

ABBREVIATIONS KILOWATT ARCHITECT ACOUSTICALLY LINED BRAKE HORSEPOWER BRITISH THERMAL UNIT THOUSAND BTU PER HOUR BTU PER HOUR MOTORIZED DAMPER BALL VALVE OR BALANCING VALVE MECHANICAL MANUFACTURER BUTTERFLY VALVE MINIMUM CFS CUBIC FEET PER SECOND NOT TO SCALE CENTERLINE CEILING OUTSIDE AIR CLEANOUT OUTSIDE AIR DAMPER COLUMN OUTSIDE AIR TEMPERATURE CONC CONCRETE OPPOSED BLADE DAMPER **CONDENSATE** CONN OUTSIDE DIAMETER CONNECTION OUTSIDE AIR OUTLET VELOCITY CTE CONNECT TO EXISTING PUMP OR PRESSURE OR POLE CUBIC FEET PUMPED CONDENSATE CUBIC INCH CU IN PRESSURE DROP CONSTANT VOLUME PREFILTER
PHASE (ELECTRICAL) COLD WATER POINT OF CONNECTION PRESSURE REDUCING VALVE DRY BULB TEMPERATURE PRESSURE SENSOR DIRECT DIGITAL CONTROL POUNDS PER SQUARE INCH PSI GAUGE DEFL DEFLECTION DATA GATHERING PANEL DIAMETER QTY QUANTITY DIFF DIFFERENCE RETURN AIR DIFFERENTIAL PRESSURE RETURN AIR DAMPER DEW POINT TEMPERATURE REVISE OR REVISION REV. DUCT SMOKE DETECTOR OR REVOLUTIONS DIAPHRAGM VALVE RETURN FAN DRAWING(S) RELATIVE HUMIDITY DIRECT EXPANSION ROOM REVOLUTIONS PER MINUTE EXHAUST AIR OR EACH TEMPERATURE SENSOR EXHAUST AIR DAMPER CFM, STANDARD CONDITIONS ENTERING AIR TEMPERATURE SMOKE DAMPER **ECON ECONOMIZER** SUPPLY FAN EXTRACTOR DAMPER X SHEET NOTE ENTERING DRY BULB TEMPERATURE STATIC PRESSURE EXHAUST FAN **SPECIFICATIONS** EFFICIENCY SQ IN SQUARE INCH STRAINER OR SOUND TRAP **ELECTRICAL** SPLITTER DAMPER OR STANDARD ENERGY MANAGEMENT SYSTEM STRUCT STRUCTURAL EQUIPMENT EXTERNAL STATIC PRESSURE THERMOMETER OR THERMOSTAT ENTERING WET BULB TEMPERATURE TEMPERATURE CONTROL PANEL ENTERING WATER TEMPERATURE TD TRANSFER DUCT **EXISTING** TOTAL DYNAMIC HEAD **EXHAUST** TEMPERATURE **EXTERNAL** TENANT IMPROVEMENT TRANSFER GRILLE FAHRENHEIT OR FILTER TEMPERATURE SENSOR FLEXIBLE CONNECTION TEST TAP OR TEST TEE FIRE DAMPER FINAL FILTER OR FINISHED FLOOR VENT OR VOLT OR VELOCITY FLOOR VARIABLE AIR VOLUME FEET PER MINUTE VOLUME DAMPER FEET PER SECOND FIRE/SMOKE DAMPER VELOCITY FOOT OR FEET VERT VERTICAL VARIABLE FREQUENCY DRIVE VFD GAS VOL VOLUME GAUGE, GAGE WASTE OR WIDTH OR WATTS GALLONS GALV GALVANIZED WITHOUT GALLONS PER MINUTE WET BULB TEMPERATURE WATER GAUGE HEIGHT HOSE BIB **HEATING COIL** HDHEAD **HORIZONTAL** HORSEPOWER OR HEAT PUMP HEATING, VENTILATING & AIR COND. HOT WATER HOT WATER RETURN HOT WATER SUPPLY

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MECHANICAL DRAWING LIST

MECH INFORMATION AND DRAWING LIST - MECHANICAL M-002 HVAC SCHEDULES M-003 HVAC CALCULATIONS M-004 HVAC CALCULATIONS

M-110 OVERALL HVAC PLAN M-111 PARTIAL FIRST FLOOR HVAC PLAN M-112 PARTIAL FIRST FLOOR HVAC PLAN M-120 BASEMENT HVAC PLAN

M-301 MECHANICAL DETAILS

SPECIFICATIONS - MECHANICAL SPECIFICATIONS - MECHANICAL M-903 SPECIFICATIONS - MECHANICAL

GENERAL NOTES - MECHANICAL

- VERIFY ALL CONNECTIONS TO EXISTING WORK.
- 2. CONTRACTORS SHALL VISIT SITE AND BE FULLY COGNIZANT OF ALL CONDITIONS PRIOR TO SUBMITTING PROPOSAL.
- 3. DURING ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL MAINTAIN ADEQUATE FIRE EXTINGUISHERS READY FOR USE IN CASE OF FIRE.
- 4. PROTECTION OF PUBLIC: THE CONTRACTOR SHALL PROTECT THE PUBLIC FROM INJURY DURING PROGRESS OF THE WORK BY POSTING WARNING SIGNS, GUARD LIGHTS AND BARRICADES.
- 5. THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL & PLUMBING CHARACTERISTICS WITH ALL SUB CONTRACTOR. ALL ELECTRICAL APPARATUS SERVING THE MECHANICAL EQUIPMENT SHALL FULLY COMPLY WITH ELECTRICAL AND CONTROL REQUIREMENTS.
- 6. OBTAIN WRITTEN PERMISSION OF ARCHITECT BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS.
- 7. FURNISH AND INSTALL MATERIALS, EQUIPMENT AND LABOR AS SHOWN AND AS NECESSARY FOR COMPLETE WORKABLE SYSTEMS.
- 8. RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK.
- 9. PROVIDE TWO SETS OF "AS-BUILT" DRAWINGS AND TWO BOUND SETS OF ALL OPERATIONS MANUALS, DIAGRAMS, SERVICE CONTRACTS, GUARANTEES, ETC. TO THE PROPERTY MANAGER. PROVIDE ONE SET OF "AS-BUILT" DRAWINGS TO
- 10. WHERE APPLICABLE, THERMOSTATS SHALL BE ABLE TO: a. MAINTAIN SPACE TEMPERATURE SET POINTS FROM 55 DEGREES TO 85
- SEQUENCE HEATING AND COOLING AND PROVIDE A 5 DEGREES DEADBAND IN WHICH NO HEATING OR COOLING IS PROVIDED TO THE SPACE.
- 11. PROVIDE THE MANUFACTURERS AND CODE REQUIRED CLEARANCES BETWEEN EQUIPMENT CONTROLS AND BEAMS, PIPES, DUCTS, LIGHT FIXTURES, CONDUITS, WALLS OR OTHER OBSTRUCTIONS.
- 12. THERMOSTAT HEIGHT SHALL BE 48" ABOVE FINISHED FLOOR IN MANAGER'S OFFICE. LOCATIONS OF REMOTE TEMPERATURE SENSORS IN SALES AREA ARE TO BE APPROVED BY PM.
- 13. ALL PIPE AND DUCT INSULATION SHALL MEET THE REQUIREMENTS OF THE LOCAL ENERGY CODE.
- 14. MECHANICAL SYSTEM CONTROLS SHALL MEET THE REQUIREMENT OF THE LOCAL ENERGY CODE AND BE ABLE TO INTERFACE WITH EXISTING BUILDING CONTROLS.
- 15. PROVIDE REQUIRED DUCT AND PIPING INSULATION PER THE LOCAL ENERGY
- 16. CONTRACTOR SHALL PROVIDE ALL CODE REQUIRED MECHANICAL EQUIPMENT AND PIPE SEISMIC RESTRAINT. THE SEISMIC RESTRAINTS SHALL BE DESIGNED AND STAMPED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF THE
- 17. ALL RIGID ROUND OR OVAL DUCT SHALL BE SPIRAL WOUND, TYPICAL.

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ISSUED / REVISED DATE PRELIMINARY SET 09/08/16 LL COORDINATION SET 11/08/16 LL/PERMIT SET

MECH INFORMATION AND DRAWING LIST-MECHANICAL

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