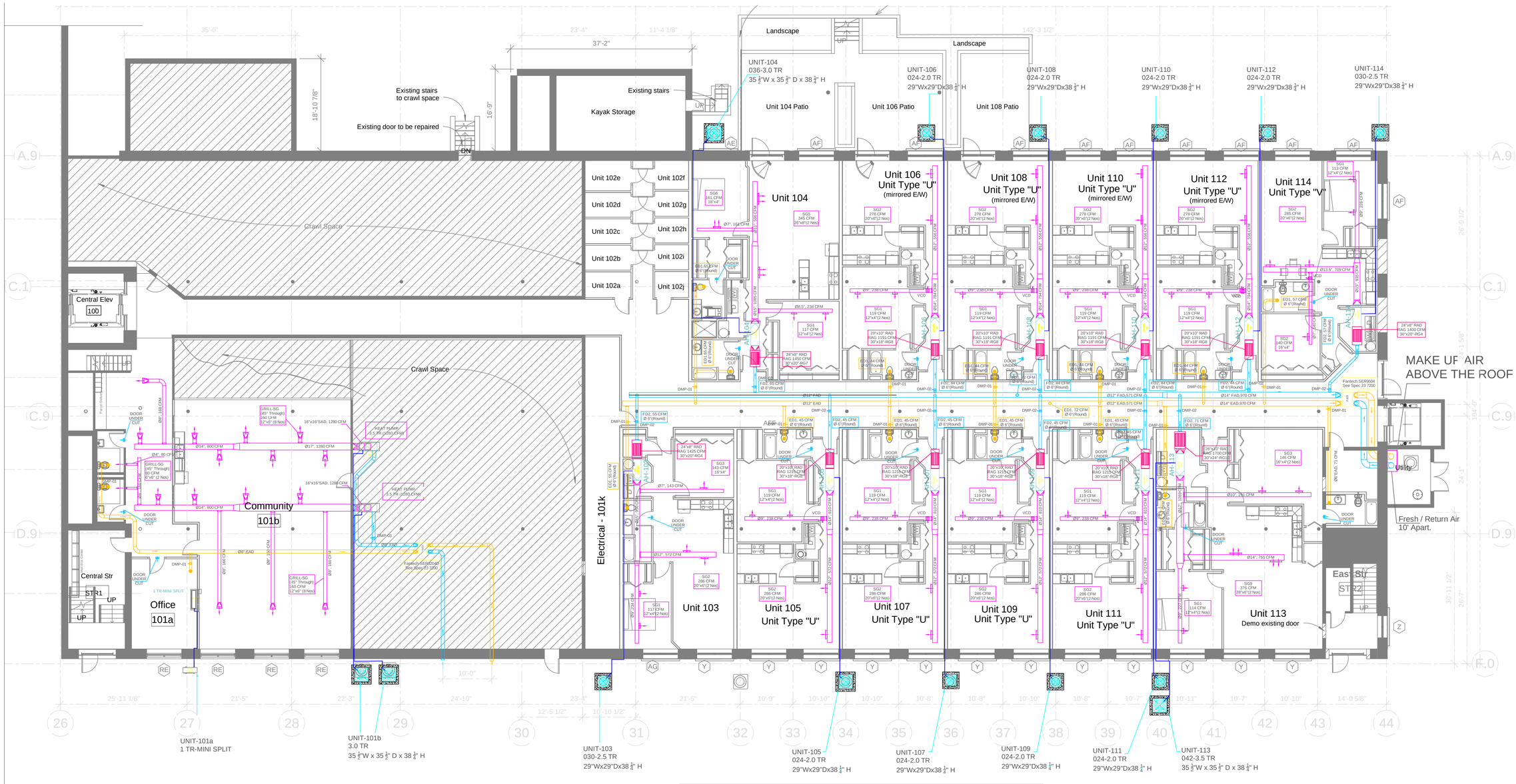

MULTI POSITION AIR HANDLER SCHEDULE-(MAKE-GOODMAN)

Tag No.	Description	TR	CFM	QTY.	SIZES
AH-103	UNIT-103	2.5	950	1	17 1/2"H x 21"W x 53 7/16 L
AH-104	UNIT-104	3.0	1085	1	21" H x 21" W x 53 7/16 L
AH-105	UNIT-105 (Type-"U")	2.0	810	1	17 1/2"H x 21"W x 53 7/16 L
AH-106	UNIT-106 (Type-"U")	2.0	794	1	17 1/2"H x 21"W x 53 7/16 L
AH-107	UNIT-107 (Type-"U")	2.0	810	1	17 1/2"H x 21"W x 53 7/16 L
AH-108	UNIT-108 (Type-"U")	2.0	794	1	17 1/2"H x 21"W x 53 7/16 L
AH-109	UNIT-109 (Type-"U")	2.0	810	1	17 1/2"H x 21"W x 53 7/16 L
AH-110	UNIT-110 (Type-"U")	2.0	794	1	17 1/2"H x 21"W x 53 7/16 L
AH-111	UNIT-111 (Type-"U")	2.0	810	1	17 1/2"H x 21"W x 53 7/16 L
AH-112	UNIT-112 (Type-"U")	2.0	794	1	17 1/2"H x 21"W x 53 7/16 L
AH-113	UNIT-113	3.5	1269	1	21" H x 21" W x 53 7/16 L
AH-114	UNIT-114 (Type-"V")	2.5	935	1	17 1/2"H x 21"W x 53 7/16 L

16 SEER SPLIT SYSTEM HEAT PUMP (MAKE-GOODMAN)

Description	TR	QTY.	SIZES
UNIT-103	2.5	1	29"W x 29"D x 38 1/4" H
UNIT-104	3.0	1	35 1/2" W x 35 1/2" D x 38 1/4" H
UNIT-105 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-106 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-107 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-108 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-109 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-110 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-111 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-112 (Type-"U")	2.0	1	29"W x 29"D x 38 1/4" H
UNIT-113	3.5	1	35 1/2" W x 35 1/2" D x 38 1/4" H
UNIT-114 (Type-"V")	2.5	1	29"W x 29"D x 38 1/4" H

GRILLS SCHEDULE

Tag No.	Description	CFM	SIZES	QTY.	TOTAL
SG1	UNIT-103,104,105,106,107,108 109,110,111,112,113,114	117	12" x 4"	2 SG	24
SG2	UNIT-103,105,106,107,109,111	286	20" x 6"	2 SG	12
SG3	UNIT-103,113	143	16" x 4"	1 SG	02
RG4	UNIT-103,114	1425	30" x 20"	1 RG	02
SG5	UNIT-104	345	26" x 8"	2 SG	02
SG6	UNIT-104	161	18" x 4"	1 SG	01
RG7	UNIT-104	1450	30" x 20"	1 RG	01
RG8	UNIT-105,106, 107,108,109,110, 111,112	1215	30" x 18"	1 RG	08
SG9	UNIT-113	376	28" x 6"	2 SG	02
RG10	UNIT-113	1700	30" x 24"	1 RG	01

NOTES:

(1) All Supply Grills with Damper and Return Grills with Air Filter.
(2) The level 100 units will use ductless condensate dryers and not require ducting.
(3) The Make air ducts at the exterior be 10' Apart.
(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.

ALLU. ROUND REGISTERS FOR MAKE UP AIR

Tag No.	Description	CFM	SIZES	QTY.
ED1	UNIT-103 TO 114	45 TO 71	Ø6"	18

ROUND DAMPER FOR MAKE UP AIR

Tag No.	Description	SIZES	QTY.
DMP-01	UNIT-103 TO 114 (EXHAUST AIR)	Ø6"	15
DMP-02	UNIT-103 TO 114 (FRESH AIR)	Ø6"	12
DMP-03	Community	Ø8"	01

100 LEVEL HVAC LAYOUT

LEGENDS

- SUPPLY AIR
- RETURN AIR
- EXHAUST AIR
- FRESH AIR
- REFEREGENT PIPE

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 09413 ROBERT A. RETTEW 6/7/2016

Proj. No.: 2492
Drawing No.: M001

N W E S

Client:

Upstate Developers LLC

Lofts by the Lake
Racing Rd
Greer SC 29651

100 Level HVAC layout

Scale
2" SCALE CHECK

Issue Date	5/29/16
No.	Revision Description	Date

Project number 2492

M101