

Plot Date: 3/14/2025 1:57:34 PM

G	FOUR-PIPE FAN COIL UNIT (FCU) SCHEDULE																																				
	TYPE	ASSOCIATED UNITS	UNIT ARRANGEMENT	SUPPLY FAN				WATER COOLING COIL										WATER HEATING COIL								FILTER		ELECTRICAL			NOTES						
				AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN.W.G.)	BRAKE POWER (Hp)	MOTOR POWER (Hp)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	Cv	ACV ASSEMBLY SIZE	MAX. PRESSURE DROP (FT)			EAT (°F)	LAT (°F)	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	Cv	ACV ASSEMBLY SIZE	MAX. PRESSURE DROP (FT)			TYPE	MERV	VOLTAGE	HZ	PHASE	
1	FCU-110, FCU-116, FCU-157, FCU-161, FCU-162, FCU-167, FCU-168, FCU-169, FCU-172, FCU-173, FCU-174, FCU-207, FCU-208, FCU-209, FCU-212, FCU-216, FCU-222, FCU-223, FCU-224, FCU-234, FCU-236, FCU-242, FCU-246, FCU-253, FCU-257, FCU-260, FCU-261, FCU-263, FCU-279	HORIZONTAL CONCEALED	200	0.4	0.1	0.1	78.0	64.0	61.2	58.1	0.5	44.0	57.2	1/2"	0.4	1/2"	5.0	3.6	8.6	68.0	80.0	0.5	110	101	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)	
F	2	FCU-126, FCU-127, FCU-128, FCU-132, FCU-152, FCU-153, FCU-164, FCU-165, FCU-204, FCU-220, FCU-240, FCU-241, FCU-247, FCU-250, FCU-255, FCU-264, FCU-265, FCU-266, FCU-267, FCU-268, FCU-269, FCU-285	HORIZONTAL CONCEALED	300	0.4	0.1	0.2	78.0	64.0	57.5	56.3	1.1	44.0	55.6	1/2"	1.3	3/4"	5.0	1.4	6.4	68.0	79.6	0.8	110	102	1/2"	1.3	1/2"	5.0	1.4	6.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	3	FCU-117, FCU-118, FCU-120, FCU-214, FCU-273, FCU-274	HORIZONTAL CONCEALED	1050	0.4	0.3	0.5	78.0	64.0	60.3	58.0	2.8	44.0	57.0	1/2"	2.2	3/4"	5.0	4.3	9.3	68.0	80.1	1.4	110	92	1/2"	1.3	3/4"	14.3	3.1	17.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	4	FCU-112, FCU-146, FCU-154, FCU-163, FCU-166, FCU-176, FCU-211, FCU-228, FCU-229, FCU-231, FCU-252, FCU-254, FCU-256, FCU-277	HORIZONTAL CONCEALED	550	0.4	0.2	0.2	78.0	64.0	60.1	57.6	1.6	44.0	56.5	1/2"	1.3	3/4"	5.0	4.2	9.2	68.0	78.5	0.8	110	96	1/2"	1.3	3/4"	5.0	1.4	6.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	6	FCU-218	HORIZONTAL CONCEALED	500	0.4	0.1	0.2	78.0	64.0	60.7	58.2	1.2	44.0	58.0	1/2"	1.3	3/4"	5.0	2.1	7.1	68.0	92.3	3.1	110	103	1/2"	2.2	3/4"	13.5	4.3	17.8	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	7	FCU-171, FCU-187, FCU-276	HORIZONTAL CONCEALED	350	0.4	0.1	0.2	78.0	64.0	62.5	60.1	0.5	44.0	59.8	1/2"	0.4	1/2"	5.0	3.6	8.6	68.0	87.8	1.5	110	101	1/2"	1.3	3/4"	5.0	3.1	8.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	8	FCU-156, FCU-158	HORIZONTAL CONCEALED	600	0.4	0.2	0.3	78.0	64.0	68.2	61.1	0.5	44.0	64.6	1/2"	0.4	1/2"	5.0	3.6	8.6	68.0	83.4	1.3	110	96	1/2"	1.3	3/4"	5.0	3.1	8.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	9	FCU-137, FCU-219, FCU-283	HORIZONTAL CONCEALED	350	0.4	0.1	0.2	78.0	64.0	63.3	59.6	0.6	44.0	59.4	1/2"	0.4	1/2"	5.0	8.1	13.1	68.0	82.9	0.6	110	94	1/2"	0.4	1/2"	5.0	8.1	13.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	10	FCU-235	HORIZONTAL CONCEALED	750	0.4	0.2	0.3	78.0	64.0	61.2	58.9	1.9	44.0	55.3	1/2"	1.3	3/4"	5.0	5.5	10.5	68.0	74.7	0.5	110	87	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	11	FCU-226	HORIZONTAL CONCEALED	350	0.4	0.1	0.2	78.0	64.0	62.8	59.0	0.7	44.0	58.0	1/2"	0.4	1/2"	5.0	8.1	13.1	68.0	80.6	0.5	110	92	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	12	FCU-102A, FCU-102B, FCU-227, FCU-233	HORIZONTAL CONCEALED	550	0.4	0.2	0.2	78.0	64.0	61.8	59.3	0.9	44.0	59.9	1/2"	1.3	3/4"	5.0	1.4	6.4	68.0	78.5	0.5	110	86	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8) (9)
	15	FCU-100, FCU-115, FCU-202	HORIZONTAL CONCEALED	600	0.4	0.2	0.3														68.0	83.8	1.3	110	96	1/2"	1.3	3/4"	5.0	3.1	8.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (5) (6) (7) (9)
	E	NOTES: 1. PROVIDE LOCKABLE, FUSIBLE DISCONNECT. SIZE FUSE AT 1.75 X FLA OF UNIT 2. EXTERNAL STATIC PRESSURE INCLUDES FILTER, AND DUCTWORK NOT IN CASING 3. ACV ASSEMBLY INCLUDES AUTOMATIC CONTROL VALVE, LINE SIZE BALANCING VALVE, STRAINER, 2 ISOLATION VALVES, AND 6 ACV SIZE ELBOWS 4. COOLING COIL SHALL BE SELECTED BASED ON ENTERING AND LEAVING AIR TEMPERATURES 5. PROVIDE FACTORY PROGRAMMED ECM FAN MOTOR 6. PERFORMANCE BASED ON DESIGN ALTITUDE OF 6,115 FT 7. COOLING COIL PERFORMANCE BASED ON 100% WATER 8. HEATING COIL PERFORMANCE BASED ON 40% PROPYLENE GLYCOL MIXTURE																																			

BLOWER COIL (BCAH) SCHEDULE																																							
TYPE	ASSOCIATED UNITS	UNIT ARRANGEMENT	SUPPLY FAN				WATER COOLING COIL												WATER HEATING COIL												FILTER		ELECTRICAL			NOTES			
			AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN. W.G.)	BRAKE POWER (Hp)	MOTOR POWER (Hp)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	Cv	ACV ASSEMBLY SIZE	MAX. PRESSURE DROP (FT)			EAT (°F)	LAT (°F)	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	ACV SIZE (IN)	Cv	ACV ASSEMBLY SIZE	MAX. PRESSURE DROP (FT)			TYPE	MERV	VOLTAGE	HZ	PHASE				
																	COIL	ACV	TOTAL									COIL	ACV	TOTAL									
1	BCAH-124, BCAH-125, BCAH-138, BCAH-150B	HORIZONTAL CONCEALED	800	0.5	0.6	1.0	78.0	64.0	59.3	57.2	2.19	44.0	60.0	1/2"	1.3	3/4"	5.0	6.9	11.9	68.0	90.3	1.9	110	94	1/2"	1.3	3/4"	5.0	5.5	10.5	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
2	BCAH-230A, BCAH-230B	HORIZONTAL CONCEALED	2300	0.5	1.4	1.5	78.0	64.0	58.2	56.2	9.60	44.0	55.4	3/4"	5.5	1 1/4"	5.0	7.6	12.6	68.0	74.7	1.3	110	95	1/2"	1.3	3/4"	5.0	3.1	8.1	PLEATED MEDIA	8	460	60	3	(1) (2) (3) (4) (5) (6) (7) (8)			
3	BCAH-104, BCAH-179, BCAH-180, BCAH-181, BCAH-182	HORIZONTAL CONCEALED	950	0.5	0.9	0.9	78.0	64.0	58.7	56.1	3.46	44.0	58.1	1/2"	2.2	3/4"	5.0	5.8	10.8	68.0	85.3	1.1	110	88	1/2"	1.3	3/4"	5.0	1.4	6.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
4	BCAH-106, BCAH-119, BCAH-143, BCAH-188	HORIZONTAL CONCEALED	1200	0.5	0.6	1.0	78.0	64.0	59.9	57.8	2.95	44.0	60.0	1/2"	2.2	3/4"	5.0	4.3	9.3	68.0	75.9	0.8	110	94	1/2"	0.4	1/2"	5.0	8.1	13.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
5	BCAH-135, BCAH-136, BCAH-139, BCAH-140A, BCAH-140B	HORIZONTAL CONCEALED	1600	0.5	0.7	1.0	78.0	64.0	58.0	56.7	5.09	44.0	58.0	3/4"	5.5	1"	5.0	1.9	6.9	68.0	86.8	5.0	110	100	3/4"	5.5	1"	5.0	1.9	6.9	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
6	BCAH-147, BCAH-150A, BCAH-155	HORIZONTAL CONCEALED	1200	0.5	0.6	1.0	78.0	64.0	58.4	56.4	4.08	44.0	57.9	1/2"	2.2	1"	5.0	7.6	12.6	68.0	75.1	0.6	110	90	1/2"	0.4	1/2"	5.0	8.1	13.1	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
7	BCAH-108A, BCAH-108B, BCAH-108C, BCAH-131, BCAH-217, BCAH-271, BCAH-272	HORIZONTAL CONCEALED	1900	0.5	0.9	1.0	78.0	64.0	59.2	57.2	4.26	44.0	62.7	1/2"	5.5	1"	5.0	9.7	14.7	68.0	74.0	0.9	110	94	1/2"	1.3	3/4"	5.0	1.4	6.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
8	BCAH-160, BCAH-210	HORIZONTAL CONCEALED	1200	0.5	0.6	1.0	78.0	64.0	60.6	58.6	2.49	44.0	61.0	1/2"	1.3	3/4"	5.0	8.5	13.5	68.0	79.2	2.0	110	100	1/2"	1.3	3/4"	5.0	5.5	10.5	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
9	BCAH-109A, BCAH-109B, BCAH-213, BCAH-237, BCAH-239A, BCAH-239B	HORIZONTAL CONCEALED	1600	0.5	0.7	1.0	78.0	64.0	59.3	58.0	3.75	44.0	60.0	1/2"	2.2	1"	5.0	7.6	12.6	68.0	77.3	0.9	110	85	1/2"	1.3	3/4"	5.0	1.4	6.4	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
10	BCAH-177, BCAH-206	HORIZONTAL CONCEALED	700	0.5	0.4	0.5	78.0	64.0	58.9	57.2	1.89	44.0	60.0	1/2"	1.3	1/2"	5.0	5.5	10.5	68.0	79.7	0.5	110	85	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
11	BCAH-105, BCAH-115, BCAH-175, BCAH-238A, BCAH-238B, BCAH-113C	HORIZONTAL CONCEALED	800	0.5	0.5	1.0	78.0	64.0	61.8	59.7	1.00	44.0	68.0	1/2"	1.3	1/2"	5.0	1.4	6.4	68.0	90.8	2.0	110	95	1/2"	1.3	3/4"	5.0	5.5	10.5	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
12	BCAH-170	HORIZONTAL CONCEALED	1800	0.5	0.9	1.0	78.0	64.0	58.2	56.7	5.72	44.0	58.2	3/4"	5.5	1"	5.0	2.7	7.7	68.0	79.2	1.8	110	92	1/2"	1.3	3/4"	5.0	5.5	10.5	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
13	BCAH-111A, BCAH-111B, BCAH-114A, BCAH-114B	HORIZONTAL CONCEALED	1200	0.5	0.6	1.0	78.0	64.0	59.9	57.8	2.95	44.0	60.0	1/2"	2.2	3/4"	5.0	4.3	9.3	68.0	74.9	0.5	110	89	1/2"	0.4	1/2"	5.0	3.6	8.6	PLEATED MEDIA	8	115	60	1	(1) (2) (3) (4) (5) (6) (7) (8)			
14	BCAH-112A, BCAH-112B, BCAH-113A, BCAH-113B	HORIZONTAL CONCEALED	2650	0.5	1.0	1.0	88.0	58.0	55.6	46.0	9.33	44.0	60.0	3/4"	7.5	1 1/4"	5.0	4.1	9.1	3.0	56.3	9.3	110	82	3/4"	7.5	1 1/4"	5.0	4.1	9.1	PLEATED MEDIA	8	460	60	3	(1) (2) (3) (4) (5) (6) (7) (8)			
NOTES: 1. EXTERNAL STATIC PRESSURE INCLUDES FILTER, AND DUCTWORK NOT IN CASING 2. ACV ASSEMBLY INCLUDES AUTOMATIC CONTROL VALVE, LINE SIZE BALANCING VALVE, STRAINER, 2 ISOLATION VALVES, AND 6 ACV SIZE ELBOWS 3. COIL SHALL BE SELECTED BASED ON ENTERING AND LEAVING AIR TEMPERATURES. 4. PROVIDE FACTORY PROGRAMMED ECM FAN MOTOR 5. PERFORMANCE BASED ON DESIGN ALTITUDE OF 6,115 FT 6. COOLING COIL PERFORMANCE BASED ON 100% WATER 7. HEATING COIL PERFORMANCE BASED ON 40% PROPYLENE GLYCOL MIXTURE 8. PROVIDE LOCKABLE DISCONNECT																																							

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PLAN DESIGNATION	TYPE	SERVICE	DESIGN AIRFLOW (CFM)	FAN ESP (IN. W.G.)	RPM	DRIVE TYPE	MOTOR POWER (Hp)	ELECTRICAL			SOUND LEVEL (SONES)	ACCESSORIES	NOTES
								VOLTAGE	HZ	PHASE			
EF-01	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-02	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-03	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-04	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-05	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-06	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-07	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-08	EXHAUST FAN	HIGH BAY VEHICLE EXHAUST	240	5.0	3450	DIRECT	0.75	460	60	3	46		(1) (2)
EF-214	INLINE CENTRIFUGAL	BREAK ROOM 214 EXHAUST	70	0.3	900	DIRECT	0.04	115	60	1	2	(A) (C)	(1) (3)
EF-238	INLINE CENTRIFUGAL	SECURE NETWORK CONTROLLER EXHAUST	4,000	0.5	1385	DIRECT	2	460	60	3	17.2	(A) (B)	(1)

PLAN DESIGNATION	SERVICE	TYPE	DESIGN AIRFLOW (CFM)	MAXIMUM FREE AREA VELOCITY (FPM)	MINIMUM FREE AREA (FT²)	MAXIMUM AIR PRESSURE DROP (IN. W.G.)	FACE WIDTH (IN)	FACE HEIGHT (IN)	NOTES
LVR-01	AHU-1 EXHAUST AIR	STATIONARY	5,530	900	6.1	0.1	84"	24"	(1) (2) (3)
LVR-02	AHU-2 EXHAUST AIR	STATIONARY	4,320	900	4.8	0.1	60"	24"	(1) (2) (3)
LVR-03	AHU-3 OUTDOOR AIR	STATIONARY	10,000	500	17.2	0.1	84"	60"	(1) (2) (3)
LVR-04	AHU-3 EXHAUST AIR	STATIONARY	10,500	900	11.7	0.1	60"	54"	(1) (2) (3)
LVR-05	238 EXHAUST AIR	STATIONARY	4,000	900	4.4	0.1	48"	30"	(1) (2) (3)
LVR-06	112 EXHAUST AIR	STATIONARY	1,000	900	1.1	0.1	30"	18"	(1) (2) (3)
LVR-07	112 GEN EXHAUST AIR	STATIONARY	7,925	900	8.8	0.1	36"	66"	(1) (2) (3)
LVR-08	113 GEN EXHAUST AIR	STATIONARY	7,925	900	8.8	0.1	36"	66"	(1) (2) (3)
LVR-09	113 EXHAUST AIR	STATIONARY	1,000	900	1.1	0.1	30"	18"	(1) (2) (3)
LVR-10	214 EXHAUST AIR	STATIONARY	65	300	0.2	0.1	12"	12"	(1) (2) (3)

PLAN DESIGNATION	TYPE	LOCATION	GAS INPUT FLOW (CFH)	HEATING OUTPUT (MBH)	AIRFLOW (CFM)	FLUE SIZE (IN.)	COMBUSTION AIR SIZE (IN.)	MOTOR POWER (HP)	RPM	ELECTRICAL				NOTES
										VOLTAGE	HZ	PHASE		
UH-G-01	SEPERATED COMBUSTION PROPELLER FAN TYPE	121 HIGH BAY	60	49.8	769	4"	4"	0.03	1550	115	60	1	(1) (2) (3)	
UH-G-02	SEPERATED COMBUSTION PROPELLER FAN TYPE	121 HIGH BAY	60	49.8	769	4"	4"	0.03	1550	115	60	1	(1) (2) (3)	
UH-G-03	SEPERATED COMBUSTION PROPELLER FAN TYPE	121 HIGH BAY	60	49.8	769	4"	4"	0.03	1550	115	60	1	(1) (2) (3)	
UH-G-04	SEPERATED COMBUSTION PROPELLER FAN TYPE	121 HIGH BAY	60	49.8	769	4"	4"	0.03	1550	115	60	1	(1) (2) (3)	

PLAN DESIGNATION	TYPE	SYSTEM	FLOW RATE (GPM)	CUT IN PRESSURE (PSI)	CUT OUT PRESSURE (PSI)	TANK VOLUME (GAL)	MOTOR POWER (Hp)	ELECTRICAL			NOTES
								VOLTAGE	HZ	PHASE	
GMU-1	SIMPLEX	COMFORT CHILLED WATER PRIMARY	1.70	40.0	65.0	50	0.33	115	60	1	(1) (2) (3) (4)
GMU-2	SIMPLEX	IT CHILLED WATER PRIMARY	1.70	40.0	65.0	50	0.33	115	60	1	(1) (2) (3) (4)
GMU-3	SIMPLEX	HEATING WATER	1.70	40.0	65.0	50	0.33	115	60	1	(1) (2) (3) (4)

[illegible]

 BENHAM CONSULTANTS	 Stanley Consultants	DESIGNED BY:	ISSUE DATE:
		A. KERN	03/14/2023
		APPROVED BY:	CONTRACT NO.:
		J. KOENIG	W9128F25RA019
		CHECKED BY:	CONTRACT NO.:
		P. BREUER	W9128F21D0024
		SUBMITTED BY:	FILE NUMBER:
		P. BREUER	
		ANSLD:	
		FILE NAME:	

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MECHANICAL SCHEDULES - SHEET 5

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