

SEAY BUILDING ADDITION

CLIENT PROJECT NO. - CPC 102-1219

CONSTRUCTION DOCUMENTS

MARK	DATE	DESCRIPTION
1	12/11/2019	ADDENDUM 003
2	03/27/2020	PR-02
3	05/05/2020	PR-03
4	6/26/2020	PR-05

AIR HANDLING UNIT SYSTEM INDEX SCHEDULE																		
TAG	LOCATION	AREA SERVED	TYPE OF SYSTEM	SUPPLY FAN NO.	RETURN FAN NO.	PRE-HEAT COIL NO.	COOLING COIL NO.	EMERGENCY POWER	PRE-FILTER NO.	FINAL FILTER NO.	MAX OA/MIN OA	ATTENUATOR NO.	OPERATING WEIGHT (LBS.)	DESIGN REFERENCE	MANUFACTURER	MODEL	NOTES	
AHU-4	ROOF	FLR 2,3,4,5	VARIABLE	SAF-4	RAF-4	PHC-4	CC-4	NO	PF-4	FF-4	5,900/2570	N/A	17,721	TEMTROL	CUSTOM BUILT UP			

FAN SCHEDULE																																							
TAG	LOCATION	AREA SERVED	CFM	OUTLET VEL (FPM)	FAN TYPE	E.S.P. (IN. WG)	T.S.P. (IN. WG)	FAN CLASS	ARRANGEMENT	WHEEL	MIN. DIA. (IN.)	FAN RPM	FAN SONES	MAX. P.H.	VFD SPEED AT DESIGN FLOW	HP	RPM	VOLTS	PHASE	EMERGENCY POWER	ACCESS DOOR	DIRECT DRIVE	BELT DRIVE	BELT GUARD	SCREEN	OUTLET GUARD	RAIN	GRAVITY BDD	ROTATORIZED DAMPER	COOLING ISOLATION	ROOF PROTECTION SYS.	UNIT MTD. DISC. SW.	ALL ALUMINUM	SPECIAL COATING	WEATHER COVER	DESIGN REFERENCE			
EF-6	ROOF	RESTROOMS	700	0	ROOF VENTILATOR	1.20 in-wg		N/A	N/A	DIRECT DRIVE	0"	1725	11.3	N/A	N/A	1/2	1725	115	1	NO	No	No	No	No	No	No	No	Yes	No	No	No	50	GREENBECK	G3599-VG					
EF-7	ROOF	PHILEROTOMY/REFREZER GOLD RM	200	0	ROOF VENTILATOR	1.00 in-wg		N/A	N/A	DIRECT DRIVE	0"	1725	10.6	N/A	N/A	1/2	1725	115	1	NO	Yes	No	No	No	No	No	No	No	No	No	No	50	GREENBECK	G438-VG					
RAF-4	AHU RETURN	BUILDING	25,000	575	FAN WALL	2.50 in-wg	4.85	1	3X2 ARRAY	DIRECT DRIVE	20"	1770	N/A	7.5 EACH	60.4 Hz	6 FANS @ 7.5 HP EACH	1770	460	3	NO	Yes	No	Yes	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	2,401	NORTEK	HPF-A100	1,2,3		
SAF-4	AHU SUPPLY	BUILDING	31,500	575	FAN WALL	2.50 in-wg	4.85	1	3X2 ARRAY	DIRECT DRIVE	20"	1770	N/A	7.5 EACH	60.4 Hz	6 FANS @ 7.5 HP EACH	1770	460	3	NO	Yes	No	Yes	No	No	No	Yes	No	No	Yes	Yes	Yes	Yes	2,409	NORTEK	HPF-A100	1,2,3		

NOTES
1. WITH BACKDRAFT DAMPER
2. HORSEPOWER IS FOR EACH FAN IN FAN ARRAY
3. ONE (1) VFD PER FAN ARRAY

COIL SCHEDULE																											
TAG	SYSTEM	CFM	CAPACITY (MBH)		MAX. FACE VELOCITY (FPM)	MIN. FACE VELOCITY (FPM)	MAX. A.P.D. (IN. W.G.)	# OF ROWS	# OF COILS	COIL SIZE		ENTERING AIR TEMPERATURE	LEAVING AIR TEMPERATURE	CIRCULATING FLUID				MIN. TUBE VELOCITY (FPS)	MAX. TUBE VELOCITY (FPS)	COIL CONNECTION SIZE (IN.)	COIL COATING	DESIGN REFERENCE					
			TOTAL	SENSIBLE						DB (°F)	WB (°F)			FLUID	GPM	ENTERING (°F)	LEAVING (°F)	MAX. W.P.D. (FT. HD.)				MANUFACTURER	MODEL	NOTES			
CC	CHILLED WATER	31,500	1,237	885	424	424	0.48	6	2	99°	54°	8	87.0	74.0	52.1	51.5	WATER	154	42	58	7.53	2.63	2.5	NONE	NORTEK	5WC-6-54X98x8-BCU	1
PHC	HOT WATER	31,500	1,333	1,333	424	424	0.05	1	2	99°	54°	7	20.0	20.0	56.0	54.0	WATER	93	180	151	3.54	3.17	2.0	NONE	NORTEK	5WC-2-54X98x1-7AL	1

NOTES
1. DIMENSIONS ARE PER COIL

AIR FILTER SCHEDULE																
TAG	SYSTEM	CFM	EFFICIENCY MERV	FACE VELOCITY (FPM)	PRESSURE DROP (IN WG)		FILTER TYPE	FILTER FUNCTION	HOUSING TYPE	QUANTITY	CARTRIDGES			DESIGN REFERENCE		
INITIAL	FINAL	SIZE (IN.)	ARRANGEMENT (W X H)	MANUFACTURER	MODEL											