

Construction Bulletin # 14

Client: Abla Griffin Partnership
 Project Name: MPS Daycare
 Project Number: 2450-70304-00

September 3, 2025

Requested by: Owner
 Contractor:
 Salas O'Brien:



To: Mike Abla, Clay Griffin

This Construction Bulletin is issued to:

- 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.	P110
2	Refer to drawings for changes shown in clouds and deltas.	E201
3	Refer to drawings for changes shown in clouds and deltas.	E601

END OF CB-14

- KEYED NOTES**
- 36 INSTALL 120 GALLON VERTICAL PROPANE TANK WITH SUPPORT STRAP FASTENED TO WALL. INSTALL 2-STAGE PRESSURE REGULATOR WITH VENT PIPED TO ROOF WITH GOOSENECK. ROUTE 1" PROPANE GAS LINE WITH FLEXIBLE CONNECTION TO GENERATOR. (355 MBH, 10" W.C. PRESSURE). COORDINATE CONNECTION WITH GENERATOR SUPPLIER ON SITE. PRESSURE REGULATOR LOCATED 10'-0" FROM GENERATOR CONNECTION.
 - 37 DUAL FUEL GENERATOR WITH AUTOMATIC SWITCH OVER TO PROPANE WHEN UNIT GENERATES LOSS OF NATURAL GAS PRESSURE IN FUEL INLET 1.
 - 38 INSTALL 2" OPEN SITE DRAIN IN CHASE FOR CONDENSATE DRAIN LINES FROM RTU'S. CONNECT TO SANITARY SERVING LAVATORY. COORDINATE ROUTING WITH MC. COORDINATE WALL ACCESS PANEL WITH GC.
 - 39 INSTALL 1 1/2" OPEN SITE DRAIN IN SINK CABINET FOR CONDENSATE DRAIN LINES FROM RTU'S. CONNECT TO SANITARY SERVING SINK. COORDINATE ROUTING WITH MC.

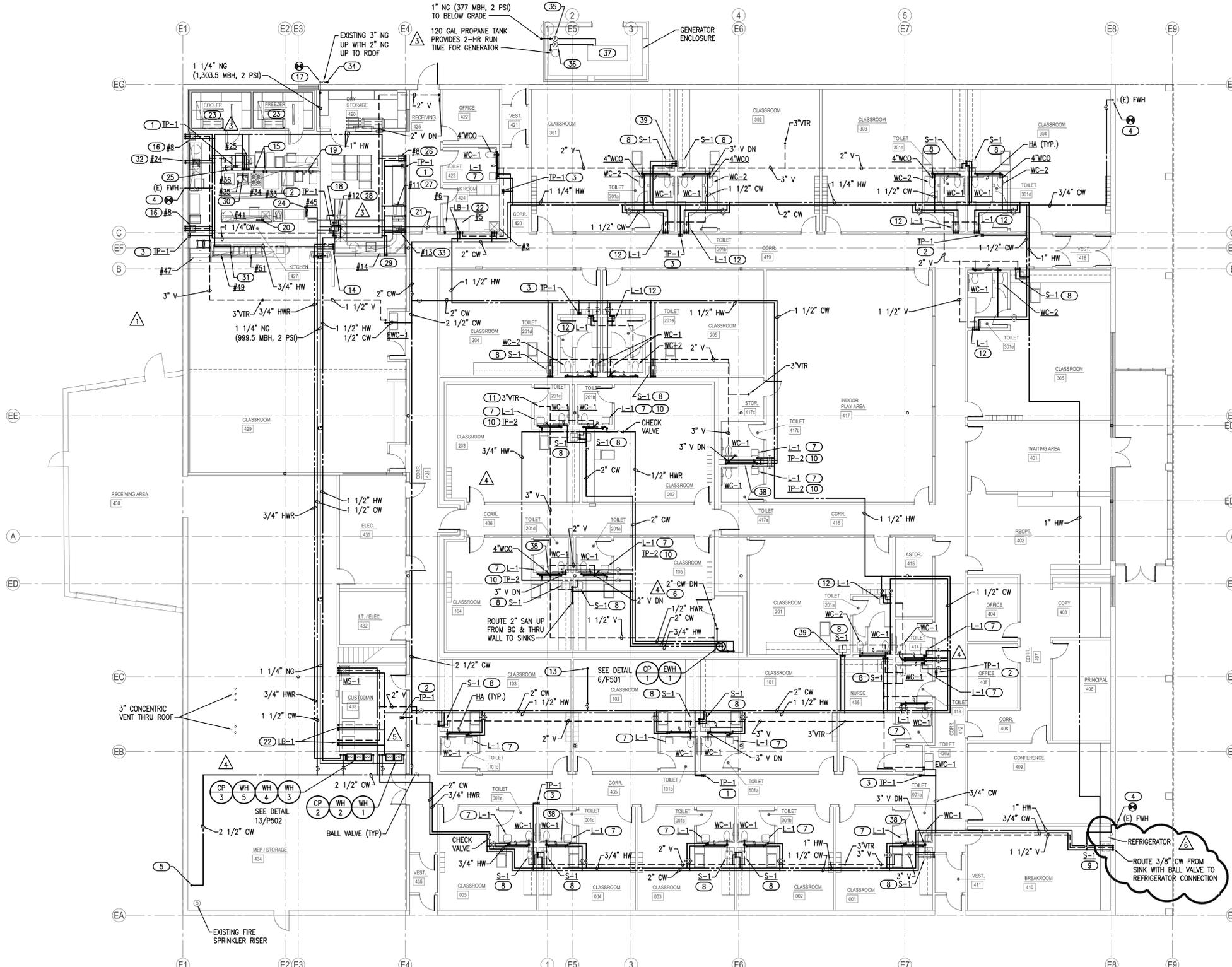
- KEYED NOTES**
- 32 ROUTE 1/2" CW AND 1/2" HW DOWN IN FUR OUT OF EXISTING CMU WALL TO SERVE PREP SINK #24 PROVIDED BY FSC. COORDINATE PIPE ROUTING WITH GC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - 33 3/4" CW AND 3/4" HW DROPS IN WALL TO SERVE FAUCET AND HOSE REEL #13 PROVIDED BY FSC. ROUTE DRAIN LINE TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - 34 CONNECT NEW 1" NATURAL GAS LINE (2 PSI) WITH LOCKABLE SHUT-OFF VALVE TO EXISTING 3" NATURAL GAS RISER AND ROUTE DOWN TO BELOW GRADE TO SERVE GENERATOR.
 - 35 INSTALL 1" NATURAL GAS (2 PSI) BALL VALVE, DRIP LEG, PRESSURE REGULATOR, UNION AND FINAL 1" CONNECTION (10" W.C. PRESSURE) WITH FLEXIBLE CONNECTION TO GENERATOR. COORDINATE CONNECTION WITH GENERATOR SUPPLIER ON SITE. PRESSURE REGULATOR LOCATED 10'-0" FROM GENERATOR CONNECTION.

- KEYED NOTES**
- 28 3/4" CW AND 3/4" HW DROPS IN WALL TO SERVE 2 FAUCETS AT #12 3-COMPARTMENT SINK PROVIDED BY FSC. ROUTE DRAIN LINES TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. SEE DETAIL 15/P502.
 - 29 ROUTE 3/4" CW AND 3/4" HW DOWN IN WALL TO BELOW COUNTERTOP. STUB OUT. INSTALL BALL VALVES AND CONNECT TO WATER TROUGH MIXING VALVE FURNISHED BY FSC. SEE FSC SHEET FS301.
 - 30 1/2" CW AND 1/2" HW DOWN IN WALL TO SERVE KETTLE #35 FAUCET PROVIDED BY FSC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - 31 CONNECT 1/2" HW TO FAUCET AT SERVING COUNTER FOOD WELL. ROUTE 1/2" HW LINE DOWN WITH TRANSITION TO PEX TUBING TO BELOW FLOOR. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTIONS.

- KEYED NOTES**
- 24 ROUTE 1/2" CW DOWN TO WATER FILTER AND CONNECT TO ICE MAKER #45. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. ICE MAKER PROVIDED BY KEC. ROUTE DRAIN LINE TO FLOOR DRAIN.
 - 25 INSTALL 3/4" CW DROP IN WALL TO SERVE CONVENTION STEAMER PROVIDED BY KEC. ROUTE DRAIN LINE TO FLOOR SINK WITH AIR GAP. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - 26 ROUTE 1/2" CW, 1/2" HW AND 2" VENT DOWN IN WALL TO SERVE HAND SINK PROVIDED BY KEC. PROVIDE THERMOSTATIC MIXING VALVE TMV-1 AND PIPE WRAP UNDER FIXTURE. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - 27 1/2" CW AND 3/4" HW DROPS IN WALL TO SERVE DISHWASHER #11 PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION. PROVIDE WATER ARRESTORS, PRV'S AND BALL VALVES ON WATER LINES IN ACCESSIBLE LOCATION. ROUTE DRAIN LINE TO FLOOR SINK.

- GENERAL NOTES**
- COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
 - PROVIDE WATER HAMMER ARRESTORS (HA) ON WATER LINES TO FLUSH VALVES, AND QUICK CLOSING VALVES. LOCATE UNITS IN ACCESSIBLE LOCATIONS.
 - SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKET FASTENED IN WALL CAVITY.
 - FIRE SEAL ALL PENETRATIONS THRU RATED STRUCTURES TO MAINTAIN FIRE RATING.
 - REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P601 FOR FIXTURE ROUGH-IN PIPE SIZES. REFER TO ISOMETRIC SHEETS P301 AND P302 FOR ADDITIONAL PIPE SIZES.
 - PROVIDE ACCESS PANELS FOR ALL VALVES/DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS.
 - ALL GAS PIPE SHALL COMPLY WITH IFCC. BRANCH LINES SHALL TAP OFF TOP OF GAS MAINS AND INSTALL SHUT-OFF VALVE ON BRANCH LINE.
 - TRAP PRIMER LINES SHALL BE COPPER TYPE "K" OR PEX-a TUBING WITH CONTINUOUS SLOPE TOWARDS DRAIN CONNECTION.
 - FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.

- KEYED NOTES**
- INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (4) 1/2" DISCHARGE LINES TO FLOOR DRAINS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
 - INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (3) 1/2" DISCHARGE LINES TO FLOOR DRAINS OR FLOOR SINKS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
 - INSTALL ELECTRIC TRAP PRIMER ASSEMBLY (TP-1) ABOVE LAY-IN CEILING IN ACCESSIBLE LOCATION. ROUTE (2) 1/2" DISCHARGE LINES TO FLOOR DRAINS IN THIS AREA. COORDINATE POWER WITH EC. SEE DETAIL 1/P501.
 - FIELD VERIFY LOCATION OF EXISTING WALL HYDRANT AND CONNECT NEW 3/4" CW TO EXISTING PIPE SERVING WALL HYDRANT.
 - ROUTE INSULATED 2 1/2" CW PIPE DOWN WITH BALL VALVE AT 24" AFF. AND CONNECT TO NEW WATER SERVICE.
 - ROUTE 2" CW PIPE DOWN TO BELOW FLOOR. INSTALL ACCESS PANEL IN BACK OF CABINET FOR BALL VALVE. SEE SHEET P101 FOR CONTINUATION.
 - ROUTE 1/2" CW, 1/2" HW AND 1 1/2" VENT IN CHASE TO SERVE LAVATORY. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
 - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN IN WALL TO SERVE SINK. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
 - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN INTO FUR OUT OF EXISTING CMU WALL TO SERVE SINK. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501. COORDINATE PIPE ROUTING WITH ARCHITECT AND GC.
 - INSTALL TRAP PRIMER (TP-2) UNDER LAVATORY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL 11/P501.
 - COORDINATE WITH STRUCTURAL FOR DEBRIS GUARD BELOW SHELTER ROOF FOR PLUMBING VENT ROOF PENETRATION.
 - 1/2" CW, 1/2" HW AND 1 1/2" VENT DOWN IN WALL TO SERVE LAVATORY. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 5/P501.
 - 3/4" CW UP TO ROOF HYDRANT. SEE SHEET P201 FOR CONTINUATION.
 - ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR DOWN IN WALL WITH PEX TUBING TO BELOW FLOOR TO SERVE ISLAND PREP SINK.
 - ROUTE 1" NG (LOW PRESS) BEHIND EQUIPMENT AND PROVIDE 3/4" GAS TO KITCHEN EQUIPMENT (33 & 34) PROVIDED BY KEC. PROVIDE SHUT-OFF VALVE AND FINAL UNIT CONNECTION. SEE DETAIL 9/P501.
 - ROUTE 1/2" CW, 1/2" HW AND 2" VENT IN FUR OUT OF EXISTING CMU WALL TO SERVE HAND SINK (#8) PROVIDED BY KEC. PROVIDE THERMOSTATIC MIXING VALVE TMV-1 AND PIPE WRAP UNDER FIXTURE. COORDINATE PIPE ROUTING WITH GC.
 - CONNECT NEW 1 1/4" NATURAL GAS LINE (2 PSI) TO EXISTING 3" NATURAL GAS RISER AND ROUTE NEW LINE INTO BUILDING.
 - ROUTE 3/4" CW DOWN IN WALL WITH TRANSITION TO PEX TUBING TO BELOW FLOOR TO SERVE ICE MAKER PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - INSTALL 3/4" NATURAL GAS (2 PSI) BALL VALVE AND PRESSURE REGULATOR (KITCHEN EQUIP). INSTALL GAS SOLENOID VALVE FURNISHED BY KITCHEN EQUIPMENT SUPPLIER AND COORDINATE POWER WITH EC TO INTERLOCK WITH EXHAUST HOOD FIRE SUPPRESSION SYSTEM. ROUTE 1" NG (LOW PRESS) TO KITCHEN EQUIPMENT.
 - ROUTE 1/2" CW, 3/4" HW AND 3/4" HWR UP FROM BELOW FLOOR, TRANSITION TO COPPER PIPE AND CONNECT TO COOK'S TABLE SINK PROVIDED BY KEC. ROUGH-IN AND PROVIDE FINAL UNIT CONNECTION.
 - INSTALL 1/2" BALL VALVE AND PRESSURE REGULATOR IN NATURAL GAS LINE SUPPLYING DRYER #6. PROVIDE 1/2" LOW PRESSURE GAS DOWN IN WALL TO GAS VALVE BOX (GVB-1) AND FLEXIBLE CONNECTION TO UNIT.
 - CLOTHES WASHER FURNISHED BY OTHERS. ROUGH-IN AND MAKE FINAL CONNECTION. PROVIDE 1/2" CW AND 1/2" HW LINES DOWN IN WALL TO LAUNDRY BOX. CONNECT FLEXIBLE SUPPLY LINES TO WASHER. ROUTE WASHER DRAIN LINE INTO WALL BOX DRAIN FITTING AND SECURE. COORDINATE WITH EQUIPMENT SUPPLIER.
 - COORDINATE WITH FOOD SERVICE CONTRACTOR FOR ROUTING CONDENSATE DRAIN LINES TO FLOOR DRAIN FROM FREEZER OR COOLER. SEE SHEET FS301.



1 PLUMBING PLAN - ABOVE GRADE
SCALE: 3/32" = 1'-0"



- KS
drawn by
KP
checked by
OCTOBER 2024
date
revisions
11/22/2024 AD 02
12/12/2024 AD 03
01/14/2025 CB01
03/17/2025 CB03
04/24/2025 CB08
09/03/2025 CB14



CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:
P110

Salas O'Brien
2800 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2450-70304-00

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CONSENT OF AGP.



DWG _____

drawn by _____

TVO _____

checked by _____

OCTOBER 2024

date

revisions

11/22/2024 AD 02

12/12/2024 AD 03

1/3/2025 AD 06

01/29/2025 CB 02

03/17/2025 CB 03

04/23/2025 CB 08

09/3/2025 CB 14



CHILD CARE FACILITY
201 N. EASTERN AVE.

sheet no:

E201

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GENERAL NOTES

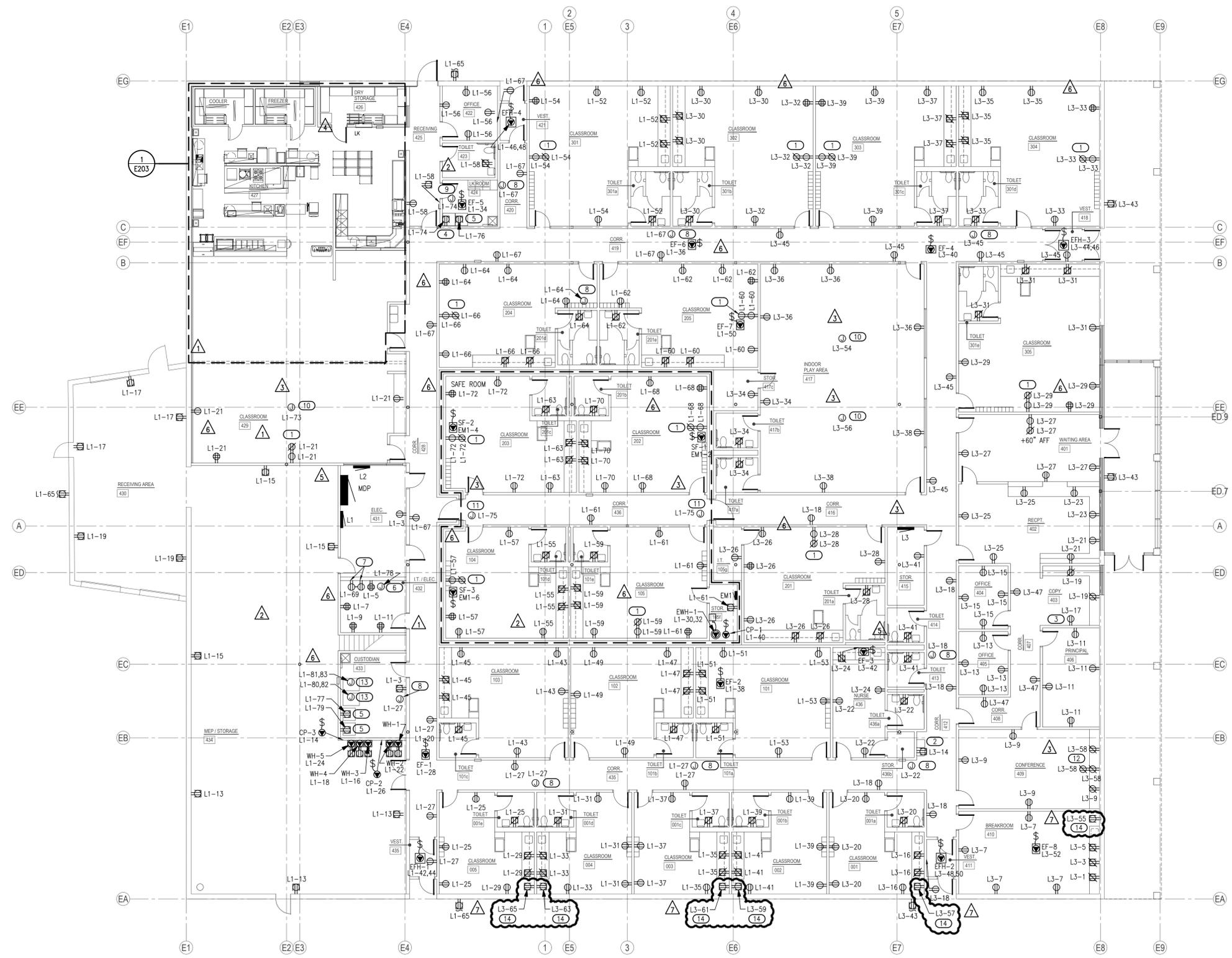
- COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
- COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
- COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
- COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
- ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
- FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION

SAFEROOM GENERAL NOTES

- PER ICC 500-2014, 309.1:
PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE THAT ARE LARGER THAN:
1. 3.5" SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS, OR
2. 2 1/16" IN DIAMETER
SHALL BE CONSIDERED AN OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE (SHROUD). REFERENCE STRUCTURAL DRAWINGS FOR A SAMPLE SHROUD DETAIL. THIS INCLUDES PENETRATIONS FOR BUNDLES OF CONDUIT.

KEYED NOTES

- PROVIDE 120V CONNECTION FOR SMARTBOARD. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ROUGH IN. REFER TO DETAIL '1/E502' FOR ADDITIONAL INFORMATION.
- PROVIDE 120V WATER COOLER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, PLUMBING CONTRACTOR, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE 120V COPY MACHINE DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE 120V GAS DRYER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH IN.
- PROVIDE 120V WASHER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH IN.
- PROVIDE 120V FIRE ALARM CONTROL PANEL. DEDICATED CONNECTION. COORDINATE RECEPTACLE TYPE AND LOCATION WITH FIRE ALARM CONTRACTOR.
- PROVIDE 120V TELECOM EQUIPMENT CONNECTION. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
- PROVIDE 120V CONNECTION FOR TRAP PRIMER. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V CONNECTION FOR DRYER BOOSTER FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR ON SITE.
- PROVIDE 120V CONNECTION FOR CEILING-MOUNTED PROJECTOR. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR.
- PROVIDE 120V CONNECTION FOR DOOR HOLD-OPEN SYSTEM. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR.
- PROVIDE 120V CONNECTION FOR TV. COORDINATE MOUNTING HEIGHT WITH ARCHITECT/OWNER.
- PROVIDE 208V ELECTRIC DRYER DEDICATED CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- PROVIDE DEDICATED 120V REFRIGERATOR CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN.



1 ELECTRICAL POWER PLAN
SCALE: 3/32" = 1'-0"



Salas O'Brien
2900 S. Telephone Road, Suite 120
Moore, OK 73160
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
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- revisions
- 1 11/22/2024 AD 02
 - 2 12/12/2024 AD 03
 - 3 1/3/2025 AD 06
 - 4 01/29/2025 CB 02
 - 5 04/23/2025 CB 08
 - 6 08/6/2025 CB 11
 - 7 09/3/2025 CB 14



sheet no:

Panel L3		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000	BUS AMPS 225		MAIN BKR 225		LUGS STANDARD		
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	NOTE [DOUBLE TUB 6"]			
1	20/1	0.18	RM 410 RECEPTACLE	a 2	20/1	0.73	LIGHTING				
3	20/1	0.18	RM 410 RECEPTACLE	b 4	20/1	0.619	LIGHTING				
5	20/1	0.18	RM 410 RECEPTACLE	c 6	20/1	0.838	LIGHTING				
7	20/1	0.72	RM 410 RECEPTACLE	a 8	20/1	0.918	LIGHTING				
9	20/1	0.72	RM 409 RECEPTACLE	b 10	20/1	0.99	LIGHTING				
11	20/1	0.72	RM 406 RECEPTACLE	c 12	20/1	0.72	ROOFTOP RECEPTACLE				
13	20/1	0.72	RM 405 RECEPTACLE	a 14	20/1	0.37	WATER COOLER RECEPTACLE				
15	20/1	0.72	RM 404 RECEPTACLE	b 16	20/1	0.54	RM 1 RECEPTACLE				
17	20/1	1.2	COPY MACHINE	c 18	20/1	1.09	CORRIDOR 412 RECEPTACLE, CORRIDOR 416 RECEPTACLE, CORRIDOR 435 RECEPTACLE, RM 411 RECEPTACLE, TRAP PRIMER				
19	20/1	0.36	RM 403 RECEPTACLE	a 20	20/1	0.72	RM 1A RECEPTACLE, RM 1 RECEPTACLE				
21	20/1	0.36	RM 402 RECEPTACLE	b 22	20/1	0.55	RM 436 RECEPTACLE, RM 436 RECEPTACLE, TRAP PRIMER				
23	20/1	0.36	RM 402 RECEPTACLE	c 24	20/1	0.36	RM 436 RECEPTACLE				
25	20/1	0.54	RM 402 RECEPTACLE	a 26	20/1	1.26	RECEPTACLE, RM 105G RECEPTACLE, RM 201 RECEPTACLE				
27	20/1	0.9	RM 401 RECEPTACLE	b 28	20/1	0.72	RM 201A RECEPTACLE, RM 201 RECEPTACLE				
29	20/1	0.9	RM 305 RECEPTACLE, SMARTBOARD	c 30	20/1	0.9	RM 301B RECEPTACLE, RM 302 RECEPTACLE				
31	20/1	0.72	RM 301E RECEPTACLE, RM 305 RECEPTACLE	a 32	20/1	0.72	RM 302 RECEPTACLE, SMARTBOARD				
33	20/1	0.9	RM 301D RECEPTACLE, RM 304 RECEPTACLE, SMARTBOARD	b 34	20/1	0.72	RM 417A RECEPTACLE, RM 417B RECEPTACLE, RM 417C RECEPTACLE, RM 417 RECEPTACLE				
35	20/1	0.72	RM 304 RECEPTACLE	c 36	20/1	0.72	RM 417 RECEPTACLE				
37	20/1	0.72	RM 301C RECEPTACLE, RM 303 RECEPTACLE	a 38	20/1	0.36	RM 417 RECEPTACLE				
39	20/1	0.9	RM 303 RECEPTACLE, SMARTBOARD	b 40	15/1	0.696	EF-4				
41	20/1	0.54	RM 413 RECEPTACLE, RM 414 RECEPTACLE, RM 415 RECEPTACLE	c 42	15/1	0.696	EF-3				
43	20/1	0.54	EXTERIOR RECEPTACLE, RECEPTACLE	a 44	20/2	2	EFH-3				
45	20/1	1.09	CORRIDOR 412 RECEPTACLE, CORRIDOR 419 RECEPTACLE, RM 418 RECEPTACLE, TRAP PRIMER	b 46							
47	20/1	0.54	CORRIDOR 407 RECEPTACLE, CORRIDOR 408 RECEPTACLE	c 48	20/2	2	EFH-2				
49	20/1	0.48	LIGHTING	a 50							
51	20/2	1.12	LIGHTING	b 52	15/1	0.696	EF-8				
53				c 54	20/1	0.5	RM 417 PROJECTOR				
55	20/1	0.8	RM 410 REFRIGERATOR	a 56	20/1	0.5	RM 417 PROJECTOR				
57	20/1	0.8	RM 1 REFRIGERATOR	b 58	20/1	0.54	RM 409 RECEPTACLE				
59	20/1	0.8	RM 2 REFRIGERATOR	c 60	20/1	0	SPACE				
61	20/1	0.8	RM 3 REFRIGERATOR	a 62	20/1	0	SPACE				
63	20/1	0.8	RM 4 REFRIGERATOR	b 64	20/1	0	SPACE				
65	20/1	0.8	RM 5 REFRIGERATOR	c 66	20/1	0	SPACE				
67	20/1	0	SPACE	a 68	20/1	0	SPACE				
69	20/1	0	SPACE	b 70	20/1	0	SPACE				
71	20/1	0	SPACE	c 72	20/1	0	SPACE				
73	20/1	0	SPACE	a 74	20/1	0	SPACE				
75	20/1	0	SPACE	b 76	20/1	0	SPACE				
77	20/1	0	SPACE	c 78	20/1	0	SPACE				
79	20/1	0	SPACE	a 80	20/1	0	SPACE				
81	20/1	0	SPACE	b 82	20/1	0	SPACE				
83	20/1	0	SPACE	c 84	20/1	0	SPACE				

CONN KVA		CALC KVA		CONN KVA		CALC KVA	
LIGHTING	5.7	7.12	(125%)	MOTORS	2.09	2.09	(100%)
LARGEST MOTOR	0.696	0.174	(25%)	RECEPTACLES	31.5	20.8	(50%>10)
				HEATING	4	4	(100%)
				TOTAL LOAD	34.1		
				BALANCED 3-PHASE LOAD	94.8 A		
				PHASE A	98.1%		
				PHASE B	104%		
				PHASE C	98%		

Panel L1		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000	BUS AMPS 225		MAIN BKR MLO		LUGS STANDARD		
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	NOTE			
1	20/1	0.9	ROOFTOP RECEPTACLE	a 2	20/1	1.24	LIGHTING				
3	20/1	0.36	RM 431 RECEPTACLE, RM 433 RECEPTACLE	b 4	20/1	1.07	LIGHTING				
5	20/1	0.36	I.T. RECEPTACLE	c 6	20/1	0.706	LIGHTING				
7	20/1	0.36	I.T. RECEPTACLE	a 8	20/1	0.48	LIGHTING				
9	20/1	0.36	I.T. RECEPTACLE	b 10	20/1	0.636	LIGHTING				
11	20/1	0.36	I.T. RECEPTACLE	c 12	20/1	1.06	LIGHTING				
13	20/1	0.54	RM 434 RECEPTACLE	a 14	20/1	0.528	CP-3				
15	20/1	0.54	RM 434 RECEPTACLE	b 16	20/1	0.1	WH-3				
17	20/1	0.54	RM 430 RECEPTACLE	c 18	20/1	0.1	WH-4				
19	20/1	0.36	RM 430 RECEPTACLE	a 20	20/1	0.1	WH-1				
21	20/1	0.9	RM 429 RECEPTACLE, SMARTBOARD	b 22	20/1	0.1	WH-2				
23	20/1	0	SPACE	c 24	20/1	0.1	WH-5				
25	20/1	0.72	RM 1E RECEPTACLE, RM 5 RECEPTACLE	a 26	20/1	0.528	CP-2				
27	20/1	0.93	CORRIDOR 428 RECEPTACLE, CORRIDOR 435 RECEPTACLE, RM 435 RECEPTACLE, TRAP PRIMER	b 28	15/1	0.696	EF-1				
29	20/1	0.54	RM 5 RECEPTACLE	c 30	30/2	4.5	EFH-1				
31	20/1	0.72	RM 1D RECEPTACLE, RM 4 RECEPTACLE	a 32							
33	20/1	0.54	RM 4 RECEPTACLE	b 34	15/1	0.696	EF-5				
35	20/1	0.54	RM 3 RECEPTACLE	c 36	15/1	0.696	EF-6				
37	20/1	0.72	RM 1C RECEPTACLE, RM 3 RECEPTACLE	a 38	15/1	0.696	EF-2				
39	20/1	0.72	RM 1B RECEPTACLE, RM 2 RECEPTACLE	b 40	20/1	0.528	CP-1				
41	20/1	0.54	RM 2 RECEPTACLE	c 42	20/2	2	EFH-1				
43	20/1	0.54	RM 103 RECEPTACLE	a 44							
45	20/1	0.72	RM 101C RECEPTACLE, RM 103 RECEPTACLE	b 46	20/2	2	EFH-4				
47	20/1	0.72	RM 101B RECEPTACLE, RM 102 RECEPTACLE	c 48							
49	20/1	0.54	RM 102 RECEPTACLE	a 50	15/1	0.696	EF-7				
51	20/1	0.72	RM 101A RECEPTACLE, RM 101 RECEPTACLE	b 52	20/1	0.9	RM 301A RECEPTACLE, RM 301 RECEPTACLE, RM 303 RECEPTACLE				
53	20/1	0.54	RM 101 RECEPTACLE	c 54	20/1	0.72	RM 301 RECEPTACLE, SMARTBOARD				
55	20/1	0.72	RM 101D RECEPTACLE, RM 104 RECEPTACLE	a 56	20/1	0.72	RM 422 RECEPTACLE				
57	20/1	0.72	RM 104 RECEPTACLE	b 58	20/1	0.54	RM 423 RECEPTACLE, RM 424 RECEPTACLE, RM 425 RECEPTACLE				
59	20/1	1.08	RM 101E RECEPTACLE, RM 105 RECEPTACLE	c 60	20/1	0.9	RM 205 RECEPTACLE				
61	20/1	0.9	CORRIDOR 436 RECEPTACLE, RM 105F RECEPTACLE, RM 105 RECEPTACLE	a 62	20/1	0.9	RM 201E RECEPTACLE, RM 205 RECEPTACLE				
63	20/1	0.72	RM 201C RECEPTACLE, RM 203 RECEPTACLE	b 64	20/1	1.09	RECEPTACLE, RM 201D RECEPTACLE, RM 204 RECEPTACLE, TRAP PRIMER				
65	20/1	0.54	EXTERIOR RECEPTACLE	c 66	20/1	0.9	RECEPTACLE, RM 204 RECEPTACLE				
67	20/1	1.1	CORRIDOR 419 RECEPTACLE, CORRIDOR 428 RECEPTACLE, CORRIDOR 428 RECEPTACLE, RM 421 RECEPTACLE, TRAP PRIMER	a 68	20/1	0.9	RM 202 RECEPTACLE				
69	20/1	0.36	TELECOM EQ	b 70	20/1	0.72	RM 201B RECEPTACLE, RM 202 RECEPTACLE				
71	20/1	0.72	MEZZANINE RECEPTACLE	c 72	20/1	0.9	RM 203 RECEPTACLE				
73	20/1	0.5	RM 429 PROJECTOR	a 74	20/1	0.415	DRYER, DRYER BOOSTER FAN				
75	20/1	0.02	DOOR HOLD-OPEN SYSTEM, DOOR SPEAKER SYSTEM	b 76	20/1	0.84	WASHER				
77	20/1	0.84	WASHER	c 78	20/1	0.18	FACP				
79	20/1	0.84	WASHER	a 80	30/2	4.6	DRYER				
81	30/2	4.6	DRYER	b 82							
83				c 84	20/1	0	SPACE				

CONN KVA		CALC KVA		CONN KVA		CALC KVA	
LIGHTING	5.2	6.5	(125%)	MOTORS	5.56	5.56	(100%)
LARGEST MOTOR	0.696	0.174	(25%)	RECEPTACLES	44.2	27.1	(50%>10)
				HEATING	8.5	8.5	(100%)
				TOTAL LOAD	47.8		
				BALANCED 3-PHASE LOAD	133 A		
				PHASE A	105%		
				PHASE B	99.9%		
				PHASE C	95.1%		

Panel MDP		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000	BUS AMPS 1200		MAIN BKR 1200		LUGS STANDARD		
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	NOTE PROVIDE INTEGRAL SPD, SHUNT TRIP MAIN BREAKER			
1	225/3	63.5	PANEL L1	a 2	600/3	190	PANEL L2				
3				b 4							
5				c 6							
7	225/3	43.3	PANEL L3	a 8	400/3	93.3	PANEL LK				
9				b 10							
11				c 12							
13	20/1	0	SPACE	a 14	60/3	9.38	TRANSFER SWITCH ATS				
15	20/1	0	SPACE	b 16							
17	20/1	0	SPACE	c 18							
19	20/1	0	SPACE	a 20	20/1	0	SPACE				
21	20/1	0	SPACE	b 22	20/1	0	SPACE				
23	20/1	0	SPACE	c 24	20/1	0	SPACE				
25	20/1	0	SPACE	a 26	20/1	0	SPACE				
27	20/1	0	SPACE	b 28	20/1	0	SPACE				
29	20/1	0	SPACE	c 30	20/1	0	SPACE				

CONN KVA		CALC KVA		CONN KVA		CALC KVA	
LIGHTING	16.7	20.9	(125%)	RECEPTACLES	80.1	45.1	(50%>10)
LARGEST MOTOR	18	4.5	(25%)	HEATING	205	205	(100%)
MOTORS	97.2	97.2	(100%)	COOLING	190	0	(0%)
				TOTAL LOAD	373		
				BALANCED 3-PHASE LOAD	1,040 A		
				PHASE A	103%		
				PHASE B	101%		
				PHASE C	96.4%		

Panel L2		ROOM MOUNTING SURFACE	VOLTS 208Y/120V 3P 4W	AIC 65,000	BUS AMPS 600		MAIN BKR MLO		LUGS STANDARD		
CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	CIRCUIT DESCRIPTION	NOTE			
1	50/3	9.17	RTU-1	a 2	45/3	8.95	RTU-9				
3				b 4							
5				c 6							
7	50/3	10.9	RTU-2	a 8	50/3	10.9	RTU-10				
9				b 10							
11				c 12							
13	50/3	9.17	RTU-3	a 14	70/3	16.6	RTU-11				
15				b 16							
17				c 18							
19	50/3	10.9	RTU-4	a 20	45/3	8.95	RTU-12				
21				b 22							