2. THE CONTRACTORS ATTENTION IS DIRECTED TO THE EQUIPMENT SCHEDULES AND NOTES FOR ADDITIONAL REQUIREMENTS. ANY CONFLICTS IN THE GENERAL NOTES AND DRAWINGS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE BID FOR CLARIFICATION. CONFLICTS NOT CLARIFIED PRIOR TO THE BID SHALL BE INTERPRETED SUCH THAT THE MOST STRINGENT REQUIREMENT (MOST COSTLY) SHALL APPLY.

3. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING DEVICES. THE CONTRACTOR SHALL MAKE ALL CHANGES NECESSARY TO COMPLY WITH THE ARCHITECT'S CEILING AGGANGEMENT.

4. CONTRACTOR MUST COORDINATE ALL WORK SCHEDULING WITH THE OWNER. OWNER MUST APPROVE ALL WORK SCHEDULES. ALL COSTS ASSOCIATED WITH PREMIUM TIME DURING OFF-HOURS, ETC. MUST BE INCLUDED IN THE BID. THE CONTRACTOR WILL EXPEDITE WORK AT BUILDING CONNECTIONS TO MINIMIZE DOWNTIME TO THE OWNER.

5. THE BUILDING WILL BE OCCUPIED DURING THE WORK. THE CONTRACTOR SHALL PROVIDE FOR THE SAFETY OF THE OCCUPANTS, PEDESTRIAN TRAFFIC AND ACCESS TO FACILITY AREAS DURING ALL ASPECTS OF THE WORK. PROVIDE BARRICADES DURING PERIODS WHEN EQUIPMENT, DUCTWORK AND PIPING ARE BEING BROUGHT INTO BUILDING. PROTECT ALL AREAS.

6. CONTRACTOR WILL PROTECT THE BUILDINGS, EQUIPMENT, FLOORING, CEILING, OCCUPANTS, ETC. FROM DAMAGE AND HARM DURING THE WORK OF THIS PROJECT. ANY DAMAGE RESULTING FROM WORK OF THE CONTRACTOR MUST BE REPAIRED/ REPLACED AT CONTRACTOR EXPENSE. CONTRACTOR SHALL INSTALL DUST BARRIERS. CONTRACTOR MUST CLEAN BUILDING DAILY.

7. CONTRATOR SHALL TEST AND BALANCE ALL AIR CONTROL DEVICES WITHIN THE SCOPE OF THIS PROJECT. SUBMIT REPORT FOR APPROVAL. TEST OF EXISTING AIR SIDE SYSTEM DEVICES SHALL BE CONDUCTED WITH ALL VAV BOXES IN THE FULL OPEN POSITION PRIOR TO ANY DEMOLITION. SUBMIT A FULL REPORT OF ALL FINDINGS TO THE ENGINEER.

8. CONTRACTOR SHALL COORDINATE PLANNED SHUTDOWN OF ANY EQUIPMENT WITH OWNER AND PLANT OPERATION PERSONNEL SO THAT EQUIPMENT DOWNTIME WILL BE MINIMAL AND AT NON-CRITICAL HOURS.

9. ALL ELECTRICAL OR CONTROL WIRING CONDUITS SHALL BE INSTALLED IN METAL CONDUIT WITH PULL STRINGS. THE SYSTEM IS A RETURN AIR PLENUM; NO PVC IS ALLOWED.

10. PROTECT THE STRUCTURAL INTEGRITY OF ALL THE EXISTING BUILDINGS AND STRUCTURES DURING CONSTRUCTION.

11. INSIDE OF ALL PIPES SHALL BE KEPT CLEAN. ENDS OF PIPE SECTIONS SHALL BE KEPT COVERED WHILE STORED ON SITE.

12. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEBRIS OFF-SITE.

13. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE AS SHOWN ON THE DRAWINGS. EXTEND HARD DUCT FROM TRUNK DUCT IF REQUIRED TO COMPLY WITH MAXIMUM LENGTH REQUIREMENT OF 14 FEET.

14. ALL NEW DUCT SIZES ARE INSIDE CLEAR DIMENSIONS.

15. REROUTE/OFFSET DUCTS, PIPES, ETC. AS REQUIRED TO MEET FIELD CONDITIONS. RELOCATE EXISTING CONDUIT. SUPPORTS. PIPING, ETC. AS REQUIRED TO ACCOMPLISH SCOPE OF WORK. DUCT SIZES MAY BE CHANGED TO MEET FIELD CONDITIONS PROVIDED FREE AREA IS MAINTAINED AND ENGINEERS WRITTEN APPROVAL IS RECEIVED. COORDINATE WITH ALL DISCIPLINES BEFORE ANY CONSTRUCTION WORK. LOCATE DIFFUSERS/GRILLES AROUND LIGHT FIXTURES.

16. REPAIR WALLS TO MATCH EXISTING CONSTRUCTION AND FINISH WHERE THERMOSTATS ARE SCHEDULED FOR REMOVAL, WALL PENETRATIONS, ETC. THE USE OF WIREMOLD OR EXPOSED CONDUIT SHALL BE APPROVED BY THE ENGINEER.

17. SEAL ALL DUCT SEAMS IN NEW (AND CONNECTIONS TO EXISTING) AND JOINTS WITH GENEROUS COATING OF HIGH PRESSURE DUCT

18. CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.

19. ALL DUCT SHALL BE GROUNDED ACROSS FLEXIBLE CONNECTIONS.

21. DUCTWORK LOCATIONS AND CLEARANCES SHALL BE COORDINATED WITH PLUMBING, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL

22. INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS OR DIFFUSERS SHALL BE PAINTED FLAT BLACK.

23. THE CONTRACTOR SHALL REPAIR THE EXTERNAL INSULATION ON ALL EXISTING DUCTWORK TO BE REUSED IN THIS PROJECT. VISIT THE SITE AND VERIFY QUANTITY.

24. CAREFULLY WORK AROUND EXISTING PIPING TO REMAIN. REPLACE DAMAGED INSULATION AS REQUIRED. SEAL ALL HOLES WHERE EXISTING PIPING, DUCTWORK AND EQUIPMENT HAS BEEN REMOVED.

25. THE CONTRACTOR IS PUT ON NOTICE THAT ASBESTOS MAY BY LOCATED IN THE BUILDINGS. THE OWNER WILL BE RESPONSIBLE FOR REMOVING ASBESTOS. VERIFY WITH OWNER PRIOR TO BEGINNING WORK THAT ASBESTOS HAS BEEN REMOVED. ANY SUSPICIOUS MATERIAL SHOULD BE REPORTED TO THE OWNER FOR TESTING PRIOR TO PROCEEDING WITH WORK.

26. THE CONTRACTOR IS FULLY RESPONSIBLE FOR OPERATING THE EXISTING HVAC SYSTEMS ON FLOORS AND DESIGNATED OFFICES DURING CONSTRUCTION. COORDINATE SCHEDULES WITH THE OWNER.

27. MODIFY EXISTING OPENINGS IN PARTITIONS ABOVE CEILINGS AS REQUIRED FOR ADDITIONAL RETURN AIR TO CEILING PLENUMS.

28. CONTRACTOR TO COORDINATE WITH OWNER MAINTENANCE ON SALVAGE OF HVAC EQUIPMENT AND/OR PARTS. CONTRACTOR SHALL ALLOW TIME TO "STRIP" PARTS. DELIVER TO OWNER MAINTENANCE YARD EQUIPMENT OWNER CHOOSES TO RETAIN. ALL OTHER EQUIPMENT CONTRACTOR SHALL DISPOSE OFF-SITE IN LAWFUL MANNER.

29. THE CONTRACTOR SHALL REMOVE ALL EXISTING MECHANICAL EQUIPMENT, CONTROLS, PIPING, DUCTWORK AND VENTS. SEE FLOOR PLANS FOR SCOPE OF WORK.

30. THE CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL INSULATION WRAP OR INSULATING TAPE ON ALL SURFACES THAT HAVE CONDENSATION OR SWEATING FROM HIGH HUMIDITY AIR. THIS INCLUDES FACTORY INSULATED EQUIPMENT SUCH AS AIR HANDLING UNITS, FANS, VAV BOXES, PUMPS, WATER AND DRAIN PIPING, ETC.

31. INSTALL ALL THERMOSTATS OR ROOM SENSORS 48 AFF ON THE LOCK SIDE OF THE DOOR(IF NOT SHOWN OTHERWISE).

32. INSTALL DOOR GRILLES AS SHOWN ON THE FLOOR PLANS. COORDINATE INSTALLATION WITH THE GENERAL CONTRACTOR.

33. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC IN NATURE. THEY ARE, HOWEVER, AS ACCURATE AS SCALE PERMITS AND THE CONTRACTOR SHALL FOLLOW THEM AS CLOSELY AS POSSIBLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CONDITIONS RELATING TO THE WORK IN THE FIELD PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL VERIFY ALL WALLS, PARTITIONS, AND STRUCTURAL SYSTEMS BEFORE INSTALLATION AND FABRICATION OF ANY DUCTWORK OR PIPING SYSTEMS. ALL OFFSETS REQUIRED FOR INSTALLATION OF DUCTWORK, OR PIPING SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SIZE AND LOCATION OF ALL EXISTING EQUIPMENT, PARTITIONS, PIPING, DUCTWORK AND MECHANICAL SYSTEMS. IF THE ACTUAL LOCATION IS SUCH THAT PARTITIONS, PIPING, DUCTWORK, AND EQUIPMENT UNDER THIS CONTRACT CANNOT BE ROUTED OR INSTALLED AS SHOWN ON THE PLANS, THEN THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION AS DIRECTED BY THE ENGINEER AND RELOCATE AT NO ADDITIONAL COST TO THE OWNER.

35. FAILURE TO MAKE REFERENCES IN THE SPECIFICATIONS TO ANY ITEMS OF THE WORK SHOWN BY THE DRAWINGS, AND NECESSARY TO THE COMPLETION OF THE WORK SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY TO FURNISH THE MATERIALS AND PERFORM THE WORK OF SUCH ITEMS, IN A MANNER COMPARABLE TO OTHER ITEMS OF SIMILAR NATURE FOR WHICH DETAILED SPECIFICATIONS ARE INCLUDED.

36. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CLEARLY SET FORTH ALL WORK. AND THE DETAILED DESCRIPTION IS ADDED TO ASSIST IN ESTABLISHING THE SCOPE AND THE LOCATION OF THE SEVERAL PARTS OF THE WORK. COLLECTIVELY, THEY SHALL GOVERN AND CONTROL THE SCOPE, CHARACTER AND DESIGN OF THE WORK, AND ANY ITEM CALLED FOR IN ANY ONE OF THE DOCUMENTS SHALL BE AS THOUGH REQUIRED IN ALL.

37. ALL CUTTING AND PATCHING SHALL BE DONE BY WORKMEN SKILLED IN THE TRADES INVOLVED. ALL CUTTING SHALL BE DONE IN SUCH A MANNER AS NOT TO ENDANGER OR DAMAGE FACILITIES. ALL PATCHING SHALL FINISH FLUSH AND SMOOTH AND SHALL MATCH EXISTING ADJOINING SURFACES. ALL CUTTING REQUIRED FOR INSALLATION OF PIPING, DUCTWORK, CONDUIT AND EQUIPMENT IS IN TO THE WORK SHOWN ON THE DEMOLITION DRAWINGS, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION REQUIRED.

38. ALL FINISHED FIELD INSTALLED PRESSURE PIPING SYSTEMS SHALL RECEIVE A HYDROSTATIC TEST OF 100 PSIG FOR A PERIOD OF NOT LESS THAN TWO (2) HOURS WITH NO LEAKAGE EVIDENT DURING THE TEST. MISCELLANEOUS PIPING SYSTEMS MAY BE TESTED AT A LESSER PRESSURE IF SO DIRECTED BY THE ENGINEER AND APPROVED BY THE LOCAL BUILDING INSPECTION DEPARTMENT.

39. ALL PIPING SYSTEMS, EQUIPMENT, SPECIALTIES, ETC., SHALL ALSO BE TESTED UNDER ACTUAL OPERATING CONDITIONS AFTER COMPLETION OF CONSTRUCTION AND ANY MALFUNCTIONS, LEAKAGE OR WARPAGE SHALL BE CORRECTED. DURING THIS TEST, THE PUMPS, TRAPS, VALVES, STRAINERS, SPECIALTIES AND ALL ACCESSORIES SHALL BE GIVEN A THOROUGH INSPECTION AND ALL ITEMS SHALL BE LEFT IN FIRST CLASS WORKING ORDER. THE DURATION OF THE TEST SHALL BE FOR NOT LESS THAN EIGHT (8) HOURS OR UNTIL THE COMPLETE INSTALLATION IS OPERATING IN A SATISFACTORY MANNER AS APPROVED BY THE ENGINEER AND THE OWNER.

40. THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SCAFFOLDING, SERVICES, SUPERVISION, PLANT, AND PERFORMING ALL OPERATIONS REQUIRED TO PROPERLY COMPLETE ALL WORK IN ACCORDANCE WITH THESE SPECIFICATIONS AND AS INDICATED ON THE APPLICABLE DRAWINGS, SUBJECT TO TERMS AND CONDITIONS OF THE CONTRACT.

41. THE CONTRACTOR SHALL NOTE THAT VARIOUS DRAWINGS AND DETAILS ARE DIAGRAMMATIC IN GENERAL AND INDICATE THE CHARACTER AND LOCATION OF THE WORK INCLUDED. WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED OR NOT SHOWN, SHALL BE FURNISHED AND INSTALLED COMPLETE TO PERFORM THE FUNCTIONS DESIRED.

42. ARRANGEMENTS OF DUCTWORK, PIPING, CONDUIT, AND OTHER CONSTRUCTION THAT DIFFER MATERIALLY FROM THE OBVIOUS INTENT OF THE DRAWINGS WILL NOT BE PERMITTED EXCEPT WHERE NECESSARY TO AVOID INTERFERENCE'S, AND ONLY WHERE SPECIFICALLY APPROVED BY THE ENGINEER. SHOP DRAWINGS SHALL BE FURNISHED SHOWING ALL SUCH CHANGES.

43. AN INDEPENDENT CERTIFIED TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO JOB ACCEPTANCE BY OWNER. TEST AND BALANCE ALL NEW AND EXISTING GRILLES, DIFFUSERS AND VAV BOXES UPON COMPLETION OF THIS PROJECT. 44. THE SUBMISSION OF A BID OR PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS, SPECIFICATIONS AND BUILDING SITE.

45. CHECK THE AIR FLOW SUPPLIED BY THE EXISTING AIR HANDLING UNIT(S) TO ENSURE EXISTING VAV BOXES ARE RECEIVING THE REQUIRED AIR FLOW. MAKE ALL ADJUSTMENTS IN EXISTING FAN DRIVES (VFD'S, BELTS AND SHEAVES) . SUBMIT REPORT WITH TEST AND BALANCE DOCUMENTS.

46. ALL RECTANGULAR DUCTS TO HAVE AIR TAKEOFFS WITH CROWN 3300-DS TYPE CONNECTORS WITH VOLUME DAMPERS. DAMPER CONTROL ADJUSTMENT SHALL HAVE 2" STAND-OFF.

47. ALL RUNOUT DUCTWORK SHALL BE GALVANIZED SHEETMETAL SPIRAL DUCT. WRAP WITH 2.25", 1.5# DENSITY FIBERGLASS INSULATION WITH FSK JACKET. FLEXIBLE DUCTS SHALL NOT EXCEED 14 FEET IN LENGTH AND SHALL COMPLY WITH UL 181 AND SHALL HAVE FOIL BACKING (FSK TYPE) JACKET.

48. ANY CONDENSATION ON SURFACES OF HVAC EQUIPMENT, DUCTWORK OR PIPING SHALL BE CORRECTED BY WRAPPING WITH INSULATING TAPE OR EXTERNAL INSULATION HAVING A FKS VAPOR BARRIER.

49. FURNISH AND INSTALL ACCESS DOORS(18"x18" MINIMUM) IN ALL DRYWALL CEILINGS FOR ACCESS TO MECHANICAL EQUIPMENT.

50. THE CONTRACTOR SHALL STANDOFFS FOR ALL DAMPER QUADRANTS/OPERATORS TO ACCOMMODATE EXTERNAL INSULATION. 51. THE CONTRACTOR SHALL CAP AND SEAL THE ENDS OF ANY UNUSED DUCTWORK REMAINING AFTER DEMOLITION AND/OR

MODIFICATION. REPAIR THE EXTERNAL INSULATION. VISIT THE SITE AND VERIFY QUANTITY. 52. THE CONTRACTOR SHALL LOCATE ALL EXISTING DUCTWORK (AFTER THE CEILINGS HAVE BEEN REMOVED) DURING DEMOLITION AND VERIFY LOCATION OF ALL RUN-OUT DUCTS CONNECTS TO DIFFUSERS. MAKE NEW CONNECTIONS AS CLOSE AS POSSIBLE TO THE TAKE-OFFS AS SHOWN ON THE DRAWINGS. ADVISE THE ARCHITECT OF ANY MAJOR CHANGES THAT MAY BE NECESSARY.

53. THE CONTRACTOR SHALL RELOCATE ALL EXISTING THERMOSTATS PRIOR TO DEMOLITION AND PROTECT FROM ANY DAMAGE.

RE-INSTALL EXISTING THERMOSTATS AS SHOWN. PROVIDE ANY ADDITIONAL WIRING REQUIRED.

PRE-DEMOLITION TESTING

THE CONTRACTOR SHALL TEST AND RECORD THE MINIMUM AND MAXIMUM AIR FLOW OF ALL CEILING OUTLET DEVICES AND THE MAXIMUM AIR FLOW OF EACH EXISTING VAV BOX. SUBMIT A REPORT PRIOR TO ANY DEMOLITION.

CODE CRITERIA

THE LATEST EDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECIFIED:

1. FLORIDA BUILDING CODE, 8TH EDITION (2023) 2. FLORIDA PLUMBING CODE, 8TH EDITION (2023)

3. FLORIDA MECHANICAL CODE, 8TH EDITION (2023) 4. NFPA 70, NATIONAL ELECTRICAL CODE, 2020 EDITION

5. NFPA 101, LIFE SAFETY CODE, 2021 EDITION 6. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS. 7. STATE OF FLORIDA, DMS STANDARDS, FLORIDA ADA CODE.

AIR DISTRIBUTION SCHEDULE NECK SIZE BOOT SLOT NO. OF SIZE LENGTH HEIGHT WIDTH SLOTS SLOT NO. OF CFM RANGE MAX MATERIAL FINISH CEILING TYPE BASIS OF DESIGN ALUMINIZED T-BAR LAY-IN 50-100 6"ø |24"x24"| OFF-WHITE PRICE SPD AS 24"x24" CEILING TILE PLAQUE STEEL ALUMINIZED T-BAR LAY-IN SQUARE 8"ø |24"x24"| 101-240 PRICE SPD AS 24"x24" CEILING TILE PLAQUE STEEL ALUMINIZED T-BAR LAY-IN $\left\langle \frac{c}{300} \right\rangle \mid 241-350$ 10"ø |24"x24"| PRICE SPD AS 24"x24" CEILING TILE PLAQUE STEEL T-BAR LAY-IN 50-400 GRILLE 24"x24" | ALUMINUM | OFF-WHITE PRICE 70 24"x24" CEILING TILE

AIR DISTRIBUTION DEVICES SHALL BE EQUIPPED WITH BORDER TYPE SUITABLE FOR THEIR PARTICULAR APPLICATION. VERIFY CEILING TYPE WITH ARCHITECT.

HVAC SYMBOL & ABBREVIATION LEGEND

SYMBO	DLS:		
	SUPPLY AIR DUCT	SP	STATIC PRESSURE SENSOR
	RETURN OR OUTSIDE AIR DUCT	\otimes	CONNECT TO EXISTING
	EXHAUST AIR DUCT	UC	UNDERCUT DOOR (3/4" MAXIMUM)
	CEILING SUPPLY OUTLET (ROUND NECK SHOWN, RECTANGULAR NECK SIMILAR)	DDC	DIRECT DIGITAL CONTROLLER
	CEILING RETURN OUTLET		GATE VALVE
	CEILING EXHAUST OUTLET		GLOBE VALVE
	INSULATED ROUND FLEXIBLE DUCT (MAXIMUM LENGTH OF 10'-0")	TT	TEMPERATURE SENSOR OR THERMOSTAT
	SQUARE ELBOW WITH AIR TURNING VANES (DOUBLE THICKNESS)	H	HUMIDITY SENSOR CEILING ACCESS DOOR, 24"x24"
AIR FLOW	AIR DEFLECTING BOOT AT BRANCH TAKEOFF WITH DAMPER	AD	CLILING ACCESS BOOK, 24 X24
	OPPOSED BLADE MANUAL VOLUME DAMPER (OBMVD)		
14"ø	ROUND DUCT SIZE (IN.)		
24X12	RECTANGULAR DUCT SIZE (IN.) (FIRST FIGURE IS DIMENSION VIEWED)		
FD	FIRE DAMPER IN DUCT		
- 3	RECTANGULAR TO ROUND TRANSITION		

ABBREVIATIONS)
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	AIR HANDLING UNIT AIR CONDITIONER AIR HANDLER	LVG ENT EXT	LEAVING ENTERING EXTERNAL
·.	ABOVE FINISHED FLOOR	WG	WATER GAUGE
D.	BOTTOM OF DUCT	EXIST	EXISTING
	CONDENSING UNIT	SP	STATIC PRESSURE
	HEAT PUMP	PD	PRESSURE DROP
	VARIABLE AIR VOLUME	AFF	ABOVE FINISHED FLOOR
	CONSTANT VOLUME	FD	FIRE DAMPER
	FAN COIL UNIT	FSD	FIRE SMOKE DAMPER
	CUBIC FEET PER MINUTE	SD	SMOKE DAMPER
	SUPPLY AIR	LPS	LOW PRESSURE STEAM
	RETURN AIR	LPR	LOW PRESSURE CONDENSATE
	EXHAUST AIR	HPS	HIGH PRESSURE STEAM
	OUTSIDE AIR	HPR	HIGH PRESSURE CONDENSATE
	RETURN AIR OPENING	AD	HINGED ACCESS DOOR
	VARIABLE FREQUENCY DRIVE	REQ'D	REQUIRED

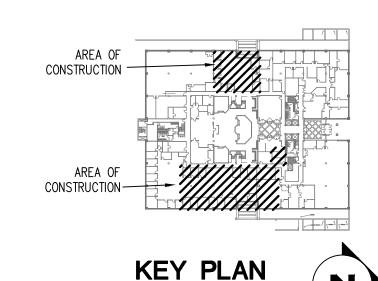
AIR SEPARATOR ACCESS PANEL AUXILIARY CONDENSATE COND CONDENSATE EXPANSION TANK HEAT EXCHANGER OBMVD OPPOSED BLADE MANUAL VOLUME DAMPER CHWS CHILLED WATER SUPPLY CHWR CHILLED WATER RETURN HHWS HEATING HOT WATER SUPPL HHWR HEATING HOT WATER RETURN CWS CONDENSER WATER SUPPLY CWR CONDENSER WATER RETURN FLEXIBLE CONNECTION ST/ST STAINLESS STEEL

DDC DIRECT DIGITAL CONTROLLER

PATCH ALL DUCTWORK WITH 2"DUCTWRAP WRAP INSULATION WHERE EXISTING DUCTS WERE MODIFIED. INSTALL FOAM GASKET SEAL EXTERNALLY WITH DUCT SREALANT -ROUND SHEET METAL SPIRAL LOCKSEAM FOR —SUPPORT RUNOUTS GREATER THAN 6 FT., AS PER WITH WRAP INSULATION. (SAME SMACNA -SUPPORT WIRE TO CROWN TYPE 3300-DS AS DIFFUSER NECK) STANDARDS-TAKEOFF FITTING PREVENT SAGS & WITH DAMPER KINKS IN FLEX -FLEXIBLE DUCT: DO NOT SAG OR KINK. INSULATED. MAXIMUM 14 FT. LONG (SAME SIZE DAMPER AS DIFFUSER NECK) -THREE SHEETMETAL SCREWS THRU HELIX OF FLEXIBLE DUCT CLASS 2" WG DUCTWORK -SUPPLY DUCT W/MASTIC ON INNER LINER, 2" WRAP INSULATION: INSULATION STAND-OFF DOWNSTREAM OF VAV BOX PANDUIT STRAP OVER CUT, FIT & GLUED OVER INSULATION JACKET & TAPED -WRAP INSULATION CEILING DIFFUSER -MANUAL DAMPER AIR TIGHT (TYPICAL) LOCKING QUADRANT -CEILING DIFFUSER

DUCT TAKE-OFF AND DIFFUSER TAKE-OFF DETAIL

NO SCALE



NOT TO SCALE



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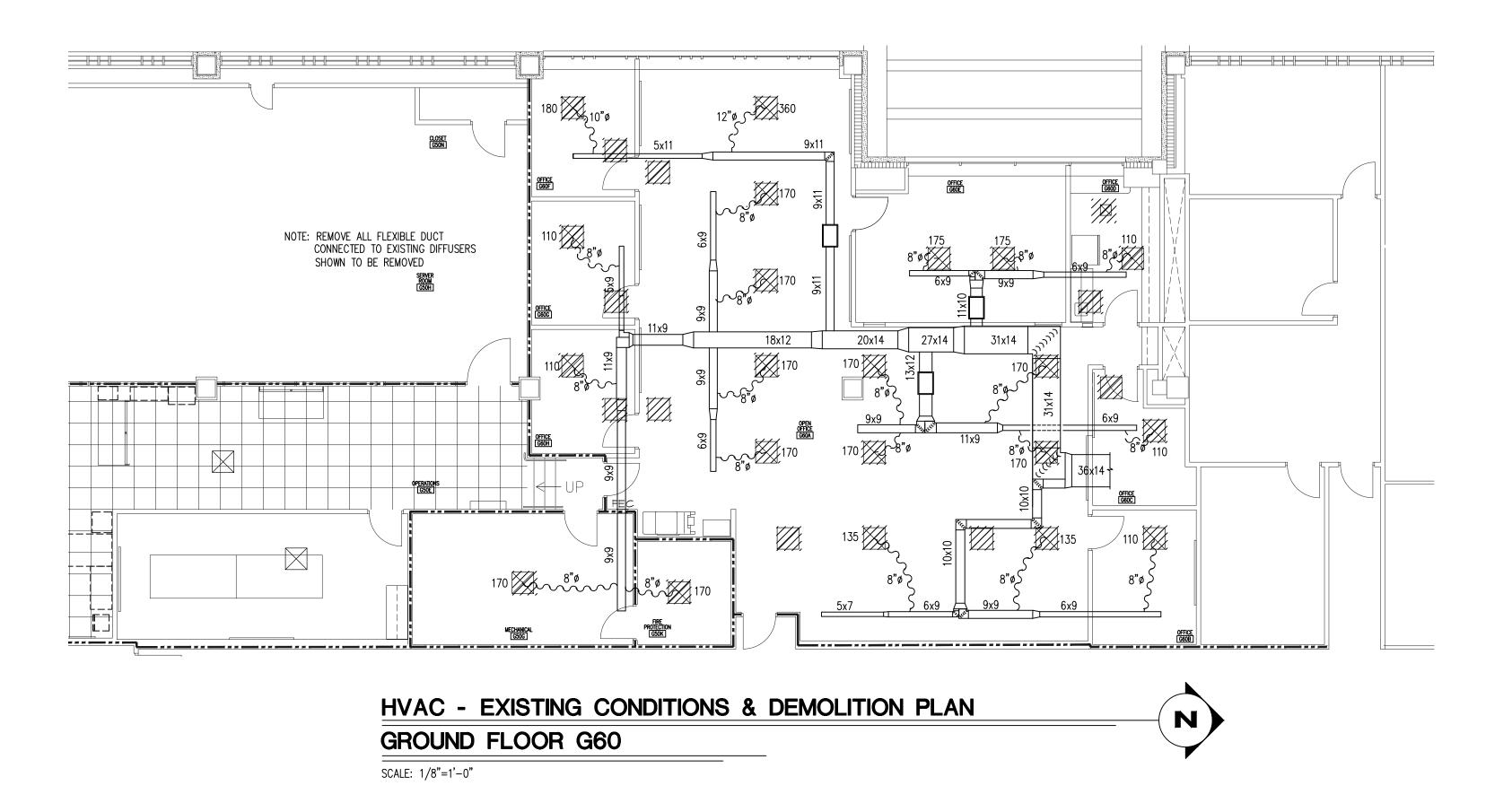
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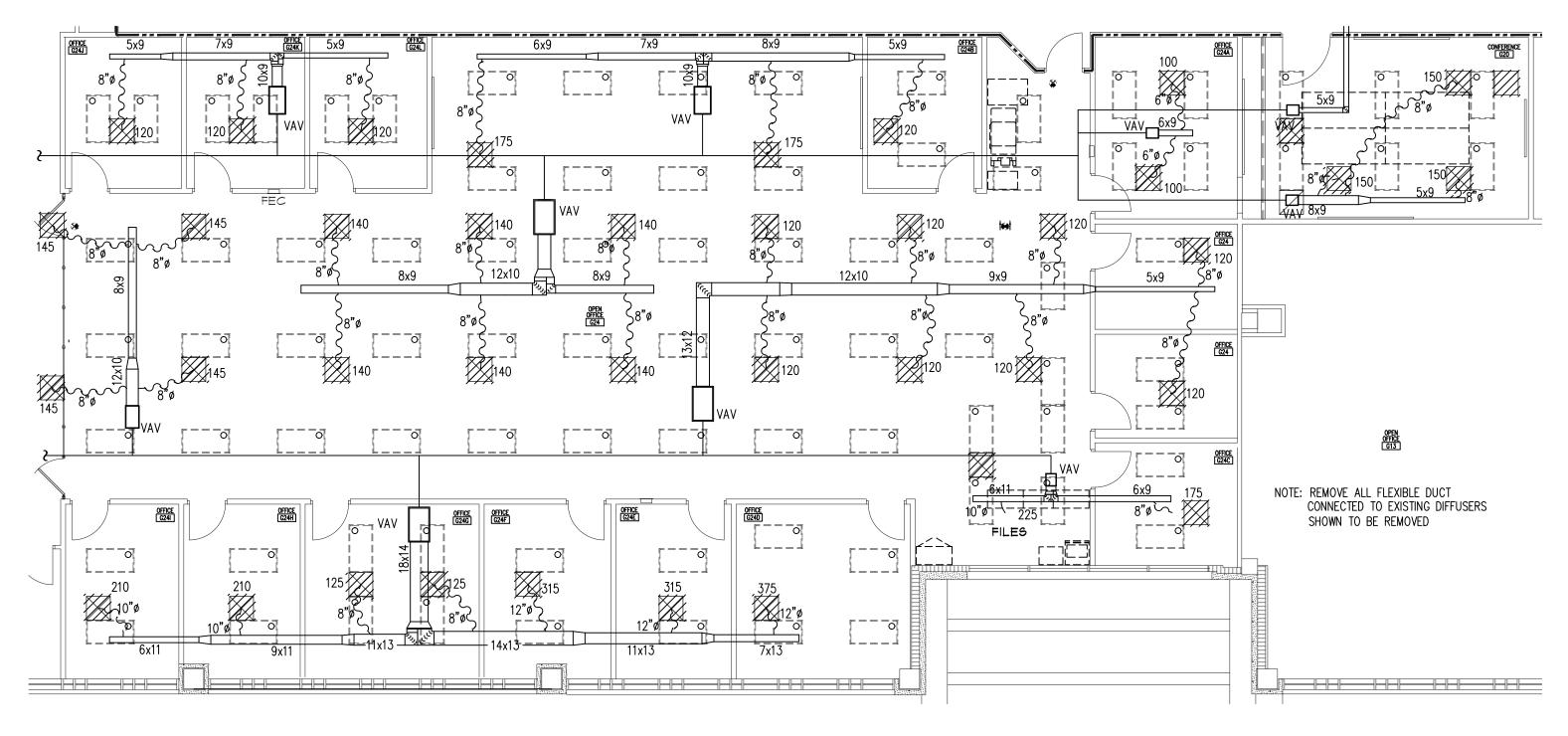
AA COO 1403

John W. Nation AR 12778

DATE OCT 1, 2024 PROJECT NO. 2400 **DESIGNED BY DRAWN BY**

CHECKED BY DWG. NO.





HVAC - EXISTING CONDITIONS & DEMOLITION PLAN

GROUND FLOOR G24

SCALE: 1/8"=1'-0"

DEMOLITION NOTES:

- EXISTING DUCTWORK TO REMAIN
- EXISTING VAV BOXES TO REMAIN
 CEILING(S) TO BE REMOVED BY CEILING CONTRACTOR.
- 4. REMOVE EXISTING AIR DEVICES AND FLEXIBLE DUCT.
- 5. RELOCATE EXISTING THERMOSTATS AS SHOWN.

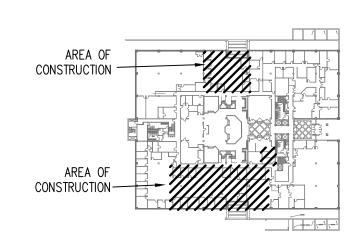
GENERAL DEMOLITION NOTES:

- 1. EXISTING WALLS AND FLOOR FINISHES IN AREAS TO REMAIN MUST BE CAREFULLY PROTECTED DURING ALL WORK.

 COORDINATE THE INSTALLATION OF DUST PROTECTION BARRIERS, ACCESS BARRIERS, CONSTRUCTION SIGNAGE, ETC. WITH THE
- 2. WORK ON THIS FLOOR MUST BE SCHEDULED IN ADVANCE & APPROVED BY THE OWNER'S PROJECT MANAGER PRIOR TO
- 3. PRIOR TO DEMOLITION, COVER ALL EXISTING ITEMS TO REMAIN WITH PAINTERS DROP CLOTHS NOT VISQUEEN.
- 4. CONTRACTOR SHALL COORDINATE WITH OWNER FOR THE REMOVAL AND PROTECTION OF EQUIPMENT. INCLUDE REMOVAL AND OR COVERING OF FLOORING, FOUIPMENT, TABLES, FTC. IN THE SCOPE OF WORK.
- 5. AT NO TIME SHALL LIFE SAFETY EGRESS PATHS BE COMPROMISED. INSTALL SIGNAGE AS REQUIRED TO DIRECT OCCUPANTS OUT OF BUILDING IN THE EVENT OF EMERGENCY.
- 6. COORDINATE WITH OWNER ON MEANS TO PREVENT/LIMIT OCCUPANT FLOOR ACCESS DURING CONSTRUCTION.
- 7. WORK AREAS SHALL BE CLEANED DAILY. UPON COMPLETION OF WORK, REMOVE COVERINGS AND THOROUGHLY DUST, VACUUM, AND CLEAN.
- 8. COORDINATE WITH OWNER AND TURN OVER DEMOLISHED CONTROLS.
- 9. REMOVE ALL AIR DEVICES ASSOCIATED WITH THE DEMOLITION OF EXISTING DUCTWORK EXCEPT AS NOTED.

PROTECTION OF EXISTING AREAS FOR DUST CONTROL

EXISTING DUCTWORK IN DEMOLITION AREAS WILL REMAIN DURING ALL DEMOLITION AND CONSTRUCTION. EXISTING SUPPLY AND RETURN DUCTS FROM BUILDING AIR HANDLING UNITS WILL REMAIN IN USE SERVING OTHER AREAS OF THE BUILDING. DUCTWORK MUST BE CAREFULLY PROTECTED, COVERED AND SEALED PRIOR TO ANY WORK. COORDINATE THE INSTALLATION OF PROTECTION BARRIERS WITH THE CONSTRUCTION MANAGER. COVER AND SEAL EXISTING RETURN AIR DUCTWORK PRIOR TO ANY DEMOLITION IN THE WORK AREA. FURNISH AND INSTALL TEMPORARY FILTERS OVER ALL RETURN AIR GRILLES WITHIN







NO DATE REVISION

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JITE RENOVATIONS JOR PEPPER BUILDING FOL COMPLEX HASSEE, FLORIDA

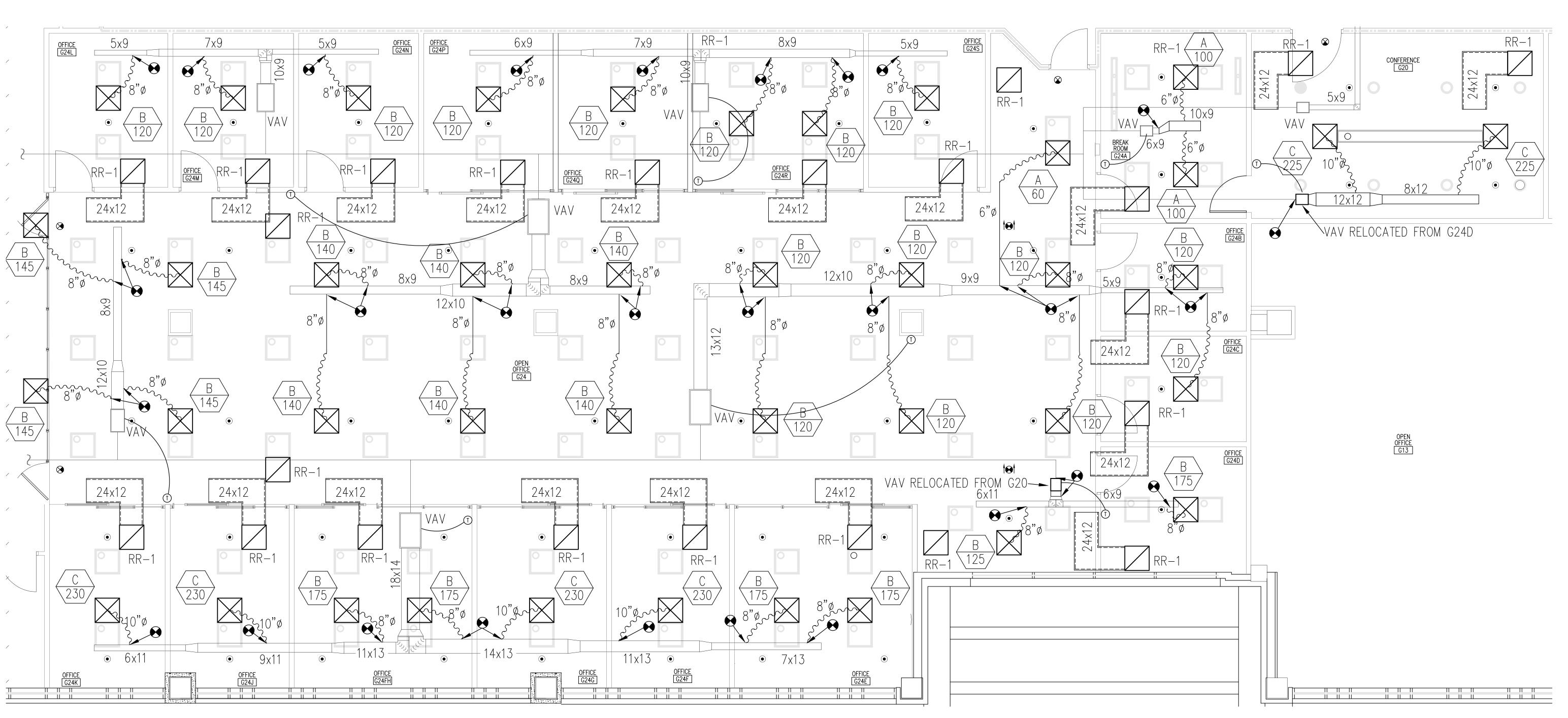
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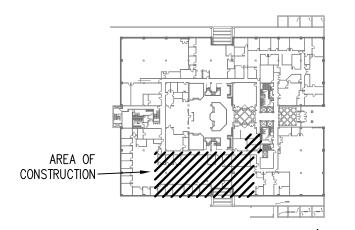
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HVAC - NEW WORK PLAN

GROUND FLOOR G24

SCALE: 1/4"=1'-0"



KEY PLAN

NOT TO SCALE



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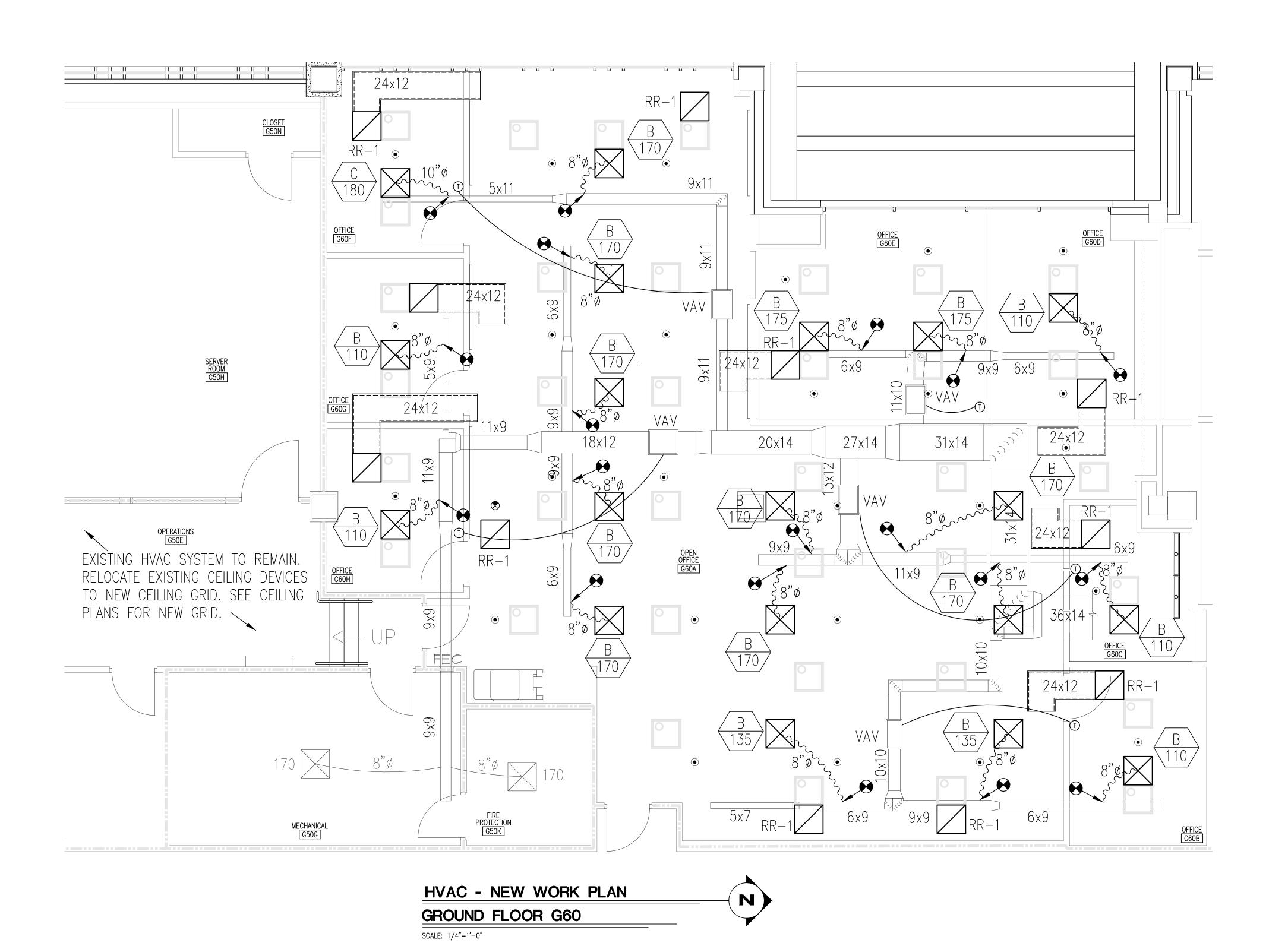
OFFICE SUITE RENOVATIONS
ROUND FLOOR PEPPER BUILDING
CAPITOL COMPLEX
TALLAHASSE, FLORIDA
AC - NEW WORK - GROUND FLOOR - 624

John W. Nation AR 12778 DATE OCT 1, 2024 PROJECT NO.

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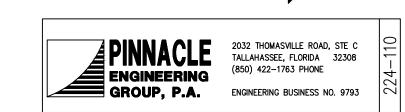
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AREA OF CONSTRUCTION

KEY PLAN

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OFFICE SUITE RENOVATIONS
SROUND FLOOR PEPPER BUILDING
CAPITOL COMPLEX
TALLAHASSEE, FLORIDA

John W. Nation

John W. Nation AR 12778 DATE OCT 1, 2024 PROJECT NO.

PROJECT NO.

2400

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