



**GENERAL HYAC**

**NOTES**

1. CONCEALED DUCTWORK TO BE GALVANNEED SHEET METAL INSULATED WITH FIBERGLASS INSULATION AND FINISHED WITH 1/2" GYP BOARD. DUCTWORK SHALL BE INSTALLED PER SMACNA STANDARDS. DUCTWORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBERGLASS DUCT LINER, MIN. R-6, INSTALLED PER SMACNA STANDARDS.
2. ROUND FLEXIBLE DUCT TO BE UL-181 CLASS 1, AIR DUCT MATERIALS.
3. DUCT SIZES SHOWN ARE CLEAR, INSIDE DIMENSIONS.
4. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
5. PROVIDE UL LISTED 125°F FRESH AIR RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
6. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
7. CONDENSATE DRAINS TO BE PVC PIPE RUN TO FLOWERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
8. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOW PER PLANS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL, IN THE SAME LOCATION AS LIGHT SWITCHES). PROVIDE BACK DRAFTER DAMPER.
11. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FUTURE EXHAUST.
12. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR VOLUME CONTROL DAMPERS AT THE REGISTER.
13. LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
14. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
15. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
16. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CALKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF RESISTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E-814).
17. ALL ELECTRICAL SYMBOLS ARE DRAWN UNUSUALLY, ATYPICALLY, REGISTER, ETC.
18. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0".
19. REGISTER TO BE LOCATED CEILING PLANE FOR FAN, GRILLE AND DIFFUSER.
20. FAN LOCATION COORDINATE AS REQUIRED.
21. FAN LOCATION COORDINATE AS REQUIRED.
22. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHS. PLACE NEAR S/A AND S/A OPENINGS OF WALL AND PROVIDE WITH ACCESS PANEL, MARKING BY ELECTRICAL CONTRACTOR.
23. FRESH AIR INTAKES ARE REQUIRED TO HAVE WORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
24. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
25. FINISHED TENSILE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
26. SEE ROOF PLAN FOR ALL ROOF PENETRATIONS.

**MECHANICAL FLOOR PLAN, SCHEDULES AND DETAILS**

**NEW OFFICE BUILDING**

**MCMATH CONSTRUCTION**

LOT 2C PHILLIPS BUSINESS PARK  
2052 GAUSS BLVD. EAST, SLIDELL LA 70461

JOB No: 2416 DATE: 4/17/2020

DRAWN BY: CHECKED BY:

#	DESCRIPTION	DATE

**DAMMON**  
ENGINEERING, INC.

**LOUISIANA & MISSISSIPPI**

Chief Engineer: Brian Mlstich, PE  
554 Old Spanish Trail  
Slidell, LA 70458

www.dammonengineering.com  
info@dammonengineering.com  
PH: 985.649.5832