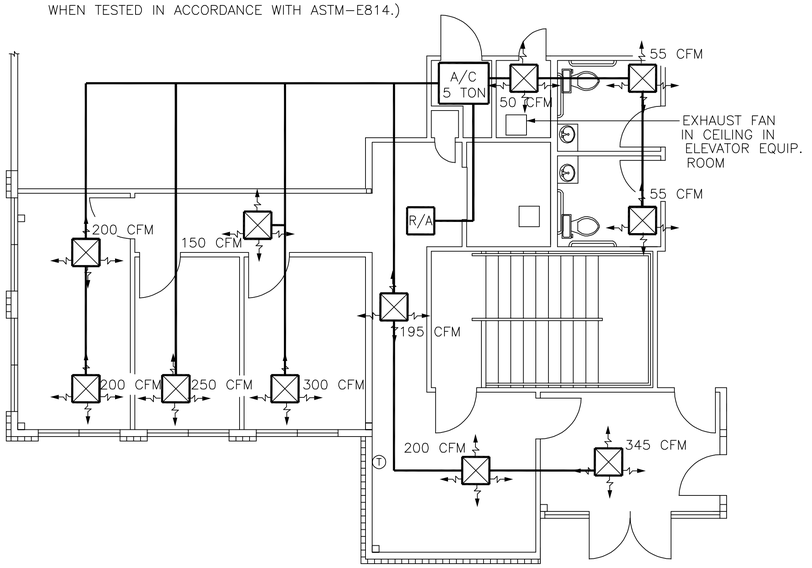
HVAC NOTES

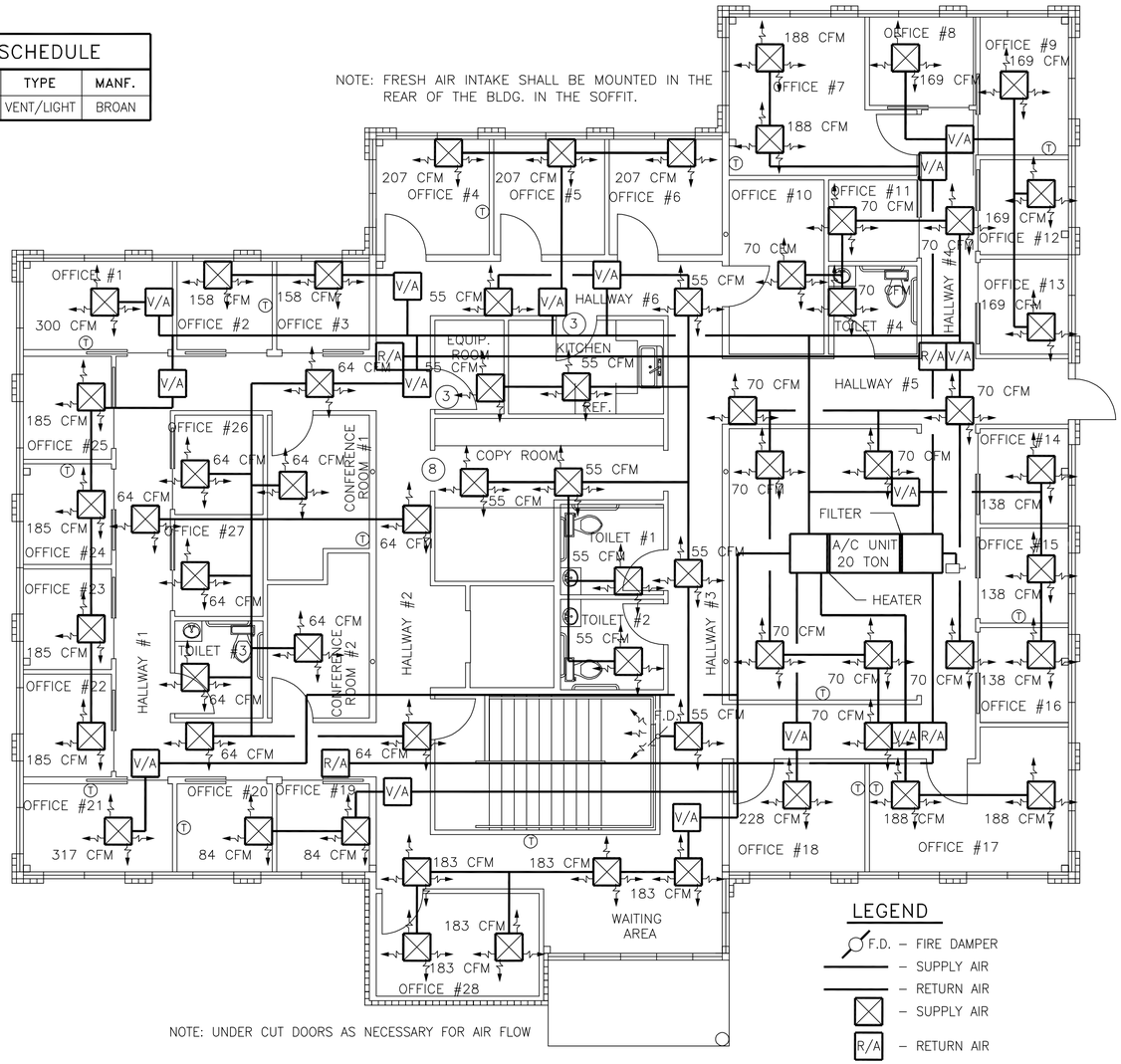
1. CONCEALED DUCTWORK TO BE UL–181, CLASS I, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 CFM & SECONDARY DUCTS TO 600 CFM. TO BE INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACA STANDARDS. LINE WITH NEOPRENE COATED 1.0", 1.5 POUNDS PER CUBIC FOOT DUCT INSULATION.
3. ROUND FLEXIBLE DUCT TO BE UL–181, CLASS I, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWN–STREAM OF THE AIR HANDLING UNIT AND ALL FILTERS, TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE U.L. LISTED 125 F FIRESHOT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN FAN IN THE EVENT OF FIRE.
7. PROVIDE U.L. RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE–RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P–TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF. OR EQUAL. FAN SHALL BE CONTROLLED BY SWITCH ON WALL AT LIGHT SWITCH. PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT ON ROOF FOR TOILET EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
14. LOCATION OF OUTDOOR UNITS SHALL BE AS SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL PROVIDE A 4" CONCRETE REINFORCED PAD FOR EACH CONDENSING UNIT.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURES INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH THE SOFFIT DUCT SUPPLIED WITH A CONTROL DAMPER.
17. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HR. CEILING.
18. ALL ELECTRICAL, MECHANICAL & PLUMBING PENTRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM–E814.)

EXHAUST FAN SCHEDULE				
LOC	CFM	VOLTAGE	TYPE	MANF.
TOILETS	100	120	VENT/LIGHT	BROAN

ZONE AREAS	
ROOM	ZONE#
OFFICE #1	ZONE 15
OFFICE #2	ZONE 14
OFFICE #3	ZONE 14
OFFICE #4	ZONE 13
OFFICE #5	ZONE 13
OFFICE #6	ZONE 13
OFFICE #7	ZONE 12
OFFICE #8	ZONE 11
OFFICE #9	ZONE 11
OFFICE #10	ZONE 9
OFFICE #11	ZONE 9
OFFICE #12	ZONE 11
OFFICE #13	ZONE 9
OFFICE #14	ZONE 10
OFFICE #15	ZONE 10
OFFICE #16	ZONE 10
OFFICE #17	ZONE 6
OFFICE #18	ZONE 5
OFFICE #19	ZONE 3
OFFICE #20	ZONE 3
OFFICE #21	ZONE 2
OFFICE #22	ZONE 1
OFFICE #23	ZONE 1
OFFICE #24	ZONE 1
OFFICE #25	ZONE 1
OFFICE #26	ZONE 7
OFFICE #27	ZONE 7
OFFICE #28	ZONE 4
CONFERENCE ROOM #1	ZONE 7
CONFERENCE ROOM #2	ZONE 7
EQUIPMENT ROOM	ZONE 8
TOILET #1	ZONE 8
TOILET #2	ZONE 8
TOILET #3	ZONE 8
TOILET #4	ZONE 8
WAITING AREA	ZONE 4
KITCHEN	ZONE 8
STAIRS	ZONE 8
COPY ROOM	ZONE 8
HALLWAY #1	ZONE 7
HALLWAY #2	ZONE 7
HALLWAY #3	ZONE 8
HALLWAY #4	ZONE 9
HALLWAY #5	ZONE 9
HALLWAY #6	ZONE 8



FIRST FLOOR MECHANICAL PLAN
SCALE: 3/16"=1'–0"



SECOND FLOOR MECHANICAL PLAN
SCALE: 3/16"=1'–0"

REVISED 2/21/03

SECOND FLOOR MECHANICAL

ABEK REAL ESTATE
OAK HARBOR DR.
SLIDELL, LOUISIANA

ABEK REAL ESTATE

DAMMON ENGINEERING, INC.
ARCHITECTS — ENGINEERS
2000 OLD SPANISH TRAIL, STE 100 SLIDELL, LA. 70458
OFFICE 100 985-649-5832
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1489
DATE: 2–21–03
SHEET
M–1
OF