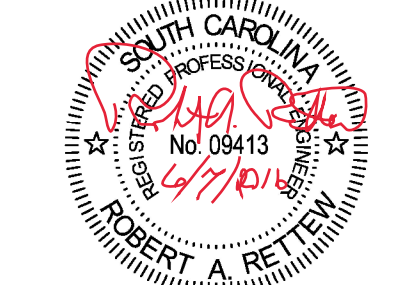
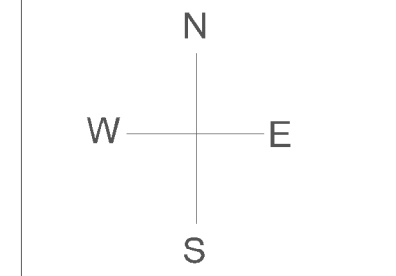


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Proj. No.: 2492
Drawing No.: M003



Client:
Upstate Developers LLC

Lofts by the Lake
Racing Rd
Greer SC 29651

300 level HVAC plan

Scale
2" = SCALE CHECK

Issue Date 4/13/16

No.	Revision Description	Date

Project number 2492

M103

LEGENDS	
—	SUPPLY AIR
—	RETURN AIR
—	EXHAUST AIR
—	FRESH AIR
—	REFREAGENT PIPE
—	DRYER AIR

NOTES:
(1) ALL SUPPLY AND RETURN GRILLS WITH DAMPER.
(2) The levels 200 to 500 Dryer duct up to Roof Level.
(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.



300 LEVEL HVAC LAYOUT

GRILLS SCHEDULE					
Tag No.	Description	CFM	SIZES	QTY.	TOTAL
SG1	UNIT-301,302,303,305,306,307,308,309,310,311,313,314,315,316,317,318,320,322,324	286	20" x 6"	2 SG	38
SG2	UNIT-301,306,309,310,311,313,314,315,316,317,318,320,322	119	12" x 4"	2 SG	26
RG3	UNIT-301,302,303,309,311,312,313,314,315,316,317,318,320,322	1215	30" x 18"	1 RG	14
SG4	UNIT-303,305,307,308,310,324	176	20" x 4"	1 SG	06
SG5	UNIT-303,305,307,308	233	30" x 4"	1 SG	04
RG6	UNIT-303,305,307	1440	30" x 20"	1 RG	03
SG7	UNIT-310,312	266	18" x 6"	2 SG	04
SG8	UNIT-312,319	127	14" x 4"	2 SG	04
SG9	UNIT-319	331	24" x 6"	1 SG	01
SG10	UNIT-319	189	18" x 4"	1 SG	01
RG11	UNIT-319,324	1700	30" x 24"	1 RG	02
SG12	UNIT-324	186	14" x 6"	2 SG	02



16 SEER SPLIT SYSTEM HEAT PUMP (MAKE-GOODMAN)					
Description	TR	QTY.	SIZES		
UNIT-301 (Type-"U")	2.0	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L		
UNIT-302	2.0	762	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-303 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-304	3.5	1294	1	21" H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-305 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-306 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-307 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-308 (Type-"T")	2.5	940	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-309 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-310	3.5	1473	1	21" H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-311 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-312	2.0	750	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-313 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-314 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-315 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-316 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-317 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-318 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-319 (Type-"D")	3.0	1131	1	21" H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-320 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-322 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L	
UNIT-324	3.0	1147	1	21" H x 21" W x 53 $\frac{1}{2}$ " L	

ALLU. ROUND REGISTERS FOR MAKE UP AIR					
Tag No.	Description	CFM	SIZES	QTY.	
ED1	UNIT-302 TO 324 (EXHAUST)	38 TO 71	06"	22	
ED2&FD2	CORRIDOR	120	08"	1E+1F	

MULTI POSITION AIR HANDLER SCHEDULE-(MAKE-GOODMAN)					
Tag No.	Description	TR	CFM	QTY.	SIZES
AH-301	UNIT-301 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-302	UNIT-302	2.0	762	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-303	UNIT-303 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-304	UNIT-304	3.5	1294	1	21" H x 21" W x 53 $\frac{1}{2}$ " L
AH-305	UNIT-305 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-306	UNIT-306 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-307	UNIT-307 (Type-"T")	2.5	964	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-308	UNIT-308 (Type-"T")	2.5	940	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-309	UNIT-309 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-310	UNIT-310	3.5	1473	1	21" H x 21" W x 53 $\frac{1}{2}$ " L
AH-311	UNIT-311 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-312	UNIT-312	2.0	750	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-313	UNIT-313 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-314	UNIT-314 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-315	UNIT-315 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-316	UNIT-316 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-317	UNIT-317 (Type-"U")	2.0	810	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-318	UNIT-318 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-319	UNIT-319 (Type-"D")	3.0	1131	1	21" H x 21" W x 53 $\frac{1}{2}$ " L
AH-320	UNIT-320 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-322	UNIT-322 (Type-"U")	2.0	791	1	17 $\frac{1}{2}$ " H x 21" W x 53 $\frac{1}{2}$ " L
AH-324	UNIT-324	3.0	1147	1	21" H x 21" W x 53 $\frac{1}{2}$ " L

ROUND DAMPER FOR MAKE UP AIR					
Tag No.	Description	SIZES	QTY.		
DMP-01	UNIT-302 TO 324 (EXHAUST)	06"	22		
DMP-02	UNIT-302 TO 314 (FRESH AIR)	06"	22		
DMP-03	UNIT-CORRIDOR (EXHAUST & FRESH AIR)	08"	02		