

(NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT)

SYMBOL	DESCRIPTION
	TWO-WAY COMMUNICATION SYSTEM CALL STATION
	TWO-WAY COMMUNICATION SYSTEM AUTO DIALER
	TWO-WAY COMMUNICATION SYSTEM ANNUNCIATOR & COMMUNICATION PANEL
	TWO-WAY COMMUNICATION SYSTEM POWER SUPPLY WITH BATTERY BACK-UP
	TWO-WAY COMMUNICATION SYSTEM AUTO DIALER POWER SUPPLY WITH BATTERY BACK-UP
	REMOTE GENERATOR ANNUNCIATOR PANEL
	AUTOMATIC TRANSFER SWITCH
	UNINTERRUPTIBLE POWER SUPPLY
	LOW VOLTAGE CONTROL STATION "X" INDICATES TYPE
	SINGLE/DUPLEX RECEPTACLE OUTLET "X" INDICATES TYPE
	SINGLE/DUPLEX RECEPTACLE OUTLET CONTROLLED BY AUTOMATIC CONTROL DEVICE/SYSTEM
	QUAD RECEPTACLE OUTLET
	ABOVE COUNTER DUPLEX RECEPTACLE OUTLET (SIMILAR FOR TAMPER RESISTANT, CONTROLLED, QUADS, EMERGENCY, UPS, USB, AND GFCI RECEPTABLE OUTLETS)
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE OUTLET
	DEAD FRONT GROUND FAULT CIRCUIT INTERRUPTER
	DUPLEX EMERGENCY RECEPTACLE OUTLET
	DUPLEX TAMPER RESISTANT RECEPTACLE OUTLET
	QUAD TAMPER RESISTANT RECEPTACLE OUTLET
	DUPLEX UPS RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET WITH 2 USB PORTS
	4 PORT USB CHARGING STATION
	CEILING MOUNTED DUPLEX/QUAD RECEPTACLE OUTLET
	POWER POLE
	WALL/CEILING MOUNTED SPECIAL RECEPTACLE OUTLET — REFER TO ELECTRICAL STANDARD SCHEDULES
	MULTI-OUTLET SURFACE RACEWAY
	MULTI-SERVICE DROP
	SEE ELECTRICAL DETAILS AND DIAGRAMS SHEET "X" INDICATES TYPE
	POKEY-THROUGH ASSEMBLY "X" INDICATES TYPE
	FLOOR SERVICE FITTING "X" INDICATES TYPE
	ACCESS FLOOR SERVICE FITTING "X" INDICATES TYPE
	CORD REEL "X" INDICATES TYPE
	DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
	3-WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
	4-WAY DUAL SWITCHING FOR INNER/OUTER LAMPS OF FLUORESCENT LIGHT FIXTURES
	DIGITAL TIME SWITCH
	ILLUMINATED TOGGLE SWITCH FOR CONTROL OF LIGHTING ON CRITICAL POWER—ILLUMINATED WHEN SWITCH IS IN "OFF" POSITION
	LOW VOLTAGE SWITCH
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR REFER TO ELECTRICAL STANDARD SCHEDULES
	OCCUPANCY SENSOR "X" INDICATES TYPE

SYMBOL	DESCRIPTION
	SECURITY CAMERA
	MOTION DETECTOR
	SECURITY KEY SWITCH
	DOOR CONTACT
	KEY PAD
	CARD READER
	DURESS PUSH BUTTON STATION
	DELAYED EGRESS
	REQUEST TO EXIT STATION
	AUTOMATIC DOOR PUSH PAD OPERATOR
	DOOR OPERATOR
	DOOR ACTUATOR
	ACCESS CONTROL STATION
	ACCESS CONTROL CONTROL PANEL
	ACCESS CONTROL POWER SUPPLY
	CIRCUIT BREAKER
	DRAWOUT CIRCUIT BREAKER MANUALLY/ OPERATED
	DRAWOUT CIRCUIT BREAKER ELECTRICALLY/ OPERATED
REFER TO ELECTRICAL STANDARD SCHEDULES	
	SWITCH
	AUTOMATIC OR MANUAL TRANSFER SWITCH
	FUSE
	TRANSFORMER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	LIGHTNING ARRESTOR
	PANELBOARD "X" INDICATES PANELBOARD NAME
	GROUND
	STRESS CONE TERMINATION
	SECURITY KEY INTERLOCK
	ENGINE GENERATOR
	UTILITY METER
	ELECTRONIC METERING UNIT
	AMMETER
	VOLTMETER
	AMMETER SWITCH
	VOLTMETER SWITCH
	SURGE PROTECTIVE DEVICE
	CONTROL RELAY
	TIME DELAY RELAY
	PHASE ROTATION MONITOR
	CAMLOK – MALE
	CAMLOK – FEMALE
	ELECTRICAL VEHICLE SUPPLY EQUIPMENT
	DC FAST CHARGER – STANDALONE
	DC FAST CHARGER – POWER MODULE
	DC FAST CHARGER – DISPENSER

SYMBOL	DESCRIPTION
	MANUAL FIRE ALARM BOX
	SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	REMOTE TEST STATION (FOR DUCT DETECTOR)
	HEAT DETECTOR
	PROJECTED BEAM DETECTOR
	FIRE ALARM BELL
	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE
	FIRE ALARM VISUAL NOTIFICATION APPLIANCE
	"XX" INDICATES CANDELA RATING
	IF NO RATING SHOWN, APPLIANCE IS 15cd
	FIRE ALARM COMBINATION VISUAL/ AUDIBLE
	"XX" INDICATES CANDELA RATING
	IF NO RATING SHOWN, APPLIANCE IS 15cd
	FIRE ALARM COMBINATION VISUAL/ AUDIBLE NOTIFICATION APPLIANCE— CEILING MOUNTED
	"XX" INDICATES CANDELA RATING
	IF NO RATING SHOWN, APPLIANCE IS 15cd
	FIRE ALARM VISUAL NOTIFICATION APPLIANCE CEILING MOUNTED
	"XX" INDICATES CANDELA RATING
	IF NO RATING SHOWN, APPLIANCE IS 15cd
	FIRE ALARM AUDIBLE NOTIFICATION APPLIANCE CEILING MOUNTED
	FIREFIGHTERS PHONE JACK
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR
	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL
	ADDRESSABLE MONITORING MODULE
	ADDRESSABLE CONTROL MODULE
	ADDRESSABLE MONITORING MODULE FOR TAMPER SWITCH
	ADDRESSABLE MONITORING MODULE FOR FLOW SWITCH
	MAGNETIC DOOR RELEASE
	THERMAL OVERLOAD RELAY
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	N.O. PUSH BUTTON SINGLE CIRCUIT
	N.C. PUSH BUTTON SINGLE CIRCUIT
	BRANCH VAULT
	"X-X" INDICATES TYPE
	BRANCH CIRCUIT PANELBOARD
	LOAD CENTER
	MOTOR CONTROL CENTER
	TRANSFORMER
	DISTRIBUTION EQUIPMENT
	ELECTRICAL GROUNDING BUS BAR
	PLUG IN BUSWAY
	FEEDER BUSWAY
	CABLE TRAY — ALL SIZES IN INCHES

	FIREFIGHTERS PHONE JACK
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL
	ADDRESSABLE MONITORING MODULE
	ADDRESSABLE CONTROL MODULE
	ADDRESSABLE MONITORING MODULE FOR TAMPER SWITCH
	ADDRESSABLE MONITORING MODULE FOR FLOW SWITCH
	MAGNETIC DOOR RELEASE
	THERMAL OVERLOAD RELAY
	NORMALLY OPEN CONTACTS
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	N.O. PUSH BUTTON SINGLE CIRCUIT
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	CABLE VAULT
	"X-X" INDICATES TYPE
	BRANCH CIRCUIT PANELBOARD
	LOAD CENTER
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	DISTRIBUTION EQUIPMENT
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	PLUG IN BUSWAY
	FEEDER BUSWAY
	CABLE TRAY - ALL SIZES IN INCHES

STANDARD SCHEDULES		STANDARD SCHEDULES	
WIRING AND PANEL SCHEDULES		WIRING AND PANEL SCHEDULES	
SCHEDULES		SCHEDULES	
NOTATION LIST		NOTATION LIST	
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
JB	JUNCTION BOX	P	POLE
KA	THOUSAND AMP	PB	PUSHBUTTON STATION
KV	KILOVOLT	PH	PHASE
KVA	KILOVOLT – AMPERES	PT	POTENTIAL TRANSFORMER
KW	KILOWATT	PDP	POWER DISTRIBUTION PANEL
KWH	KILOWATT – HOURS	RECEPT.	RECEPTACLE
LA	LIGHTNING ARRESTOR	RDP	RECEPTACLE DISTRIBUTION PANEL
LP	LIGHTING PANEL	RP	RECEPTACLE PANEL
LDP	LIGHTING DISTRIBUTION PANEL	RSC	RIGID STEEL CONDUIT
MAX	MAXIMUM	SCCR	SHORT CIRCUIT CURRENT RATING
MCA	MINIMUM CIRCUIT AMPACITY	SCHED	SCHEDULE
MCB	MAIN CIRCUIT BREAKER	SPD	SURGE PROTECTION DEVICE
MCC	MOTOR CONTROL CENTER	ST	SHUNT TRIP
MDP	MOTOR DISTRIBUTION PANEL	SW	SWITCH
MECH	MECHANICAL	SWBD	SWITCHBOARD
MIN	MINIMUM	SWG	SWITCHGEAR
MISC.	MISCELLANEOUS	TB	TERMINAL BOX
MLO	MAIN LUGS ONLY	TELECOM	TELECOMMUNICATIONS
MOP	MAXIMUM OVERCURRENT PROTECTION	TR	TAMPER RESISTANT
MTD	MOUNTED	TTB	TELEPHONE TERMINAL BACKBOARD
MTS	MOUNTING	TYP	TYPICAL
MTR	MOTOR	U.O.N.	UNLESS OTHERWISE NOTED
N	NEUTRAL	US	UPSTAGE
NC	NORMALLY CLOSED	V	VOLTS
NEC	NATIONAL ELECTRICAL CODE	W	WIRE OR WATTS
NF	NOT – FUSIBLE	WAP	WIRELESS ACCESS POINT
NIC	NOT IN CONTRACT	WG	WIRE GUARD
NL	NIGHT LIGHT	WP	WEATHERPROOF
NO	NORMALLY OPEN	WR	WEATHER RESISTANT
NTS	NOT TO SCALE	XFMR	TRANSFORMER
OC	ON CENTER	XP	EXPLOSION PROOF
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	(E)	EXISTING
OFDI	OWNER FURNISHED, OWNER INSTALLED	(R)	RELOCATED

<u>SHEET NO.</u>	<u>SHEET TITLE</u>
E0.1	ELECTRICAL STANDARDS AND DRAWNG INDEX
E0.2	ELECTRICAL STANDARD SCHEDULES
E2.1	LIGHTING PLAN
E3.1	POWER PLAN
E5.1	ONE LINE DIAGRAM AND PANEL SCHEDULES
E7.1	LIGHTING SCHEDULES

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	AMPERES	JB	JUNCTION BOX	P	POLE
AER	ARC ENERGY REDUCTION	KA	THOUSAND AMP	PB	PISTONBUST STATION
AF	AMPERES FRAME (BREAKER RATING)	KV	KILOVOLT	PH	PHASE
AFCI	ARC FAULT CIRCUIT INTERRUPTER	KVA	KILOVOLT - AMPERES	PT	POTENTIAL TRANSFORMER
A.F.F.	Above FINISH FLOOR	KW	KILOWATT	PDP	POWER DISTRIBUTION PANEL
AIC	AMPS INTERRUPTING CAPACITY	KWH	KILOWATT - HOURS	RECEPT.	RECEPTACLE
AL	AUDIENCE LEFT	LA	LIGHTNING ARRESTOR	RDP	RECEPTACLE DISTRIBUTION PANEL
ALOR	AUTOMATIC LOAD CONTROL RELAY	LP	LIGHTING PANEL	RF	RECEPTACLE PANEL
AR	AUDIENCE RIGHT	LDP	LIGHTING DISTRIBUTION PANEL	RSC	RIGID STEEL CONDUIT
AT	AMPERES TRIP (BREAKER SETTING)	MAX	MAXIMUM	SCCR	SHORT CIRCUIT CURRENT RATING
ATS	AUTOMATIC TRANSFER SWITCH	MCA	MINIMUM CIRCUIT AMPACITY	SCHED	SCHEDULE
AUX	AUXILIARY	MCB	MAIN CIRCUIT BREAKER	SPD	Surge PROTECTION DEVICE
BOELIS	BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH	MCC	MOTOR CONTROL CENTER	ST	SHUNT TRIP
BKR	BREAKER	MDP	MAIN DISTRIBUTION PANEL	SW	SWITCH
BPS	BOLTED PRESSURE SWITCH	MECH	MECHANICAL	SWBD	SWITCHBOARD
C	CONDUIT	MIN	MINIMUM	SWGR	SWITCHGR
CB	CIRCUIT BREAKER	MISC.	MISCELLANEOUS	TB	TERMINAL BOX
CF	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	MLO	MAIN LUGS ONLY	TELECOM	TELECOMMUNICATIONS
CKT	CIRCUIT	MOP	MAXIMUM OVERCURRENT PROTECTION	TR	TAMPER RESISTANT
CT	CURRENT TRANSFORMER	MTD	MOUNTED	TTB	TELEPHONE TERMINAL BACKBOARD
DEMO	DEMOLITION	MTG	MOUNTING	TYP	TYPICAL
DIM	DIMENSION	MTR	MOTOR	U.O.N.	UNLESS OTHERWISE NOTED
DISC	DISCONNECT	N	NEUTRAL	US	UPSTAGE
DP	DISTRIBUTION PANEL	NC	NORMALLY CLOSED	V	VOLTS
DNG	DOWNSTAGE	NEC	NATIONAL ELECTRICAL CODE	W	WIRE OR WATTS
DWS	DRAWING	NF	NON-FUSIBLE	WAP	WIRELESS ACCESS POINT
EBU	EMERGENCY BATTERY UNIT	NIC	NOT IN CONTRACT	WG	WIRE GUARD
ECG	ELECTRICAL CONTRACTOR	NL	NIGHT LIGHT	WP	WEATHERPROOF
EC	ELECTRICALLY COMMUTATED MOTOR	NO	NORMALLY OPEN	WR	WEATHER RESISTANT
ELEC	ELECTRICAL	NTS	NOT TO SCALE	XFMR	TRANSFORMER
EM/ EMERG	EMERGENCY	OC	ON CENTER	XP	EXPLOSION PROOF
EMT	ELECTRICAL METALLIC TUBING	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	(E)	EXISTING
EOP	ELECTRICALLY OPERATED	OFOI	OWNER FURNISHED, OWNER INSTALLED	(R)	RELOCATED
EW	EMERGENCY POWER OFF				
EWX	ELECTRIC WATER COOLER				
EXIST	EXISTING				
FA	FIRE ALARM				
FLA	FULL LOAD AMPS				
FLR	FLOOR				
FOH	FRONT OF HOUSE				
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR				
FU	FUSE				
C/GROD/EG	GROUND				
GFCI	GROUND FAULT CIRCUIT INTERRUPTER				
GFI	GROUND FAULT PROTECTION				
HOA	HAND-OFF-AUTO				
HP	HORSEPOWER				
HV	HIGH VOLTAGE				
HZ	HERTZ				

1
E7.1

SECTION ON WHICH SECTION IS DRAWN

1
E8.1

SHEET ON WHICH ENLARGED PLAN IS DRAWN

1
E3.1

SECTION OR PLAN NUMBER

AREA OF ENLARGEMENT

PLAN NUMBER

SECTION OR ENLARGED PLAN

SCALE: 1/8" = 1' - 0"

SHEET E1.0
SHEET E1.1

MATCH LINE

HEAVY LINE WEIGHT INDICATES NEW WORK

LIGHT LINE WEIGHT INDICATES EXISTING EQUIPMENT OR REFERENCED INFORMATION

GRAY LINE INDICATES BACKGROUND INFORMATION

THIN GRAY LINE INDICATES CEILING GRID

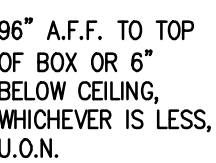
DASHED LINES INDICATE CONDUIT ROUTED IN OR BELOW SLAB OR GRADE

HATCH MARKS INDICATE EQUIPMENT OR MATERIALS TO BE DISCONNECTED AND REMOVED.

CIRCUIT HOMERUN

DUCT BANK - CONCRETE ENCASED / DIRECT BURIED
IN USE - SPARE

The diagram illustrates the placement of electrical outlets in a room. A horizontal line represents the 'FURNITURE PARTITION SYSTEM'. Below this line, a bracket groups four types of outlets: 'CONVENIENCE RECEPTACLE OUTLETS', 'SPECIAL PURPOSE RECEPTACLE OUTLETS', 'TELECOMMUNICATION OUTLETS', and 'SPECIAL PURPOSE RECEPTACLE OUTLETS'. A vertical line descends from the partition system to a horizontal line representing the 'CENTER OF BOX, U.O.N.'. This vertical line is labeled '16" A.F.F. HORIZONTALLY TO TOP OF BOX, U.O.N.'. To the right of this vertical line, another vertical line descends to a horizontal line representing the 'CENTER OF BOX, U.O.N.'. This second vertical line is labeled '18" A.F.F. TO CENTER OF BOX, U.O.N.'. Along this second vertical line, there are three outlets: 'CONVENIENCE RECEPTACLE OUTLETS', 'SPECIAL PURPOSE RECEPTACLE OUTLETS', and 'TELECOMMUNICATION OUTLETS'. A horizontal line connects the two vertical lines at the level of the 'CENTER OF BOX, U.O.N.'.



MOUNTING HEIGHT
SHOWN ON PLANS
FOR LIGHT
FIXTURES AND
SIGNS ARE TO
BOTTOM OF
FIXTURE, U.O.N.

COORD
MOUNT
HEIGHT
ARCHIT

\\\\pba.local\projects\2024\2024-0248-00\CAD\2024-0248-00-IND.dwg, E0.2, 5/20/2026 3:40:20 PM, Kyle W. Albrecht, DMF6 ePlot.pc3 ,1.76067, Peter Basso Associates Inc.

FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE												
OVERCURRENT DEVICE RATING (AMPERES)	COPPER CONDUCTORS						KEYED NOTES	ALUMINUM CONDUCTORS				
	WIRE SIZE (AWG OR KCMIL)		CONDUIT SIZE					WIRE SIZE (AWG OR KCMIL)		CONDUIT SIZE		
	PHASE & NEUTRAL	GROUND	SINGLE PHASE 2 WIRE+G (1PH, 1N, 1G, 2PH, 1G)	SINGLE PHASE 3 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)		PHASE & NEUTRAL	GROUND	SINGLE PHASE 3 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)
15-20	12	12	3/4"	3/4"	3/4"	3/4"		NOT ACCEPTABLE				
25-30	10	10	3/4"	3/4"	3/4"	3/4"						
35-40	8	10	3/4"	3/4"	3/4"	3/4"						
45-50	8 (6)	10	3/4"	3/4"	3/4"	3/4"	1					
60	6 (4)	10	3/4" (1")	3/4" (1")	3/4" (1")	1" (1 1/4")	1					
70	4	8	1"	1 1/4"	1 1/4"	1 1/4"						
80	4 (3)	8	1"	1 1/4"	1 1/4"	1 1/4"	1					
90-100	3 (2)	8	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1					
110	2 (1)	6	-	1 1/4"	1 1/4"	1 1/4" (1 1/2")	1	1/0	4	1 1/2"	1 1/2"	2"
125	1 (1/0)	6	-	1 1/4" (1 1/2")	1 1/4" (1 1/2")	1 1/2"	1	2/0	4	1 1/2"	1 1/2"	2"
150	1/0	6	-	1 1/2"	1 1/2"	1 1/2"		3/0	4	2"	2"	2 1/2"
175	2/0	6	-	2"	2"	2"		4/0	4	2"	2"	2 1/2"
200	3/0	6	-	2"	2"	2 1/2"		250	4	2"	2"	3"
225	4/0	4	-	2"	2"	2 1/2"		300	2	2 1/2"	2 1/2"	3"
250	250	4	-	2 1/2"	2 1/2"	2 1/2"		350	2	2 1/2"	2 1/2"	3"
300	350	4	-	2 1/2"	2 1/2"	3"		500	2	3"	3"	3 1/2"
350	500	3	-	3"	3"	3"		2-4/0	2-1/0	2-2"	2-2"	2-2"
400	500	3	-	3"	3"	3"		2-250	2-1/0	2-2 1/2"	2-2 1/2"	2-2 1/2"

- GENERAL NOTES:
- CONTRACTOR TO SIZE FEEDERS AND BRANCH CIRCUITS BASED ON THIS SCHEDULE AND OVER CURRENT DEVICE SIZE, UNLESS NOTED OTHERWISE.
 - CONTRACTOR MAY COMBINE 20A CIRCUITS AS NOTED IN SPECIFICATION.
 - COPPER CONDUCTORS ARE BASED ON THHN/THWN-2 UP TO AND INCLUDING #4/0. COPPER CONDUCTORS LARGER THAN #4/0 AND ALUMINUM CONDUCTORS ARE BASED ON XHHW-2.
 - CONDUIT SIZES ARE VALID FOR EMT OR RSC. CONDUIT SIZES SHALL BE ADJUSTED AS REQUIRED FOR OTHER TYPES OF CONDUIT.
 - SIZE OF DISCONNECT SWITCH LOCATED AT EQUIPMENT SHALL BE SIZED BASED UPON OVERCURRENT PROTECTION OF THAT DEVICE.
 - OBTAIN APPROVAL FROM ENGINEER PRIOR TO INSTALLING DIFFERENT SIZE/QUANTITY OF CONDUCTORS TO OBTAIN AN EQUIVALENT AMPACITY.

- KEYED NOTES:
- CONDUCTORS ARE BASED ON 90°C, 600V INSULATED WIRE APPLIED AT 75°C FOR TERMINATION RATED 60/75°C OR 75°C. FOR TERMINATION RATED AT 60°C, USE CONDUCTORS AND CONDUIT SIZES INDICATED IN PARENTHESES.

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR SINGLE PHASE CIRCUITS						
BRANCH CKT RATING (A)	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (IN FEET)				
		120V	208V	240V	277V	480V
20A	12	83	143	165	191	331
	10	128	222	256	295	511
	8	201	348	402	464	804
30A	6	313	542	625	721	1250
	10	85	148	170	197	341
	8	134	232	268	309	536
	6	208	361	417	481	833
	4	313	542	625	721	1250

- GENERAL NOTES:
- THE ABOVE TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD POWER FACTOR OF 0.85 PER NEC CHAPTER 9, TABLE 9.
 - PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.
 - CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.
 - LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH BREAKER RATING AND A MAXIMUM OF 3 PERCENT VOLTAGE DROP TO COMPLY WITH ASHRAE 90.1 AND THE NEC. FOR CIRCUITS LOADED GREATER THAN 64% OF BRANCH BREAKER RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

RACEWAY / CONDUCTOR / CABLE APPLICATION SCHEDULE

	WIRE			RACEWAY				CABLE / CORD		
	COPPER, TYPE THHN/THWN-2	COPPER, TYPE XHHW-2	ALUMINUM, TYPE XHHW-2 (100A AND ABOVE ONLY)	ELECTRICAL METALLIC TUBING (EMT)	INTERMEDIATE METAL CONDUIT (IMC)	RIGID STEEL CONDUIT (RSC)	RIGID NON-METALLIC CONDUIT (RNC) TYPE EPC-40	RIGID NON-METALLIC CONDUIT (RNC) TYPE EPC-80	CABLE TRAY	TRAY CABLE (TYPE TC)
										TRAY CABLE FOR EXPOSED RUNS (TYPE TC-ER)
										POWER LIMITED CABLE
FEEDERS - EXTERIOR										
EXPOSED, SURFACE MOUNTED TO STRUCTURE		X	X		X	X				
EXPOSED, WITH FREESTANDING SUPPORT		X	X		X	X				
CONCEALED IN RETAINING WALL OR SIMILAR ELEMENT		X	X			X	X	X		
BELOW PARKING LOTS AND ROADWAYS		X	X					X		
WITHIN 5' OF FOUNDATION WALL		X	X			X				
BRANCH CIRCUITS - EXTERIOR										
EXPOSED, SURFACE MOUNTED TO STRUCTURE		X			X	X				
EXPOSED, WITH FREESTANDING SUPPORT		X			X	X				
CONCEALED IN RETAINING WALL OR SIMILAR ELEMENT		X				X	X			
BELOW PARKING LOTS AND ROADWAYS		X				X	X			
WITHIN 5' OF FOUNDATION WALL		X				X				
SPECIAL APPLICATIONS										
SERVICE ENTRANCE - UNDERGROUND		X	X				X	X		
SERVICE ENTRANCE - ABOVE GROUND		X	X		X	X	X			
CLASS 1 CONTROL CIRCUITS	X				X	X	X			X
CLASS 2 CONTROL CIRCUITS	X				X	X	X		X	X
CLASS 3 CONTROL CIRCUITS	X				X	X	X		X	X

- GENERAL NOTES:
- TRANSITION FROM PVC/HDPE AND PROVIDE RIGID STEEL OR RTRC SWEEPS WHERE CONDUITS PENETRATE WALLS, CONCRETE SLABS, CONCRETE BASES, AND ASPHALT.
 - REFER TO SPECIFICATIONS FOR RESTRICTIONS ON MC/AC CABLE INSTALLATION.
 - EMT SHALL NOT BE USED ON THE EXTERIOR OF A BUILDING OR IN AREAS SUBJECT TO DAMAGE BELOW 10' AFF.
 - INSTALL SURFACE RACEWAYS ONLY WHERE INDICATED ON DRAWINGS.

	SPECIAL RECEPTACLES
TAG	DESCRIPTION
1	125V, 30A, SINGLE PHASE, RECEPTACLE, 2 POLE, 3 WIRE (NEMA 5-30R)

HamiltonAnderson

architecture landscape architecture urban design

Hamilton Anderson Associates, Inc
1435 Randolph Suite 200
Detroit, Michigan 48226
p 313 964 0270 f 313 964 0170
www.hamilton-anderson.com

Civil
Engineering

PEA
45 W Grand River Ave., Suite 501
Detroit, MI 48226
313.769.5770

Lighting
Design

Illuminart
5145 Livernois Rd, Suite 100
Troy, MI 48098
248.897.5666

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PBA
5145 Livernois Rd, Suite 100
Troy, MI 48098
248.897.5666



Peter Basso
Associates
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
www.PeterBassoAssociates.com
PBA Project No.: 2024-0248

Client

The Paradise Valley Cultural and
Entertainment District Conservancy

13254 Common Road
Warren, MI 48088

Permits	10/17/2025
Bid Set	09/05/2025
Progress Set	08/27/2025
Progress Set	07/09/2025
100% Design Development	08/23/2024

Project

Paradise Valley Alley

Drawing Title

ELECTRICAL
STANDARD
SCHEDULES

Project Number: 2023035.00

Drawn By: KWA Approved By: EMG

Scale: NONE

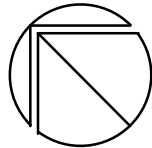
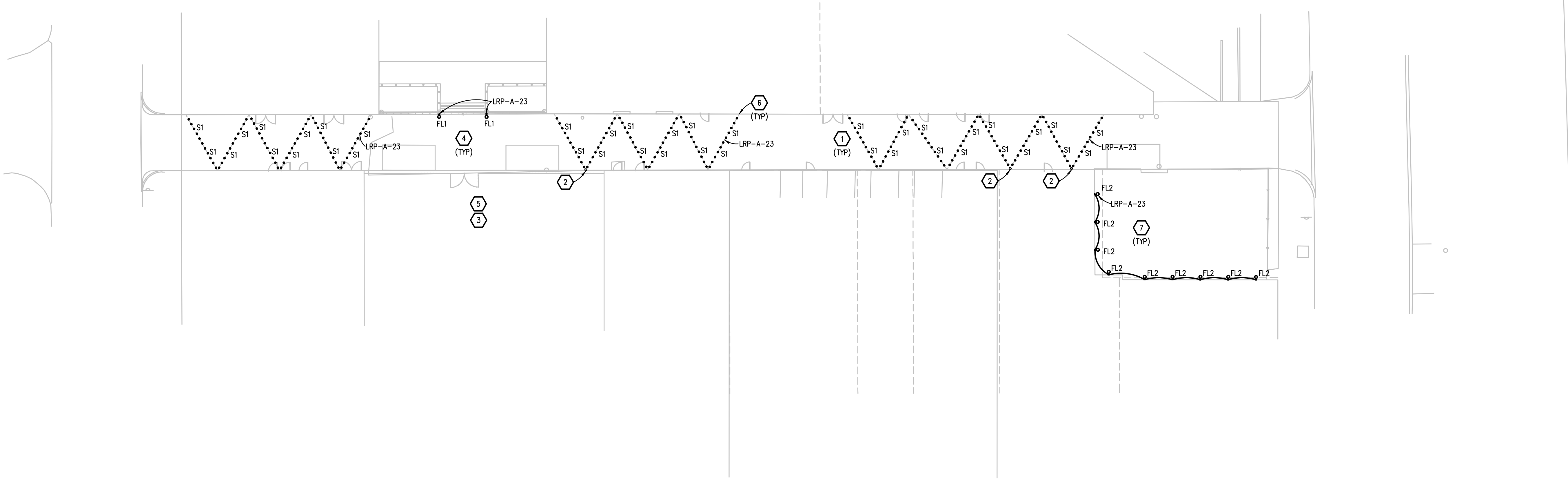
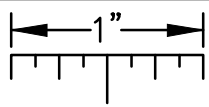
Seal:

Signature: _____

Drawing No:

E0.2

NOTE: SOME SYMBOLS AND ABBREVIATIONS
SHOWN MAY NOT APPLY TO THIS PROJECT.



LIGHTING PLAN
SCALE: 1" = 20'



Know what's below.
Call before you dig.

SITE PLAN GENERAL NOTES:

1. THESE NOTES ARE GENERIC GUIDELINES ONLY. ELECTRICAL CONTRACTOR'S PERSONNEL ON SITE SHALL BE THOROUGHLY FAMILIAR WITH THE PUBLISHED SPECIFICATIONS FOR EXACT DESCRIPTIONS OF SCOPE, METHODS, AND MATERIAL.
2. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
3. CONDUCT A SURVEY TO IDENTIFY ALL UNDERGROUND UTILITIES. CALL 811 PRIOR TO EXCAVATION.
4. UTILITIES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES, AND ROUTING OF ALL NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
5. DEWATER TRENCHES PRIOR TO INSTALLATION OF CONDUITS. PROVIDE WATER TIGHT FITTINGS ON ALL UNDERGROUND CONDUITS.
6. COORDINATE DEMOLITION WORK, AND ELECTRICAL AND TELEPHONE SERVICES TO THE SITE, WITH THE RESPECTIVE LOCAL UTILITY COMPANY REPRESENTATIVES PRIOR TO COMMENCEMENT OF WORK. INCLUDE ALL ASSOCIATED COST/FEE'S BY THE UTILITY COMPANIES IN THE BID PRICE.
7. INSTALL UNDERGROUND CONDUITS 42" BELOW FINISHED GRADE, MINIMUM, UNLESS NOTED OTHERWISE.
8. COORDINATE SERVICE SHUT-DOWNS WITH ALL TRADES INVOLVED ON SITE AND OBTAIN WRITTEN AUTHORIZATION FROM OWNER 72 HOURS PRIOR TO ANY ELECTRICAL AND/OR TELEPHONE SHUT-DOWN.
9. REMOVE ALL DE-ENERGIZED CONDUCTORS FROM SITE AT COMPLETION OF THE PROJECT.
10. OUTDOOR LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM #8 AWG CONDUCTORS (XHHW-2), IN MINIMUM 1" DIA. CONDUIT, UNLESS NOTED OTHERWISE.
11. SPARE CONDUITS SHALL INCLUDE PULL STRING AND SHALL BE TERMINATED WITH A CAP.
12. EXCAVATE THE ENTIRE LENGTH OF TRENCH TO PROPERLY SET DUCT ELEVATIONS.

CONSTRUCTION KEY NOTES:

1. TYPE S1 STRING LIGHTING, MOUNTING AND POWER ACCESSORIES TO BE COORDINATED BY CONTRACTOR.
2. STRING LIGHTING IS POLE MOUNTED IN LOCATIONS WHERE BUILDING WALL MOUNTING IS NOT FEASIBLE. EXACT LOCATION TO BE DETERMINED. CONTRACTOR TO COORDINATE POLE REQUIREMENTS AND FINAL LOCATIONS, AND COORDINATE STRUCTURAL INTEGRITY REVIEW. ASSUME 18" BASE FOR PRICING.
3. COORDINATE ADDITIONAL POWER AND CONTROL CAPACITY AND MOUNTING LOCATIONS FOR PRODUCTION EQUIPMENT ANTICIPATED FOR SPECIAL EVENTS INCLUDING PROJECTORS.
4. FLOOD DOWNLIGHTS MOUNTED TO POSTS 16'-0" A.F.G. AND AIMED STRAIGHT DOWN. FIXTURE TYPE FL1 IS THE BASIS OF DESIGN.
5. OUTDOOR RATED AUDIO-VISUAL PROJECTOR BY OTHERS..
6. STRING LIGHTING CABLING AND HARDWARE TO BE COORDINATED WITH LIGHTING MANUFACTURER. MOUNT AT APPROXIMATELY 18'-0" A.F.G. FOR MINIMUM CLEARANCE HEIGHT OF 16'-0" A.G. CONTRACTOR TO COORDINATE FULL SERVICE DELEGATED DESIGN, INCLUDING FINAL BUILDING MOUNTING LOCATIONS TO AVOID CONFLICTS IN FIELD, AND VERIFICATION OF STRUCTURAL INTEGRITY TO BE PROVIDED WITH STRING LIGHTING SYSTEM.
7. TYPE FL2: ADJUSTABLE WALL MOUNTED FLOOD LIGHTS 10'-0" A.F.G. SPACED EVENLY ALONG WALL AND AIMED STRAIGHT DOWN. COORDINATE MOUNTING LOCATIONS WITH BUILDING ELEMENTS.

Hamilton Anderson Associates, Inc
1435 Randolph Suite 200
Detroit, Michigan 48226
p 313 964 0270 f 313 964 0170
www.hamilton-anderson.com

Civil Engineering PEA
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Detroit, MI 48226
313.769.5770

Lighting Design Illuminart
5145 Livernois Rd, Suite 100
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Client
The Paradise Valley Cultural and Entertainment District Conservancy

13254 Common Road
Warren, MI 48088

Permits	10/17/2025
Addendum #1	09/17/2025
Bid Set	09/05/2025
Progress Set	08/27/2025
Progress Set	07/09/2025
100% Design Development	08/23/2024

Project
Paradise Valley Alley

Drawing Title
LIGHTING PLAN

Project Number: 2023035.00

Drawn By: ANS Approved By: RMW

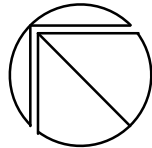
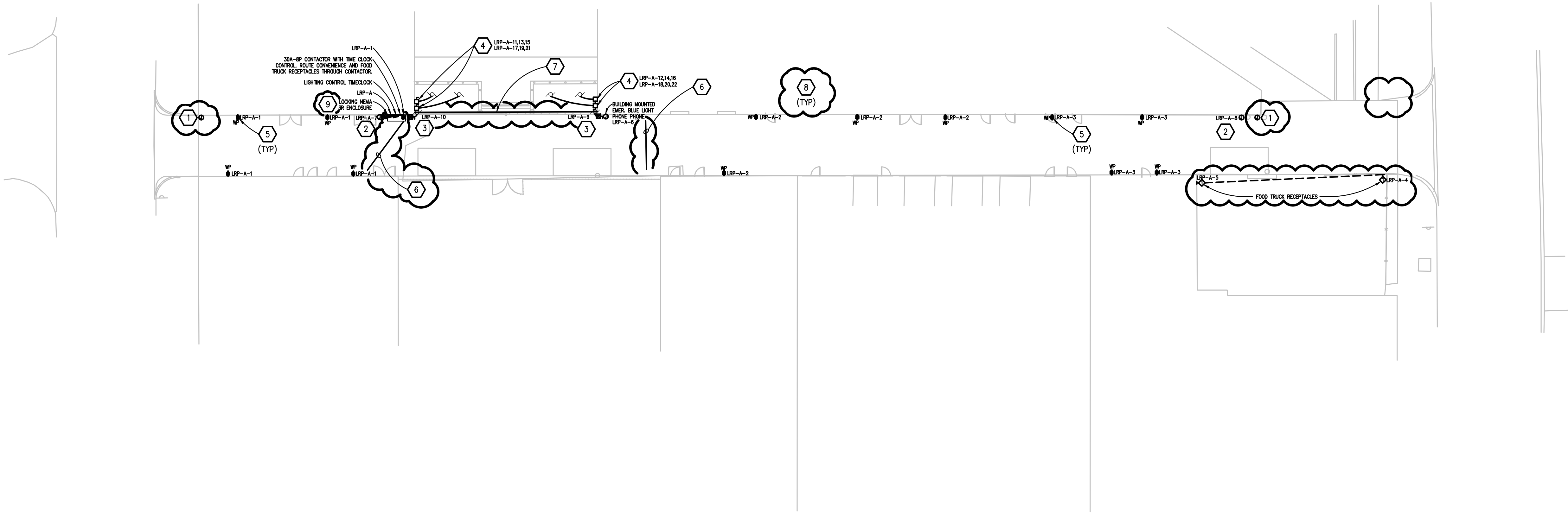
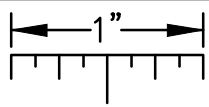
Scale: 1/20"=1'-0"

Seal:

Signature: _____

Drawing No:

E2.1



POWER PLAN
SCALE: 1" = 20'



Know what's below.
Call before you dig.

SITE PLAN GENERAL NOTES:

- THESE NOTES ARE GENERIC GUIDELINES ONLY. ELECTRICAL CONTRACTOR'S PERSONNEL ON SITE SHALL BE THOROUGHLY FAMILIAR WITH THE PUBLISHED SPECIFICATIONS FOR EXACT DESCRIPTIONS OF SCOPE, METHODS, AND MATERIAL.
- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- CONDUCT A SURVEY TO IDENTIFY ALL UNDERGROUND UTILITIES. CALL 811 PRIOR TO EXCAVATION.
- UTILITIES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES, AND ROUTING OF ALL NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- DEWATER TRENCHES PRIOR TO INSTALLATION OF CONDUITS. PROVIDE WATER TIGHT FITTINGS ON ALL UNDERGROUND CONDUITS.
- COORDINATE DEMOLITION WORK, AND ELECTRICAL AND TELEPHONE SERVICES TO THE SITE, WITH THE RESPECTIVE LOCAL UTILITY COMPANY REPRESENTATIVES PRIOR TO COMMENCEMENT OF WORK. INCLUDE ALL ASSOCIATED COST/FEE'S BY THE UTILITY COMPANIES IN THE BID PRICE.
- INSTALL UNDERGROUND CONDUITS 42" BELOW FINISHED GRADE, MINIMUM, UNLESS NOTED OTHERWISE.
- COORDINATE SERVICE SHUT-DOWNS WITH ALL TRADES INVOLVED ON SITE AND OBTAIN WRITTEN AUTHORIZATION FROM OWNER 72 HOURS PRIOR TO ANY ELECTRICAL AND/OR TELEPHONE SHUT-DOWN.
- REMOVE ALL DE-ENERGIZED CONDUCTORS FROM SITE AT COMPLETION OF THE PROJECT.
- OUTDOOR LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM #8 AWG CONDUCTORS (XHHW-2), IN MINIMUM 1" DIA. CONDUIT, UNLESS NOTED OTHERWISE.
- SPARE CONDUITS SHALL INCLUDE PULL STRING AND SHALL BE TERMINATED WITH A CAP.
- EXCAVATE THE ENTIRE LENGTH OF TRENCH TO PROPERLY SET DUCT ELEVATIONS.

CONSTRUCTION KEY NOTES:

- PROVIDE JUNCTION BOX FOR FUTURE SIGNAGE WITH (2) 1-1/4" SPARE CONDUIT BACK TO ELECTRICAL ENCLOSURE. COORDINATE FINAL LOCATION WITH OWNER.
- PROVIDE JUNCTION BOX FOR FUTURE PROJECTOR. COORDINATE LOCATION WITH OWNER. PROVIDE ALLOWANCE FOR 600' OF CONDUIT, 2/0 WIRE, AND DATA CONNECTION FROM ELECTRICAL ENCLOSURE TO EQUIPMENT LOCATION. INCLUDE ALLOWANCE FOR EQUIPMENT REQUIRED TO MOUNT OVER 20' AFF, HANGERS AND SUPPORT, AND TO CHANGE THE CB SIZE FOR THE CIRCUIT SHOWN.
- MOTORIZED COILING DOOR FOR TRASH ENCLOSURE.
- PROVIDE POWER AND DISCONNECT FOR UNTOUCHABLE VIP 3 TRASH COMPACTOR.
- LOCATE ADJACENT TO BENCH. REFERENCE LANDSCAPING ARCHITECTURAL DRAWINGS FOR BENCH LOCATIONS.
- ROUTE CONDUIT 1'-2' ABOVE LIGHTING. PROVIDE A WEATHERHEAD AT EACH END AND PROVIDE APPROPRIATE SUPPORT FOR THE CATENARY WIRING.
- ROUTE CONDUIT ALONG FRAME FOR TRASH ENCLOSURE.
- CONDUIT TO BE SURFACE MOUNTED UNLESS SPECIFICALLY SHOWN AS UNDERGROUND.
- PROPOSED DTE ELECTRICAL METER LOCATION.

Hamilton Anderson Associates, Inc
1435 Randolph Suite 200
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p 313 964 0270 f 313 964 0170
www.hamilton-anderson.com

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313.769.5770

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Peter Basso
Associates
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48098-3276
Tel: 248-879-5666
www.PeterBassoAssociates.com
PBA Project No.: 2024-0248

Client
The Paradise Valley Cultural and
Entertainment District Conservancy

13254 Common Road
Warren, MI 48088

Revised	02/04/2026
Revised	12/11/2025
Permits	10/17/2025
Addendum #1	08/17/2025
Bid Set	08/05/2025
Progress Set	08/27/2025
Progress Set	07/09/2025
100% Design Development	08/23/2024

Project
Paradise Valley Alley

Drawing Title
POWER PLAN

Project Number: 2023035.00

Drawn By: KWA Approved By: EMG

Scale: 1/20"=1'-0"

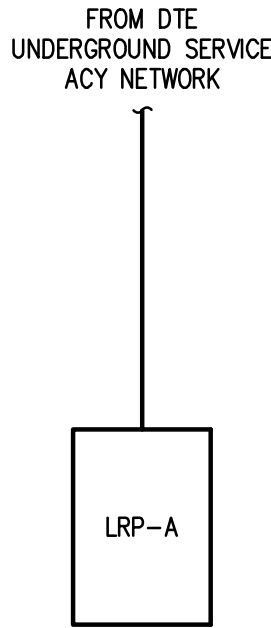
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Signature: _____

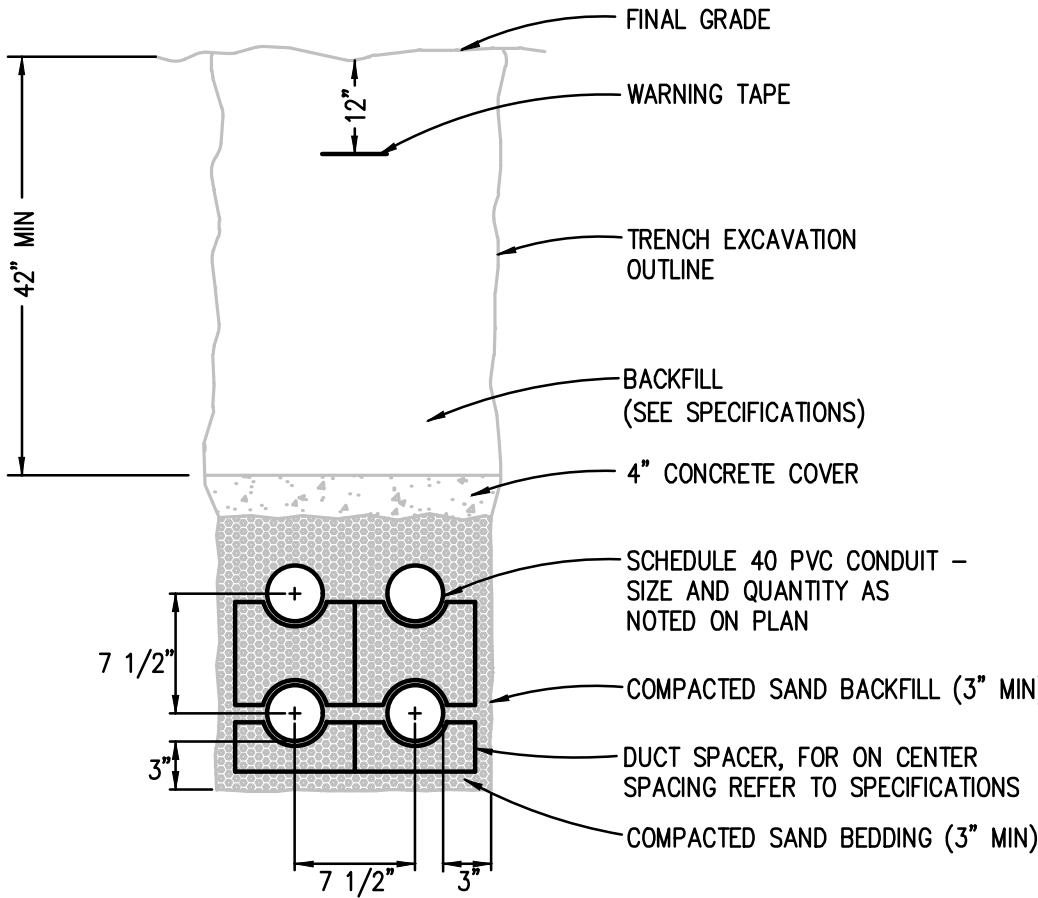
Drawing No:

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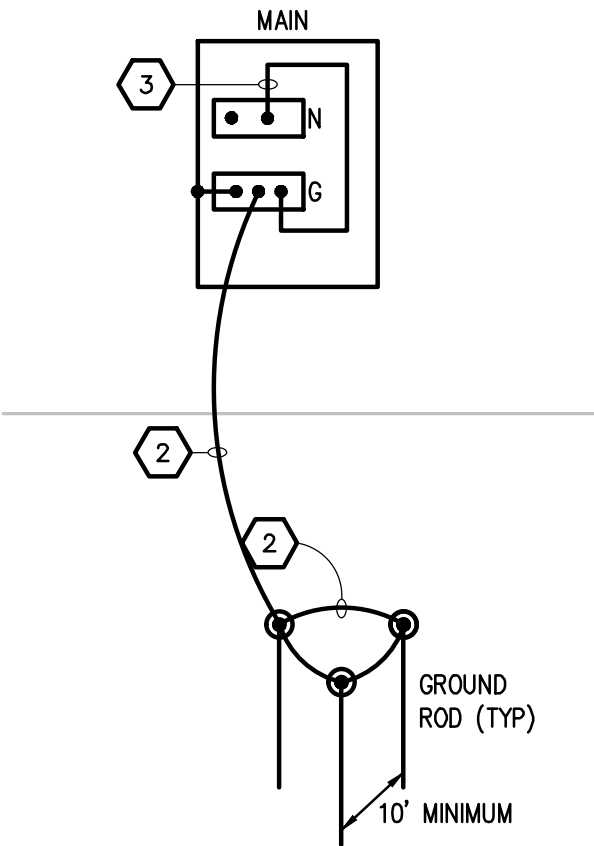
ONE LINE DIAGRAM
NO SCALE



UNDERGROUND CONDUIT DETAIL
NO SCALE

NOTES:

- QUANTITY AND CONFIGURATION OF DUCTS SHALL BE AS SHOWN ON PLAN DRAWINGS. 12" MINIMUM SEPARATION SHALL BE MAINTAINED BETWEEN ELECTRICAL AND COMMUNICATIONS DUCTS.



EXTERIOR BUILDING MOUNTED GROUNDING
NO SCALE

#

KEYED NOTES:

- NOT USED
- GROUNDING ELECTRODE CONDUCTOR, #4/0 COPPER.
- GROUNDING CONDUCTOR (NEUTRAL), SEE ONE LINE DIAGRAM.

PANEL SCHEDULE INDEX	
	LRP-A

DIAGRAM GENERAL NOTES:

- THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE-GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
- BASIS OF DESIGN IS EATON DISTRIBUTION EQUIPMENT AND ASCO TRANSFER SWITCHES. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT FROM OTHER APPROVED MANUFACTURERS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE LAYOUT AND CLEARANCE REQUIREMENTS IN ALL SPACES CONTAINING ELECTRICAL EQUIPMENT AND PROVIDE EQUIPMENT MEETING THE SPECIFICATIONS AND ACHIEVING CODE REQUIRED CLEARANCES WITHIN THE SPACE PROVIDED.

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100% Design Development	08/23/2024

Project
Paradise Valley Alley

Drawing Title
ONE LINE DIAGRAM AND PANEL SCHEDULES

Project Number: 2023035.00

Drawn By: ANS Approved By: EMG

Scale: NONE

Seal:

Signature: _____

Drawing No:

E5.1

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PARADISE VALLEY ALLEY LUMINAIRE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	WATTAGE	VOLTAGE	LIGHT CHARACTERISTICS	CONTROLS	REMARKS
FL1	POST MOUNTED FLOODLIGHT	LUMENPULSE LUMENBEAM SMALL	14 W	120	3000K LED, 90 DEGREE BEAM	ON/OFF	
FL2	WALL MOUNTED FLOODLIGHT	LUMENPULSE LUMENBEAM SMALL	14 W	120	3000K LED, 90 DEGREE BEAM	ON/OFF	
S1	CABLE MOUNTED STRING LIGHTS	TOKISTAR EXHIBITOR	.7 W/FT	24 V	3000K "VIRTUAL INCANDESCENT" LED	ON/OFF	120V TRANSFORMERS
S1 ALT	CABLE MOUNTED STRING LIGHTS	TOKISTAR KROMASTAR	.48 W/FT	24 V	RGBW	DMX	BASIS OF DESIGN PROVIDED FOR BID ALTERNATE
GENERAL NOTES: 1. REFER TO SPECIFICATIONS FOR DETAILED LIGHT FIXTURE CUT SHEETS. 2. WATTAGE LISTED IS FROM THE BASIS OF DESIGN MANUFACTURER. 3. FINISH TO BE APPROVED BY INTERIOR DESIGNER, ARCHITECT OR CLIENT. 4. ALL LUMINAIRES TO BE AS SPECIFIED OR EQUAL APPROVED BY PBA AND/OR ILLUMINART.							

PARADISE VALLEY ALLEY LIGHTING CONTROLS NARRATIVE:

THE LIGHTING IN THE PARADISE VALLEY ALLEY PROJECT SHALL BE CONTORLLABLE VIA DIGITAL TIMECLOCK, AND CONNECTED TO A PHOTOCCELL TO PREVENT THE LIGHTING FROM TURNING ON DURING THE DAY. THE LOCATION AND MOUNTING REQUIREMENTS OF THE PHOTOCCELL ARE TO BE COORDINATED WITH THE BUILDING OWNERS OF THE ALLEY. LOCAL CONTROLS TO BE CONCEALED IN A WEATHER RATED ENCLOSURE THAT IS INACCESSIBLE TO THE PUBLIC, TO PROVIDE SEPARATE ON/OFF CONTROL FOR LIGHTING TYPES S1, FL1 AND FL2.

IF COLOR CHANGING STRING LIGHTING IS DESIRED, A SIMPLE ALTERNATIVE MAY BE PURCHASING A WIRELESSLY CONTROLLED WEATHER RATED COLOR CHANGING STRING LIGHTING WITH AN IR REMOTE FROM A RETAIL PROVIDER.

BID ALTERNATE LIGHTING CONTROLS NARRATIVE:

EACH LIGHTING TYPE IN THE PARADISE VALLEY ALLEY PROJECT SHALL BE DIMMABLE AND SEPARATELY CONTROLLABLE. LIGHTING SHALL BE COLOR CHANGING AND CONTROLLED VIA DMX, AND ZONED GRANULARLY PER UNIT. THE DMX CONTROLS SYSTEM SHALL INCLUDE DEVICES THAT CAN INCORPORATE OTHER DIMMING PROTOCOLS SUCH AS 0-10V AND PHASE DIMMING.

ASTRONOMICAL TIMECLOCK AND PHOTOCCELL CONTROL TO BE PROVIDED, SCHEDULE BY OWNER. THE SCHEDULED "ALL OFF" PRESET SHALL BE COORDINATED WITH OWNER. THIS FUNCTION SHALL HAVE AN OVERRIDE FOR EVENTS THAT RUN LONGER THAN THE SCHEDULED SHUT-OFF. LIGHTING SCENES MAY CONSIST OF STATIC OR PRESET COLOR PALETTES, DYNAMIC COLOR AND DIMMING SEQUENCES OR CHASES, AND LONGER DURATION SEQUENCES THAT ARE ACCESSED MANUALLY, TRIGGERED VIA TIMECLOCK, OR TRIGGERED BY AUDIO-VISUAL CUES. LIGHTING PROGRAMMER TO COORDINATE LIGHTING CONTROLS PRESET SCENES WITH OWNER, WITH THE ABILITY TO CREATE AND MODIFY ADDITIONAL SCENES AND SEQUENCES AFTER INITIAL PROGRAMMING.

LIGHTING SCENES SHALL BE CONTROLLABLE VIA TOUCH SCREEN USER INTERFACE (LOCATION BY OWNER), AS WELL AS SIMPLE PRESET SCENE KEYPAD CONTROL CONCEALED LOCALLY IN A WEATHER RATED ENCLOSURE THAT IS INACCESSIBLE TO THE PUBLIC. INTERFACE GRAPHICS TO BE CUSTOMIZED PER OWNER'S REQUIREMENTS. A LOCAL DATA ACCESS PORT SHALL BE PROVIDED WITHIN THE ALLEY IN A WEATHER RATED ENCLOSURE THAT IS INACCESSIBLE TO THE PUBLIC, TO ALLOW FOR DIRECT CONNECTION TO THE LIGHTING CONTROLS AND AUDIO-VISUAL SYSTEMS.

A WIRELESS ACCESS POINT SHALL BE PROVIDED IN THE ALLEY AT THE OWNER'S DISCRETION TO ALLOW FOR REMOTE OPERATION OF THE LIGHTING CONTROL SYSTEM AND AUDIO-VISUAL SYSTEMS. THE WIRELESS ACCESS SHALL ALLOW FOR A VIRTUAL TOUCHSCREEN FOR REMOTE CONTROL OF THE LIGHTING CONTROL SYSTEM, THAT IS ACCESSIBLE WITHIN THE ALLEY AS WELL AS OFF-SITE. THIS IS TO FACILITATE MONITORING OF THE ALLEY'S LIGHTING CONTROL SETTINGS IF OWNERS ARE NOT PRESENT. OWNER SHALL HAVE THE ABILITY TO PROVIDE MANUAL UNLOCK AND LOCK OF USER ACCESS TO A THIRD PARTY SUCH AS A LOCAL ARTIST, TO TEMPORARILY TAKE CONTROL OF THE LIGHTING CONTROL SYSTEM PRESET SCENES, AND BE GRANTED THE ABILITY TO CREATE AND MODIFY SCENES THAT CAN BE INTEGRATED WITH AUDIO-VISUAL CONTENT IN THE ALLEY.

LIGHTING PRESET SCENES SHALL BE CONTROLLABLE EITHER SEPARATELY, OR TOGETHER WITH AUDIO-VISUAL SEQUENCES. LIGHTING SCENES AND AUDIO-VISUAL CONTENT SHALL BE INTEGRATED SUCH THAT LIGHTING SCENES CAN BE PROGRAMMED TO RESPOND TO OR BE CUED WITH AUDIO-VISUAL CONTENT, AND THE LIGHTING AND AUDIO-VISUAL CONTENT CAN BE IN VIEW PHYSICALLY AS WELL AS WITHIN THE USER DIGITAL INTERFACE WHILE THESE ADJUSTMENTS ARE MADE.

LIGHTING CONTROL SYSTEM SHALL BE SUPPLIED AND COMMISSIONED BY AN APPROVED, FACTORY CERTIFIED RESELLER IN ORDER TO MAINTAIN QUALITY AND TO ASSURE THE FULL DESIGN INTENT. RESELLER SHALL WORK IN COORDINATION WITH THE INSTALLING CONTRACTOR TO ENSURE A SEAMLESS INSTALLATION IS COMPLETED IN A TIMELY MANNER. TRAINING FOR THE LIGHTING CONTROLS SYSTEM TO BE PROVIDED FOR THE OWNER TO CREATE AND MODIFY LIGHTING CONTROLS PRESET SCENES WITHOUT THE ASSISTANCE OF THE MANUFACTURER'S TECHNICIAN. INTEGRATION PATCH SHEETS RECORD DOCUMENTATION AND INSTRUCTIONS TO BE DEVELOPED BY PROGRAMMING TEAM AND PROVIDED TO OWNER.

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Project
Paradise Valley Alley

Drawing Title
LIGHTING SCHEDULES

Project Number: 2023035.00	
Drawn By: ESW	Approved By: RMW
Scale: NONE	
Seal:	

Signature: _____
Drawing No:

E7.1