

PLUMBING FIXTURE SCHEDULE												
DESIG.	COMMENTS	PIPE SIZE (INCHES)				WATER SUPPLY FIXTURE UNITS (NPS B.5.2/IPC E103.3)				DRAINAGE FIXTURE UNITS (IPC 709.1)	DESCRIPTION	
		WASTE	VENT	TRAP REQ'D	CW	HW	CW	HW	TOTAL			
	<varies>	<varies>	1 1/2"	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>
FFD-2"	FUNNEL FLOOR DRAIN	2"	2"	2"	0"	0"	0	0	0	0		
HB	Hose Bib				3/4"	1/2"	1	1	2	1		
LAV-1	LAVATORY	2"	1 1/2"	1 1/4"	1/2"	1/2"	1	1	2	1	WALL HUNG, ADA	
LAV-1A	LAVATORY	2"	1 1/2"	1 1/4"	1/2"	1/2"	1	1	2	1	WALL HUNG, ADA	
SH-1	SHOWER/TUB	2"	1 1/2"	2"	3/4"	3/4"	1.5	1.5	0	2	ADA	
SH-1A	SHOWER	2"	1 1/2"	2"	3/4"	3/4"	1.5	1.5	0	2	ADA	
SK-1	SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	1	1	1.5	2	COUNTERTOP, MAKE FINAL CONNECTIONS TO DISHWASHER	
SK-1A	SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"	1	1	1.5	2	COUNTERTOP, ADA, MAKE FINAL CONNECTIONS TO DISHWASHER	
WS-1	WASHING MACHINE BOX	2"	1 1/2"	1 1/2"	1/2"	1/2"	3	3	4	3		
WC-1	WATER CLOSET	3"	1 1/2"	1 1/4"	1/2"	1/2"	10	0	10	4	FLUSH VALVE	
WC-1A	WATER CLOSET	4"	1 1/2"	1 1/4"	1/2"	1/2"	10	0	10	4	FLUSH VALVE, ADA	
WS-1	WATER SUPPLY			1 1/2"	1/2"	1/2"	3	3	4	3		

WATER HEATER SCHEDULE - ELECTRIC (WH-*)						
NO.	KW	GALLONS	SETPOINT		ELECTRICAL	
			TEMPERATURE (°F)	EFFICIENCY (EF)	VOLTS	HZ
WH-1	4.5	38	140	0.95	240 V	60 Hz
WH-2	4.5	45	140	0.95	240 V	60 Hz
WH-1	4.5	45	140	0.95	240 V	60 Hz

LOW-BOY STYLE FOR STACKED CLOSETS 26.5" DIAMETER X 34" TALL MAX.
TALL STYLE FOR SIDE BY SIDE CLOSETS 20.5" DIAMETER
SIZING CALCULATION REFERENCE: IECC 2021 R405.5.2(1)
1 BR = (30*10"/11)(1+0.05)=38 GALLON
2 BR = (30*10"/11)(1+0.05)=47.5 GALLON

UNIT HEATER SCHEDULE (CUH-*)						
Type Mark	HEATING CAPACITY (KW)	BASIS OF DESIGN		ELECTRICAL		COMMENTS
		MANUFACTURER	VOLTS	PHASE	HZ	
CUH-1	3	QMARK	240 V	1	60	RECESSED WALL HEATER

CONDENSING UNIT SCHEDULE (CU-*)											
Type Mark	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH) @ 5°F	EFFICIENCY		BASIS OF DESIGN	ELECTRICAL					COMMENTS
			SEER2	HSPF2		MANUFACTURER	MCA	MAX FUSE AMPS	VOLTS	PHASE	
CU-1	18	18	15.5	8.5	FRUITSU TRANE MITSUBISHI	13.75	20	240 V	1	60 Hz	CONNECT TO AHU-1, 240V, 1 PH, 20A, MATCH CONDENSING UNIT SIZE.
CU-L	24	24	15.5	8.5	FRUITSU TRANE MITSUBISHI	13.75	20	240 V	1	60 Hz	CONNECT TO AHU-L, 240V, 1 PH, 20A, MATCH CONDENSING UNIT SIZE.

NOTES:
1. NOTICE OF REFRIGERANT CHANGES FROM 410A. CONTRACTOR SHALL SELECT EQUIVALENT EQUIPMENT USING NEW AVAILABLE STANDARDS. THERE IS NO ANTICIPATED DESIGN IMPACT FOR THIS PROJECT BETWEEN DIFFERENT REFRIGERANT TYPES.
2. IF NOT COLD CLIMATE RATED, SUPPLEMENTAL ELECTRIC HEAT IS REQUIRED, 3 KW.
3. MUST BE ENERGY STAR CERTIFIED.
4. PROVIDE WITH MERV 8 FILTERS

VENTILATION SCHEDULE (ASHRAE 62.1) - LEASING CENTER																			
LOCATION				AREA (SF)	VOLUME (CF)	OCCUPANCY DENSITY (#/1000SF)	OCCUPANCY	OUTSIDE AIR DATA					EXHAUST AIR DATA (ASHRAE 62.1/IMC 403)					TOTAL CFM RECD	PRESS.
#	NAME	SPACE TYPE	LEED IEQ1 - CO2 SENSORS REQ'D/25 PEOPLE / 1000 SF					PER PERSON (Pp)	PER AREA (Pa)	0 = ZERO FLOW PERMITTED IN STANDBY W/ OCC SENSOR	OA MINIMUM	ASHRAE 62.1 CFM (R+Rq)	QTY FIXTURES	CFM / FIXTURE	CFM / SF	CFM RECD FOR SF			
Level 1																			
LC14	LOUNGE AREA	Lounge / Recreation	532	4583	25	14	Yes	5	0.08	0	0	102	0	0	0				
LC15	OFFICE	Office Space Enclosed	131	1159	5	1	Yes	5	0.08	0	0	13	0	0	0				
LC16	TOILET	Toilet - Public	66	563	0	0	Yes	0	0	1	0	1	50	0	0	50		NEG	
LC17	CORRIDOR	Corridors	61	492	0	0	Yes	0	0.08	0	0	4	0	0	0				
			790									118				50			

ENERGY RECOVERY VENTILATOR SCHEDULE (ERV-*)						
Type Mark	MAX AIRFLOW (CFM)	ELECTRICAL			BASIS OF DESIGN	
		VOLTS	PHASE	HZ	MANUF.	MODEL
ERV-1	50	120	1	60	PANASONIC	WHISPER COMFORT

AIR DEVICE SCHEDULE									
NO.	MAX CFM	DESCRIPTION	NOMINAL SIZE		NECK SIZE		INLET/NECK SIZE	MAX N.C. LEVEL	FINISH
			LENGTH	WIDTH	LENGTH	WIDTH			
RT	0 CFM	TAMARAC RETURN AIR PATHWAY	6	12	6	12	12"x6"		
S1	355 CFM	SUPPLY REGISTER	12	6	12	6	12"x6"	18	#26 FINISH
S3	355 CFM	SUPPLY REGISTER	12	6	12	6	12"x6"	18	#26 FINISH

FAN SCHEDULE (F-*)									
Type Mark	MAX AIRFLOW (CFM)	ELECTRICAL			AIR HANDLER BASIS OF DESIGN			COMMENTS	Weight
		VOLTS	PHASE	HZ	MANUF.	MODEL			
F-1	80	120	1	60	BROAN	AEROSOL		2.8 CFM/WATT, NOTES 1 & 2	
F-2	120	120	1	60				2.8 CFM/WATT, ENERGY STAR - SEE ARCHITECTURAL SPECS	

NOTES:
1. PROVIDE FAN SWITCH WITH HUMIDISTAT AND TIMER.
2. TEST AIRFLOWS AND SET TIMER TO THE REQUIRED RUNTIME BELOW BELOW.

DWELLING UNIT VENTILATION REQUIREMENTS (ASHRAE 62.2 TABLE 4-1A)

UNIT A 45 CFM
UNIT B 45 CFM
UNIT C 45 CFM
UNIT D 53 CFM

Design as reported on the ENERGY STAR National HVAC Design Report	Tested Flow rate (CFM)	Minimum Required rate (CFM)	Equivalent Flow rate (CFM)	Equivalent Flow rate (CFM)
Unit A unit plan	45	45	45	45
2.6 Continuous Flow rate	45	45	45	45
2.7 Design Flow rate (CFM)	45	45	45	45
2.1.1 Design flow rate per cycle (CFM)	45	120	23	45
2.1.2 Design flow rate (CFM)	45	120	23	45

Design as reported on the ENERGY STAR National HVAC Design Report	Tested Flow rate (CFM)	Minimum Required rate (CFM)	Equivalent Flow rate (CFM)	Equivalent Flow rate (CFM)
Unit B unit plan	45	45	45	45
2.6 Continuous Flow rate	45	45	45	45
2.7 Design Flow rate (CFM)	45	45	45	45
2.1.1 Design flow rate per cycle (CFM)	45	120	23	45
2.1.2 Design flow rate (CFM)	45	120	23	45

Design as reported on the ENERGY STAR National HVAC Design Report	Tested Flow rate (CFM)	Minimum Required rate (CFM)	Equivalent Flow rate (CFM)	Equivalent Flow rate (CFM)
Unit C unit plan	45	45	45	45
2.6 Continuous Flow rate	45	45	45	45
2.7 Design Flow rate (CFM)	45	45	45	45
2.1.1 Design flow rate per cycle (CFM)	45	120	23	45
2.1.2 Design flow rate (CFM)	45	120	23	45

Design as reported on the ENERGY STAR National HVAC Design Report	Tested Flow rate (CFM)	Minimum Required rate (CFM)	Equivalent Flow rate (CFM)	Equivalent Flow rate (CFM)
Unit D unit plan	45	45	45	45
2.6 Continuous Flow rate	45	45	45	45
2.7 Design Flow rate (CFM)	45	45	45	45
2.1.1 Design flow rate per cycle (CFM)	45	120	23	45
2.1.2 Design flow rate (CFM)	45	120	23	45

PROJECT PROJ. NO.: 22-15

Millington Senior Village

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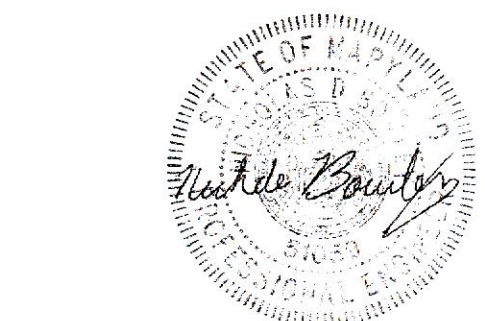
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PROFESSIONAL CERTIFICATION



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 51026, Expiration Date 08-27-2027.

REVISIONS

6/22/2026 8 Permit Set Revisions
1/28/25 4 MEP REVISIONS

DATE NO. EBU

SUBMISSION

100% Construction Documents
PERMIT SET REISSUE
June 22, 2026

DRAWING NAME / NO. SCALE:

MECHANICAL SCHEDULES

M601

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