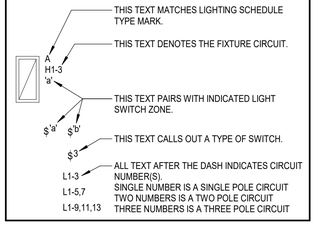
SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
GENERAL	
(#)	KEYNOTES
(#)	KITCHEN EQUIPMENT ID TAG
(#)	REVISION TAG
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	LIGHT FIXTURE
	FIXTURE ON EMERGENCY CIRCUIT OR BATTERY BACK-UP
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$4	4-WAY SWITCH
$K	KEYED SWITCH
$3K	KEYED 3-WAY SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$VD	WALL MOUNTED DIMMER SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$V	WALL MOUNTED SWITCH WITH VACANCY SENSOR. MANUAL ON / AUTO OFF.
$OC	WALL MOUNTED SWITCH WITH VACANCY SENSOR. AUTO ON / AUTO OFF.
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
[B]	PUSH BUTTON
$TH	6-HOUR TIMER SWITCH WITH HOLD
$T	6-HOUR TIMER SWITCH WITH NO HOLD
(G)	20 AMP GENERATOR TRANSFER DEVICE
$WS	WIRELESS SWITCH
LOW VOLTAGE LIGHTING CONTROLS	
$R	LOW VOLTAGE LIGHTING CONTROLLER WALL SWITCH
$B	BMCS TIMER LOCAL OVERRIDE SWITCH
(P)	CEILING MOUNTED PHOTO SENSOR
(V)	CEILING MOUNTED VACANCY SENSOR, MANUAL ON / AUTO OFF
(S)	CEILING MOUNTED OCCUPANCY SENSOR, AUTO ON / AUTO OFF
(R)	LIGHTING CONTROLLER WITH GTD. ZONES AS REQUIRED.
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	POWER POLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	CEILING MOUNTED RECEPTACLE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE.
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	FLUSH FLOOR CONCEALED SERVICE DUPLEX RECEPTACLE OUTLET
	FLUSH FLOOR CONCEALED SERVICE DOUBLE DUPLEX RECEPTACLE OUTLET
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH WIRING DEVICES AS INDICATED ON DRAWINGS. SIZE TO MATCH DEVICE QUANTITIES.
[R]	REMOTE BLANK FACE GFCI DEVICE.
U	PROVIDE DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.
[CR]	E.C. TO PROVIDE ROUGH-IN FOR CARD READER JUNCTION BOX. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL INFORMATION.
SR	SWITCH CONTROLLED RECEPTACLE WITH THE TOP RECEPTACLE LOAD CONTROLLED VIA PLUG LOAD SWITCH MEETING 2021 IECC 405.11 REQUIREMENTS. SPLIT LOAD-CONTROLLED RECEPTACLES SHALL BE PERMANENTLY FACTORY MARKED AS CONTROLLED.
	ELECTRICAL CONNECTION
(J)	ELECTRICAL J-BOX CONNECTION

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
MISCELLANEOUS EQUIPMENT	
FACP	FIRE ALARM CONTROL PANEL
ANNC	FIRE ALARM REMOTE ANNUCIATOR
T	TRANSFORMER FOR DOOR BELL/BUZZER
	CHIME/BUZZER
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	FUSED DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
ELECTRICAL EQUIPMENT	
OR	ELECTRICAL DISTRIBUTION OR PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
SUBSCRIPTS AND ABBREVIATIONS	
WG	INDICATES WIREGUARD
H	INDICATES HORIZONTAL
TL	INDICATES TWIST LOCK
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
1-L	REFER TO ONE-LINE DIAGRAM
	INDICATES WALL MOUNTED DEVICE
AC	ABOVE COUNTERTOP
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ANNC	ANNUNICIATOR
CC	CONTROLS CONTRACTOR
DF	DRINKING FOUNTAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
EXR	EXISTING RELOCATED
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPT
HP	HORSEPOWER
IBC	INTERNATIONAL BUILDING CODE
IG	ISOLATED GROUND
LSIG	LONG TIME, SHORT TIME, INSTANTAEOUS, AND GROUND
LV	LOW VOLTAGE
LVRP	LV RELAY PANEL
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MDP	MAIN DISTRIBUTION PANEL
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTD	MOUNTED
NIC	NOT IN CONTRACT
OCC	OCCUPANCY
PC	PLUMBING CONTRACTOR
PNL	PANEL
SPST	SINGLE POLE SINGLE THROW
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
WG	WIRE GUARD
WP	WEATHER PROOF
20A	20 AMP
ø	PHASE
3W	3 WIRE
1P20A	SINGLE POLE 20 AMP
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES.

CIRCUITING



GENERAL NOTES:

1. ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT AND DEVICES TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES.
2. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.
3. SEE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY.
5. INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE.
6. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED.
7. ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY ELECTRICAL SYSTEM FOR THE PROJECT. AT LEAST ONE 120 VOLT SINGLE PHASE RECEPTACLE SHALL BE PROVIDED FOR EACH 500 SQUARE FEET OF FLOOR SPACE. SUFFICIENT TEMPORARY LIGHTING SHALL BE PROVIDED TO ALLOW ALL CONTRACTORS TO COMPLETE THEIR WORK. TEMPORARY ELECTRICAL CIRCUITS SHALL BE EQUIPPED WITH COMBINATION GROUND FAULT INTERRUPTER AND CIRCUIT BREAKER PER NEC. TEMPORARY ELECTRICAL SYSTEM SHALL BE INCLUDED IN THIS BID. USAGE CHARGES SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.

ELECTRICAL SHEET INDEX

E000	ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS
E001	ELECTRICAL SITE PLAN
E101	ELECTRICAL LIGHTING PLAN
E201	ELECTRICAL POWER PLAN
E202	ELECTRICAL ROOF PLAN
E401	ELECTRICAL ONE-LINE DIAGRAM
E501	ELECTRICAL DETAILS
E502	LIGHTING CONTROLS DETAIL
E601	ELECTRICAL SCHEDULES
E602	ELECTRICAL SCHEDULES

FIRE ALARM GENERAL NOTES

1. FIRE ALARM SCOPE: PROVIDE A COMPLETE AND CODE COMPLIANT FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING.
2. BUILDING DOES HAVE AN AUTOMATIC SPRINKLER SYSTEM.
3. EC COORDINATE WITH FIRE ALARM CONTRACTORS AHJ APPROVED SHOP DRAWINGS FOR ROUGH IN LOCATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, COMPONENTS, AND DEVICES REQUIRED TO MEET THE LOCAL CODE.
5. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN A SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

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date

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Δ	DESCRIPTION	DATE

MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

E000

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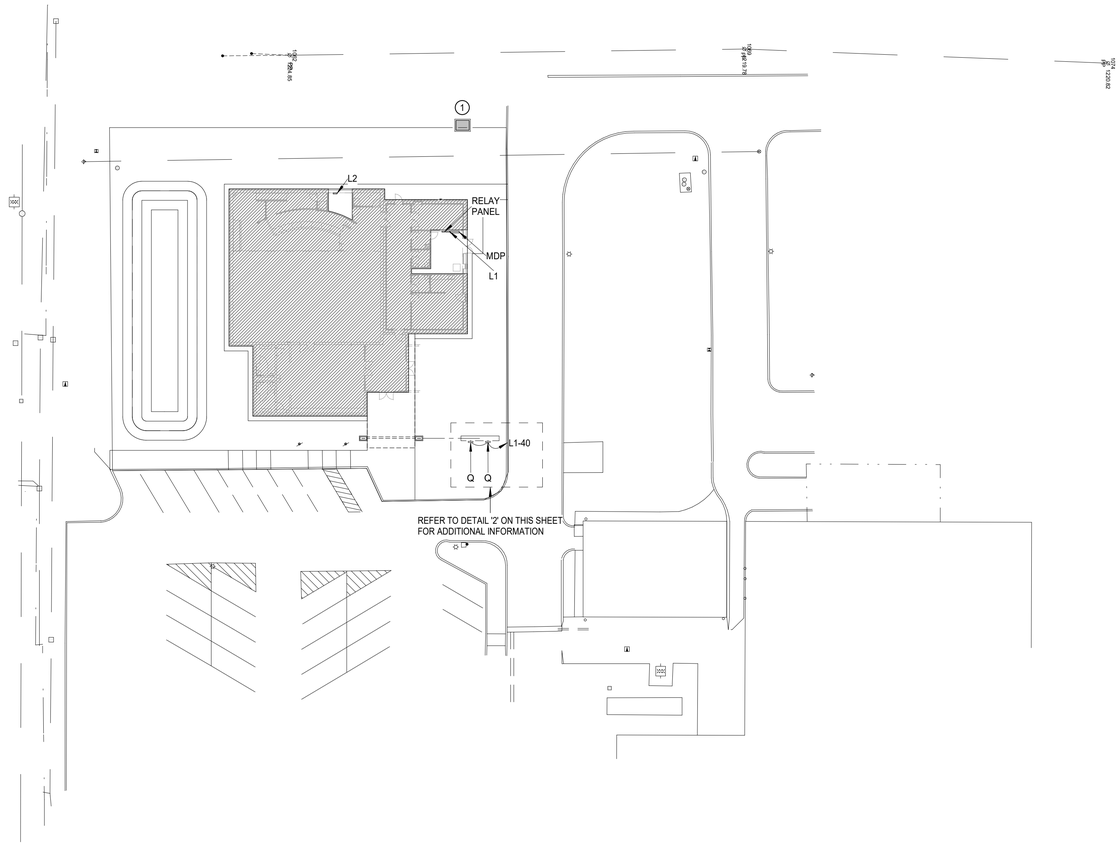
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GENERAL NOTES

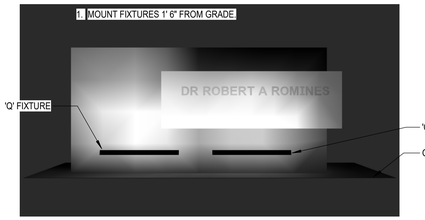
1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC ONLY. CONSULT WITH GENERAL CONTRACTOR FOR DETAILS ON BIDDING; PROVIDE ALL PARTS AND LABOR FOR A COMPLETE AND CODE COMPLIANT FACILITY.
3. ELECTRICAL CONTRACTOR TO SHOW ACTUAL ROUTING OF ALL BELOW-GRADE CONDUITS AND WIRING ON AS-BUILT DRAWINGS. ROUTES SHOWN ARE GENERAL IN NATURE AND ACTUAL ROUTE SHALL BE DETERMINED BY GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR ONSITE.

KEYED NOTES

1	PROPOSED LOCATION OF NEW 208V 3 PHASE PADMOUNT UTILITY TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH UTILITY PRIOR TO BEGINNING WORK. REFER TO SHEET 'E401' FOR ADDITIONAL INFORMATION.



N 1 **ELECTRICAL SITE PLAN**
Scale: 1" = 30'-0"



2 **EAST ELEVATION SIGN DETAIL**
Scale: N.T.S.

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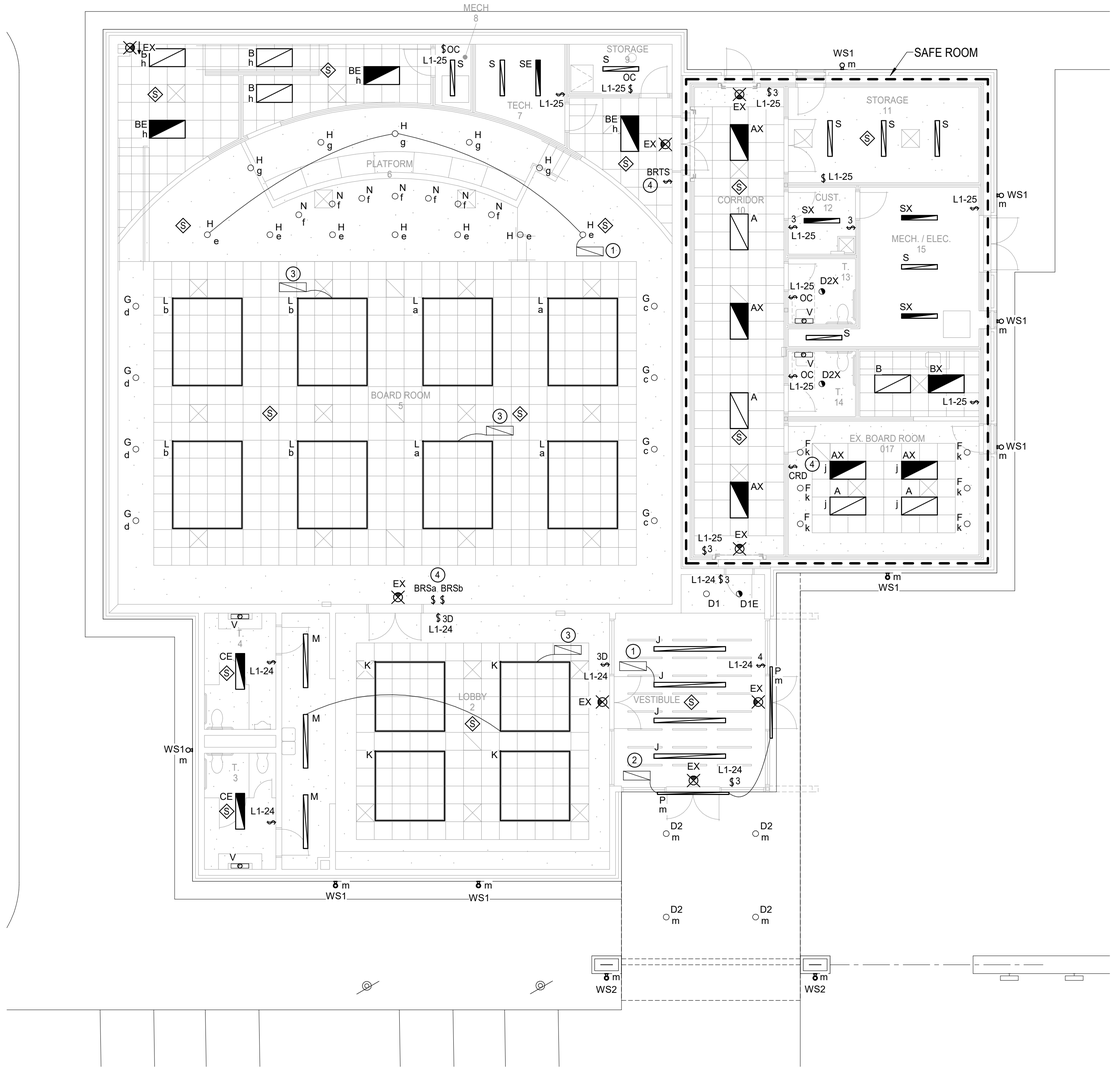
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1 ELECTRICAL LIGHTING PLAN

Scale: 1/8" = 1'-0"

LIGHTING GENERAL NOTES

1. OCCUPANCY SENSOR LOCATIONS SHOWN ARE FOR DESIGN INTENT ONLY. LOCATE OCCUPANCY SENSORS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
2. CONNECT BATTERY PACKS TO UNSWITCHED HOT OF LOCAL LIGHTING CIRCUIT.
3. COORDINATE WITH ALL ASSOCIATED TRADES FOR THE EXACT LOCATIONS OF LIGHT FIXTURES WITH HVAC EQUIPMENT AND OTHER DEVICES/EQUIPMENT.
4. COORDINATE WITH THE ARCHITECT, OWNER, AND ASSOCIATED TRADES FOR THE EXACT HEIGHT/LOCATION OF EXTERIOR MOUNTED LIGHTING FIXTURES PRIOR TO ROUGH-IN.
5. LABEL SWITCH PLATES AND J-BOXES WITH CIRCUIT PER SPECS.
6. COORDINATE LIGHT SWITCHES WITH THERMOSTATS AND OTHER WALL MOUNT DEVICES.

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

1	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-2-RT OR EQUAL
2	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-5-RT OR EQUAL
3	PROVIDE 90 MINUTE RATED REMOTE EMERGENCY POWER DEVICE. MOUNT DEVICE IN AN ACCESSIBLE LOCATION ABOVE CEILING. 0-10V WIRING FROM THE LIGHT FIXTURE/S TO THE DEVICE IS REQUIRED. IN AREAS OPEN TO STRUCTURE MOUNT FIXTURE HIGH AND TIGHT TO REDUCE VISIBILITY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REMOTE EMERGENCY POWER DEVICE BASIS OF DESIGN: LVS: CEPS-125-G-RT OR EQUAL
4	REFER TO LIGHTING CONTROLS DETAIL ON SHEET 'E502' FOR CIRCUITING AND CONTROLS INFORMATION REGARDING THIS SPACE.

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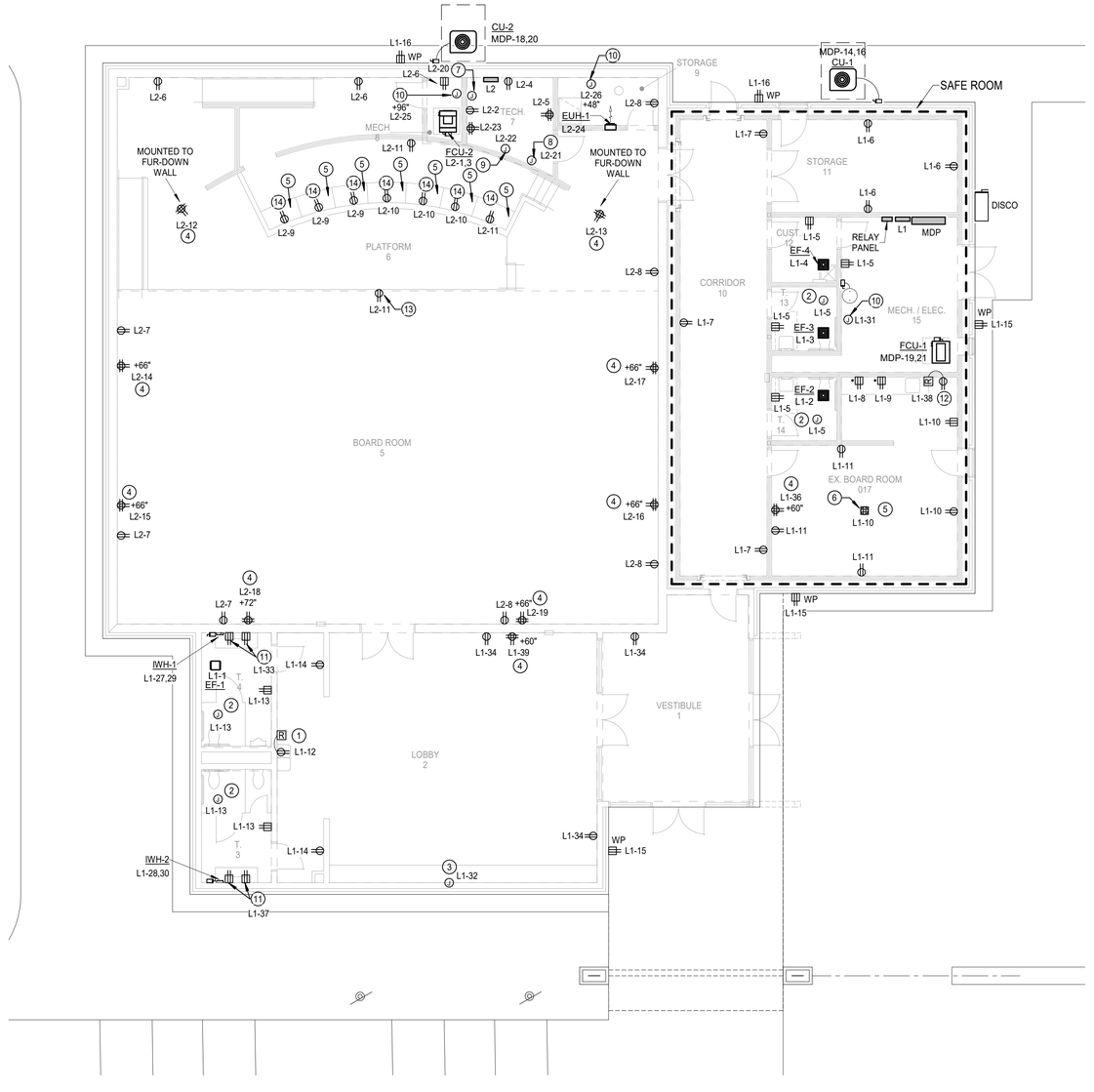
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POWER GENERAL NOTES

1. 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. REFER TO MECHANICAL PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
4. COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR. REFER TO PLUMBING PLANS AND MANUFACTURER FOR ADDITIONAL INFORMATION.
5. COORDINATE THE EXACT REQUIREMENTS OF ALL POWER CONNECTION FIXTURES AND DEVICES WITH THE ARCHITECT, OWNER AND MANUFACTURER PRIOR TO ROUGH-IN.
6. ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.
7. FIRE STOP ALL PENETRATIONS IN FIRE AND SMOKE RATED WALLS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND ADDITIONAL INFORMATION.
8. ALL THE NEW PANELS AND DISCONNECT SWITCHES TO BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL CONDUIT REQUIREMENTS.
10. PROVIDE 120V CONNECTION FOR DAS SYSTEM. COORDINATE WITH TECHNOLOGY CONTRACTOR FOR EXACT REQUIREMENTS AND LOCATION.

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

1	PROVIDE DEDICATED 120V WATER COOLER CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT, OWNER, AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. REFER TO WATER COOLER DETAIL ON DETAILS SHEET FOR MORE INFORMATION.
2	PROVIDE 120V CONNECTION FOR WATER CLOSET TRANSFORMER. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
3	PROVIDE 120V CONNECTION FOR DISPLAY CASE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
4	PROVIDE 120V DEDICATED CONNECTION FOR TV. COORDINATE WITH OWNER AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
5	PROVIDE 3/4" CONDUIT FOR WIRELESS HOLD UP BUTTON & TRANSMITTER. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
6	PROVIDE (2) 1 1/4" CONDUITS FOR FLOOR BOX. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
7	PROVIDE 120V DEDICATED CONNECTION FOR INTRUSION DETECTION SYSTEM CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
8	PROVIDE 120V DEDICATED CONNECTION FOR FIRE ALARM CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
9	PROVIDE 120V DEDICATED CONNECTION FOR ACCESS CONTROL PANEL. REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH TECHNOLOGY CONTRACTOR AND OWNER PRIOR TO BEGINNING WORK.
10	PROVIDE 120V DEDICATED CONNECTION FOR TRAP PRIMER. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
11	PROVIDE (2) 120V RECEPTACLES UNDER LAVATORY DECK. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
12	PROVIDE 120V DEDICATED CONNECTION FOR TRAP PRIMER. COORDINATE WITH PLUMBING CONTRACTOR AND ARCHITECT FOR EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
13	MOUNT RECEPTACLE ON PLATFORM WALL. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.
14	MOUNT RECEPTACLE UNDERNEATH DESK. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO BEGINNING WORK.

N 1 **ELECTRICAL POWER PLAN**
Scale: 1/8" = 1'-0"

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PROFESSIONAL ENGINEER — THOMAS V. OSTRAN — 27650 — 08/19/26 — OKLAHOMA

DWG, JM
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MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

E201

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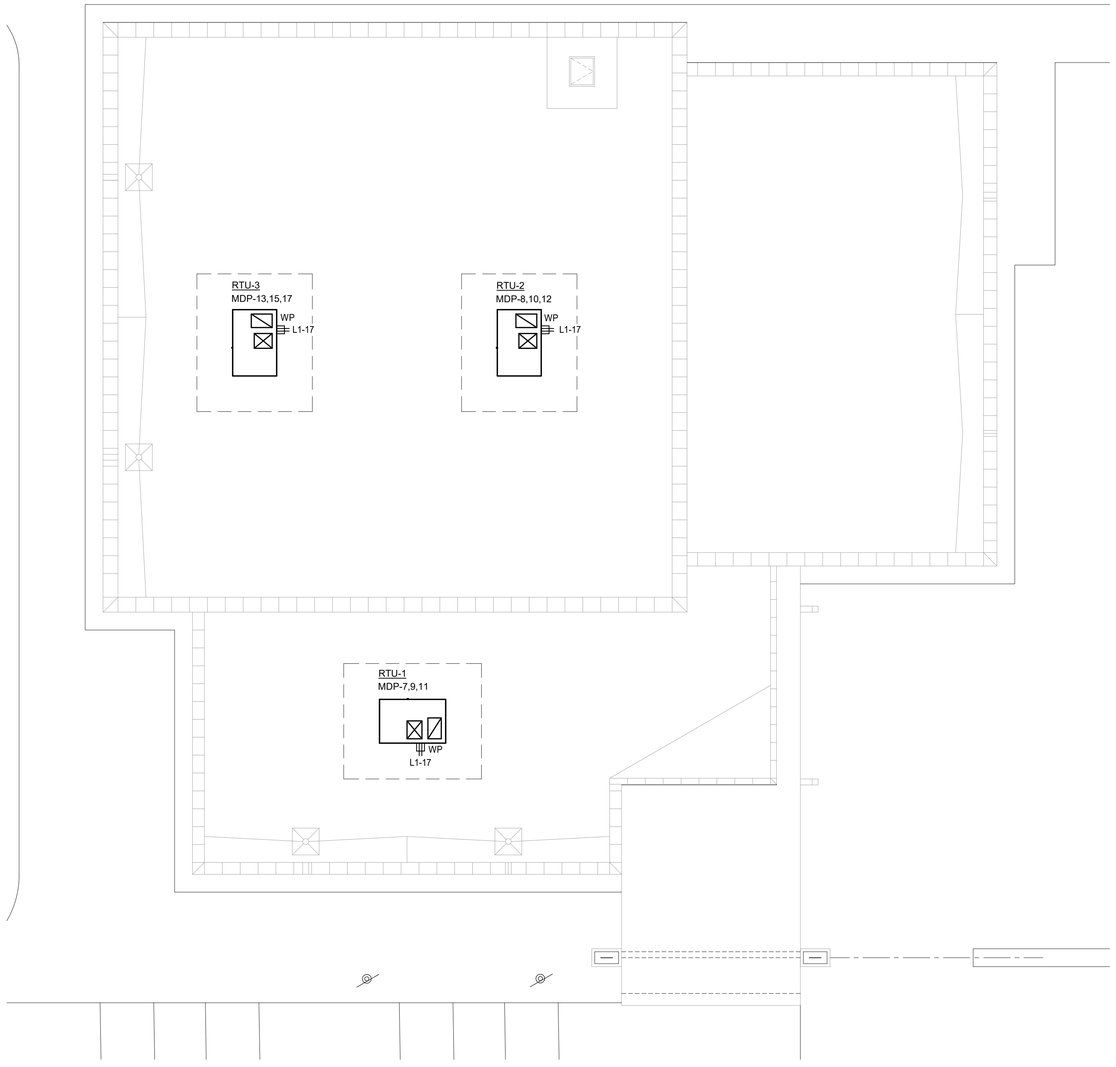
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ROOF POWER GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER DEVICES.
3. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
4. FIRMLY MOUNT WEATHERPROOF 120V CONVENIENCE OUTLET ON UNISTRUT/KINDORF. COORDINATE WITH OTHER TRADES PRIOR TO ROUGH-IN. REDUNDANT RECEPTACLES WHETHER STAND-ALONE OR INTEGRAL TO A UNIT, MAY BE OMITTED SO LONG AS ALL OF THE REQUIREMENTS OF NEC 210.63 ARE SATISFIED.



N 1 **ELECTRICAL ROOF PLAN**
Scale: 1/8" = 1'-0"

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SALAS O'BRIEN
MECHANICAL / ELECTRICAL



DWG, JM
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AUGUST 2026
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MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

E202

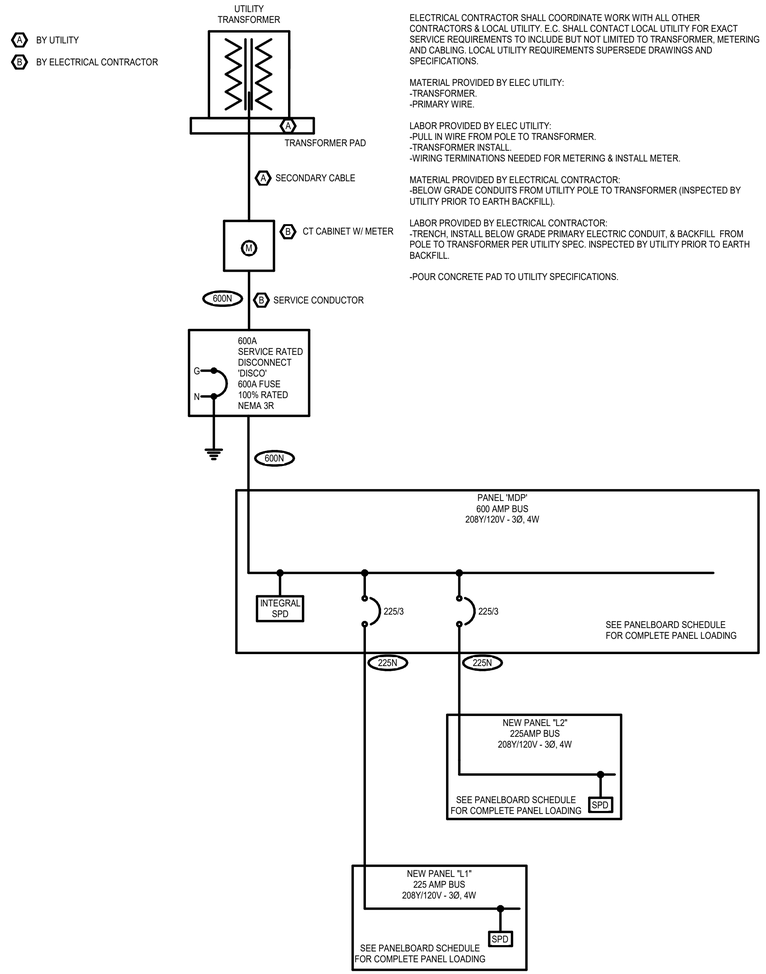
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2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA#: 9820 Expiration Date: 06/30/27

Salas O'Brien Project Number: 2650-00986-00

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ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.C. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS.

MATERIAL PROVIDED BY ELEC UTILITY:
-TRANSFORMER.
-PRIMARY WIRE.

LABOR PROVIDED BY ELEC UTILITY:
-PULL IN WIRE FROM POLE TO TRANSFORMER.
-TRANSFORMER INSTALL.
-WIRING TERMINATIONS NEEDED FOR METERING & INSTALL METER.

MATERIAL PROVIDED BY ELECTRICAL CONTRACTOR:
-BELOW GRADE CONDUITS FROM UTILITY POLE TO TRANSFORMER (INSPECTED BY UTILITY PRIOR TO EARTH BACKFILL).

LABOR PROVIDED BY ELECTRICAL CONTRACTOR:
-TRENCH, INSTALL BELOW GRADE PRIMARY ELECTRIC CONDUIT, & BACKFILL FROM POLE TO TRANSFORMER PER UTILITY SPEC. INSPECTED BY UTILITY PRIOR TO EARTH BACKFILL.

-POUR CONCRETE PAD TO UTILITY SPECIFICATIONS.

1 ELECTRICAL ONE-LINE DIAGRAM

Scale: N.T.S.

FEEDER SCHEDULE

AMPS	CONDUIT SIZE 4W	CONDUIT SIZE 3W	PHASE CONDUCTORS	EQUIPMENT GROUND CONDUCTOR
20	3/4"	3/4"	#12	#12
25	3/4"	3/4"	#10	#10
30	3/4"	3/4"	#10	#10
35	1"	3/4"	#8	#10
40	1"	3/4"	#8	#10
45	1"	1"	#6	#10
50	1"	1"	#6	#10
60	1 1/4"	1 1/4"	#4	#10
70	1 1/4"	1 1/4"	#4	#8
80	1 1/4"	1 1/4"	#3	#8
90	1 1/2"	1 1/4"	#2	#8
100	1 1/2"	1 1/4"	#2	#8
110	2"	1 1/2"	#1	#6
125	2"	1 1/2"	#1	#6
150	2"	1 1/2"	#1/0	#6
175	2"	2"	#2/0	#6
200	2"	2"	#3/0	#6
225	2 1/2"	2"	#4/0	#4
250	3"	2 1/2"	250 kcmil	#4
300	3"	3"	350 kcmil	#4
350	3 1/2"	3"	500 kcmil	#3
400	(2) 2"	(2) 2"	2 SETS OF #3/0	#3
450	(2) 2 1/2"	(2) 2"	2 SETS OF #4/0	#2
500	(2) 2 1/2"	(2) 2 1/2"	2 SETS OF 250 kcmil	#2
600	(2) 3"	(2) 3"	2 SETS OF 350 kcmil	#1
700	(2) 3 1/2"	(2) 3"	2 SETS OF 500 kcmil	#1/0
800	(3) 3"	(3) 2 1/2"	3 SETS OF 300 kcmil	#1/0
900	(3) 3 1/2"	(3) 3"	3 SETS OF 400 kcmil	#2/0
1000	(3) 3 1/2"	(3) 3"	3 SETS OF 500 kcmil	#2/0
1200	(4) 3"	(4) 3"	4 SETS OF 350 kcmil	#3/0
1600	(5) 3 1/2"	(5) 3"	5 SETS OF 500 kcmil	#4/0
1800	(6) 3 1/2"	(6) 3"	6 SETS OF 400 kcmil	250 kcmil
2000	(6) 3 1/2"	(6) 3"	6 SETS OF 500 kcmil	250 kcmil
2500	(7) 3 1/2"	(7) 3"	7 SETS OF 500 kcmil	350 kcmil

NOTES:
1. FEEDER SIZES ARE ON THE PLAN WHERE 60 REFERS TO A 60A FEEDER WITHOUT NEUTRAL AND 60N REFERS TO A 60A FEEDER WITH NEUTRAL.
2. SOME FEEDER SIZES DO NOT MATCH BREAKER SIZE DUE TO UP-SIZING OF THE FEEDER FOR VOLTAGE DROP.
3. CONDUITS ARE SIZED PER NEC TABLES FOR THHN/THWN AND MAY BE UPSIZED FOR EASE OF PULLING OR DOWNSIZED AS ALLOWED PER NEC FOR CONDUIT TYPE(S) BEING INSTALLED.
4. ALL CONDUCTORS 100A AND LESS ARE SIZED PER 60 DEGREE LUGS. EC MAY SIZE CONDUCTORS FOR ACTUAL RATING OF LUGS PER NEC.

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS WITH UTILITY TO PROVIDE ALL PARTS, TRENCHING, AND PAY ALL FEES NECESSARY TO BRING SERVICE TO NEW BUILDING.

2. AIC RATINGS ARE ESTIMATED BASED ON AVAILABLE DATA DURING DESIGN. CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT WITH UTILITY.

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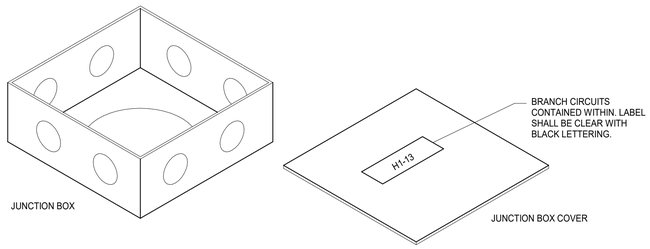
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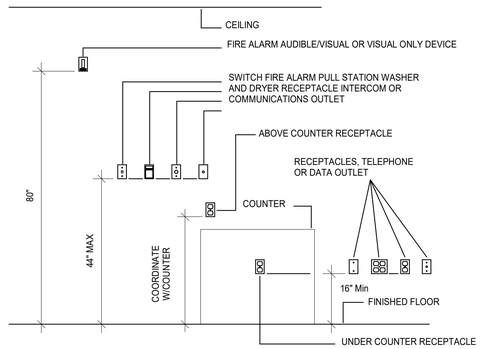
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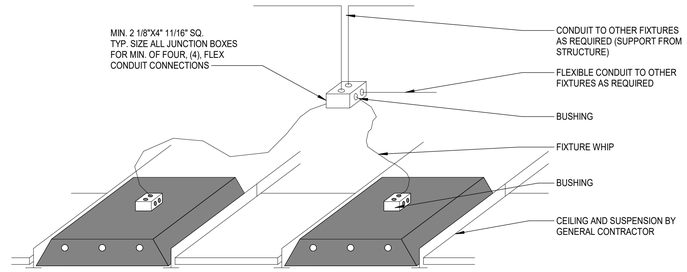
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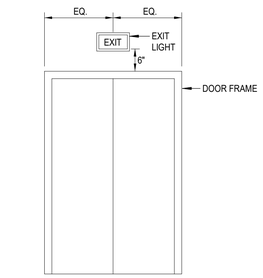
3 TYP. JUNCTION BOX DETAIL
Scale: N.T.S.



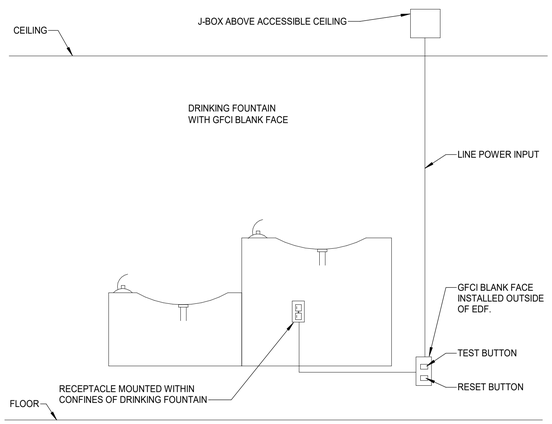
2 TYP. OUTLET MOUNTING DETAIL
Scale: N.T.S.



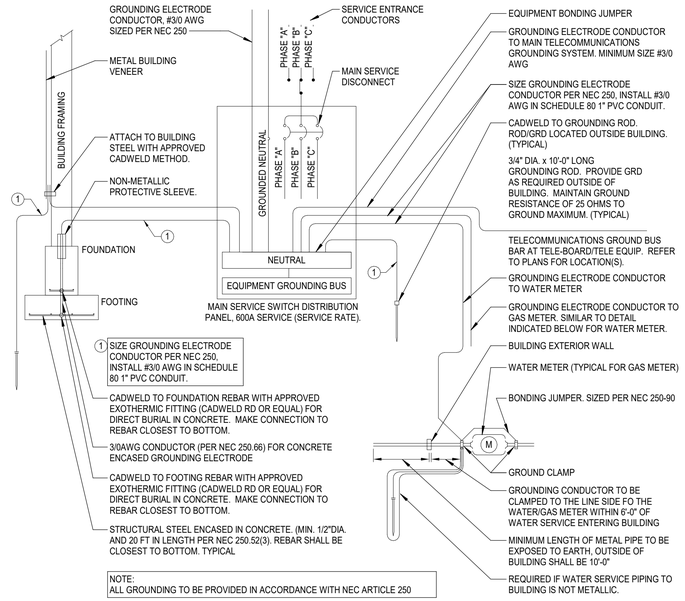
1 TYP. TROFFER POWER DETAIL
Scale: N.T.S.



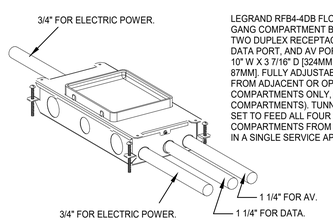
6 TYP. EXIT SIGN LOCATION DETAIL
Scale: N.T.S.



5 TYP. ELECTRICAL WATER COOLER DETAIL
Scale: N.T.S.

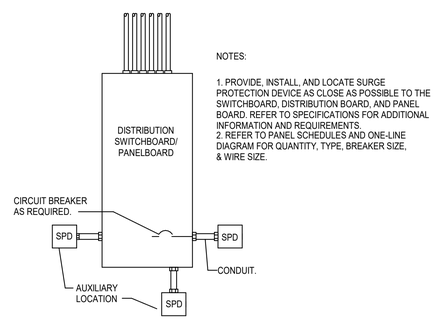


4 TYP. 3 PHASE - MAIN GROUNDING IN BUILDING DETAIL
Scale: N.T.S.



LEGRAND RFB4-4DB FLOOR BOX FOUR-GANG COMPARTMENT BOX – INCLUDES TWO DUPLEX RECEPTACLE BRACKETS, DATA PORT, AND AV PORT. 12 3/4" L X 10" W X 3 7/16" D [324MM X 254MM X 87MM]. FULLY ADJUSTABLE. TUNNELING FROM ADJACENT OR OPPOSITE COMPARTMENTS ONLY, (NOT CROSS COMPARTMENTS). TUNNELING CAN BE SET TO FEED ALL FOUR COMPARTMENTS FROM ONE CONDUIT IN A SINGLE SERVICE APPLICATION.

8 TYP. ELECTRICAL QUAD FLOOR BOX - 4 CONDUIT DETAIL (2 PWR, 1 DATA, 1AV)
Scale: N.T.S.



NOTES:

1. PROVIDE, INSTALL, AND LOCATE SURGE PROTECTION DEVICE AS CLOSE AS POSSIBLE TO THE SWITCHBOARD, DISTRIBUTION BOARD, AND PANEL BOARD. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM FOR QUANTITY, TYPE, BREAKER SIZE, & WIRE SIZE.

7 SURGE PROTECTION DEVICE DETAIL
Scale: N.T.S.

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MPS ASC
BOARDROOM
BUILDING

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E501

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GENERAL NOTES

1. PROVIDE RELAY PANELS WITH INTEGRAL ASTRONOMICAL TIMECLOCK AND PHOTO CELL INPUT.
2. CONSULT WITH OWNER FOR PROGRAMMING. SUGGESTED PROGRAMMING IS 'LIGHTS ON' IF:
   -PHOTO CELL SENSES DARK SKY
   OR
   -TIME CLOCK 9P-7A (NIGHT HOURS).
3. LOCATE PHOTO CELL WITH CLEAR VIEW OF NORTHERN SKY AND SHIELD FROM ARTIFICIAL LIGHT SOURCES.
4. CONTROL STATION LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY AND SHOULD BE COORDINATED WITH THE OWNER PRIOR TO ROUGH-IN.
5. PROVIDE THAT ALL STANDARD AND RELAY LIGHTING CONTROLS LOCATED IN PUBLIC AREAS WITH AN OWNER APPROVED LOCKABLE COVER.
6. CONTROLS BASIS OF DESIGN - 'NLIGHT'. ALL APPROVED SUBSTITUTE CONTROL SYSTEMS SHALL MATCH OR EXCEED ALL CAPABILITIES OF THE SPECIFIED CONTROL SYSTEM.
7. PROVIDE (2) ELECTRONIC TIMERS WITH INTERGRAL ASTRONOMICAL TIMECLOCK AND PHOTOCELL INPUT. LOCATE PHOTOCELL WITH CLEAR VIEW OF NOTHERN SKY AND SHIELD FROM ARTIFICIAL LIGHT SOURCES. ONE TIMER SHALL CONTROL EXTERIOR WALL PACKS AND THE OTHER SHALL CONTROL THE PARKING LOT.

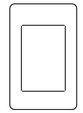
ZONE SCHEDULE

ZONE #	AREAS CONTROLLED
a	BOARD ROOM 5 LIGHTING
b	BOARD ROOM 5 LIGHTING
c	BOARD ROOM 5 LIGHTING
d	BOARD ROOM 5 LIGHTING
e	PLATFORM 6 LIGHTING
f	PLATFORM 6 LIGHTING
g	PLATFORM 6 LIGHTING
h	PLATFORM 6 LIGHTING
j	EX. BOARD ROOM 17 LIGHTING
k	EX. BOARD ROOM 17 LIGHTING
m	EXTERIOR LIGHTING

LIGHTING CONTROL RELAY PANEL #1

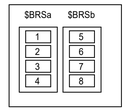
RELAY #	CIRCUIT #	CONTROL SWITCHES	ZONE CONTROLLED
CR 1	L1-18	$BRTS, $BRSa, $BRSb	a
CR 2	L1-19	$BRTS, $BRSa, $BRSb	b
CR 3	L1-20	$BRTS, $BRSa, $BRSb	c
CR 4	L1-20	$BRTS, $BRSa, $BRSb	d
CR 5	L1-21	$BRTS, $BRSa, $BRSb	e
CR 6	L1-21	$BRTS, $BRSa, $BRSb	f
CR 7	L1-21	$BRTS, $BRSa, $BRSb	g
CR 8	L1-22	$BRTS, $BRSa, $BRSb	h
CR 9	L1-23	$CRD	j
CR 10	L1-23	$CRD	k
CR 11	L1-26	TIMECLOCK/PHOTOCELL	m
CR 12			
CR 13			
CR 14			
CR 15			
CR 16			

BOARDROOM CONTROL STATION - BRTS



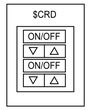
nLIGHT nTS
TOUCHSCREEN
WALL STATION
NTS 7IN XX

CONTROL STATION - BRSa, BRSb



nPODMA Series
WallPods
nPODMA 4S

CONTROL STATION - CRD



nPODMA Series
WallPods
nPODMA 2P DX

1 LIGHTING CONTROLS DETAIL

Scale: N.T.S.

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Branch Panel: L1

Location: MECH. / ELEC. 15 | **Supply From:** MDP | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 225A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1	EF-1	#12	20	1	0.2 / 0.2			1	20	#12	EF-2	2	
	3	EF-3	#12	20	1		0.2 / 0.2		1	20	#12	EF-4	4	
	5	RECEPT & WC JBOX - RMS 12-15	#12	20	1			0.8 / 0.5	1	20	#12	RECEPT - RM 11	6	
	7	RECEPT - RM 10	#12	20	1	0.5 / 0.2			1	20	#12	RECEPT - RM 17	8	
	9	RECEPT - RM 17	#12	20	1		0.2 / 0.7		1	20	#12	RECEPT - RM 17	10	
	11	RECEPT - RM 17	#12	20	1			0.5 / 0.5	1	20	#12	RECEPT - DRINKING FOUNTAIN	12	
	13	RECEPT & WC JBOX - RM 2-3	#12	20	1	0.5 / 0.4			1	20	#12	RECEPT - RM 1-2	14	
	15	RECEPT - EXTERIOR	#12	20	1		0.5 / 0.4		1	20	#12	RECEPT - EXTERIOR	16	
	17	RECEPT - RTU 1-3	#12	20	1			0.5 / 0.8	1	20	#12	LIGHTING - RM 5 ZONE a	18	
	19	LIGHTING - RM 5 ZONE b	#12	20	1	0.8 / 0.2			1	20	#12	LIGHTING - RM 5 ZONES c,d	20	
	21	LIGHTING - RM 6 ZONES e,f,g	#12	20	1		0.5 / 0.2		1	20	#12	LIGHTING - RM 6 ZONE h	22	
	23	LIGHTING - RM 17 ZONES j,k	#12	20	1			0.2 / 0.9	1	20	#12	LIGHTING - RMS 2-4 & VESTIBULE	24	
	25	LIGHTING - RMS 7-15	#12	20	1	0.8 / 0.4			1	20	#10	LIGHTING - EXTERIOR	26	
	27	IWH-1	#6	50	2		4.2 / 4.2		2	50	#6	IWH-2	28	
	29							4.2 / 4.2					30	
	31	TRAP PRIMER MECH. / ELEC. 15	#12	20	1	0.0 / 0.5			1	20	#12	DISPLAY CASE - RM 2	32	
	33	RECEPTS - RM T 4	#12	20	1		0.4 / 0.5		1	20	#12	RECEPT - RM VESTIBULE & LOBBY	34	
	35	RELAY PANEL	#12	20	1			0.1 / 0.4	1	20	#12	TV RECEPT EX. BOARD ROOM 017	36	
	37	RECEPTS - RM T. 3	#12	20	1	0.4 / 1.0			1	20	#12	REFRIGERATOR EX. BOARD ROOM 017	38	
	39	TV RECEPT LOBBY 2	#12	20	1		0.4 / 0.0		1	20	#12	SIGN LIGHTING	40	
--	41	DAS SYSTEM	--	20	1			0.5 / 0.0					42	
	43												44	
	45												46	
	47												48	
	49					0.0 / 0.0							50	
--	51	SPD	--	30	3		0.0 / 0.0						52	
	53							0.0 / 0.0					54	
		Total Load:				6.1 kVA	12.5 kVA	14.1 kVA						
		Total Amps:				51 A	113 A	125 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	17.4 kVA	100.00%	17.4 kVA		
Lighting	4.9 kVA	125.00%	6.1 kVA	**Total Conn. Load:**	32.7 kVA
Miscellaneous	0.7 kVA	100.00%	0.7 kVA	**Total Est. Demand:**	33.9 kVA
Receptacles	9.1 kVA	100.00%	9.1 kVA	**Total Conn. Current:**	91 A
Spare	0.6 kVA	100.00%	0.6 kVA	**Total Est. Demand Current:**	94 A

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
M - PROVIDE METERING DEVICE

Branch Panel: MDP

Location: MECH. / ELEC. 15 | **Supply From:** UTILITY | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 600A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1					6.1 / 3.4							2	
	3	L1	#4/0	225	3		12.5 / 3.4		3	225	#4/0	L2	4	
	5							14.1 / 4.4					6	
	7					4.7 / 7.2							8	
	9	RTU-1	#6	50	3		4.7 / 7.2		3	70	#4	RTU-2	10	
	11							4.7 / 7.2					12	
	13					7.2 / 2.5							14	
	15	RTU-3	#4	70	3		7.2 / 2.5		2	45	#6	CU-1	16	
	17							7.2 / 1.2	2	20	#12	CU-2	18	
	19	FCU-1	#2	90	2	8.3 / 1.2							20	
	21						8.3 / 0.0						22	
	23												24	
	25												26	
	27												28	
	29												30	
	31												32	
	33												34	
	35												36	
	37					0.0 / 0.0							38	
--	39	SPD	--	60	3		0.0 / 0.0						40	
	41							0.0 / 0.0					42	
		Total Load:				40.7 kVA	45.8 kVA	38.8 kVA						
		Total Amps:				342 A	384 A	323 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Cooling	5.1 kVA	100.00%	5.1 kVA		
HVAC	94.6 kVA	100.00%	94.6 kVA	**Total Conn. Load:**	125.3 kVA
Heating	1.5 kVA	100.00%	1.5 kVA	**Total Est. Demand:**	123.3 kVA
Lighting	4.9 kVA	125.00%	6.1 kVA	**Total Conn. Current:**	348 A
Miscellaneous	2.2 kVA	100.00%	2.2 kVA	**Total Est. Demand Current:**	342 A
Receptacles	16.4 kVA	80.41%	13.2 kVA		
Spare	0.6 kVA	100.00%	0.6 kVA		

Notes:

Abbreviations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE
M - PROVIDE METERING DEVICE

Branch Panel: L2

Location: TECH. 7 | **Supply From:** MDP | **Mounting:** Surface | **Volts:** 120/208 Wye | **Phases:** 3 | **Wires:** 4 | **A.I.C. Rating:** 65,000 | **Enclosure:** Type 1 | **Mains:** 225A MLO

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C	Breaker		Wire	Circuit Description	CKT	Note
	1	FCU-2	#12	15	2	0.4 / 0.2			1	20	#12	RECEPT - RM 7	2	
	3						0.4 / 0.2		1	20	#12	RECEPT - RM 7	4	
	5	QUAD RECEPT - RM 7	#12	20	1			0.4 / 0.5	1	20	#12	RECEPT - RM 6,8	6	
	7	RECEPT - RM 5	#12	20	1	0.5 / 0.7			1	20	#12	RECEPT - RM 5,6,9	8	
	9	RECEPT - PLATFORM 6	#12	20	1		0.5 / 0.5		1	20	#12	RECEPT - PLATFORM 6	10	
	11	RECEPT - PLATFORM 6	#12	20	1			0.5 / 0.4	1	20	#12	QUAD RECEPT - PLATFORM 6	12	
	13	QUAD RECEPT - PLATFORM 6	#12	20	1	0.4 / 0.4			1	20	#12	QUAD RECEPT - BOARD ROOM 5	14	
	15	QUAD RECEPT - BOARD ROOM 5	#12	20	1		0.4 / 0.4		1	20	#12	QUAD RECEPT - BOARD ROOM 5	16	
	17	QUAD RECEPT - BOARD ROOM 5	#12	20	1			0.4 / 0.4	1	20	#12	QUAD RECEPT - BOARD ROOM 5	18	
	19	QUAD RECEPT - BOARD ROOM 5	#12	20	1	0.4 / 0.5			1	20	#12	IDP TECH. 7	20	
	21	FACP TECH. 7	#12	20	1		0.5 / 0.5		1	20	#12	ACP TECH. 7	22	
	23	QUAD RECEPT TECH. 7	#12	20	1			0.4 / 1.5	1	20	#12	EUH-1 STORAGE 9	24	
	25	TRAP PRIMER MECH 8	#12	20	1	0.0 / 0.0			1	20	#12	TRAP PRIMER STORAGE 9	26	
	27												28	
	29												30	
	31												32	
	33												34	
	35												36	
	37												38	
	39												40	
	41												42	
	43												44	
	45												46	
	47												48	
	49					0.0 / 0.0							50	
--	51	SPD	--	30	3		0.0 / 0.0						52	
	53							0.0 / 0.0					54	
		Total Load:				3.4 kVA	3.4 kVA	4.4 kVA						
		Total Amps:				29 A	28 A	37 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0.7 kVA	100.00%	0.7 kVA		
Heating	1.5 kVA	100.00%	1.5 kVA	**Total Conn. Load:**	11.1 kVA
Miscellaneous	1.5 kVA	100.00%	1.5 kVA	**Total Est. Demand:**	11.1 kVA
Receptacles	7.4 kVA	100.00%	7.4 kVA	**Total Conn. Current:**	31 A
				Total Est. Demand Current:	31 A

Notes:

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FLAT LAND
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STRUCTURAL

SALAS O'BRIEN
MECHANICAL / ELECTRICAL



DWG, JM
drawn by

TVO
checked by

AUGUST 2026
date

REVISIONS

Δ	DESCRIPTION	DATE

MOORE PUBLIC SCHOOLS

MPS ASC
BOARDROOM
BUILDING

sheet no:

E601

Salas O'Brien
Salas O'Brien Inc. - Oklahoma City
2900 S. Telephone Road, Suite 120
Moore, OK 73160
CA#: 9820 Expiration Date: 06/30/27
Salas O'Brien Project Number: 2650-00986-00

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LIGHTING FIXTURE SCHEDULE

Type Mark	CATALOG NUMBER		MOUNTING	LAMP TYPE	CCT	CRI	VOLTAGE	LOAD	REMARKS
	MANUFACTURER	MODEL							
A	LITHONIA	CPX3 2X4 ALO8HE 80CRI SWW7 SWL UVOLT	RECESSED	5257L LED	5000 K	80	120	40 W	2'X4' LED FLAT PANEL
AX	LITHONIA	CPX3 2X4 ALO8HE 80CRI SWW7 SWL MVOLT IE10WCP - IOTA BATTERY BACKUP PART # ILB2H CP20 HE SD HV S	RECESSED	5257L LED	5000 K	80	120	40 W	2'X4' LED FLAT PANEL, 120 MINUTE BATTERY BACK-UP
B	LITHONIA	CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT	RECESSED	4982L LED	5000 K	80	120	35 W	2'X4' LED FLAT PANEL
BE	LITHONIA	CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT E10W	RECESSED	4982L LED	5000 K	80	120	35 W	2'X4' LED FLAT PANEL, 90 MINUTE BATTERY BACK-UP
BX	LITHONIA	CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT E10W - IOTA BATTERY BACKUP PART # ILB2H CP20 HE SD HV S	RECESSED	4982L LED	5000 K	80	120	35 W	2'X4' LED FLAT PANEL, 120 MINUTE BATTERY BACK-UP
CE	LITHONIA	CPX 1X4 ALO7 80CRI SWW7 SWL MVOLT E10W DGA14	RECESSED	3348L LED	5000 K	80	120	25 W	1'X4' LED FLAT PANEL, 90 MINUTE BATTERY BACK-UP
D1	LITHONIA	LBR6 NCH ALO2 SWW1 AR LSS WD MVOLT UGZ	RECESSED	1408L LED	5000 K	80	120	13 W	6" LED DOWNLIGHT
D1E	LITHONIA	LBR6 NCH ALO2 SWW1 AR LSS WD MVOLT UGZ E10WCPR	RECESSED	1408L LED	5000 K	80	120	13 W	6" LED DOWNLIGHT, 90 MINUTE BATTERY BACK-UP
D2	LITHONIA	LBR6 NCH ALO2 SWW1 AR LSS WD MVOLT UGZ	RECESSED	1408L LED	5000 K	80	120	13 W	6" LED DOWNLIGHT
D2X	LITHONIA	LBR6 NCH ALO2 SWW1 AR LSS WD MVOLT UGZ - IOTA BATTERY BACKUP PART # ILB2H CP20 HE SD HV	RECESSED	1408L LED	5000 K	80	120	13 W	6" LED DOWNLIGHT, 120 MINUTE BATTERY BACK-UP
EX	LITHONIA	EDG 1 R EL SD	SURFACE	LED	NA	80	120	11 W	LED EXIT SIGN WITH ALUMINUM HOUSING, RED LETTERING AND EMERGENCY BATTERY BACK-UP.
F	LITHONIA	LBR4 NCH ALO1 SWW1 AR LSS MWD MVOLT UGZ	RECESSED	946L LED	5000 K	80	120	9 W	4" LED DOWNLIGHT
G	GOTHAM	EVO6 50/30 AR LS MD MVOLT GZ1	RECESSED	3221L LED	5000 K	80	120	30 W	6" LED DOWNLIGHT
H	GOTHAM	IVO6 50/30 90CRI WD MIN1 MVOLT ZT NCH P AR LS F	RECESSED	3296L LED	5000 K	80	120	27 W	6" LED DOWNLIGHT
J	A-LIGHT	ACL3ST M96" LS 50 U HE S120" W D	PENDANT	4240L LED	4000 K	80	120	47 W	8' LED PENDANT
K	A-LIGHT	ACL5 PR384" C350 40 U HE X W D (8'X8"SQUARE)	RECESSED	11,200L LED	4000 K	80	120	116 W	RECESSED 8'X8' LED SQUARE
L	A-LIGHT	ACL5 PR432" LS 40 U HE X W D (8'X10' RECTANGLE)	RECESSED	19,080L LED	4000 K	80	120	198 W	RECESSED 8'X10' LED RECTANGLE
M	A-LIGHT	ACL5 M72" C500 40 U HE XP W D	RECESSED	3000L LED	4000 K	80	120	33 W	6' RECESSED LED
N	GOTHAM	IVO4ADJ 20LM 50K 90CRI 50D MIN1 MVOLT ZT NCH AC AR LS F	RECESSED	1646L LED	5000 K	80	120	23 W	4" LED DOWNLIGHT
P	A-LIGHT	LIN SP 96" LS 50 U HE M.S B D	MULLION	4368L LED	5000 K	80	120	38 W	8' MULLION MOUNT LED, 90 MINUTE BATTERY BACK-UP
Q	HYDREL	4750L 4FT 500LMF 50K MVOLT WFL KM90 EA12 CSL10' ELV CR XX	WALL	2536L LED	5000 K	80	120	21 W	4' LINEAR SIGN LIGHTER.
S	LITHONIA	CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI	SURFACE / PENDANT	5585L LED	5000 K	80	120	40 W	4' LED STRIP FIXTURE
SE	LITHONIA	CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI	SURFACE / PENDANT	5585L LED	5000 K	80	120	40 W	4' LED STRIP FIXTURE, 90 MINUTE BATTERY BACK-UP
SX	LITHONIA	CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI - IOTA BATTERY BACKUP PART # ILB2H CP20 HE SD HV S	SURFACE / PENDANT	5585L LED	5000 K	80	120	40 W	4' LED STRIP FIXTURE, 120 MINUTE BATTERY BACK-UP
V	ASL LIGHTING	VNAL 31 DVD 5000K BN	SURFACE	2300L LED	5000 K	80	120	25 W	31" LED VANITY FIXTURE
WS1	GOTHAM	ICO4UDWC 50/15 AR LSS 40D SHLD SDDBL	WALL	1500L UP/DOWN LED	5000 K	80	120	31 W	4" ROUND LED WALL SCONCE, DOWN LIGHTING ONLY
WS2	GOTHAM	ICO4UDWC 50/15 AR LSS 40D SHLD SDDBL U10LM U40D USHLD USDDB MVOLT GZ10 JBX DDB	WALL	1500L UP/DOWN LED	5000 K	80	120	31 W	4" ROUND LED WALL SCONCE, UP/DOWN LIGHTING

GENERAL NOTES:

EQUIVALENT ALTERNATE LIGHT FIXTURES MAY BE PROVIDED FOR BIDDING PURPOSES. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ENSURING ALTERNATE LIGHT FIXTURES USED FOR BIDDING ARE EQUAL; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALTERNATE FIXTURES ARE EQUIVALENT TO THOSE SPECIFIED PRIOR TO BID. THE WINNING BID PACKAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH THE SPECIFICATIONS.

MECHANICAL EQUIPMENT COORDINATION SCHEDULE

Equip. Tag	Description	Voltage	Phase	Apparent Load	MCA	MOCP	Disconnect Type	Disco. Furnished By	Disco. Installed By
CU-1	CONDENSING UNIT	208	1	5.05 kVA	27.00	45	NON-FUSED	MC	EC
CU-2	CONDENSING UNIT	208	1	2.43 kVA	13.00	20	NON-FUSED	MC	EC
EF-1	EXHAUST FAN	120	1	0.20 kVA	1.00	20	TOGGLE SWITCH	EC	EC
EF-2	EXHAUST FAN	120	1	0.20 kVA	1.00	20	TOGGLE SWITCH	EC	EC
EF-3	EXHAUST FAN	120	1	0.20 kVA	1.00	20	TOGGLE SWITCH	EC	EC
EF-4	EXHAUST FAN	120	1	0.20 kVA	1.00	20	TOGGLE SWITCH	EC	EC
EUH-1	ELECTRIC UNIT HEATER	120	1	1.50 kVA	15.00	20	HARDWIRED	EC	EC
FCU-1	FAN COIL UNIT	208	1	16.68 kVA	80.00	90	NON-FUSED	MC	EC
FCU-2	FAN COIL UNIT	208	1	0.75 kVA	4.00	15	NON-FUSED	MC	EC
RTU-1	ROOF TOP UNIT	208	3	14.05 kVA	39.00	50	NON-FUSED	MFR	MFR
RTU-2	ROOF TOP UNIT	208	3	21.62 kVA	60.00	70	NON-FUSED	MFR	MFR
RTU-3	ROOF TOP UNIT	208	3	21.62 kVA	60.00	70	NON-FUSED	MFR	MFR

PLUMBING EQUIPMENT COORDINATION SCHEDULE

Mark	Description	Voltage	Phase	MCA	MOCP	Disconnect Type	Disco. Furnished By	Disco. Installed By
IWH-1	INSTANTANEOUS WATER HEATER	208	1	40	50	NON-FUSED	EC	EC
IWH-2	INSTANTANEOUS WATER HEATER	208	1	40	50	NON-FUSED	EC	EC
EWH-1	ELECTRIC WATER HEATER	208	1	30	35	NON-FUSED	EC	EC

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