



- ### ELECTRICAL GENERAL NOTES:
- REFER TO DRAWINGS EP6.1 AND EP6.2 FOR ELECTRICAL SCHEDULES. PERMANENT NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME. REFER TO SPECIFICATIONS.
 - "NL" INDICATES LUMINAIRE IS UNSWITCHED FOR NIGHT LIGHT.
 - "SE" INDICATES LUMINAIRE IS SWITCHED/CONTROLLED DURING NORMAL OPERATION AND OPERATES FROM EMERGENCY CIRCUIT UPON LOSS OF POWER.
 - SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT OR SUPPLIED WITH AN EMERGENCY BATTERY PACK.
 - (B#) PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF RAISE/LOWER AND SWITCHING ON/OFF FOR MULTIPLE SCENES AS INDICATED ON SHEETS. COORDINATE QUANTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER.
 - VACANCY/OCCUPANCY SENSOR LAYOUT: SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.
- LUMINAIRE KEY:**
F1 = FIXTURE TAG
T = CIRCUIT NUMBER
S = SWITCH DESIGNATION
NL = SUBSCRIPT (IF APPLICABLE)
Z = ZONE DESIGNATION
- *IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL
- DEVICE KEY:**
A = MOUNTING (IF APPLICABLE)
1 = CIRCUIT NUMBER
- *IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1
- ELECTRICAL MOUNTING SUBSCRIPT KEY:**
A MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPASH
C MOUNT AT CEILING
H MOUNT ORIENTED HORIZONTALLY
L MOUNT IN CASEWORK
M MOUNT IN MODULAR FURNITURE
R MOUNT IN SURFACE RACEWAY
EWC ELECTRIC WATER COOLER

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	GB	26 05 26	GROUND BUS
	ECONN	26 05 33	ELECTRICAL CONNECTION
	JB	26 05 33	JUNCTION BOX
	SC-IO-W	27 15 00	TECHNOLOGY INFORMATION OUTLET. INCLUDE CAT 6 CABLE IN 3/4" CONDUIT TO DATA EQUIPMENT BOARD IN MECHANICAL 106. C# DENOTES CABLE AND JACK QUANTITY.
	PANEL #####	26 24 16	PANELBOARD - RECESS MOUNT
	PANEL #####	26 24 16	PANELBOARD - SURFACE MOUNT
	MX-#MS-# /CB-#CS-#	26 24 19	MANUAL SWITCH / STARTER / COMBINATION STARTER / CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE
	TR-#/DTR-#	26 22 00	TRANSFORMER. REFER TO TRANSFORMER SCHEDULE
	CB-#	26 28 16	CIRCUIT BREAKER - SURFACE MOUNTED. REFER TO DISC/STA SCHEDULE
	CB-#	26 28 16	CIRCUIT BREAKER - FLUSH MOUNTED. REFER TO DISC/STA SCHEDULE
	DS-#/FDS-#/DSS-#	26 28 16	DISCONNECT. REFER TO DISC/STA SCHEDULE
	M		SECURITY MOTION DETECTOR WITH WIRING IN CONDUIT.
	D		SECURITY DOOR CONTACT WITH WIRING IN CONDUIT. COORDINATE ROUGH-IN WITH DOOR CONTRACTOR.

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
			WALL SCONCE LUMINAIRE
			DOWNLIGHT LUMINAIRE
			INDUSTRIAL LUMINAIRE
			SINGLE FACE EXIT SIGN
			DOUBLE FACE EXIT SIGN
			WALL/CEILING EMERGENCY EXIT SIGN
			EMERGENCY UNIT

CONDUIT INSTALLATION SCHEDULE

THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION.

INSTALLATION TYPE	RMC	IMC	EMT	RTRC	PVC COATED RMC	PVC	PVC CONCRETE ENCASED	HDPE	ASR
FEEDERS: SWITCHBOARDS, DISTRIBUTION PANELS, PANELBOARDS, MOTOR CONTROL CENTERS, ETC.		X	X						
BRANCH CIRCUITS: LIGHTING, RECEPTACLES, CONTROLS, ETC.		X	X						
MECHANICAL EQUIPMENT FEEDERS: PUMPS, CHILLERS, AIR HANDLING UNITS, ETC.		X	X						
FLOOR MOUNTED EQUIPMENT FEEDERS: PUMPS, ETC. (INCLUDE NO MORE THAN 6 FEET OF LFMC TO PUMP)		X	X						
CONTROLS (LIGHTING, POWER, BUILDING AUTOMATION, ETC.)		X	X						
WET AND DAMP LOCATIONS: (CONDUIT, BOXES, FITTINGS, INSTALLED AND EQUIPPED TO PREVENT WATER ENTRY)	X			X					
INTERIOR LOCATIONS: CONCEALED			X						
INTERIOR LOCATIONS: EXPOSED		X	X						
INTERIOR LOCATIONS: EXISTING WALLS AND EXPOSED INSTALLATION (FINISHED SPACES)			X						X
UNDERGROUND / SLABS ON GRADE (IN OR UNDER SLABS ON GRADE)									
WITHIN 5' FROM THE PERIMETER OF THE BUILDING	X					X			
WITHIN 5' FROM THE PERIMETER OF THE BUILDING WHEN PASSING THROUGH THE PERIMETER OF THE BUILDING FOUNDATION:	X			X			X		
UNDERGROUND SITE CONDUITS:									
WITHIN 5' FROM THE PERIMETER OF A BUILDING FOUNDATION	X			X			X		
5' OR GREATER FROM THE PERIMETER OF A BUILDING FOUNDATION	X			X		X			
UNDER ROADS, DRIVES, AND VEHICLE TRAVELED WAYS. WHEN HDPE DIRECTIONAL BORING IS ALLOWED: PROVIDE PRESSURIZED GROUT					X	X		X	

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
			DUPLEX RECEPTACLE, 125V
			DUPLEX GFI RECEPTACLE, 125V
			QUAD RECEPTACLE, 125V
	SW-3W	26 09 33	SWITCH - THREE WAY
	SW-4W	26 09 33	SWITCH - FOUR WAY
	SW-OC-P-O	26 09 33	SWITCH - OCCUPANCY SENSOR WALL SWITCH
	SW-OC-D	26 09 33	OCCUPANCY SENSOR - DUAL TECHNOLOGY
	SW-OC-D-W	26 09 33	OCCUPANCY SENSOR - DUAL TECHNOLOGY - WALL MOUNTED
	SW-LS-PC	26 09 33	PHOTOCELL

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	REC-DUP	26 27 26	DUPLEX RECEPTACLE, 125V
	REC-DUP-GFI	26 27 26	DUPLEX GFI RECEPTACLE, 125V
	REC-DUP-WP	26 27 26	DUPLEX GFI WEATHERPROOF RECEPTACLE, 125V
	REC-SIM-520R	26 27 26	SIMPLEX RECEPTACLE, 125V

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED W = WEATHERPROOF A = ATRIUM CA = CLEAN AGENT SYSTEM CR = COMPUTER ROOM E = ELEVATOR RECALL D = HVAC CONTROL DH = DOOR HOLD RELEASE DIPS = DUAL INTERLOCK PREACTION SYS FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, 75, 110, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FACP-#	28 31 00	FIRE ALARM CONTROL PANEL
	FAA-#	28 31 00	FIRE ALARM ANNUNCIATOR
	VCC-#	28 31 00	DIGITIZED VOICE COMMAND CENTER
	GAP-#	28 31 00	GRAPHICAL ANNUNCIATOR PANEL, FIRE ALARM
	NAC-#	28 31 00	NOTIFICATION APPLIANCE CIRCUIT PANEL
	AMP-#	28 31 00	AMPLIFIER RACK, FIRE ALARM
	ECCU-#	28 31 00	EMERGENCY COMMUNICATION CONTROL UNIT
	LOC-#	28 31 00	LOCAL OPERATING CONSOLE
	SCP-#	28 31 00	FIREFIGHTER'S SMOKE CONTROL PANEL
	FATC-#	28 31 00	FIRE ALARM TERMINAL CABINET
	FA-120	28 31 00	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNT
			BLANK - PHOTOELECTRIC AT = ATTIC (LOCATED IN) BR = BEAM RECEIVER BT = BEAM TRANSMITTER CO = COMBINATION SMOKE / CARBON MONOXIDE COH = COMBINATION SMOKE / CARBON MONOXIDE / HEAT COS = COMBINATION SMOKE / CARBON MONOXIDE / STROBE H = COMBINATION SMOKE / HEAT DETECTOR ION = IONIZATION TYPE ID = IN DUCT DETECTOR SA = STAND ALONE WITH SOUNDER SB = SOUNDER BASE SV = STAND ALONE WITH SOUNDER AND 177 CANDELA STROBE
	FA-130	28 31 00	FIRE ALARM MANUAL PULL STATION
	FA-200	28 31 00	FIRE ALARM VISUAL ALARM DEVICE, CEILING OR WALL MOUNT
			# = CANDELA RATING. CD = CANDELA RATING SELECTED BY FIRE ALARM CONTRACTOR
	FA-210	28 31 00	AUDIO HORN/CHIME ALARM DEVICE, CEILING OR WALL MOUNTED
			M = MINI-HORN
	FA-211	28 31 00	COMBINATION AUDIO HORN/CHIME AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED
			# = CANDELA RATING. CD = CANDELA RATING SELECTED BY NICET DESIGNER



A/E FIRMS	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
ARCH: QUINN EVANS 219 1/2 N. MAIN STREET ANN ARBOR, MI T: 734.663.5888	ZMB CADD: WMM	02	LIBBEY BATHHOUSE	128
MEP/ENG: IMEG CORP. 1400 BALTIMORE STREET SUITE 300 KANSAS CITY, MO T: 816.842.8437	TECH. REVIEW: PIP	E0.0	ELECTRICAL COVERSHEET	182951
	DATE: 10.27.2023		REHABILITATE BATHHOUSES HOT SPRINGS NATIONAL PARK	PMIS/PKG NO. 318915
				SHEET 238 OF 286