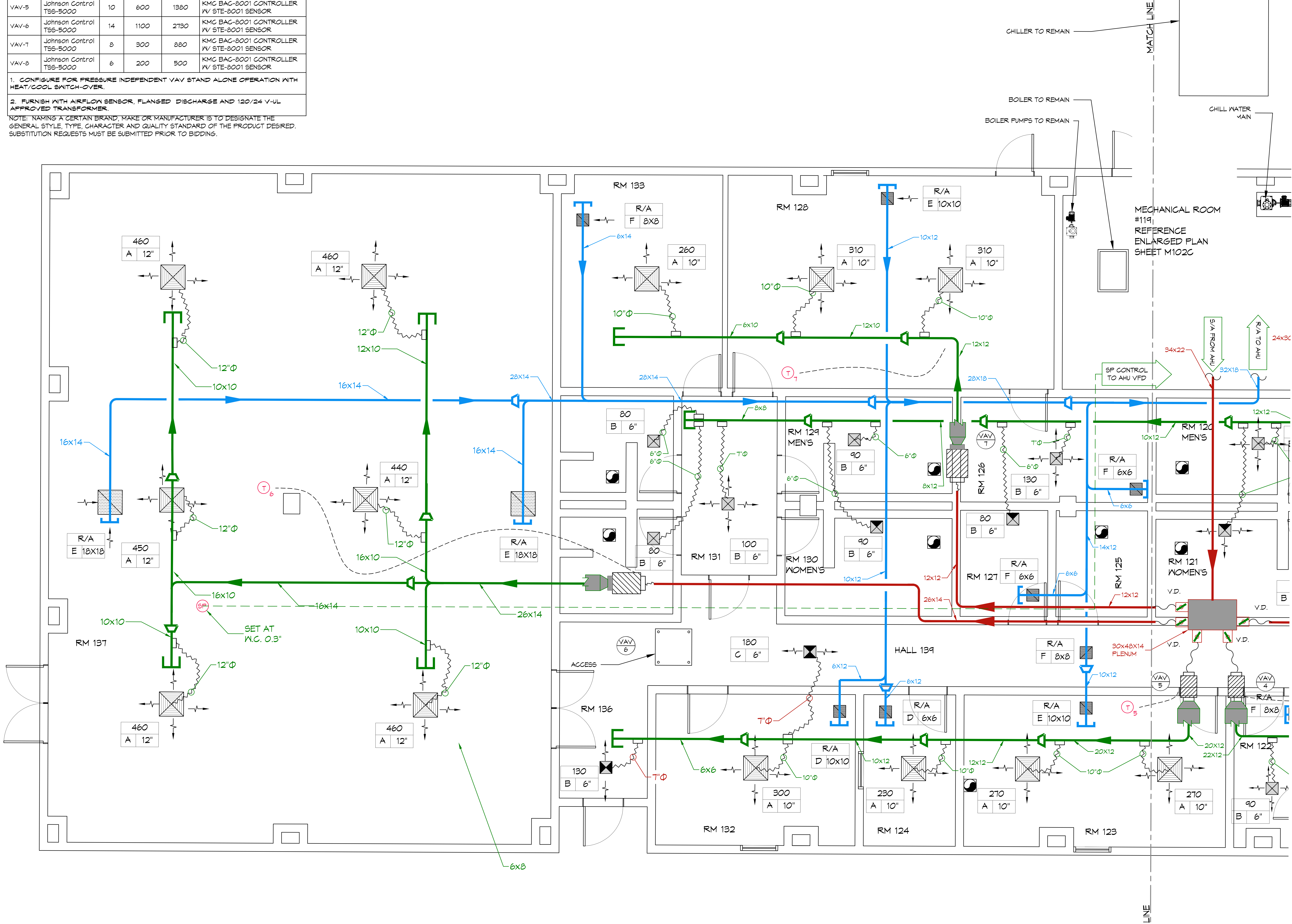
VAV BOX SCHEDULE

TAG	MAKE/MODEL	SIZE	MINIMUM FLOW CFM	DESIGN FLOW CFM	CONTROL
VAV-1	Johnson Control TSS-5000	10	600	1400	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-2	Johnson Control TSS-5000	8	300	800	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-3	Johnson Control TSS-5000	12	800	1850	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-4	Johnson Control TSS-5000	10	600	1470	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-5	Johnson Control TSS-5000	10	600	1380	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-6	Johnson Control TSS-5000	14	1100	2730	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-7	Johnson Control TSS-5000	8	300	880	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR
VAV-8	Johnson Control TSS-5000	6	200	500	KMC BAC-8001 CONTROLLER W/ STE-8001 SENSOR

1. CONFIGURE FOR PRESSURE INDEPENDENT VAV STAND ALONE OPERATION WITH HEAT/COOL SWITCH-OVER.

2. FURNISH WITH AIRFLOW SENSOR, FLANGED DISCHARGE AND 120/24 V-UL APPROVED TRANSFORMER.

NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.


CHILLER TO REMAIN
MATCH LINE
BOILER TO REMAIN
BOILER PUMPS TO REMAIN
CHILL WATER MAIN
MECHANICAL ROOM #119 REFERENCE ENLARGED PLAN SHEET M102C
RM 133
RM 128
RM 129 MEN'S
RM 130 WOMEN'S
RM 131
RM 126
RM 127
RM 125
RM 120 MEN'S
RM 121 WOMEN'S
RM 137
RM 136
HALL 139
RM 132
RM 124
RM 123
RM 122
R/A F 8X8
R/A E 10x10
R/A E 18X18
R/A F 6x6
R/A D 6x6
R/A D 10x10
R/A E 10x10
R/A F 8x8
260 A 10"
310 A 10"
460 A 12"
440 A 12"
450 A 12"
300 A 10"
230 A 10"
270 A 10"
80 B 6"
90 B 6"
100 B 6"
130 B 6"
180 C 6"
6x14
10x12
6x10
12x10
12x12
28X14
28X18
32X18
34x22
24x30
16x14
16x10
26x14
10x10
12"Φ
10"Φ
7"Φ
6"Φ
8x8
8x12
14x12
6x6
6X12
6x12
20X12
22X12
6x8
30x48X14 PLENUM
S/A FROM AHU
R/A TO AHU
SP CONTROL TO AHU VFD
SET AT W.C. 0.3"
SP
T 5
T 6
T 7
VAV 4
VAV 5
VAV 6
VAV 7
V.D.
ACCESS
B
WEST

1 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

GENERAL HVAC DETAIL NOTES

1. ALL MECHANICAL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
2. VERIFY ROUTING OF ALL WORK ON SITE.
3. HVAC CONTRACTOR REPLACE ALL EQUIPMENT FILTERS AT THE TIME OF POSSESSION OF THE PROJECT BY THE OWNER, USING ONLY NEW FILTERS OF THE PROPER SIZE AND TYPE.
4. CONTRACTOR SHALL LEAVE THE HVAC SYSTEM IN PROPER WORKING ORDER AND SHALL GUARANTEE SAME FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF SUBSTANTIAL COMPLETION.
5. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR DIMENSIONED, INSTALL MECHANICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.

LEGEND

◙	EXHAUST GRILLE AND ALL ASSOCIATED DUCT WORK TO REMAIN
VAV #	VAV/ZONE NUMBER TAG
▨	NEW VAV BOX
▧	RETURN AIR DIFFUSER (SIZED BELOW)
☒	SUPPLY AIR DIFFUSER (SIZED BELOW)
⧗	TWO (2) WAY SUPPLY AIR GRILLE (SIZED BELOW)
→	AIR FLOW DIRECTION
🟥	SUPPLY AIR DUCT BEFORE VAV
🟩	SUPPLY AIR DUCT AFTER VAV
▭	VAV VARIABLE DAMPER
🟦	RETURN AIR DUCT
〰	FLEX DUCT
---	ELECTRICAL WIRING
Ⓣ	THERMOSTAT, REF SPECIFICATIONS
E	CAPPED OFF DUCT
1 A 2	1 = CFM FLOW RATE OR RETURN AIR A = REGISTER/GRILL SIZE SEE BELOW 2 = ROUND DUCT SIZE FOR SUPPLY OR RETURN DUCT SIZE IN INCHES
☒	A = 24x24 SUPPLY DIFFUSER
☒	B = 12x12 SUPPLY DIFFUSER
⊗	C = ROUND SUPPLY DIFFUSER
☒	D = NOT USED
▧	E = 24x24 RETURN GRILLE
▧	F = 12x12 RETURN GRILLE
SD	DUCT SMOKE DETECTOR, REF SPECIFICATIONS
SP	DUCT STATIC PRESSURE SENSOR, REF SPECIFICATIONS
◆	LIMIT OF NEW WORK

CONTRACTOR NOTE:

SCOPE OF WORK (SOW) INCLUDES BUT IS NOT LIMITED TO THE INSTALLATION OF A VARIABLE AIR VOLUME (VAV) SYSTEM AS SHOWN ON THESE PLANS. THIS INCLUDES THE PROCUREMENT AND INSTALLATION OF AN AIR HANDLING UNIT, VAV BOXES DIFFUSERS, DUCTWORK, PIPING, CONTROLS AND APPURTANCES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH CURRENT CODES AND STANDARDS. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS..

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#	DESCRIPTION	DATE
	REVISIONS	

SEAL:
BRIAN A. MISTICH
License No. 30187
7/25/2019

HVAC SYSTEM REPLACEMENT
PROJECT NO.: 01-107-06B-11, F.01003807

STATE POLICE TROOP L
HEADQUARTERS

2600 N CAUSEWAY BLVD, MANDEVILLE, LA 70471
STATE ID: S00814 SITE CODE: 1-52-004

JOB No:	2372	DATE:	7/25/2019
DRAWN BY:	RLD	CHECKED BY:	DD

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SHEET TITLE:
MECHANICAL PLAN WEST

DRAWING NUMBER:
M102A