

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

MECHANICAL SCHEDULES

DATE	OCT 31, 2019
BSALS PROJECT NO.	15830011

M500

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	SOUND ATTENUATOR NO.	OPERATING WEIGHT (LBS.)	DESIGN REFERENCE		NOTES
AHU-4	ROOF	FLR 2,3,4,5	VARIABLE	SAF-4	RAF-4	PHC-4	CC-4	NO	PF-4	FF-4	5,000/570	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		MOTOR										DESIGN REFERENCE																				
										TYPE	MIN. DIA. (IN.)	FAN RPM	FAN SONES	MAX. BHP	VFD SPEED AT DESIGN FLOW	HP	RPM	VOLTS	PHASE	EMERGENCY POWER	ACCESS DOOR	BELT DRIVE	DIRECT DRIVE	BELT GUARD	BIRD SCREEN	OUTLET GUARD	DRAIN	GRAVITY BDD	MOTORIZED DAMPER	ROOF CURB	VIBRATION ISOLATION	ROOF PROTECTION SYS.	UNIT MTD. DISC. SW.	ALL ALUMINUM	SPECIAL COATING	WEATHER COVER	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES		
EF-7	ROOF ARCHITECTURE	PHLEBOTOMY/FREEZER COLD RM	700	0	ROOF VENTILATOR	1.20 in-wg	N/A	N/A	N/A	DIRECT DRIVE	0"	1725	10.6	N/A	N/A	1/2	1725	115	1	NO	NO	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	50	GREENHECK	G-098-VG			
SAF-4	AHU-4 SUPPLY	BUILDING	31,500	575	FAN WALL	2.50 in-wg	4.85	I	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	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO	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		MAX. FINS PER INCH	ENTERING AIR TEMPERATURE		LEAVING AIR TEMPERATURE		CIRCULATING FLUID				MIN. TUBE VELOCITY (FPS)	MAX. TUBE VELOCITY (FPS)	COIL CONNECTION SIZE (IN.)	COIL COATING	DESIGN REFERENCE		NOTES	
			TOTAL	SENSIBLE						WIDTH (IN.)	HEIGHT (IN.)		DB (°F)	WB (°F)	DB (°F)	WB (°F)	FLUID	GPM	ENTERING (°F)	LEAVING (°F)					MAX. W.P.D. (FT. HD.)	MANUFACTURER		MODEL
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	2.63	2.5	NONE	NORTEK	5WC-6-54X98X6-8CU	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	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	CARTRIDGES			DESIGN REFERENCE		NOTES
					INITIAL	FINAL				QUANTITY	SIZE (IN.)	ARRANGEMENT (W X H)	MANUFACTURER	MODEL	
FF	AHU-4	31,500	8	475	0.0	1.0	CARTRIDGE	FINAL FILTER	FRAME	20	(20)24X24X12	4X5	AAF	VARICEL RF	
PF	AHU-4	31,500	8	475	0.0	1.5	PLEATED	INITIAL FILTER	FRAME	20	(20)24X24X12	4X5	AAF	SC-M8	