



MECHANICAL SHEET INDEX

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MECHANICAL LEGEND

	SUPPLY AIR CEILING DIFFUSER		CEILING OR INLINE EXHAUST FAN
	RETURN AIR CEILING GRILLE		STANDARD SINGLE DUCT VVT BOX (3"Ø SERVICE CLEARANCE)
	WALL LOUVER / WALL DIFFUSER		THERMOSTAT
	LINEAR DIFFUSER		HUMIDISTAT
	MANUAL VOLUME CONTROL DAMPER		REFRIGERANT SENSOR
	MOTORIZED DAMPER		STATIC PRESSURE SENSOR
	FIRE DAMPER		DUCT SMOKE DETECTOR
	REDUCER OR INCREASER		AP - ACCESS PANEL
	FLEX DUCT		AD - ACCESS DOOR
	EXISTING FLEX DUCT		VOLUME CONTROL DAMPER
	EXISTING DUCTWORK		MANUALLY OPERATED DAMPER
	SUPPLY & OUTSIDE AIR SECTION (UP)		SUPPLY AIR DIFFUSER OR GRILLE DESIGNATION
	SUPPLY & OUTSIDE AIR SECTION (DN)		RETURN/EXHAUST AIR DIFFUSER OR GRILLE DESIGNATION
	RETURN OR EXHAUST DUCT SECTION (UP)		VARIABLE FREQ. DRIVE CONTROL PANEL
	RETURN OR EXHAUST DUCT SECTION (DN)		SUPPLY AIR
	ROUND UP		RETURN AIR
	SHOE TAP DAMPER		DOOR UNDER CUT
	ROOFTOP UNIT		EQUIPMENT TAG
	SOLENOID VALVE		OARTU- OUTSIDE AIR ROOF TOP UNIT
	RELOCATE		RTU- ROOF TOP UNIT
			VARIABLE VOLUME BOX
			EXHAUST FAN

NOT ALL SYMBOLS MAY APPLY TO THESE PLANS

HVAC ABBREVIATION LEGEND

AC	AIR CONDITIONING	MCA	MINIMUM CIRCUIT AMPS (FOR WIRE SIZING)
AFF	ABOVE FINISH FLOOR	MOD	MANUALLY OPERATED DAMPER
BDD	BACK DRAFT DAMPER	MOCF	MAXIMUM OVERCURRENT PROTECTION DEVICE AMPS
CD	CONDENSATE DRAIN	NC	NOISE CRITERIA
COP	COEFFICIENT OF PERFORMANCE	O/A	OUTSIDE AIR
DB	DRY BULB	OB	OPPOSITE BLADE DAMPER
DIA.	DIAMETER	PD	PRESSURE DROP.
E	EXISTING TO REMAIN	R	EXISTING TO BE RELOCATED
EER	ENERGY EFFICIENCY RATIO	R/A	RETURN AIR
EDH	ELECTRIC DUCT HEATER	RLA	RATED LOAD AMPS.
EF	EXHAUST FAN	SEER	STANDARD ENERGY EFFICIENCY RATIO
ESP	EXTERNAL STATIC PRESSURE	TSP	TOTAL STATIC PRESSURE
F	FILTER	VD	VOLUME CONTROL DAMPER
FD	FIRE DAMPER	VD	VARIABLE FREQUENCY DRIVE
FLA	FULL LOAD AMPS.	WB	WET BULB
FMS	FLOW MEASURING STATION		
IPLV	INTEGRATED PART-LOAD VALUE.		

NOTE: NOT ALL SYMBOLS MAY APPLY TO THESE PLANS.

MECHANICAL NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE FLORIDA BUILDING CODE 2023 AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LATEST ADDITION OF THE FOLLOWING PUBLICATIONS: SMACNA-85, 92, 95; ASHRAE 15-01, 54-01, 62-04; NFPA 70-02, 72-02, 90A-02, 90B-02, 91-99, 98-01; ANSI Z10.1-98, Z10.3-98, Z21.8-94, Z21.83-98.
- THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
- THE CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WORK WITH OTHER TRADES.
- THE CONTRACTOR SHALL SUPPLY THE ARCHITECT WITH "AS-BUILT" DRAWINGS.
- CONTRACTOR SHALL SUBMIT, FOR APPROVAL FIVE (5) COPIES OF MANUFACTURER'S DRAWINGS FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.
- ALL MATERIAL SHALL BE NEW OF U.S. MANUFACTURER OF GOOD QUALITY. ALL WORK SHALL BE PERFORMED AT INDUSTRY STANDARD QUALITY LEVEL BY CERTIFIED PROFESSIONALS. ALL EQUIPMENT SHALL BE UL OR ETL LISTED.
ALL INSTALLATIONS SHALL COMPLY WITH FMC 2023, CH. 3, GENERAL REGULATIONS, BUILDINGS LOCATED WITHIN 5,000 FT FROM THE OCEAN SHALL UTILIZE NON-FERROUS MATERIALS FOR ALL OUTDOOR EXPOSED SUPPORTS, STANDS, FASTENERS, ETC.
- DUCTWORK:
A. ALL AIR CONDITIONING DUCT WORK SHALL BE OF 1-1/2" (R-6) HEAVY DUTY FOIL REINFORCED FIBERGLASS WITH MANUFACTURER'S LOGO PRINTED ON VAPOR BARRIER BARRIERS, WITH RIGID WALLS OF MINIMUM LENGTH NOT TO EXCEED WITH METALLIZED INNER AND OUTER FOIL FLEXIBLE DUCTWORK ELBOW SUPPORTS AT EACH DIFFUSER, GRILLE, AND REGISTER EQUAL TO "FLEXFLOW ELBOW" AS MANUFACTURED BY "THERMAFLEX".
C. ALL EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS. ALL OUTSIDE AIR DUCT SHALL BE INSULATED WITH EXTERNAL BLANKET INSULATION R-6 MIN.
ALL METAL EXHAUST, MAKE-UP OR OTHERWISE DUCTS INSTALLED IN LOCATIONS WHERE DEWPOINT CONDITIONS CAN OCCUR INSIDE THE DUCT SHALL BE EXTERNALLY INSULATED WITH R-6 MIN. THE CONTRACTOR SHALL PROVIDE ALL SHEETMETAL DUCTWORK, HANGERS, AUX. SUPPORT STEEL, ETC. ALL METAL DUCTS SHALL BE FABRICATED IN ACCORDANCE WITH LATEST EDITION OF S.M.A.C.N.A.
- SPECIAL NOTE**
SMACNA DUCT PRESSURE CLASSES BASED ON OPERATING PRESSURE ARE: 1/2", 1", 2", 3", 4", 6", AND 10". EACH DUCT SYSTEM SHALL BE CONSTRUCTED FOR THE SPECIFIC DUCT PRESSURE CLASS SHOWN ON PLANS.
WHERE NO PRESSURE CLASS IS SPECIFIED FOR CONSTANT VOLUME SYSTEMS, 1" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS REGARDLESS OF VELOCITY. WHERE NO PRESSURE CLASS IS SPECIFIED FOR VARIABLE VOLUME SYSTEMS, 2" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS FOR DUCTWORK UPSTREAM OF VAV BOXES.
ALL DUCTWORK SHALL BE SEALED TO SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" FOR ITS PRESSURE CLASS SEALING METHODS.
- OUTSIDE AIR INTAKES SHALL BE SCREENED WITH A CORROSION RESISTANT MATERIAL NOT LARGER THAN 1/2" MESH. O/A INTAKES SHALL NOT BE TAKEN FROM A LOCATION CLOSER THAN 10 FT. FROM ANY CHIMNEY, VENT OUTLET OR SANITARY SEWER VENT OUTLET, UNLESS SUCH VENT IS NOT LESS THAN 24 INCHES ABOVE THE OUTSIDE AIR VENT.
OUTSIDE AIR INTAKE VENTS LOCATED ON ROOFS WILL BE PROPERLY MARKED WITH A UNIVERSAL MARKING "INTAKE", PERMANENTLY ATTACHED PER FMC 2023, SEC. 401.5
- DUCT SIZES SHOWN ARE INSIDE DIMENSIONS.
- ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ARCHITECT. DEVICES SHALL BE AS SPECIFIED OR EQUAL TO TITUS OR METALAIRE. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS AS INDICATED ON PLANS. PROVIDE BALANCING DAMPERS FOR ALL SUPPLY AND RETURN DIFFUSERS AND REGISTERS TO ENSURE COMPLIANCE WITH FMC 2023, PAR. 601.5 AND PAR. 603.18 FOR BALANCED AIR FLOW.
- TEMPERATURE CONTROLS/THERMOSTATS:
A. SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO-HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHES. PROVIDE PROGRAMMABLE TYPE AS RECOMMENDED BY MANUFACTURER, HONEYWELL OR EQUAL. PROVIDE TAMPER PROOF COVERS.
- THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER BEFORE INSTALLATION. INSTALL THERMOSTAT 48" TO 54" A.F.F. PER A.D.A REQUIREMENTS WHERE APPLICABLE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL REQUIREMENTS FOR JUNCTION BOXES, CONDUITS, CONTROL WIRING, POWER, ETC. AND DEFINE RESPONSIBILITIES AND SCOPE OF WORK FOR EACH TRADE PRIOR TO ANY PURCHASING OR INSTALLATION.
WHENEVER THERE ARE MORE THAN ONE SENSOR OR THERMOSTAT, SIDE BY SIDE, THEY SHALL BE GANGED TOGETHER WITHIN THE SAME COVER PLATE WHEREVER POSSIBLE.
CONTRACTOR SHALL COORDINATE THIS ISSUE WITH ARCHITECT/OWNER PRIOR TO INSTALLATION AND SHALL BRING ANY DISCREPANCY TO THE ENGINEER'S ATTENTION.
- REFRIGERANT LINES SHALL BE COPPER, TYPE "L", HARD DRAWN WITH WROUGHT COPPER BRAZING-JOINT TYPE FITTINGS, USE BRAZING MATERIALS FOR HIGH PRESSURE PIPING PER AWS A5.8: BCuP SERIES COPPER-PHOSPHORUS ALLOY OR BAq1 SILVER ALLOY. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.
SOFT COPPER TYPE "M" SHALL BE ALLOWED FOR RISER PIPING INSIDE CHASE TO LIMIT NUMBER OF JOINTS. COORDINATE WITH ENGINEER FOR PRIOR APPROVAL.
ALL EXPOSED INSULATION SHALL BE PROTECTED WITH UV RESISTANT PAINT OR ALUMIN. SHIELD.
- ARMAFLEX INSULATION SHALL BE USED FOR SUCTION LINES (1/2" FOR ABOVE 40° F AND 1" FOR BELOW 40° F) PER FLORIDA ENERGY CODE TABLE 4-11 FOR PIPING INSULATION. FILTER/DRYER AND SIGHT GLASS SHALL BE PROVIDED AT LIQUID LINES.
- ALL BRANCH TAKE-OFFS TO BE PROVIDED W/ MANUAL VOLUME DAMPERS. PROVIDE RADIUS ELBOWS WHERE FEASIBLE, SQUARE ELBOWS AND TEE'S SHALL BE FURNISHED W/SINGLE FOIL TURNING VANES. PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE-OFFS. PROVIDE REMOTE, CABLE OPERATED VOLUME DAMPERS IN INACCESSIBLE AND HARD CEILING AREAS, "YOUNG REGULATOR" OR EQUAL.
- PROVIDE NEW MINIMUM MERV 8 FILTERS FOR ALL AIR CONDITIONING EQUIPMENT AND DUCTWORK AT ALL PHASES OF CONSTRUCTION. PRIOR TO START UP, REPLACE AIR CONDITIONING FILTERS WITH NEW MINIMUM MERV 8 FILTERS PRIOR TO FINAL ACCEPTANCE BY OWNER.
- PROVIDE SMOKE DETECTORS WITH SERVICE ACCESS DOORS IN ALL SUPPLY AIR DUCTS FOR FANS AND AHU'S SERVING A COMMON PLENUM OF 2000 CFM OR ABOVE. FOR SMOKE DETECTORS NOT VISIBLE, IN CONCEALED SPACES, PROVIDE REMOTE ANNUNCIATION/TEST STATION AS REQUIRED BY AUTHORITY HAVING JURISDICTION, COORDINATE PRIOR TO INSTALLATION. DETECTORS SHALL BE BY ONE MANUFACTURER, COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM BEFORE ORDERING. UPON DETECTION, SMOKE DETECTORS SHUT DOWN ASSOCIATED AIR MOVING EQUIPMENT AND ALL AIR MOVING EQUIPMENT SERVING THAT COMMON PLENUM.
- PROVIDE TYPE "B" DYNAMIC FIRE DAMPERS WITH SERVICE ACCESS DOORS IN ALL DUCTS AND OPENINGS PENETRATING FIRE RATED WALLS, MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, TENANT SEPARATION, PARTITIONS, FLOOR OR ROOF SLABS AND AT OUTSIDE AIR INTAKES AS REQUIRED. PROVIDE RADIATION DAMPERS IN RATED CEILINGS FOR ALL CEILING OPENINGS, CEILING FANS, DIFFUSERS OR GRILLES RATED FOR USE IN THE CEILING ASSEMBLY. PROVIDE LOW-LEAKAGE CLASS DAMPERS FOR ALL SITUATIONS WHERE THE AIRFLOW CFM HAS TO BE CONTROLLED. VERIFY AND REPLACE AS REQUIRED FOR EXISTING SYSTEMS.
- HVAC CONTRACTOR SHALL PROVIDE A T & B REPORT PER F.B.C. 2023, CH. C408.2.2 (THE T & B REPORT SHALL BE INDEPENDENT FOR SYSTEMS OVER 15 TONS) FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AHU'S AND FANS. THE TEST AND BALANCE REPORT SHALL BE IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES AND EXHAUST GRILLES AND THE LEAVING AND ENTERING AIR TEMPERATURE (T) FROM SUPPLY GRILLES AND EVAPORATORS.
FOR (EXISTING) SMOKE EVACUATION SYSTEMS HVAC CONTRACTOR SHALL PROVIDE A T & B REPORT PRIOR TO ANY NEW WORK, PROVING THAT THE SMOKE EVACUATION SYSTEM PERFORMS PER ORIGINAL DESIGN DOCUMENTS AND IS COMPLIANT WITH LOCAL CODE REQUIREMENTS.
- RUN INSULATED FIRE RATED CONDENSATE DRAINS AS REQUIRED.
- ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 25/50.
- MECHANICAL EQUIPMENT ON ROOF OR ELEVATED STRUCTURES SHALL COMPLY WITH FBC 2023 PAR. 306.5 IF INSTALLED HIGHER THAN 16 FEET A.F.F. MECHANICAL EQUIPMENT INSTALLED IN ATTICS MUST MEET THE REQUIREMENTS OF FBC-ENERGY 2023 PAR. C403.2.7.6 IF THE EQUIPMENT CAN NOT BE SERVICED/REMOVED THROUGH REQUIRED OPENING. MECHANICAL EQUIPMENT SHALL BE PROTECTED WITH MECHANICAL BARRIERS IF EXPOSED TO MECH. DAMAGE. ALL EQUIPMENT SHALL BE INSTALLED ON 6" CONCRETE PAD AT GRADE LEVEL. NOTE: AIR HANDLING UNITS ARE NOT ALLOWED IN COMMERCIAL ATTICS.
- SPECIAL NOTE**
ALL WIND LOAD AND OTHER COMPLIANCE CALCULATIONS AND/OR INSTALLATION DETAILS FOR ROOF MOUNTED EQUIPMENT AS REQUIRED BY FBC 2023, SEC. 1509, 1522 AND CHAPTER 16, SHALL BE PROVIDED BY STRUCTURAL ENGINEER/ARCHITECT.
- PROVIDE A MIN. OF 36" CLEARANCE IN FRONT OF ALL 120-208 VOLT PANELS AND MIN. 42" CLEARANCE IN FRONT OF ANY 240-480 VOLT PANEL. PROVIDE ADEQUATE SIDE CLEARANCE PER NEC.
- MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS SHALL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CHANGES IN DUCTWORK SIZE AND ROUTE WILL BE REQUIRED TO AVOID STRUCTURAL, PLUMBING, FIRE SPRINKLER AND ARCHITECTURAL BUILDING FEATURES. DUCTWORK CHANGES MAY BE MADE BY CONTRACTOR USING EQUIVALENT SIZED DUCT. CONTACT ENGINEER IF DUCT AREA WILL NOT FIT.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT. IN ORDER TO PROVIDE A FULLY INTEGRATED MECHANICAL AND CONTROLS SYSTEMS WITH THE EXISTING ONE, ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS, OR ADDITIONAL CLARIFICATION REQ'D SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO FINAL BIDDING AND WORK.
- NO COMBUSTIBLE MATERIALS ARE ALLOWED IN RETURN AIR PLENUMS OR ABOVE CEILINGS USED AS RETURN AIR PLENUM. IF SPACE WITH RETURN AIR PLENUM HAS ANY DECK TO DECK PARTITIONS, AIR TRANSFER DUCTS MUST BE INSTALLED. WHEN CPVC PIPING IS USED FOR FIRE SPRINKLER SYSTEMS, THE R/A GRILLES LAYOUT SHALL BE (FIELD) COORDINATED WITH SUCH PIPING SO THAT NO PORTION OF THE GRILLES WILL BE DIRECTLY BELOW THE CPVC PIPING.
- CONDENSATE DRAIN PIPING TO BE AS SPECIFIED PER PLUMBING PLANS, IF NOT SPECIFIED TO BE TYPE "L" COPPER OR PVC WHERE ALLOWED BY CODE WITH 1/2" ARMAFLEX INSULATION. PROVIDE APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO AUTOMATICALLY SHUT DOWN THE AIR COND. UNIT, AS A SECONDARY DRAIN SYSTEM TO COMPLY WITH FMC 2023, SEC. 307 SUPPLY CONDENSATE PUMP WHERE NECESSARY AS IMPOSED BY FIELD CONDITIONS OR INSTALLATION CHANGES AND PIPE TO CONDENSATE DRAIN PER PLUMBING PLANS.
- MANUFACTURER'S WARRANTY: CONTRACTOR SHALL PROVIDE WARRANTY FOR A PERIOD OF (1) ONE YEAR AFTER BUILDING C.O. FOR ALL MECHANICAL SYSTEMS, DUCTWORK, CONTROLS ACCESSORIES AND ALL OTHER EQUIPMENT, PARTS AND LABOR UNDER THESE DRAWINGS AND AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE WARRANTY FOR COMPRESSORS FOR (5) FIVE YEARS. ANY REPAIRS REQUIRING SYSTEM SHUTDOWN WILL BE DONE DURING NON-OPERATIONAL PERIODS OR AS AGREED WITH OWNER.
- ON PROJECT SPECIFIED WITH EQUIPMENT UTILIZING HOT GAS REHEAT AND/OR DEHUMIDIFICATION; CONTRACTOR SHALL PROVIDE FACTORY STARTUP OF EQUIPMENT WITHIN THEIR BID. STARTUP REPORT DOCUMENT TO BE PROVIDED TO ENGINEER FOR REVIEW.

COMMISSIONING NOTE

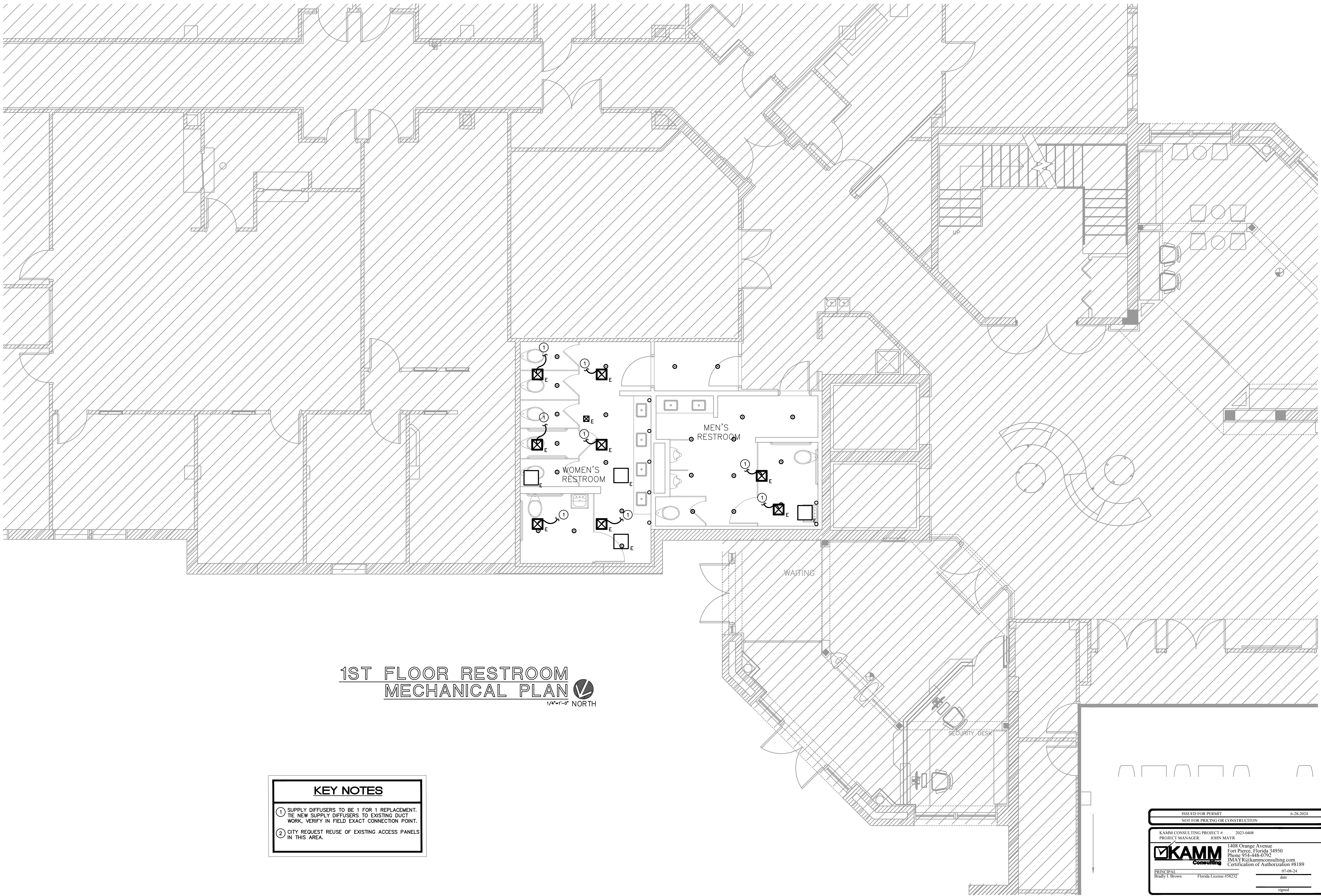
- COMMISSIONING:**
 MECHANICAL SYSTEMS SHALL BE COMMISSIONED IN COMPLIANCE WITH FEC 2023, SEC. C408, WITH THE TWO LISTED EXCEPTIONS. THE OWNER/MECHANICAL CONTRACTOR SHALL PROVIDE TO THE E.O.R. DESIGN PROFESSIONAL ALL NECESSARY DOCUMENTATION REQUIRED BY THE BUILDING OFFICIAL PRIOR TO FINAL INSPECTION, PROVING EVIDENCE OF SYSTEMS COMMISSIONING PER SEC. C408.2.4 AND C408.2.5.
- A COMMISSIONING PLAN SHALL BE COMPLETED AND CERTIFIED BY A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY PER SEC. 408.2.
 - A PRELIMINARY REPORT OF COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY AND PROVIDED TO THE BUILDING OWNER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" PER SEC. C408.2.4.
 - THE COMMISSIONING DOCUMENTS SHALL BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY PER SEC. C408.2.5 AND SHALL INCLUDE: 1) DRAWINGS, 2) MANUALS, 3) SYSTEM BALANCING REPORT, AND 4) FINAL COMMISSIONING REPORT.
 - LIGHTING SYSTEM FUNCTIONAL TESTING: CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3.

- HVAC CONTRACTOR TO VERIFY OPERATION OF EXISTING AC UNITS. CONTRACTOR TO CLEAN EVAPORATOR AND CONDENSER COIL. CHECK CONDENSATE DRAIN PAN AND CONDENSATE DRAIN LINE. SUPPLY TO THE OWNER / ENGINEER A WRITTEN REPORT ON THE OPERATING CONDITION OF THE UNIT. REPORT TO INCLUDE:
- SUCTION AND DISCHARGE REFRIGERANT PRESSURE.
 - CONDENSING TEMPERATURE, EVAPORATOR TEMPERATURE, AND SUPERHEAT.
 - ENTERING AIR TEMP, DISCHARGE AIR TEMP, AND AMBIENT AIR TEMPERATURE AND TOTAL CFM.
 - SUPPLY VOLTAGE.
 - COMPRESSOR - FULL LOAD AMPS, VERIFY 1Ø OR 3Ø.
CONDENSER FAN MOTOR - FULL LOAD AMPS, VERIFY 1Ø OR 3Ø.
EVAPORATOR FAN MOTOR - FULL LOAD AMPS, VERIFY 1Ø OR 3Ø.
 - CHECK ELECTRICAL CONNECTIONS ON ALL CONTACTORS AND OTHER ELECTRICAL COMPONENTS.
 - VERIFY DISCONNECT SIZES AND FUSES.
 - CONTRACTOR TO RESEAL ALL DUCT WORK AND REPAIR LEAKING DUCT PER SMACNA STANDARDS.
 - IF UNIT IS LOW ON REFRIGERANT, CONTRACTOR SHALL LEAK CHECK UNIT. REPORT ANY PHYSICAL DAMAGE TO UNIT. SUPPLY NEW FILTERS.

SPECIAL NOTE TO HVAC CONTRACTOR

NOT TO SCALE

ISSUED FOR PERMIT	6-28-2024
NOT FOR PRICING OR CONSTRUCTION	
KAMM CONSULTING PROJECT # 2023-0408	
PROJECT MANAGER: JOHN MAYR	
1408 Orange Avenue Fort Pierce, Florida 34950 Phone 954-448-0792 JMayr@kammconsulting.com Certification of Authorization #8189	
PRINCIPAL	07-08-24
Brady L. Brown	date
Florida License #58232	date
	signed



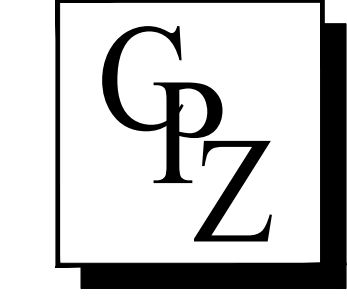
**1ST FLOOR RESTROOM
 MECHANICAL PLAN**
 1/4"=1'-0" NORTH

- KEY NOTES**
- ① SUPPLY DIFFUSERS TO BE 1 FOR 1 REPLACEMENT. THE NEW SUPPLY DIFFUSERS TO EXISTING DUCT WORK. VERIFY IN FIELD EXACT CONNECTION POINT.
 - ② CITY REQUEST REUSE OF EXISTING ACCESS PANELS IN THIS AREA.

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KAMM CONSULTING PROJECT # 2023-0408	
PROJECT MANAGER JOHN MAYR	
1408 Orange Avenue Fort Pierce, Florida 34950 Phone 954-448-0792 J.MAYR@kammconsulting.com Certification of Authorization #8189	
PRINCIPAL Bradley L. Brown	Florida License #58292
07-08-24	date
	signed

Port St. Lucie City Hall
 Restroom Renovations
 121 SW Port St. Lucie Blvd.
 Building A, Port St. Lucie, FL 34984

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DRAWING TITLE:
**MECHANICAL PLAN
 1ST FLOOR
 RESTROOM**

DRAWN TJ
 CHECKED LS
 DATE 05.31.24
 SCALE AS NOTED
 PRJCT # 1960P
 SHEET:

M2.1

