

GENERAL NOTES

1. INSTALL EQUIPMENT AND MATERIALS IN COMPLIANCE WITH MANUFACTURER'S MINIMUM CLEARANCE REQUIREMENTS AND RECOMMENDATIONS.
2. COMPLY WITH THE LATEST EDITIONS OF NFPA AND THE 8TH EDITION OF THE 2023 FLORIDA BUILDING CODE (MECHANICAL, PLUMBING, GAS AND ENERGY CONSERVATION).
3. ALL MATERIALS SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AND CLEARANCES ON BUILDING PLANS PRIOR TO COMMENCING WORK.
4. AN INDEPENDENT TEST AND BALANCE CONTRACTOR (TABC) SHALL BE HIRED BY THE GENERAL CONTRACTOR.
5. TABC IS RESPONSIBLE FOR TESTING AND BALANCING OF AIR SYSTEMS IN ACCORDANCE WITH AABC GUIDELINES. A TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
6. PROVIDE 45 DEGREE BRANCH TAKE-OFF PER SMACNA FIG. 2-8 ON ALL RECTANGULAR DUCT TAKE-OFFS.
7. ALL DUCTWORK TAKE-OFFS AND/OR BRANCH DUCTWORK SHALL BE PROVIDED WITH BALANCING DAMPERS (REMOTE IF IN HARD CEILING AREAS).
8. CONTRACT SHALL MAINTAIN ALL RATED FIRE, SMOKE AND MEMBRANE ASSEMBLIES (EVEN IF NOT NOTED ON PLANS). PROVIDE AND INSTALL FIRE/SMOKE/RADIATION DAMPERS AT ALL RATED PENETRATIONS AND PROVIDE DUCT MOUNTED HINGED ACCESS DOORS. THIS APPLIES FOR ALL FIRE/SMOKE/RADIATION DAMPERS.
9. CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING AND SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO OR INSTALLING EQUIPMENT AND MATERIALS.
10. COORDINATE ALL HVAC SYSTEM DRAWINGS WITH EXISTING/NEW TRUSS TO AVOID INTERFERENCE BETWEEN MECHANICAL SYSTEMS AND ROOF STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRUSS INTERFERENCE THAT OCCURS IN THE FIELD DURING CONSTRUCTION. COORDINATE IN ADVANCE. DUCT SIZES MAY BE REVISED TO FIT TRUSS SYSTEM SO LONG AS THE EQUIVALENT INSIDE CROSS SECTIONAL AREA IS NOT DECREASED.
11. GAUGES AND CONSTRUCTION FOR DUCTWORK SHALL CONFORM TO THE LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS.
12. TRANSITION RECTANGULAR DUCTWORK ON BOTTOM AND SIDES. MAINTAIN TOP OF DUCTWORK LEVEL AND HIGH AS POSSIBLE. FLEXIBLE DUCT RUN-OUTS TO CEILING DIFFUSERS SHALL BE AS STRAIGHT AS POSSIBLE AND FREE OF SAGS AND KINKS. FLEX DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK IT SERVES.
13. ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL BE SMOOTH SQUARE TO ROUND TRANSITIONS. SPIN-IN FITTINGS AT THE END OF CAPPED DUCTS ARE NOT ACCEPTABLE. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
14. THE CONTRACTOR SHALL FULFILL ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHALL COMPLETE THE WORK SHOWN ON THESE DRAWINGS. ALL SYSTEMS SHALL BE FINISHED, TESTED AND BALANCED, ADJUSTED, AND PROVEN TO BE FULLY OPERATIONAL AND USEABLE.
15. ADJUST ALL DIFFUSERS IN CORRIDORS OR WITHIN THREE (3) FEET OF A WALL TO PROVIDE 2-WAY OR 3-WAY BLOW AWAY FROM OR PARALLEL TO WALLS. ALL DIFFUSERS SHALL HAVE 4-WAY BLOW UNLESS NOTED OTHERWISE.
16. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
17. ALL DAMPERS IN AND ABOVE CEILING SHALL BE ACCESSIBLE. CONTRACTOR SHALL COORDINATE ALL ACCESS PANELS IN CEILINGS OR WALLS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR DRAWINGS FOR PROPER LOCATION. REMOVE DUCTS THAT CAN BE INSTALLED ON AIR DEVICES LOCATED WITHIN HARD CEILINGS.
18. MOUNT THERMOSTATS WHERE INDICATED ON PLANS 4'-0" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. IN HANDICAPPED ACCESSIBLE AREAS, MOUNT CONTROLS AT 4'-0" (MAXIMUM) ABOVE FINISHED FLOOR.
19. COORDINATE DUCTWORK AND PIPING WITH PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL EXPENSE TO THE CONTRACT.
20. SEAL ALL TRANSVERSE JOINTS AND FITTINGS WITH DUCT SEALER.
21. TRAP AND ROUTE CONDENSATE DRAINS LINES, FULL SIZE OF UNIT CONNECTION, AS INDICATED. SLOPE 1/8" PER FOOT.
22. ALTERNATE MANUFACTURERS AND MODELS WILL BE REVIEWED. THERE MAY BE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL CHANGES RESULTING FROM THE ALTERNATES. THE COST OF IMPLEMENTING AND ENGINEERING THESE CHANGES SHALL BE BORNE BY THE MECHANICAL SUBCONTRACTOR.
23. PIPE AND DUCT ROUTING SHOWN IS SCHEMATIC. PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
24. COORDINATE CEILING MOUNTED AIR DEVICE LOCATION WITH REFLECTED CEILING PLAN AND OTHER TRADES.
25. ALL CONTROL WIRING AND CONDUIT SHALL COMPLY WITH NEC DIVISION 16 SPECIFICATIONS.
26. PROVIDE MATERIALS WHICH HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN TESTED IN ACCORD WITH ASTM E84.
27. SLEEVE AND FIRE STOP PENETRATIONS THROUGH FIRE RATED SYSTEMS TO MAINTAIN RATING OF SYSTEM. USE MINIMUM GALVANIZED STEEL GAUGE DUCT AS REQUIRED TO MAINTAIN RATING OF SYSTEM.
28. WHERE DRYER EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, IF THE EQUIVALENT LENGTH OF THE DUCT IS MORE THAN 35'-0" IT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
29. CONTRACTOR TO ORDER ALL FIRE/SMOKE DAMPERS WITH INTEGRAL SMOKE DETECTORS AND END STOP INDICATOR OPTIONS. VERIFY VOLTAGE WITH ELECTRICAL DRAWINGS. IF BUILDING IS EQUIPPED WITH FIRE ALARM SYSTEM ALL FIRE/SMOKE DAMPERS WILL BE CONNECTED TO BUILDING FIRE ALARM SYSTEM.
30. ALL MECHANICAL EQUIPMENT SHALL BE THOROUGHLY CLEANED OF ALL DIRT, OIL, CONCRETE, ETC. ANY DENTS, SCRATCHES OR OTHER VISIBLE BLEMISHES SHALL BE CORRECTED AND THE APPEARANCE OF THE EQUIPMENT MADE "LIKE NEW" AND TO THE SATISFACTION OF THE ARCHITECT/ENGINEER. UPON COMPLETION, AND BEFORE FINAL ACCEPTANCE OF THE WORK, ALL DEBRIS, RUBBISH, LEFTOVER MATERIALS, TOOLS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE. PROTECTION OF WORK UNTIL FINAL ACCEPTANCE: PROTECT ALL MATERIALS AND EQUIPMENT FROM DAMAGE, ENTRANCE OF DIRT AND CONSTRUCTION DEBRIS FROM THE TIME OF INSTALLATION UNTIL FINAL ACCEPTANCE. ANY MATERIALS AND EQUIPMENT WHICH ARE DAMAGED SHALL BE REPAIRED TO "AS NEW" CONDITION OR REPLACED AT THE DIRECTION OF THE ARCHITECT/ENGINEER. WHERE FACTORY FINISHES OCCUR AND DAMAGE IS MINOR, FINISHES MAY BE TOUCHED UP. IF, IN THE OPINION OF THE ARCHITECT/ENGINEER THE DAMAGE IS EXCESSIVE, FACTORY FINISH SHALL BE REPLACED TO "NEW" CONDITION.
31. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT AND EXTENT OF WORK. EXACT LOCATIONS AND ARRANGEMENT OF MATERIALS AND EQUIPMENT SHALL BE DETERMINED, WITH THE ACCEPTANCE OF THE ARCHITECT/ENGINEER, AS WORK PROGRESSES TO CONFORM IN THE BEST POSSIBLE MANNER WITH THE SURROUNDINGS AND WITH THE ADJOINING WORK OF OTHER TRADES. WHERE LOCATIONS OF EQUIPMENT, DEVICES OR FIXTURES ARE CONTROLLED BY ARCHITECTURAL FEATURES, ESTABLISH SUCH LOCATIONS BY REFERRING TO DIMENSIONS ON ARCHITECTURAL DRAWINGS AND NOT BY SCALING DRAWINGS.
32. IN CASE OF DIFFERENCES BETWEEN DRAWINGS AND SPECIFICATIONS, OR WHERE DRAWINGS AND SPECIFICATIONS ARE NOT CLEAR OR DEFINITE, THE SUBJECT SHALL BE REFERRED TO ARCHITECT/ENGINEER FOR CLARIFICATION OR INSTRUCTIONS.
33. ANY INTERRUPTION OF EXISTING MECHANICAL AND ELECTRICAL SERVICES SHALL BE COORDINATED IN ADVANCE WITH THE OWNER'S REPRESENTATIVE. THIS INCLUDES, BUT IS NOT LIMITED TO, SERVICES PROVIDING CHILLED WATER, ELECTRICITY, OR OTHER CRITICAL SYSTEMS AS MAY BE PERTINENT TO THIS PARTICULAR PROJECT. SERVICE INTERRUPTION TIMES AND DURATION OF INTERRUPTION OF SERVICES SHALL BE DECIDED BY THE OWNER. PROVIDE APPROPRIATE PROVISIONS (SUCH AS ISOLATION SHUT-OFF VALVES, DAMPERS, END CAPS, AND SIMILAR ITEMS) AS NECESSARY TO ACCOMMODATE THE REQUIRED SERVICE INTERRUPTIONS. IF SHUTDOWNS CANNOT BE ACCOMMODATED, PROVIDE MEANS FOR "WET" TAPPING OR "HOT" TAPPING OF PIPING SYSTEMS.
34. ALL MAIN DUCTWORK SHOWN PER PLAN IS TO BE SHEET METAL. FIBERGLASS DUCT BOARD IS NOT TO BE INSTALLED. UNLESS SPECIFICALLY AUTHORIZED BY THE BUILDING LANDLORD, PROJECT OWNER/AGENT AND MECHANICAL ENGINEER OF RECORD.
35. FIRE AND FIRE/SMOKE DAMPERS ARE REQUIRED TO BE UL LISTED AND APPROVED FOR THE ASSEMBLIES LISTED ON THE ARCHITECTURAL DRAWINGS. THESE DAMPERS MUST ALSO BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING.
36. TOTAL DEVELOPED LINESET LENGTH, INCLUDING HORIZONTAL AND VERTICAL DISTANCE, TO BE VERIFIED WITH CONDENSING UNIT MANUFACTURER PRIOR TO PURCHASE. IF CONDENSING UNIT LOCATIONS EXCEED THE MANUFACTURER'S RECOMMENDED TOTAL LINESET LENGTH VERIFY THAT THE MANUFACTURER HAS AN OPTION TO ALLOW FOR LONG LINESETS AND PROVIDE ACCESSORIES AS REQUIRED.
37. WHERE REFRIGERANT LINES ARE INSTALLED IN STUDS, JOISTS, RAFTERS OR SIMILAR MEMBER SPACES AND LOCATED LESS THAN 12" FROM THE NEAREST EDGE OF THE MEMBER THEY MUST BE CONTINUOUSLY PROTECTED BY SHIELD PLATES PER FMC 1101.3.

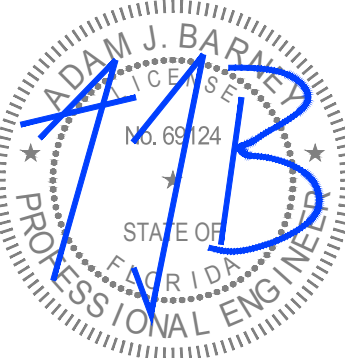
SYMBOL LEGEND

	SUPPLY DIFFUSER		WALL MOUNTED HUMIDITY SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR
	RETURN OR OUTDOOR AIR GRILLE		WALL MOUNTED CO ₂ SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR
	EXHAUST GRILLE		REFERENCE NOTES
	LINEAR SLOT DIFFUSER		EQUIPMENT TAG
	SIDEWALL TRANSFER GRILLE		PHOTO DETAIL OR SECTION IDENTIFICATION TARGET A = DETAIL NUMBER B = SHEET NUMBER ON WHICH DETAIL IS LOCATED
	SIDEWALL SUPPLY REGISTER		AIR DEVICE TAG <u>MARK-CEM</u>
	SIDEWALL RETURN GRILLE OR OUTSIDE AIR LOUVER		1" DOOR UNDER CUT. ARROW INDICATES DIRECTION OF FLOW
	SIDEWALL EXHAUST GRILLE		FLOW DIRECTION
	RADIATION DAMPER INSTALLED IN AIR DEVICE		INDICATES POINT OF CONNECTION BETWEEN NEW AND EXISTING
	RADIATION DAMPER INSTALLED IN DUCT		POINT OF DISCONNECT
	SUPPLY DUCT UP SECTION (RECTANGULAR)		CWS ——— CONDENSER WATER SUPPLY PIPING
	RETURN DUCT UP SECTION (RECTANGULAR)		CWR ——— CONDENSER WATER RETURN PIPING
	EXHAUST DUCT UP SECTION (RECTANGULAR)		BCWS ——— BUILDING CONDENSER WATER SUPPLY PIPING
	SUPPLY DUCT DOWN SECTION (RECTANGULAR)		BCWR ——— BUILDING CONDENSER WATER RETURN PIPING
	RETURN DUCT DOWN SECTION (RECTANGULAR)		CHWS ——— CHILLED WATER SUPPLY PIPING
	EXHAUST DUCT DOWN SECTION (RECTANGULAR)		CHWR ——— CHILLED WATER RETURN PIPING
	SUPPLY DUCT UP SECTION (ROUND)		HWS ——— HOT WATER SUPPLY PIPING
	SUPPLY DUCT DOWN SECTION (ROUND)		HWR ——— HOT WATER RETURN PIPING
	EXISTING DUCTWORK TO REMAIN (LIGHT LINETYPE)		CD ——— CONDENSATE DRAIN PIPING
	RECTANGULAR DUCTWORK WITH TAKE-OFF, BALANCING DAMPER AND INSULATED FLEXIBLE ROUND DUCT. SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE. FIRST DIMENSION IS THAT OF SIDE SHOWN		R ——— REFRIGERANT PIPING
	ROUND DUCTWORK		FS ——— FLOW SENSOR
	CONICAL FITTING WITH DAMPER ON BRANCH CONNECTION TO RECTANGULAR MAIN (PROVIDE DAMPER IN LOW PRESSURE DUCTWORK ONLY)		SP ——— STATIC PRESSURE TRANSMITTER ASSEMBLY
	RECTANGULAR BRANCH DUCT CONNECTION. (PROVIDE BALANCING DAMPER AT ALL BRANCH CONNECTIONS)		TEE (PLAN, UP, DOWN)
	ELBOW WITH TURNING VANES		ELBOW (PLAN, UP, DOWN)
	OPPOSED BLADE VOLUME DAMPER (OBD)		VALVE
	MANUAL DAMPER		TWO WAY MOTORIZED CONTROL VALVE
	FLEXIBLE DUCT CONNECTION		THREE WAY MOTORIZED CONTROL VALVE
	FIRE/RADIATION DAMPER WITH ACCESS PANEL		PRESSURE REDUCING VALVE
	COMBINATION FIRE/SMOKE DAMPER WITH ACCESS PANEL (PROVIDED BY MECHANICAL, CONNECTED BY ELECTRICAL PROVIDE 120V CIRCUIT AND FIRE ALARM CONNECTION IF APPLICABLE)		FLOW CONTROL VALVE
	EXISTING DUCTWORK TO BE REMOVED (DASHED LINETYPE)		SHUT-OFF VALVE
	DUCT MOUNTED SMOKE DETECTOR PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. REFER TO SPECIFICATIONS FOR CONTROL REQUIREMENTS.		BUTTERFLY VALVE
	FLEX DUCT		CHECK VALVE
	OPENING IN WALL ABOVE CEILING		STRAINER
	WALL MOUNTED TEMPERATURE SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR		BALANCE VALVE WITH INTEGRAL TAPS FOR CONNECTION OF DIFFERENTIAL PRESSURE METER. VALVE SHALL HAVE NAMEPLATE INDICATING WATER FLOW RATE VERSUS VALVE PRESSURE DROP
	WALL MOUNTED THERMOSTAT MOUNT 4'-0" ABOVE FINISHED FLOOR		AUTOMATIC FLOW CONTROL VALVE WITH INTEGRAL TEMPERATURE AND PRESSURE TEST PORTS
	WALL MOUNTED CO SENSOR MOUNT 4'-0" ABOVE FINISHED FLOOR		UNION
			VENTURI FLOW METER
		<	

O'LENO STATE PARK
DINING HALL AIR CONDITIONING
High Springs, Florida

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JLC24.0022.00



Adam J Barney

OCTOBER 21, 2024

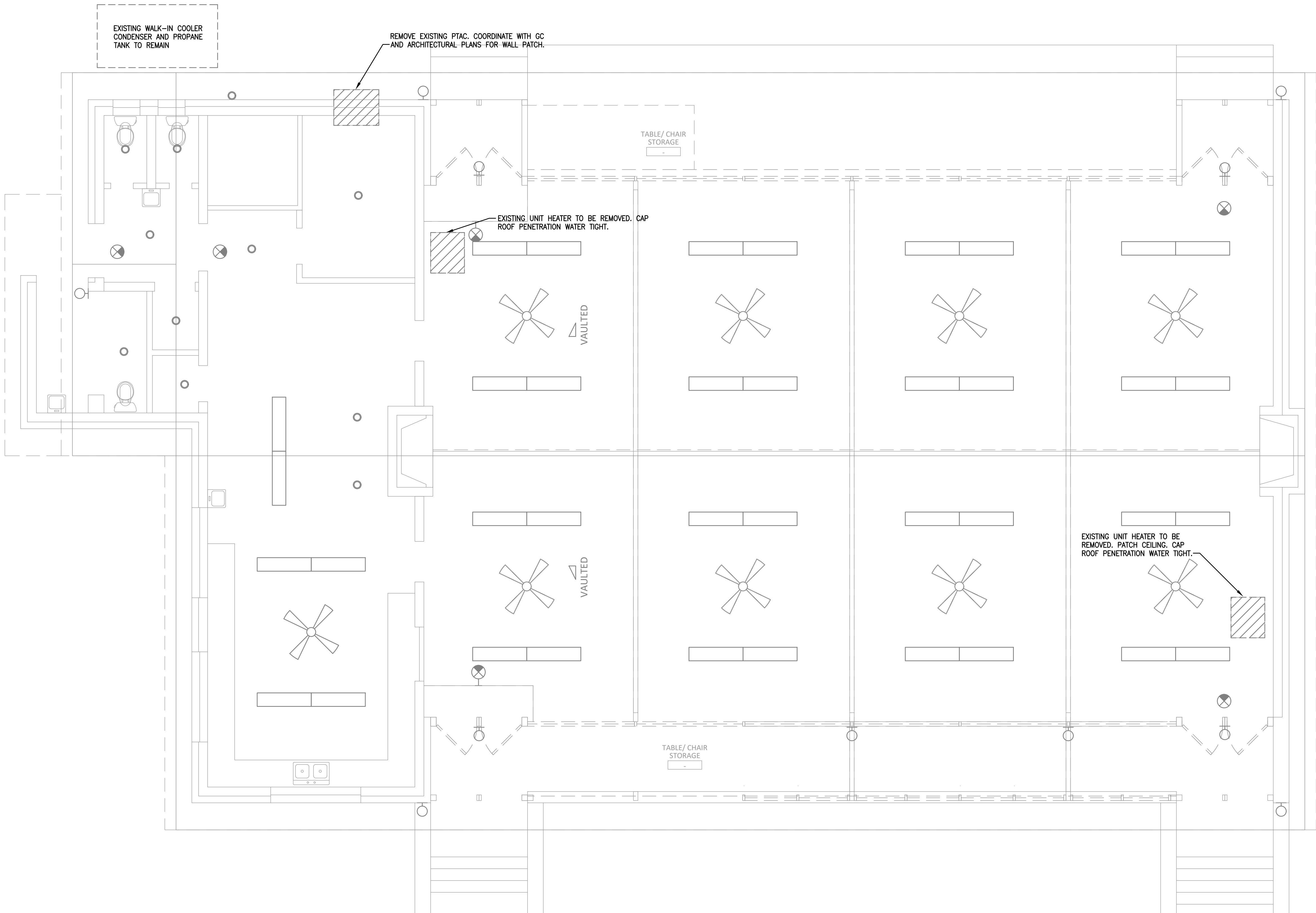
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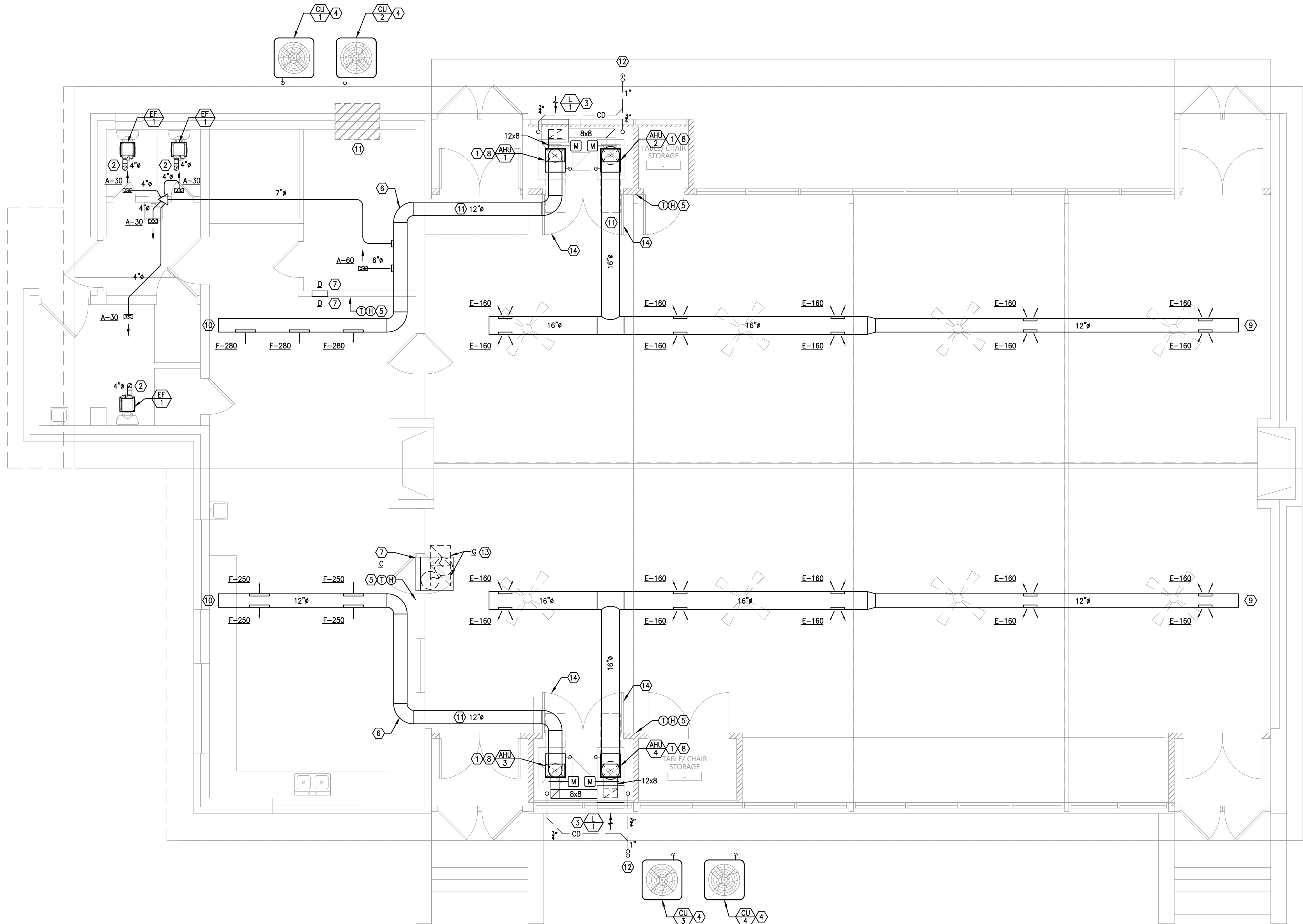
DEMO FLOOR PLAN
MECHANICAL

M1.01

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GENERAL NOTES:

1. ALL EXHAUST OUTLETS SHALL BE FARTHER THAN 3 FEET AWAY FROM ANY OPERABLE WINDOWS.

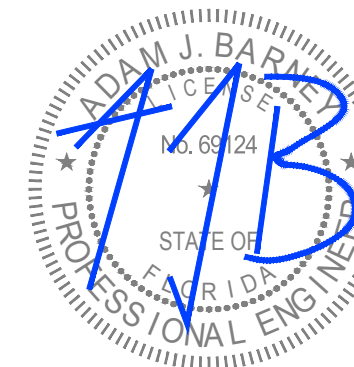
REFERENCE NOTES: (X)

- (1) MOUNT AHU PER DETAIL AND ROUTE REFRIGERANT LINES THRU CEILING SPACE AS REQUIRED AND OUT EXTERIOR WALL TO GROUND MOUNTED CONDENSING UNIT. SEE PLUMBING PLANS FOR CONDENSATE DISPOSAL.
- (2) ROUTE TOILET EXHAUST DUCT FROM CEILING MOUNTED EXHAUST FAN THROUGH CEILING SPACE TO ROOF. TERMINATE DUCT AT ROOF CAP WITH BIRD SCREEN. PRIME COAT AND PAINT WALL CAP TO MATCH BUILDING COLOR.
- (3) PROVIDE FULL SIZE PLENUM BOX FROM INTAKE LOUVER. ROUTE OUTSIDE AIR DUCT FROM AHU UP TO OUTDOOR AIR PLENUM BOX. PROVIDE MOTORIZED DAMPER IN DUCT. COORDINATE FINISH COLOR OF LOUVER WITH ARCHITECT. OUTSIDE AIR DUCT SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY DISCHARGE AIR. PROVIDE WITH INTEGRAL BIRD SCREEN.
- (4) INSTALL CONDENSING UNIT AND HOUSEKEEPING PAD PER DETAIL. CONDENSING UNITS TO BE INSTALLED WITH REQUIRED MANUFACTURER CLEARANCE.
- (5) PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR SPECIFICATION. MOUNT THERMOSTAT 4'-0" ABOVE FINISHED FLOOR.
- (6) TURN UP SUPPLY DUCT TO FOLLOW ROOF PITCH. COORDINATE FINAL HEIGHT OF SUPPLY DUCT WITH STRUCTURE. COORDINATE DUCT ROUTING WITH CEILING FANS.
- (7) RETURN AIR GRILLE, MOUNT AS HIGH AS POSSIBLE.
- (8) PROVIDE FULL SIZE RETURN AIR PLENUM UNDER AIR HANDLER. PROVIDE RETURN AND OUTSIDE AIR BALANCING DAMPERS.
- (9) ATTACH DUCT-MOUNTED SUPPLY DIFFUSERS AT 45 DOWNWARD ANGLE.
- (10) ATTACH DUCT-MOUNTED SUPPLY DIFFUSERS HORIZONTALLY.
- (11) SUPPLY DUCT IN SOFFIT.
- (12) 1" CONDENSATE LINE; GOOSENECK WITHIN GREEN SPACE.
- (13) PROVIDE FULL SIZE PLENUM BOX AND FLEX DUCTS TO SOFFIT MOUNTED TRANSFER GRILLES.
- (14) PROVIDE DOOR LOUVERS, MIN. 2.2 SQFT FREE AREA PER DOOR. COORDINATE WITH GC AND ARCHITECTURAL PLANS.

O'LENO STATE PARK
DINING HALL AIR CONDITIONING
High Springs, Florida

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JLC24.0022.00



Adam J Barney

OCTOBER 21, 2024

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RENO FLOOR PLAN
MECHANICAL

M2.01

DESCRIPTION	FACE SIZE	NECK	MATERIAL	MANUFACTURER & MODEL NO.	NOTES
LOWERED FACE SUPPLY DIFFUSER	8"x4"	SEE PLAN	STEEL	TRUAIRE 401	1., & 2.
LOWERED FACE SUPPLY DIFFUSER	14"x10"	SEE PLAN	STEEL	TRUAIRE 401	1., & 2.
LOWERED FACE RETURN GRILLE	30"x20"	SEE PLAN	STEEL	TRUAIRE 270	1., & 2.
LOWERED FACE RETURN GRILLE	14"x8"	SEE PLAN	STEEL	TRUAIRE 270	1., & 2.
LOWERED FACE SUPPLY DIFFUSER - SPIRAL	12"x6"	SEE PLAN	STEEL	TRUAIRE SF2	1., & 2.
LOWERED FACE SUPPLY DIFFUSER - SPIRAL	18"x6"	SEE PLAN	STEEL	TRUAIRE SF1	1., & 2.
LOWERED FACE RETURN GRILLE	18"x18"	SEE PLAN	STEEL	TRUAIRE 1210	1., & 2.

MINUTE SURFACE FINISHES WITH ARCHITECTURAL DRAWINGS.
SEE FACTORY ORD.

G UNIT SCHEDULE											
ELECTRIC HEATING COIL				SINGLE POINT UNIT ELEC. REQUIREMENTS			UNIT INFORMATION				
VOLTAGE / PHASE	TOTAL KW	HEATER STEPS	VOLTAGE / PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOPC	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	MOUNTING APPLICATION	NOTES
240V / 1Ø	7.5	1	208V / 1Ø	39	40	47.75 x 18.5 x 22	143	LENNOX	CBA25UHV-030	-	-
240V / 1Ø	10	1	208V / 1Ø	52	60	55.75 x 21.5 x 22	179	LENNOX	CBA25UHV-048	-	-
240V / 1Ø	7.5	1	208V / 1Ø	39	40	47.75 x 18.5 x 22	143	LENNOX	CBA25UHV-030	-	-
240V / 1Ø	10	1	208V / 1Ø	52	60	55.75 x 21.5 x 22	179	LENNOX	CBA25UHV-048	-	-

OTHERMOSTAT WITH HUMIDISTAT AND NIGHT SET BACK, FACTORY INSTALLED TXV KIT, AND CONDENSATE OVERFLOW SWITCH.

DX SPLIT AIR HANDLING UNIT SCHEDULE																									
MARK	LOCATION SERVED	FAN					COOLING COIL			FILTERS			ELECTRIC HEATING COIL				SINGLE POINT UNIT ELEC. REQUIREMENTS			UNIT INFORMATION					
		TOTAL AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	EXTERNAL STATIC PRESS. (IN. WG.)	DRIVE TYPE	HP	ENTERING AIR TEMP. (°F DB/WB)	LEAVING AIR TEMP. (°F DB/WB)	TOTAL CAPACITY (BTUH)	TYPE	MERV	THICKNESS (IN)	NO. OF STAGES	VOLTAGE / PHASE	TOTAL KW	HEATER STEPS	VOLTAGE / PHASE	SINGLE CIRCUIT MCA	SINGLE CIRCUIT MOCP	UNIT SIZE (H"xW"xD")	OPERATING WEIGHT (LBS.)	MANUFACTURER	MODEL NUMBER	MOUNTING APPLICATION	NOTES
AHU-1	-	1020	102	0.8	DIRECT	0.5	77 / 65	54.7 / 54.7	29.7	THROWAWAY	8	1	1	240V / 1Ø	7.5	1	208V / 1Ø	39	40	47.75 x 18.5 x 22	143	LENNOX	CBA25UHV-030	-	-
AHU-2	-	1600	160	0.8	DIRECT	1	77 / 65	55.4 / 55.1	46.3	THROWAWAY	8	1	1	240V / 1Ø	10	1	208V / 1Ø	52	60	55.75 x 21.5 x 22	179	LENNOX	CBA25UHV-048	-	-
AHU-3	-	1020	102	0.8	DIRECT	0.5	77 / 65	54.7 / 54.7	29.7	THROWAWAY	8	1	1	240V / 1Ø	7.5	1	208V / 1Ø	39	40	47.75 x 18.5 x 22	143	LENNOX	CBA25UHV-030	-	-
AHU-4	-	1600	160	0.8	DIRECT	1	77 / 65	55.4 / 55.1	46.3	THROWAWAY	8	1	1	240V / 1Ø	10	1	208V / 1Ø	52	60	55.75 x 21.5 x 22	179	LENNOX	CBA25UHV-048	-	-

NOTES:
1. PROVIDE COMPLETE WITH SINGLE POINT WIRING, ELECTRICAL DISCONNECT (PROVIDED BY DIVISION 16), 1" THICK CABINET FOIL FACED INSULATION, HONEYWELL TH8321WF1001 PROGRAMMABLE THERMOSTAT WITH HUMIDISTAT AND NIGHT SET BACK, FACTORY INSTALLED TXV KIT, AND CONDENSATE OVERFLOW SWITCH.
2. PROVIDE UV PROTECTIVE COATING/COVERING ON ALL ELASTOMERIC PIPE INSULATION WHERE EXPOSED TO SUNLIGHT.

PLEASE CALL YOUR LOCAL LENNOX REP RYAN MCDANIEL FOR YOUR QUOTE AT (407) 625-8436.

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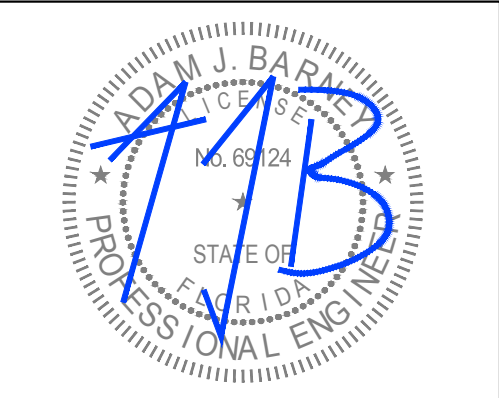
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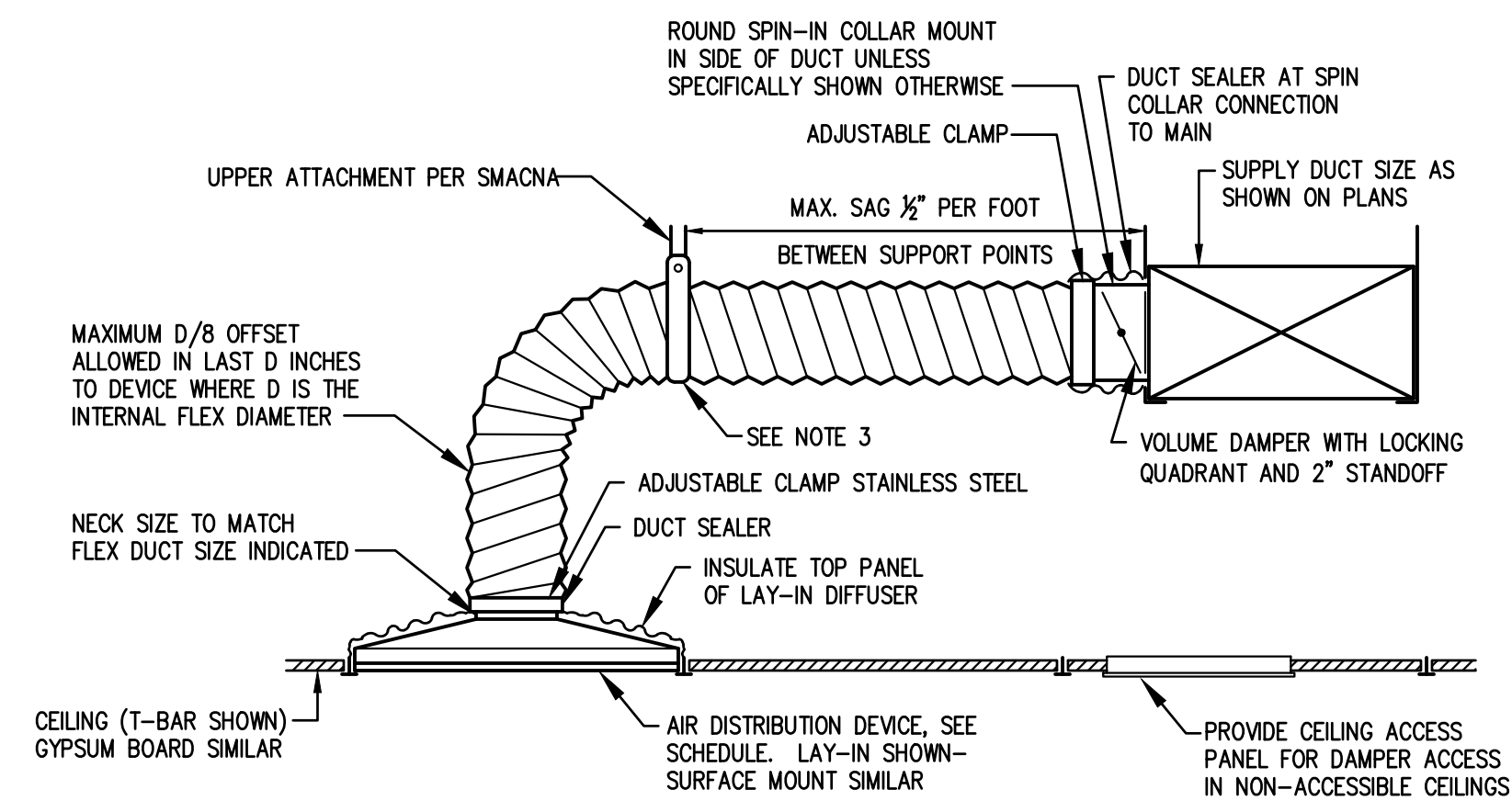
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100% CONSTRUCTION
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DETAILS -
MECHANICAL

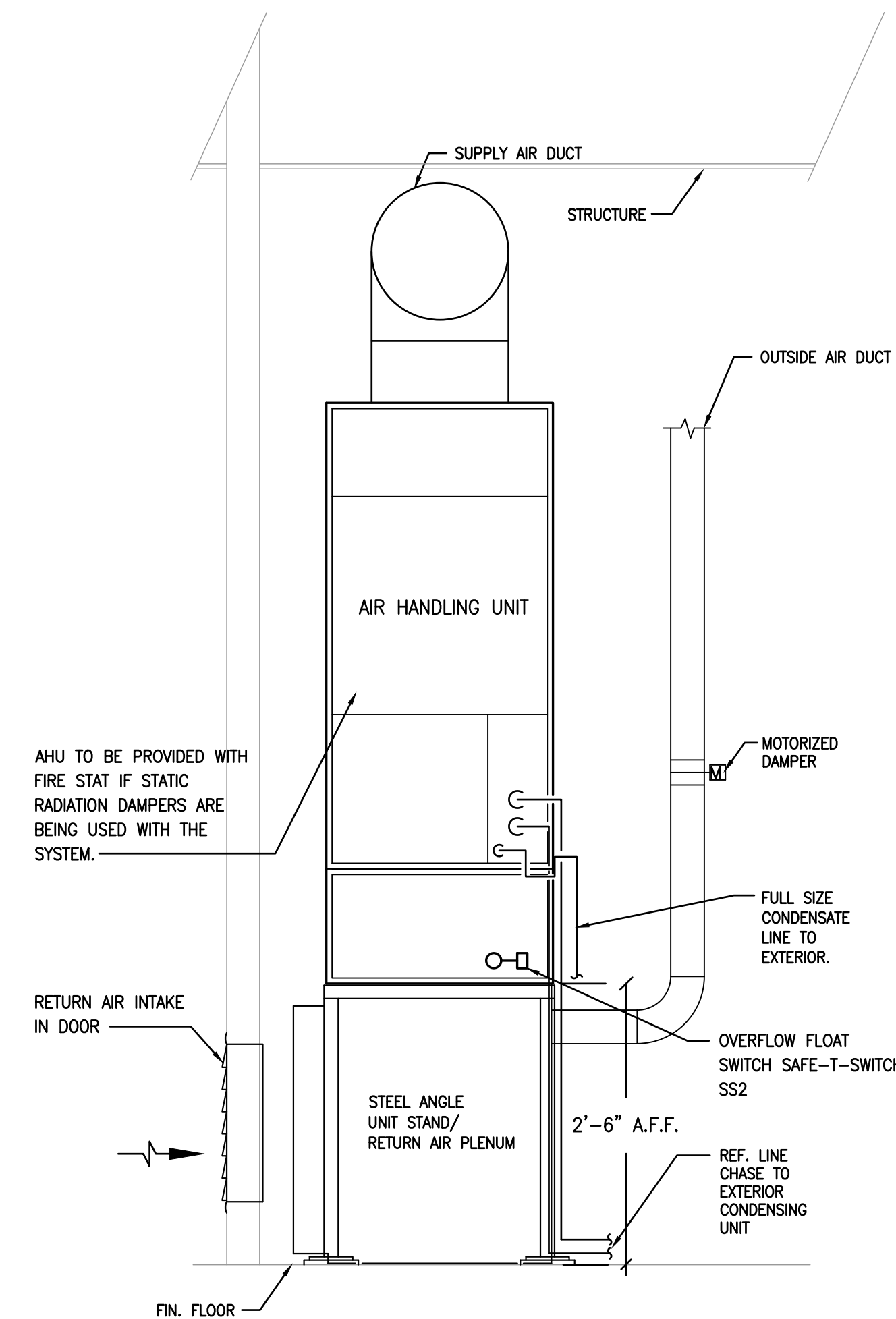
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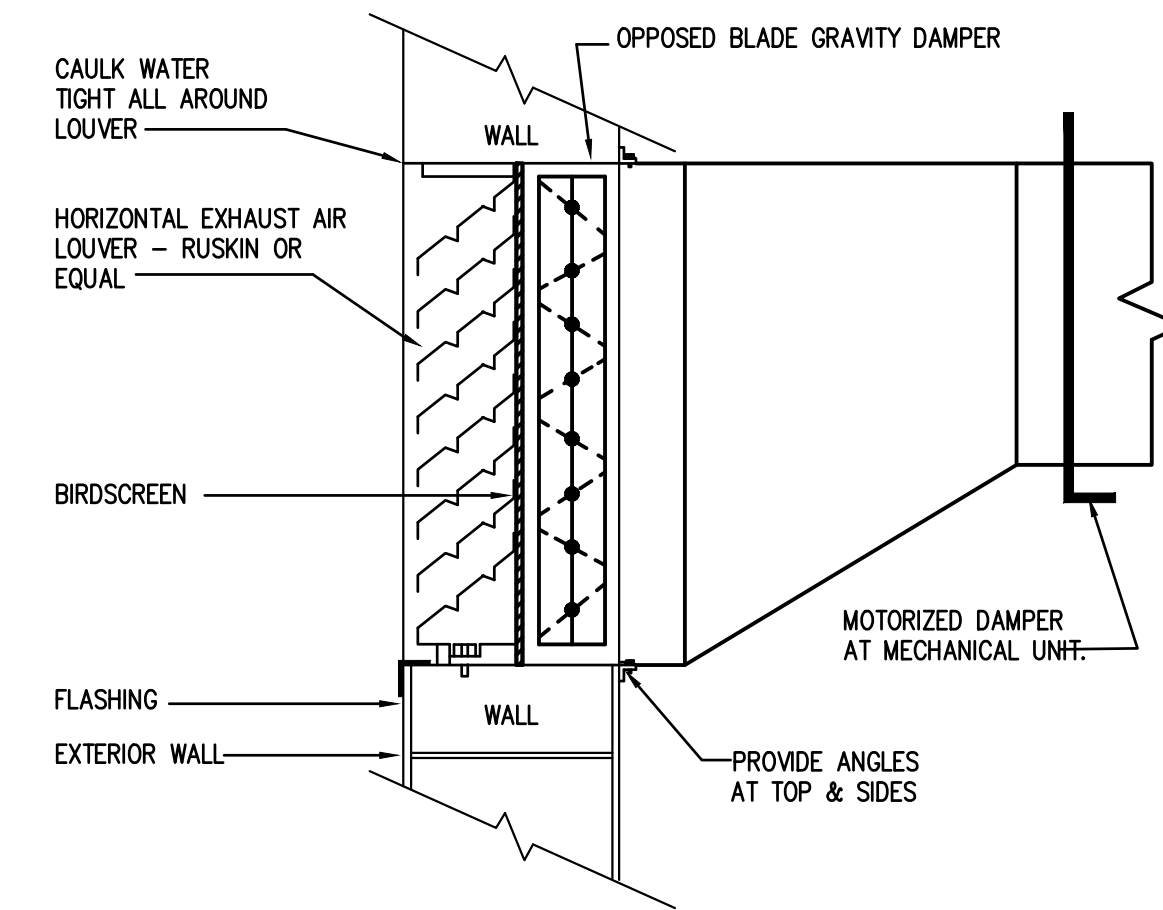


- NOTES:
1. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.
 2. MINIMUM 1-1/2" WIDE 22 GAUGE GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA FIGURE 3-10.
 3. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NO LESS THAN R/D=1.0.

6 FLEXIBLE DUCT DETAIL
NTS

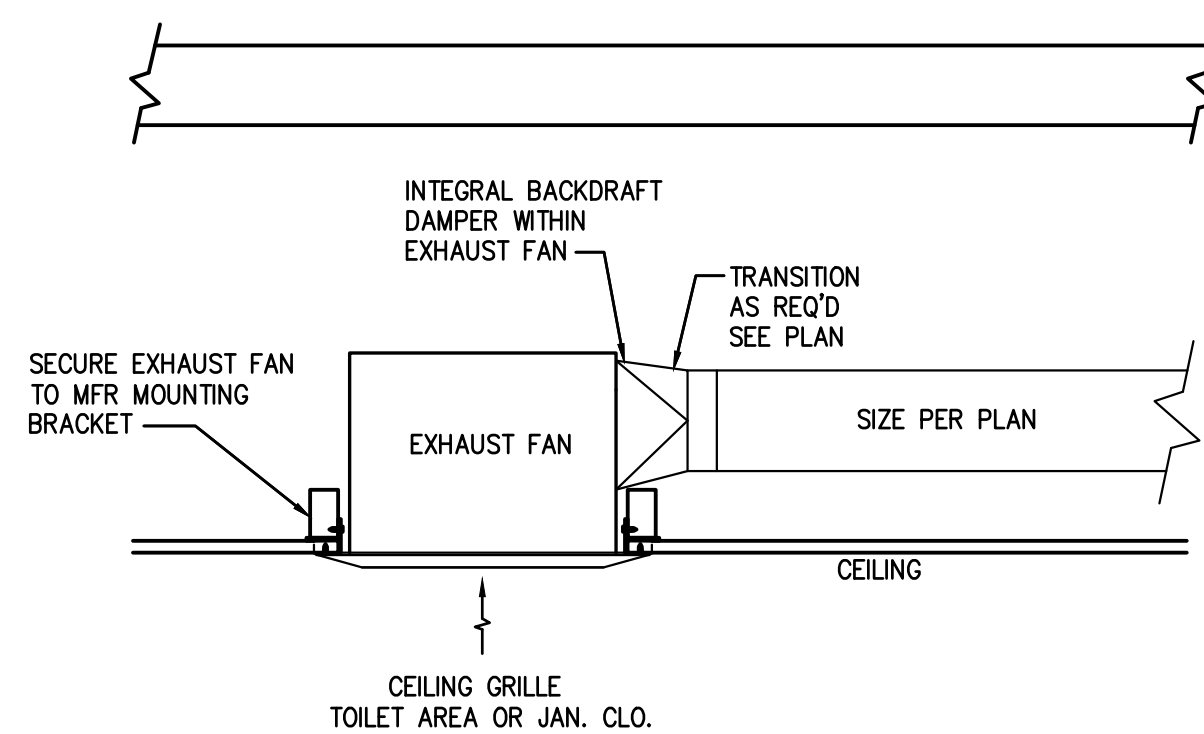


1 VERTICAL AHU DETAIL
NTS (CORRIDOR)

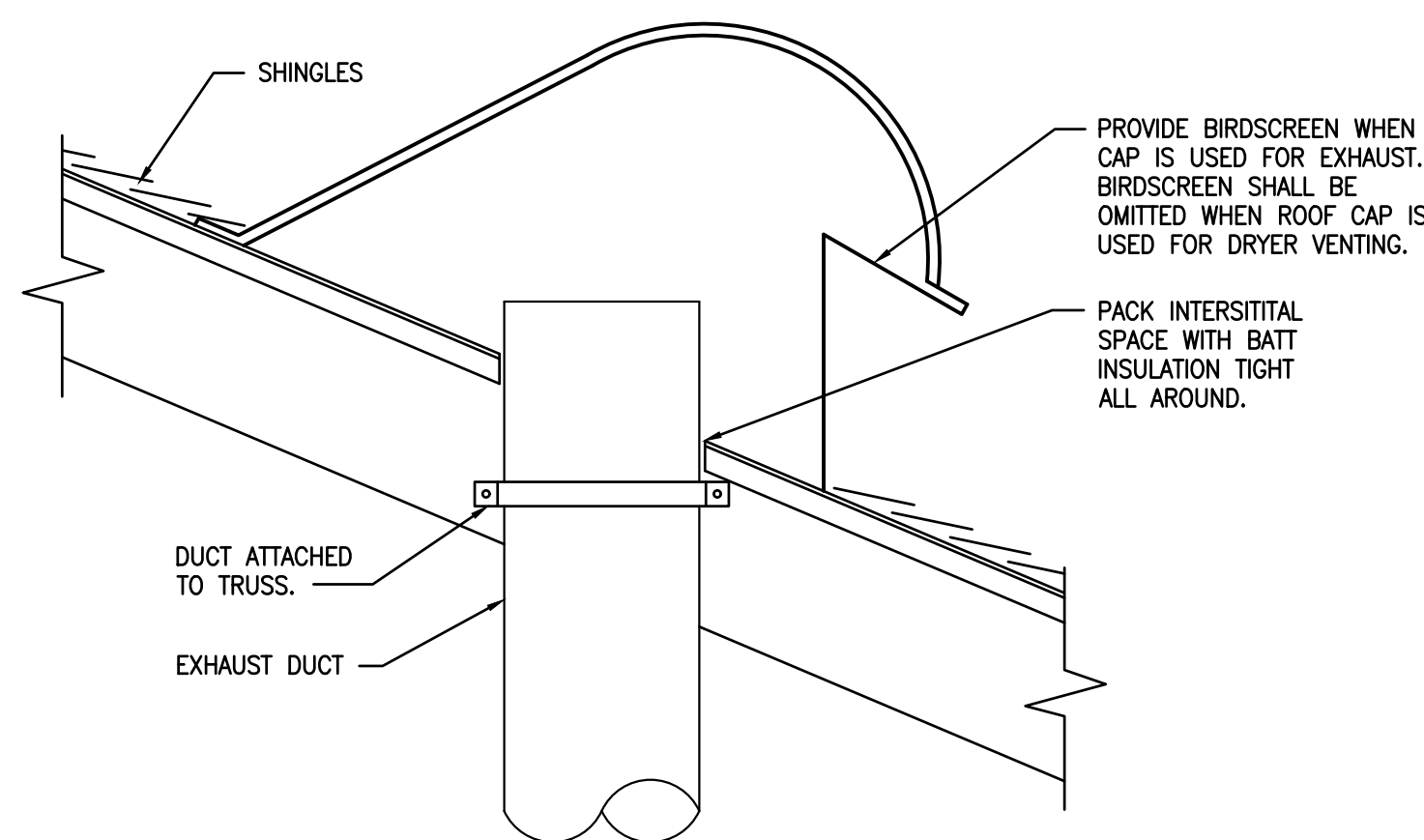


- NOTES:
1. PROTECT OPENING PER FLORIDA BUILDING CODE - MECHANICAL SECTION 401.5 AND 401.6

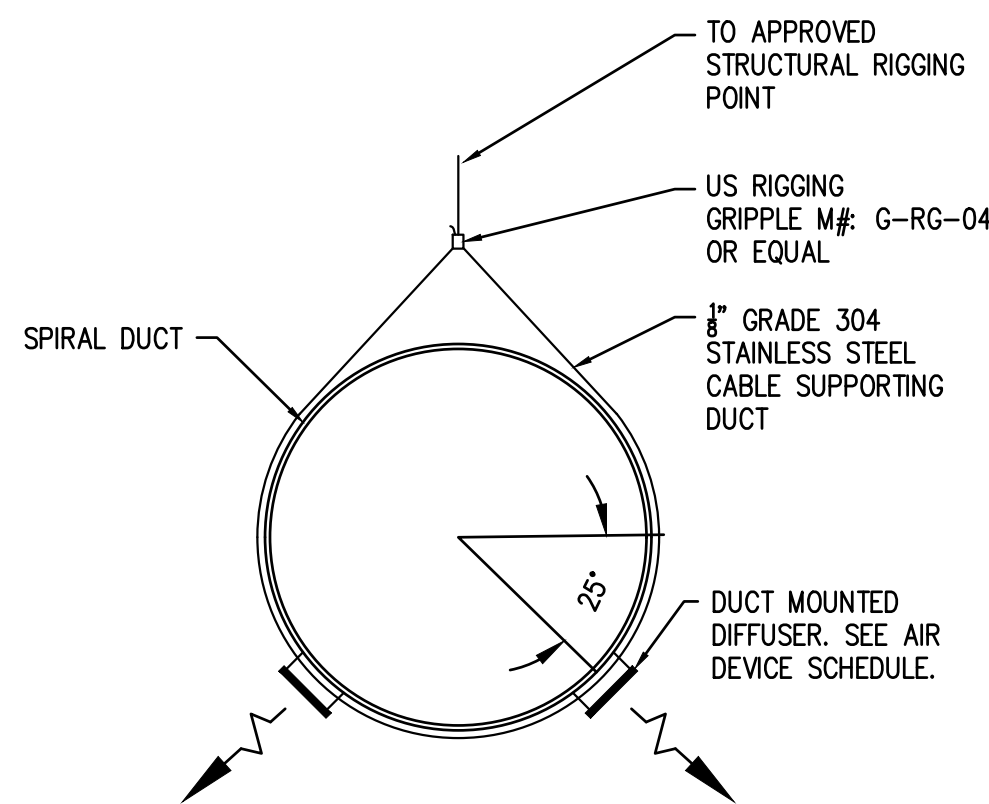
7 SIDEWALL LOUVER DETAIL
NTS



4 CEILING FAN SUPPORT DETAIL
NTS

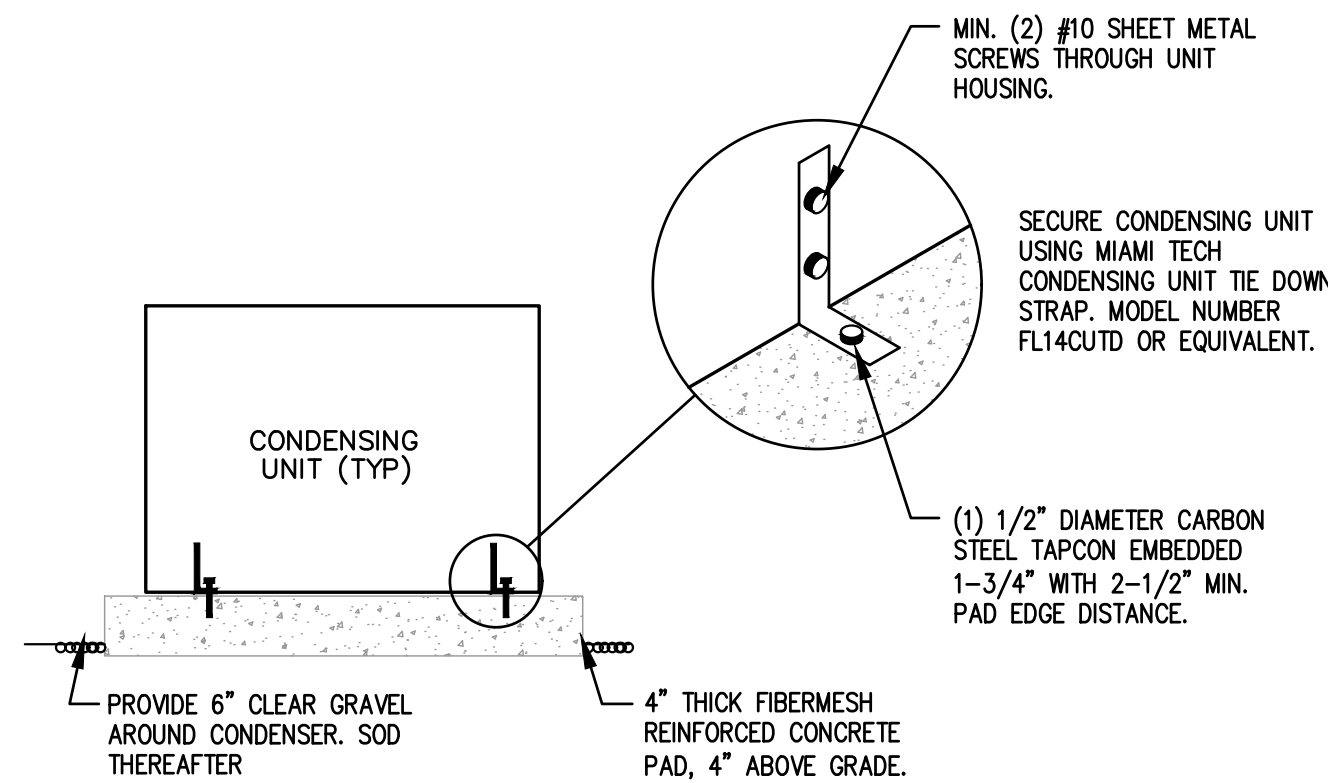


2 ROOF CAP DETAIL
NTS

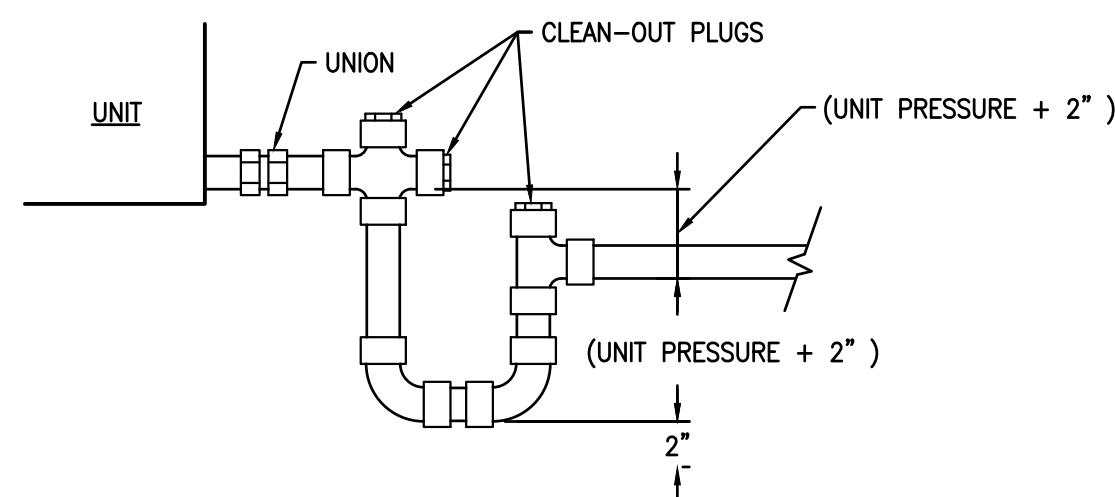


- NOTES:
1. MAXIMUM SPACING BETWEEN HANGER LOCATIONS SHALL BE 8'-0" PER PAIR.
 2. REFER TO SMACNA FOR ADDITIONAL REQUIREMENTS.
 3. ALL SPIRAL DUCT TO BE 1" DOUBLE WALL INSULATED SPIRAL DUCTWORK

8 SPIRAL DUCTWORK SUPPORT DETAIL
NTS



5 TYP. CONC. PAD
MOUNTED CU DETAIL
NTS



- NOTES:
1. CONDENSATE DRAIN SHALL BE PIPED FULL SIZE OF UNIT CONNECTION.
 2. CONDENSATE PANS SHALL BE INSTALLED WITH ADEQUATE PITCH TO ENSURE POSITIVE DRAINAGE OF ACCUMULATED CONDENSATE.
 3. TRAP CONDENSATE AND DISCHARGE PER PLAN.

3 CONDENSATE DRAIN DETAIL
NTS