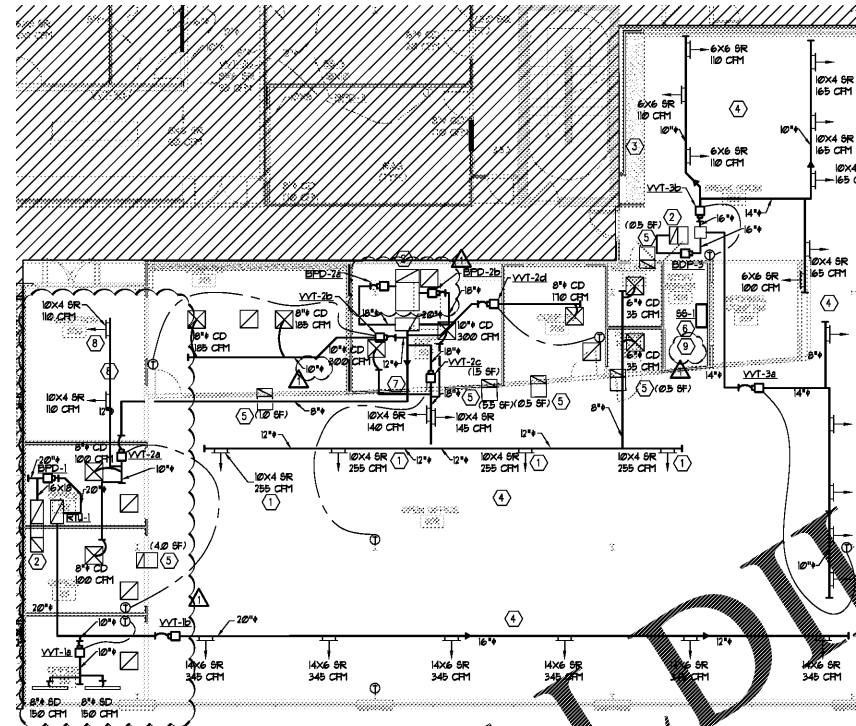


Order Plans



1 THIRD FLOOR PLAN - MECHANICAL
M1.3 1/8" = 1'-0"

WT SCHEDULE		
I.D. TAG	CFM	MINIMUM SIZE
WT-1a	300	8"Ø
WT-1b	2070	18"Ø
BPD-1	2070	18"Ø
WT-2a	420	8"Ø
WT-2b	370	8"Ø
WT-2c	1375	14"Ø
WT-2d	170	8"Ø
BPD-2a	1083	12"Ø
BPD-2b	1083	12"Ø
WT-3a	925	12"Ø
WT-3b	1090	12"Ø
BPD-3	1090	12"Ø

GENERAL NOTES (APPLIES TO ALL SHEETS)

- EXACT LOCATION OF ALL AIR DISTRIBUTION DEVICES SHALL BE COORDINATED WITH THE ARCHITECTURAL FLOOR PLAN.
- MATERIALS EXPOSED WITHIN THE PLENUM SHALL BE NONCOMBUSTIBLE OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E 84.
- COORDINATE ALL WORK ON OTHER FLOORS AND IN OTHER TENANT SPACES WITH OWNERS REP SO THAT WORK DOES NOT INTERFERE WITH OTHER TENANTS.
- REPAIR AND REPLACE ANY WORK THAT DOES NOT MEET SPECIFICATION SECTION 15840. SEAL ANY HOLES IN DUCTWORK WITH SHEET METAL AND "HARDCAST".
- COORDINATE THE LOCATION OF THERMOSTATS WITH FINAL FURNITURE LAYOUT, EQUIPMENT LAYOUT, ARCH AND OWNERS REPRESENTATIVES. THERMOSTATS SHALL MATCH BASE BUILDING T'STATS IN EVERY RESPECT. CONTRACTOR SHALL TIE T'STATS INTO EXISTING EMS AND UPDATE IT ACCORDINGLY.
- REBALANCE ALL EXISTING TERMINAL UNITS TO NEW CFM INDICATED.
- CONTRACTOR SHALL FIELD VERIFY EXIST LOCATIONS OF EXISTING TERMINAL UNITS WITH ARCHITECTURAL FLOOR PLAN. IF ANY TERMINAL UNITS ARE IN CONFLICT WITH NEW WALLS TO DECK TERMINAL UNITS SHALL BE RELOCATED TO MAINTAIN ALL REQUIRED SERVICE AND NEC CLEARANCES.
- EXISTING DIFFUSERS AND THERMOSTATS MAY BE RE-USED IF IN GOOD WORKING CONDITION AND IF THEY ARE ADEQUATE SIZE.
- NEW TERMINAL UNITS SHALL MATCH BASE BUILDING STANDARDS IN EVERY ASPECT. NEW UNITS SHALL TIE INTO BASE BUILDING EMS.
- THE INACTIVE SECTIONS OF THE PERIMETER SLOT SHALL BE FINISHED WITH PERFORATED STEEL, PAINTED FLAT BLACK, SELECTED TO MATCH THE CD. THESE SECTIONS SHALL BE OPEN TO THE PLENUM AS A RETURN AIR PATH.
- PROVIDE ALL MANUFACTURER AND NEC REQUIRED CLEARANCE FOR ALL EQUIPMENT.
- RELOCATE ALL SPRINKLER AND PLUMBING PIPING AS REQUIRED TO ACCOMMODATE NEW EQUIPMENT.
- AIR QUANTITIES AS SHOWN SHALL BE USED TO BALANCE SYSTEM PER NEW LAYOUT. CONTRACTOR SHALL VERIFY ACTUAL CAPACITY (CFM) OF THE EXISTING UNIT AND DISTRIBUTE THEM PROPORTIONALLY TO CFMs SHOWN TO ALL DIFFUSERS.
- UPDATE THE EMS GRAPHICS TO REFLECT THE NEW FLOOR PLAN, DUCT LAYOUT, LOCATION OF TERMINAL UNITS, LOCATION OF T'STAT ETC.
- ALL THERMOSTATS LOCATED ON EXTERIOR WALLS SHALL BE PROVIDED WITH INSULATED BACKING.
- THERE WILL BE NO LEAD ACID BATTERIES EXCEEDING A TOTAL OF 50 GALLONS OF ELECTROLYTE CAPACITY.
- ALL LOOP WATER VALVES, FITTINGS, COILS, ETC. SHALL BE RATED FOR 300 PSI.
- ALL OUTSIDE AIR DUCTWORK SHALL BE INSULATED.
- ALL THERMOSTATS SHOULD BE NEXT TO AND LEVEL WITH LIGHT SWITCHES.

KEY NOTES (APPLY THIS SHEET ONLY)

- MOUNT REGISTER ON SIDE OF DUCT, REGISTER FACE SHALL BE PERPENDICULAR TO GROUND. AIR SHALL FLOW AT A 0 DEGREE THROW ANGLE FROM REGISTER.
- PROVIDE FULL SIZE RETURN AIR DUCTWORK, TURN UP TOWARD CEILING AND TERMINATE WITH RETURN AIR REGISTER.
- INSTALL HUB DRAIN AT BREAK SINK FOR CONDENSATE.
- COORDINATE ALL DUCTWORK WITH LIGHTING AND ARCHITECTURAL FIXTURES IN THIS EXPOSED CEILING AREA.
- PROVIDE LINED RETURN AIR BOOT ABOVE CEILING WITH FREE AREA AS INDICATED ON PLANS. IF NECESSARY BECAUSE OF SPACE CONSTRAINTS MULTIPLE RETURN AIR BOOTS MAY BE USED FOR AN EQUAL FREE AREA. PROVIDE FIRE DAMPERS IF SHOWN, REFER TO DETAIL 3/MOLS.
- CONDENSING UNIT TO BE LOCATED ON ROOF, COORDINATE LOCATION WITH EXISTING CONDITIONS. ROUTE REFRIGERANT LINE PER MANUFACTURERS INSTRUCTIONS.
- COORDINATE DUCT CROSSING TO BE BETWEEN STRUCTURE.
- COORDINATE ANGLE OF SUPPLY REGISTER SO THAT THE SUPPLY AIR PATH IS NOT INTERRUPTED BY EXISTING STRUCTURE.
- ROUTE CONDENSATE FROM AIR HANDLING UNIT TO HUB DRAIN AT BREAK SINK. INSTALL PER MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS.

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BWA JOB # 2019-0895



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PROJECT NUMBER: 19-018
CONSTRUCTION ISSUE: 6.20.2019
TENANT REVIEW CLARIFICATIONS 07.03.2019

THIRD FLOOR PLAN - MECHANICAL
SCALE: AS NOTED

M1.3