

NOTES: 1. EXISTING TO REMAIN IS SHOWN WITH LIGHT LINES.
2. NEW WORK IS SHOWN WITH SOLID HEAVY LINES.
3. DEMOLITION IS SHOWN WITH HEAVY DASHED LINES.
4. ALL DIMENSIONS ARE CENTERLINE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED

	EQUIPMENT DESIGNATION -TOP DESIGNATES EQUIPMENT ABBREVIATION, -BOTTOM DESIGNATES EQUIPMENT NUMBER		ELEVATION DESIGNATION
			REVISION REFERENCE
			GENERAL OR SHEET NOTES REFERENCE
	PLAN CONTINUATION REFERENCE		POINT OF NEW CONNECTION TO EXISTING
	SECTION DESIGNATION (TOP DESIGNATES SECTION NUMBER, BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS)		MATCHLINE DESIGNATION
	DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=DRAWING NO. SHOWN ON)		

E/15B-6 DETAIL REFERENCE

	MOTOR		SURFACE JUNCTION BOX
	TRANSFORMER		SURFACE JUNCTION BOX - WALL
	PANELBOARD SURFACE MOUNTED		FLUSH JUNCTION BOX - CEILING
	PANELBOARD FLUSH MOUNTED		FLUSH JUNCTION BOX - WALL
	DISTRIBUTION PANELBOARD (NOT TO SCALE)		FLUSH JUNCTION BOX - FLOOR
	MOTOR CONTROL CENTER		RELAY - TYPE AS NOTED
	VARIABLE FREQUENCY DRIVE		KIRK KEY INTERLOCK
	AUTOMATIC TRANSFER SWITCH		NON-FUSED DISCONNECT SWITCH
	XX-XX		FUSED DISCONNECT SWITCH
	PANEL DIVISION ARROW		ENCLOSED CIRCUIT BREAKER
	PANEL DIVISION LINE		MAGNETIC MOTOR STARTER
	CABLE TAP BOX		COMBINATION MOTOR STARTER
	BUSWAY PLUG-IN UNIT		PUSH BUTTON
	REMOTE GENERATOR ANNUNCIATOR		PUSH BUTTON - DOUBLE
			GROUND CONNECTION
			REMOTE GROUND INDICATOR
			ROOM REFERENCE GROUND POINT
			AIR TERMINAL
			GROUND ROD
			GROUND ROD WITH TEST WELL

A-1,3,5 = PANEL AND CIRCUITS: PANEL A, CIRCUITS 1,3,5

○ UNSHADED REGION DESIGNATES LUMINAIRE FOR NORMAL OPERATION
● SHADED REGION DESIGNATES LUMINAIRE FOR LIFE SAFETY OPERATION
◐ SHADED REGION DESIGNATES LUMINAIRE FOR CRITICAL OPERATION

LUMINAIRE ID - SEE LUMINAIRE SCHEDULE

SUFFIX DESCRIPTION

E BATTERY PACK/INVERTER

^ ARROW ADDED TO LUMINAIRE SYMBOL TO INDICATE DIRECTION TOWARDS WHICH THE LUMINAIRE IS POINTED

— CIRCUIT/SWITCH

SMALL PROFILE LUMINAIRE
LIGHTING TRACK
 ◀ TRACK HEAD

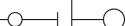
RECESSED



SURFACE MOUNTED



PENDANT/SUSPENDED



WALL MOUNTED LUMINAIRES



RECESSED



SURFACE MOUNTED



SINGLE HEAD
POLE LIGHT

DOUBLE HEAD
POLE LIGHT

QUAD HEAD
POLE LIGHT

PEDESTRIAN POLES/POST TOPS

BOLLARD OR GROUND MOUNTED LUMINAIRE

INGRADE-IN-SLAB LUMINAIRE

 SINGLE FACE  DOUBLE FACE  DIRECTIONAL
ARROW

EXIT SIGNS - WALL MOUNTED

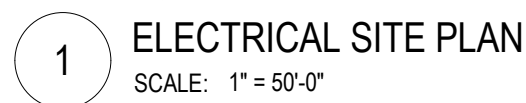
 SINGLE FACE  DOUBLE FACE  DIRECTIONAL
ARROW

 SINGLE HEAD

 DOUBLE HEAD

AC	- AMPERES	LAN	- LOCAL AREA NETWORK
	- ABOVE CEILING /	LED	- LIGHT EMITTING DIODE
	- ALTERNATING CURRENT	LI	- LONG-TIME/INSTANTANEOUS
ADO	- AUTOMATIC DOOR OPENER	LSI	- LONG-TIME/SHORT-TIME/
AF	- AMPERE FRAME	MD	- INSTANTANEOUS
AFCI	- ARC FAULT CIRCUIT	LSIA	- LONG-TIME/SHORT-TIME/
	- INTERRUPTER		- INSTANTANEOUS/GROUND
AFF	- ABOVE FINISHED FLOOR	ALARM	
AMP	- AMP INTERRUPTING CAPACITY	ALG	- LONG-TIME/SHORT-TIME/
ARCH	- ARCHITECTURAL	ALT	- INSTANTANEOUS/GROUND
ASC	- ABOVE SUSPENDED CEILING	LTCP	- LOCAL TEMPERATURE
AT	- AMPERE TRIP	LTG	- CONTROL PANEL
ATC	- ASTRONOMIC TIME CLOCK	LTS	- LIGHTING
ATS	- AUTOMATIC TRANSFER	LV	- LIGHTS
	- SWITCH		- LOW VOLTAGE
AUTO	- AUTOMATIC	MATV	- MASTER ANTENNA TELEVISION
BC	- BARE COPPER	MC	- MECHANICAL CONTRACTOR
BFC	- BELOW FINISH CEILING	MCB	- MAIN CIRCUIT BREAKER
BFL	- BELOW FLOOR LEVEL	MCC	- MOTOR CONTROL CENTER
BLDG	- BUILDING	MCP	- MOTOR CIRCUIT PROTECTOR
BP1P	- BOILER PLANT	MER	- MECHANICAL EQUIPMENT
			- ROOM
BRKR	- BREAKER	MH	- MANHOLE
		MI	- MICROPHONE
		MICRO	- MICROWAVE
C	- CONDUIT	MLO	- MAIN LUGS ONLY
CB	- CIRCUIT BREAKER	MPTB	- MUSIC & PAGE TERMINAL BOX
CC	- CIRCUIT CIRCUIT TELEVISION	MR	- MOTOR CIRCUIT BREAKER
CFI	- CONTRACTOR FURNISHED,	MTG	- MOUNTING
	- CONTRACTOR INSTALLED	MTG HGT	- MOUNTING HEIGHT
CLG	- CEILING	MT	- MOTOR / METER
CKT	- CIRCUIT	MV	- MEDIUM VOLTAGE
CO	- CONDUIT ONLY		
CONTR	- CONTRACTOR	NA	- NOT APPLICABLE
CORR	- CORRIDOR	NAC	- NOTIFICATION APPLIANCE
CR	- CONTROL RELAY		- CIRCUIT
CT	- CURRENT TRANSFORMER	NC	- NORMALLY CLOSED
		NEC	- NATIONAL ELECTRICAL CODE
DB	- DIRECT BURIAL	NO	- NOT IN CONTRACT
DC	- DIRECT CURRENT	NO	- NORMALLY OPEN
DED	- DEDICATED	NTS	- NOT TO SCALE
DET	- DETAIL		
DIA	- DIAMETER	OC	- ON CENTER
DISC	- DISCONNECT	OFC	- OWNER FURNISHED,
DN	- DOWN		- CONTRACTOR INSTALLED
DP	- DISTRIBUTION PANEL	OFOI	- OWNER FURNISHED, OWNER
DS	- DISCONNECT SWITCH		- INSTALLED
EC	- ELECTRICAL CONTRACTOR	P	- POLE
EDB	- ELECTRIC DUCT BANK	PA	- PUBLIC ADDRESS
EGC	- EQUIPMENT GROUND	PB	- PULL BOX / PUSHBUTTON
	- CONDUCTOR	PC	- PLUMBING CONTRACTOR /
EJS	- ENGINE GENERATOR SET	PH	- PHASE
EG	- EXPANSION JOINT	PDU	- POWER DISTRIBUTION UNIT
ELEC	- ELECTRIC / ELECTRICAL	PF	- POWER FACTOR
ELL	- EMERGENCY LIFE SAFETY	PH	- PHASE
	- LIGHTING	PLBG	- PLUMBING
ELP	- EMERGENCY LIFE SAFETY	PNI	- PANEL
	- POWER	POD	- POWER OPERATED DAMPER
EM/EMER	- EMERGENCY	PS	- POWER SUPPLY
EMI	- ELECTROMAGNETIC	PT	- POTENTIAL TRANSFORMER
	- INTERFERENCE	PTRV	- POWER TYPE ROOF
EMT	- ELECTRICAL METALLIC TUBING		- VENTILATOR
EQUIP	- EQUIPMENT	PWR	- POWER
ER	- EXISTING TO BE REMOVED		
ERL	- EXISTING TO BE RELOCATED	REC	- RECESSED
ERMS	- ENERGY-REDUCING	RECEP	- RECEPTACLE
	- MAINTENANCE SWITCH	REF	- REFRIGERATOR
ESM	- ELECTRIC STRIP MOLD	REL	- RELOCATED
EW	- ELECTRIC WATER COOLER	REQD	- REQUIRED
EX	- EXISTING TO REMAIN	RMC	- RIGID METAL CONDUIT
		RVAT	- REDUCED VOLTAGE AUTO
FA	- FIRE ALARM		- TRANSFORMER
FACP	- FIRE ALARM CONTROL PANEL		
FCU	- FAN COIL UNIT	SCOR	- SHORT CIRCUIT CURRENT
FDR	- FEEDER		- RATING
FDS	- FUSED DISCONNECT SWITCH	SHT	- SHEET
FXT	- FIXTURE	SIG	- SIGNAL
FL	- AT FLOOR LINE	SIM	- SIMILAR
FLA	- FULL LOAD AMPERES	SPD	- SURGE PROTECTIVE DEVICE
FLX	- FLEXIBLE	SPEC	- SPECIFICATION
FLR	- FLOOR	SSB	- SAFETY SWITCH
FLUOR	- FLUORESCENT	SSJ	- SUPPLY SIDE BONDING
FS	- FLOW SWITCH		- JUMPER
FSCP	- FLAME SAFEGUARD CONTROL	STA	- STATION
	- PANEL	STR	- STARTER
FVNR	- FULL VOLTAGE NON-	SW	- SWITCH
	- REVERSING	SWBD	- SWITCHBOARD
		SWGR	- SWITCHGEAR
GC	- GENERAL CONTRACTOR	TEL	- TELEPHONE
GE	- GROUNDING ELECTRODE	TEA	- TO FLOOR ABOVE
GEN	- GENERATOR	TFB	- TO FLOOR BELOW
GFA	- GROUND FAULT ALARM	TFB	- TAMPER SWITCH / TIME
GFCI	- GROUND FAULT CIRCUIT		- SWITCH
	- INTERRUPTER	TV	- TELEVISION
GFI	- GROUND FAULT INTERRUPTER	TVTC	- TELEVISION TERMINAL
GFP	- GROUND FAULT PROTECTION		- CABLE
GND	- GROUND		
GTB	- GROUND TERMINAL BOX	TYP	- TYPICAL
HH	- HANDHOLE	UC	- UNDER COUNTER
HOA	- HAND OFF AUTOMATIC	UG	- UNDERGROUND
HP	- HORSE POWER	UH	- UNIT HEATER
HT	- HEIGHT / HEAT TRACE	UNO	- UNLESS NOTED OTHERWISE
HV	- HIGH VOLTAGE	UPS	- UNINTERRUPTED POWER
IMC	- INTERMEDIATE METAL		- SUPPLY
	- CONDUIT	V	- VOLTAGE
INV	- INVERTER	VFD	- VARIABLE FREQUENCY DRIVE
		VP	- VAPOR PROOF
J or JB	- JUNCTION BOX	W	- WIRE
		WI	- WITH
KV	- KILOVOLT	WP	- WEATHERPROOF
KVA	- KILOVOLT-AMPERES	WS	- WALL SURFACE
KW	- KILOWATTS	WT	- WATER TIGHT
KWH	- KILOWATT HOURS		
		XFMR	- TRANSFORMER
		XP	- EXPLOSION PROOF

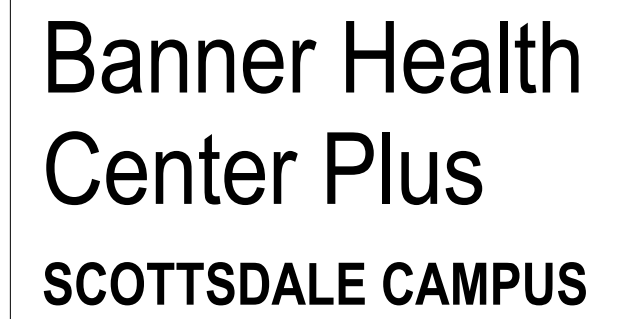
DRB_E0.01	ELECTRICAL SYMBOLS AND ABBREVIATIONS
DRB_E1.01	ELECTRICAL SITE PLAN
DRB_E1.02	ELECTRICAL LIGHTING PHOTOMETRICS
DRB_E1.03	ELECTRICAL SITE LIGHTING CUT SHEETS 1
DRB_E1.04	ELECTRICAL SITE LIGHTING CUT SHEETS 2
DRB_E1.05	ELECTRICAL SITE LIGHTING CUT SHEETS 3



C

- A. SITE LIGHT FIXTURE SHALL BE CONNECTED USING #210, 1#10G, IN 1" CONDUIT.
- B. SITE LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL. NORMAL AND EMERGENCY BRANCH SITE LIGHTING SHALL ALSO BE CONNECTED TO LIGHTING CONTROL PANEL. REFERENCE TO SEQUENCE OF OPERATIONS FOR HOURS OF OPERATION OVERRIDE.
- C. EXTERIOR LUMINAIRES SHALL MEET IESNA REQUIREMENTS FOR FULL CUTOFF AND SHALL BE AIMED DOWNWARD.
- D. LUMINAIRES SHALL BE RECESSED OR SHIELDED SO THE LIGHT SOURCE IS NOT DIRECTLY VISIBLE FROM PROPERTY LINE.
- E. THE MAXIMUM HEIGHT FROM FINISHED GRADE TO THE BOTTOM OF ANY EXTERIOR LUMINAIRE SHALL NOT EXCEED TWENTY (20) FEET.
- F. EXTERIOR LIGHT POLES, POLE FIXTURES, AND YOKES, INCLUDING BOLLARDS, SHALL BE A FLAT BLACK OR DARK BRONZE.
- G. PARKING LOT LIGHTING POLES AND BASES SHALL NOT BE PLACED IN THE TWO (2) FOOT PARKING STALL OVERHANG OR IN A PARKING STALL.
- H. PER CITY OF SCOTTSDALE EXTERIOR LIGHTING POLICY:
 - ALL LANDSCAPE LIGHTING DIRECTED UPWARD SHALL BE PAINTED BLACK. UTILIZE EXTENSION VISOR SHIELDS TO LIMIT VIEW OF LAMP SOURCE.
 - LANDSCAPE LIGHTING DIRECTED UPWARD SHALL BE ORIENTED AWAY FROM THE PROPERTY LINE AND RIGHTS-OF-WAY.
 - LANDSCAPE LIGHTING SHALL ONLY BE USED TO ACCENT PLANT MATERIAL.
- J. EXTERIOR LIGHTING LEVELS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE 8.0 FC EXCEPT WHERE PERMISSIBLE. I.E. CANOPY LIGHTING WHERE LIGHT SOURCE IS INTEGRATED INTO SOFFIT OF THE CANOPY.

- A. SITE LIGHT FIXTURE SHALL BE CONNECTED USING #2/10, IN 1" CONDUIT.
- B. SITE LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL. NORMAL AND EMERGENCY BRANCH SITE LIGHTING SHALL ALSO BE CONNECTED TO LIGHTING CONTROL PANEL. REFER TO SEQUENCE OF OPERATIONS FOR HOURS OF OPERATION OVERRIDE.
- C. EXTERIOR LUMINAIRES SHALL MEET IESNA REQUIREMENTS FOR FULL CUTOFF AND SHALL BE AIMED DOWNWARD.
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- J. EXTERIOR LIGHTING LEVELS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE 8.0 FC EXCEPT WHERE PERMISSIBLE. IE. CANOPY LIGHTING WHERE LIGHT SOURCE IS INTEGRATED INTO SOFFIT OF THE CANOPY.



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SEALS AND SIGNATURES

NOT FOR CONSTRUCTION

SHEET TITLE

ELECTRICAL SITE PLAN

PROJECT NUMBER	14303.000
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