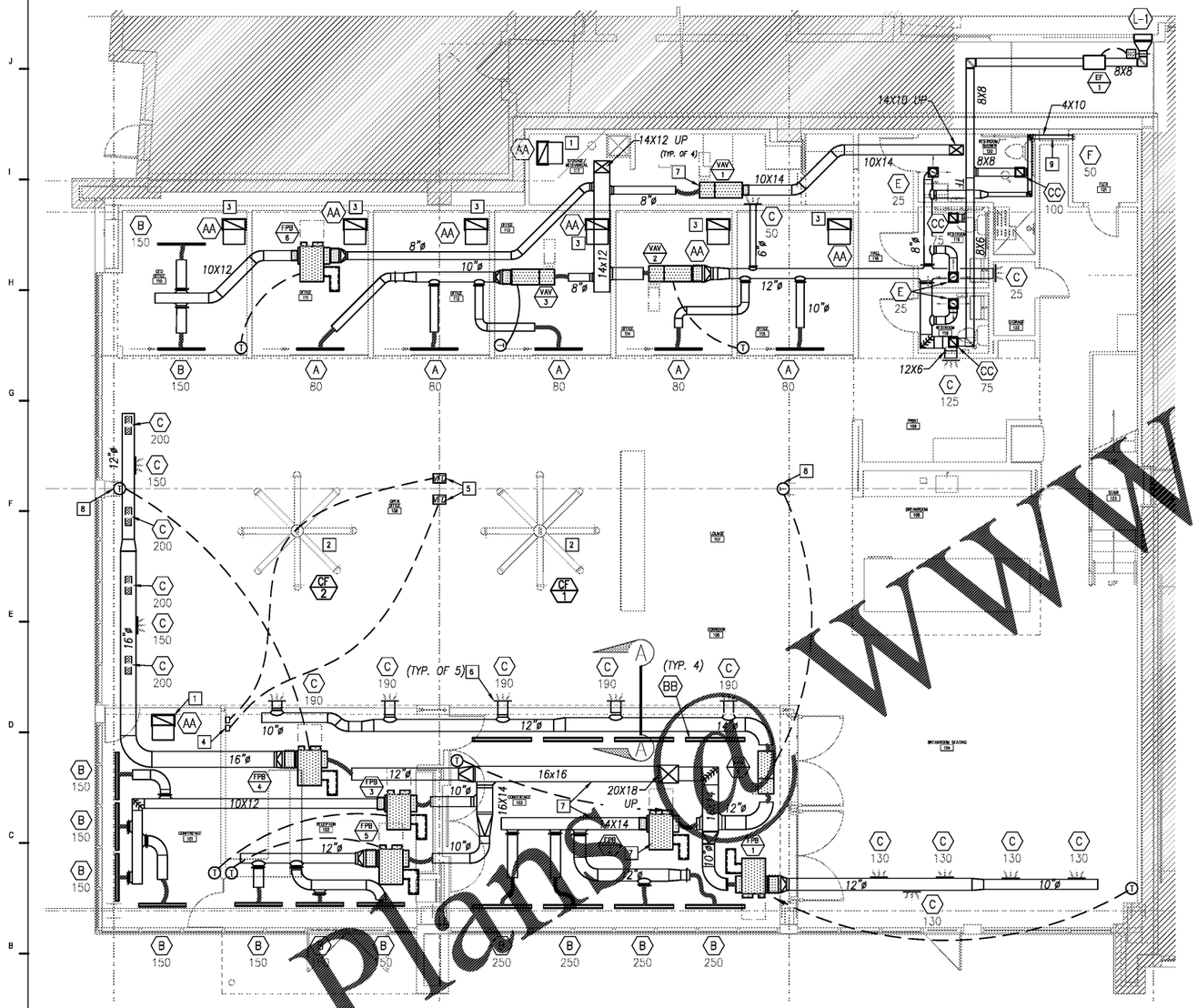
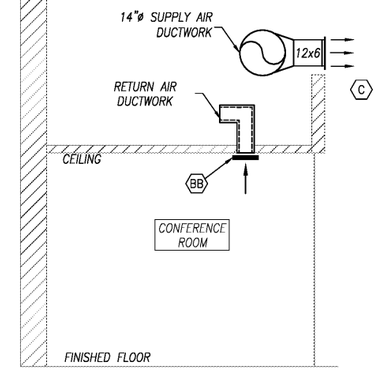


FIRST FLOOR PLAN - MECHANICAL
3/16" = 1'-0"



SECTION CUT A-A
NOT TO SCALE

GENERAL HVAC NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCTS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'.
4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.
10. ALL EXPOSED DUCTWORK SHALL BE HUNG VIA GRIPPLE TYPE CABLE SYSTEM.

HVAC PLAN KEYED NOTES

1. PROVIDE LINED SOUND BOOT ON RETURN GRILLE.
2. HIGH VOLUME, LOW SPEED FAN WITH MANUAL CONTROLLER COORDINATE ADJACENT ELEVATION WITH LIGHT FIXTURES. PROVIDE NECESSARY SUPPORTS TO STRUCTURE.
3. RETURN GRILLE SHALL BE INSTALLED IN LIGHT COVE WITH 22X10 LINED SOUND BOOT.
4. WALL MOUNTED CEILING FAN SPEED CONTROLLER (QTY:2).
5. INSTALL VFD ABOVE DROPPED ACOUSTICAL CEILING.
6. INSTALL SUPPLY GRILLE JUST ABOVE WALL.
7. INSTALL DUCTWORK AND EQUIPMENT AS LOW AS POSSIBLE.
8. PROVIDE TEMPERATURE SENSOR WITH DARK COVERPLATE TO MATCH BACKGROUND. COORDINATE COLOR WITH ARCHITECT.
9. COORDINATE DUCTWORK WITH WATER SHUT OFF VALVE.

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PROJECT NUMBER: A1718

SEAL

ISSUED FOR:	DATE:
95% CDS	12.22.2017
Permit Set	01.12.2018

MECHANICAL PLAN

M101