ADDENDUM #1

TO CONTRACT DOCUMENTS FOR:	Project #CP250271 – Clinical Support & Education-SIM Center Training Space Renovation, Phase II
ADVERTISEMENT DATE:	February 21, 2025
PREPARED FOR:	The Curators of the University of Missouri
CONSULTANT:	Planning, Design & Construction University of Missouri 130 General Services Building (573) 882-6800

The contract documents for the above noted project and the work covered thereby and herein modified.

GENERAL INFORMATION:

1) **CLARIFICATION:** No work shall occur in Neuro Residents Room CE511 on the 5th floor on Wednesdays.

DRAWINGS:

1) **DELETE** Drawing Sheet M600 in its entirety and **REPLACE** with Drawing Sheet M600 attached.

END OF ADDENDUM #1

EGGCRATE GRILLE

	35	34	33	32		31		30	29	28	27	26 25	24	23	22	21	20
IOTES: .NEITHER .TOTAL AI .REFER T .SENSOR	RADIATED N R PRESSURE O CONTROL I TYPES: 1 - SE	OR DISCHAR DROP OF TA DRAWINGS F ENSOR ONLY,	AB AND REHEA OR DESCRIPTI (2 - SENSOR W	/ELS SHALL E T COIL SHALL ON OF CONT /ITH ADJUSTM	XCEED N NOT EX ROL TYPI IENT, 3 - 5	IC 35 AT CEED 0.5 E. SENSOR	1.5" INL 50" WC. WITH (ET STATI	E, 4 - SENSOR W	/ITH ADJUSTMEN	R AHRI STANDARD 885 IT AND OVERRIDE. REHEAT COILS SEPARA						
	AND GPM. IF	VALUES ARE	E BLANK, HEAT	ING COIL IS N	OT REQU	IRED FO	R TAB.										
HEATING		RS TO BE INTI	EGRATED IN V		S FOR TH	IIS BOX.			ABLE FLOW (GPI	M). PROVIDE FIN	AL MAXIMUM FLOW RA	TE (GPM) TO TEST	& BALANCE TERMPE	RATURE CONTR		IORS.	
HEATING		RS TO BE INTI		AV CONTROLS	S FOR TH	IIS BOX. TING COII			MIN. INLET	SENSOR TYPE		MODEL	& BALANCE TERMPE		OTES		
HEATING OCCUPA TAG NAME	NCY SENSOF	RS TO BE INTI	EGRATED IN V/ CFM OCCUPIED	AV CONTROLS	S FOR TH	IIS BOX. TING COII	L (NOTE EWT	ES 5, 6) MAX.			AL MAXIMUM FLOW RA		NOTES 1, 2, 3, 7				
TAG NAME (AV-604	NCY SENSOF COOLING MAX.	RS TO BE INTI C HEATING MAX.	EGRATED IN V/ CFM OCCUPIED U MIN.	AV CONTROLS	S FOR TH	IIS BOX. TING COII	L (NOTE EWT °F	ES 5, 6) MAX. GPM	MIN. INLET SIZE (IN.) DIA.	SENSOR TYPE (NOTE 4)	MANUFACTURER	MODEL (NOTES 1, 2)					
TAG NAME AV-604 AV-605	NCY SENSOF COOLING MAX. 570	RS TO BE INTI C HEATING MAX. 570	EGRATED IN V/ CFM OCCUPIED U MIN. 570	AV CONTROLS JNOCCUPIED MIN. 205	S FOR TH HEAT EAT °F 55.0	IIS BOX. ING COII LAT °F 95.0	L (NOTE EWT °F 180	ES 5, 6) MAX. GPM 1.2	MIN. INLET SIZE (IN.) DIA. 8"	SENSOR TYPE (NOTE 4) 2	MANUFACTURER TITUS	MODEL (NOTES 1, 2) DESV	NOTES 1, 2, 3, 7				
TAG NAME AV-604 AV-605 AV-606	NCY SENSOF COOLING MAX. 570 390	RS TO BE INTI C HEATING MAX. 570 390	EGRATED IN V/ CFM OCCUPIED U MIN. 570 390	AV CONTROLS JNOCCUPIED MIN. 205 120	S FOR TH HEAT EAT °F 55.0 55.0	IIS BOX. ING COII LAT °F 95.0 95.0	L (NOTE EWT °F 180 180	ES 5, 6) MAX. GPM 1.2 0.8	MIN. INLET SIZE (IN.) DIA. 8" 6"	SENSOR TYPE (NOTE 4) 2 2	MANUFACTURER TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				
TAG NAME AV-604 AV-605 AV-606 AV-607	NCY SENSOF COOLING MAX. 570 390 730	RS TO BE INTI C HEATING MAX. 570 390 730	EGRATED IN V/ CFM OCCUPIED U MIN. 570 390 730	AV CONTROLS JNOCCUPIED MIN. 205 120 220	S FOR TH HEAT EAT °F 55.0 55.0 55.0	IIS BOX. ING COII LAT °F 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6	MIN. INLET SIZE (IN.) DIA. 8" 6" 8"	SENSOR TYPE (NOTE 4) 2 2 2 2	MANUFACTURER TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				
HEATING DCCUPA TAG NAME AV-604 AV-605 AV-606 AV-607 AV-608	NCY SENSOF COOLING MAX. 570 390 730 780	RS TO BE INTI C HEATING MAX. 570 390 730 780	EGRATED IN V/ CFM OCCUPIED U MIN. 570 390 730 780	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235	S FOR TH HEAT EAT °F 55.0 55.0 55.0 55.0 55.0	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				
HEATING DCCUPA TAG NAME AV-604 AV-605 AV-606 AV-607 AV-608 AV-609	NCY SENSOF COOLING MAX. 570 390 730 780 930	RS TO BE INTI C HEATING MAX. 570 390 730 730 780 930	EGRATED IN V/ CFM OCCUPIED MIN. 570 390 730 780 930	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235 280	S FOR TH HEAT EAT °F 55.0 55.0 55.0 55.0 55.0 55.0	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7 2.0	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8" 8" 10"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				
HEATING DCCUPA TAG NAME AV-604 AV-605 AV-606 AV-607 AV-608 AV-609 AV-610	NCY SENSOF COOLING MAX. 570 390 730 730 780 930 600	RS TO BE INTI C HEATING MAX. 570 390 730 780 930 330	EGRATED IN V/ CFM OCCUPIED U MIN. 570 390 730 780 930 330	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235 280 180	S FOR TH HEAT EAT °F 55.0 55.0 55.0 55.0 55.0 55.0 55.0	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7 2.0 0.7	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8" 8" 10" 8"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				
HEATING DCCUPA TAG NAME AV-604 AV-605 AV-606 AV-607 AV-608 AV-609 AV-610 AV-622	NCY SENSOF COOLING MAX. 570 390 730 780 930 600 380	RS TO BE INTI C HEATING MAX. 570 390 730 730 780 930 330 330 380	EGRATED IN V/ CFM OCCUPIED MIN. 570 390 730 780 930 330 380	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235 280 180 75	S FOR TH HEAT EAT °F 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7 2.0 0.7 0.8	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8" 10" 8" 6"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7				
HEATING DCCUPA TAG NAME AV-604 AV-605 AV-606 AV-607 AV-608 AV-609 AV-610 AV-622 AV-623	NCY SENSOF COOLING MAX. 570 390 730 780 930 600 380 550	RS TO BE INTI C HEATING MAX. 570 390 730 730 780 930 330 330 380 550	EGRATED IN V/ CFM OCCUPIED MIN. 570 390 730 780 930 330 380 550	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235 280 180 75 165	S FOR TH HEAT EAT °F 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	L (NOTE F 180 180 180 180 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7 2.0 0.7 0.8 1.2	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8" 8" 10" 8" 6" 8"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7				
HEATING OCCUPA	NCY SENSOF COOLING MAX. 570 390 730 780 930 600 380 550 100	RS TO BE INTI C HEATING MAX. 570 390 730 780 930 330 330 330 380 550 100	EGRATED IN V/ CFM OCCUPIED MIN. 570 390 730 730 780 930 330 330 330 550 100	AV CONTROLS JNOCCUPIED MIN. 205 120 220 235 280 180 75 165 45	S FOR TH HEAT EAT °F 55.0 55	IIS BOX. ING COII LAT °F 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0	L (NOTE EWT °F 180 180 180 180 180 180 180 180	ES 5, 6) MAX. GPM 1.2 0.8 1.6 1.7 2.0 0.7 0.8 1.2 0.5	MIN. INLET SIZE (IN.) DIA. 8" 6" 8" 8" 10" 8" 6" 8" 6" 8" 6"	SENSOR TYPE (NOTE 4) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MANUFACTURER TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS TITUS	MODEL (NOTES 1, 2) DESV DESV DESV DESV DESV DESV DESV DESV	NOTES 1, 2, 3, 7 NOTES 1, 2, 3, 7				

TITUS

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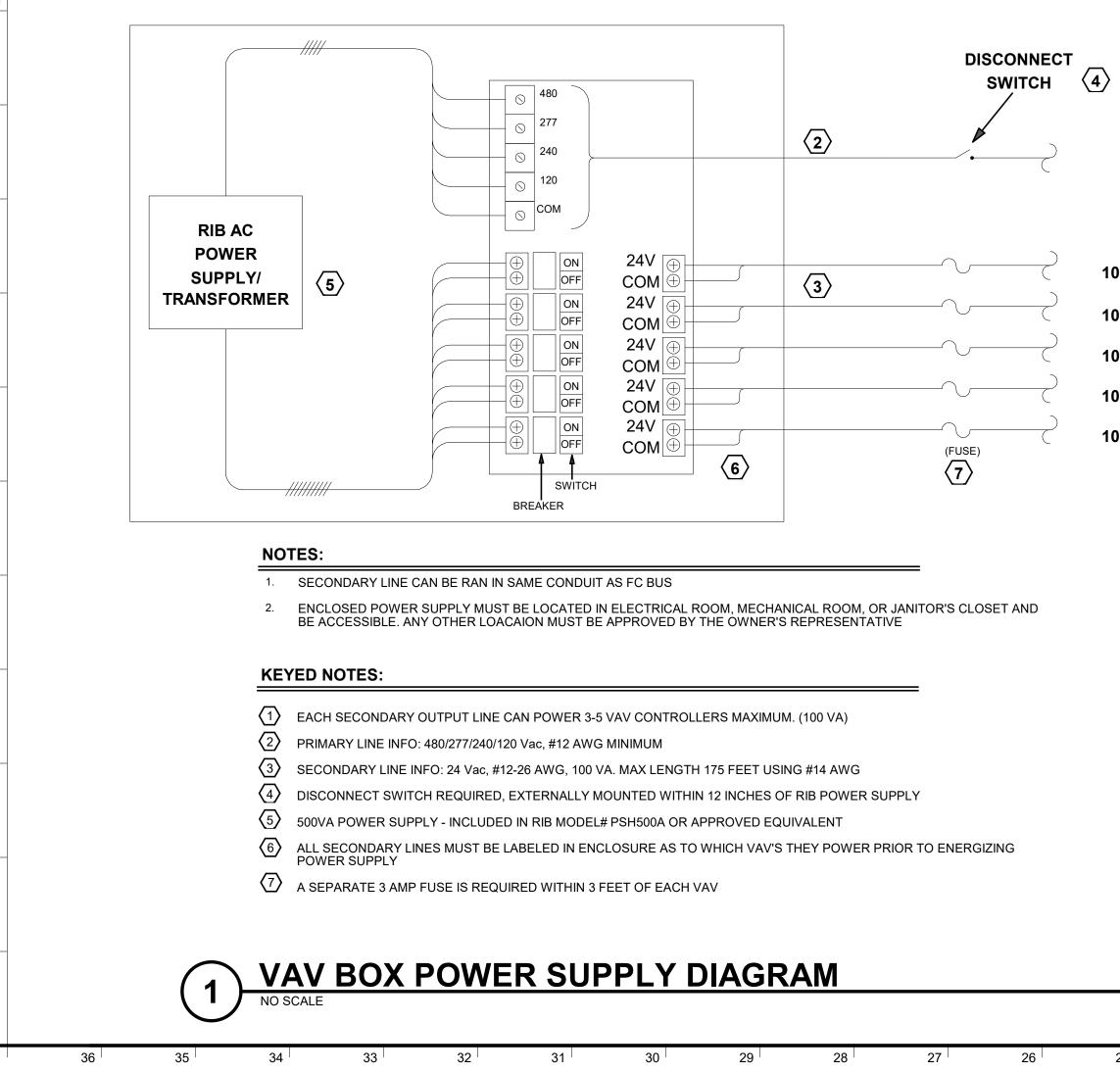
24x24

RG-2

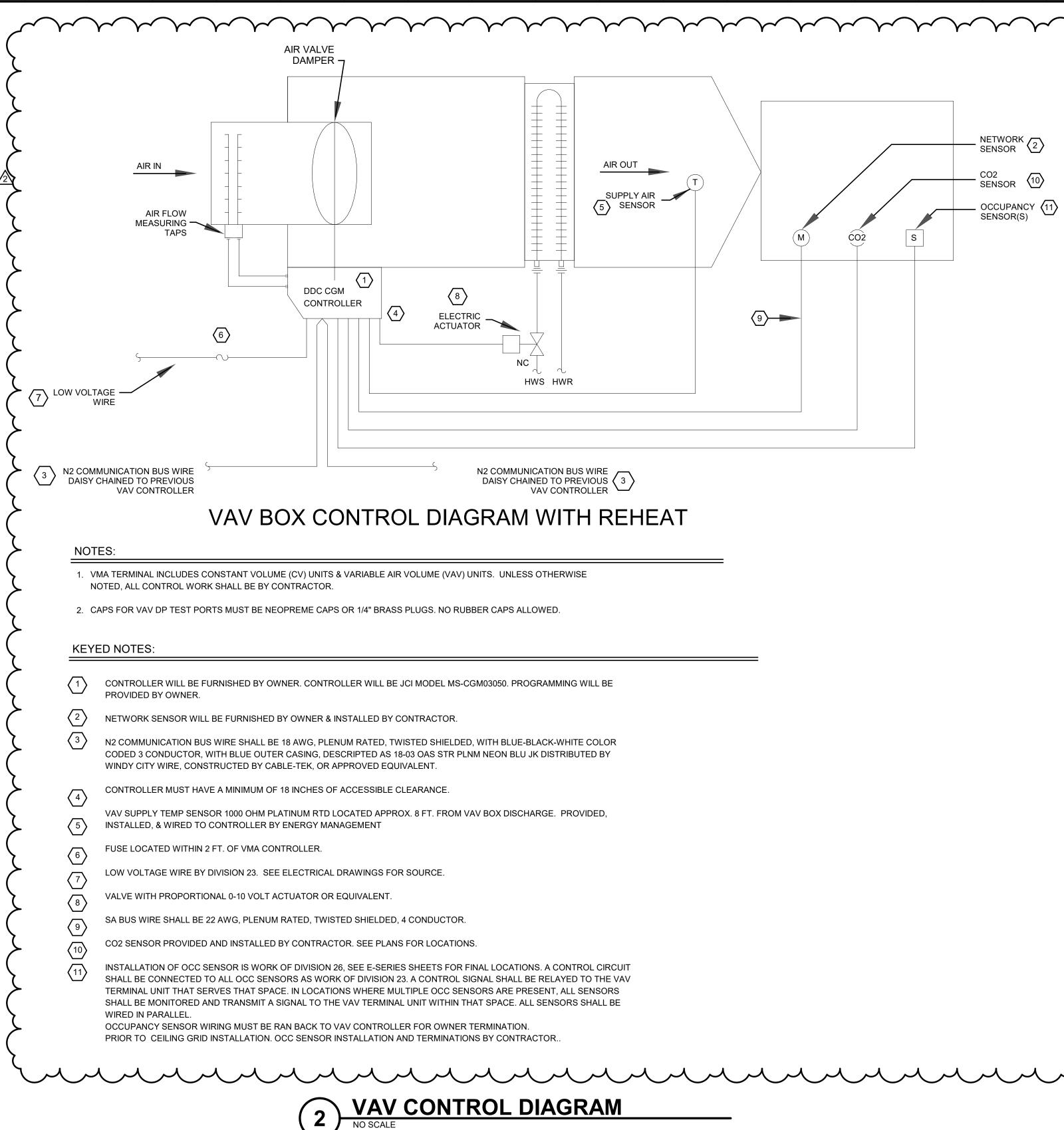
NOTES: 1.CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION. 2.REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.								
TAG NAME	FACE SIZE (IN.) (NOTE 2)	ТҮРЕ	BORDER (NOTE 1)	MATERIAL	FINISH	MANUFACTURER	MODEL	
SD-1	24x24	PANEL FACE	LAY-IN	STEEL	WHITE	TITUS	OMNI	FLU
RG-1	24x12	EGGCRATE GRILLE	LAY-IN	ALUMINUM	WHITE	TITUS	50F	

LAY-IN ALUMINUM WHITE





	NOTES	
SH FACE PANEL		



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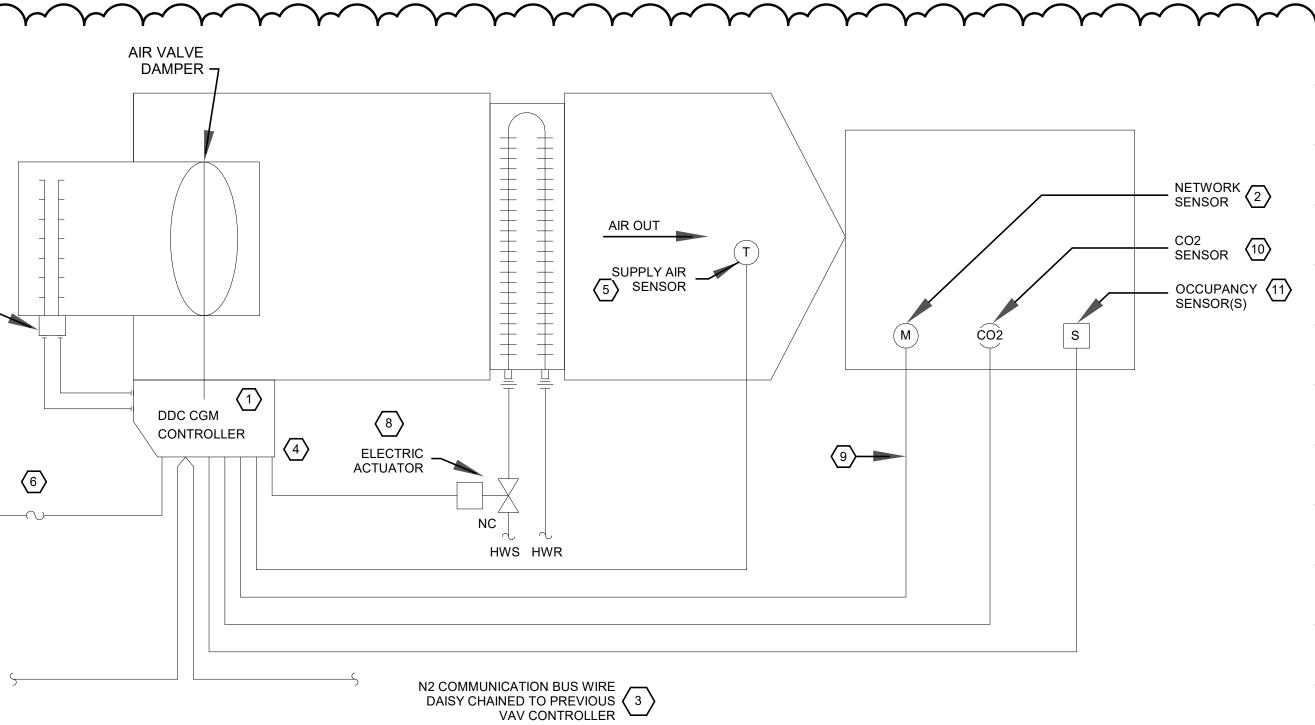
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VAV BOX CONTROL DIAGRAM WITH REHEAT

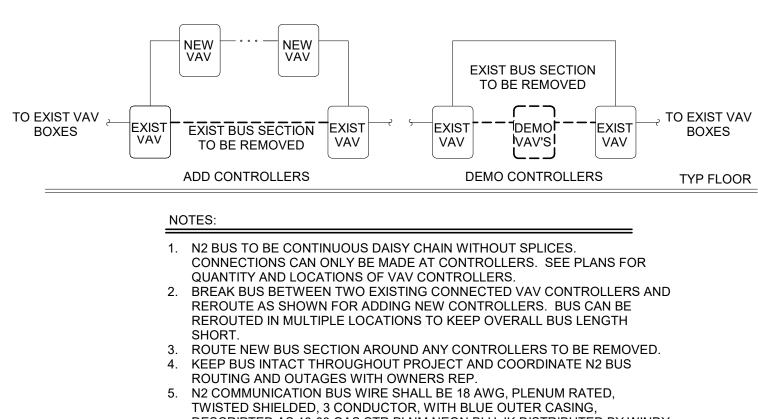
1. VMA TERMINAL INCLUDES CONSTANT VOLUME (CV) UNITS & VARIABLE AIR VOLUME (VAV) UNITS. UNLESS OTHERWISE

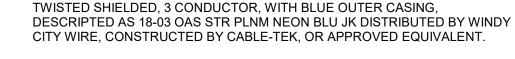
CONTROLLER WILL BE FURNISHED BY OWNER. CONTROLLER WILL BE JCI MODEL MS-CGM03050. PROGRAMMING WILL BE

N2 COMMUNICATION BUS WIRE SHALL BE 18 AWG, PLENUM RATED, TWISTED SHIELDED, WITH BLUE-BLACK-WHITE COLOR CODED 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 18-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY

VAV SUPPLY TEMP SENSOR 1000 OHM PLATINUM RTD LOCATED APPROX. 8 FT. FROM VAV BOX DISCHARGE. PROVIDED,

INSTALLATION OF OCC SENSOR IS WORK OF DIVISION 26, SEE E-SERIES SHEETS FOR FINAL LOCATIONS. A CONTROL CIRCUIT SHALL BE CONNECTED TO ALL OCC SENSORS AS WORK OF DIVISION 23. A CONTROL SIGNAL SHALL BE RELAYED TO THE VAV TERMINAL UNIT THAT SERVES THAT SPACE. IN LOCATIONS WHERE MULTIPLE OCC SENSORS ARE PRESENT, ALL SENSORS SHALL BE MONITORED AND TRANSMIT A SIGNAL TO THE VAV TERMINAL UNIT WITHIN THAT SPACE. ALL SENSORS SHALL BE





N2 BUS DIAGRAM

13 12 11 10 9

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M60

HVAC SCHEDULES

dis	claims any and all responsibility for such plan documents not exhibiting this seal	
NO.	REVISION SUBMISSION	DATE
1	ISSUED FOR BID	02/21/2025
2	ADDENDUM 1	03/07/2025

	PHILLIP I. PARRA - ENGINE MO#: E-28366	2-21-2
t instru cons	rofessional Engineer's seal affixed to this sheet he material and items shown on this sheet. Al ments, or other documents not exhibiting this idered prepared by this engineer, and this eng claims any and all responsibility for such plans documents not exhibiting this seal.	ll drawings, seal shall not be ineer expressly
NO.	REVISION SUBMISSION	DATE
1	ISSUED FOR BID	02/21/2025

DESIGNED BY:	CSB
DRAWN BY:	CSB
CHECKED BY:	SGB
APPROVED BY:	SGB
SEAL:	

I. PARRA NUMBER

02/21/2025

CP250271

5 HOSPITAL DR. COLUMBIA, MO 65201

DATE:

PROJ. NO.:



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI



STRUCTURAL CONSULTANT CROCKETT ENGINEERING CONSULTANTS 1000 W. NIFONG BOULEVARD, BUILDING 1 COLUMBIA, MO 65203 PH: 573.447.0292

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MEP CONSULTANT

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INTERNATIONAL ARCHITECTS ATELIER IMEG CORP. PH: 816.842.8437