

CENTRAL STATION AIR HANDLING UNIT SCHEDULE

BASIS OF DESIGN:

UNIT TAG	UNIT LOCATION	AREA SERVED	UNIT AIRFLOW CAPACITY			SUPPLY FAN / MOTOR DATA								PRE FILTER DATA				FINAL FILTER DATA				REMARKS:				
			DESIGN CFM	SELECT CFM (10% ADD)	OA CFM	FAN TYPE	DRIVE TYPE	DESIGN FAN RPM	MAX FAN RPM	FAN QUANTITY	TSP (IN WC)	ESP (IN WC)	VFD (HP)	MOTOR (HP)	MOTOR (VOLTS)	MOTOR (PHASE)	MOTOR (RPM)	TYPE	THICKNESS	EFFICIENCY	PRESS DROP CLEAN/DIRTY		TYPE	THICKNESS	EFFICIENCY	PRESS DROP CLEAN/DIRTY
AHU-53	MECH ROOM C306L-1	RECOVERY SUITE	4,500	5,000	820	PLENUM	DIRECT	3773	3930	1	6.25	4.5	10	10	460	3	3500	FLAT	2 INCH	MERV 8	0.25 / 1.0	-	-	-	- / -	FOR UNIT SELECTION
			3,300	-	400			-			-	-														-

1. DESIGN CFM INCLUDES THE SUM OF ALL DIFFUSERS (NO DIVERSITY)
2. OA CFM IS FOR SELECTING THE COIL PERFORMANCE WHERE OA TAB IS FOR AIR BALANCING WORK
3. SELECT CFM INCLUDES 5% FOR AIR LEAKAGE AND AN ADDITIONAL 5% FOR SAFETY FACTOR
4. TSP INCLUDES THE STATIC PRESSURE LOSS OF ALL AHU COMPONENTS AND INLET/OUTLET LOSSES
5. ESP INCLUDES THE EXTERNAL STATIC PRESSURE LOSS OF ALL DUCTWORK AND CONNECTIONS
6. FILTERS PRESSURE DROP DATA IS PROVIDED IN INCHES OF WATER COLUMN (IN WC)
7. PROVIDE ALL FILTER SIZES TO BE 12X24 AND/OR 24X24
8. PROVIDE SIDE ACCESS FOR PRE AND AFTER FILTER SECTIONS. PROVIDE FRONT LOAD ACCESS FOR FINAL FILTERS

COOLING COIL DATA													REMARKS:
COIL TYPE	AIRFLOW CFM	MAX FACE VEL FPM	MIN SENS CAP MBH	MIN LAT CAP MBH	EAT / *FDB / *FWB	LAT / *FDB / *FWB	EWT *F/ LWT *F	MAX ROWS/ FPI	MAX APD IN-WC	MAX WPD FT-WC	WATER FLOW GPM		
CHW	4,500	450	132	69	77.6/66.3	51.0/50.8	42/57	8/10	1.0	10	29	FOR UNIT SELECTION	
	3,300	-	-	-	-	-	-				-	-	-

FILTER HOUSING UNIT SCHEDULE

UNIT TAG	FH-SA-53	-	REMARKS:
SUPPLY AIR (CFM)	4,500	-	-
FACE VELOCITY (FPM)	500	-	-
MANUFACTURER	FLANDERS AAF	-	NOTE 1
MODEL #	SURESEAL 25W10H	-	NOTE 1
DIMENSIONS (LxWxH)	60"x27"x24"	-	-
MAX WEIGHT	150 LBS	-	-
CLEAN PRESSURE DROP	0.75 IN-WC	-	-
DIRTY PRESSURE DROP	1.50 IN-WC	-	-
PRE FILTER MEDIA	MERV 11	-	4" DEEP
POST FILTER MEDIA	MERV 14	-	12" DEEP

NOTES:

1. LISTED MANUFACTURER AND MODEL IS BASIS OF DESIGN.

AIR TERMINAL UNIT SCHEDULE

BASIS OF DESIGN: SIEMENS ZCU

UNIT TAG	AIR HANDLING UNIT	AIR FLOW (CFM)			MIN HEATING CAP MBH	COIL CONDITIONS							UNIT SIZE (INLET)	UNIT SIZE (OUTLET)	REMARKS:
		MAX.	MIN.	HEAT		COIL ROWS	MIN EAT(°F)DB	MIN LAT(°F)DB	MAX APD (IN.)	EWT(°F)	WPD(FT.HD.)	FLOW(GPM)			
ATU-3C.1	AHU-53	340	340	340	10.9	1	50	80	1.0	180.0	1.0	1.1	6	12x8	-
ATU-3C.2	AHU-53	340	340	340	10.8	1	50	80	1.0	180.0	1.0	1.1	6	12x8	-
ATU-3C.3	AHU-53	570	570	570	18.0	1	50	80	1.0	180.0	1.0	1.8	8	12x10	-
ATU-3C.4	AHU-53	490	490	490	15.7	1	50	80	1.0	180.0	1.0	1.6	8	12x10	-
ATU-3C.5	AHU-53	200	200	200	6.5	1	50	80	1.0	180.0	1.0	0.6	6	12x8	-
ATU-3C.6	AHU-53	200	200	200	6.5	1	50	80	1.0	180.0	1.0	0.6	6	12x8	-
ATU-3C.7	AHU-53	430	430	430	13.7	1	50	80	1.0	180.0	1.0	1.4	8	12x10	-
ATU-3C.8	AHU-53	300	300	300	9.5	1	50	80	1.0	180.0	1.0	1.0	6	12x8	-
ATU-3C.9	AHU-53	440	440	440	13.9	1	50	80	1.0	180.0	1.0	1.4	8	12x10	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

1. THE CONTRACTOR SHALL PROVIDE AS TURN KEY PACKAGE COMPLETE WITH PIPING AND CONTROLS.
2. FULL SIZE SHEET METAL DUCT CONNECTIONS ON INLET AND OUTLET. NO FLEXIBLE DUCT.
3. NO AIR TERMINAL UNIT INLET SIZE SHALL BE LESS THAN 6 INCHES IN DIAMETER.

MISCELLANEOUS FANS SCHEDULE

BASIS OF DESIGN: COOK SQN

MARK	LOCATION	SERVICE	AHU ASSOCIATION	FAN TYPE	AIRFLOW RATE (CFM)	FAN TSP (IN WC)	MAX FAN SPEED (RPM)	DESIGN FAN SPEED (RPM)	FAN DRIVE TYPE	FAN WHEEL CHARACTERISTICS			FAN DISCHARGE DIRECTION	DAMPER TYPE	MOTOR POWER (HP)	NOISE LEVEL (SONES)	MOTOR ELECTRICAL				REMARKS:	
										WHEEL TYPE	MIN WHEEL DIA (IN)	FAN CLASS					MOTOR SPEED (RPM)	MOTOR VOLTAGE (V)	MOTOR PHASE	MOTOR ENCLOSURE TYPE		VFD INCL (Y/N)
EF-53	TOILET C306A-1	GENERAL EXHAUST	AHU-53	INLINE EXHAUSTER	400	0.5	1710	1550	DIRECT	BI	-	2	HORIZONTAL	BACKDRAFT	1/6	7.6	1550	120	1	TENV	N	-

1. PROVIDE FAN WITH INTEGRAL DISCONNECT.
2. PROVIDE UNIT WITH INTEGRAL BACKDRAFT DAMPER.
3. PROVIDE UNIT WITH SPRING ISOLATORS FOR SUSPENDING FROM ABOVE-CEILING STRUCTURE.

FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONSULTANTS:

ENGINEER-OF-RECORD
MARK G. HERTZ
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ARCHITECT/ENGINEERS:

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Drawing Title
MECHANICAL SCHEDULES

Approved: Project Director

Project Title
**RENOVATE WARD 3C FOR
CARDIOLOGY EQUIPMENT
INSTALLATION**

Location
GAINESVILLE, FLORIDA

Date
MARCH 9, 2018

Checked
MGH

Drawn
MGH

Project Number
573-CSI-102

Building Number
1

Drawing Number
MH600

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Office of
Construction
and Facilities
Management

