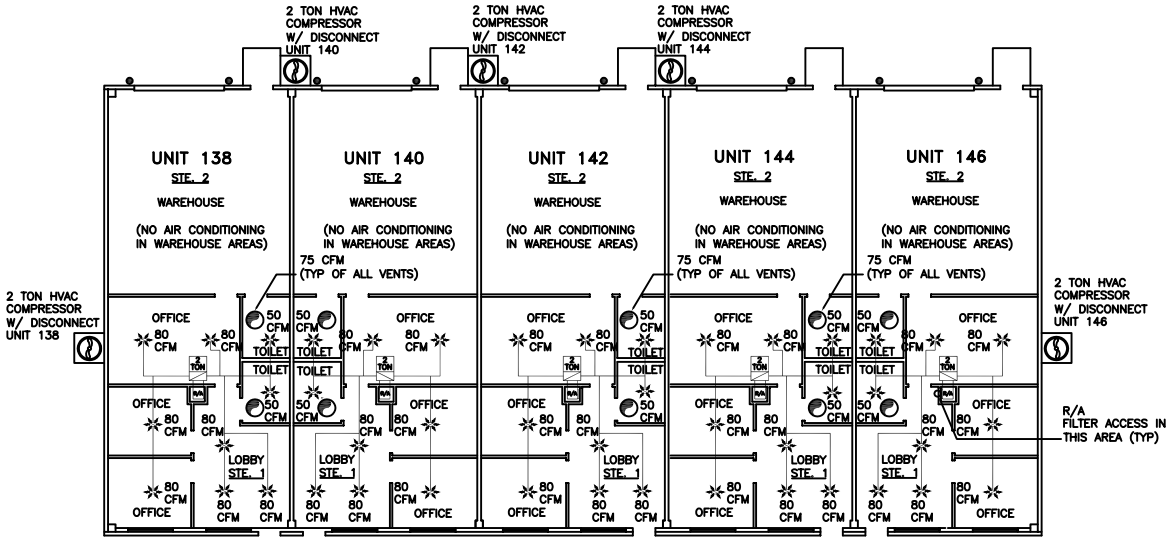

LEGEND

- ✳ – SUPPLY AIR
- —— – SUPPLY AIR LINE
- ⊘ – EXHAUST FAN

MECHANICAL PLAN
SCALE: 3/16"=1'-0"

A/C UNIT SCHEDULE

NO.	TOTAL BTU	CFM	O.A.	HEAT (KW)	ELECTRICAL			COMMENTS
					VOLTAGE	MCA	CKT BRKR	
1	24,000	800	150	5	208	*	*	GOODMAN, UNIT 138
2	24,000	800	150	5	208	*	*	GOODMAN, UNIT 140
3	24,000	800	150	5	208	*	*	GOODMAN, UNIT 142
4	24,000	800	150	5	208	*	*	GOODMAN, UNIT 144
5	24,000	800	150	5	208	*	*	GOODMAN, UNIT 146

* PER MANUFACTURED OF A/C UNIT

EXHAUST FAN SCHEDULE

LOC	CFM	VOLTAGE	TYPE	MANF.
TOILETS	75	120	VENT/LIGHT	BROAN

HVAC NOTES

1. CONCEALED DUCTWORK TO BE UL-181, CLASS I, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 FPM & SECONDARY DUCTS TO 600 FPM. INSTALL 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. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 1500 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE SUPPLY DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS, TO AUTOMATICALLY STOP THE FAN ON ACTIVATION. (INSTALL DETECTOR IN LOCATION PRESCRIBED BY LOCAL AUTHORITY)
5. 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.
6. 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.
7. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
8. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
9. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
10. EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF. OR EQUAL. FAN SHALL BE CONTROLLED BY SWITH ON WALL AT LIGHT SWITCH. PROVIDE BACK DRAFT DAMPER.
11. PROVIDE AND INSTALL WATER PROOF GRILLE VENT ON ROOF FOR TOILET EXHAUST.
12. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
13. LOCATION OF OUTDOOR UNITS SHALL BE AS SHOWN ON PLAN. MECHANICAL CONTRACTOR SHALL PROVIDE A 4" CONCRETE REINFORCED PAD FOR EACH CONDENSING UNIT.
14. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURES INSTRUCTIONS.
15. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH ROOF TOP DUCT SUPPLIED WITH A CONTROL DAMPER.
16. 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.)

MECHANICAL PLAN

REINE CONSTRUCTION CORP.
HOWZE BEACH ROAD
SLIDELL, LOUISIANA

NEW OFFICE BUILDING

DAMMON ENGINEERING, INC.
1095 FLORIDA AVENUE 985-649-5532 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO.1689
DATE:06-17-05
SHEET 12
M-1
OF 13