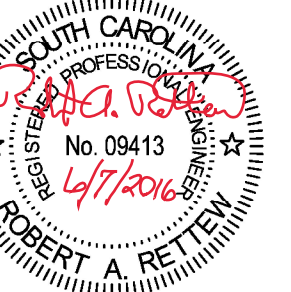
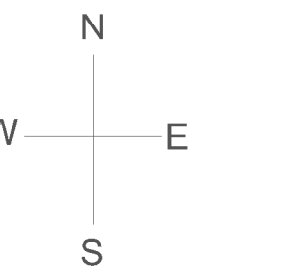


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Proj. No.: 2492
Drawing No.: M005



Client:
Upstate Developers LLC

Lofts by the Lake
Racing Rd
Greer SC 29651

500 Level HVAC

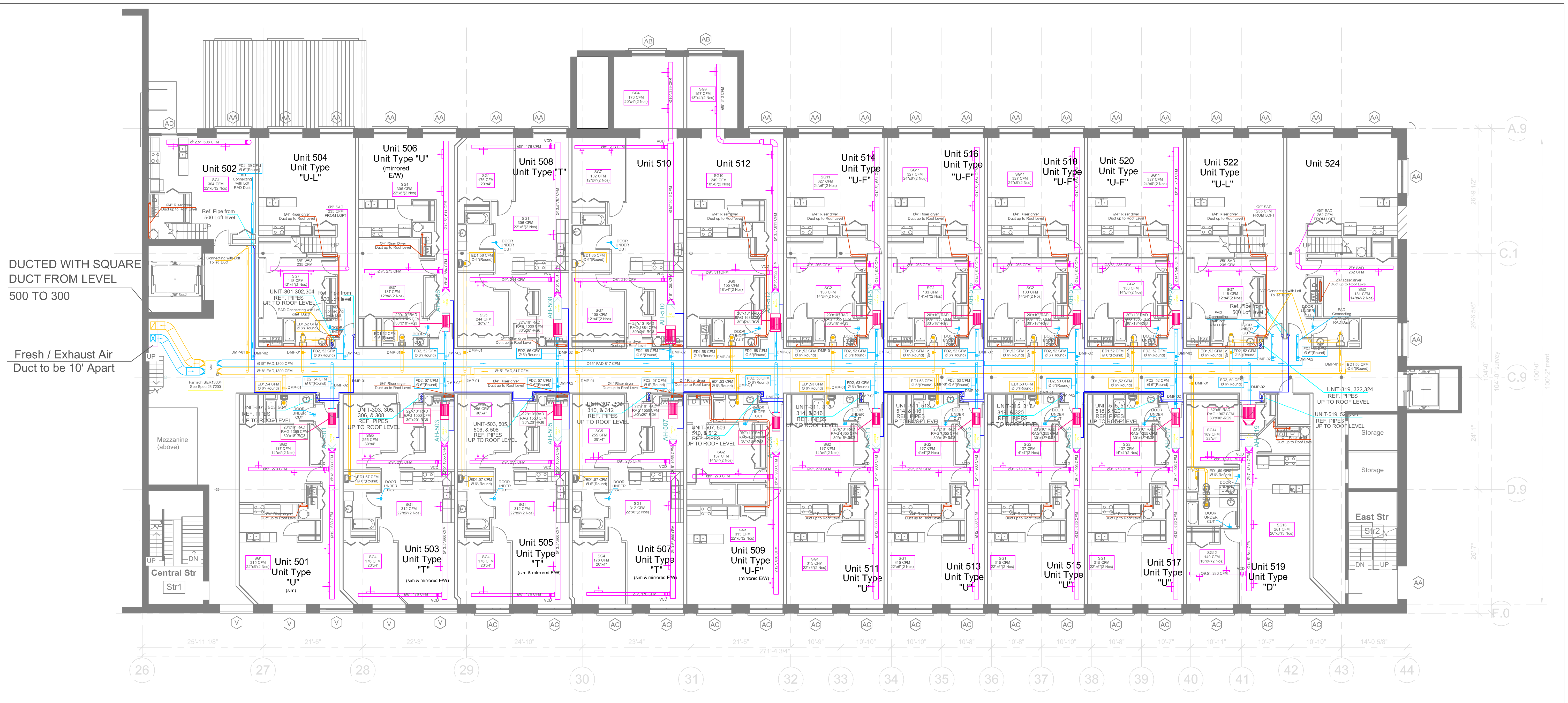
Scale
2" SCALE CHECK

Issue Date
4/13/16

No. Revision Description Date

Project number
2492

M106



MULTI POSITION AIR HANDLER SCHEDULE-(MAKE-GOODMAN)						
Tag No.	Description	TR	CFM	QTY.	SIZES	
AH-501	UNIT-501 (Type-"U")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-502	UNIT-502 (Type-"UL")	2.5	1026	1	17 1/2" H x 21" W x 53 1/8" L	
AH-503	UNIT-503 (Type-"T")	3.0	1055	1	21" H x 21" W x 53 1/8" L	
AH-504	UNIT-504 (Type-"UL")	2.5	1196	1	17 1/2" H x 21" W x 53 1/8" L	
AH-505	UNIT-505 (Type-"T")	3.0	1055	1	21" H x 21" W x 53 1/8" L	
AH-506	UNIT-506 (Type-"U")	2.5	884	1	17 1/2" H x 21" W x 53 1/8" L	
AH-507	UNIT-507 (Type-"T")	3.0	1055	1	21" H x 21" W x 53 1/8" L	
AH-508	UNIT-508 (Type-"T")	2.5	1031	1	17 1/2" H x 21" W x 53 1/8" L	
AH-509	UNIT-509 (Type-"UF")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-510	UNIT-510	3.0	1256	1	21" H x 21" W x 53 1/8" L	
AH-511	UNIT-511 (Type-"U")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-512	UNIT-512	2.5	1122	1	17 1/2" H x 21" W x 53 1/8" L	
AH-513	UNIT-513 (Type-"U")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-514	UNIT-514 (Type-"UF")	2.0	920	1	17 1/2" H x 21" W x 53 1/8" L	
AH-515	UNIT-515 (Type-"U")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-516	UNIT-516 (Type-"UF")	2.0	920	1	17 1/2" H x 21" W x 53 1/8" L	
AH-517	UNIT-517 (Type-"UF")	2.5	903	1	17 1/2" H x 21" W x 53 1/8" L	
AH-518	UNIT-518 (Type-"UF")	2.0	920	1	17 1/2" H x 21" W x 53 1/8" L	
AH-519	UNIT-519 (Type-"D")	3.0	1311	1	21" H x 21" W x 53 1/8" L	
AH-520	UNIT-520 (Type-"UF")	2.0	948	1	17 1/2" H x 21" W x 53 1/8" L	
AH-522	UNIT-522 (Type-"UL")	2.5	1196	1	17 1/2" H x 21" W x 53 1/8" L	
AH-524	UNIT-524	3.0	1480	1	21" H x 21" W x 53 1/8" L	

16 SEER SPLIT SYSTEM HEAT PUMP (MAKE-GOODMAN)				
Description	TR	QTY.	SIZES	
UNIT-501 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-502 (Type-"UL")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-503 (Type-"T")	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	
UNIT-504 (Type-"UL")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-505 (Type-"T")	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	
UNIT-506 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-507 (Type-"T")	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	
UNIT-508 (Type-"T")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-509 (Type-"UF")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-510	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	
UNIT-511 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-512	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-513 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-514 (Type-"UF")	2.0	1	29" W x 29" D x 38 1/2" H	
UNIT-515 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-516 (Type-"UF")	2.0	1	29" W x 29" D x 38 1/2" H	
UNIT-517 (Type-"U")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-518 (Type-"UF")	2.0	1	29" W x 29" D x 38 1/2" H	
UNIT-519 (Type-"D")	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	
UNIT-520 (Type-"UF")	2.0	1	29" W x 29" D x 38 1/2" H	
UNIT-522 (Type-"UL")	2.5	1	29" W x 29" D x 38 1/2" H	
UNIT-524	3.0	1	35 1/2" W x 35 1/2" D x 38 1/2" H	

GRILLS SCHEDULE					
Tag No.	Description	CFM	SIZES	QTY.	TOTAL
SG1	UNIT-501,502,503,505,506,507,508,509,511,513,514,515,517	315	22" x 6"	2 SG	24
SG2	UNIT-501,509,511,513,514,515,516,517,518,520,524	137	14" x 4"	2 SG	22
RG3	UNIT-501,506,509,511,513,514,515,516,517,518,520	1355	38" x 18"	1 RG	11
SG4	UNIT-503,505,507,508,510	176	20" x 4"	1 SG	05
SG5	UNIT-503,505,507,508,	255	30" x 4"	1 SG	04
RG6	UNIT-503,505,507,508,	1550	30" x 20"	1 RG	04
SG7	UNIT-504,506,510,510,522,	118	12" x 4"	2 SG	10
RG8	UNIT-510,512	1884	30" x 24"	1 RG	02
SG9	UNIT-512,512,	155	18" x 4"	2 SG	04
SG10	UNIT-512	249	18" x 6"	2 SG	02
SG11	UNIT-514,516,518,520	327	24" x 6"	2 SG	08
SG12	UNIT-519	140	16" x 4"	1 SG	01
SG13	UNIT-519	281	20" x 6"	3 SG	03
SG14	UNIT-519	189	20" x 4"	1 SG	01
RG15	UNIT-519	1967	30" x 30"	1 RG	01



500 LEVEL HVAC LAYOUT

- NOTES:
- (1) ALL SUPPLY AND RETURN GRILLS WITH DAMPER.
 - (2) All dryers on this level to have dryer ducts routed to nearest 8" demising wall then to roof discharge.
 - (3) All Ref. Pipes will go to the roof through demising walls.
 - (4) DUCTWORK
 - All HVAC Systems are to use spiral duct.
 - Supply and Return air plenum can be rectangular with transition to round duct.
 - Return air plenum should have sound reduction, and filter racks for MERV 8 filters.
 - Return air with 90 Degree turn to reduce air noise, ducts lined for reduce air noise, or use duct board.
 - All units with return filter rack with grill.
 - In cases where air handler sits over a hallway, turn the return air down. The air will be ducted through the ceiling with grill and filter rack available for servicing from ceiling side.
 - (5) The ERV fresh air intake and exhaust air outlet reach free air, they must have 10' of horizontal separation.

ROUND DAMPER FOR MAKE UP AIR				
Tag No.	Description	SIZES	QTY.	
DMP-01	UNIT-501 TO 524 (EXHAUST)	Ø6"	22	
DMP-02	UNIT-501 TO 524 (FRESH AIR)	Ø6"	22	
DMP-03	UNIT-CORRIDOR (EXHAUST & FRESH AIR)	Ø8"	02	

ALLU. ROUND REGISTERS FOR TOILE EXHAUST				
Tag No.	Description	CFM	SIZES	QTY.
ED1	UNIT-501 TO 524	39 TO 65	Ø6"	24
ED2+ED2	CORRIDOR	120	Ø8"	1E+1F

