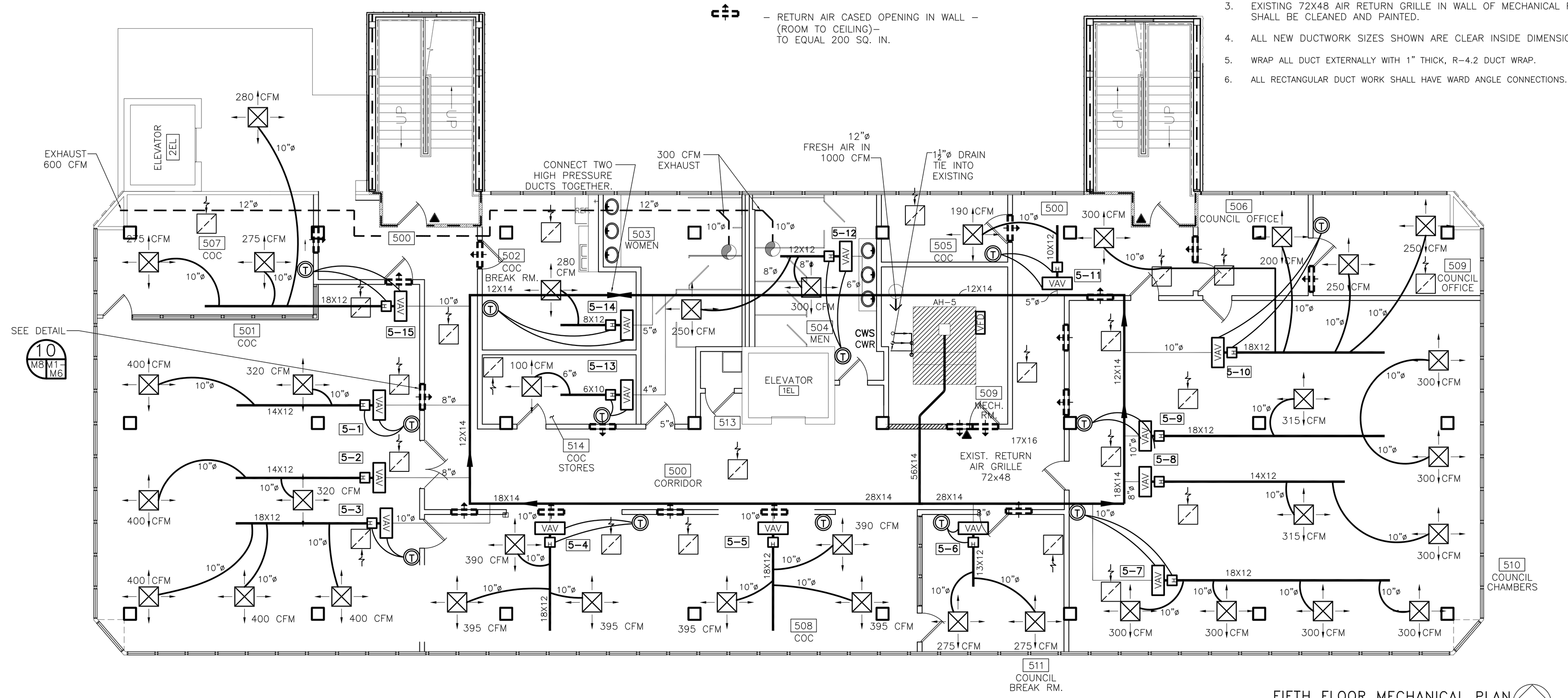
## LEGEND

- NEW HVAC SUPPLY DUCT
- NEW EXHAUST DUCT
- HVAC AIR REGISTER 24 X 24, TITUS #TMSA-AA
- THERMOSTAT
- ELECTRIC DUCT HEATER
- VAV – VARIABLE AIR VOLUME DAMPER
- EXHAUST BLOWER
- VFD – VARIABLE FREQUENCY DRIVER
- RETURN AIR GRILLE TO BE TITUS #50 W/ 1/2 X 1/2 CORE 500 FPM MECH. VEL., TOT. PRESS. .032" H2O 24 X 24
- RETURN AIR CASED OPENING IN WALL – (ROOM TO CEILING)– TO EQUAL 200 SQ. IN.

NOTES:

1. EACH ROOM TO HAVE AN OPENING BETWEEN ROOM CEILING SPACE AND HALL CEILING FOR RETURN AIR (32X12, TYP).
2. HVAC DUCTS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO INSTALL TO MEET EXISTING CONDITIONS.
3. EXISTING 72X48 AIR RETURN GRILLE IN WALL OF MECHANICAL ROOM SHALL BE CLEANED AND PAINTED.
4. ALL NEW DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. WRAP ALL DUCT EXTERNALLY WITH 1" THICK, R-4.2 DUCT WRAP.
6. ALL RECTANGULAR DUCT WORK SHALL HAVE WARD ANGLE CONNECTIONS.




FIFTH FLOOR MECHANICAL PLAN

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

| 5TH FLOOR HVAC EQUIPMENT- VAV BOXES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | REHEAT | | ELECTRICAL | | |
| ROOM | VAV NO. | MAX CFM | COOL CFM | MIN CFM | KW | STAGES | VOLTAGE | PHASE | VAV VALVE SIZE |
| 501 | 5-1 | 900 | 720 | 315 | 4.0 | 2 | 277 | 1 | 8" DIAMETER** |
| 501 | 5-2 | 900 | 720 | 315 | 4.0 | 2 | 277 | 1 | 8" DIAMETER** |
| 501 | 5-3 | 1,400 | 1,200 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |
| 508 | 5-4 | 1,400 | 1,180 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |
| 508 | 5-5 | 1,400 | 1,180 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.
**SLAVE BOXES 5-1 & 5-2.

| 5TH FLOOR HVAC EQUIPMENT- VAV BOXES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | REHEAT | | ELECTRICAL | | |
| ROOM | VAV NO. | MAX CFM | COOL CFM | MIN CFM | KW | STAGES | VOLTAGE | PHASE | VAV VALVE SIZE |
| 511 | 5-6 | 900 | 550 | 210 | 3.0 | 2 | 277 | 1 | 8" DIAMETER |
| 510 | 5-7 | 1,400 | 1,200 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |
| 510 | 5-8 | 900 | 615 | 210 | 3.0 | 2 | 277 | 1 | 8" DIAMETER*** |
| 510 | 5-9 | 1,400 | 915 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER*** |
| 510 | 5-10 | 1,400 | 1,000 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.
***SLAVE BOXES 5-8 & 5-9.

| 5TH FLOOR HVAC EQUIPMENT- VAV BOXES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | REHEAT | | ELECTRICAL | | |
| ROOM | VAV NO. | MAX CFM | COOL CFM | MIN CFM | KW | STAGES | VOLTAGE | PHASE | VAV VALVE SIZE |
| 500 | 5-11 | 350 | 190 | 125 | 1.0 | 1 | 277 | 1 | 5" DIAMETER |
| 504 | 5-12 | 900 | 550 | 550 | 7.0 | 3 | 277 | 1 | 8" DIAMETER |
| 514 | 5-13 | 350 | 100 | 85 | 0.5 | 1 | 277 | 1 | 5" DIAMETER |
| 502 | 5-14 | 500 | 280 | 150 | 1.5 | 1 | 277 | 1 | 6" DIAMETER |
| 515 | 5-15 | 1,400 | 830 | 410 | 5.5 | 3 | 277 | 1 | 10" DIAMETER |

*VAV BOXES: TRANE MODEL VCEF OR EQUIVALENT.

HVAC REVISED: 11-05-07ab
REVISED: 10-10-07ab
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 2-18-08

RFP #2 11-13-07

5TH 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.

DATE:10-24-06

SHEET M-5 OF