVIDE CONTROL CONTRACTOR SHALL BE RESPO	CONTROL MODUL DNSIBLE FOR AD ASS II MOUNTED	E AND ACTUA DRESSING, CA	ATOR TO MANU ALIBRATING, AN	IFACTURER. A		CONTROL W	iring to th	HE CONTROL PANEL.		
	CONTROL CONTRACTOR SHALL PROVIDE CONTROL CONTRACTOR SHALL BE RESPO PROVIDE 75 VA 277/24 VOLT XFMR CL	CONTROL MODUL DNSIBLE FOR AD ASS II MOUNTED ESSURE.	E AND ACTUA DRESSING, CA IN CONTROL	ATOR TO MANU ALIBRATING, AN PANEL.	IFACTURER. A		CONTROL W	iring to th	HE CONTROL PANEL.		
	CONTROL CONTRACTOR SHALL PROVIDE CONTROL CONTRACTOR SHALL BE RESPONDED TO VA 277/24 VOLT XFMR CL 0.5" MAXIMUM DOWNSTREAM STATIC PROVIDED TO VALUE OF THE CONTRACT OF THE CONTR	CONTROL MODUL ONSIBLE FOR AD ASS II MOUNTED SSURE. 12" LONG AT	E AND ACTUA DRESSING, CA IN CONTROL THE TERMINAL	ATOR TO MANU ALIBRATING, AN PANEL. L UNIT INLET	ifacturer. Ai D Securing	EXTERNAL			HE CONTROL PANEL.		

MARK	SERVICE	COOLING	HEATING	INLET	OUTLET		HEATING	200	MANUFACTURER	MODEL	NOTES
		CFM	CFM	(INCHES)	(INCHES)	KW	STAGES	VOLTS		NUMBER	
CVU-V01.1	AHU-V01	1300	1300	14	20x17.5	13.0	3	480/3	TITUS	DESV	1
CVU-V01.2	AHU-V01	1300	1300	14	20x17.5	13.0	3	480/3	TITUS	DESV	1
EMARKS A	MANUFACTURER SHALL MOU							2		<u> </u>	
Α	CONTROL CONTRACTOR SHA	ALL PROVIDE O ALL BE RESPO	CONTROL MOD NSIBLE FOR A	ULE AND ACTU ADDRESSING, C	JATOR TO MA CALIBRATING,	NUFACTURE	R. AND	IAL CONTROL	_ WIRING TO THE CONTRO	DL PANEL.	
_	CONTROL CONTRACTOR SHA CONTROL CONTRACTOR SHA PROVIDE 75 VA 277/24 VC	ALL PROVIDE O ALL BE RESPO OLT XFMR CLA	CONTROL MOD NSIBLE FOR A SS II MOUNTE	ULE AND ACTU ADDRESSING, C	JATOR TO MA CALIBRATING,	NUFACTURE	R. AND	IAL CONTROL	_ WIRING TO THE CONTRO	DL PANEL.	
Α	CONTROL CONTRACTOR SHA CONTROL CONTRACTOR SHA PROVIDE 75 VA 277/24 VC 0.5" MAXIMUM DOWNSTREAM	ALL PROVIDE C ALL BE RESPO OLT XFMR CLA M STATIC PRES	CONTROL MOD NSIBLE FOR A SS II MOUNTE SSURE.	ULE AND ACTU ADDRESSING, C ED IN CONTRO	JATOR TO MA CALIBRATING, L PANEL.	NUFACTURE AND SECUI	R. AND	IAL CONTROL	WIRING TO THE CONTRO)L PANEL.	
Α	CONTROL CONTRACTOR SHA CONTROL CONTRACTOR SHA PROVIDE 75 VA 277/24 VC	ALL PROVIDE C ALL BE RESPO OLT XFMR CLA M STATIC PRES	CONTROL MOD NSIBLE FOR A SS II MOUNTE SSURE.	ULE AND ACTU ADDRESSING, C ED IN CONTRO	JATOR TO MA CALIBRATING, L PANEL.	NUFACTURE AND SECUI	R. AND	IAL CONTROL	. WIRING TO THE CONTRO	DL PANEL.	

AKEL

LOGAN

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PROJECT NO.



170004.00

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BID NUMBER: BID-SJR-05-2019

RENOVATION WITH
ADDITION TO BUILDING V
ST. AUGUSTINE CAMPUS

FOR



ST. JOHNS RIVER STATE COLLEGE PALATKA, FLORIDA

MARK DATE DESCRIPTION

ISSUE: NOVEMBER 19, 2019

PROJECT NO: 1809

DRAWN BY: SEI CHECKED BY: AG

CAD DWG FILE:

BID DOCUMENTS PHASE

SHEET TITLE

SCHEDULES

SHEET NUMBER

M002

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