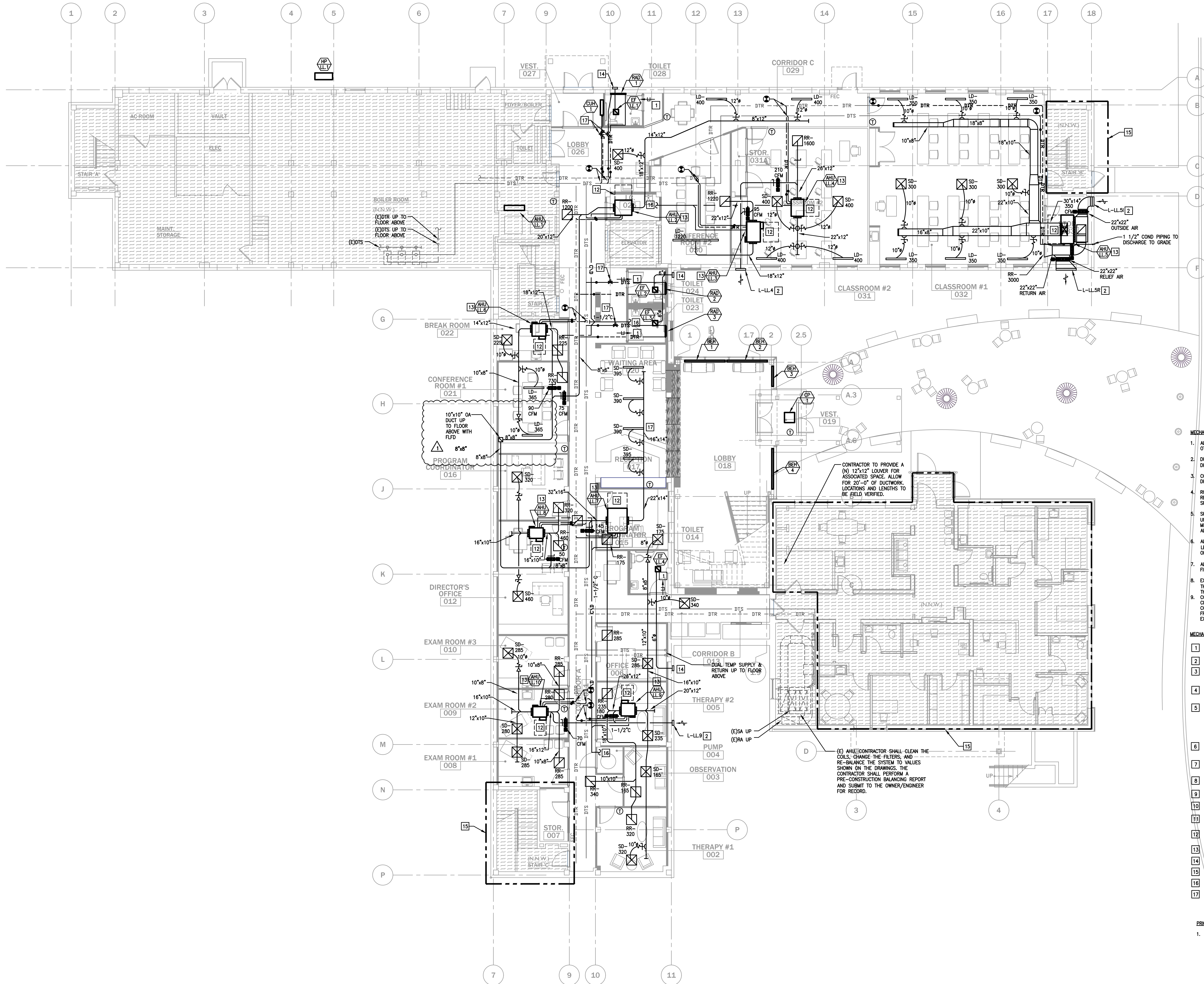


GROUND FLOOR PLAN
SCALE: 1/8"=1'-0"

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSTRUED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT ALL THE DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL BY THE DESIGN PROFESSIONAL OF ANY FUTURE USE. ANY USE OF THIS INFORMATION WITHOUT THE WRITTEN APPROVAL BY THE DESIGN PROFESSIONAL IS AT THE SOLE RISK AND LIABILITY OF THE USER. THE DESIGN PROFESSIONAL RESERVES THE RIGHT TO REMOVE OUR PROFESSIONAL SEAL AND/OR TITLE BLOCK.

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- MECHANICAL NOTES:**
- ALL DUCTWORK SIZES INDICATED ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
 - DUCT SIZES INDICATED ON DRAWING ARE BASED AFTER THE LAST DIFFUSER AND/OR BRANCH TAKE-OFF.
 - CONTRACTOR TO PROVIDE A CLEAN OUT AT EVERY CHANGE IN DIRECTION OF A CONDENSATE LINE AND AT 25 FT. CENTERS.
 - RUN ALL CONDENSATE PIPING TO POINT OF DISCHARGE, PROVIDE REQUIRED AIR GAP AT DISCHARGE POINT. REFER TO PLANS & SPECIFICATIONS FOR SIZES AND REQUIREMENTS.
 - SHARP THROAT, RADIUS HEEL 90 DEGREE FITTINGS ARE UNACCEPTABLE. RADIUS ELBOWS (INNER AND OUTER) OR MITERED ELBOWS WITH TURNING VANES SHALL BE PROVIDED FOR ALL 90 DEGREE ELBOWS.
 - ALL EXHAUSTS AND VENT TERMINALS MUST BE LOCATED AT LEAST 10'-0" FROM FRESH AIR INTAKE TERMINALS AND OPERABLE PORTIONS OF ANY WINDOW.
 - ALL OUTSIDE AIR DUCTWORK SHALL HAVE MINIMUM 2" EXTERNAL FIBERGLASS DUCTWRAP INSULATION.
 - EXHAUST AIR SHALL NOT BE INSULATED UNLESS EXTENDING THROUGH UNCONDITIONED SPACES. PROVIDE 1 1/2" DUCTWRAP THROUGH UNCONDITIONED SPACES.
 - CONTRACTOR SHALL DRAIN THE EXISTING SYSTEM AND FLUSH CLEAN, FURNISH AND INSTALL NEW SHUT-OFF VALVE AT CONNECTIONS TO EXISTING SYSTEM. REFILL SYSTEM, PURGE AIR FROM SYSTEM. CONTRACTOR SHALL INSULATE ALL NEW AND EXISTING PIPING LOCATED WITHIN THE SCOPE OF WORK.
- MECHANICAL NOTES:**
- PROVIDE MINIMUM 3/4" UNDERCUT OF BATHROOM DOOR.
 - OUTSIDE AIR LOUVER. REFER TO SCHEDULE FOR SIZE AND AIRFLOW.
 - NOT USED.
 - 36"x12" OA DUCT UP TO OA INTAKE HOOD ON ROOF. COOK MODEL 24 PR, OR APPROVED EQUAL. PROVIDE BACKDRAFT DAMPERS.
 - MOTORIZED DAMPER (OA). BALANCE MINIMUM POSITION TO XXX CFM. DAMPER SHALL BE:
 - CLOSED DURING UNOCCUPIED HOURS.
 - OPEN AT ITS MINIMUM POSITION DURING OCCUPIED HOURS.
 - FULLY OPEN DURING ECONOMIZER MODE (WHEN OUTSIDE AIR WET BULB TEMPERATURE IS 56F OR LOWER).
 - MOTORIZED DAMPER (RETURN AIR). IT SHALL BE NORMALLY OPEN AND CLOSE WHEN THE UNIT IS ON ECONOMIZER MODE.
 - MOTORIZED DAMPER (RELIEF). IT SHALL BE NORMALLY CLOSED, AND FULLY OPEN WHEN THE UNIT IS ON ECONOMIZER MODE.
 - 24"x24" DUCT UP TO RELIEF HOOD ON ROOF. COOK MODEL 24 PR, OR APPROVED EQUAL. PROVIDE BACKDRAFT DAMPERS.
 - RETURN LOW ON WALL, DUCTED TO AHU. SUPPLY HIGH ON WALL. REFER TO DETAIL.
 - 10"x10" OA DUCT DOWN THRU SLAB TO GROUND LEVEL VENTING.
 - DOUBLE WALL INSULATED SPIRAL DUCTWORK. DUCTWORK SHALL BE CLEANED OF ALL MACHINE OIL SO THE DUCT CAN BE PAINTED IN COLOR SELECTED BY THE ARCHITECT.
 - PROVIDE 36" CLEARANCE FOR MAINTENANCE. NO PIPING IS PERMITTED IN THE HIGHLIGHTED AREA.
 - INSTALL HVAC SYSTEM TO PROVIDE 2,000 MICROWATTS PER CM2 F0 FREE DUCT AREA.
 - 6"Ø WALL CAP. COORDINATE FINISH WITH ARCHITECT.
 - NOT IN SCOPE UNLESS OTHERWISE NOTED.
 - 1-1/2" CONDENSATE TO INDIRECT WASTE RECEPTOR ABOVE THE CEILING.
 - NORMALLY OPEN CONTROL VALVE (2-WAY) SHALL BE TIED TO THE BAS AND BE SHUT DOWN WHENEVER THE DUAL PIPE SYSTEM IS ON COOLING MODE (CHILLERS ON). PROVIDE ACCESS TO VALVE.
- PRICING NOTES:**
- WORK PHASING - IT IS THE INTENTION FOR THE WORK TO OCCUR IN AN OCCUPIED BUILDING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL ADDITIONAL VALVES, BYPASS PIPING, TEMPORARY PANELS, ETC. TO KEEP THE EXISTING SYSTEM IN OPERATION DURING THE DURATION OF THE PROJECT. THE MEANS AND METHODS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER. ALL SHUT DOWNS AND INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER A WEEK IN ADVANCE OF THE WORK.

Sheet Name: GROUND FLOOR PLAN - MECHANICAL	
Progress Prints:	Revisions:
Bld Set 08/09/21	Δ Addendum #1 09/23/21
Construction Issue Date:	Drawn By: AFM/Z/PR
	Checked By:
	Scale: AS NOTED

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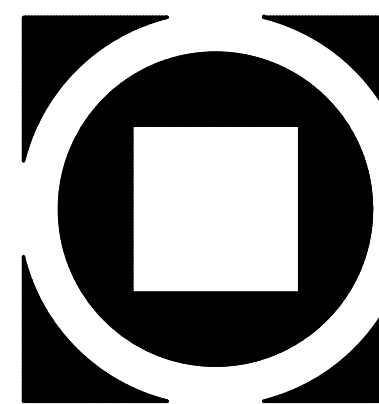
MOUNT SAINT MARY COLLEGE, GUZMAN HALL
COMMUNITY WELLNESS CENTER

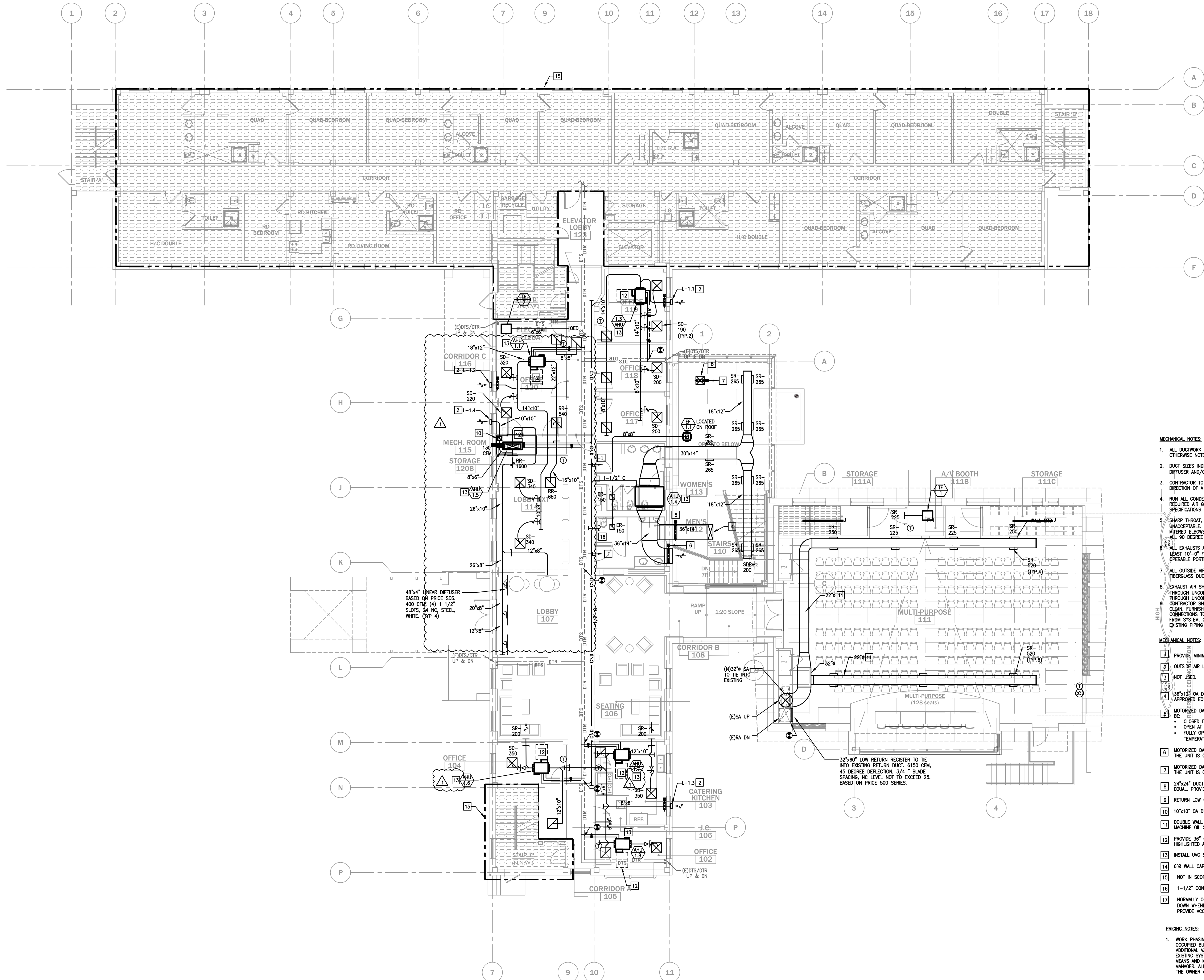
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NEWBURGH, NY 12550



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 13. INSTALL UVC SYSTEM TO PROVIDE 2,000 MICROWATTS PER CM2 FO FREE DUCT AREA.
 14. 6"Ø WALL CAP. COORDINATE FINISH WITH ARCHITECT.
 15. NOT IN SCOPE UNLESS OTHERWISE NOTED.
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DUCTLESS AIR HANDLING

UNIT CONTROL DIAGRAM

SCALE: NONE

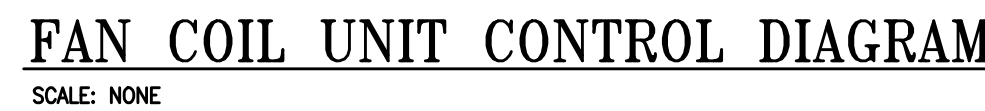
AIR HANDLING UNITS

A. PROVIDE A SPACE TEMPERATURE SENSOR TO ALARM BAS IF SPACE GOES ABOVE OR BELOW SPACE SET POINT.



FAN COIL UNITS

- D. EACH FAN COIL UNIT WILL HAVE A DEDICATED, STAND ALONE DDC CONTROLLER
- E. THE FAN WILL OPERATE CONTINUOUSLY.
- F. DEPENDING UPON THE SYSTEM BEING INDEXED TO EITHER THE HEATING OR COOLING MODE, THE DDC CONTROLLER SHALL MODULATE THE VALVE TO MAINTAIN THE SPACE TEMPERATURE SET POINT.
- G. A LOW TEMPERATURE DETECTION THERMOSTAT, LOCATED AT THE DISCHARGE OF THE FAN COIL, SHALL STOP THE FAN AND OPEN THE DUAL TEMP COIL VALVE UPON SENSING A FREEZE CONDITION.
- H. THE FAN COIL UNIT CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE
- I. FURNISH A CONTROL DAMPER FOR THE OUTSIDE AIR INTAKE WHICH INDICATED ON THE FAN COIL UNIT SHALL STOP THE FAN AND CLOSE THE FAN COIL UNIT IS OPERATING AND CLOSING WHEN THE UNIT IS DE-ENERGIZED.



FAN COIL UNITS

- A. EACH FAN COIL UNIT WILL HAVE A DEDICATED, STAND ALONE DDC CONTROLLER
- B. THE FAN WILL OPERATE CONTINUOUSLY.
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- E. THE FAN COIL UNIT CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE
- F. FURNISH A CONTROL DAMPER FOR THE OUTSIDE AIR INTAKE WHICH INDICATED ON THE UNIT THAT THE FAN COIL UNIT IS OPERATING. THE FAN COIL UNIT IS OPERATING AND CLOSING WHEN THE UNIT IS DE-ENERGIZED.



GENERAL NOTES:

1. THE UV LAMP SHALL BE INSTALLED ON THE SUPPLY DUCTWORK AFTER THE FLEXIBLE CONNECTION TO THE AIR HANDLING UNIT.
2. THE POWER CORD SHALL BE CONNECTED TO A RECEPTACLE WIRED AFTER THE AIR HANDLING UNIT DISCONNECT TO DE-ENERGIZE THE UV LAMP WHEN THE DISCONNECT IS IN THE OFF POSITION.

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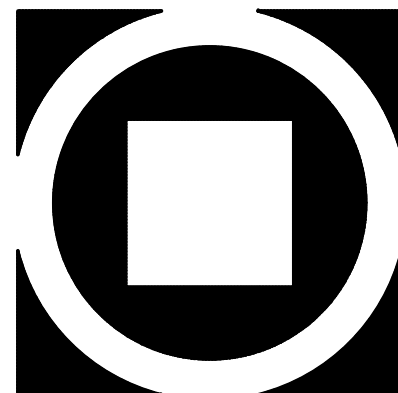
ATC SYMBOLS AND ABBREVIATIONS

AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
T	THERMOSTAT
FS	FLOW SWITCH
DP	DIFFERENTIAL PRESSURE
MS	MOTOR STARTER
M	MOTOR
M	MOTOR OPERATED DAMPER
CP	CONTROL PANEL
VFD	VARIABLE FREQUENCY DRIVE
M	MOTOR
H	HUMIDISTAT
F	FREEZESTAT
S	SMOKE DETECTOR
HT	HEAT DETECTOR

CONTROLS NOTE:
THE MECHANICAL CONTRACTOR SHALL INTEGRATE ALL NEW EQUIPMENT AS NOTED ON THE CONTROL DIAGRAMS TO THE EXISTING JCI CONTROL SYSTEM. THE CONTRACTOR SHALL INCLUDE ALL WIRING, CONDUIT, AND POWER AS REQUIRED FOR A COMPLETE SYSTEM. MOUNT SAINT MARY'S EXISTING VENDOR IS _____.

3

43



KIMMEL BOGGETTE

Architecture + Site

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MOUNT SAINT MARY COLLEGE, GUZMAN HALL
COMMUNITY WELLNESS CENTER

330 POWELL AVE

Construction Issue Date:

Drawn By: AF/MZ/PR

Checked By:

Scale: AS NOTED

Sheet Name: DETAILS & SCHEDULES -

Student Name	Roll Number	Branch	Section
Shreejit K. S.	19BCE0001	MECHANICAL	

Progress Prints:	Revisions:
Bid Set 08/09/21	Addendum #1 09/21

Blg set 08/07/21	△	Address #1 07/
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M2.3

AIR HANDLING UNIT SCHEDULE (AHU)																													
TAG	CONFIGURATION	AIRFLOW (CFM)	OA (CFM)	ESP (in.)	MOTOR TYPE	S&R PIPING CONNECTION (in.)	COOLING							HEATING				ELECTRICAL					UNIT DIMENSIONS L x W x H (IN.)	UNIT WEIGHT (LBS.)	BASIS OF DESIGN		COMMENTS		
							TOTAL CAPACITY MBH	SENS. CAPACITY MBH	EAT DB/WB	LAT DB/WB	COIL ROWS	GPM	Water PD (ft)	EWLT / LWLT (°F)	Total MBH	GPM	Water PD (ft)	EWLT / LWLT (°F)	V/PH	FAN HP	FLA (Amps)	MCA (Amps)			MCOP (Amps)	MANUFACTURER		MODEL	
AHU-LL-2	DIRECT DRIVE HORIZONTAL	1,820	75	0.25	PSC	1.125"	27.8	20.2	75/63	61.0/57.8	4	6.1	0.63	50.0/60.1	139.1	6.1	0.57	170 / 124.3	208/1	(2)1/4	4	4.5	15	68x 33 x 16.75	170	JOHNSON CONTROLS	FNP20	1-16	
AHU-LL-3, 1,1	DIRECT DRIVE HORIZONTAL	1,220	LL-3- 95 1.1- 50	0.25	PSC	0.875"	20.6	20.2	75/63	59.8/57.3	4	4.4	1.89	50.0/60.1	94.0	4.4	1.38	170 / 126.9	208/1	(2) 1/6	2	2.25	15	49 x 33 x 16.75	141	JOHNSON CONTROLS	FNP12	1-16	
AHU-LL-4	DIRECT DRIVE HORIZONTAL	1,800	210	0.25	PSC	1.125"	34.8	31.7	75/63	59.1/56.4	4	7.6	15.73	50.0/60.1	125.1	4.2	4.49	170 / 110.4	208/1	(2) 1/4	4	4.5	15	59 x 33 x 16.75	157	JOHNSON CONTROLS	FNP16	1-16	
AHU-LL-5	DIRECT DRIVE VERTICAL	2,500	350	0.5	ECM	1.375"	71.8	51.8	75/65	56.4/55.6	4	25	3.43	50.0/55.7	189.8	7	0.28	170/114.4	208/1	(2)3/4	14.6	16.43	20	30x68x59	526	JOHNSON CONTROLS	AVD40	1-16	
AHU-LL-6	DIRECT DRIVE HORIZONTAL	956	90	0.25	PSC	0.875"	14.9	14.3	75/63	61.4/57.7	3	3.3	8.8	50.0/60.1	65.4	3.3	6.78	170 / 130.3	208/1	1/4	2	2.5	15	44 x 33 x 16.75	101	JOHNSON CONTROLS	FNP10	1-16	
AHU-LL-7	DIRECT DRIVE HORIZONTAL	1,840	145	0.25	PSC	1.125"	37.7	34.2	75/63	58.2/56	4	8.1	9.4	50.0/60	118.6	3.3	1.54	170 / 98.2	208/1	(2)1/4	4	4.5	15	68x 33 x 16.75	170	JOHNSON CONTROLS	FNP20	1-16	
AHU-LL-8, 1,3	DIRECT DRIVE HORIZONTAL	781	LL-8- 50 1.3- 55	0.25	PSC	0.875"	11.2	11.2	75/63	61.9/58.1	4	2.5	0.75	50.0/60.1	57.3	2.5	0.55	170 / 124.1	208/1	1/4	1.6	2	15	40 x 33 x 16.75	95	JOHNSON CONTROLS	FNP08	1-16	
AHU-LL-9	DIRECT DRIVE HORIZONTAL	1,521	180	0.25	PSC	1.125"	23.6	23.5	75/63	60.9/57.7	4	5.3	1.36	50.0/60.1	113.0	5.3	1.06	170 / 127.3	208/1	(2) 1/4	3.2	3.6	15	54 x 33 x 16.75	150	JOHNSON CONTROLS	FNP14	1-16	
AHU-LL-10	DIRECT DRIVE HORIZONTAL	849	70	0.25	PSC	0.875"	12.4	12.1	75/63	62/58	3	2.8	5.82	50.0/60.1	56.0	2.8	4.12	170 / 130	208/1	1/4	1.6	2	15	40 x 33 x 16.75	95	JOHNSON CONTROLS	FNP08	1-16	
AHU-1.4	BELT DRIVE HORIZONTAL	2,841	80	0.5	-	1.125"	82.8	59.9	75/63	56/55.5	6	16.5	10.08	50.0/60.1	273	16.5	8.67	170/136.1	208/1	1 1/2	1.7	2.13	15	56x68x30	336	JOHNSON CONTROLS	AH140	1-16	
AHU-1.5	DIRECT DRIVE VERTICAL	1,640	130	0.5	ECM	0.875"	36.5	28.0	75/65	59.6/57.8	3	7.6	8.53	50.0/60	88.1	7.6	7.49	170 / 131.6	208/1	(2)1/3	5.6	6.3	15	46 x 18 x 48	134	JOHNSON CONTROLS	FCCB20	1-17	
AHU-1.6, 1,7	DIRECT DRIVE HORIZONTAL	540	LL-6- 26 1.7- 20	0.25	PSC	0.875"	6.0	6.6	75/63	65/59.3	6	1.4	0.2	50.0/60.1	38.7	1.4	0.18	170 / 114.5	208/1	1/6	1	1.25	15	35 x 33 x 16.75	95	JOHNSON CONTROLS	FNP06	1-16	
AHU-1.8	DIRECT DRIVE HORIZONTAL	540	15	0.25	PSC	0.875"	7.3	7.3	75/63	62.6/58.4	4	1.6	0.81	50.0/59.9	37.3	1.6	0.51	170 / 123.3	208/1	1/6	1	1.25	15	35 x 33 x 16.75	95	JOHNSON CONTROLS	FNP06	1-16	

- Comments
- 1

EQUIVALENT BY TRANE, YORK, CARRIER OR APPROVED EQUAL
- 2

DUAL TEMPERATURE COIL
- 3

SINGLE POINT POWER CONNECTION
- 4

ALL UNITS TO BE FURNISHED WITH 2-WAY MODULATING VALVES, EXCEPT THE ONES INDICATED ON THE DT RISER DIAGRAM AS 3-WAY TERMINALS
- 5

INTEGRAL DISCONNECT SWITCH
- 6

PROVIDE A UL LISTED CONDENSATE DETECTION DEVICE ON THE UNITS PRIMARY DRAIN PAN WALL. INTERLOCK SENSOR WITH AIR HANDLER. PROVIDE A SECONDARY PAN UNDER THE HORIZONTAL UNITS
- 7

UNIT FURNISHED PIPING PACKAGE BALANCING VALVE SHUTOFF VALVES (2), STRAINER, UNIONS, NYLON REINFORCED HOSE WITH STAINLESS STEEL OUTER COVERING
- 8

VERTICAL FAN COIL UNIT WALL MOUNTED, WALL MOUNTED THERMOSTAT, SS DRAIN PAN EXTERNALLY INSULATED, FOIL FACE INSULATED.
- 9

HORIZONTAL FAN COIL UNIT CEILING MOUNTED OR SUSPENDED, WALL MOUNTED THERMOSTAT, SS DRAIN PAN EXTERNALLY INSULATED, FOIL FACE INSULATED.
- 10

1" THROWAWAY FILTER
- 11

PROVIDE WITH ACCESS PANEL
- 12

HIGH EXTERNAL STATIC PRESSURE MOTORS
- 13

VIBRATION ISOLATION HANGERS
- 14

INLET/OUTLET DUCT COLLARS
- 15

CONDENSATE PIPING-FURNISH AND INSTALL CONDENSATE PUMP, 120V/1PH. 6 FT. POWER CORD. IMPACT RESISTANT INTEGRAL CHECK VALVE. STAINLESS STEEL MOTOR/PUMP SHAFT. 25GPH. 15 FTHD. 1/30 HP. LITTLE GIANT "VCMA" SERIES OR EQUIVALENT. PUMP SHALL BE HARDWIRED FOR ABOVE CEILING APPLICATIONS.
- 16

INSTALL VAC SYSTEM TO PROVIDE 2,000 MICROWATTS PER CM2 FO FREE DUCT AREA
- 17

BOTTOM RETURN

LOUVER SCHEDULE																
TAG	USE	WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	AIRFLOW (CFM)	FREE AREA (SQ. FT.)	AIR SPEED (FPM)	PRESSURE DROP (IN. W.C.)	WP. VEL* (FPM)	DAMPER	FINISH	SCREEN	MATERIAL	MANUFACTURER	MODEL NO.	COMMENTS
L-1.1	INTAKE	10	8	4	60	0.1	782	0.06	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	OFFICES VENTILATION INTAKE LOUVER
L-1.2	INTAKE	10	8	4	40	0.1	436	0.03	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	OFFICES VENTILATION INTAKE LOUVER
L-1.3	INTAKE	10	10	4	120	0.1	868	0.12	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	OFFICES AND KITCHEN VENTILATION INTAKE LOUVER
L-1.4	INTAKE	10	10	4	120	0.1	868	0.12	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	GROUND LEVEL OFFICES VENTILATION INTAKE LOUVER
L-LL-5i	INTAKE	32	32	4	350 -3000	3.2	937	0.14	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	LOWER LEVEL CLASSROOM #1 VENTILATION INTAKE LOUVER
L-LL-5R	RELIEF	30	30	4	350 -3000	2.8	1,087	0.19	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	LOWER LEVEL CLASSROOM #1 VENTILATION RELIEF LOUVER
L-LL-4	INTAKE	12	12	4	210	0.3	830	0.3	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	LOWER LEVEL CLASSROOM #2 VENTILATION INTAKE LOUVER
L-LL-9	INTAKE	12	12	4	250	0.3	989	0.3	1,025	YES, M.O.D.	BY ARCH.	BIRDSCREEN	ALUMINUM	POTTORF	EDD-445	LOWER LEVEL OFFICES VENTILATION INTAKE LOUVER

- COMMENTS
- 1

PROVIDE INSULATED DRAINABLE PLENUM. REFER TO DETAIL.
- 2

UNLESS OTHERWISE INDICATED, PROVIDE DUCT CONNECTION FROM PLENUM AND 45 DEGREE TRANSITION TO THE FULL SIZE OF DUCT ON DRAWING.
- 3

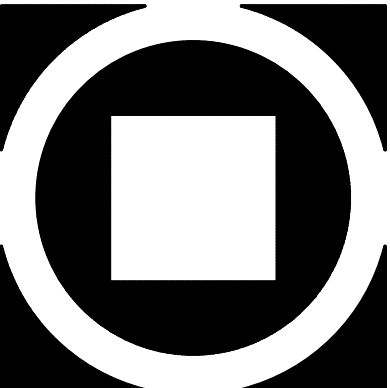
PROVIDE LOUVER FRAMES TO SUIT WALL CONSTRUCTION.
- 4

COORDINATE FINAL LOUVER SELECTIONS AND COLORS WITH ARCHITECT.

* WP. VEL. = WATER PENETRATION VELOCITY PER MANUFACTURERS' LITERATURE

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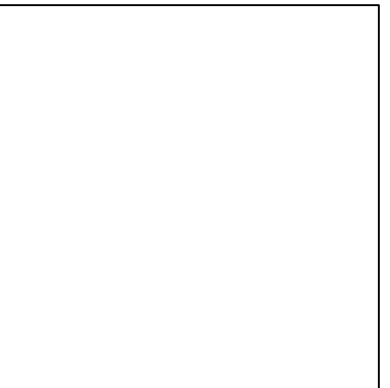
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MOUNT SAINT MARY COLLEGE, GUZMAN HALL

COMMUNITY WELLNESS CENTER

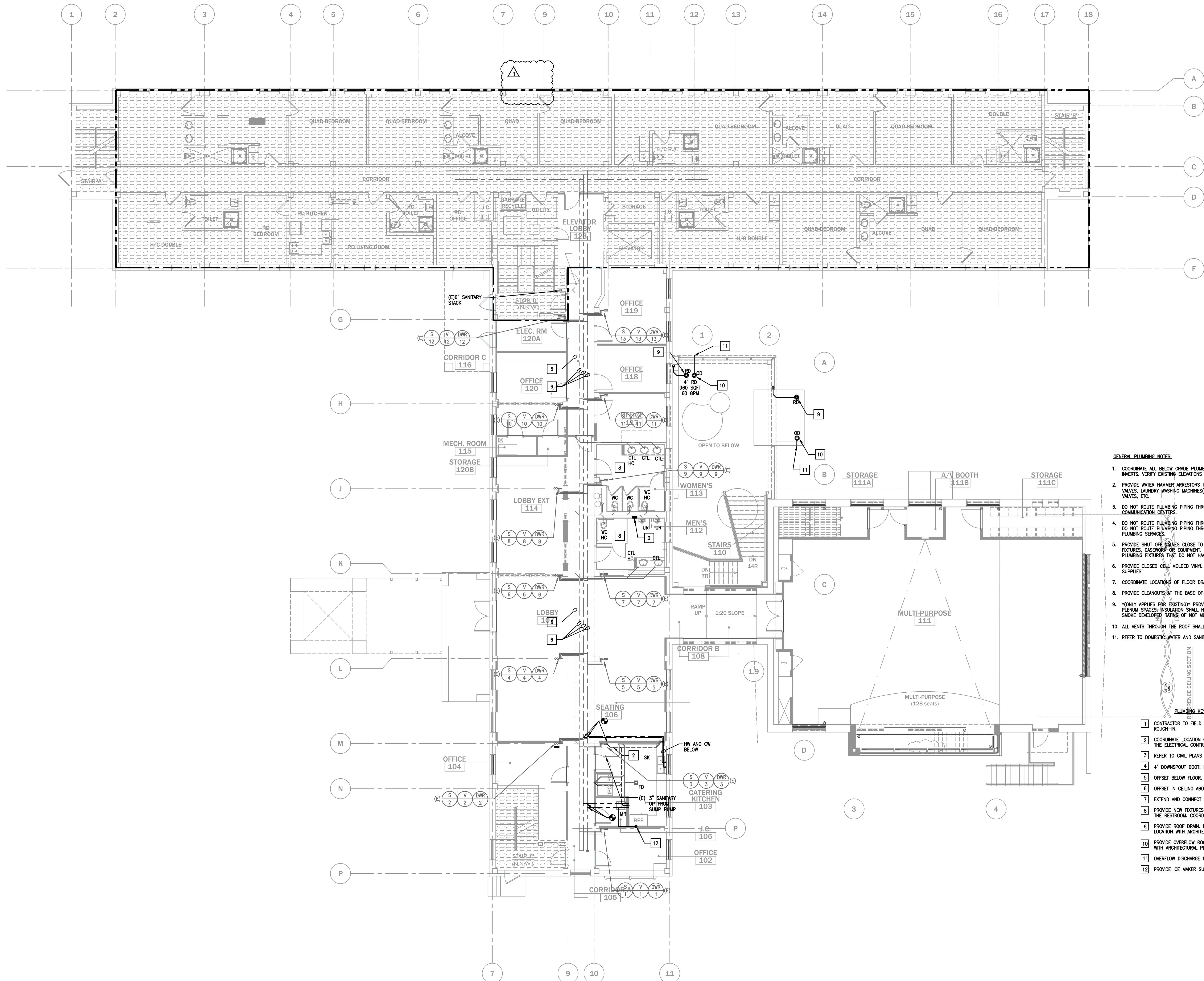
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Sheet Name:MECHANICAL SCHEDULES	Revisions:			
Progress Prints:	Δ Addendum #1 09/23/21			
Bid Set 08/09/21				

M2.6



- GENERAL PLUMBING NOTES:**
- COORDINATE ALL BELOW GRADE PLUMBING PIPING WITH FOUNDATION ELEVATIONS AND SITE UTILITY INVERTS. VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO CONSTRUCTION.
 - PROVIDE WATER HAMMER ARRESTORS IN CONFORMANCE WITH PDJ AND LOCAL ORDINANCES AT FLUSH VALVES, LAUNDRY WASHING MACHINES (COMMERCIAL AND RESIDENTIAL), SOLENOIDS, FAST CLOSING VALVES, ETC.
 - DO NOT ROUTE PLUMBING PIPING THROUGH ELECTRICAL ROOMS, ELECTRICAL CLOSETS, OR DATA COMMUNICATION CENTERS.
 - DO NOT ROUTE PLUMBING PIPING THROUGH ELEVATOR SHAFT UNLESS PIPING IS DEDICATED TO SHAFT. DO NOT ROUTE PLUMBING PIPING THROUGH UTILITY CHASES UNLESS CHASE IS DEDICATED FOR PLUMBING SERVICES.
 - PROVIDE SHUT OFF VALVES CLOSE TO MAINS ON EACH BRANCH AND RISER SERVING PLUMBING FIXTURES, CASEWORK OR EQUIPMENT. PROVIDE SHUT OFF VALVES ON EACH WATER SUPPLY TO PLUMBING FIXTURES THAT DO NOT HAVE SUPPLY STOPS.
 - PROVIDE CLOSED CELL MOLDED VINYL INSULATION ON EXPOSED LAVATORY DRAINS, TRAPS, AND SUPPLIES.
 - COORDINATE LOCATIONS OF FLOOR DRAINS AND ROOF DRAINS WITH ARCHITECTURAL PLANS.
 - PROVIDE CLEANOUTS AT THE BASE OF ALL RAINWATER CONDUCTORS AND SANITARY WASTE STACKS.
 - *ONLY APPLIES FOR EXISTING* PROVIDE NONCOMBUSTIBLE INSULATION ON ALL PLASTIC PIPING IN PLENUM SPACES. INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 IN CONFORMANCE WITH ASTM E 84.
 - ALL VENTS THROUGH THE ROOF SHALL BE MINIMALLY 10'-0" FROM OUTSIDE AIR INTAKES.
 - REFER TO DOMESTIC WATER AND SANITARY RISER DIAGRAMS FOR ADDITIONAL PIPE SIZE INFORMATION.

- PLUMBING KEY NOTES:**
- CONTRACTOR TO FIELD VERIFY SANITARY INVERTS PRIOR TO ROUGH-IN.
 - COORDINATE LOCATION OF FLUSH VALVE TRANSFORMER WITH THE ELECTRICAL CONTRACTOR.
 - REFER TO CIVIL PLANS FOR CONTINUATION.
 - 4" DOWNSPOUT BOOT. REFER TO DETAIL.
 - OFFSET BELOW FLOOR.
 - OFFSET IN CEILING ABOVE.
 - EXTEND AND CONNECT TO EXISTING VENT STACK.
 - PROVIDE NEW FIXTURES IN THE EXISTING LOCATIONS FOR THE RESTROOM. COORDINATE ROUGH IN.
 - PROVIDE ROOF DRAIN. REFER TO DETAIL. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.
 - PROVIDE OVERFLOW ROOF DRAIN. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.
 - OVERFLOW DISCHARGE NOZZLE. REFER TO DETAIL.
 - PROVIDE ICE MAKER SUPPLY BOX.

FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

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