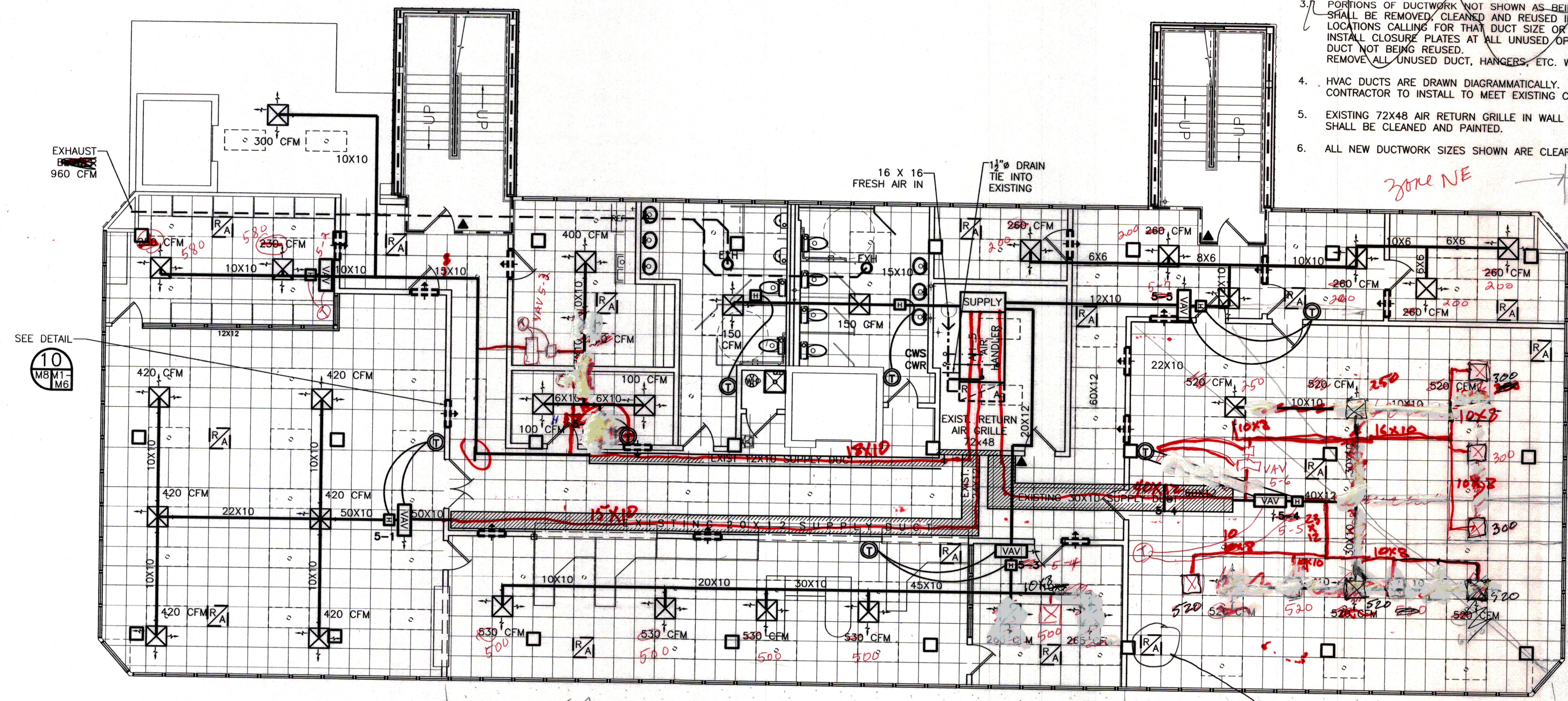


- NOTES:
- EACH ROOM TO HAVE AN OPENING BETWEEN ROOM CEILING SPACE AND HALL CEILING FOR RETURN AIR (32X12) MIN 1'-2 1/2" (2)
 - EXISTING DUCTWORK TO BE REUSED SHALL BE CLEANED PRIOR TO USAGE. SEE SPECIFICATIONS.
 - PORTIONS OF DUCTWORK NOT SHOWN AS BEING REUSED SHALL BE REMOVED, CLEANED AND REUSED IN 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.
 - HVAC DUCTS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO INSTALL TO MEET EXISTING CONDITIONS.
 - EXISTING 72X48 AIR RETURN GRILLE IN WALL OF MECHANICAL ROOM SHALL BE CLEANED AND PAINTED.
 - ALL NEW DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.



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

SEE DETAIL
 10
 M8 M1
 M6

sw zone 21(37) = 567
 $\frac{14(37)}{35} = \frac{378}{9.45}$

21(27) = 567

43 x 22 = 924
 $\frac{120}{1044}$

Zone SE

Zone SW

43(14) - (10x15) =
 602 - 150 =

5TH FLOOR HVAC EQUIPMENT- VAV														
ROOM	VAV NO.	COOLING BTUH			HEATING		CARRIER BYPASS VAV	COOLING			HEATING			
		SEN	LAT	TOTAL	CFM	BTU		KW	SEN	LAT	TOTAL	CFM	BTU	KW
501	5-1	89,347	12,426	101,773	3,362	42,513	12.4	67146	9560	76706	2520	25800	7.6	
507	5-2	16,127	2,448	18,575	595	5,315	2.0	15118	2868	17986	560	4870	1.4	
511	5-3	79,821	8,603	79,424	2,654	18,405	5.4	16127	2448	18575	600	5315	1.6	
510	5-4	84,684	15,296	99,880	3,120	27,800	8.1	66942	12280	79222	2500	25000	7.3	
510	5-5	36,330	6,186	42,498	1,333	27,633	8.1	41059	6140	47199	1560	14850	4.4	
	5-6							35K-12	36175	4664	40839	1400	10665	3.1
	5-7							35K-10	28153	4256	32409	1000	17445	5.1

LEGEND

- EXISTING HVAC SUPPLY DUCT
- NEW HVAC SUPPLY DUCT
- HVAC AIR REGISTER 24 X 24
- RETURN AIR REGISTER TITUS #TMSA-AA 24/24 500 FPM MECH. VEL., TOT. PRESS. .032" H2O (ROOM TO CEILING) w/ damper
- RETURN AIR CASED OPENING IN WALL (ROOM TO CEILING) 32'X12" ROOM TO HALLWAY
- THERMOSTAT
- ELECTRIC DUCT HEATER
- VARIABLE AIR VOLUME DAMPER
- EXHAUST BLOWER

return grille to be
 return #50 w/ 1/2 x 1/2 core
 log in

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