



**ADDENDUM NUMBER TWO (2)**  
**FOR THE**  
**LOWER GOLDWATER LAKE IMPROVEMENTS**

**DATE OF ADDENDUM: October 26<sup>th</sup> 2021**

**TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:**

The following addendum shall be made part of the Project Specifications and Contract Documents. All other provisions of the Contract Documents remain unchanged. The Bidder shall acknowledge receipt of this Addendum on page [\*\*] of the Bid Proposal form, in addition to signing below and returning this form with the bid package. The contents of this Addendum shall be given full consideration in the preparation of the Bid.

**Changes to the Plans and Extending Bid Opening Date**

**Add:** Two (2) additional Plan Pages

**Change Bid opening date from October 28<sup>th</sup>, 2021 at 2:00pm to November 4<sup>th</sup> 2021, at 2:00pm.**

**- END -**

City of Prescott Parks & Recreation Department

Joe Baynes  
Joe Baynes Recreation Services Director

10/26/21  
Date

**Acknowledgement:** (must be signed and turned in with the bid documents)

\_\_\_\_\_  
Company Name

Expires 3/31/21  
 REGISTERED PROFESSIONAL ENGINEER  
 21621  
 ROBERT T. HAINES  
 STATE OF ARIZONA  
 PE 124

*Robert T. Haines*

LOWER ; SITE PLAN GOLDWATER LAKE  
 DAY USE AREA  
 APN 104-09-001  
 ARIZONA  
 PRESCOTT

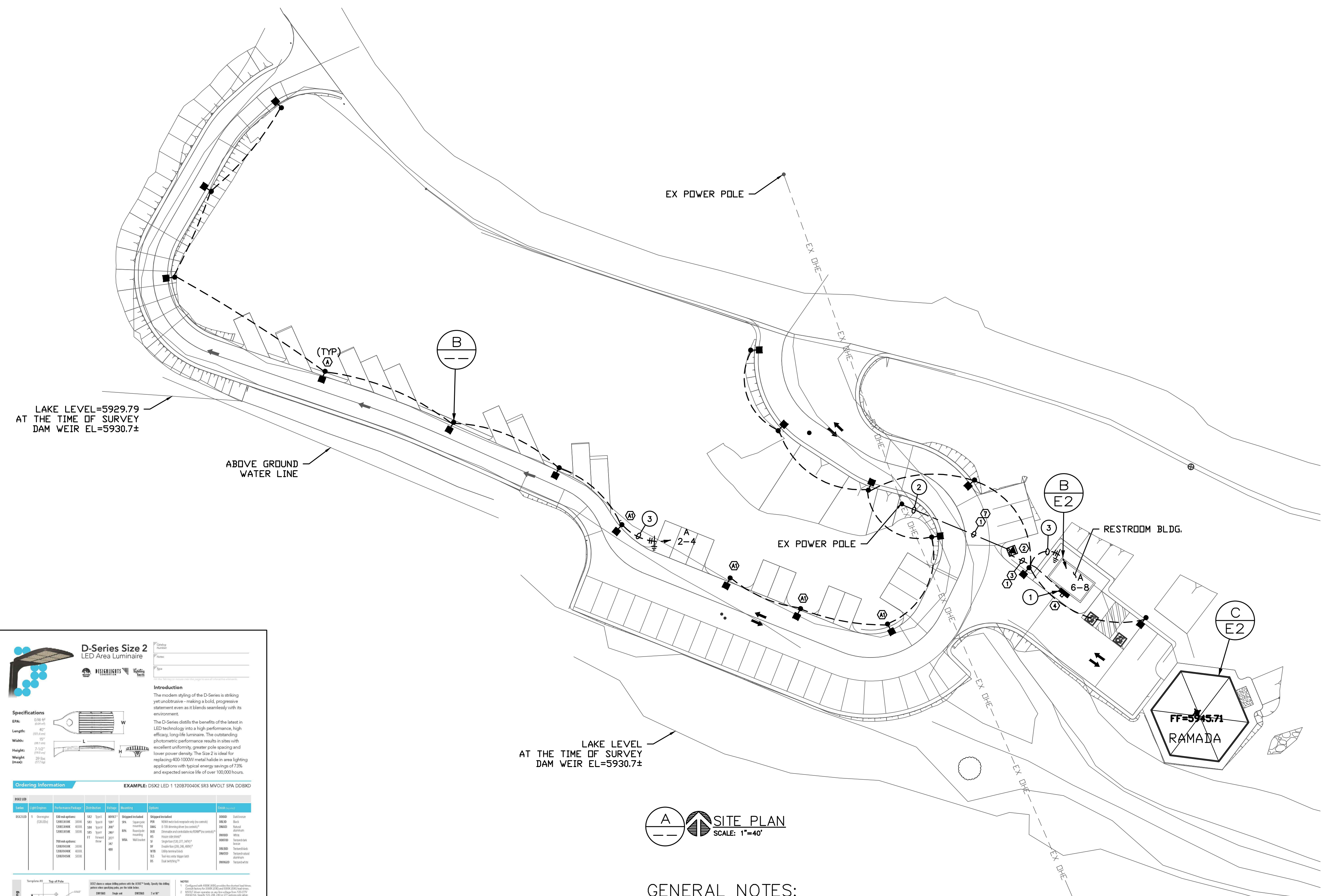
REVISIONS:  
 DATE: DRAWN BY: CHECKED BY: JOB NO.:

SHEET NO.  
 E-1  
 OF

- KEY NOTES**
- ① TRENCH AND BACK FILL FOR CONDUITS PER UTILITY CO. REQUIREMENTS (VERIFY ROUTING)
  - ② TRANSFORMER PAD PER POWER COMPANY REQUIREMENTS
  - ③ SECONDARY CONDUITS - SEE ONE-LINE DIAGRAM
  - ④ SERVICE ENTRANCE SECTION
  - ⑤ NOT USED
  - ⑥ NOT USED
  - ⑦ TERMINATE AS DIRECTED BY UTILITY COMPANY.
  - ⑧ THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COMPLIANCE WITH ALL UTILITY COMPANIES REQUIREMENTS. ROUTING OF INCOMING POWER AND TELEPHONE SERVICES FOR ESTIMATING PURPOSES ONLY. ACTUAL ROUTING, CONDUIT, TRENCH AND PAD REQUIREMENTS SHALL BE AS SPECIFIED BY UTILITY COMPANIES. VERIFY REQUIREMENTS WITH UTILITIES PRIOR TO INSTALLATION.

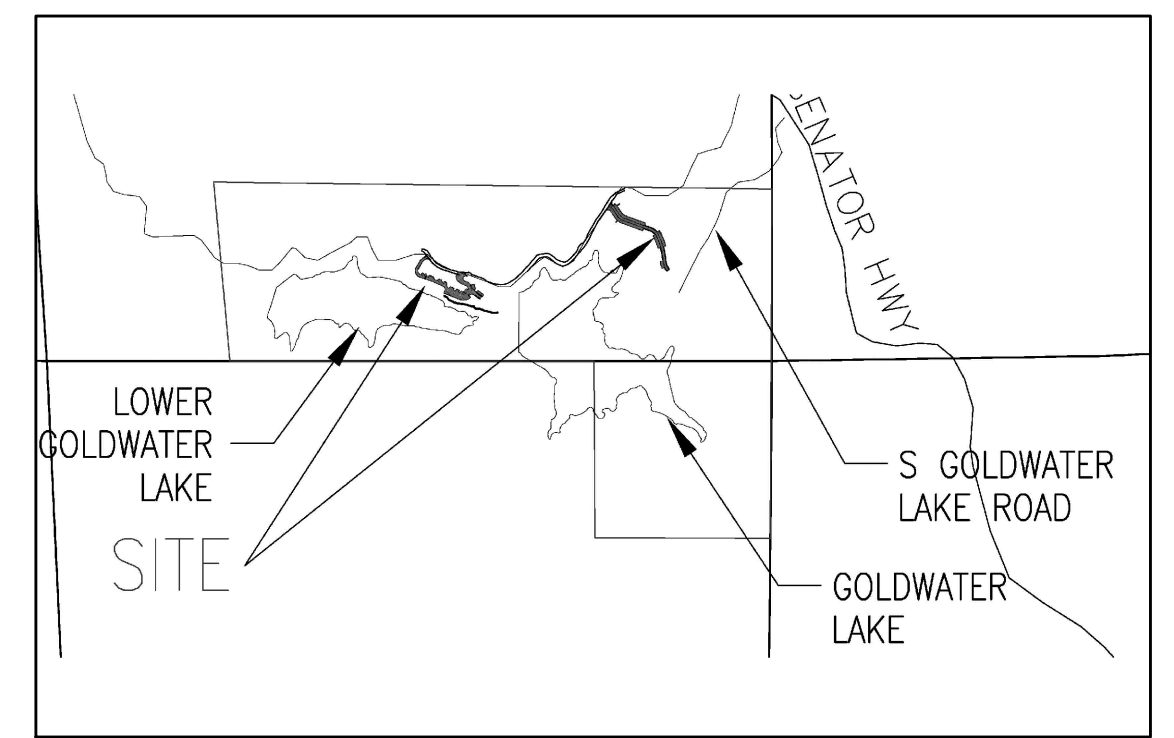
**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER AND MODEL NO.	VOLTS	LAMPS	MOUNTING	FINISH	REMARKS
A, A1	LITHONIA D-SERIES SIZE 2 D50LED120V40W120PAPER	240	180W LED	POLE MTD		FIX. AT USE PART # (TYP) IN LIEU OF (TYP) EACH FIXTURE TO HAVE PHOTO CELL
B	LITHONIA D50WLED120V40W120PAPER	120	20W LED	WALL MTD @ 4' #10		USED AROUND BEST ROOM BLDG PROVIDE WITH BIVDUAL PHOTO CELL
C	LITHONIA WICKLED120V40W120PAPER	120	41W LED	SURFACE		USED FOR PAVILION LIGHTING EXTERIOR AREA ONLY
C1	LITHONIA FURML120V40W120PAPER	120	20W LED	SURFACE		USED IN RESTROOMS
D	LITHONIA D50WLED120V40W120PAPER	120	20W LED	SURFACE		USED IN STORAGE ROOM
E	LITHONIA T5LED120V40W120PAPER	120	18W LED	WALL MTD		MOUNT ON COLLARS OF PAVILION NEAR ROOF LINE

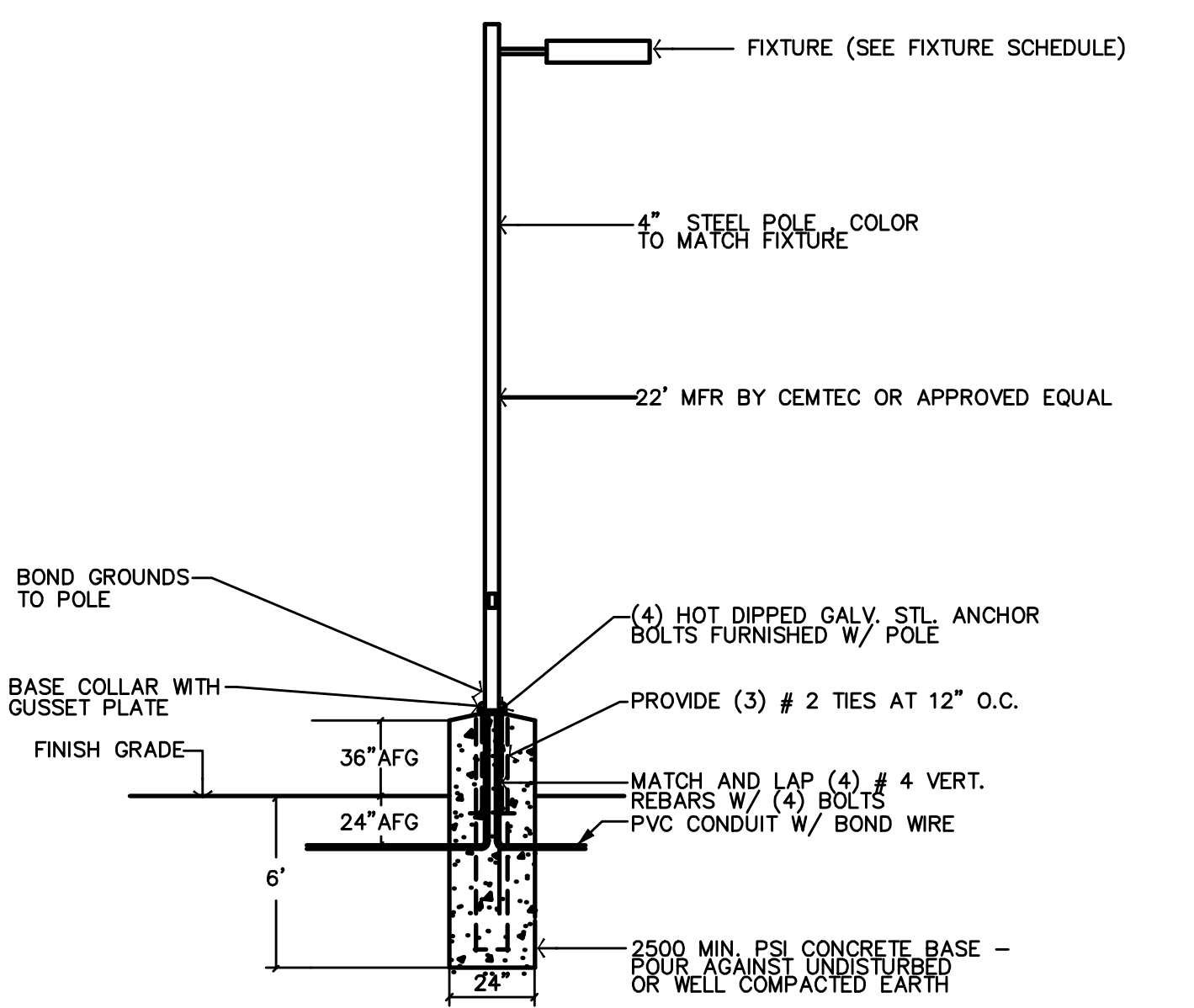


**A** SITE PLAN  
 SCALE: 1"=40'

- GENERAL NOTES:**
- ① MOUNT SERVICE ON CENTER WALL WHICH (DOES NOT) HAVE THE DOOR FOR THE STORAGE ROOM. SEE ARCH PLAN FOR CLARIFICATION.
  - ② EXTEND PRIMARY UNDERGROUND FROM EXISTING POWER POLE TO NEW XFMR PAD LOCATION.
  - ③ PROVIDE 2-#10 THWN CU, 1-#10 GND IN 3/4" (TYP) ALL SITE LIGHTING.



**VICINITY MAP**  
 NOT TO SCALE



**B** POLE MOUNTED FIXTURE DETAIL

**D-Series Size 2 LED Area Luminaire**

**Specifications**

Item	Value
Height	22.00'
Weight	27.00 lbs
Finish	White
Material	Aluminum

**Ordering Information**

Order No.	Quantity	Part No.	Description	Unit	Price
100000	1	D50LED120V40W120PAPER	D-Series Size 2 LED Area Luminaire	EA	120.00

**Controls & Shields**

Photo eye sensor, photocell, manual on/off switch, etc.

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H19015  
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ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

THE WORK DESCRIBED UNDER THIS SECTION OF THE SPECIFICATIONS INCLUDES FURNISHING ALL MATERIAL, LABOR AND EQUIPMENT, EXCEPT AS FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, TO INSTALL ELECTRICAL WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.

REGULATIONS, PERMITS AND INSPECTIONS

GENERAL: THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE IN PERFORMANCE OF THE WORK UNDER THIS CONTRACT, WHICH WILL IN ANY MANNER AFFECT THE WORK UNDER THIS CONTRACT.

EXISTING SERVICES AND REMODEL AREAS

THE CONTRACTOR SHALL MAINTAIN ALL SERVICES, POWER, SOUND, TELEPHONE, ETC. TO EXISTING BUILDINGS OR AREAS. ANY INTERRUPTIONS OF SERVICES REQUIRED FOR "OUT-ORDER" OR CONNECTIONS OF NEW CABLES, ETC. SHALL BE MADE AT THE TIME THAT IS CONVENIENT TO THE OWNER AND SHALL BE APPROVED IN WRITING PRIOR TO THE INTERRUPTION. MODIFIED SERVICE ENTRANCE SECTIONS SHALL BE "POT" TESTED WITH WRITTEN REPORTS SUBMITTED TO THE ENGINEER.

SERVICE ENTRANCE EQUIPMENT - (UNLESS EXISTING)

SERVICE ENTRANCE EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING EQUAL TO OR GREATER THAN THE AVAILABLE FAULT CURRENT, AND SHALL MEET ALL THE REQUIREMENTS OF ALL APPLICABLE CODES. OUTDOOR GEAR SHALL BE NEMA 3R. ALL SWITCH GEAR SHALL BE FREE STANDING UNLESS OTHERWISE SPECIFIED. SEE ONE LINE DIAGRAM.

PANELS

PANEL TYPE SHALL BE INDICATED ON THE DRAWINGS. NEW FLUSH PANELS SHALL HAVE 3 - 3/4" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE. ALL PANELS SHALL HAVE A GROUND BUS.

SAFETY SWITCHES

SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE, WHERE OUTSIDE THE BUILDING, THE SWITCHES SHALL BE RAINWATER TIGHT NEMA 3R. ALL SWITCHES SHALL BE LOCKABLE.

WIRE

ALL WIRE AND CABLE SHALL BE NEW, 600 VOLT INSULATED, OF TYPES SPECIFIED BELOW FOR DIFFERENT APPLICATIONS. ALL WIRE AND CABLE SHALL BEAR THE UNDERWRITERS' LABEL AND SHALL BE BROUGHT TO THE JOB IN UNBROKEN PACKAGES. WIRE SHALL BE COLOR CODED PER THE NEC OR LOCAL AUTHORITY.

CONDUIT

ALL ELECTRICAL WIRING MUST BE IN CONDUIT. CONDUIT SHALL BE RIGID GALVANIZED STEEL, SCHEDULE 40, INTERMEDIATE METALLIC CONDUIT (IMC), ELECTRICAL METALLIC TUBING (EMT), LIQUIDTIGHT FLEXIBLE METAL OR FLEXIBLE METAL CONDUIT AS REQUIRED BY THE NEC AND LOCAL CODES.

GROUNDING

PROVIDE A CODE SIZED GROUND WIRE IN ALL CONDUITS. ACCEPTABLE MANUFACTURERS: THE FOLLOWING IS A LIST OF MANUFACTURERS WHOSE EQUIPMENT IS ACCEPTABLE AS TO MANUFACTURE, SUBJECT TO CONFORMANCE WITH THE DRAWINGS, SPECIFICATIONS AND APPROVAL FROM THE ENGINEER. CHECKING MUST BE MADE TO VERIFY THAT THE EQUIPMENT WILL MEET ALL CAPACITIES, REQUIREMENTS, SPACE ALLOCATIONS, AND THAT THE WEIGHTS ARE NOT EXCESSIVE.

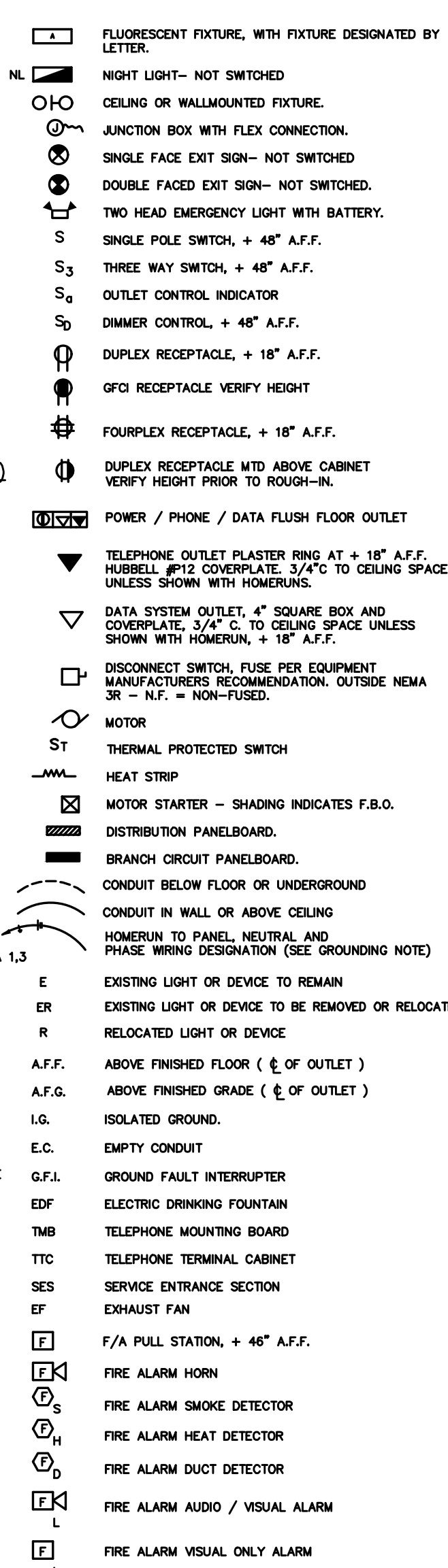
ACCEPTABLE FUSE EQUIVALENTS

Table with columns: UL CLASS, VOLT, DESCRIPTION, RUSSMAN, RELIANCE, SHANNUTT, LITTLEFUSE. Rows include RT, RKT, RKS, L, L(A), L(B), KT, RKT(B), RKT(C), J, T, T(A).

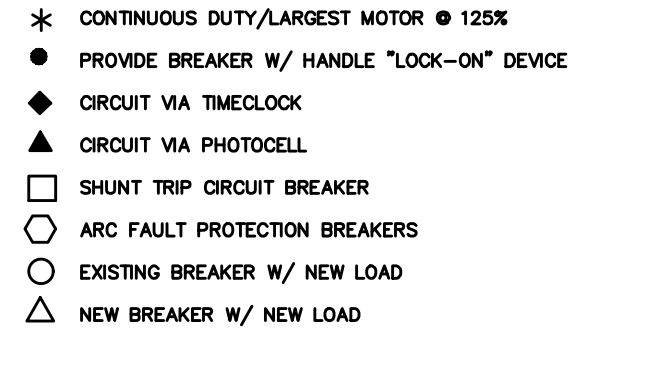
NOTE: FUSES NOT LISTED ABOVE MUST BE APPROVED BY DESIGNER/ENGINEER.

ELECTRICAL SYMBOLS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT



PANELBOARD SYMBOLS



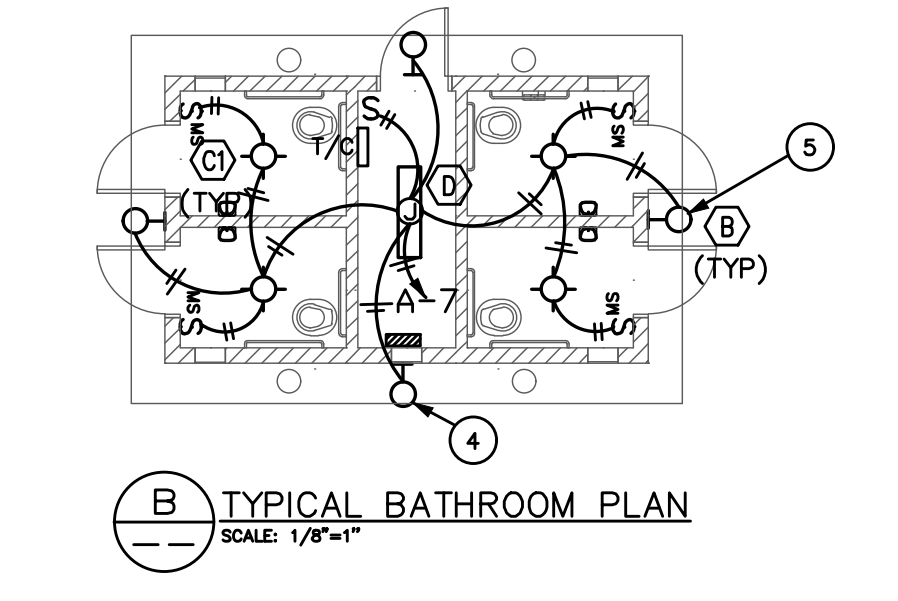
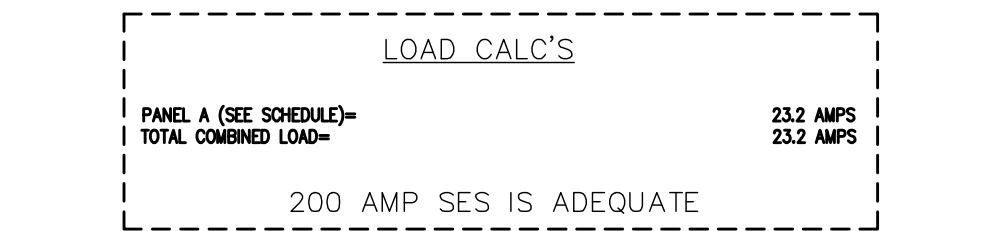
PANEL SCHEDULE table with columns: PANEL, A, SCHEDULE. Rows include MAINS, LOAD-VA, LOCATION, MOUNTING, MIN. A.I.C., and various circuit descriptions like PAVILION OUTLETS, PAVILION LIGHT, REST ROOM LIGHTING, etc.

SERIES RATED EQUIPMENT NOTES: (SEE CALC'S BELOW)

- 1. LIGHTING & APPLIANCE BRANCH CIRCUIT BREAKERS ARE SERIES RATED WITH REMOTE MAIN FUSES IN ACCORDANCE WITH UL-489.
2. SWITCHBOARD COMPONENTS, INCLUDING OVERCURRENT PROTECTIVE DEVICES SHALL BE FULLY RATED FOR THE AVAILABLE FAULT CURRENT SHOWN.
3. PER NECARTICLE 110-22 PROVIDE IDENTIFICATION AT ENCLOSURE OF PANEL BOARDS WHERE BREAKERS ARE APPLIED IN SERIES COMBINATION. STATING: CAUTION- SERIES RATED COMBINATION SYSTEM-SEE CALC'S BELOW AMPERES. IDENTIFY REPLACEMENT COMPONENTS REQUIRED.
4. PRE NEC 230.83 (c), PROVIDE IDENTIFICATION AT EACH DISCONNECTING MEANS FEEDING DOWN STREAM DEVICES APPLIED IN SERIES COMBINATION. STATING: CAUTION-SERIES RATED DEVICES ARE FED FROM THIS REMOTE MAIN. SEE CALC'S BELOW AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENT REQUIRED. (CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON THE ONE LINE DIAGRAM).
5. THE SERIES RATED SYSTEM WILL BE 2-TIER WITH DEVICES RATED @ NA / NA FOR 480V, @ 22 / 10 FOR 240V.
6. SERIES RATINGS SHALL NOT BE USED WHERE:
A. MOTORS CONNECTED BETWEEN SERIES RATED DEVICES AND
B. SUM OF MOTOR FULL CURRENT EXCEEDS 1% OF INTERRUPTING RATING OF LOWER-RATED CIRCUIT BREAKERS.
7. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER AND THE ELECTRICAL INSPECTOR.
8. A.I.C. RATING SHOWN AT PANEL BOARDS IS MINIMUM RATING FOR OVERCURRENT PROTECTIVE DEVICES. EACH DEVICE SHALL BE FULLY RATED OR SERIES RATED WITH UPSTREAM DEVICES AT AVAILABLE FAULT CURRENT, AS SHOWN ON THE ONE LINE DIAGRAM.

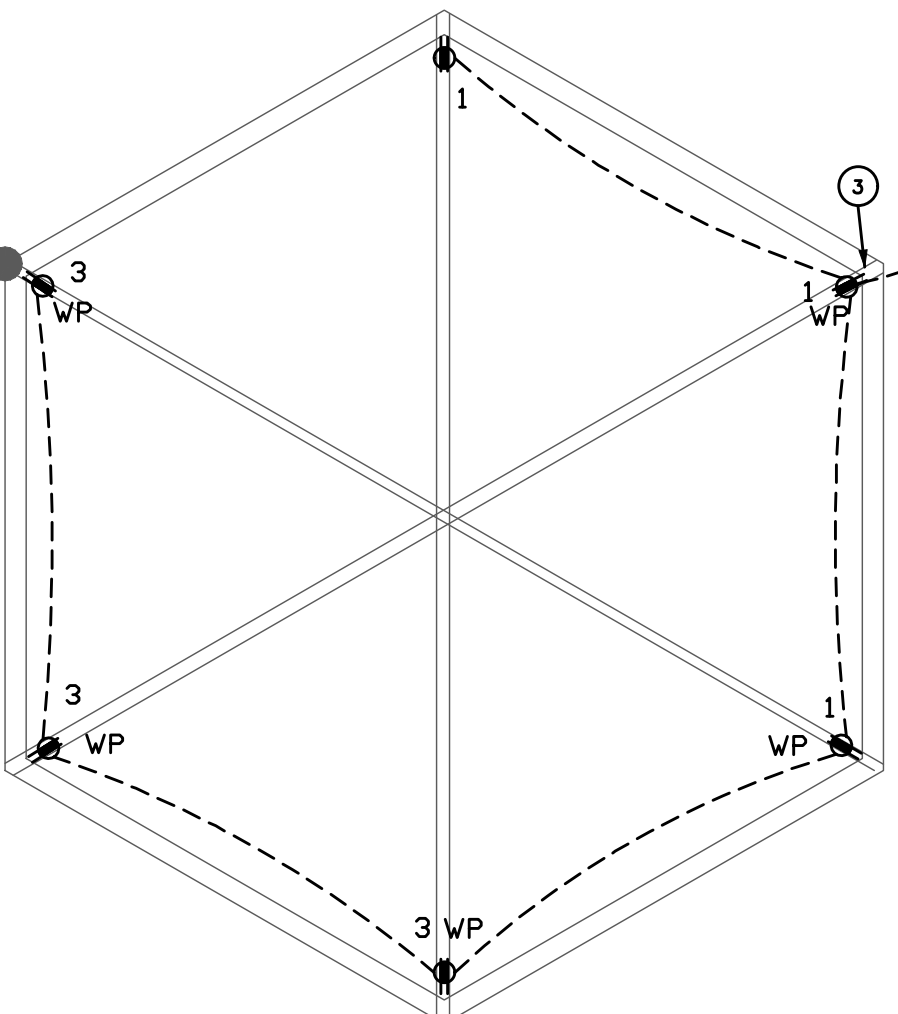
FAULT CURRENT CALC.

FAULT #1 (AT PANEL A)
F = (2 X L X I) / (C X E) = (2 X 6' X 14318) / (12844 X 240) = .056
M = 1 / (1 + F) = 1 / (1 + .056) = .947
Isco = I X M = 14318 X .947 = 13559 AMPS
FAULT #2 (AT TIME CLOCK)
F = (2 X L X I) / (C X E) = (2 X 12' X 13559) / (617 X 240) = 2.2
M = 1 / (1 + F) = 1 / (1 + 2.2) = .31
Isco = I X M = 13559 X .31 = 4203 AMPS

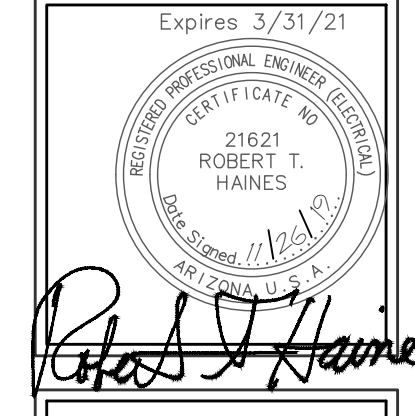
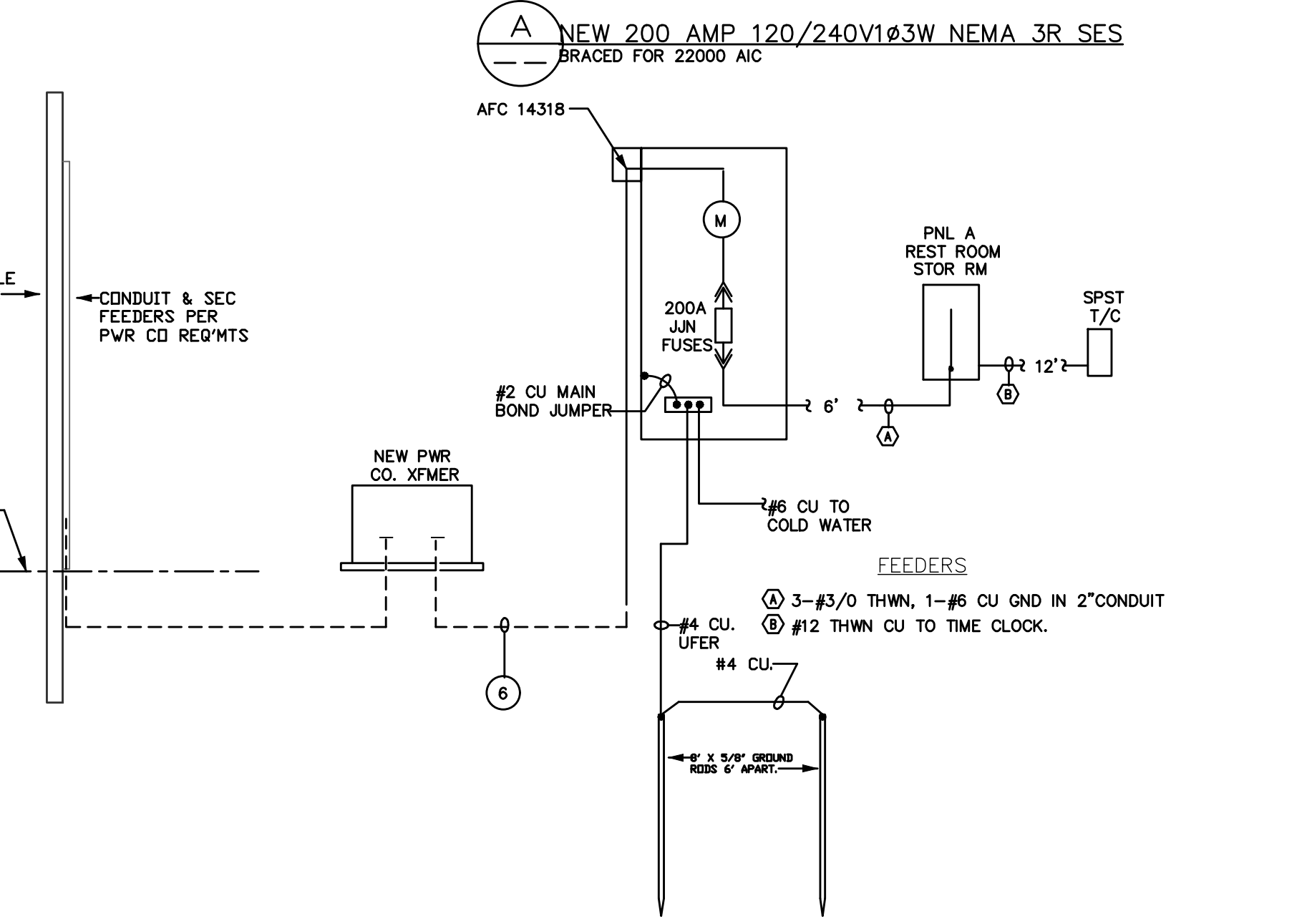
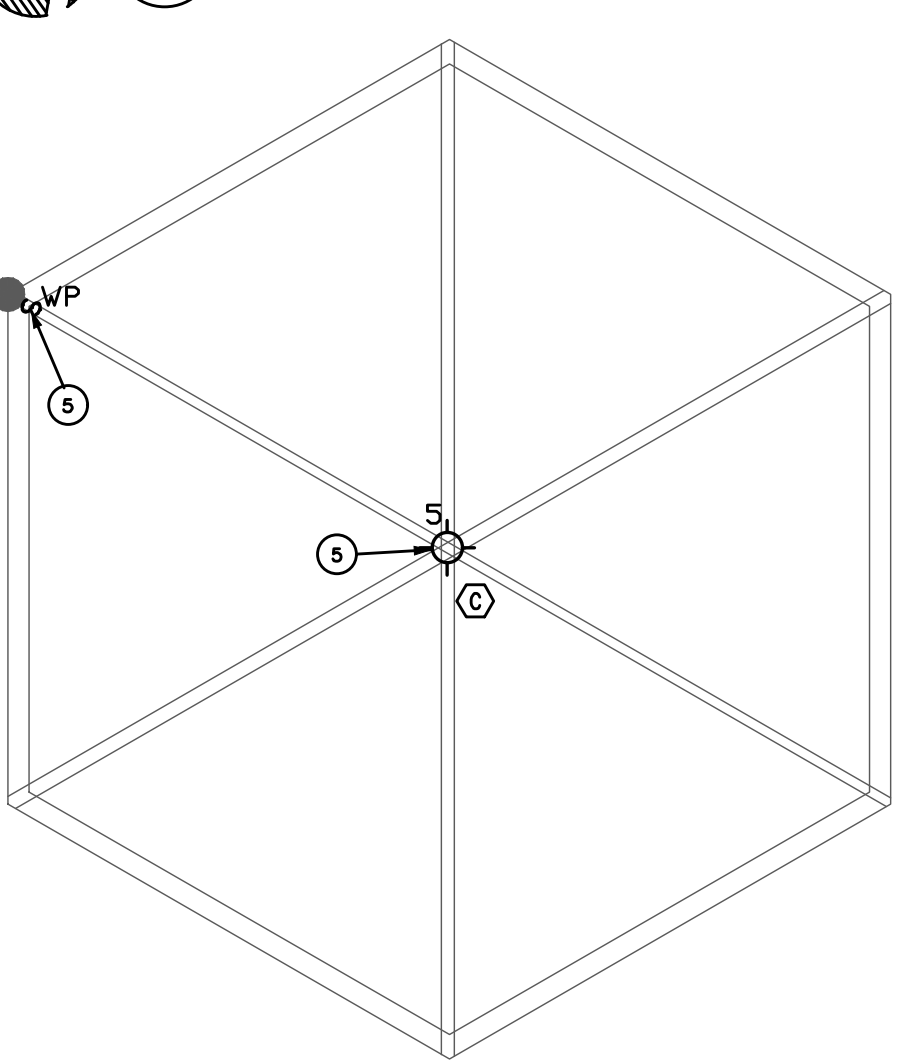


GENERAL NOTES:

- 1. USE 7-#12 THWN CU. IN 3/4" C. FOR PAVILION CIRCUITRY.
2. USE STRUCTURE AS RACEWAY FOR CIRCUIT CONDUCTORS FOR BOTH THE WP GFCI OUTLETS & LIGHTING FIXTURES (TYP).
3. VERIFY ROUGH-IN REQ'TS WITH STRUCTURAL DRAWINGS FOR THE PAVILION IN RESPECT OF ENTERING STRUCTURE FRAMING.
4. MOUNT CENTER EXTERIOR FIXTURE ON SIDE OF BUILDING (FACING THE WALKWAY).
5. ALL EXTERIOR FIXTURES TO BE CONTROLLED WITH INDIVIDUAL PHOTO CELLS. PAVILION TO HAVE A SWITCH OVERIDE TO CONTROL PAVILION LIGHTING WHEN NOT IN USE.
6. PROVIDE CONDUIT TO NEW 200 AMP SERVICE AS DIRECTED BY POWER COMPANY AFTER THE DESIGN OF PROJECT.



TYPICAL PAVILION LIGHTING PLAN



LOWER SITE PLAN GOLDWATER LAKE
DAY USE AREA
APN 104-09-001

REVISONS:
DATE:
DRAWN BY:
CHECKED BY:
JOB NO.:

SHEET NO. E-2

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