

ELECTRICAL SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

NOTES (PER CITY OF GLENDALE):
 1. BASE OF LIGHT POLE TO BE PAINTED TO MATCH OR COMPLEMENT BUILDING.
 2. TRANSFORMER TO BE PAINTED TO MATCH OR COMPLEMENT BUILDING. ENSURE TRANSFORMER DETAILS ARE VISIBLE ON BOX AND NOT OBSCURED FOR EASE OF SERVICING.

- GENERAL NOTES - SITE**
- REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COMPLETE CONTRACTUAL OBLIGATIONS.
 - ELECTRICAL CONTRACTOR SHALL CONTACT TELEPHONE COMPANY REGARDING EXACT LOCATION OF ALL PRIMARY SERVICE EQUIPMENT, TRENCH LOCATION, ETC.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TELEPHONE TRENCHING, BACKFILL, AND CONDUIT STUBS INTO TRENCH AS REQUIRED BY TELEPHONE COMPANY AND TO THEIR SPECIFICATIONS.
 - ALL WIRING FOR OUTSIDE LIGHTING SHALL BE A MINIMUM OF #10 COPPER WITH TYPE THWN INSULATION, RUN UNDERGROUND CIRCUITS IN P.V.C. AND PROVIDE A #10 COPPER BOND IN ADDITION TO CIRCUIT CONDUCTORS. UNDERGROUND WIRING SHALL COMPLY WITH APPLICABLE CODES OF THE NEC.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY SECONDARY CONDUCTORS, POWER TRENCHING, BACKFILL AND CONCRETE PADS FOR TRANSFORMERS AND SERVICE EQUIPMENT. ADDITIONALLY PROVIDE CONDUIT STUBS INTO TRENCH PER POWER COMPANY SPECIFICATIONS AND REQUIREMENTS.
 - ALL WIRING SHALL BE COPPER. WIRING #4 AWG AND LARGER SHALL BE XHHW TYPE INSULATION.

- UTILITY COMPANY NOTES**
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH SERVING UTILITY COMPANY AND THEIR SPECIFIC REQUIREMENTS WITHIN (5) DAYS OF AWARD OF CONTRACT.
 - PROVIDE SERVING UTILITY COMPANY WITH ONE (1) FULL SET OF PLANS INCLUDING SITE PLAN, ONE-LINE DIAGRAM, AND TOTAL LOAD SUMMARY.
 - CONFIRM ALL UTILITY COMPANY REQUIREMENTS PRIOR TO TRENCHING.
 - CONTRACTOR SHALL COORDINATE WITH SERVING UTILITY COMPANY IF AN UPGRADE IS REQUIRED TO UTILITY TRANSFORMER OR SECONDARY CONDUIT AND CONDUCTORS.
 - CONTRACTOR SHALL COORDINATE EXACT COSTS (PER AMP CHARGE, ECT.) OF ANY ADDITIONAL WORK WITH SERVING UTILITY COMPANY PRIOR TO START OF CONSTRUCTION.
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| <p>UTILITY COMPANY CONTACT
 Power Company:
 APS
 Representative:
 NEW CONSTRUCTION
 Telephone #:
 602-371-6767</p> | <p>PRIOR TO ANY GROUND EXCAVATION CALL
 BLUE STAKE
 (602) 263-1100
 (800) 782-5348</p> |
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- KEYED NOTES**
- NEW SERVICE ENTRANCE SECTION REFER ONE-LINE DIAGRAM, SHEET E2.0, FOR ADDITIONAL INFORMATION.
 - NEW PAD AND NEW PAD MOUNTED TRANSFORMER. VERIFY EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH SERVING UTILITY COMPANY.
 - NEW UNDERGROUND SECONDARY CONDUITS REFER ONE-LINE DIAGRAM, SHEET E2.0, FOR QUANTITIES.
 - NEW UNDERGROUND PRIMARY CONDUITS TO UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE EXACT QUANTITY AND SIZE WITH UTILITY CO.
 - APPROXIMATE LOCATION OF 4"x8"x3/4" PLYWOOD TELEPHONE MOUNTING BOARD WITH (1) #6 GROUND TO DESIGNATED SERVICE ENTRANCE GROUND BUS. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
 - PROVIDE (3) 4" UNDERGROUND COMMUNICATION SYSTEM EMPTY CONDUITS WITH PULLSTRING AND RIGID STEEL BENDS PER TELEPHONE COMPANY. COORDINATE EXACT TRENCHING, ROUTING AND POINT OF TERMINATION WITH TELEPHONE COMPANY.
 - PROVIDE WEATHERPROOF JUNCTION BOX FOR CONNECTION TO IRRIGATION CONTROLLER. VERIFY LOCATION WITH LANDSCAPE PLANS PRIOR TO ROUGH-IN.
 - ROUTE CIRCUIT VIA DIMMING LIGHTING RELAY CONTROL PANEL TO COMPLY WITH 2018 IECC EXTERIOR LIGHTING CONTROL REQUIREMENTS.
 - W.P. J.BOX WITH (1) 3/4" UNDERGROUND EMPTY CONDUIT TO BE STUBBED INTO BUILDING FOR FUTURE BUILDING SIGNAGE. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. CIRCUIT CONTROLLED VIA LIGHTING RELAY CONTROL PANEL. PROVIDE TOGGLE SWITCH IN WEATHERPROOF ENCLOSURE AS DISCONNECTING MEANS PER NEC 600.6.
 - W.P. J.BOX WITH (2) 3/4" UNDERGROUND EMPTY CONDUITS FOR FUTURE MENU BOARD TO BE STUBBED INTO BUILDING FOR FUTURE CONNECTIONS. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
 - J.BOX WITH (1) 3/4" EMPTY CONDUIT FOR FUTURE TENANT SIGNAGE TO BE STUBBED INTO BUILDING FOR FUTURE CONNECTIONS. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

- NOTE:
- ALL 120V 20A RECEPTACLE CIRCUITS LONGER THAN 125'-0" SHALL BE #10 CU. IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
 - ALL 120V 20A RECEPTACLE CIRCUITS LONGER THAN 160'-0" SHALL BE #8 CU. IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
 - ALL 120V 20A RECEPTACLE CIRCUITS LONGER THAN 240'-0" SHALL BE #6 CU. IN 1" CONDUIT UNLESS NOTED OTHERWISE AND REDUCE TO #8 CU. AT THE CIRCUIT BREAKER.
 - ALL 120V 20A RECEPTACLE CIRCUITS LONGER THAN 370'-0" SHALL BE #4 CU. IN 1" CONDUIT UNLESS NOTED OTHERWISE AND REDUCE TO #8 CU. AT THE CIRCUIT BREAKER.

NOTE:
 PRE-CURFEW DESIGN HOURS SHALL BE DESIGNED AS DUSK TO 10:00PM AND POST-CURFEW DESIGN HOURS SHALL BE DEFINED AS 10:00PM UNTIL DAWN. ALL EXTERIOR LIGHTS SHALL BE DIMMED BY 50% DURING POST-CURFEW TO COMPLY WITH IECC 2018 C406.2.5. EXTERIOR LIGHTING CONTROLS.

- NOTES:
- REFER TO SHEET ES2.0 FOR SITE LIGHTING FIXTURE SCHEDULE.
 - REFER TO SHEET E1.0 FOR EXTERIOR EMERGENCY EGRESS FIXTURE LOCATIONS.

DESIGN CODES
 IECC, 2018 NEC, 2017

ELECTRICAL CONTRACTOR SHALL NOTIFY DESIGNER/ENGINEER PRIOR TO ANY DEVIATION FROM THIS SET OF ELECTRICAL DESIGN PLANS. ANY CHANGES TO THE DESIGN, IF APPROVED BY ENGINEER, WILL REQUIRE REVISIONS TO PLANS AND POSSIBLE ADDITIONAL SERVICE FEE.

Project Contact/Designer: **MINDY ADLER**
 Project # 24148

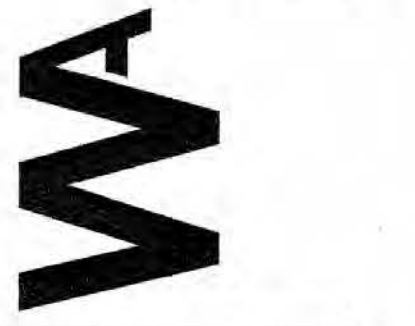
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All concrete, design and data indicated on these drawings are the sole property of the Hawkins Design Group Inc. and shall not be used for any other purpose other than originally intended without written permission of the engineer.

IF DRAWING IS NOT PLOTTED AT 24 X 36 THEY ARE NOT FULL SIZE



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A NEW BUILDING FOR: KIWAMI ON BELL
 5327 W. BELL ROAD
 GLENDALE, ARIZONA 85306
 LOGOS BUILDERS SOUTHWEST

job no. 24114
 drawn MA
 approved AG
 date 7/13/24

revisions

ES1.0