

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
														MANUFACTURER	MODEL	
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	TEM TROL	CUSTOM BUILT UP	

BCA

BSA LifeStructures
2700 Via Fortuna, Suite 400
Austin, TX 78746
12.531.9075 fx 866.990.3272

www.bsalifestructures.com
Architectural Registration Number - BR-1590
Engineering Registration Number - E-7421



FAN SCHEDULE		WHEEL	MOTOR			DESIGN REFERENCE																							
LOCATION	AREA SERVED	CFM	OUTLET VEL (FPM)	FAN TYPE	E.S.P. (IN. WG)	T.S.P. (IN. WG)	FAN CLASS	ARRANGEMENT	TYPE	MIN. DIA. (IN.)	FAN RPM	FAN SONES	MAX. BHP	EMERGENCY FLOW	ACCESS DOOR	BELT DRIVE	BIRD SCREEN	OUTLET GUARD	ROOF CURB	VIBRATION ISOLATION	MOTORIZED DAMPER	GRAVITY BDD	UNIT MTD. DISC. SW.	WEATHER COVER	SPECIAL COATING	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
EF-6	ROOF	RESTROOMS	700	0	ROOF VENTILATOR	1.20 in-wg	N/A	N/A	DIRECT DRIVE	0"	1725	11.3	N/A	NO	No	No	Yes	No	No	No	No	50	GREENHECK	G-099-VG					
EF-7	ROOF	PHLEBOTOMY/FREESER COLD RM	270	0	ROOF VENTILATOR	1.00 in-wg	N/A	N/A	DIRECT DRIVE	0"	1725	10.6	N/A	NO	No	No	Yes	No	No	No	No	50	GREENHECK	G-098-VG					
RAF-4	AHU-4 RETURN	BUILDING	25,600	575	FAN WALL	1.00 in-wg	1.45	2X2 ARRAY	DIRECT DRIVE	22"	1750	N/A	7.5 EACH	60.4 Hz	Yes	No	Yes	No	Yes	No	Yes	Yes	2,409	NORTEK	HPF-A100	1,2,3			
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	6 FANS @ 7.5 HP EACH	Yes	No	Yes	No	Yes	No	Yes	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				DESIGN REFERENCE		NOTES						
			TOTAL	SENSIBLE						WIDTH (IN.)	HEIGHT (IN.)		DB (°F)	WB (°F)	MIN. TUBE VELOCITY (FPS)	MAX. TUBE VELOCITY (FPS)	COIL CONNECTION SIZE (IN.)	COIL COATING	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	2.5	NORTEK
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	NORTEK	5WC-2-54X99X1-7AL	1

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	14	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	

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	05/05/2020	PR-05