ELECTRICAL SYMBOL LEGEND

(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

GENERAL

Symbol	Description
1	KEYNOTE
A-1,3	CIRCUIT TAG; PANEL AND CIRCUIT DESIGNATION AS INDICATED; E.G. PANEL "A", CIRCUIT #1,3

WIRE, CONDUIT, AND RACEWAY

Symbol	Description
	ABOVE-SLAB CONDUIT & WIRE/CABLING
	BELOW-SLAB CONDUIT & WIRE/CABLING; 3/4" MINIMUM CONDUIT SIZE UON
	HOMERUN TO PANEL; TICK MARKS INDICATED NUMBER OF WIRES

DISTRIBUTION

Symbol	Description
	PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT AS NOTED; INSTALL WITH SUFFICIENT WORKING SPACE AND CLEARANCES TO MEET ALL REQUIREMENTS OF NEC SECTION 110.26.
GEN-ANNC	GENERATOR REMOTE ANNUNCIATOR PANEL; PROVIDE CONDUIT/CABLING TO GENERATOR AS REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.

EQUIPMENT CONNECTIONS

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

Symbol	Description
	FUSED SAFETY DISCONNECT SWITCH; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED WITH 36" MINIMUM CLEAR WORKING SPACE IN FRONT OF THE SWITCH; DO NOT MOUNT DIRECTLY TO EQUIPMENT
J	JUNCTION BOX
M	JUNCTION BOX FOR MOTORIZED DAMPER
S M	MOTOR RATED SWITCH WITH THERMAL OVERLOAD; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED; DO NOT MOUNT DIRECTLY TO EQUIPMENT; WHEN LOCATED ABOVE CEILING, MOUNT TO STRUCTURAL MEMBER NEARBY.
	ELECTRICAL MOTOR, HORSEPOWER AS NOTED

POWER DEVICES

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

Symbol	Description
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED): CR - CORD REEL
	ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	GFCI DUPLEX RECEPTACLE
	ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	QUADRAPLEX RECEPTACLE
	ABOVE-COUNTER QUADRAPLEX RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPLASH OR 44" (WHICHEVER IS LOWER)
	SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED
	VOICE/DATA/POWER FLUSH FLOOR BOX
	DUPLEX RECEPTACLE FLUSH FLOOR BOX
	QUADRAPLEX RECEPTACLE FLUSH FLOOR BOX
	RECEPTACLE SWITCHING; EDGE SHADING INDICATES: NONE - DEVICE NOT SWITCHED LEFT - BOTTOM (DUPLEX) OR LEFT TWO (QUAD) SWITCHED RIGHT - TOP (DUPLEX) OR RIGHT TWO (QUAD) SWITCHED

PUBLIC ADDRESS

(PROVIDE 3/4"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
PA	PA SYSTEM SPEAKER
V	PA SYSTEM SPEAKER VOLUME CONTROL
I	PA SYSTEM SPEAKER MOUNT CALL-IN SWITCH

TELECOMMUNICATIONS

(JACKET COLORS TO BE PER THE OWNER'S STANDARDS IF APPLICABLE)

Symbol	Description
	TELECOM TERMINAL BOARD; 0'-1" THICK AC INDOOR GRADE, FIRE RETARDANT PLYWOOD, PAINTED AS SPECIFIED BY THE ARCHITECT OR OWNER
	DUPLEX DATA OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, TWO (2) BLUE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED ABOVE COUNTER
	DATA/VOICE OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE AND ONE (1) WHITE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	VOICE OUTLET; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) WHITE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
	DUPLEX DATA FLUSH FLOOR BOX; PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD
WAP	WIRELESS ACCESS POINT (BY OWNER); PROVIDE 1"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE ACCESS POINT LOCATION TO THE TELECOM TERMINAL BOARD
TV	LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL TV WALL BOX WITH ONE DUPLEX RECEPTACLE, ONE DUPLEX DATA OUTLET, ONE COAX OUTLET, AND ONE SPARE GANG; PROVIDE 1"C, TWO (2) BLUE CAT 6 CABLES AND 1"C, ONE (1) CATV CABLE FROM THE BOX TO THE TELECOM TERMINAL BOARD; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.
TV	LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL COMBO RECESSED FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, FOUR (4) DATA OUTLETS (UNDER A SINGLE PLATE), AND SPEAKER CONNECTIONS; PROVIDE 1-1/4"C TO AN ACCESSIBLE LOCATION ABOVE CEILING, FOUR (4) BLUE CAT 6 CABLES FROM THE BOX TO THE TELECOM TERMINAL BOARD. ROUTE 1"EC WITH PULLSTRING FROM THE BOX TO THE TV WALL BOX IN THE SAME ROOM FOR SPEAKER CABLING. PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.

LIGHTING

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND PER THE MANUFACTURER'S SPECIFICATIONS FOR CONTROLS)

Symbol	Description
Aa	LIGHT FIXTURE; UPPERCASE LETTER(S) INDICATE FIXTURE TYPE; LOWERCASE LETTER(S) INDICATE ASSOCIATED CONTROLS ID; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES
X	EXIT LIGHT FIXTURE. ARROWS (IF USED) INDICATE DIRECTION. FILLED IN QUADRANT(S) INDICATE NUMBER AND ORIENTATION OF ILLUMINATED FACES. LETTER(S) INDICATE FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION.
OS	CEILING MOUNTED OCCUPANCY SENSOR WITH 360° COVERAGE. LOCATE AND INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED BY THE OWNER
DH	CEILING MOUNTED DAYLIGHT HARVESTING SENSOR, LOCATED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED PER CODE
VS	CEILING MOUNTED OCCUPANCY SENSOR, AS ABOVE, CONFIGURED FOR VACANCY OPERATION
P	PHOTOELECTRIC CELL, EXTERIOR RATED; AIM AND SHIELD SENSOR FROM INTERIOR AND EXTERIOR ARTIFICIAL LIGHT SOURCES
S	SWITCH; SUBSCRIPT (WHEN USED): NONE - SINGLE POLE TOGGLE SWITCH 3 - THREE-WAY SWITCH D - LINEAR SLIDE DIMMER SWITCH 3D - THREE-WAY LINEAR SLIDE DIMMER SWITCH O - WALL MOUNTED OCCUPANCY SENSOR 3O - THREE-WAY SWITCH WITH OCCUPANCY SENSOR a,b,c etc. - SWITCH ID

FIRE ALARM

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND CONDUIT AND CABLING PER THE MANUFACTURER'S SPECIFICATIONS)

Symbol	Description
FACP	FIRE ALARM CONTROL PANEL
F	FIRE ALARM SYSTEM PULL STATION
	FIRE ALARM SYSTEM STROBE
C	FIRE ALARM SYSTEM CHIME/STROBE
H	FIRE ALARM SYSTEM HORN/STROBE
S	FIRE ALARM SYSTEM SPEAKER/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT STROBE
C	FIRE ALARM SYSTEM CEILING MOUNT CHIME/STROBE
H	FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE
S	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE
C	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR
T	FIRE ALARM SYSTEM THERMAL DETECTOR
D	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
S	FIRE ALARM SYSTEM SMOKE DETECTOR

SECURITY (EQUIPMENT PROVIDED BY OWNER/OTHERS)

(EQUIPMENT PROVIDED BY OTHERS)

Symbol	Description
KP	JUNCTION BOX FOR KEYPAD; INSTALL 48" AFF AND PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
DC	JUNCTION BOX FOR DOOR CONTACT (MAGNETIC LOCK); PROVIDE 3/4"EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
CR	JUNCTION BOX FOR CARD READER; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
ES	JUNCTION BOX FOR ELECTRIC STRIKE LOCK; PROVIDE 3/4"EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR DOOR OPERATOR; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING NEAR THE CONTROLLED DOOR
MD	JUNCTION BOX FOR MOTION DETECTOR; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING
	JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE 3/4"EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING

SOUND

(PROVIDE 1"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
M	FLOOR MOUNTED MICROPHONE OUTLET
SP	CEILING MOUNTED SPEAKER
SP	WALL MOUNTED SPEAKER

HEALTHCARE

(PROVIDE 1"EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

Symbol	Description
D	DOCTOR'S DICTATION
	NURSE CALL SYSTEM EMERGENCY CALL-IN STATION
	NURSE CALL SYSTEM BEDSIDE PATIENT STATION
S	NURSE CALL SYSTEM STAFF STATION
N	NURSE CALL SYSTEM CORRIDOR DOME LIGHT
B	NURSE CALL SYSTEM CODE BLUE STATION

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
2. THE WORDS "PROVIDE" AND "PROVIDED" AS USED HEREIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH AND INSTALL". EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
3. ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
4. CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVIEWED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
5. BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
6. CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
7. MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
8. THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
9. DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
10. WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
11. NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT, EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
12. OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
13. COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
14. COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
15. WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
16. PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
17. FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
18. ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELLS AND RISERS.
19. PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
20. SET SCREW CONDUIT FITTINGS SHALL NOT BE PERMITTED.

LIGHTING GENERAL NOTES

1. VERIFY THE EXACT LOCATION OF ALL LIGHTING SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
3. VERIFY THE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION FOR MAXIMUM PERFORMANCE.
4. EMERGENCY FIXTURES AND EXIT FIXTURES SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT. BRANCH CIRCUIT WIRING TO EXIT FIXTURES AND TO BATTERY INVERTERS WITHIN FIXTURES WITH INTEGRAL BATTERY UNITS SHALL BE UNSWITCHED, CONNECTED AHEAD OF ANY CONTROL SWITCHING.
5. WALL MOUNT TYPE "Z" FIXTURES ABOVE DOOR AS SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECT PRIOR TO ROUGH-IN.
6. MOUNT TYPE "EM" FIXTURES 8'-0" AFF UNLESS OTHERWISE NOTED.
7. VERIFY THE CEILING TYPES FOR ALL LIGHT FIXTURES TO BE FLUSH MOUNTED OR SUSPENDED AND ADJUST FIXTURE MOUNTING TYPES IN ACCORDANCE WITH THE CEILING TYPE, AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE.
8. ALL VANITY FIXTURES SHALL BE MOUNTED WITH 0'-3" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR UNLESS OTHERWISE NOTED.
9. VERIFY THE EXACT MOUNTING LOCATION FOR ANY PHOTOELECTRIC CELLS WITH THE ARCHITECT PRIOR TO ROUGH-IN. ALL PHOTOELECTRIC CELLS MUST FACE NORTH.
10. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES/SWITCHES/DIMMERS WITH LIGHTING FIXTURES AND BALLASTS/DRIVERS PRIOR TO SUBMITTAL.
11. COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL ROOMS WITH DIVISION 15/23 PLANNED EQUIPMENT LOCATION AND DUCT INSTALLATION. WALL MOUNT LIGHTS OR PROVIDE PENDANT MOUNTING AS REQUIRED TO ILLUMINATE THE SPACE.
12. WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN THE SAME AREA, MOTION DETECTION BY ONE SENSOR SHALL ILLUMINATE ALL LIGHTING IN THE RESPECTIVE AREA.

TELECOMMUNICATIONS GENERAL NOTES

1. PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. ROUTE TO ABOVE CEILING AND ROUTE TO TELEPHONE BACKBOARD IN IT ROOM. TERMINATE AND CONNECT STATION CABLES TO PATCH PANEL, FOLLOWING THE OWNER'S LABELING CONVENTIONS FOR ALL HORIZONTAL CABLING.
2. OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
3. PLYWOOD FOR BACKBOARDS SHALL BE 0'-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED.
4. COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
5. SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATIONS TO MAIN ELECTRICAL SERVICE GROUNDING MEANS.
6. ALL BACKBOARDS SHALL BE EQUIPPED WITH D-RINGS SPACED AT 1'-0" APART AROUND ALL EDGES OF THE PLYWOOD TO SUPPORT CABLE AND WIRE.
7. CAT 6 CABLES FOR DATA OUTLETS SHALL HAVE BLUE JACKETS AND CAT 6 CABLES FOR VOICE OUTLETS SHALL HAVE WHITE JACKETS.

SPECIAL SYSTEMS GENERAL NOTES

1. VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
2. INTERCONNECT THE HOOD EXHAUST AND SUPPLY FANS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT WHEN HOOD EXTINGUISHING SYSTEM IS ACTIVATED, THE EQUIPMENT BELOW THE HOOD AND HOOD SUPPLY FAN ARE DE-ENERGIZED AND THE HOOD EXHAUST FAN WILL START IF NOT RUNNING.
3. INTERCONNECT THE HOOD EXTINGUISHING SYSTEM WITH THE FIRE ALARM SYSTEM IF APPLICABLE.
4. FOR ALL CAMERA LOCATIONS, PROVIDE ONE (1) GREEN JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
5. FOR ALL WIRELESS ACCESS POINT LOCATIONS, PROVIDE ONE (1) YELLOW JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
6. PROVIDE AN ADDITIONAL 10%, OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER: INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
7. VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

DEMOLITION GENERAL NOTES

1. THE LOCATIONS OF EXISTING CIRCUITS AND EQUIPMENT ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND WIRING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSE BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING PORTIONS OF THE ELECTRICAL SYSTEMS.
2. THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
3. ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF AS REQUIRED.
4. EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD, UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS. OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
5. WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DRAWINGS AS SPECIFIED.
6. WHERE EXISTING RACEWAYS THAT ARE NOT TO BE REUSED INTERFERE WITH NEW WORK, THESE RACEWAYS SHALL BE REMOVED BACK TO THE NEAREST JUNCTION BOX OR PULL BOX AND THE OPENINGS BLANKED.
7. CONTRACTOR SHALL MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICABLE.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND DATA WIRING NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
9. IF ANY BRANCH CIRCUIT WIRING FEEDING EQUIPMENT TO REMAIN IN PLACE FOR REUSE IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS THAT OF THE EXISTING AT NO COST TO THE OWNER.
10. EXISTING DEVICES ARE SHOWN IN GRAY. CONDUIT AND WIRING ARE NOT GENERALLY SHOWN AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL DEMOLITION WORK AND CLARIFICATION OF INDICATED WORK WILL BE GIVEN BY RFI.
11. COORDINATE THE REMOVAL AND REINSTALLATION (OR PROTECTION IN PLACE) OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITH THE WORK OF OTHER TRADES TO REPLACE OR REFINISH EXISTING WALLS AND CEILINGS.
12. WHERE EXISTING CIRCUITS ARE BEING REMOVED IN EXISTING PANELS, PROVIDE A NEW, NEATLY TYPED DIRECTORY WHICH INDICATES WHERE "SPARE" BREAKERS ARE LOCATED. ANY EXISTING BREAKERS THAT ARE NOT FEEDING DEVICES SHALL REMAIN AND BE LABELED AS A "SPARE."
13. WHERE NEW LOADS ARE CONNECTED TO EXISTING PANELS, AND WHERE LOADS ARE REARRANGED IN EXISTING PANELS AS PART OF THIS PROJECT, UPDATE THE RESPECTIVE PANEL DIRECTORY SO AS TO PROVIDE A COMPLETE, ACCURATE, AND TYPEWRITTTEN PANEL SCHEDULE. THE NEW PANEL SCHEDULE SHALL INCORPORATE ALL EXISTING LOADS, INCLUDING LOADS "EXISTING TO REMAIN". PROVIDE ALL REQUIRED TESTING AND INVESTIGATIONS NECESSARY TO ACCOMPLISH THIS WORK.

ABBREVIATIONS

Abbreviation	Meaning
A	AMPERE(S)
AC	ABOVE COUNTER (6" ABOVE BACKSPLASH)
AF	AMPERE(S) FUSED
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMP SYMMETRICAL INTERRUPTING CAPACITY RMS
AT	AMPERE(S) TRIP
AWG	AMERICAN WIRE GAUGE
BG	BELOW GRADE
BLDG	BUILDING
BKR	BREAKER
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CLG
CORR	CORRIDOR
CT	CURRENT TRANSFORMER
CTRL	CONTROLLER
D	TO BE DEMOLISHED
DISC.	DISCONNECT
DIST.	DISTRIBUTION
DWG	DRAWING
E	EXISTING TO REMAIN
EC	EMPTY CONDUIT
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMER.	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
EQUIP.	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST.	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FACPRA	FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATOR
FC	FOOTCANDLE
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERE(S)
FOC	FIBER OPTIC CABLE
G, GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
HH	HANDHOLE
HP	HORSEPOWER
KAIC	1,000 AMP SYMMETRICAL INTERRUPTING CAPACITY RMS
KWH	1,000 WATT HOURS
KVA	1,000 VOLT AMPERES
LAN	LOCAL AREA NETWORK
LC	LIGHTING CONTACTOR
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCM/KCMIL	1,000 CIRCULAR MILS
MECH.	MECHANICAL
MH	MANHOLE
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NU	WEATHERPROOF IN-USE COVER
OH	OVERHEAD
OHE	OVERHEAD ELECTRICAL
OSP	OUTSIDE PLANT
UPP	UTILITY POWER POLE
PB	PULL BOX
PH	PHASE
PNL	PANEL
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RCPT	RECEPTACLE
REQ'D	REQUIRED
SF	SUPPLY FAN
S/N	SOLID NEUTRAL
SPD	SURGE PROTECTIVE DEVICE
STD	STANDARD
TEL	TELEPHONE
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUND BUS
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS
TTB	TELECOM TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP.	TYPICAL
UG	UNDERGROUND
UGP	UNDERGROUND PRIMARY
UGS	UNDERGROUND SECONDARY
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY, INC.
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

ALL SYMBOLS, ABBREVIATIONS, AND NOTES ABOVE ARE TYPICAL AND ARE NOT NECESSARILY USED IN THESE CONSTRUCTION DOCUMENTS

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SEAL

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LICENSE No. 42812
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IN
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8/19/2024

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PROJECT INFORMATION

QUALITY ENG. PRAIRYVILLE PARK FIELD LIGHTING

38430 LA-929, PRAIRIEVILLE, LA 70769

REVISIONS

SHEET INFORMATION	
DATE:	10/4/2024
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

ELECTRICAL COVER SHEET

SHEET NUMBER

E0.0

DEMOLITION KEYNOTES:

1. EXISTING POLE, SPORTING LIGHT FIXTURES, CONDUIT, AND SPEAKERS/ SPEAKER WIRING (IF APPLICABLE) TO BE REMOVED (TYPE. FOR 8)

NORTH

1 DEMO POWER PLAN

1" = 30'-0"

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REVISIONS

SHEET INFORMATION

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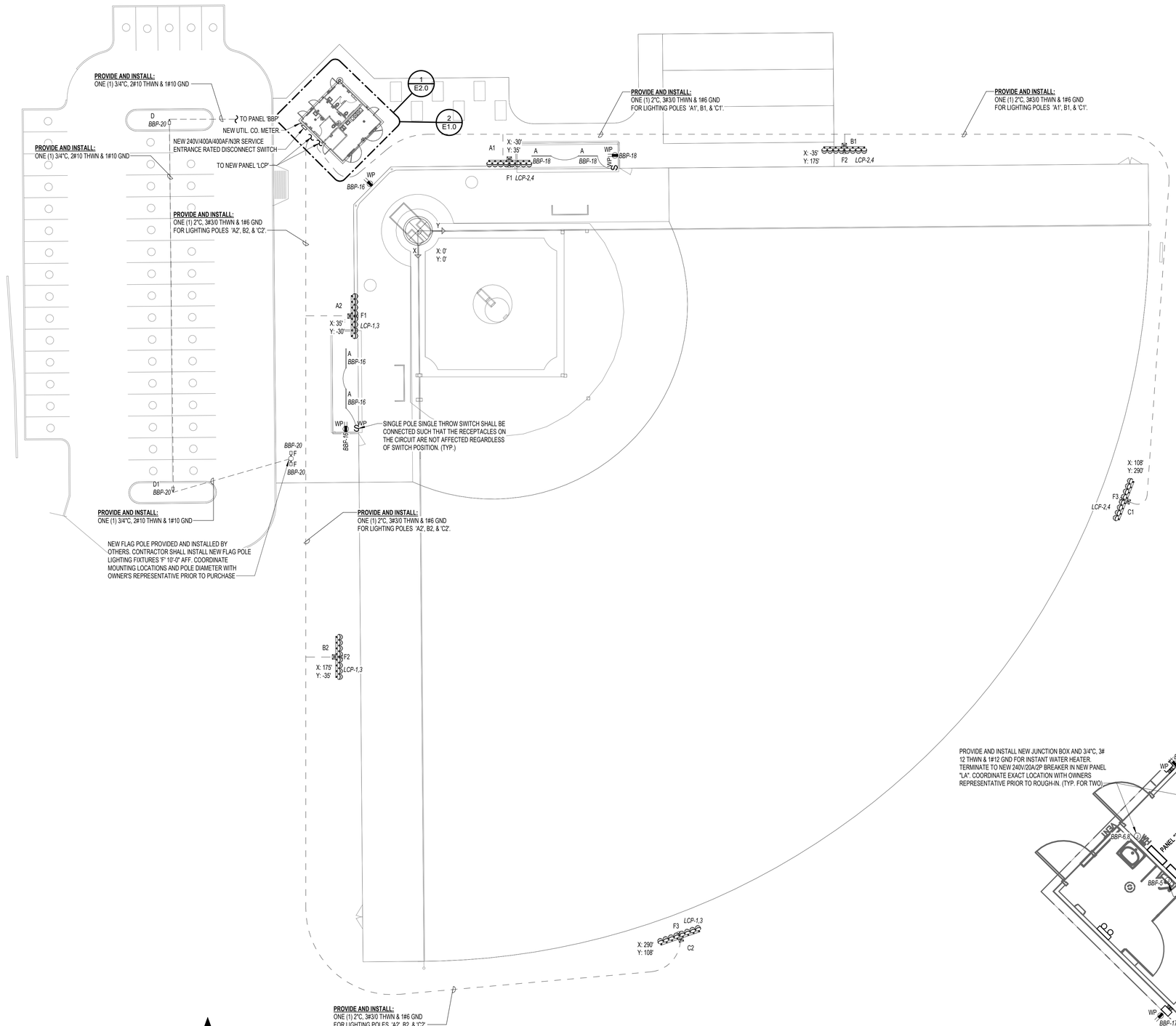
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

ELECTRICAL DEMOLITION PLAN

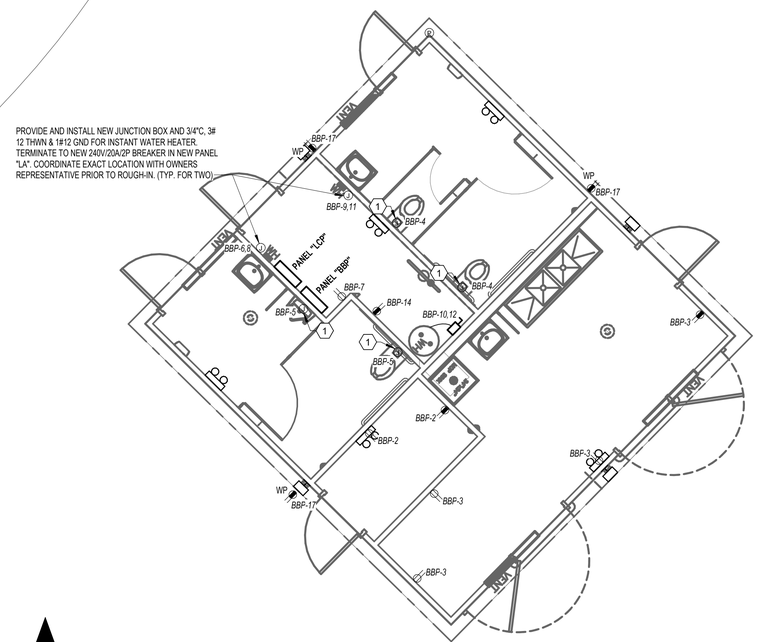
SHEET NUMBER

E0.1



POWER PLAN KEYNOTE:

1. PROVIDE AND INSTALL NEW JUNCTION BOX AND 3/4"C, 2#12 THWN & 1#12 GND FOR EACH AUTOMATIC FLUSH VALVE. TERMINATE TO NEW 120V/20A/1P BREAKER IN NEW PANEL "LA". COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. (TYP. FOR THREE)



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CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

POWER PLAN

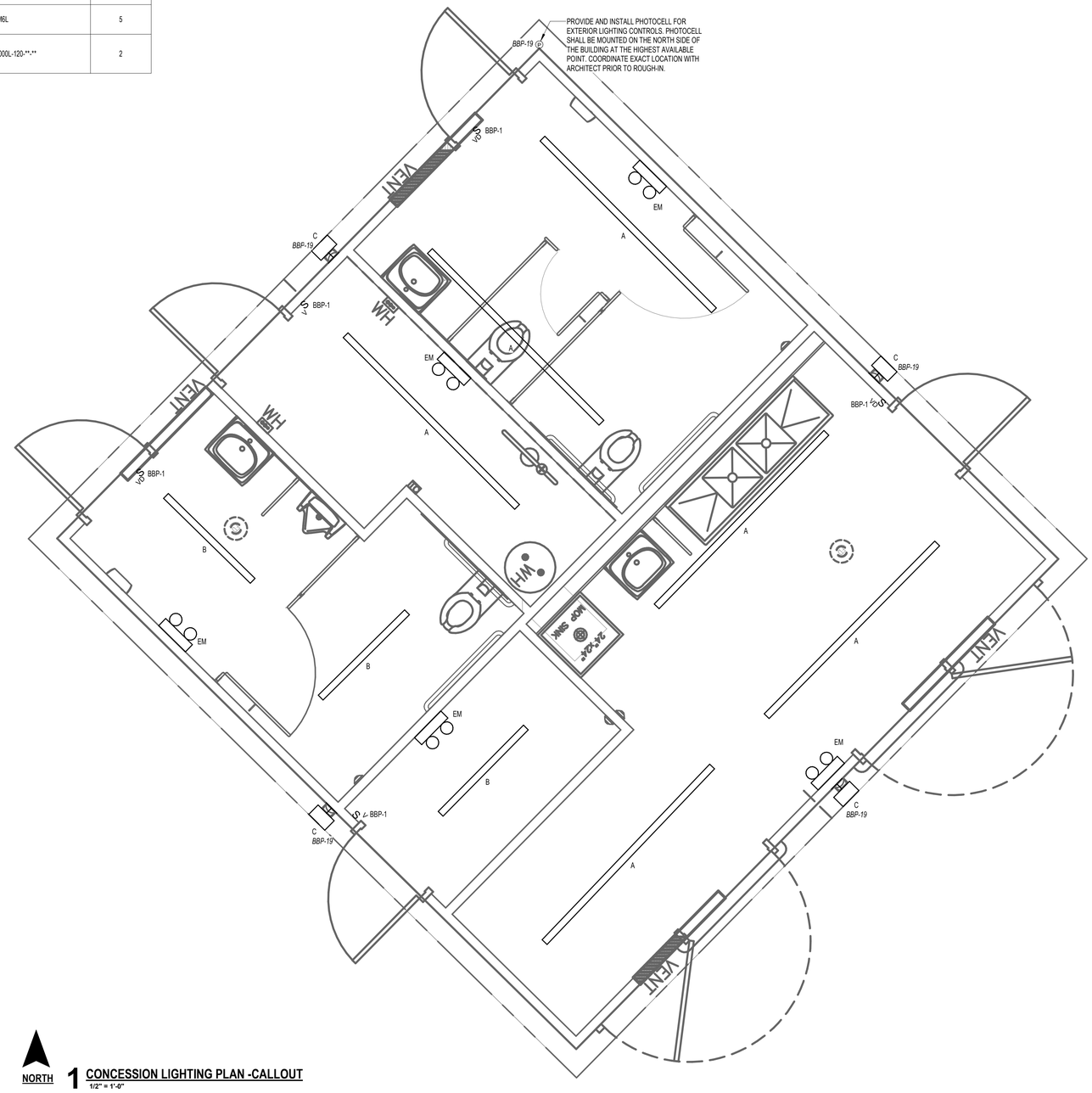
SHEET NUMBER

E1.0

SCHEDULE - CONCESSION LIGHTING FIXTURES

NOTES:
** FINISH TO BE SELECTED BY ARCHITECT

MARK	DESCRIPTION	LAMPS	VOLTS	LOAD	TEMP.	LUMENS	MOUNTING	BASIS OF DESIGN		COUNT
								MANUFACTURER	CATALOG NO.	
A	8' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED	120V	37 VA	4000K	6,000	CEILING	LITHONIA LIGHTING	CLX-L96-6000LM-SEF-FDL-MVOLT-GZ10-040K-80CRI-**	10
B	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED	120V	30 VA	4000K	5,000	CEILING	LITHONIA LIGHTING	CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-040K-80CRI-**	3
C	ARHITECTURAL LED WALL PACK	LED	120V	50 VA	4000K	3,000	WALL	LITHONIA LIGHTING	WST-P2-40K-MVOLT	4
D	LED PARKING LOT FIXTURE SHALL BE MOUNTED ON POLE AT 25'-0" AFF	LED	120V	51 VA	4000K	7,400	POLE	LITHONIA LIGHTING	DSX1-LED-P1-40K-80CRI-TFTM-MVOLT-SPA5-PIR-**	1
D1	LED PARKING LOT FIXTURE SHALL BE MOUNTED ON POLE AT 25'-0" AFF	LED	120V	51 VA	4000K	7,390	POLE	LITHONIA LIGHTING	DSX1-LED-P1-40K-80CRI-T4M-MVOLT-SPA5-PIR-**	1
EM	EMERGENCY LIGHTING UNIT EQUIPMENT WITH TWO ADJUSTABLE LED HEADS. INTEGRAL BATTERY WITH SELF-DIAGNOSTICS.	LED	120V	2 VA	4000K	1,100	WALL	LITHONIA LIGHTING	ELM6L	5
F	LED WEATHERPROOF FLAG POLE LIGHTING FIXTURE. CONTRACTOR SHALL MOUNT FIXTURE 10'-0" AFF ON POLE. COORDINATE POLE DIAMETER WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASE.	LED	120V	58 VA	4000K	5,000	POLE	KIRLIN LIGHTING	LWR-09490-5000L-120-**-**	2



NORTH

1 CONCESSION LIGHTING PLAN -CALLOUT
1/2" = 1'-0"

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PROJECT INFORMATION

QUALITY ENG. PRAIRYVILLE PARK
FIELD LIGHTING

38430 LA-929, PRAIRIEVILLE, LA 70769

REVISIONS

SHEET INFORMATION

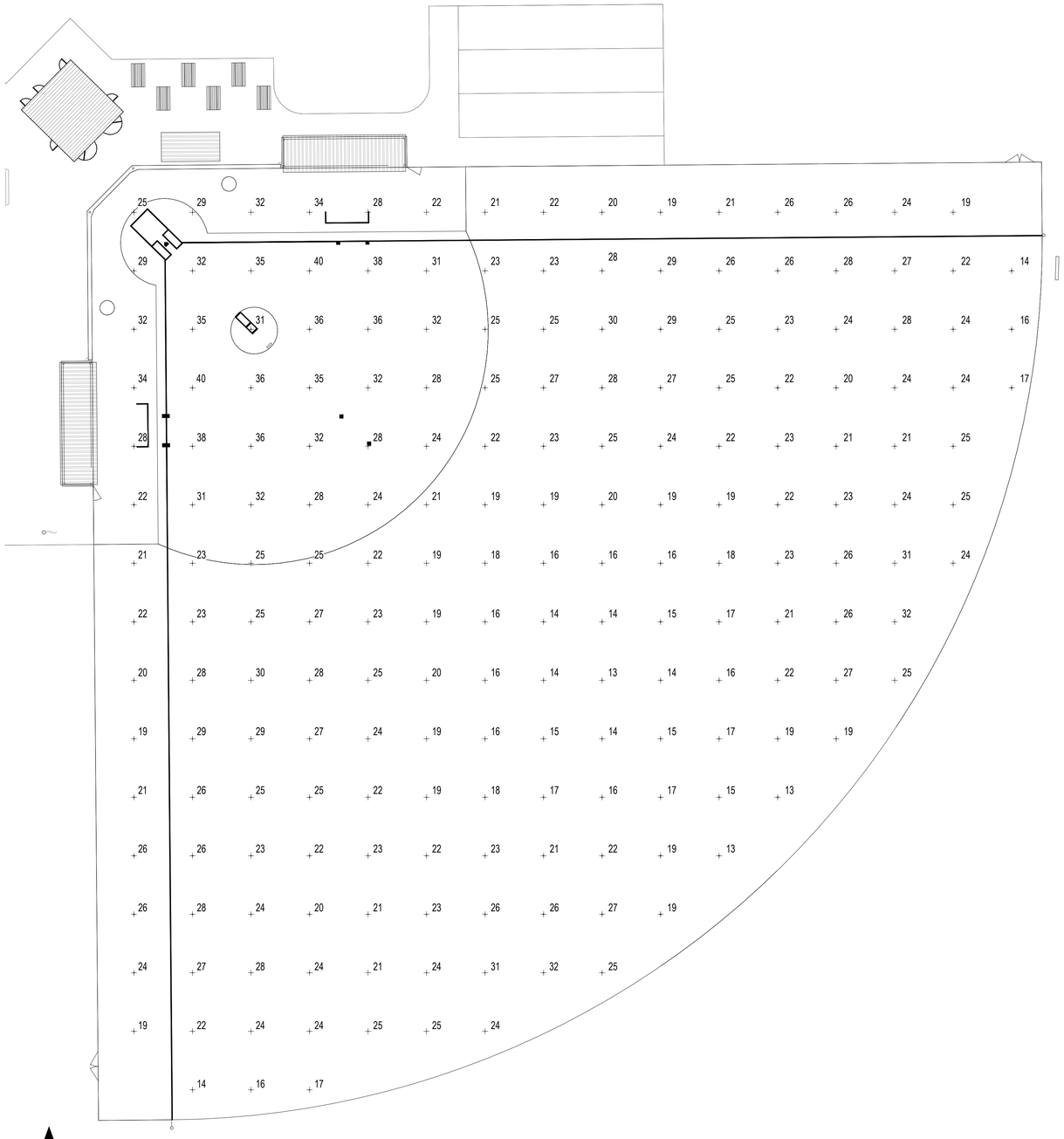
DATE:	10/4/2024
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

LIGHTING PLAN

SHEET NUMBER

E2.0



NORTH

1 PHOTOMETRICS
3/64" = 1'-0"

LIGHTING REQUIREMENTS:

INFIELD LIGHTING:
30 fc AVERAGE
2.5:1 MAX/MIN

OUTFIELD LIGHTING:
20 fc AVERAGE
3.0:1 MAX/MIN

SCHEDULE - FIELD POLE SCHEDULE

NOTES: BELOW IS AN EXAMPLE OF AN APPROVED MANUFACTURER, ALL OTHERS MUST SEEK PRIOR APPROVAL.
FIXTURES SHALL BE CONTROLLABLE FROM CONTROL CABINET LOCATED IN CONCESSION BUILDING
FIXTURES SHALL HAVE 25 YEAR WARRANTY

Mark	DESCRIPTION	POLE HEIGHT	LOAD/POLE	VOLTS	MANUFACTURER	FIXTURE CHARACTERISTICS												FIXTURE THREE					
						FIXTURE ONE						FIXTURE TWO											
						CATALOG NO.	MOUNTING HEIGHT	QTY/POLE	LUMENS	TEMP.	LOAD	CATALOG NO.	MOUNTING HEIGHT	QTY/POLE	LUMENS	TEMP.	LOAD	CATALOG NO.	MOUNTING HEIGHT	QTY/POLE	LUMENS	TEMP.	LOAD
A1 & A2	FIELD LIGHTING FIXTURES A1 - A2	60' - 0"	2340 VA	240V	MUSCO	TLC-LED-900	60' - 0"	1	104,000	5700K	880 VA	TLC-LED-900	60' - 0"	1	89,600	5700	890	TLC-BT-575	16' - 0"	1	52,000	5700	575
B1 & B2	FIELD LIGHTING FIXTURES B1 - B2	70' - 0"	5250 VA	240V	MUSCO	TLC-LED-1200	70' - 0"	4	150,000	5700	1170 VA	TLC-BT-575	16' - 0"	1	52,000	5700	575	N/A	N/A	N/A	N/A	N/A	N/A
C1 & C2	FIELD LIGHTING FIXTURES C1 - C2	60' - 0"	4670 VA	240V	MUSCO	TLC-LED-900	60' - 0"	4	104,000	5700K	880 VA	TLC-BT-575	16'- 0"	2	52,000	5700	575	N/A	N/A	N/A	N/A	N/A	N/A

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PROJECT INFORMATION

QUALITY ENG. PRAIRYVILLE PARK
FIELD LIGHTING

38430 LA-929, PRAIRIEVILLE, LA 70769

REVISIONS

SHEET INFORMATION

DATE:	10/4/2024
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

FIELD PHOTOMETRICS

SHEET NUMBER

E2.1

Branch Panel: BBP

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA-1
Number of Sections:

Volts: 120/240
Phases: 1
Wires: 3

A.I.C. Rating: 10,000
Mains Rating: 225 A
MCB Rating: 225 A

Panel Schedule Notes:

CKT	Trip	Poles	Wire	GRND	Conduit	Circuit Description	A	B	Circuit Description	Conduit	GRND	Wire	Poles	Trip	CKT
1	20 A	1	2#12	#12	3/4"	CCONCESSION LTG	312 VA	360 VA	RCPT STORAGE	3/4"	#12	2#12	1	20 A	2
3	20 A	1	2#12	#12	3/4"	RCPT CONCESSION AREA		720 VA	1000 VA	AUTO FLUSH VALVE...	3/4"	#12	2#12	1	20 A	4
5	20 A	1	2#12	#12	3/4"	AUTO FLUSH VALVE MENS	1000 VA	250 VA		INSTANT - WH - 1	3/4"	#12	3#12	2	20 A	6
7	20 A	1	2#12	#12	3/4"	RCPT CONCESSION CHASE		180 VA	250 VA							8
9	20 A	2	3#12	#12	3/4"	INSTANT - WH - 2	250 VA	1750 VA		WH - TANK	3/4"	#10	3#10	2	25 A	10
11								250 VA	1750 VA							12
13	150 A	2	3#1/0	1#6	2"	LCP	12260 VA	180 VA		RCPT CHASE	3/4"	#12	2#12	1	20 A	14
15									12260 VA	368 VA	DUGOUT RCPT & LTG	3/4"	#10	2#10	1	20 A	16
17	20 A	1	2#12	#12	3/4"	RCPT EXTERIOR	540 VA	195 VA		DUGOUT RCPT & LTG	3/4"	#10	2#10	1	20 A	18
19	20 A	1	2#12	#12	3/4"	LTG - EXTERIOR			350 VA	218 VA	LTG - PARKING LOT	3/4"	#10	2#10	1	20 A	20
21	20 A	1	--	--	--	SPARE	0 VA	0 VA			SPARE	--	--	--	1	20 A	22
23	20 A	1	--	--	--	SPARE			0 VA	--	SPACE	--	--	--	1	--	24
25	--	1	--	--	--	SPACE	--	--			SPACE	--	--	--	1	--	26
27	--	1	--	--	--	SPACE			--	0 VA	SPD	--	--	--	2	60 A	28
29	--	1	--	--	--	SPACE	--	0 VA									30
							16774 VA		17317 VA								
							139.79 A		144.31 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	2520 VA	100.00%	2520 VA		
Power	2000 VA	100.00%	2000 VA	**Total Conn. Load:**	34091 VA
Lighting	25072 VA	125.00%	31340 VA	**Total Est. Demand:**	40359 VA
Water Heating	4500 VA	100.00%	4500 VA	**Total Conn.:**	142.04 A
				Total Est. Demand:	168 A

Load Summary Notes:

Branch Panel: LCP

Location:
Supply From: BBP
Mounting: SURFACE
Enclosure: NEMA-1
Number of Sections:

Volts: 120/240
Phases: 1
Wires: 3

A.I.C. Rating: 10,000
Mains Rating: 200 A
MLO Rating: 200 A

Panel Schedule Notes:

CKT	Trip	Poles	Wire	GRND	Conduit	Circuit Description	A	B	Circuit Description	Conduit	GRND	Wire	Poles	Trip	CKT
1	80 A	2	3#3/0	#4	2"	A2 B2 & C2	6130 VA	6130 VA							
3									6130 VA	6130 VA	A1 B1 & C1	2"	#4	3#3/0	2	80 A	4
5	--	1	--	--	--	SPACE	--	--			SPACE	--	--	--	1	--	6
7	--	1	--	--	--	SPACE			--	--	SPACE	--	--	--	1	--	8
9	--	1	--	--	--	SPACE	--	0 VA			SPD	--	--	--	2	60 A	10
11	--	1	--	--	--	SPACE			--	0 VA							12
							12260 VA		12260 VA								
							102.17 A		102.17 A								

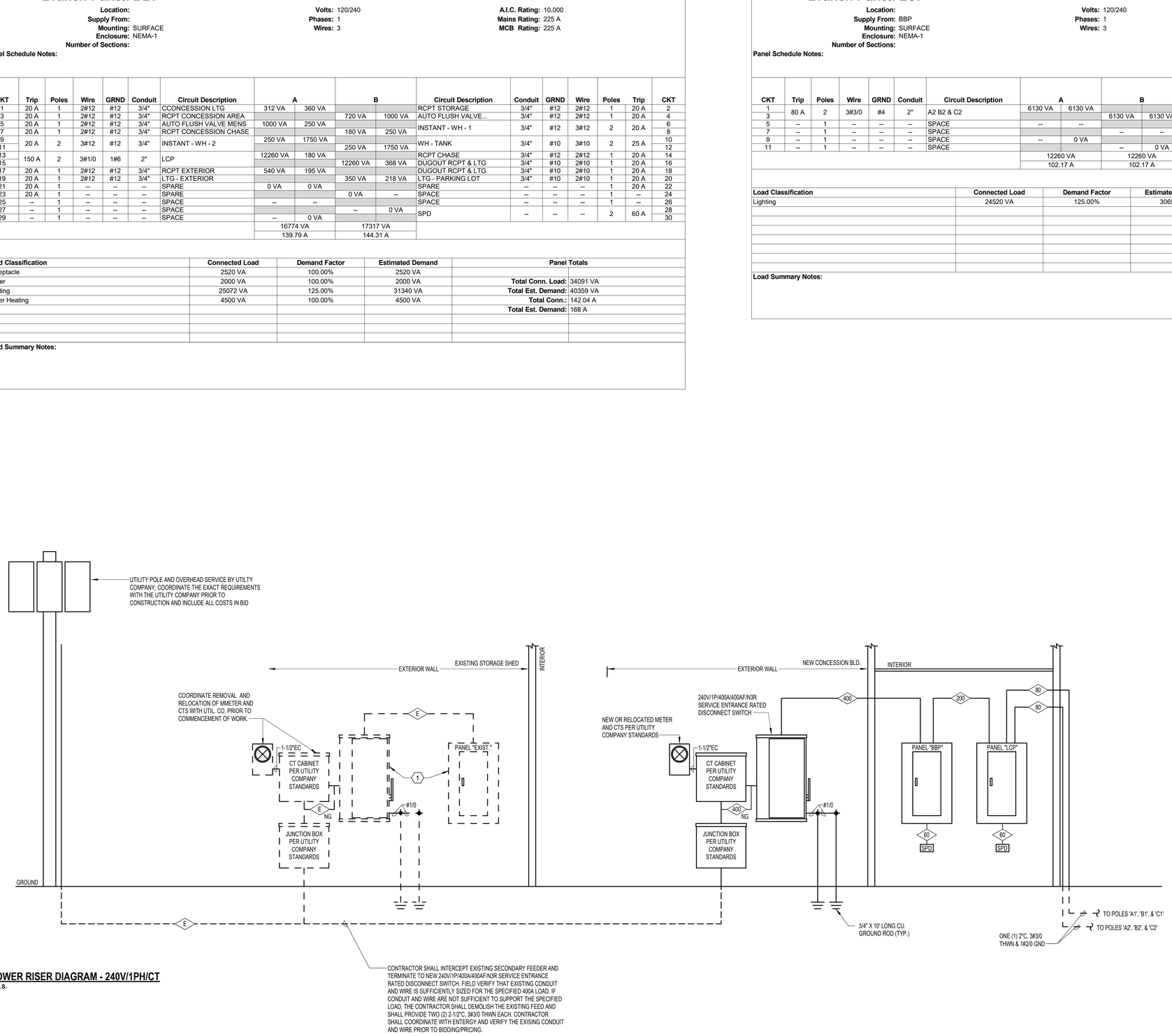
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	24520 VA	125.00%	30650 VA		
				Total Conn. Load:	24520 VA
				Total Est. Demand:	30650 VA
				Total Conn.:	102.17 A
				Total Est. Demand:	128 A

Load Summary Notes:

3-WIRE FEEDER SCHEDULE

STD. FUSE OR BKR TRIP SIZE	# OF SETS	WIRE QUANTITY AND SIZE	CONDUIT SIZE (MINIMUM)
30	1	3#10 THWN, 1#10 GND	3/4"
60	1	3#6 THWN, 1#8 GND	1-1/4"
80	1	3#3/0 THWN, 1#4 GND	2"
100	1	3#3 THWN, 1#8 GND	1-1/4"
125	1	3#1 THWN, 1#6 GND	1-1/2"
150	1	3#1/0 THWN, 1#6 GND	2"
200	1	3#3/0 THWN, 1#6 GND	2"
400	2	3#3/0 THWN, 1#3 GND	2-1/2"
600	2	3#350 THWN MCM, 1#1 GND	3"
800	3	3#300 THWN MCM, 1#1/0 GND	3"

NOTES:
1. ALL FEEDER SIZES LISTED MAY NOT BE SHOWN IN POWER RISER DIAGRAM.
2. ELECTRICAL CONTRACTOR TO VERIFY SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
3. REFER TO THE LATEST EDITION OF THE NEC FOR CONDUIT TYPES REQUIRED PER THEIR TABLES.
4. ALL CONDUCTORS TO BE COPPER.
5. "VD" INDICATES WIRE UPSIZED FOR VOLTAGE DROP.
6. "NG" INDICATES NO GROUND CONDUCTOR REQUIRED.
7. "E" INDICATES EXISTING CONDUIT AND WIRE.



1 POWER RISER DIAGRAM - 240V/1PH/CT
N.T.S.

RISER DIAGRAM KEYNOTES:

1. COORDINATE THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT WITH CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

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FIELD LIGHTING
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REVISIONS

SHEET INFORMATION

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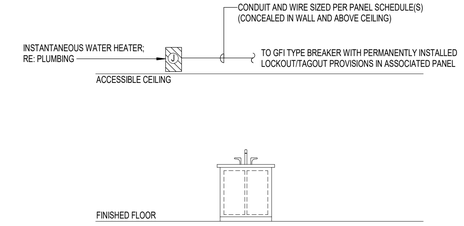
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

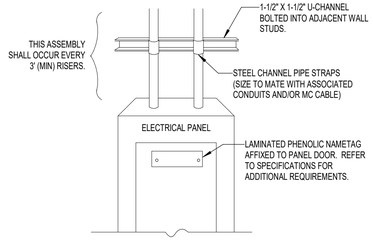
RISER DIAGRAM & SCHEDULES

SHEET NUMBER

E3.0



1 DETAIL - ACCESSIBLE INSTANTANEOUS ELECTRIC WATER HEATER
N.T.S.



2 DETAIL - CONDUIT SUPPORT
N.T.S.

TYPICAL PANELBOARD PLAQUE

(INDICATE PANEL DESIGNATION)

__/__ VOLTS __ PHASE __ WIRE
__ AMPS MAIN __
FED FROM

(INDICATE FEEDER ORIGINATION I.D.)

(PANEL AND CIRCUIT NO.)

TYPICAL DISCONNECT PLAQUE

(INDICATE EQUIPMENT DESCRIPTION)

FUSED AT __ AMPERES
FED FROM

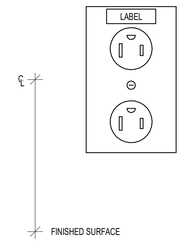
(INDICATE FEEDER ORIGINATION I.D.)

(PANEL AND CIRCUIT NO.)

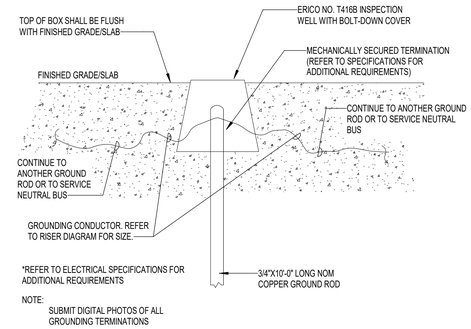
SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.

ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.

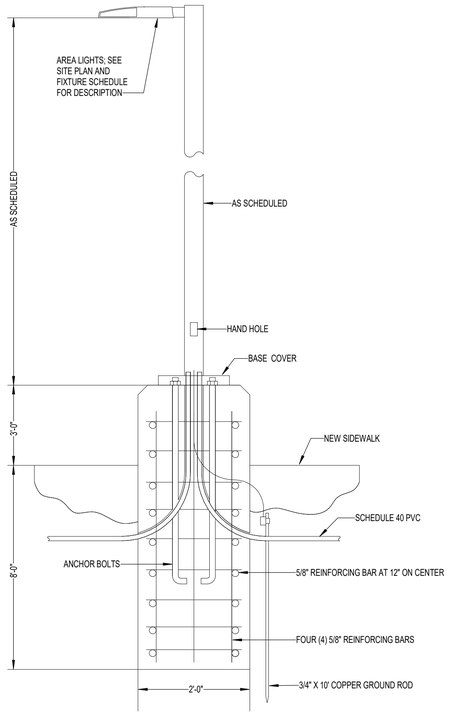
3 DETAIL - EQUIPMENT SIGNAGE
N.T.S.



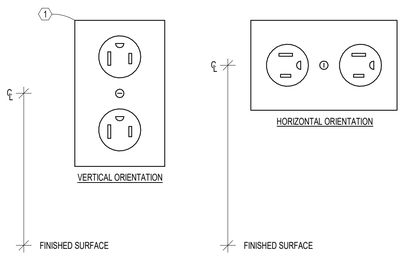
4 DETAIL - RECEPTACLE LABELING
N.T.S.



5 DETAIL - GROUND ROD INSTALLATION
N.T.S.



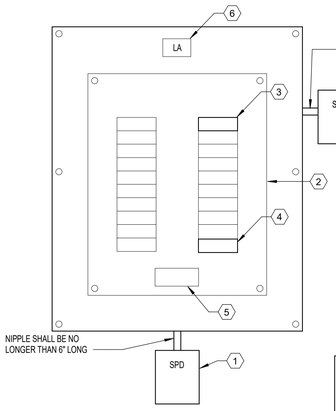
6 DETAIL - PARKING LOT POLE
N.T.S.



KEYNOTES

1. REFER TO SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
2. UNLESS DENOTED OTHERWISE ON PLANS, MOUNTING HEIGHT IS FROM FINISHED SURFACE (FLOOR/GRADE/COUNTER TOP/ETC...) TO CENTERLINE OF DEVICE.

7 DETAIL - RECEPTACLE
N.T.S.



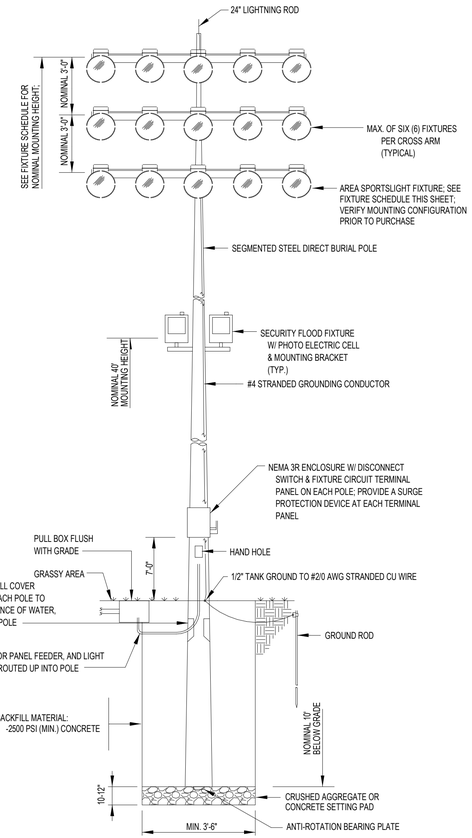
KEYNOTES

1. EXTERNALLY INSTALLED SPD.
2. ELECTRICAL PANEL.
3. 3 POLE OR 2 POLE CIRCUIT BREAKER POSITION FOR TOP MOUNTED SPD. SEE PANEL SCHEDULE.
4. 3 POLE OR 2 POLE CIRCUIT BREAKER POSITION FOR BOTTOM MOUNTED SPD. SEE PANEL SCHEDULE.
5. NAMEPLATE.
6. PANEL NAME AS PER PROJECT PANEL.

CONTRACTOR'S ATTENTION:

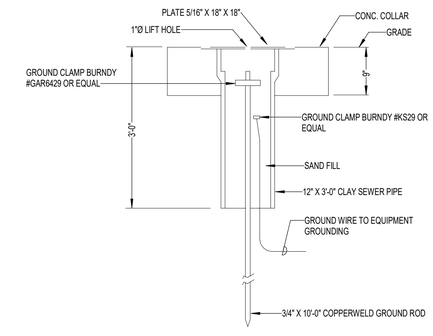
REFERENCE THE "SURGE PROTECTION DEVICE" SPECIFICATION FOR ADDITIONAL INSTALLATION REQUIREMENTS.

8 DETAIL - EXTERNAL SPD INSTALLATION
N.T.S.

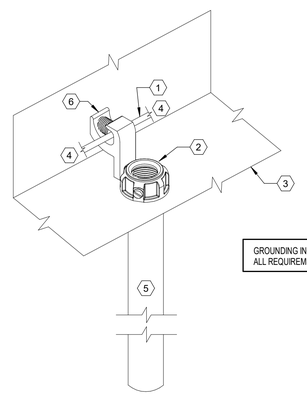


NOTE:
THIS FOUNDATION DETAIL ILLUSTRATES A TYPICAL FOUNDATION AND IS TO BE USED FOR ILLUSTRATION PURPOSES ONLY. THE FOUNDATION SHALL BE DESIGNED BY A LOUISIANA REGISTERED PROFESSIONAL CIVIL ENGINEER PER ELECTRICAL SPECIFICATIONS.

13 DETAIL - SPORTS LIGHTING POLE
N.T.S.



9 DETAIL - GROUNDWELL
N.T.S.



DETAIL KEYNOTES

1. SUPPLY SIDE EQUIPMENT BONDING JUMPER.
2. UL 467 LISTED GROUNDING BUSHING BY APPLETON, EATON, OR APPROVED EQUIVALENT.
3. ENCLOSURE.
4. TO ENCLOSURE GROUND BUS OR ADDITIONAL CONDUITS (AS REQUIRED).
5. INCOMING CONDUIT.
6. INTEGRAL BRACKET FOR ATTACHMENT OF BONDING JUMPER.

GROUNDING INSTALLATION SHALL MEET ALL REQUIREMENTS OF NEC 250.92.

10 DETAIL - CONDUIT GROUND BUSHING
N.T.S.

TYPICAL PANELBOARD PLAQUE

(INDICATE PANEL DESIGNATION)

__/__ VOLTS __ PHASE __ WIRE
__ AMPS MAIN __
FED FROM

(INDICATE FEEDER ORIGINATION I.D.)

(PANEL AND CIRCUIT NO.)

TYPICAL DISCONNECT PLAQUE

(INDICATE EQUIPMENT DESCRIPTION)

FUSED AT __ AMPERES
FED FROM

(INDICATE FEEDER ORIGINATION I.D.)

(PANEL AND CIRCUIT NO.)

SEE SPECIFICATIONS FOR MATERIALS, COLORS SIZE LETTERING, ETC.

ATTACH PLAQUES USING INDUSTRIAL GRADE DOUBLE FACE ADHESIVE.

12 DETAIL - EQUIPMENT SIGNAGE1
N.T.S.

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SEAL

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PROJECT INFORMATION

QUALITY ENG. PRAIRYVILLE PARK
FIELD LIGHTING

38430 LA-929, PRAIRIEVILLE, LA 70769

REVISIONS

SHEET INFORMATION

DATE:	10/4/2024
DRAWN BY:	HJM
CHECKED BY:	CC
PROJECT #:	24-067

SHEET NAME

ELECTRICAL DETAILS

SHEET NUMBER

E4.0