

### Construction Bulletin # 07

Client: Abla Griffin Partnership Project Name: Highland West JH STEM Project Number: 2023-02792-00

April 16, 2024

Requested by: <u>X</u> Owner \_\_\_\_ Contractor: \_\_\_\_ Salas O'Brien:

To: Mike Abla, Clay Griffin, AGP

This Construction Bulletin is issued to:

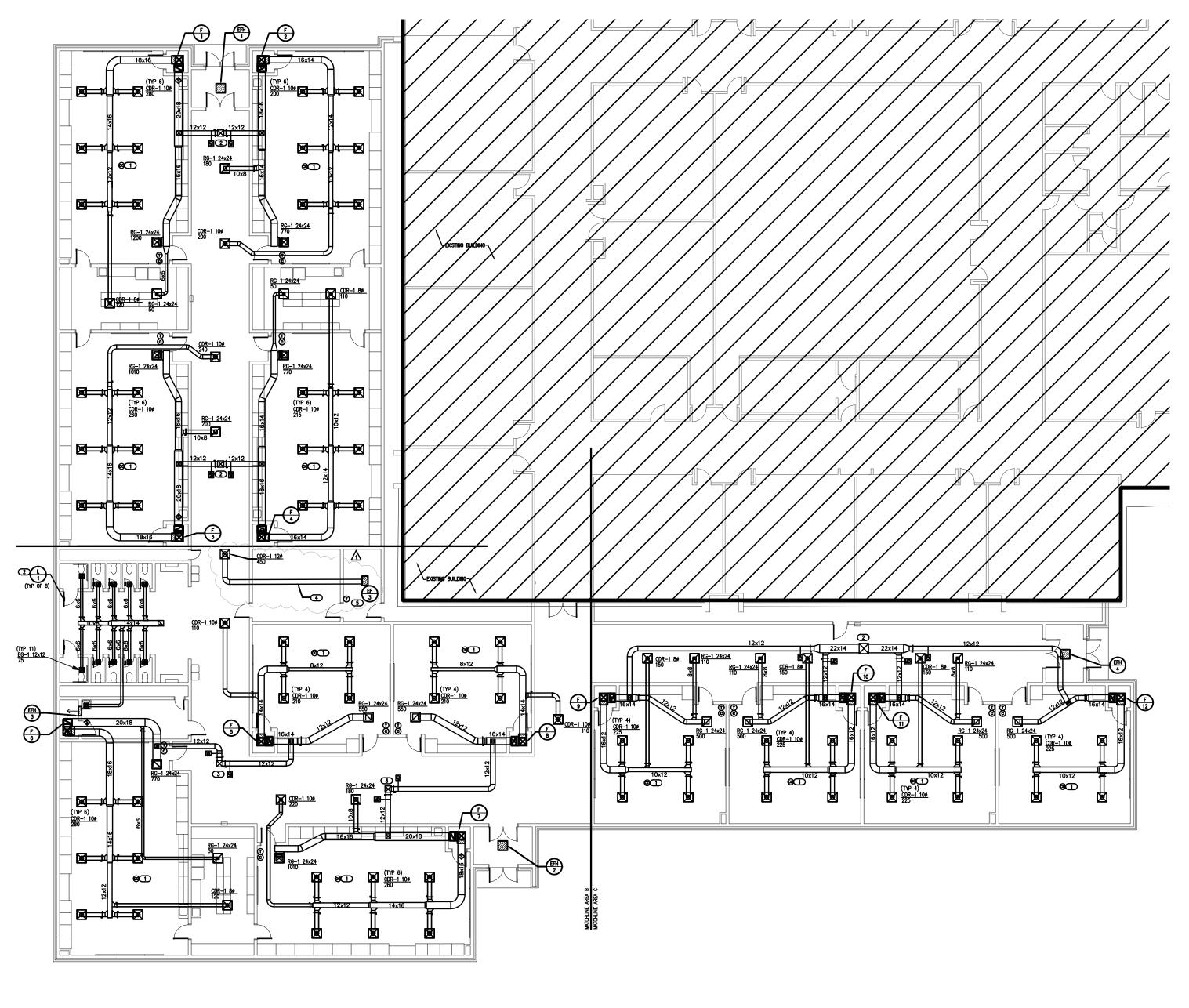




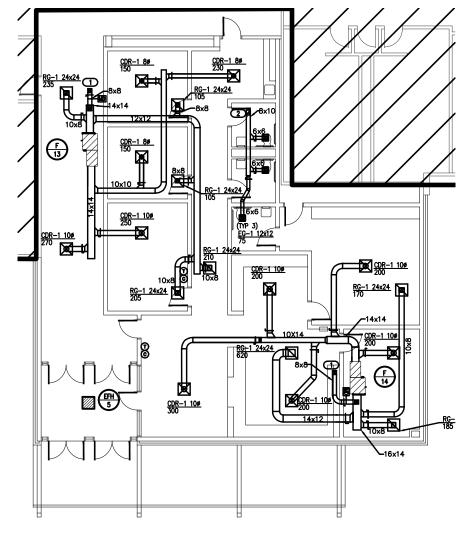
- X Offer additional information for clarification or supplemental drawings for layout assistance.
- Request cost and time impact to initiate a change to the Contract Documents. Owner approval is required, do not commence with revisions unless directed in writing. Avoid Work in areas that may be affected by proposed change until approved or rejected. Once approved, forward Change Order documentation as required by the Contract Documents.
- Direct a required change in the Contract Documents. Proceed with change(s) as indicated. Forward Change Order documentation as required by the Contract Documents.
- \_\_\_\_ Response to RFI \_\_\_\_\_.

Item No.	Description	Attachment
1	Refer to drawings for changes shown in clouds and deltas.	M002
2	Refer to drawings for changes shown in clouds and deltas.	M102
3	Refer to drawings for changes shown in clouds and deltas.	M601
4	Refer to drawings for changes shown in clouds and deltas.	E200
5	Refer to drawings for changes shown in clouds and deltas.	E201
6	Refer to drawings for changes shown in clouds and deltas.	E202
7	Refer to drawings for changes shown in clouds and deltas.	E601

### END OF CB-07



MECHANICAL OVERALL PLAN - CLASSROOM AREA SCALE: 1/16" = 1'-0"



NORTH

## **GENERAL NOTES**

- COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH ALL TRADES.
- 2. COORDINATE LOCATION OF THERMOSTATS WITH E.C. ROUGH-IN BY E.C.
- COORDINATE CARBON DIOXIDE SENSOR LOCATION WITH EARTHSMART PRIOR TO INSTALLATION.
- M.C. SHALL PROVIDE CARBON MONOXIDE SENSORS WHERE NEEDED PER CODE FOR EXISTING EQUIPMENT THROUGHOUT THE ENTIRE BUILDING. M.C. IS RESPONSIBLE FOR SURVEYING ENTIRE BUILDING AND LOCATING FUEL BURNING HVAC EQUIPMENT FOR SENSOR LOCATIONS. COORDINATE WITH E.C FOR POWER CONNECTIONS.



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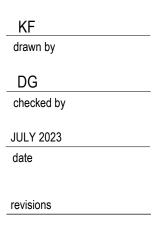
CIVIL

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STRUCTURAL

SALAS O'BRIEN MECHANICAL / ELECTRICAL





1 04/16/2024 CB 07

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CLASSROOM ADDITION HIGHLAND WEST JUNIOR HIGH SCHOOL

sheet no:

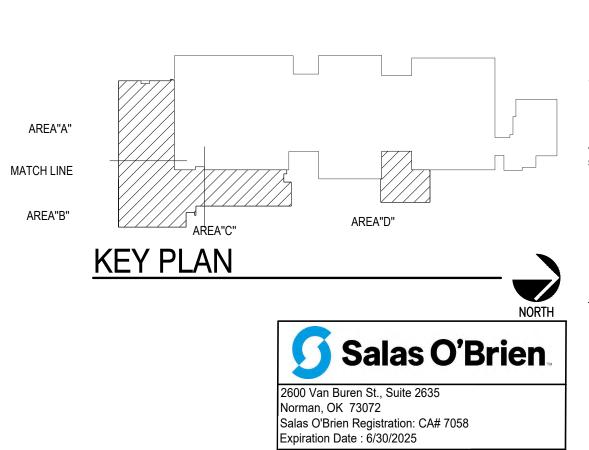


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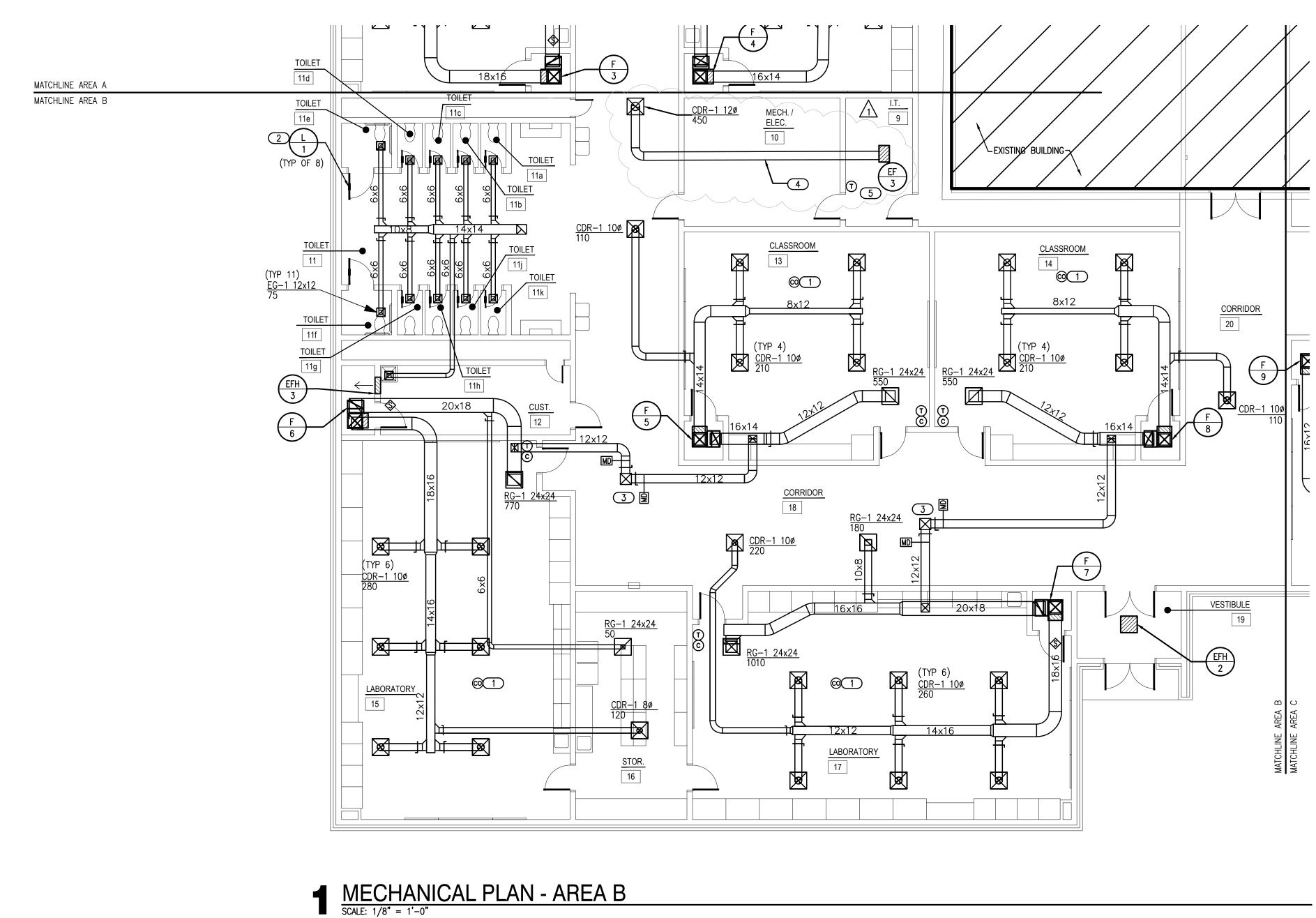
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## 2 MECHANICAL OVERALL PLAN - OFFICE AREA SCALE: 1/16" = 1'-0"





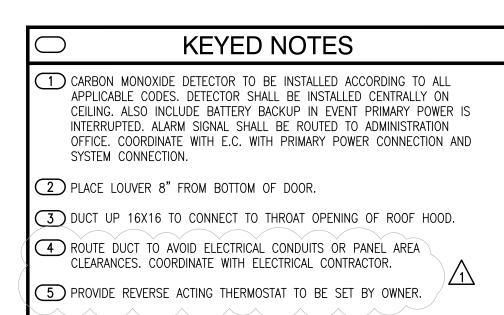
Salas O'Brien Project Number: 2023-02792-00





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KF drawn by DG

checked by

JULY 2023 date

revisions

04/16/2024 CB 07

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA

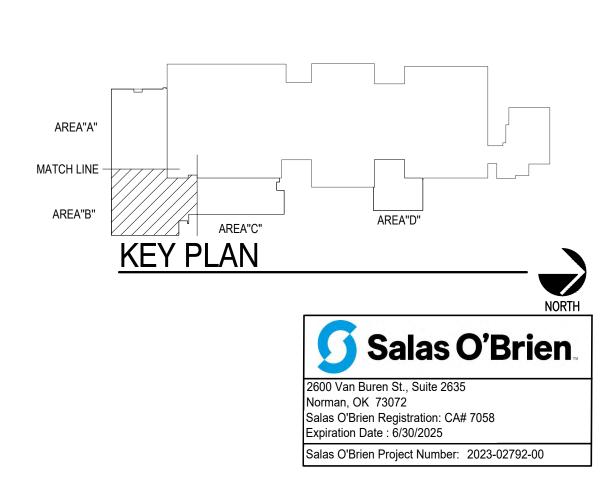


CLASSROOM ADDITION HIGHLAND WEST JUNIOR HIGH SCHOOL

sheet no:



OWNERSHIP USE OF DOCUMENTS:



				ELE	CTRIC	FAN F	ORCEI	D HEA	TER S	CHEDI	JLE	
EFH #	ROOM NO.	CFM	WALL OR CEILING	ĸw	MOUNTING	ELECTRICAL CHAR	AMPS	SPEEDS	CONTROL	RPM	MANUFACTURER & MODEL NUMBER	NOTES
1	VEST	300	CEILING	2	RECESSED	208 / 1	9.6	1	INT STAT	1400	BERKO FFCH-548	1–3
2	VEST	300	CEILING	2	RECESSED	208 / 1	9.6	1	INT STAT	1400	BERKO FFCH-548	1-3
3	RISER	100	WALL	2	RECESSED	208 / 1	9.6	1	INT STAT	_	BERKO FRC-4020	1-4
4	VEST	300	CEILING	2	RECESSED	208 / 1	9.6	1	INT STAT	1400	BERKO FFCH-548	1-3
5	VEST	300	CEILING	2	RECESSED	208 / 1	9.6	1	INT STAT	1400	BERKO FFCH-548	1-3
	M.C. IS RESP	ONSIBLE FOF	R PROVIDING	ANY AND A	LL NECESSARY	DIMENSIONAL	L, ELECTRICAI	_, MECHANICA	AL, AND STRU	ICTURAL ALTE	RATIONS NECESSITATED BY PROVIDING ALTERNA	ΛTE

EQUIPMENT.

1. PROVIDE INTERNAL THERMOSTAT. 2. RECESSED MOUNTED UNIT. PROVIDE RECESSED MOUNTING KIT.

3. PROVIDE BUILT-IN DISCONNECT. 4. WALL MOUNTING HEIGHT AFF AT A MINIMUM OF 18" OR PER MANUFACTURER'S RECOMMENDATION.

4. WALL M	JUNTING HEIGHT AFF AT A MINIMUM OF TO UR PER MANUFACTURER'S RECOMMENDATION.									
		-		GR	ILLE, REGISTE	ER, AND DIFFUSER S	SCHEDULE			
	GAS FURNACE SCHEDULE	PLAN SYMBO			DESCRIPTION		MANUFACTURER & MODEL NO.	MATERIAL	FINISH	NOISE CRITERIA
F	BLOWER	CDR-1	1 SQUARE FACE		VAY DEFLECTION CEILING DIF R LAY-IN CEILING INSTALLATI	FUSER, SPRING LOCK INNER CORE, ON.	PRICE SCD (4C)	STEEL	WHITE	-
TYPE	INPUT       OUTPUT       EXT.       EXT.       EXT.       Filter         MBH       MBH       CFM       MIN F.A.       S.P.       HEAT EXCH. MTL       SIZE       DRIVE       H.P.       ELEC. CHAR       PILOT       VENT       MERV 8 MIN.       MANUFACTURER & MODEL NO.       NOTE:	RG-1	SQUARE PATTER		RE OF 1/2"X1/2"X1/2" FAE 4" MARGIN, FOR LAY-IN CEII	BRICATED ALUMINUM SQUARES, FLAT LING INSTALLATION.	PRICE 80	ALUMINUM	WHITE	_
1 VERT 2 VERT	120       115       1800       550       0.6       ALUMINIZED STL       11X11       DIRECT       1       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4         100       96       1400       550       0.6       ALUMINIZED STL       11X11       DIRECT       0.75       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4	EG-1	SQUARE PATTER	RN GRILLE, FIXED CC		BRICATED ALUMINUM SQUARES, FLAT	PRICE 90	ALUMINUM	WHITE	_
3 VERT	120       115       1800       550       0.6       ALUMINIZED STL       11X11       DIRECT       1       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4	NOTES		,	HRU M-104 FOR QUANTITY					
4 VERT 5 VERT	80         77         1400         550         0.6         ALUMINIZED STL         11X11         DIRECT         0.75         120/1         HOT S         3"         2" TA         YORK TM9V080C16MP12C         1-3           60         58         1050         400         0.6         ALUMINIZED STL         11X11         DIRECT         0.5         120/1         HOT S         3"         2" TA         YORK TM9V080C16MP12C         1-3           60         58         1050         400         0.6         ALUMINIZED STL         11X11         DIRECT         0.5         120/1         HOT S         3"         2" TA         YORK TM9V060B12MP12C         1-3					G EQUIPMENT. PROVIDE REQUIRED MOUNTI	NG.			
6 VERT	120       115       1800       550       0.6       ALUMINIZED STL       11X11       DIRECT       1       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4									
7 VERT 8 VERT	120       115       1800       550       0.6       ALUMINIZED STL       11X11       DIRECT       1       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4         60       58       1050       400       0.6       ALUMINIZED STL       11X11       DIRECT       0.5       120/1       HOT S       3"       2" TA       YORK TM9V120D20MP12C       1-4				ROO	F HOOD SCHEDULE				
9 VERT	60       58       1050       400       0.6       ALUMINIZED STL       11X11       DIRECT       0.5       120/1       HOT S       3"       2" TA       YORK TM9V060B12MP12C       1-3	RH #	THROAT SIZE DIMENSION (IN)	THROAT AREA (FT <sup>2</sup> )	DAMPER BDD CONST	IRUCTION MANUFACTURER	& MODEL NO.	COMM	ENTS	NOTES
10VERT11VERT	60         58         1050         400         0.6         ALUMINIZED STL         11X11         DIRECT         0.5         120/1         HOT S         3"         2" TA         YORK TM9V060B12MP12C         1-3           60         58         1050         400         0.6         ALUMINIZED STL         11X11         DIRECT         0.5         120/1         HOT S         3"         2" TA         YORK TM9V060B12MP12C         1-3           60         58         1050         400         0.6         ALUMINIZED STL         11X11         DIRECT         0.5         120/1         HOT S         3"         2" TA         YORK TM9V060B12MP12C         1-3		16X20	2.22		MINUM GREENHE	CK FGI	COLOR BY	ARCHITECT	1-3
12 VERT	60 58 1050 400 0.6 ALUMINIZED STL 11X11 DIRECT 0.5 120/1 HOT S 3" 2" TA YORK TM9V060B12MP12C 1-3	2	16X20	2.22	MOD ALU	MINUM GREENHE	CK FGI	COLOR BY	ARCHITECT	1-3
13 HORIZ	60       58       1050       140       0.6       ALUMINIZED STL       11X11       DIRECT       0.5       120/1       HOT S       3"       2" TA       YORK TM9V060B12MP12C       1-3         60       58       1050       140       0.6       ALUMINIZED STL       11X11       DIRECT       0.5       120/1       HOT S       3"       2" TA       YORK TM9V060B12MP12C       1-3	3	16X20	2.22		MINUM GREENHE		COLOR BY		1-3
	60 58 1050 140 0.6 ALUMINIZED STL 11X11 DIRECT 0.5 120/1 HOT S 3" 2" TA YORK TM9V060B12MP12C 1-3 ESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSION, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE	4 5	26X26 16X20	4.69		MINUM GREENHE		COLOR BY		1-3
1. PROVIDE	I. CONCENTRIC VENT. INSTALL PER MANUFACTURER INSTRUCTIONS. MAINTAIN MINIMUM CLEARANCES: 36" BETWEEN VENTS, 10'−0" FROM ANY FRESH AIR INTAKE. CO2 SENSOR, INSTALLATION BY CONTROLS CONTRACTOR. INTERLOCK CO2 SENSOR WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT.	6	12X12	1	MOD ALU	MINUM GREENHE	CK FGI	COLOR BY	ARCHITECT	1-3
3. PROVIDE	FURNACE WITH 2 STAGE HEATING. OKE DETECTOR AND REMOTE TEST STATION PROVIDED BY AND INSTALLED BY E.C. REMOTE TEST STATION TO BE LOCATED IN OCCUPIED SPACE AND CONNECTION TO FIRE	7	12X12			MINUM GREENHE		COLOR BY		1-3
	YSTEM BY E.C. COORDINATE WITH E.C.	<u>NOTES:</u>	M.C. IS RESPONSIBLE FOR PR	OVIDING ANY AND ALL	NECESSARY DIMENSIONAL, ELE	CTRICAL, MECHANICAL, AND STRUCTURAL ALTE	RATIONS NECESSITATED BY	PROVIDING ALTERNA	IE EQUIPMENT.	

ALARM SYSTEM BY E.C. COORDINATE WITH E.C.

CU				CONDENS	SING UNIT				-		EVAPOR	ATOR UNI	Т	
	NOMINAL TONNAGE	ELEC. CHAR	MCA	MOCP	S.E.E.R	WEIGHT (LBS)	MANUFACTURER& MODEL NO.	CFM	MAX S.P.	BLOWER MOTOR	ELEC. CHAR	MCA	MANUFACTURER & MODEL NO.	NOTES
1	5	208/1	31.4	50	15.5	295	YORK YXT60B21S	1800	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFD60GBCN1	1–7
2	4	208/1	28	45	16.25	295	YORK YXT48B21S	1400	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFC48FBCN1	1-7
3	5	208/1	31.4	50	15.5	295	YORK YXT60B21S	1800	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFD60GBCN1	1–7
4	4	208/1	28	45	16	295	YORK YXT48B21S	1400	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFC48FBCN1	1–7
5	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1–7
6	5	208/1	31.4	50	15.5	295	YORK YXT60B21S	1800	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFD60GBCN1	1-7
7	5	208/1	31.4	50	15.5	295	YORK YXT60B21S	1800	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFD60GBCN1	1–7
8	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1–7
9	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1–7
10	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1-7
11	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1–7
12	3	208/1	21	35	15.5	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAFB36DBCN1	1–7
13	2	208/1	15	25	16.25	200	YORK YXT24B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAHB36DBAN1	1–7
14	3	208/1	21	35	15.75	265	YORK YXT36B21S	1050	0.3	– SEE FUR	NACE SCHE	DULE –	YORK XAHB36DBCN1	1-7

3. TWO STAGE COOLING. 4. FOR LINE LENGTH EXCEEDING 50', M.C. MUST PROVIDE FACTORY DESIGNED AND FACTORY OR FIELD FABRICATED REFRIGERANT PIPING. 5. MOUNT UNITS ON CONDENSING UNIT SUPPORTS RE: 10/M501 FOR MORE INFORMATION. 6. INSULATE SUCTION LINE WITH 5/8" AP ARMAFLEX INSULATION OR EQUAL. SEAL ALL JOINTS WATER TIGHT TO PREVENT CONDENSATE IN THE CEILING. 7. PROVIDE UNIT WITH HAIL GUARD.

		DUC	CTWC	RK/II	NSUL	ATIC	N SC	CHED	ULE				
		LOW PR	ESSURE		MED.	PRESS	HIGH	PRESS.		INSULA	TION		
			SEAL		MAX		MAX						
SYSTEM	MAX. PRES.	A	B	С	PRES.	SEAL A	PRES.	SEAL A	INTERNAL	THICKNESS	EXTERNAL	THICKNESS	NOTES
SUPPLY AIR WITHIN 10' OF UNIT	2"	Х	_	-	-	-	_	-	YES	1"	NO	-	_
SUPPLY AIR BEYOND 10' OF UNIT	2"	Х	-	-	-	-	_	-	NO	-	YES	2"FSK	_
RETURN AIR WITHIN 10' OF UNIT	2"	-	Х	-	-	-	-	-	YES	1"	NO	-	_
RETURN AIR BEYOND 10' OF UNIT	2"	-	Х	-	-	-	-	-	NO	-	YES	2"FSK	_
OUTSIDE AIR/MIXED AIR	2"	-	Х	-	-	-	-	-	NO	-	YES	3" FSK	-
EXHAUST AIR	2"	_	Х	_	-	_	_	_	NO	-	YES	2" FSK	
•					-	-	-	-					

	GRILLE, REGISTER, AND DIFFUSER S	SCHEDULE			
PLAN SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NO.	MATERIAL	FINISH	NOISE CRITERIA
CDR-1	SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR LAY-IN CEILING INSTALLATION.	PRICE SCD (4C)	STEEL	WHITE	_
RG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"X1/2"X1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR LAY-IN CEILING INSTALLATION.	PRICE 80	ALUMINUM	WHITE	_
EG-1	SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"X1/2"X1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR SURFACE MOUNT INSTALLATION.	PRICE 90	ALUMINUM	WHITE	-
NOTES:	SEE AIR BALANCE SCHEDULE ON M-101 THRU M-104 FOR QUANTITY AND SIZES. M.C. TO FIELD VERIFY CEILING TYPE FOR ALL GRD BEFORE PURCHASING EQUIPMENT. PROVIDE REQUIRED MOUNTI	ING.			

1. M.C. TO PROVIDE ROOF HOOD WITH ALUMINUM BIRDSCREEN.

2. M.C. SHALL PROVIDE ROOF CURB. CURB INSTALLATION BY G.C. 3. M.C. SHALL PROVIDE LOW VOLTAGE MOTORIZED DAMPER.

								EXH/	4US7	ΓFAN	SCHE	DULE				
	EF #	LOCATION	SYSTEM	CFM	SP	FAN RPM	MOTOR H.P.	ELEC CHAR	AMPS	DAMPER BDD OR MOD	DRIVE	FAN TYPE	INTERLOCK/ CONTROL	WEIGHT	MANUFACTURER & MODEL NUMBER	NOTES
	1	ROOF	EXHAUST	825	0.50	1656	0.25	120/1	_	MOD	DIRECT	CENT	LIGHTS	50	GREENHECK G-120-VG	1-3
	_2	ROOF	EXHAUST	225	0.50	1725	0.05	120/1		MOD	DIRECT	CENT	F-13	30	GREENHECK G-080-VG	1-3
$\overline{1}$	3	IT	EXHAUST	450	0.50	1230	0.13	120/1		BDD	DIRECT	CEILING	THERMOSTAT	30	GREENHECK SP-A700-VG	1
		EQUIPMEN	T. ELECTRON	NIC SPEED	CONTRO	l mounte	D ABOVE A	SSARY DIMEN	CEILING.	ELECTRICAL,				ATIONS NEO	CESSITATED BY PROVIDING ALTERNATE	

3. OPERATION OF DEVICE ON OCCUPIED MODE OF RTU OR SWITCH WITH LIGHTS. SEE INTERLOCK/CONTROL COLUMN FOR TYPE.

				LOU	JVER SC	HEDU	LE								
	CONNECTED TO SIZE (IN) (WXH) MINIMUM FREE AREA FLANGE CONSTRUCTION INCLUDE MANUFACTURER AND MODEL NUMBER COMMENTS NOTES														
1	1     WC DOOR     8.5X8.5     0.28     YES     STEEL     NO     AIR CONDITIONING PRODUCTS SDL     SIGHT PROOF DOOR LOUVER     1-2														
1.	M.C. IS RESPONSIBLE FOR PR PROVIDE PAINTED KYNAR FINI PROVIDE SLIP FIT COLLAR.			DIMENSIONAL, ELEC	CTRICAL, MECHANI	CAL, AND ST	RUCTURAL ALTERATIONS NECESSITATED B	BY PROVIDING ALTERNATE EQUIPMENT.							



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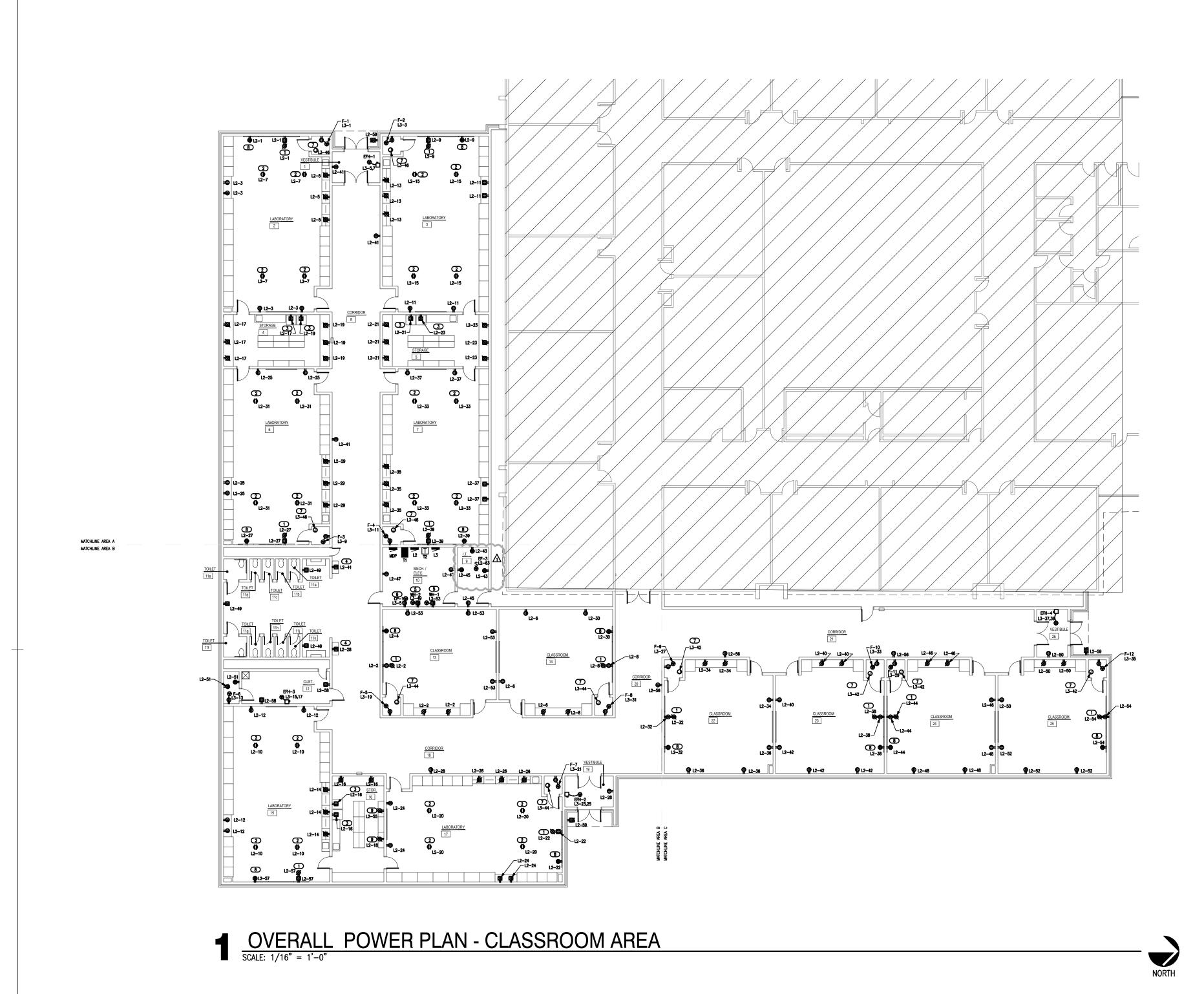
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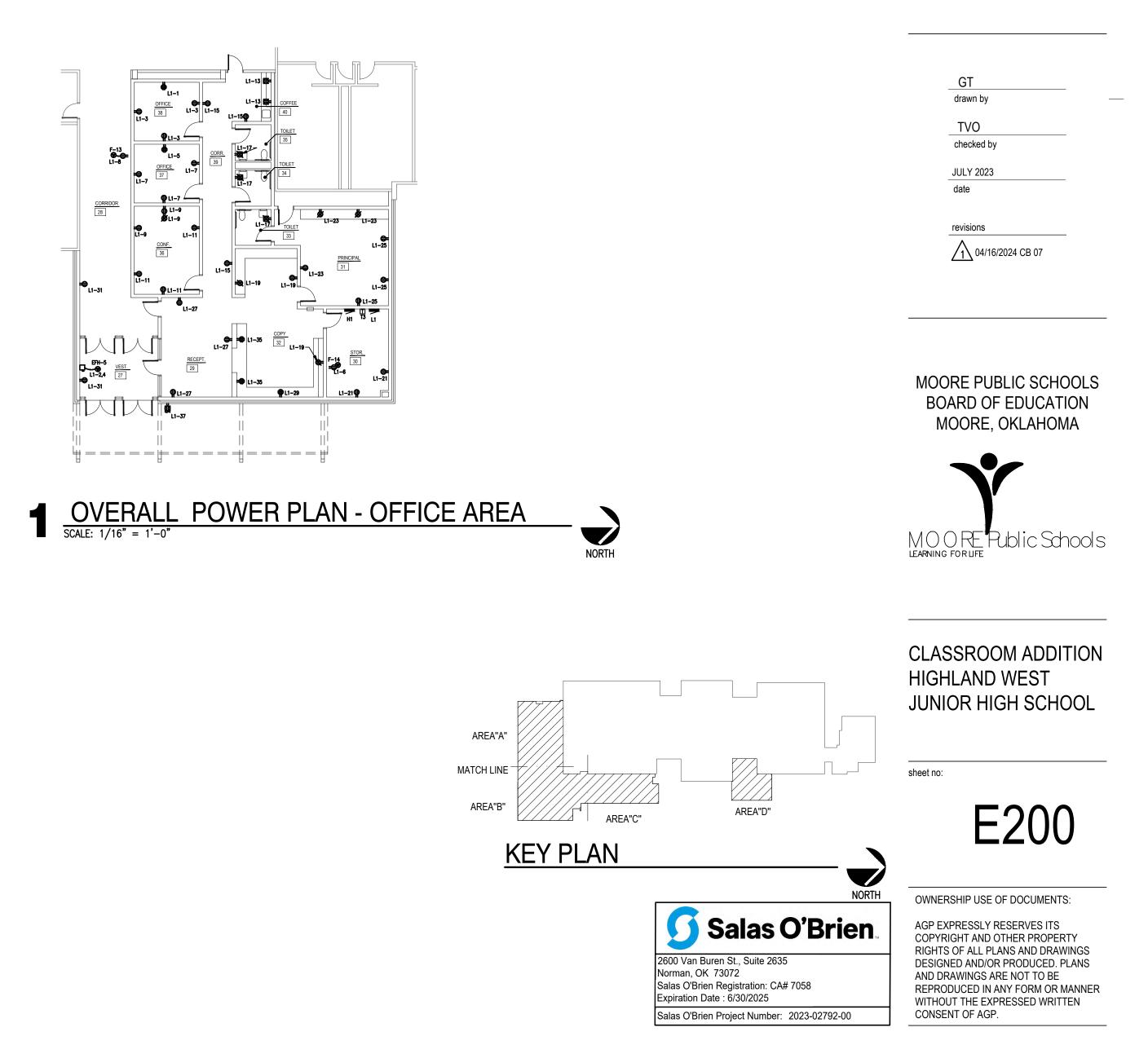
OWNERSHIP USE OF DOCUMENTS:

**5** Salas O'Brien 2600 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058

Salas O'Brien Project Number: 2023-02792-00

Expiration Date : 6/30/2025





## POWER GENERAL NOTES

- . COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
- 2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
- 3. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.





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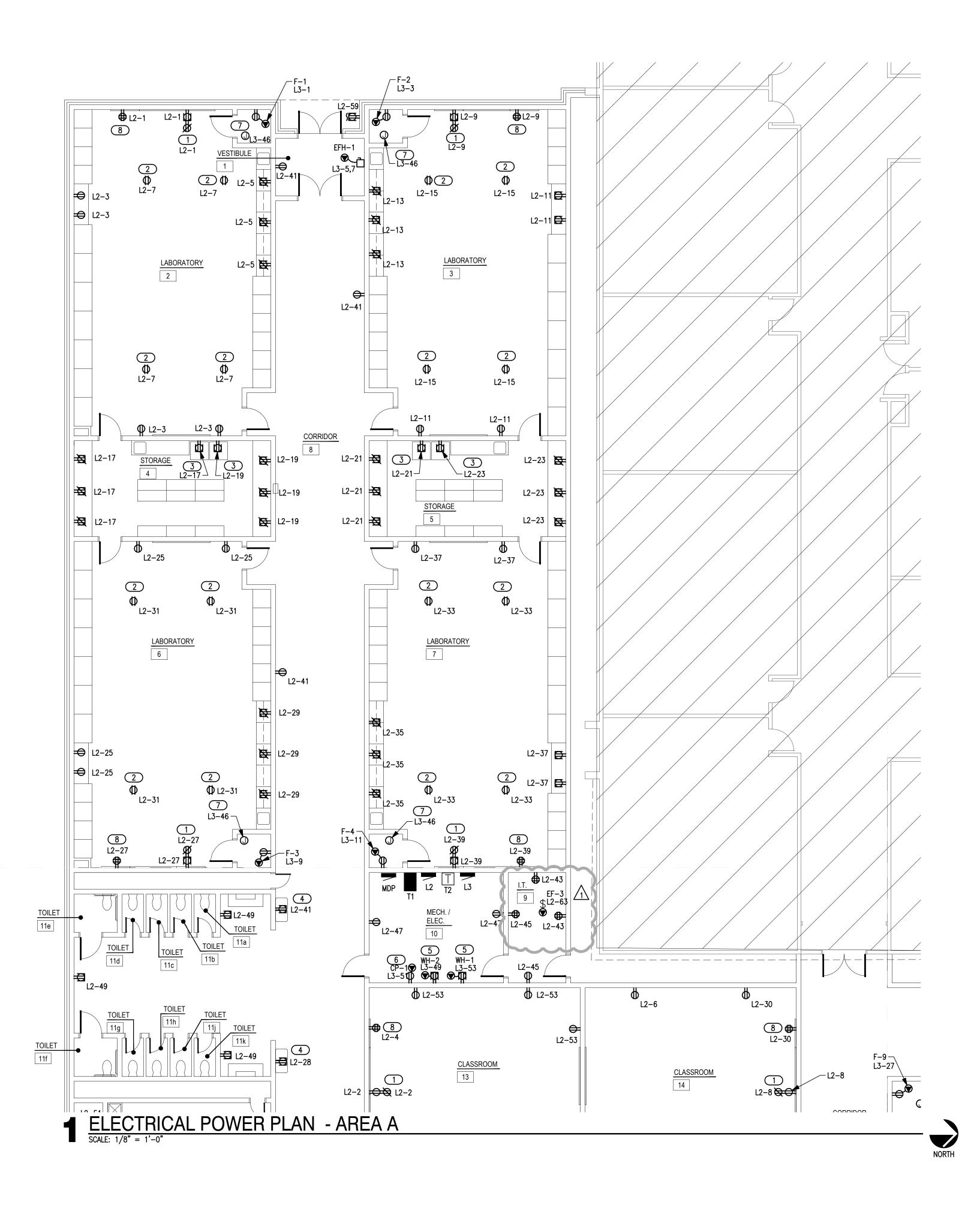
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MATCHLINE AREA A MATCHLINE AREA B

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- 2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
- 3. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.

$\square$	KEYED NOTES
1	RECEPTACLE FOR SMART BOARD (BY OWNER) IN A RECESSED BACK BOX. REFER TO DETAIL 'E501/5' FOR ADDITIONAL INFORMATION.
2	PROVIDE 120V DROP CORD RECEPTACLE FOR GENERAL USE. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E501/9' FOR ADDITIONAL INFORMATION.
3	PROVIDE 120V RECEPTACLES FOR FRIDGE & FREEZER. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. ADJUST CONNECTION AS REQUIRED FOR A COMPLETE INSTALLATION.
4	PROVIDE 120V RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.
5	PROVIDE 120V RECEPTACLE FOR WATER HEATER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
6	PROVIDE 120V CONNECTION FOR CIRCULATION PUMP. CP-1 SHALL SERVE BOTH WH-1 & WH-2. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
7	PROVIDE 120V CONNECTION FOR TRAP PRIMER LOCATED ON WALL 4'-0" AFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
8	APPROXIMATE LOCATION OF TEACHERS DESK. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E501/5' FOR ADDITIONAL INFORMATION.
9	PROVIDE DEDICATED CIRCUIT CONNECTION FOR 3D PRINTER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
	NO WORK



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### CEDAR CREEK

CIVIL

KFC ENGINEERING

STRUCTURAL

SALAS O'BRIEN MECHANICAL / ELECTRICAL



GT drawn by

TVO checked by

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revisions

JULY 2023 date

1 04/16/2024 CB 07

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA

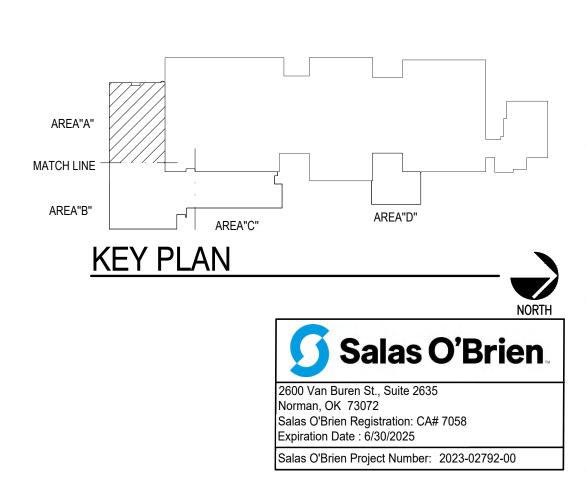


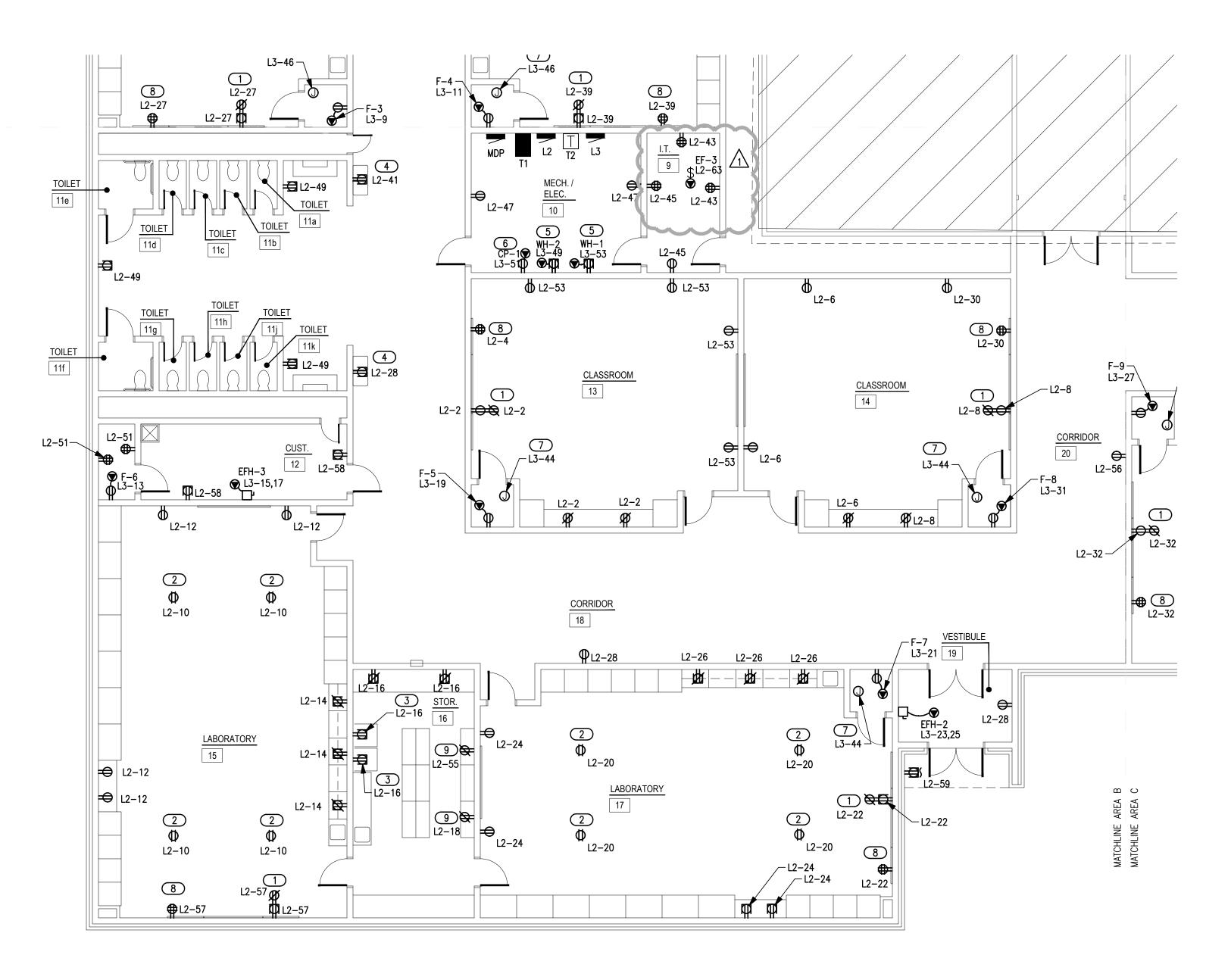
### CLASSROOM ADDITION HIGHLAND WEST JUNIOR HIGH SCHOOL

sheet no:



OWNERSHIP USE OF DOCUMENTS:





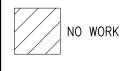


NORTH

### **ROOF GENERAL NOTES**

- COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
- COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER DEVICES.
- COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.

$\bigcirc$	KEYED NOTES
	RECEPTACLE FOR SMART BOARD (BY OWNER) IN A RECESSED BACK BOX. REFER TO DETAIL 'E501/5' FOR ADDITIONAL INFORMATION.
	PROVIDE 120V DROP CORD RECEPTACLE FOR GENERAL USE. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH—IN. REFER TO DETAIL 'E501/9' FOR ADDITIONAL INFORMATION.
	PROVIDE 120V RECEPTACLES FOR FRIDGE & FREEZER. COORDINATE FINAL LOCATIONS AND REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO ROUGH—IN. ADJUST CONNECTION AS REQUIRED FOR A COMPLETE INSTALLATION.
	PROVIDE 120V RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.
	PROVIDE 120V RECEPTACLE FOR WATER HEATER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH—IN.
	PROVIDE 120V CONNECTION FOR CIRCULATION PUMP. CP-1 SHALL SERVE BOTH WH-1 & WH-2. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
	PROVIDE 120V CONNECTION FOR TRAP PRIMER LOCATED ON WALL 4'-0" AFF. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
	APPROXIMATE LOCATION OF TEACHERS DESK. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN. REFER TO DETAIL 'E501/5' FOR ADDITIONAL INFORMATION.
	PROVIDE DEDICATED CIRCUIT CONNECTION FOR 3D PRINTER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.





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CLASSROOM ADDITION HIGHLAND WEST JUNIOR HIGH SCHOOL

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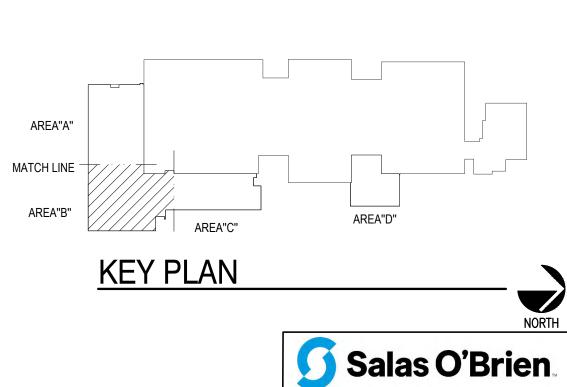
NORTH

2600 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058 Expiration Date : 6/30/2025

Salas O'Brien Project Number: 2023-02792-00



OWNERSHIP USE OF DOCUMENTS:



MECHANICAL FO	QUIPMENT SCHEDULE										Panel		ROOM MECH	VOLTS 208Y/120V	.3P 4W	AIC 65,000	Panel	ROOM MECH		VOLTS 208Y/120V 3P 4	V AIC 65,000
CALLOUT	DESCRIPTION	VOLTS	HP	KVA	MCA MOCP	CIRCUIT	WIRE CALLOUT	DISCONNECT	DISC	DISC INST			MOUNTING SURFACE	BUS AMPS 225	JI <sup>-</sup> <b>4</b> ₩	MAIN BKR 225		MOUNTING	SURFACE	BUS AMPS 225	MAIN BKR 225
CP-1	CIRCULATION PUMP	120V 1P 2W	1/6 HP	0.53	5.5 15	13 51	3/4"0 1#10 #10N #100	DUPLEX RECEPTACLE	PROV BY	EC BY			FED FROM T1 NOTE	NEUTRAL 100%		LUGS STANDARD		FED FROM NOTE	T2	NEUTRAL 100%	LUGS STANDARD
CU-1	CONDENSING UNIT	208V 2P 2W			5.5         15           31.4         50	L3-51 L3-2,4	3/4"C,1#12,#12N,#12G 3/4"C,2#8,#10G	NON-FUSED	EC	EC	CKT CKT # BKR	LOAD KVA	CIRCUIT DESCRIPTION		LOAD KVA	CIRCUIT DESCRIPTION	CKT CKT # BKR	LOAD KVA CIRCUIT DESC	CRIPTION	CKT CKT LO/ # BKR KV/	CIRCUIT DESCRIPTION
CU-2	CONDENSING UNIT	208V 2P 2W			31.4 50	L3-6,8	3/4"C,2#8,#10G	NON-FUSED	EC	EC	1 20/1	0.54	ROOM 2 RCPT, SMART BOARD		0.72	ROOM 13 RCPT, SMART BOARD RCPT	1 15/1	0.1 F-1		a 2 50/2 5.2	
CU-3	CONDENSING UNIT	208V 2P 2W		5.23	31.4 50	L3-10,12	3/4"C,2#8,#10G	NON-FUSED	EC	EC	3 20/1 5 20/1	0.72 0.54	ROOM 2 RCPT ROOM 2 RCPT	b 4 20/1 c 6 20/1	0.36	ROOM 13 RCPT ROOM 14 RCPT	3 15/1 5 20/2	0.1 F-2 2 EFH-1		b 4   c 6 50/2 5.2	3 CU-2
CU-4	CONDENSING UNIT	208V 2P 2W			31.4 50	L3-14,16	3/4"C,2#8,#10G	NON-FUSED	EC	EC	7 20/1	0.72	DROP CORD RCPT	a 8 20/1	0.54	ROOM 14 RCPT, SMART BOARD RCPT	7			a 8 Í Í	
CU-5	CONDENSING UNIT	208V 2P 2W			31.4 50	L3-18,20	3/4"C,2#8,#10G	NON-FUSED	EC	EC	9 20/1 11 20/1	0.72 0.72	ROOM 3 RCPT, SMART BOARD ROOM 3 RCPT	RCPT b 10 20/1 c 12 20/1	0.72	ROOM 15 DROP CORD RCPT ROOM 15 RCPT	9  15/1  11  15/1	0.1 F-3 0.1 F-4		b 10 50/2 5.2 c 12	3 CU-3
CU-6 CU-7	CONDENSING UNIT	208V 2P 2W 208V 2P 2W		5.23	31.4     50       31.4     50	L3-22,24	3/4"C,2#8,#10G 3/4"C,2#8,#10G	NON-FUSED NON-FUSED	FC	EC EC	13 20/1 15 20/1	0.54 0.72	ROOM 3 RCPT ROOM 3 DROP CORD RCPT	a 14 20/1 b 16 20/1	0.54	ROOM 15 RCPT ROOM 16 RCPT	13 15/1 15 20/2	0.1 F-6 1.15 EFH-3		a 14 50/2 5.2 b 16	3 CU-4
CU-8	CONDENSING UNIT	208V 2P 2W		_	31.4 50	L3-26,28	3/4"C,2#8,#10G	NON-FUSED	EC	EC	17 20/1	0.72	ROOM 4 RCPT	c 18 20/1	0.5	PRINTER	17			c 18 50/2 5.2	3 CU-5
CU-9	CONDENSING UNIT	208V 2P 2W		5.23	31.4 50	L3-34,36	3/4"C,2#8,#10G	NON-FUSED	EC	EC	19 20/1 21 20/1	0.72 0.72	ROOM 4 RCPT ROOM 5 RCPT	a 20 20/1 b 22 20/1	0.72	ROOM 17 DROP CORD RCPT ROOM 17 RCPT, SMART BOARD RCPT	19  15/1  21  15/1	0.1 F-5 0.1 F-7		a 20     b 22 50/2 5.2	3 CU-6
CU-10	CONDENSING UNIT	208V 2P 2W			31.4 50	L3-38,40	3/4"C,2#8,#10G	NON-FUSED	EC	EC	23 20/1 25 20/1	0.72 0.72	ROOM 5 RCPT ROOM 6 RCPT	c 24 20/1 a 26 20/1	0.72	ROOM 17 RCPT ROOM 17 RCPT	23 20/2 25	2 EFH-2		c 24   a 26 50/2 5.2	3 CU-8
CU-11	CONDENSING UNIT	208V 2P 2W		5.23		L3-41,43	3/4"C,2#8,#10G	NON-FUSED	EC	EC	27 20/1	0.72	ROOM 6 RCPT, SMART BOARD	RCPT b 28 20/1	0.54	ROOM 18 RCPT, ROOM 19 RCPT	27 15/1	0.1 F-9		b 28	
CU-12 CU-13	CONDENSING UNIT	208V 2P 2W 208V 2P 2W		5.23	31.4         50           31.4         50	L3-45,47	3/4"C,2#8,#10G 3/4"C,2#8,#10G	NON-FUSED NON-FUSED	EC EC	EC EC	29 20/1 31 20/1	0.54 0.72	ROOM 6 RCPT ROOM 6 DROP CORD RCPT	c 30 20/1 a 32 20/1	0.36	ROOM 14 RCPT ROOM 22 RCPT, SMART BOARD	29  15/1  31  15/1	0.1 F-11 0.1 F-8		c 30 50/2 5.2 a 32	3 CU-7
CU-14	CONDENSING UNIT	208V 2P 2W			31.4 50	L1-14,16	3/4"C,2#8,#10G	NON-FUSED	EC	EC	33 20/1 35 20/1	0.72	ROOM 7 DROP CORD RCPT ROOM 7 RCPT	b 34 20/1 c 36 20/1	0.54	ROOM 22 RCPT ROOM 22 RCPT	33 15/1 35 15/1	0.1 F-10 0.1 F-12		b 34 50/2 5.2	3 CU-9
EF-1	EXHAUST FAN	120V 1P 2W	F HP	0.1	0.6 15	L3-48	3/4"C,1#10,#10N,#10G	TOGGLE SWITCH	MC	EC	37 20/1	0.72	ROOM 7 RCPT	a 38 20/1	0.72	ROOM 23 RCPT, SMART BOARD	37 20/2	2 EFH-4		a 38 50/2 5.2	3 CU-10
	ZXHAJGT FAN	1200 17 200		0.1	0.6 15	Li-10	J/4°C,1#10,#10N,#10G	TOUGLE SWITCH	MC	LU	39 20/1 41 20/1	0.72 0.72	ROOM 7 RCPT, SMART BOARD CORRIDOR 8 RCPT	c 42 20/1	0.54	ROOM 23 RCPT ROOM 23 RCPT	39   41 50/2	5.23 CU-11		b 40     c 42 20/1 0.7	2 TRAP PRIMER
<u></u> EF-3	EXHAUST FAN	120V 1P 2W	F HP	0.1	3.5 15	L2-63	3/4"C,1#12,#12N,#12G	TOGGLE SWITCH	мс	EC	43 20/1 45 20/1	0.72 0.54	ROOM 9 RCPT ROOM 9 RCPT	a 44 20/1 b 46 20/1	0.72 0.54	ROOM 24 RCPT, SMART BOARD ROOM 24 RCPT	43   45   50/2	5.23 CU-12		a 44 20/1 0.5 b 46 20/1 0.7	4 TRAP PRIMER 2 RECEPTACLE
EFH-1 EFH-2	ELECTRIC FAN HEATER	2007 2F 2W 208V 2P 2W		2		L3-3,7 L3-23,25	3/4"C,2#10,#100	NON-FUSED	MC	EC EC	47 20/1	0.36	ROOM 10 RCPT	c 48 20/1	0.54	ROOM 24 RCPT	47			c 48 15/1 0.1	EF-1
EFH-2 EFH-3	ELECTRIC FAN HEATER	208V 2P 2W 208V 2P 2W		1.15		L3-23,25 L3-15,17	3/4°C,2#10,#10G 3/4°C,2#10,#10G	NON-FUSED	MC	EC	49 20/1 51 20/1	0.54 0.72	TOILET RCPT ROOM 12 RCPT	a 50 20/1 b 52 20/1	0.72 0.54	RECEPTACLE, ROOM 25 RCPT ROOM 25 RCPT	49 20/1 51 15/1	0.24 WH-2 0.528 CP-1		a 50 20/1 0 b 52 20/1 0	SPACE SPACE
EFH-4	ELECTRIC FAN HEATER	208V 2P 2W		2			3/4"C,2#10,#10G	NON-FUSED	MC	EC	53 20/1 55 20/1	0.72 0.5	ROOM 13 RCPT PRINTER	c 54 20/1 a 56 20/1	0.72 0.54	ROOM 25 RCPT, SMART BOARD ROOM 20,21 RCPT	53 20/1 55 20/1	0.24 WH-1 0 SPACE		c 54 20/1 0 a 56 20/1 0	SPACE SPACE
EFH-5	ELECTRIC FAN HEATER	208V 2P 2W		2	12 20	L1-2,4	3/4"C,2#10,#10G	NON-FUSED	МС	EC	57 20/1	0.72	ROOM 15 RCPT	b 58 20/1	0.34	ROOM 12 RCPT	57 20/1	0 SPACE		b 58 20/1 0	SPACE
F-1	GAS FURNACE	120V 1P 2W	F HP	0.1	1.03 15	L3-1	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	МС	EC	59  20/1   61  ∠0/1	0.54	EXTERIOR RCPT	c 60 20/1 a 62 20/1	0	SPACE SPACE	59 20/1 61 20/1	0 SPACE 0 SPACE		c 60 20/1 0 a 62 20/1 0	SPACE SPACE
F-2	GAS FURNACE	120V 1P 2W	F HP	0.1		L3-3	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	MC	EC	63 15/1	0.1	EF-3	64 20/1 c 66 20/1	0	SPACE SPACE	63 20/1	0 SPACE		b 64 20/1 0	SPACE
F-3	GAS FURNACE GAS FURNACE	120V 1P 2W 120V 1P 2W	F HP F HP	0.1	1.03151.0315	L3-9 L3-11	3/4"C,1#12,#12N,#12G 3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE		EC	67 20/1	0	SPACE	a 68 20/1	0	SPACE			0.104		
F-5	GAS FURNACE	120V 1P 2W	F HP	0.1	1.03 15	L3-19	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	MC	EC	69 20/1 71 20/1	0	SPACE SPACE	b 70 20/1 c 72 20/1	0	SPACE SPACE	LARGEST MC	TOR 5.23 CONN KVA CALC		RECEPTACLES	CONN         KVA         CALC         KVA           1.98         1.98         (50%>10)
F-6	GAS FURNACE	120V 1P 2W	F HP	0.1	1.03 15	L3-13	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	МС	EC							MOTORS	2.31 2.31	. ,	HEATING	7.14 0 (0%)
F-7	GAS FURNACE	120V 1P 2W	F HP	0.1	1.03 15	L3-21	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	MC	EC			CONN KVA CALC KVA	· · ·	1	CALC KVA				COOLING TOTAL LOAD	62.7 <u>62.7</u> (100%) <u>68.3</u>
F-8	GAS FURNACE	120V 1P 2W	F HP	0.1		L3-31	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	МС	EC	LIGHTING RECEPTACLE		0.1 0.125 (125%) 37.4 23.7 (50%>10	TOTAL LOAD ) BALANCED 3–PH/	IASE LOAD	23.8 66.1 A				BALANCED 3-PHASE L PHASE A	
F-9 F-10	GAS FURNACE GAS FURNACE	120V 1P 2W 120V 1P 2W	F HP F HP	0.1	1.03151.0315	L3-27	3/4"C,1#10,#10N,#10G		MC	EC		-		PHASE A PHASE B		108% 102%				PHASE B PHASE C	98% 101%
F-10	GAS FURNACE	120V 1P 2W	F HP		1.03 15	L3-33	3/4"C,1#10,#10N,#10G 3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	MC	EC				PHASE C		90.5%					
F-12	GAS FURNACE	120V 1P 2W	F HP	0.1		L3-35	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	MC	EC	Panel		ROOM STORAGE	VOLTS 208Y/120V 3	3P 4W	AIC 65,000	Panel	ROOM STOR	AGE	VOLTS 480Y/277V 3P 4	W AIC 65,000
F-13	GAS FURNACE	120V 1P 2W	F HP	0.1	1.03 15	L1-8	3/4"C,1#10,#10N,#10G	DUPLEX RECEPTACLE	мс	EC			MOUNTING SURFACE	BUS AMPS 125		MAIN BKR 125		MOUNTING	SURFACE	BUS AMPS 125	MAIN BKR MLO
F-14	GAS FURNACE	120V 1P 2W	F HP			L1-6	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	МС	EC			FED FROM T3 NOTE	NEUTRAL 100%		LUGS STANDARD		FED FROM NOTE	MDP	NEUTRAL 100%	LUGS STANDARD
WH-1	WATER HEATER	120V 1P 2W		0.24		L3-53	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	EC	EC		LOAD	CIRCUIT DESCRIPTION	CKT CKT # BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT CKT # BKR	LOAD KVA CIRCUIT DESC		CKT CKT LC	AD A CIRCUIT DESCRIPTION
WH-2	WATER HEATER	120V 1P 2W		0.24	2.5 20	L3-49	3/4"C,1#12,#12N,#12G	DUPLEX RECEPTACLE	EC	EC		0.36	ROOM 38 RCPT	a 2 20/2	2	EFH-5	1 50/3	21 XFMR T3			8 LIGHTING
		I	Panel			ECH SURFACE	VOLTS 480Y/277V				3 20/1 5 20/1	0.54 0.36	ROOM 38 RCPT ROOM 37 RCPT	b 4   c 6  15/1	0 1	F-14	3			b 4 20/1 0.2 c 6 20/1 0	08 LIGHTING SPACE
			MDP		FED FROM	UTILITY	BUS AMPS 400 NEUTRAL 100%	MAIN BKR LUGS S			7 20/1	0.54	ROOM 37 RCPT	a 8 15/1	0.1	F-13	7 20/1	0 SPACE		a 8 20/1 0	SPACE
			ктіскт	LOAD	NOTE						9 20/1 11 20/1	0.54 0.54	ROOM 36 RCPT ROOM 36 RCPT	b 10 50/2 c 12	5.23	CU-13	9 20/1 11 20/1	0 SPACE 0 SPACE		b 10 20/1 0 c 12 20/1 0	SPACE SPACE
		#	BKR	KVA	CIRCUIT D	ESCRIPTION	# BKR	KVA CIRCUIT DESC	RIPTION		13 20/1 15 20/1	0.36 0.54	ROOM 40 RCPT ROOM 39,40 RCPT	a 14 50/2	5.23	CU-14	13 20/1 15 20/1	0 SPACE 0 SPACE		a 14 20/1 0 b 16 20/1 0	SPACE SPACE
		1	125/3 3	37.4	XFMR T1		a 2 20/1 b 4 20/1	2.94 LIGHTING 2.78 LIGHTING			17 20/1	0.54	ROOM 33,34,35 RCPT	c 18 15/1	0.1	EF-2	17 20/1	0 SPACE		c 18 20/1 0	SPACE
		5			XFMR T2		c 6 20/1	2.11 LIGHTING			19 20/1 21 20/1	0.54 0.36	ROOM 32 RCPT ROOM 30 RCPT	a 20 20/1 b 22 20/1	0	SPACE SPACE	19 20/1 21 20/1	0 SPACE 0 SPACE		a 20 20/1 0 b 22 20/1 0	SPACE SPACE
		/   g	7  125/3 7	74.1			a 8 20/1 b 10 20/1	2.72LIGHTING0.499EXTERIOR LIGH	TING		23 20/1 25 20/1	0.54 0.54	ROOM 31 RCPT ROOM 31 RCPT	c 24 20/1 a 26 20/1	0	SPACE SPACE	23 20/1 25 20/1	0 SPACE 0 SPACE		c 24 20/1 0 a 26 20/1 0	SPACE SPACE
		1	1     3  125/3	22.8	PANEL H1		c 12 20/1 a 14 20/1	0 SPACE 0 SPACE			27 20/1	0.54	RECEPTACLE, ROOM 29 RCPT	b 28 20/1	0	SPACE	27 20/1	0 SPACE		b 28 20/1 0	SPACE
		1	5				b 16 20/1	0 SPACE			29 20/1 31 20/1	0.36 0.36	ROOM 32 RCPT ROOM 27,28 RCPT	c 30 20/1 a 32 20/1	0	SPACE SPACE	29 20/1 31 20/1	0 SPACE 0 SPACE		c 30 20/1 0 a 32 20/1 0	SPACE SPACE
			/     9  20/1	0	SPACE		c 18 20/1 a 20 20/1	0 SPACE 0 SPACE			33 20/1	0	SPACE	b 34 20/1	0	SPACE	33 20/1	0 SPACE		b 34 20/1 0	SPACE
		2	1 20/1	0	SPACE SPACE		b 22 20/1	0 SPACE			35 20/1 37 20/1	0.72 0.18	ROOM 32 RCPT EXTERIOR RCPT	c 36 20/1 a 38 20/1	0	SPACE SPACE	35 20/1 37 20/1	0 SPACE 0 SPACE		c 36 20/1 0 a 38 20/1 0	SPACE SPACE
		2	5 20/1	0	SPACE		c 24 20/1 a 26 20/1	0 SPACE 0 SPACE			39 20/1 41 20/1	0.18	ROOF RCPT SPACE	b 40 20/1 c 42 20/1	0	SPACE SPACE	39 20/1 41 20/1	0 SPACE 0 SPACE		b 40 20/1 0 c 42 20/1 0	SPACE SPACE
		2	7  20/1 9  20/1	0 0	SPACE SPACE		b 28 20/1 c 30 20/1	0 SPACE 0 SPACE													
		3	1 20/1	0	SPACE		a 32 20/1	0 SPACE					CONN KVA CALC KVA			NN KVA CALC KVA		CONN_KVACAL	LC KVA		CONN KVA CALC KVA
		3.	5 20/1	0	SPACE SPACE		b 34 20/1 c 36 20/1	0 SPACE 0 SPACE			LARGEST MC	TOR	5.23 $1.31$ $(25%)$	RECEPTACLES	8.64		LIGHTING	1.78 2.23		RECEPTACLES	8.28 8.28 (50%>10)
		3 גר	7  20/1 9  20/1	0	SPACE SPACE		a 38 20/1 b 40 20/1	0 SPACE 0 SPACE			MOTORS		0.3 0.3 (100%)	HEATING COOLING	2 10.5	· · ·	LARGEST M MOTORS	DTOR 5.23 1.31 0.3 0.3		HEATING COOLING	2 0 (0%) 10.5 <u>10.5</u> (100%)
		4	1 20/1	0	SPACE		c 42 20/1	0 SPACE						TOTAL LOAD		20.7				TOTAL LOAD	22.6
														BALANCED 3-PHA PHASE A	ASE LUAD	57.4 A 94.6%				BALANCED 3-PHASE I PHASE A	109%
					CONN KVA			CONN KVA CALC K		× 10)				PHASE B PHASE C		122% 83%				PHASE B PHASE C	118% 73.6%
1			LIGHTING		12.Ö	16 (125 1.31 (255	-	47.6 28.8	(50%> (0%)	>10)							L				

 LIGHTING
 12.8
 16
 (125%)
 RECEPTACLES
 47.6
 28.8

 LARGEST MOTOR
 5.23
 1.31
 (25%)
 HEATING
 9.14
 0

 MOTORS
 2.61
 2.61
 (100%)
 COOLING
 73.2
 73.2

 TOTAL LOAD
 122
 BALANCED 3-PHASE LOAD
 147
 A

 PHASE A
 108%
 PHASE B
 102%

 PHASE C
 90.3%
 90.3%

(0%) (100%)





MOORE PUBLIC SCHOOLS

CLASSROOM ADDITION HIGHLAND WEST

JUNIOR HIGH SCHOOL

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