1 ENLARGED LEVEL 2 FLOORPLAN - HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. COORDINATE ALL WALL CAP AND SOFFIT VENT LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. ALL WALL CAPS AND SOFFIT VENTS SHALL HAVE BACKDRAFT DAMPERS. TOILET EXHAUST SHALL INCLUDE INSECT SCREEN.
3. ALL RETURN AIR GRILLES SHALL HAVE OPPOSED BLADE DAMPER OR DUCTBOARD BAFFLE.
4. MAINTAIN A MINIMUM OF 3'-0" BETWEEN ALL OPERABLE BUILDING OPENINGS AND ANY EXHAUST TERMINATIONS AND PLUMBING VENTS.
5. MAINTAIN A MINIMUM OF 10'-0" BETWEEN ALL MECHANICAL VENTILATION INTAKES AND ANY EXHAUST TERMINATIONS AND PLUMBING VENTS.
6. THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, DEVICES, CONDUIT, AND OTHER APPURTENANCES RELATED TO THE INSTALLATION OF MECHANICAL WORK SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL NOT SCALE DRAWINGS, BUT SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF BUILDING COMPONENTS. SHOULD A CONFLICT EXIST BETWEEN THE ARCHITECTURAL AND ENGINEERING DRAWINGS REGARDING DIMENSIONS AND SCALE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE DISCREPANCY.
7. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT, OR LABOR REQUIRED TO PRODUCE A COMPLETE AND PROPERLY OPERATING INSTALLATION.
8. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY DEPICT EXACT CONDITIONS. THE LOCATION OF EQUIPMENT, DUCTWORK, ETC. IS APPROXIMATE ONLY. THE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT TO BE SCALED. SCALES ARE SHOWN FOR REFERENCE AND APPROXIMATION ONLY. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL DATA OF BUILDING COMPONENTS.
9. INSTALL ALL DUCTWORK AS TIGHT TO STRUCTURE AS POSSIBLE, IN ORDER TO MAXIMIZE CEILING HEIGHTS.
10. PROVIDE ALL OFFSETS AND TRANSITIONS IN DUCTWORK AS NEEDED TO MAINTAIN CEILING HEIGHTS AND TRANSITION OVER OR UNDER EXISTING AND NEW DUCTWORK AND OTHER BUILDING SYSTEMS. WHETHER SHOWN ON DRAWINGS OR NOT.
11. COORDINATE DUCTWORK WITH STRUCTURE, LIGHTING, SPRINKLERS, ETC. PRIOR TO CONSTRUCTION.
12. COORDINATE ALL THERMOSTAT LOCATIONS IN FIELD AND WITH OWNER PRIOR TO INSTALLATION.
13. CONTRACTOR SHALL MAKE EVERY EFFORT TO INSTALL DUCTWORK IN ORDER TO MINIMIZE DUCT TRANSITIONS, FITTINGS, AND ELBOWS AS MUCH AS POSSIBLE TO REDUCE SYSTEM STATIC PRESSURE.
14. ROUND AND RECTANGULAR ELBOWS SHALL BE IN STRICT CONFORMANCE OF THE SPECIFICATIONS. SEGMENTED ELBOWS ARE NOT ALLOWED.
15. CONVERGING AND DIVERGING AIRFLOWS SHALL BE PROVIDED WITH FITTINGS CONFORMING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE", LATEST EDITION, TO MINIMIZE SYSTEM PRESSURE DROP.
16. NOT ALL VOLUME CONTROL DAMPERS ARE INDICATED ON THE DRAWINGS. PROVIDE DAMPERS PER THE SPECIFICATIONS AND AS REQUIRED FOR BALANCING MAIN AND BRANCH TAKE-OFF AIRFLOWS TO THE DOWNSTREAM CFM SHOWN.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COORDINATION DRAWINGS TO SCALE, AS REQUIRED, USING INPUT FROM ALL OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. CONTRACTOR DRAWINGS SHALL INDICATE DUCT INSTALLATION IN CONGESTED SPACES, INDICATING COORDINATION WITH GENERAL CONSTRUCTION, BUILDING COMPONENTS, CEILING ELEVATIONS, AND OTHER BUILDING SERVICES. INDICATE PROPOSED CHANGES TO DUCT LAYOUT.

KEYNOTES (APPLIES TO THIS SHEET ONLY)

1. ROUTE 7"ø OUTSIDE AIR INTAKE FROM LOUVRE TO HVAC CLOSET WITH CEILING RADIATION DAMPER AT CEILING PENETRATION. CONNECT OA DUCT TO AIR HANDLER RETURN AIR DUCT. PROVIDE MANUAL VOLUME DAMPER AND BALANCE TO CFM SHOWN ON SCHEDULE.
2. ROUTE 14x14 SA DUCT UP INTO STRUCTURE WITH FIRE DAMPER AT CEILING PENETRATION. PROVIDE ACCESS PANEL IN CEILING AND PLENUM BOX TO SERVICE DAMPER.
3. ROUTE PRIMARY CONDENSATE TO HUB DRAIN. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION OF HUB DRAIN.

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no.	date	revision

Project Name
DEEP ELLUM

Project Number
216111

Date
07.07.2017

Scale
As indicated

Drawing
ENLARGED LEVEL 2 FLOORPLAN - HVAC

M2.22

NOT FOR CONSTRUCTION

50% CD

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