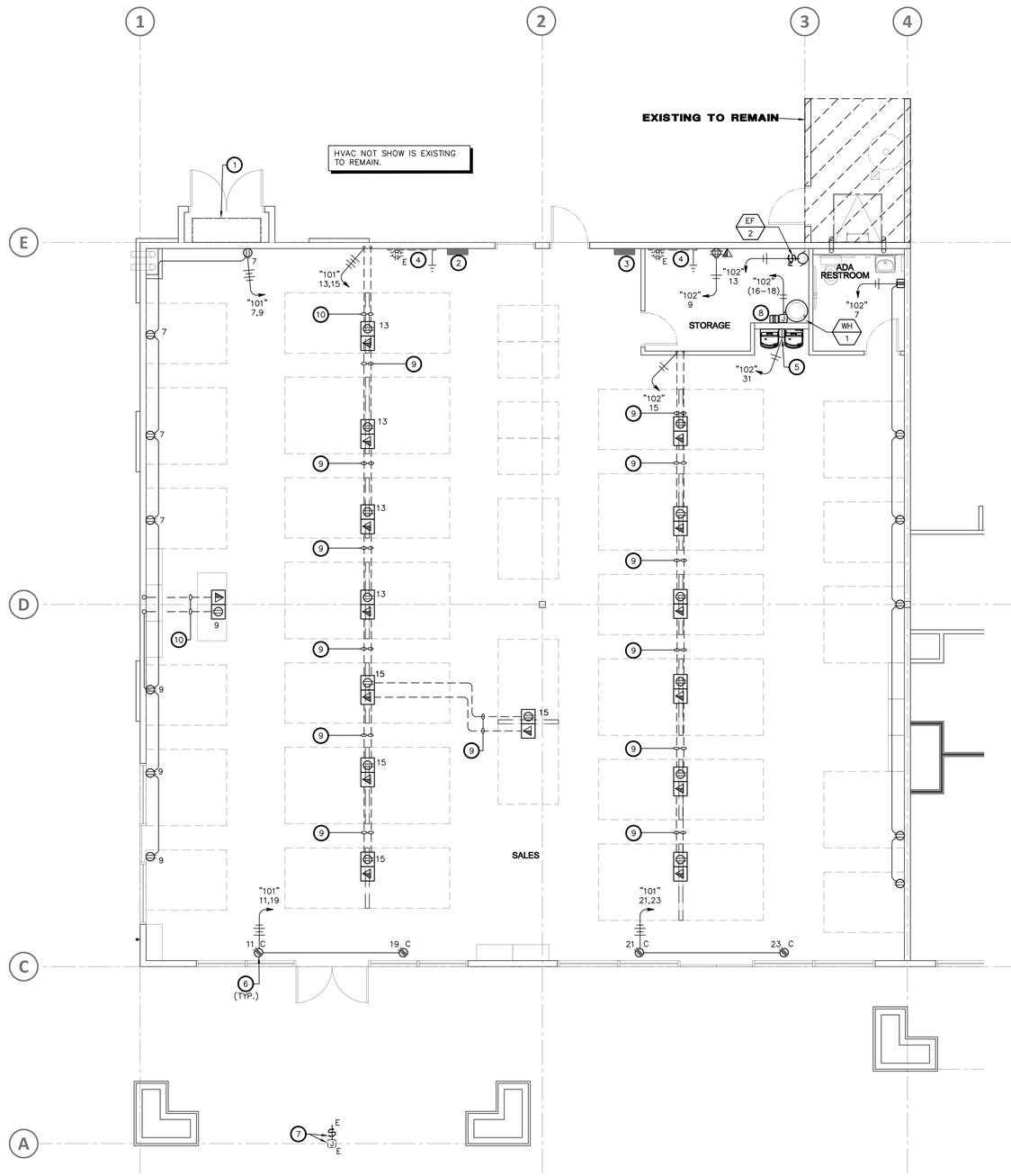

ELECTRICAL POWER PLAN

3/16" = 1'-0"

N

GENERAL NOTES - POWER

1. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND COMPLETE CONTRACTUAL OBLIGATIONS.
2. THE ELECTRICAL CONTRACTOR SHALL (PRIOR TO HIS BID) a) VISIT THE SITE AND FIELD VERIFY ALL EXISTING CONDITIONS AND b)TAKE ALL CONSIDERATIONS INTO ACCOUNT AT THE TIME OF BID. NO ADDITIONAL CONSIDERATIONS WILL BE GRANTED THE CONTRACTOR AFTER THE BID IS ACCEPTED.
3. ALL ELECTRICAL METALLIC TUBING (EMT), RIGID NON–METALLIC CONDUIT, FLEXIBLE METALLIC CONDUIT, FLEXIBLE NON–METALLIC CONDUITS, "SEALTIGHT" TYPE CONDUITS AND ALL OTHER CONDUITS THAT DO NOT CONTAIN A CODE SIZED GROUND WIRE SHALL HAVE A CODE SIZED BOND WIRE PER NEC TABLE 250.122 INSTALLED WITH THE CIRCUIT CONDUCTORS.
4. RECEPTACLES LOCATED WITHIN 6'–0" OF SINKS OR WATER SHALL BE CONNECTED EITHER TO A GROUND FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER OR TO A GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPT.
5. PRIOR TO ROUGH–IN, THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL WIRING DEVICES TO INCLUDE MOUNTING HEIGHTS AND LOCATIONS. ALL CONFLICTS SHALL BE REPORTED TO THE ENGINEER/ARCHITECT.

KEYED NOTES

1. EXISTING SES TO REMAIN.
2. EXISTING PANEL "101" TO REMAIN.
3. EXISTING PANEL "102" TO REMAIN.
4. EXISTING TMB TO REMAIN.
5. PROVIDE SINGLE RECEPT. FOR EDF POWER WITH GFCI CIRCUIT BREAKER TO COMPLY WITH NEC 422.5 READILY ACCESSIBLE REQUIREMENT. PROVIDE MOTOR–RATED SWITCH AS DISCONNECTING MEANS WHEN HARD–WIRED EDF POWER CONNECTION IS REQUIRED.
6. CONTRACTOR TO PROVIDE SHOW WINDOW 120V 20A RECEPTACLE(S) FOR EVERY 12 LINEAR FEET OF SHOW WINDOW MEASURED HORIZONTALLY PER NEC 210.62.
7. EXISTING W.P. JUNCTION BOX AND MOTOR RATED SWITCH MOUNTED ON BACKSIDE OF PARPET FOR TENANT SIGNAGE TO REMAIN.
8. PROVIDE 120V, 20A GFCI RECEPTACLE FOR 120V, FRACTIONAL HORSEPOWER CIRC PUMP. CIRCUIT TO "102–11".
9. PROVIDE (1) 3/4" C. FOR POWER AND (1) 1–1/2" EMPTY CONDUIT WITH PULLSTRING FOR TELE/DATA. SAW CUT EXISTING CONCRETE SLAB FOR NEW CONDUITS SHOWN. PATCH FLOOR TO MATCH EXISTING FINISH. VERIFY EXACT LOCATION PRIOR TO ROUGH–IN.

HVAC ELECT. REQUIREMENTS

● ELECTRICAL CONTRACTOR SHALL PROVIDE CORRECT SIZE/TYPE/VOLTAGE/QUANTITY OF DUAL–ELEMENT, TIME–DELAY FUSE(S) SIZED PER HVAC EQUIPMENT MANUFACTURER UNLESS OTHERWISE SPECIFIED BY UNIT NAMEPLATE/MANUFACTURER DATA.

◆ ALL CONDUCTORS SHALL BE IN ACCORDANCE WITH THE ELECTRICAL SYSTEM SPEC'S (3.2). ALL TAP CONDUCTORS SHALL MEET THE REQUIREMENTS OF NEC ARTICLE 240.21(B)(2). MAXIMUM TAP CONDUCTOR LENGTH SHALL BE 25'–0" PER NEC ARTICLE 240 "FEEDER TAPS" AND "TRANSFORMER SECONDARY CONDUCTORS" AND SHALL NOT BE SMALLER THAN 1/3 THE AMPACITY OF THE FEEDER OCPD.

■ MOTOR–DRIVEN EQUIPMENT SHALL BE INSTALLED WITH OVERLOAD PROTECTION PER NEC ARTICLE 430 PART III AND MOTOR CONTROLLER REQUIREMENTS PER NEC ARTICLE 430 PART VII. ADJUSTABLE SPEED DRIVES SHALL PROVIDE MOTOR OVERTEMPERATURE PROTECTION PER NEC 430.126. MOTOR–DRIVEN AIR–CONDITIONING AND REFRIGERATING EQUIPMENT SHALL COMPLY WITH NEC ARTICLE 440.

EQUIPMENT INDICATED HERE SHALL BE LISTED TO THE APPROPRIATE U.L. LISTING FOR THE USE AND BEAR A NAMEPLATE WITH THIS INFORMATION. WHEN REQUIRED, ANY NON–COMPLIANT EQUIPMENT MUST BE MADE COMPLIANT AT THE OWNERS EXPENSE AND IS NOT A PART OF THIS WORK EFFORT.

	UNIT	VOLTS/ø	FULL LOAD AMPS		DISCONNECTING MEANS ● ■	CONDUCTORS/ CONDUIT ◆
✳	EF 1	120/1	FLA		MOTOR RATED SWITCH	(2)#12's Cu., (1)#12 Cu. E.G. – 3/4"C.
			0.62			
✳✳	EF 2	120/1	FLA		MOTOR RATED SWITCH	(2)#12's Cu., (1)#12 Cu. E.G. – 3/4"C.
			0.43			
	WH 1	208/1	kW		CIRCUIT BREAKER W/ LOCK–OFF DEVICE AS MEANS OF DISCONNECT	(2)#10's Cu., (1)#10 Cu. E.G. – 3/4"C.
			4.5			

✳ EXHAUST FAN TO BE TIED INTO LOCAL LIGHTING CIRCUIT AND CONTROLS.
✳✳ EXHAUST FAN TO BE CONTROLLED VIA LINE VOLTAGE THERMOSTAT. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

DESIGN CODES
IECC: 2024 NEC: 2023

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.

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IF DRAWING IS NOT PLOTTED AT 24x36 THEY ARE NOT FULL SIZE

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Registered Professional Engineer (Electrical) CERTIFICATE NO. 52649 ARMANDO GARCIA Date Signed 07/20/26 ARIZONA, U.S.A.

DATE : 05-08-26

07/20/26	CITY COMMENTS

ELECTRICAL POWER PLAN

NOTICE OF ALTERNATE BILLING OR PAYMENT CYCLE: THIS CONTRACT MAY ALLOW THE OWNER TO REQUIRE THE SUBMISSION OF BILLINGS OR ESTIMATES IN BILLING CYCLES OTHER THAN THIRTY DAYS. THIS CONTRACT MAY ALLOW OWNER TO MAKE PAYMENT ON SOME ALTERNATIVE SCHEDULE AFTER CERTIFICATION AND APPROVAL OF BILLING AND ESTIMATES. A WRITTEN DESCRIPTION OF SUCH OTHER BILLING CYCLE APPLICABLE TO THE PROJECT IS AVAILABLE FROM OWNER OR DESIGNATED AGENT:
NAME:
ADDRESS
ADDRESS
CONTACT: Name
PHONE:

BROOKLYN BEDDING
PAD 5B - SUITES #1 AT PASEO LINDO SHOPPING CENTER
NEC OF ARIZONA AVE AND OCOTILLO RD.
CHANDLER, AZ

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[redacted]

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drawn by: MM
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E2.0

project #: 26102.00