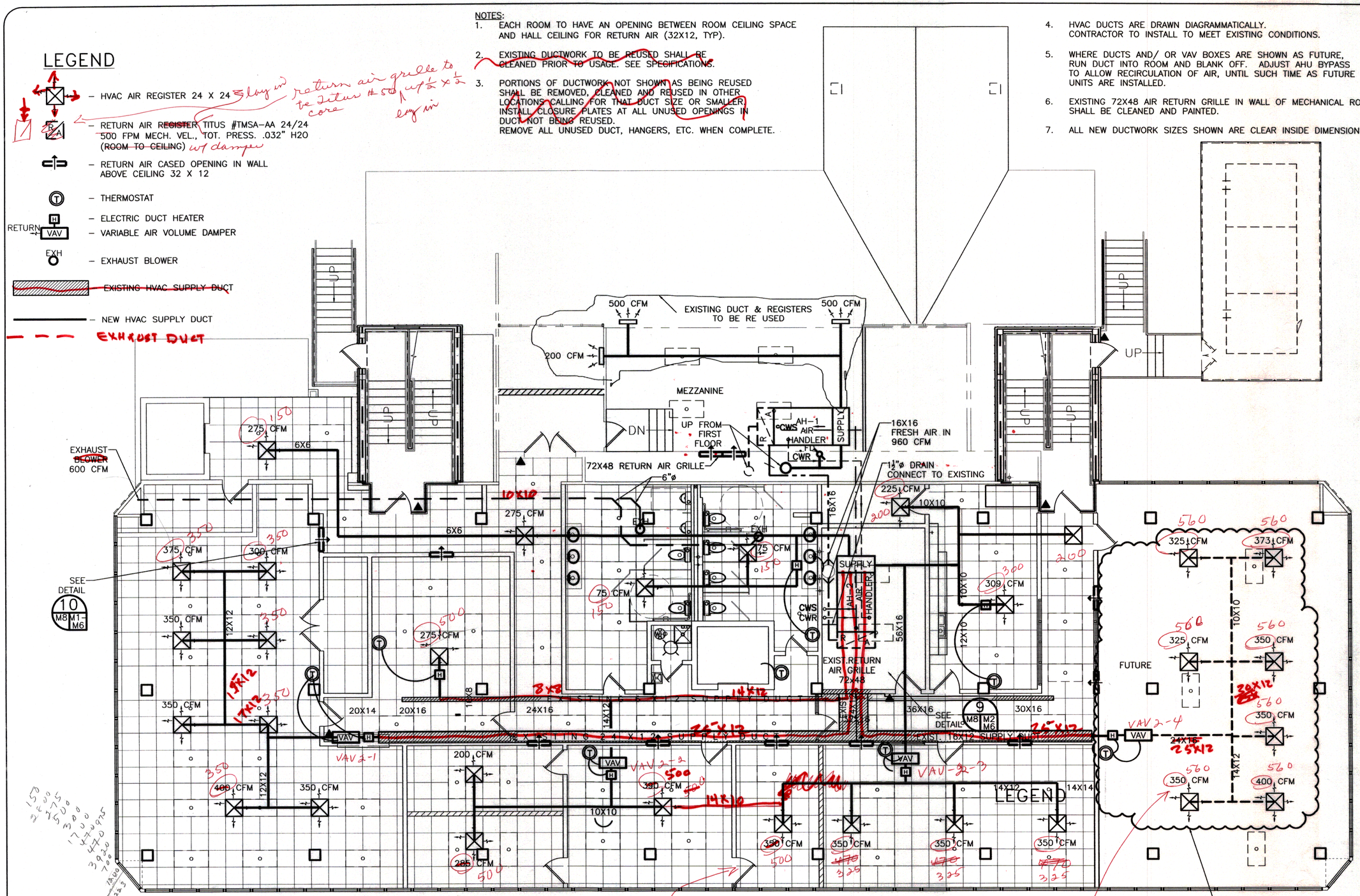
LEGEND

- HVAC AIR REGISTER 24 X 24 — lay in
- RETURN AIR ~~REGISTER~~ TITUS #TMSA-AA 24/24 500 FPM MECH. VEL., TOT. PRESS. .032" H20 (~~ROOM TO CEILING~~) w/ damper — return air grille to be Titus #500 up 1/2 x 1/2 core, lay in
- RETURN AIR CASED OPENING IN WALL ABOVE CEILING 32 X 12
- THERMOSTAT
- ELECTRIC DUCT HEATER
- RETURN VAV — VARIABLE AIR VOLUME DAMPER
- EXH — EXHAUST BLOWER
- ~~EXISTING HVAC SUPPLY DUCT~~
- NEW HVAC SUPPLY DUCT
- EXHAUST DUCT

NOTES:

1. EACH ROOM TO HAVE AN OPENING BETWEEN ROOM CEILING SPACE AND HALL CEILING FOR RETURN AIR (32X12, TYP).
2. ~~EXISTING DUCTWORK TO BE REUSED SHALL BE CLEANED PRIOR TO USAGE. SEE SPECIFICATIONS.~~
3. ~~PORTIONS OF DUCTWORK NOT SHOWN AS BEING REUSED SHALL BE REMOVED, CLEANED AND REUSED IN OTHER LOCATIONS CALLING FOR THAT DUCT SIZE OR SMALLER. INSTALL CLOSURE PLATES AT ALL UNUSED OPENINGS IN DUCT NOT BEING REUSED. REMOVE ALL UNUSED DUCT, HANGERS, ETC. WHEN COMPLETE.~~
4. HVAC DUCTS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO INSTALL TO MEET EXISTING CONDITIONS.
5. WHERE DUCTS AND/ OR VAV BOXES ARE SHOWN AS FUTURE, RUN DUCT INTO ROOM AND BLANK OFF. ADJUST AHU BYPASS TO ALLOW RECIRCULATION OF AIR, UNTIL SUCH TIME AS FUTURE UNITS ARE INSTALLED.
6. EXISTING 72X48 AIR RETURN GRILLE IN WALL OF MECHANICAL ROOM SHALL BE CLEANED AND PAINTED.
7. ALL NEW DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.



note: see doorway connecting to VAV-2

2ND FLOOR HVAC EQUIPMENT- VAV

ROOM	VAV NO. (2-1,2,3,4)	COOLING BTU/H SEN	LAT	TOTAL	CFM	HEATING BTU	KW	CARRIER BYPASS VAV
401	4-1	103,125	15,048	118,173	2,750	38,100	11.2	35K-16
414	4-2	42,046	6,692	48,738	1,542	16,824	4.9	35K-12
416	4-3	69,750	9,558	79,308	2,625	23,079	6.8	35K-14
CORR.	4-4	104,298	12,998	116,946	3,944	20,840	8.5	35K-18

VAV	S	L	T	CFM	carrier BP VAV
2-1	73,800	8560	83363	2800	35K-16
2-2	56689	7648	64337	1700	35K-12
2-3	25893	3824	29717	975	35K-8
2-4	103,372	15,296	118,868	3920	35K-18

SECOND FLOOR MECHANICAL PLAN

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

Note: do not reduce cfm ~~cfm are~~ the bottom line to cool to minimum space load. The by-pass duct damper will by pass the ~~to~~ of air to the correct load per the thermostat. ~~do~~ anticipate the ~~mec~~ minimum ~~do load or else we do~~ not need the the by pass damper

The max space load CFM will be run down to the light is satisfied. Then put in a minimum space load CFM. Then put in a minimum CFM to keep the air moving.

2ND FLOOR MECHANICAL PLAN

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

RENOVATE OFFICE BUILDING

DAMMON ENGINEERING. INC.
1095 FLORIDA AVENUE 985-649-5632 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO. 1729
DATE:12-07-06
SHEET
M-2
OF rec 4-11

REVISED: 04-09-07ab
REVISED: 03-30-07ab
REVISED: 03-22-07