

	ABBREVIA	TION	S INDEX
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
С	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	РВ	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	EXISTING	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV-KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VA/R	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	Ø	PHASE
MCM	1000 CIRCULAR MILLS		

SYMBOL LEGEND 12 COORDINATE WITH DOOR HARDWARE SUPPLIER 1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE. 13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, 2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR. MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED. 3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS. 14. ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION. 4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED. 15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE 5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V. INDICATED IN TAG 6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR. 16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR 7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED. IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT. 17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. 9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP 18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK. DRAWINGS AND ELEVATIONS FOR HEIGHT. 19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION. 10. SUBSCRIPT INDICATES NEMA CONFIGURATION. 20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY. 11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING. *TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS. STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS SYMBOL DESCRIPTION NOTES NOTES SYMBOL DESCRIPTION HEIGHT HEIGHT +72" 6. ONE CIRCUIT, HOME RUN TO PANEL EQUIPMENT PANEL, SEE DRAWINGS 2 CIRCUIT, HOME RUN TO PANEL CABLE TRAY AS NOTED +18" 6. 3 CIRCUIT, HOME RUN TO PANEL **GROUND BUS BAR** CONDUIT RUN CONCEALED IN WALL OR CEILING LIGHT FIXTURE (LETTER DESIGNATES TYPE) CONDUIT RUN CONCEALED IN FLOOR OR GROUND EQUIPMENT NUMBER CONDUIT UP ARCHITECTURAL ROOM NUMBER DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE CONDUIT DOWN SCHEDULE DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE CONDUIT STUB LOCATION CONDUIT SCHEDULE / LEGEND CONDUIT / CIRCUIT CONTINUATION LIGHTING ABOVE SEE DIAGRAM, CEILING LIGHT FIXTURE CEILING POWER PACK CEILING SPEC. DIGITAL ROOM CONTROLLER ABOVE SEE DIAGRAM, WALL LIGHT FIXTURE AS NOTED (SUBSCRIPT INDICATES NUMBER OF RELAYS) CEILING SPEC. ABOVE SEE DIAGRAM RECESSED DOWNLIGHT FIXTURE CEILING EMERGENCY LIGHTING CONTROL UNIT CEILING SPEC. THREE-WAY SWITCH +46" 2. 4. RECESSED WALL-WASH DOWNLIGHT FIXTURE CEILING +46" 2. 4. LIGHT FIXTURE AS NOTED FOUR-WAY SWITCH EGRESS LIGHT FIXTURE AS NOTED KEY OPERATED SWITCH +46" 2. 4. AREA LIGHT POLE AND FIXTURE CONCRETE • 1. 14. SEE DIAGRAM SWITCH WITH PILOT LIGHT +46" 2. 4. POST TOP LIGHT POLE AND FIXTURE CONCRETE 1. 14. SEE DIAGRAM VARIABLE INTENSITY SWITCH +46" 2. 4. BOLLARD BASE +46" 2. 4. STEP LIGHT FIXTURE AS NOTED TIMER SWITCH CONCRETE IN-GRADE LIGHT FIXTURE MOMENTARY CONTACT SWITCH +46" 2. 4. BASE LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES +46" FLOOD OR TRACK FIXTURE AS NOTED CONFIGURATION & CONTROL SEQUENCE) DIAGRAM, SPEC CEILING/ 1. 3. 8. DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR SEE DIAGRAM, CEILING / WALL MOUNTED EXIT LIGHT CEILING (PROVIDE WITH ALL PP AND ROOM CONTROLLERS) AS NOTED DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR 2. 4. SEE +46" EMERGENCY LIGHT FIXTURE AS NOTED (SUBSCIPT D = DIMMING AND DAYLIGHT CONTROL) DIAGRAM, SPEC. AS NOTED MOUNT AS PHOTO-ELECTRIC CONTROL COMBO EXIT / EMERGENCY LIGHT FIXTURE AS NOTED (LOCATE ON ROOF, FACE NORTH) PER MFR. CEILING SEE DIAGRAM, +60" 2. DIGITAL DAYLIGHT SENSOR TIME CLOCK COLOR LEGEND LIGHTING FIXTURES POWER DEVICES AUDIOVISUAL

POWER EQUIPMENT CABLE TRAY		FIRE ALARM CONDUIT		NURSECALL					
		LIGH	T FIXT	URE S	SCHEDU	LE			
			LIGHT FIXTU	RE ABBREVIATION	SCHEDULE		PROJECT MANA	AGER: DRAYTON E	BAILEY
A.F.F. WALL@C CCBA	ABOVE FINISH FLOOR ELG WALL MOUNT AT CORNER OF WALL AND CEILING CUSTOM PAINTED COLOR AS SELECTED BY THE ARC	HITECT		SCBA CFBA SFBA	STANDARD PAINTED C CUSTOM FINISH AS SE STANDARD FINISH AS S	LECTED BY THE ARCHIT	TECT		
			LIGHT F	FIXTURE GENERAL	NOTES				
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.									
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.									
3. F	REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTU	RE, FUSING, LED DRIVER	RS, AND LAMP REQ	UIREMENTS AND A	CCEPTABLE MANUFACTU	RERS.			
4. (CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FI	CTURES AND COMPARE	WITH DEPTHS SHO	WN ON SHOP DRA	WINGS. BRING ALL POTEN	ITIAL CONFLICT AREAS	TO THE ATTENTION OF TH	E ARCHITECT AND	ELECTRICA
	5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.								
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.									
7. \	WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC M	ODEL NUMBER AND THE	DESCRIPTION, NO	TIFY THE ELECTRIC	CAL ENGINEER AND/OR LI	GHTING DESIGNER.			
8. F	PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE	PROJECT AND SHALL BI	E SUBMITTED TO TH	HE ELECTRICAL EN	GINEER'S OFFICE AT LEA	ST (8) EIGHT WORKING	DAYS BEFORE THE BID. PR	IOR APPROVALS R	ECEIVED AF
9. F	REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (160	01, 16510 & 16551).							
10.	VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN	TEAM IE; ARCHITECT, E	NGINEER & LIGHTIN	NG CONSULTANT/D	ESIGNER WILL NOT BE AL	LOWED, REVIEWED OR	APPROVED.		
TYPE	DESCRIPTION		MFR.		CATALOG#		TOTAL WATTS	LAMP TYPE	DELIVE
EXF	EXISTING GENERATOR BACKED-UP AND ALWAY ON LUI EM BACKED-UP STATUS; TIE NEW EXIT SIGN INTO EXIS REQUIRED	,	EXISTING EM FIXTURE				<varies></varies>	LED	<varies< td=""></varies<>
X1G	UNIVERSAL EDGE-LIT EXIT SIGN; BRUSHED ALUMINUM PLASTIC END-CAPS, WITH HIGH GRADE ACRYLIC PANI SINGLE, DOUBLE; UNIVERSAL MOUNTING, SURFAC END-MOUNT; AC ONLY;	EL; UNIVERSAL FACE, E, RECESSED OR	EMERGI-LITE		PNG6		2 VA	LED	
X2G	THIN DIE-CAST ALUMINUM SLIM PROFILE LED EXIT SIGI BRUSHED ALUM. FACES; AC ONLY; UNIVERSAL MOUNT CEILING; SEE PLANS FOR ARROWS AND MOUNTING; PRINDICATED = "WG"	ING - WALL, SIDE, OR	EMERGI-LITE		BA-TX-UNV-G		2 VA	LED	

GENERAL NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
- SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL
- EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.

ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED

CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE	
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

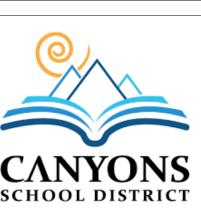
- THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
- PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
- CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY, CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.
- ALL CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES PARALLEL TO, OR AT RIGHT ANGLES TO, THE STRUCTURE OR ADJACENT BUILDING ELEMENTS. SEPARATIONS BETWEEN CONDUITS AND FASTENINGS OF CONDUITS SHALL BE NEAT AND CONSISTENT. CONDUIT SHALL BE INSTALLED AS TIGHT TO THE BOTTOM OF STRUCTURAL ELEMENTS WHEN PARALLEL TO JOISTS AS CODE WILL ALLOW. OVERALL INSTALLATION SHALL BE ACCOMPLISHED IN AN AESTHETIC AND WORKMANLIKE MANNER. NO CONDUITS SHALL BE ALLOWED TO RUN PERPENDICULAR TO THE BOTTOM CHORD OF THE JOISTS.
- DIVISION 26 SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
- BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK
- ELECTRICAL CONTRACTOR SHALL COORDINATE PROJECT PHASING WITH GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO GENERAL CONTRACTOR EXPECTATIONS.
- COORDINATE ELECTRICAL DEMOLITION WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH HEAD CUSTODIAN AND OWNER.
- WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR WILL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT
- WRITTEN PERMISSION OF THE OWNER. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF ELECTRICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK, GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING
- POSITIONING PRIOR TO CLOSING-IN THE BUILDING. COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE INSTALLATION OF ELECTRICAL EQUIPMENT AND MATERIALS. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.
- CONTRACTOR MUST CONCEAL ALL RACEWAY THROUGHOUT THE PROJECT. SURFACE MOUNT RACEWAY IS UNACCEPTABLE EXCEPT WHERE THE USE OF PAINTED SURFACE METAL RACEWAYS (EMT) IS APPROVED SOLEY BY THE ARCHITECT. PAINT TO MATCH SURROUNDING SURFACE.
- ALL CONCRETE CUT AND PATCH WORK REQUIRED FOR FLOOR BOXES INSTALLATION AND/OR RELOCATION OF ELECTRICAL DEVICES AND PANELS THAT REQUIRE WORK WITHIN THE FLOORS SHALL BE DONE BY ELECTRICAL CONTRACTOR. ALL CORE CUTTING FOR NEW SERVICE SHALL ALSO BE COVERED UNDER ELECTRICAL CONTRACTORS REQUIRED WORK.
- CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ALL WASTE, SURPLUS MATERIALS, RUBBISH OR DEBRIS WHICH IS CAUSED BY HIS EMPLOYEES OR RESULTING FROM HIS WORK. AFTER ALL EQUIPMENT AND DEVICES HAVE BEEN INSTALLED, REMOVE ALL LABELS, STICKERS, STAINS, TEMPORARY COVERS, ETC. IDENTIFICATION PLATES ON ALL EQUIPMENT.
- IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR.
- PROVIDE GFCI CIRCUIT BREAKERS SERVING RECEPTACLES PROVIDING POWER TO DRINKING FOUNTAINS. REFRIGERATORS, VENDING MACHINES, DISPOSALS, AND WASHING MACHINES.
- CAREFULLY REVIEW THE ENTIRE DRAWING PACKAGE PRIOR TO PROVIDING BID, INCLUDING THE
- ARCHITECTURAL AND MECHANICAL DRAWINGS. NOT REVIEWING THE ENTIRE SET IS NOT ACCEPTABLE. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS
- ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW. PROVIDE WEATHERPROOF, NEMA 3R RATED EQUIPMENT FOR ALL EXTERIOR APPLICATIONS.

SHEET INDEX

ELECTRICAL SYMBOLS AND NOTES

ELECTRICAL PLAN

F: 801.532.2305 www.bnaconsulting.com

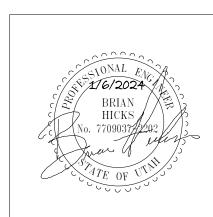


4225 Lake Park Blvd, Suite 275

West Valley City, UT 84120

P: 801.532.2196





REVISIONS					
MARK	DATE	DESCRIPTION			

DATE:	1/6/2025
PROJECT NO:	24362
DRAWN BY:	BNA
CHK'D BY:	BH/DSB

ELECTRICAL SYMBOLS AND

SHEET KEYNOTES

- EXISTING EXIT SIGN LOCATION [TRITIUM STYLE IN MANY INSTANCES]. REMOVE AND DISPOSE OF EXIT SIGN COMPLETELY. PROVIDE NEW EXIT SIGN AS SHOWN [FIELD VERIFY INSTALLATION TYPE E.G. CEILING OR WALL]. WIRE NEW EXIT INTO NEARBY ALWAYS ON EMERGENCY CIRCUIT. MATCH CURRENT WIRING STANDARD [MINIMUM #12 CU].
- NEW REQUIRED EXIT SIGN LOCATION. PROVIDE NEW EXIT SIGN AS SHOWN [FIELD VERIFY INSTALLATION TYPE E.G. CEILING OR WALL]. WIRE NEW EXIT INTO NEARBY ALWAYS ON EMERGENCY CIRCUIT. MATCH CURRENT WIRING STANDARD [MINIMUM #12 CU].

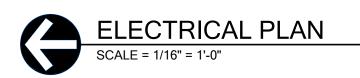
GENERAL NOTES

- DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS. FIXTURE LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECTRICAL FIXTURES, DEVICES, EQUIPMENT, CIRCUITING AND/OR CIRCUITING AND/OR CONDUITS ARE NOT SPECIFIED UNLESS NOTED ON DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITIONS MUST BE VERIFIED WITHOUT EXCEPTION.
- DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING, FIRE ALARM AND SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE
- DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD SCHEDULES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.

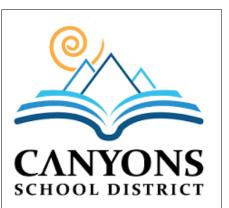
OF THE REMODELED AREA.

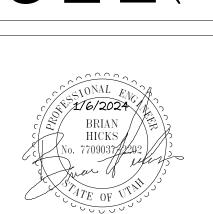
- CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC. EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE
- SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
- REMOVE EXISTING EXIT SIGNS WHICH ARE NOT TO BE REUSED, PLACE IN CARTON, LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
- 10. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
- 1. CONTRACTOR IS TO PROTECT IN PLACE ALL MECHANICAL, PLUMBING, ELECTRICAL ABOVE CEILINGS. THIS MAY INCLUDE BUT NOT LIMITED TO: NETWORK CABLING, COAX CABLING, CONDUITS, PIPING, DUCTWORK, ETC. PROVIDE ADDITIONAL CABLING SUPPORTS AS REQUIRED FOR ANY UNSUPPORTED CABLING, RACEWAY, ETC.
- . WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH
- 13. COORDINATE THE DEMOLITION, PATCH, AND REPAIR OF CEILING FOR ALL LIGHTING AND ELECTRICAL APPARATUSES IN THIS AREA. DISCONNECT AND RE-CONNECT AS REQUIRED TO MAINTAIN ALL SYSTEMS.
- 14. DEVICES NOTED WITH SUBSCRIPT '(E)' DENOTES THE DEVICES ARE EXISTING AND TO REMAIN UNTOUCHED DURING DEMOLITION, UNLESS OTHERWISE NOTED.
- 5. CIRCUIT #S, IF SHOWN, ARE FROM RECORD DRAWING AND SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS PRIOR TO WORK.





4225 Lake Park Blvd, Suite 275 ද් West Valley City, UT 84120 P: 801.532.2196 F: 801.532.2305 www.bnaconsulting.com





DATE: 1/6/2025 PROJECT NO: 24362 BIM LEAD

CHK'D BY:

ELECTRICAL PLAN