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### NOTICE TO CONTRACTORS

ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITIONS THAT DIFFER FROM THAT SHOWN ON THIS PLAN SHALL BE REPORTED TO ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATIONS TO SCOPE OF WORK WHICH RESULTS FROM CONTRACTORS NEGLECT TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

### SYMBOLS LIST

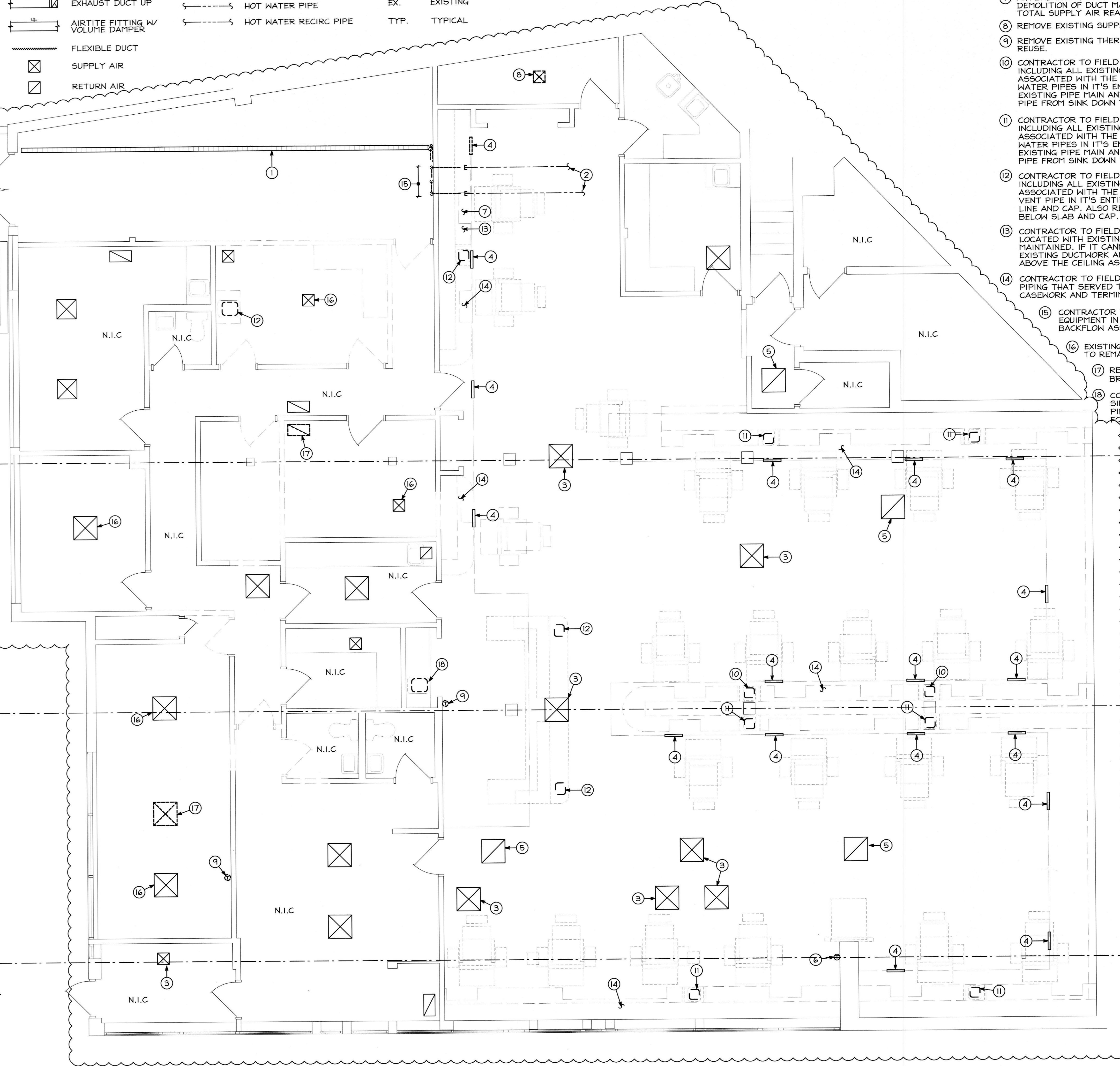
	SUPPLY DUCT DOWN		DIRECTION OF AIR FLOW		PIPE DOWN	FD	FLOOR DRAIN
	SUPPLY DUCT UP		THERMOSTAT		PIPE UP	FS	FLOOR SINK
	RETURN DUCT DOWN		DRAWING NOTE		CLEANOUT	F-1	EXHAUST FAN
	RETURN DUCT UP		SANITARY PIPE		BALL VALVE	N.I.C.	NOT IN CONTRACT
	EXHAUST DUCT DOWN		VENT PIPE		UNION	C.F.M.	CUBIC FEET PER MINUTE
	EXHAUST DUCT UP		COLD WATER PIPE		ANGLE STOP VALVE	1/2"	1" DOOR UNDERCUT
	AIR TITE FITTING W/ VOLUME DAMPER		HOT WATER PIPE		EX.		
	HOT WATER RECIRC PIPE		TYP.				
	FLEXIBLE DUCT						
	SUPPLY AIR						
	RETURN AIR						

### DRAWING NOTES

- EXISTING TRENCH DRAIN TO REMAIN.
- EXISTING DOMESTIC HOT AND COLD WATER PIPE ABOVE THE CEILING TO REMAIN.
- EXISTING SUPPLY AIR DIFFUSER MOUNTED IN CEILING TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
- EXISTING SUPPLY AIR REGISTER MOUNTED IN BULKHEAD TO REMAIN. MAINTAIN EXISTING AIRFLOW (TYPICAL).
- EXISTING RETURN AIR GRILLE MOUNTED IN CEILING TO REMAIN.
- EXISTING HEATING ONLY THERMOSTAT REMAIN.
- AIR BALANCING CONTRACTOR TO TAKE A TRAVERSE READING PRIOR DEMOLITION OF DUCT MAIN WITHIN THE BULKHEAD. ALSO AN EXISTING TOTAL SUPPLY AIR READING TOO.
- REMOVE EXISTING SUPPLY AIR DIFFUSER AND STOCKPILE FOR REUSE.
- REMOVE EXISTING THERMOSTAT. RECALIBRATE AND STOCKPILE FOR REUSE.
- CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING SINK AND REMOVE, INCLUDING ALL EXISTING DOMESTIC HOT AND COLD WATER PIPES ASSOCIATED WITH THE EXISTING SINK. REMOVE EXISTING DOMESTIC WATER PIPES IN ITS ENTIRETY WITHIN THE CASEWORK BACK TO EXISTING PIPE MAIN AND CAP. ALSO REMOVE EXISTING SANITARY PIPE FROM SINK DOWN TO JUST ABOVE SLAB AND CAP.
- CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING SINK AND REMOVE, INCLUDING ALL EXISTING DOMESTIC HOT AND COLD WATER PIPES ASSOCIATED WITH THE EXISTING SINK. REMOVE EXISTING DOMESTIC WATER PIPES IN ITS ENTIRETY WITHIN THE CASEWORK BACK TO EXISTING PIPE MAIN AND CAP. ALSO REMOVE EXISTING SANITARY PIPE FROM SINK DOWN TO JUST ABOVE SLAB FOR REUSE.
- CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING SINK AND REMOVE, INCLUDING ALL EXISTING DOMESTIC HOT AND COLD WATER PIPES ASSOCIATED WITH THE EXISTING SINK. REMOVE EXISTING SANITARY VENT PIPE IN ITS ENTIRETY AND UP TO JUST BELOW THE ROOF LINE AND CAP. ALSO REMOVE EXISTING SANITARY PIPE DOWN JUST BELOW SLAB AND CAP.
- CONTRACTOR TO FIELD DETERMINE IF EXISTING DUCTWORK SECTION LOCATED WITH EXISTING BULKHEAD TO BEING REMOVED CAN BE MAINTAINED. IF IT CANNOT, THEN REMOVE THAT SECTION OF EXISTING DUCTWORK AND REWORK ON THE NEW WORK PLAN TO FIT ABOVE THE CEILING AS NEEDED.
- CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING SANITARY PIPING THAT SERVED THIS RO CHAIR AND REMOVE WITHIN CASEWORK AND TERMINATE BELOW SLAB AND CAP.
- CONTRACTOR TO FIELD VERIFY AND REMOVE EXISTING RO EQUIPMENT IN ITS ENTIRETY INCLUDING MIXING VALVE, BACKFLOW ASSEMBLY, ETC.
- EXISTING SUPPLY AIR DIFFUSER MOUNTED IN CEILING TO REMAIN.
- REMOVE EXISTING AIR DEVICE AND CAP DUCT BRANCH ASSOCIATED WITH THIS AIR DEVICE.
- CONTRACTOR TO FIELD VERIFY/LOCATE EXISTING SINK AND REMOVE. MAINTAIN EXISTING SANITARY PIPE, ALONG WITH HOT AND COLD WATER PIPING FOR REUSE.

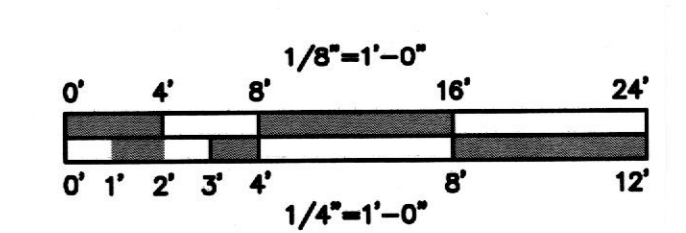
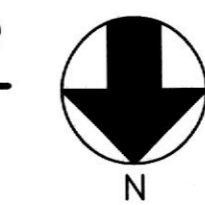
### GENERAL NOTES (HVAC/PIPING)

- ALL ITEMS INDICATED BOLD SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.
- ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE MUNICIPAL, STATE AND CITY/COUNTY CODES.
- COORDINATE ALL THERMOSTAT LOCATIONS WITH FINAL PARTITION/FURNITURE LAYOUT.
- THE CONTRACTOR IS TO REVIEW THE HEIGHTS AND MOUNTING LOCATIONS OF THE NEW HVAC EQUIPMENT WITH A STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
- NEW SANITARY PIPING SHOWN IS ASSUMED/APPROXIMATE LOCATION. EXISTING SANITARY PIPING MUST BE ACTUALLY FIELD DETERMINED FOR EXACT LOCATION AND FLOW DIRECTION PRIOR TO INSTALLATION.
- PLUMBING ROUGH-IN CONNECTIONS ARE APPROXIMATE LOCATIONS. ALL ROUGH-IN CONNECTIONS TO BE COORDINATED IN THE FIELD BY THE PLUMBING CONTRACTOR.
- THE BALANCING OF AIRFLOWS IS TO BE PERFORMED BY A AABC CERTIFIED BALANCING CONTRACTOR ONLY. FINAL AIRFLOW BALANCING REPORT WILL BE MADE AVAILBLE PRIOR TO THE FINAL INSPECTION.
- ALL DOMESTIC WATER PIPING TO BE INSTALLED ON THE WARM SIDE OF THE BUILDING INSULATION.
- PROVIDE/INSTALL A CLEAR PLASTIC/VENTED AND LOCKABLE COVER FOR ALL THERMOSTATS.
- MECHANICAL CONTRACTOR MUST BE CERTAIN THAT ALL NEW DOMESTIC WATER PIPES INSTALLED IN THE CEILING AREA WILL NOT FREEZE. THE CONTRACTOR MUST MAKE PROVISIONS TO PREVENT ANY PIPE FROM FREEZING THROUGHOUT OF OUR AREA OF WORK.
- ALLOWANCES ARE TO BE INCLUDED FOR UNFORSEEN CONDITIONS THAT MAY EFFECT THE CONTRACTOR'S SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING THE INTENT OF THIS DESIGN ARE TO BE INCLUDED IN THAT ALLOWANCE.
- THERMOSTATS MOUNTING HEIGHTS TO BE PER THE DRAWINGS. THE TOP OF THE THERMOSTAT NOT TO EXCEED THE 51" HIGH WALL PROTECTION STRIP.
- FIRE STOPPING MATERIAL (NON-COMBUSTIBLE) FOR WALLS, FLOORS AND CEILINGS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED TO MAINTAIN ANY FIRE SEPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF ALL FIRE STOPPING WORK, RESULTING FROM INSTALLATION OF NEW PIPING, DUCTWORK, ETC. THE CONTRACTOR IS RESPONSIBLE FOR FILLING ALL VOIDS IN WALLS, CEILINGS AND FLOORS TO WITHIN 1/2" OF EACH PENETRATION WITH MATERIAL TO MATCH THE ADJACENT SURFACES AND/OR CONSTRUCTION, UNLESS TIGHTER CLEARANCES ARE REQUIRED BY CODE. THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES PRIOR TO INITIATION OF FIRE.
- ALL WALL SINK MUST BE SUPPORTED BY CONCEALED ARMS CAPABLE OF SUPPORTED 250 LBS. MINIMUM.
- DRAWINGS SHALL BE CONSIDERED SCHEMATIC IN NATURE AND SHALL REPRESENT A COMPLETED PROJECT. ACTUAL INSTALLATION AND METHODS OF ACHIEVING A SATISFACTORY AND INTENDED INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR. LOCATIONS OF EQUIPMENT ARE INTENDED TO SHOW A GENERAL ARRANGEMENT AND INTENDED FUNCTION. COORDINATE WITH ALL CONTRACT DOCUMENTS, OWNER-PROVIDED EQUIPMENT (IF ANY), EQUIPMENT DRAWINGS, ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL CONTRACT DOCUMENTS. COORDINATE WITH OTHER TRADES. AS DRAWINGS ARE SCHEMATIC IN NATURE, DO NOT SCALE DRAWINGS. MINOR MODIFICATIONS OF WORK TO COMPLY SHALL BE PROVIDED.
- PRIOR TO ANY DUCTWORK AND/OR PIPING BEING INSTALLED THE MECHANICAL AND PLUMBING CONTRACTOR IS TO COORDINATE ALL WORK TO BE PERFORMED WITH THE ELECTRICAL CONTRACTOR TO AVOID ANY NEC VIOLATIONS.
- MIXED WATER TEMPERATURE NOT TO EXCEED 75°F FOR THE EMERGENCY EYEWASH.
- ALL REFRIGERANT PIPING TO BE INSULATED WITH 1/2" ARMAFLEX THROUGHOUT.
- ALL REFRIGERANT PIPING IS TO BE SIZED, TRAPPED/INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- THE HVAC CONTRACTOR IS RESPONSIBLE TO DELIVER A 100% COMFORTABLE WORKING SYSTEM. THE CONTRACTOR IS TO REVIEW THE DRAWINGS CAREFULLY AND FLAG ANY AREAS OF QUESTION AND/OR CONCERNS AND REVIEW THEM WITH THE OWNER. IF THERE ARE NO QUESTION AND/OR CONCERNS THAN CONTRACTOR REVIEW IS THEIR APPROVAL OF THE DRAWINGS/DESIGN AND ACCEPT FULL RESPONSIBILITY FOR THE OWNER'S SATISFACTION.
- MECHANICAL CONTRACTOR TO FIELD VERIFY AND EXTEND THE CONDENSATE DRAIN LINES FROM EACH AIR HANDLING (TRAP AT THE UNIT'S CONNECTION), BY GRAVITY AND/OR PUMPED TO A PROPER DISCHARGE LOCATION AT GRADE AND/OR STORM WATER. CONDENSATE PUMP NOT SHOWN ON THE DRAWINGS. CONTRACTOR MUST PROVIDE AND INSTALL CONDENSATE PUMP AS REQUIRED. SLOPE AWAY FROM THE AIR HANDLING UNIT. PRIOR TO INSTALL THE MECHANICAL CONTRACTOR IS TO COORDINATE THE CONDENSATE PIPE RUN WITH THE GENERAL CONTRACTOR AND ARCHITECT FOR THEIR APPROVAL. CONDENSATE LINES MUST BE CONCEALED. THE CONDENSATE INSTALLATION AND LAYOUT TO BE DESIGNED BY THE MECHANICAL CONTRACTOR. ALSO PROVIDE THE PROPER INDIVIDUAL CONDENSATE DRAIN PIPE SIZE FOR EACH AIR HANDLING UNIT TONNAGE AND THE OVERALL COLLECTIVE PIPES SIZES.
- NO PVC PIPING PERMITTED IN PLENUM CEILING.



### FLOOR PLAN-EXISTING CONDITIONS/ DEMOLITION (HVAC/PIPING)

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



**Davita**  
 Davita Healthcare Partners, Inc.  
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 Denver, CO 80202

**InSync**  
 ARCHITECTURAL  
 DESIGNS, INC.  
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 Fax: 410-462-8046

**SDI Design, LLC.**  
 11711 Chisholm Road  
 Parkville, Missouri 64150  
 Phone: 816-224-1234

**Ward Design Company, Inc.**  
 11000 E. Harvard Ave.  
 Denver, CO 80231

1	PERMIT SUBMITTAL	DATE	REVISED
2	NETWORK 1 - OWNER REVIEW	DATE	REVISED
3	NETWORK 2 - OWNER BUDGET CHANGES	DATE	REVISED

**Davita**  
 c/o Davita Healthcare Partners, Inc.  
 2000 16th Street  
 Denver, CO 80202

**Facility Maintenance For:**  
**Davita Dialysis**  
**Richmond Kidney - #0507**  
 1388 Victory Blvd  
 Staten Island 10311

**FLOOR PLAN- DEMOLITION (HVAC/PIPING)**

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 M/P-101.02