

HVAC CONTROLS NOTE

AIR CONDITIONING CONTRACTOR SHALL PROVIDE OR CAUSE TO BE PROVIDED ALL CONTROLS, CONTROL WIRING & CONDUT, POWER WIRING & CONDUT, AND ALL OTHER ITEMS NECESSARY FOR INSTALLATION AND CONTROL OF HEAT PUMP AIR CONDITIONING SYSTEM. CONTRACTOR SHALL PROVIDE A COMPLETE MECHANICAL LAYOUT WITH THE EXISTING EMS SYSTEM COMPUTER GRAPHICALLY DEPICTING MECHANICAL LAYOUT WITH ON SCREEN DISPLAYS THAT ARE CONTROLLED BY THE EXISTING ENERGY MANAGEMENT SYSTEM (EMS). PROGRAMMING IS TO ALSO INCLUDE INTERFACE TO EXISTING PROGRAM DESIGNED TO CALCULATE TENANT OVERTIME USAGE OF THE AIR CONDITIONING SYSTEM. CONTRACT BUILDING CONTROLS SERVICE SHALL PROVIDE A COMPLETE AND OPERATIONAL CONTROL SYSTEM IS TO BE PROVIDED.

THERMOSTATS ARE TO BE WHITE-RODGERS, MODEL 1F86-344 SINGLE STAGE NON-PROGRAMMABLE TYPE.
THE ABOVE NOTES APPLY TO ALL EQUIPMENT IN THE TENANT SPACES, INCLUDING EXISTING HEAT PUMPS.

SYMBOL LEGEND

- HEAT PUMP A/C UNIT AS NOTED
- EXISTING EQUIPMENT AS NOTED
- SUPPLY AIR DIFFUSER AS NOTED
- RETURN/TRANSFER GRILLE AS NOTED
- EXISTING SUPPLY AIR GRILLE
- EXISTING RETURN/TRANSFER GRILLE
- DUCTWORK AS NOTED
- EXISTING DUCTWORK TO REMAIN
- DUCT TRANSITION
- TYPE B FIRE DAMPER
- W/ACCESS DOOR
- MOTORIZED BACKDRAFT/VOLUME DAMPER, GREENCHECK VCDR33
- MANUAL VOLUME DAMPER
- THERMOSTAT AS NOTED
- FLEXIBLE DUCT, U.L. CLASS 1
- CONNECTION TO EXISTING EQUIPMENT
- TAKE-OFF WITH VOLUME DAMPER FOR FLEXIBLE DUCT
- DUCT SMOKE DETECTOR WITH AUDIBLE & VISUAL ALARMS

ABBREVIATIONS

- HP HEAT PUMP
- WATER SOURCE TYPE
- EHP EXISTING HEAT PUMP
- S/A SUPPLY AIR
- R/A RETURN AIR
- O/A OUTSIDE AIR
- E/A EXHAUST AIR
- CFM CUBIC FEET PER MINUTE
- MWD MANUAL VOLUME DAMPER (OPPOSED BLADE TYPE)
- FD FIRE DAMPER
- CD CONDENSATE DRAIN
- CMS CONDENSER WATER SUPPLY
- CWR CONDENSER WATER RETURN

PLAN KEYNOTES:

- EXTEND EXISTING COPPER CWS&R PIPING IN THIS AREA
- PROVIDE NEW HEAT PUMP CONDENSATE PUMP AS REQUIRED. CONDENSATE PUMP AS REQUIRED. (TYPICAL)
- PROVIDE SQUARE TO ROUND SHEETMETAL TRANSITION FROM EXISTING DUCT AS REQUIRED. FIELD VERIFY EXACT SIZES AND CONDITIONS (TYPICAL)
- PROVIDE FLATTENED DUCT TRANSITION UNDER BEAM IN THIS AREA AS REQUIRED. FIELD VERIFY.
- PROVIDE NEW FLEXIBLE DUCT AS REQUIRED FOR CONNECTION TO EXISTING DIFFUSERS AS SHOWN (TYPICAL).
- PROVIDE HORIZONTAL 2-HOUR RATED SHAFTWALL CONNECTION TO EXISTING TENANT SEPARATION WALL ABOVE CEILING, AS REQUIRED TO EXTEND EXISTING OUTSIDE AIR DUCT.

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REVISIONS

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DRAWN BY GD

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EXISTING HVAC FLOOR PLAN

1/8" = 1'-0"

