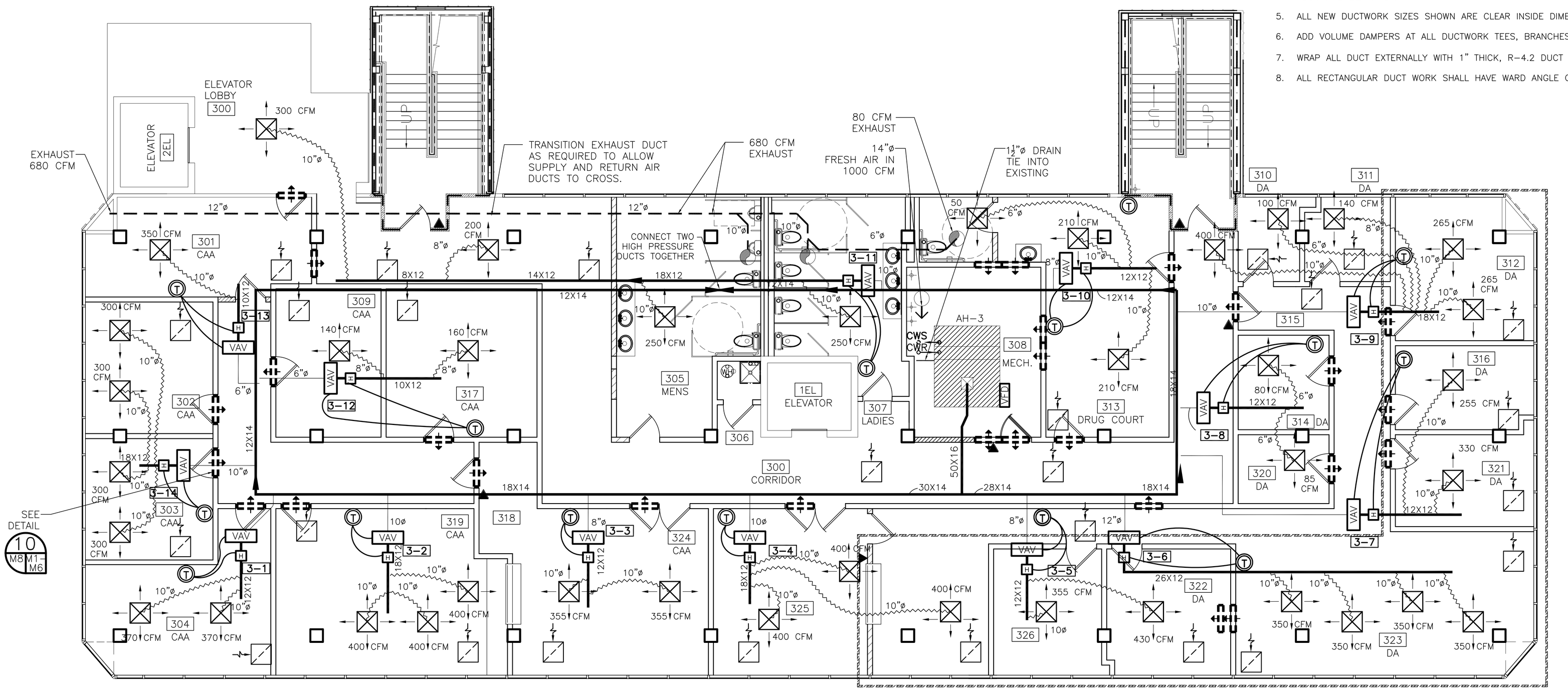
LEGEND

- HVAC SUPPLY DUCT
- EXHAUST DUCT
- HVAC AIR REGISTER 24 X 24, TITUS #TMS
- THERMOSTAT
- RETURN AIR GRILLE TO BE TITUS #50.
- RETURN AIR CASED OPENING IN WALL – (ROOM TO CEILING)– TO EQUAL 200 SQ. IN.
- ELECTRIC DUCT HEATER
- VAV – VARIABLE AIR VOLUME DAMPER
- EXHAUST BLOWER
- VFD – VARIABLE FREQUENCY DRIVER

NOTES:

1. EACH ROOM TO HAVE AN OPENING BETWEEN ROOM CEILING SPACE AND HALL CEILING FOR RETURN AIR (32X12, TYP).
2. RETURN AIR ABOVE CEILING IN MECHANICAL ROOM COORDINATE LOCATION OF OPENINGS IN FIELD.
3. HVAC DUCTS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO INSTALL TO MEET EXISTING CONDITIONS.
4. WHERE DUCTS AND/ OR VAV BOXES ARE SHOWN AS FUTURE, RUN DUCT INTO ROOM AND BLANK OFF.
5. ALL NEW DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
6. ADD VOLUME DAMPERS AT ALL DUCTWORK TEES, BRANCHES, AND TAKE OFFS.
7. WRAP ALL DUCT EXTERNALLY WITH 1" THICK, R–4.2 DUCT WRAP.
8. ALL RECTANGULAR DUCT WORK SHALL HAVE WARD ANGLE CONNECTIONS.



THIRD FLOOR MECHANICAL PLAN

SCALE: 3/16"= 1'–0"

3RD FLOOR HVAC EQUIPMENT- VAV BOXES									
					REHEAT		ELECTRICAL		
ROOM	VAV NO.	MAX CFM	COOL CFM	MIN CFM	KW	STAGES	VOLTAGE	PHASE	VAV VALVE SIZE
304	3-1	900	740	315	4	2	277	1	8" DIAMETER
319	3-2	1,400	1,200	420	5.5	2	277	1	10" DIAMETER
318	3-3	900	710	315	4	2	277	1	8" DIAMETER
325	3-4	1,400	1,200	420	5.5	2	277	1	10" DIAMETER
326	3-5	900	785	315	4	2	277	1	8" DIAMETER

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.

TOTAL FLOOR CFM = 11,275

3RD FLOOR HVAC EQUIPMENT- VAV BOXES									
					REHEAT		ELECTRICAL		
ROOM	VAV NO.	MAX CFM	COOL CFM	MIN CFM	KW	STAGES	VOLTAGE	PHASE	VAV VALVE SIZE
323	3-6	2,000	1,400	600	8.0	2	277	1	12" DIAMETER
321	3-7	900	585	210	3.0	2	277	1	8" DIAMETER
320	3-8	500	165	165	1.5	1	277	1	6" DIAMETER
312	3-9	1,400	1,170	820	11.0	2	277	1	10" DIAMETER
313	3-10	900	470	210	3	2	277	1	8" DIAMETER

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.

3RD FLOOR HVAC EQUIPMENT- VAV BOXES									
					REHEAT		ELECTRICAL		
ROOM	VAV NO.	MAX CFM	COOL CFM	MIN CFM	KW	STAGES	VOLTAGE	PHASE	VAV VALVE SIZE
307	3-11	1,400	1000	600	8	2	277	1	10" DIAMETER
317	3-12	500	300	250	3	2	277	1	6" DIAMETER
301	3-13	500	350	250	3	2	277	1	6" DIAMETER
303	3-14	1,400	1200	450	6	2	277	1	10" DIAMETER

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.

–INDICATES AREAS CHANGED– 10/17/08

RFP 6 REVISED: 10–17–08ab
HVAC REVISED: 11–05–07ab
REVISED: 06–04–07ab
REVISED: 05–10–07ab
REVISED: 05–02–07ab
REVISED: 04–09–07ab
REVISED: 03–30–07ab
REVISED: 03–22–07

REVISED: STAR SERVICE 6–2–08

RFP #2 11-13-07

3RD FLOOR MECHANICAL PLAN

ST. TAMMANY PARISH ADMIN. COMPLEX
520 OLD SPANISH TRAIL
SLIDELL, LOUISIANA

RENOVATE OFFICE BUILDING

DAMMON ENGINEERING. INC.
1095 FLORIDA AVENUE 985–649–5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1729
DATE:12–07–06
SHEET
M–3
OF