# CINCINNATI BLACK MUSIC WALK OF FAME SECURITY GUARD BOOTH PROJECT

LOT E, 297 MEHRING WAY, CINCINNATI OH, 45202

#### **PROJECT GENERAL NOTES** A. COORDINATION AND CONSTRUCTION 1. THE CONTRACTOR SHALL COMPLETE ALL WORK REQUIRED AND NECESSARY FOR THE PROJECT IN ACCORDANCE WITH THE CONTRACT, GENERAL CONDITIONS, PROJECT SPECIFICATIONS, DRAWINGS, AND REFERENCED STANDARDS. THE SPECIFICATIONS AND DRAWINGS COMPLEMENT EACH OTHER. THE CONTRACTOR SHALL THOROUGHLY REVIEW BOTH BEFORE PROCEEDING WITH ANY WORK. 2. THE ARCHITECT/ENGINEER'S OBSERVATION AND REVIEW OF CONTRACTORS' PERFORMANCE DOES NOT INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE 3. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. 4. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT FOR SUCCESSFU COMPLETION OF THIS PROJECT. 5. CONTRACTOR SHALL APPLY, SECURE, AND PAY FOR ALL REQUIRED LOCAL PERMITS, FEES, LICENSES. AND APPROVAL FOR COMPLETION OF THE WORK. ANY ADJACENT EXISTING FINISHES AND/OR EQUIPMENT DAMAGED DURING DEMOLITION OR CONSTRUCTION WORK SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE. 7. CONTRACTOR SHALL FURNISH THE OWNER AND ARCHITECT/ENGINEER ACCESS TO ALL WORK AREAS DURING NORMAL WORKING HOURS. 8. CONTRACTOR SHALL DISPOSE OF ALL DEBRIS OFF-SITE IN A LAWFUL MANNER 9. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE AND WORK AREAS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. 10. THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORDERLY SITE AND STORAGE AREA. B. EXISTING CONDITIONS PROTECTION REQUIREMENTS 1. EXISTING GRADE/LANDSCAPING REQUIREMENTS: a. EXAMPLES OF GRADE/LANDSCAPING INCLUDE BUT ARE NOT LIMITED TO PAVERS, PAVING (CONCRETE AND ASPHALT), TREES, SHRUBS, BUSHES, GRASS, SITE FEATURES (SITE WALLS, b. PRIOR TO THE START OF WORK, DOCUMENT (VIDEO OR DIGITAL PHOTO) CONDITION OF GRADE/LANDSCAPING. SUBMIT DOCUMENTATION TO OWNER c. COORDINATE PROTECTION WITH OWNER d. DAMAGE NOT EVIDENT IN DOCUMENTATION OR DAMAGE TO GRADE/LANDSCAPING DURING THE COURSE OF WORK TO BE REPLACED PER OWNER'S DIRECTION AT CONTRACTORS EXPENSE. 1. PROJECT SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE PATRONS, STAFF, GENERAL PUBLIC, WORKERS AND STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO BARRICADES, OVERHEAD PROTECTION, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES. COMPLY WITH THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS. 2. MATERIAL SHALL BE READILY SUITABLE FOR COMPACTION WITH THE MOISTURE CONTENT WITHIN 3. EXAMINE AREAS AND CONDITIONS UNDER WHICH EARTHWORK IS TO BE PERFORMED. NOTIFY OWNER OF ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. E. <u>CONCRETE</u> a. PROVIDE ODOT CLASS C (4,000 PSI) CONCRETE. 2. PROVIDE EASED EDGES ALONG ALL SLAB EDGE. 3. JOINTS NOT INDICATED ON DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY THE 4. PLACE NO PERMANENT LOAD, SUCH AS BOOTH, ON SLABS UNTIL CONCRETE HAS REACHED SPECIFIED 5. COORDINATE CONDUIT ROUTING AND STUB UPS WITH BOOTH MANUFACTURER. E. REINFORCING STEEL ALL REINFORCING BARS: 60 KSI YIELD. 2. REINFORCE SLAB AS SHOWN ON DETAILS. F. MISCELLANEOUS METALS 1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED. G. <u>UTILITIES</u> 1. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES, AND THE OWNER. EXCAVATE OR SURVEY TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS IF SHOWN ON THE CONTRACT DRAWINGS ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE. 2. ALL UTILITIES SHALL BE ADEQUATELY PROTECTED FROM DAMAGE. WHERE UTILITIES ARE ENCOUNTERED, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY, AND THE OWNER BEFORE PROCEEDING. ACTIVE UTILITIES ENCOUNTERED SHALL BE PROTECTED, SUPPORTED, OR RELOCATED AS DIRECTED. INACTIVE AND ABANDONED UTILITIES SHALL BE REMOVED, PLUGGED, OR CAPPED AS DIRECTED. 3. CALL THE APPROPRIATE UTILITIES PROTECTION SERVICE AT LEAST TWO (2) WORKING DAYS BEFORE DIGGING OR OTHER EARTHWORK OPERATION. H. QUALITY CONTROL AND ASSURANCE 1. THE CONTRACTOR SHALL PERFORM QUALITY CONTROL, TESTING AND INSPECTION OF ALL WORK AS REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING REFERENCED CODES, SPECIFICATIONS AND

2. THE ARCHITECT/ENGINEER MAY GENERALLY OBSERVE THE PROGRESS OF THE WORK, BUT THESE

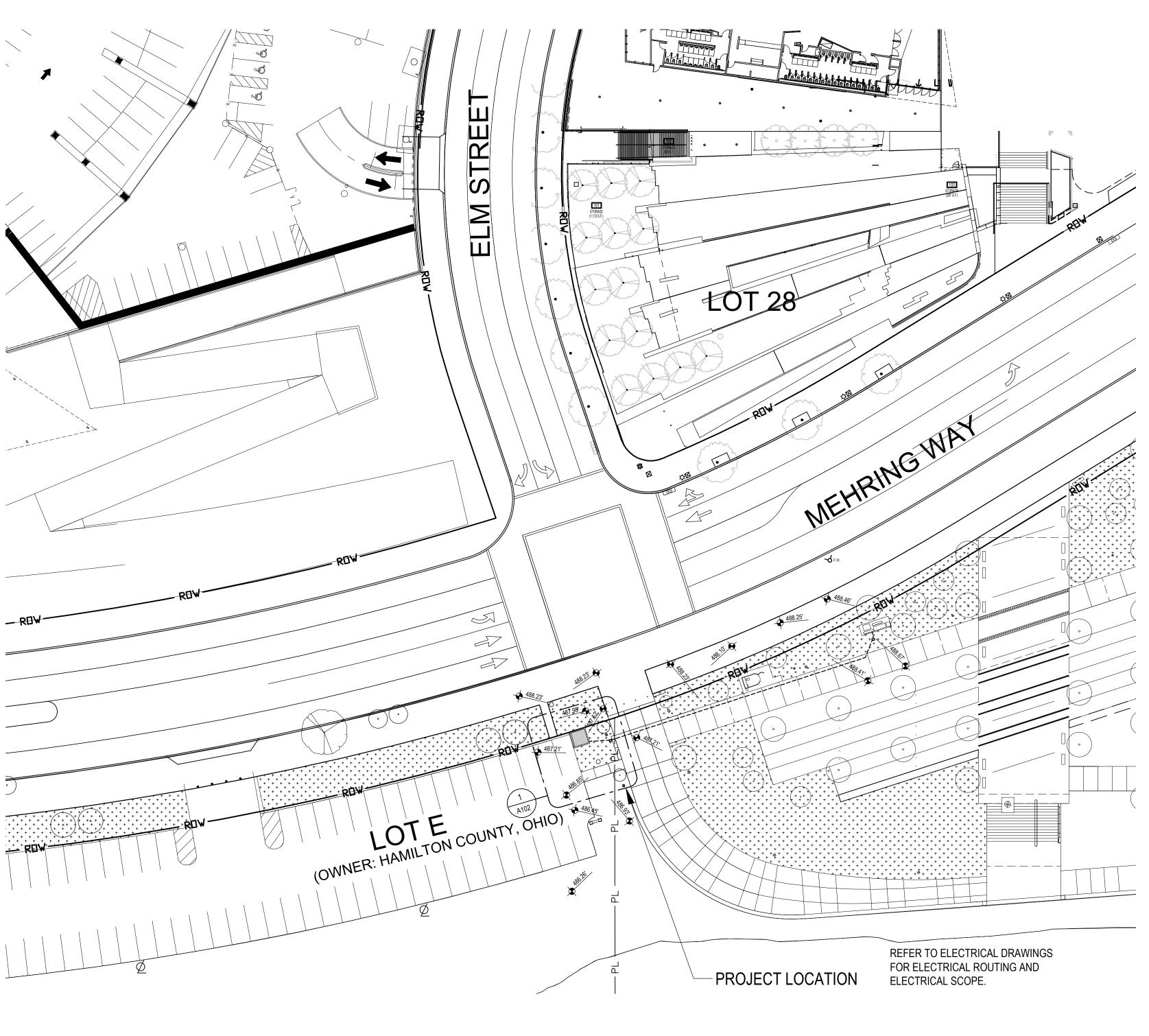
OBSERVATIONS SHALL NOT BE CONSTRUED AS INSPECTION.

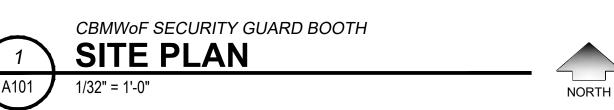
2. CINCINNATI BUILDING CODE (CBC), WHICH SUPPLEMENTS THE OBC

G. APPLICABLE CODES

1. 2024 OHIO BUILDING CODE (OBC).

3. NATIONAL ELECTRIC DOE (NEC).





### **DRAWING INDEX:**

**ARCHITECTURAL:** 

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#### **ELECTRICAL**:

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133440 PREASSEMBLED GUARD BOOTH

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FOR ELECTRICAL SYSTEMS

260504 BASIC ELECTRICAL MATERIALS AND METHODS

260509 EXCAVATION, BACKFILL AND SURFACE RESTORATION

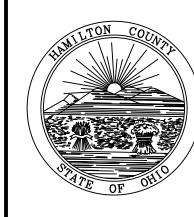
260519A LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS - COPPER

260543 MANHOLES, HANDHOLES, UNDERGROUND DUCTS AND RACEWAYS

260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

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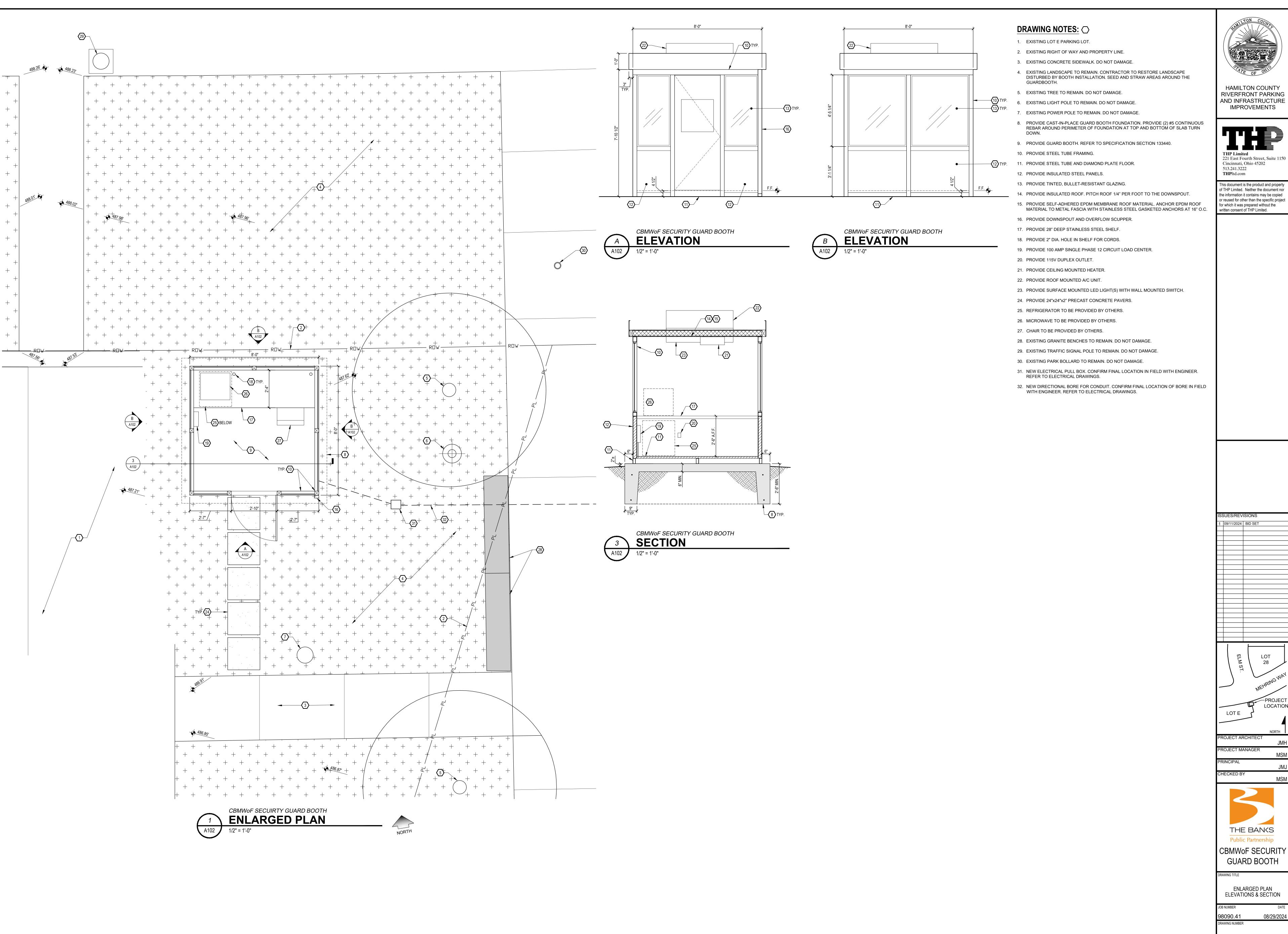


CBMWoF SECURITY **GUARD BOOTH** 

TITLE SHEET PROJECT NOTES & SITE PLAN

98090.41 AWING NUMBER

A101





HAMILTON COUNTY RIVERFRONT PARKING AND INFRASTRUCTURE **IMPROVEMENTS** 



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A102

#### FLECTRICAL SYMBOLS

<b>₩</b> \$	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
Φ \$	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
•	ELECTRICAL CONNECTION.
φ	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). WHEN ₺ SHOWN, RECEPTACLE TO HAVE "CONTROLLED" MARKINGS.
φ	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
φ	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
•	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
Ф	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS NOTED OTHERWISE).
Ψ	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
Φ	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH 2 INTEGRAL USB CHARGERS (18" MH UNLESS NOTED OTHERWISE).
Φ <sup>GF</sup>	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
Φ <sup>WP</sup>	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
Φ <sup>WP/GF</sup>	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.  20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
ΦΤ	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
# ,	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLOOR BOX WITH SA-2525 COVERPLATE AND SC-3091 HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.  FLOOR BOX, # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. IF NO #, PROVIDE HUBBELL BA-2527 FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE AND ONE 20A-125V DUPLEX RECEPTACLE. PROVIDE CARPET FLANGE WHERE REQU
#) <sub>X</sub>	FIRE RATED POKE-THRU, # INDICATES TYPE, REFER TO POKE-THRU (PT) SCHEDULE. IF NO #, PROVIDE HUBBELL 6 INCH RECESSED ACCESS POKE-THRU WITH TWO 20A-125V DUPLEX RECEPTACLES. PROVIDE CARPET FLANGE WHERE REQD.
Φ <sup>IG</sup> Φ <sup>20A</sup>	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
Φ <sup>30A</sup>	20A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE).
φ <sup>50A</sup>	30A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).
φ φ <sup>20A</sup>	50A-125/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE).
φ φ <sup>30A</sup>	20A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).
φ φ <sup>50A</sup>	30A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE).
	50A-250V-3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE).
<u> </u>	JUNCTION BOX.  MULTI-OUTLET RECEPTACLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED
	OTHERWISE).
	WIREMOLD RACEWAY, AS NOTED ON PLANS.  CLOCK HANCED OUTLIET SINCLE NEMA 5 15D DECESSED IN COVER DLATE (94" MH LINI ESS NOTED OTHERWISE)
<u> </u>	CLOCK HANGER OUTLET, SINGLE NEMA 5-15R RECESSED IN COVER PLATE (84" MH UNLESS NOTED OTHERWISE).  SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
2 \$ # \$	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).  MULTI-WAY WALL SWITCH, # INDICATES NUMBER OF WAYS (46" MH UNLESS NOTED OTHERWISE).
\$ P \$	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
\$ K \$	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
\$  \$	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
DM	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
\$ R <b>\$</b>	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND
М	RECEPTACLE. FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS
\$ H <b>\$</b>	NOTED OTHERWISE).  HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
<b>—</b>	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
	DISCONNECT SWITCH.
$\boxtimes$	MOTOR STARTER.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
~	ELECTRIC MOTOR.
∕O <sub>UH</sub>	UNIT HEATER.
Ø <sub>FC</sub>	FAN COIL.
∠ AC	AIR CONDITIONER.
∕O <sub>CU</sub>	CONDENSING UNIT.
<b>⊘</b> <sub>UV</sub>	UNIT VENTILATOR.
©R)	CORD REEL.
PP	POWER POLE.
T	LINE VOLTAGE THERMOSTAT.
Ш <sub>DH</sub>	DUCT HEATER.
H <sub>EB</sub>	ELECTRIC BASEBOARD HEATER.
M	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
H	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
S	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
•	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS 852 (120 VOLT).
	BUZZER (90" MH UNLESS NOTED OTHERWISE) EDWARDS 340-A (120 VOLT).
Вр	4" DIAMETER (90" MH UNLESS NOTED OTHERWISE) EDWARDS "ADAPTABEL" (120 VOLT).
	ELAPSED TIME INDICATOR CLOCK (90" MH UNLESS NOTED OTHERWISE) WITH RESET SWITCH (46" MH UNLESS NOTED OTHERWISE).
PC	PHOTOELECTRIC SENSOR.
[LC]	LIGHTING CONTACTOR.
OS)	CEILING MOUNTED OCCUPANCY SENSOR.
	WALL MOUNTED OCCUPANCY SENSOR.
_	CEILING MOUNTED VACANCY SENSOR.
(VS)	CEILING MODIVIED VACANCT GENOON.
(vs)	WALL MOUNTED VACANCY SENSOR.

AAP	- AREA ALARM PANEL - MEDICAL GAS	HC	- HVAC CONTRACTOR (DIVISION 23)
ACC	- ACCESS	HP	- HORSE POWER OR HIGH POINT
ADJ	- ADJUSTABLE	HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
AFC!	- ARC FAULT CIRCUIT INTERRUPTER	ID	INCIDE DIAMETED
AFCI	- ARC FAULT CIRCUIT INTERRUPTER	ID	- INSIDE DIAMETER
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	IN	- INCHES
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM	1/50	MITCHEN FOLUDATALT CONTRACTOR
ALT	- ALTERNATE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
APPROX	- ACCESS PANEL		LENGTH
APPROX		L	- LENGTH
ARCH	- ARCHITECT OR ARCHITECTURAL	LBS	- POUNDS
ASSY ATS	- ASSEMBLY	MAD	MACTED ALADM DANEL (MEDICAL CAC)
AIS	- AUTOMATIC TRANSFER SWITCH	MAP MAX	- MASTER ALARM PANEL (MEDICAL GAS) - MAXIMUM
BLDG	DI III DINIC	MEZZ	- MEZZANINE
	- BUILDING		
BOE	- BOTTOM OF EQUIPMENT	MFR	- MANUFACTURER
BOT	- BOTTOM	MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER L
BTWN	- BETWEEN		ITEM
0501	00NTD40T0D FURNISHED 00NTD40T0D INOTALLED	MIN	- MINIMUM OR MINUTE
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	MISC	- MISCELLANEOUS
CKT	- CIRCUIT	MTD	- MOUNTED
CLG	- CEILING	MTG	- MOUNTING
CMU	- CONCRETE MASONRY UNIT		
CONN	- CONNECT OR CONNECTION	NIC	- NOT IN CONTRACT
CONTR	- CONTRACTOR	NOM	- NOMINAL
CORR	- CORRIDOR	NTS	- NOT TO SCALE
CTR	- CENTER		
		OD	- OUTSIDE DIAMETER
D	- DEPTH	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
DET	- DETAIL	OFOI	- OWNER FURNISHED OWNER INSTALLED
DIA	- DIAMETER		
DIM	- DIMENSION	PC	- PLUMBING CONTRACTOR (DIVISION 22)
DIV	- DIVISION	PLBG	- PLUMBING
DN	- DOWN		
DWG	- DRAWING	RAD	- RADIUS
		REC	- RECESSED
EA	- EACH	REQD	- REQUIRED
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	RI	- ROUGH-IN
EJ	- EXPANSION JOINT		
ELEC	- ELECTRICAL	S	- SURFACE MOUNTED
ELEV	- ELEVATION OR ELEVATOR	SC	- SECURITY CONTRACTOR
EM	- EMERGENCY	SCH	- SCHEDULE
EQ	- EQUAL	SHT	- SHEET
EQS	- EQUIPMENT SUPPLIER	SMS	- SECURITY MANAGEMENT SYSTEM
EQUIP	- EQUIPMENT	SPEC	- SPECIFICATIONS
E/R	- EXISTING TO BE RELOCATED	SQ	- SQUARE
EX	- EXISTING TO REMAIN	SS	- STAINLESS STEEL
EXP	- EXPANSION	STD	- STANDARD
EXT	- EXTERIOR	STRUC	- STRUCTURAL OR STRUCTURE
		SUC	- SITE UTILITY CONTRACTOR
FCE	- FIRE CONTROL EQUIPMENT		
FF	- FINISHED FLOOR ELEVATION	TC	- TECHNOLOGY CONTRACTOR
FLR	- FLOOR	TEMP	- TEMPERATURE
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)	TOE	- TOP OF EQUIPMENT
FT	- FEET	TYP	- TYPICAL
FTG	- FOOTING	**	-
-	-	UNO	- UNLESS NOTED OTHERWISE
GC	- GENERAL CONTRACTOR	3	
GF	- GROUND FAULT CIRCUIT INTERRUPTER	VFD	- VARIABLE FREQUENCY DRIVE
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR	VOL	- VOLUME
J. J.	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	702	. 520112
GFFT	- GROUND FAULT FEED THRU	W/	- WITH
J	S. CONDITION THEO	W/O	- WITHOUT
		**/~	
		WP	- WEATHERPROOF
		WP	- WEATHERPROOF

GENERAL FLO	OOR PLAN NOTES - ZONE VALVE CABINET
B E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
T2 1	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
3	LIGHTING CONTROL DETAIL NOTE. APPLIES TO THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE FOR ROOM CONTROL.
<b>3</b>	DEVICE QUANTITY - POWER NOTE. REFER TO DEVICE QUANTITIES - POWER SCHEDULE.
	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
4"	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
<b>===</b> 4" <b>===</b>	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
<b>C</b> =====4"=====3	CONDUIT TO BE REMOVED.
EX-	EXISTING WIRE & CONDUIT TO REMAIN.
DAT-	CONDUIT FOR DATA CIRCUITRY.
EMEM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
FA FA	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
	WIRE & CONDUIT FOR INTERCOM SYSTEM CIRCUITRY.
NC	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
NL——NL	WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
PHO	CONDUIT FOR PHONE CIRCUITRY.
S	WIRE & CONDUIT FOR SOUND SYSTEM CIRCUITRY.
SEC	WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY.
TV——	WIRE & CONDUIT FOR TELEVISION SYSTEM CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NOTE:
ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS. ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.



**ELECTRICAL SHEET LIST** 

SINGLE-LINE AND PANELBOARD SCHEDULE
SITE PLAN - ELECTRICAL

LEGEND AND INDEX

SHEET NUMBER



HAMILTON COUNTY RIVERFRONT PARKING AND INFRASTRUCTURE IMPROVEMENTS



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09/11/2024 BID SET



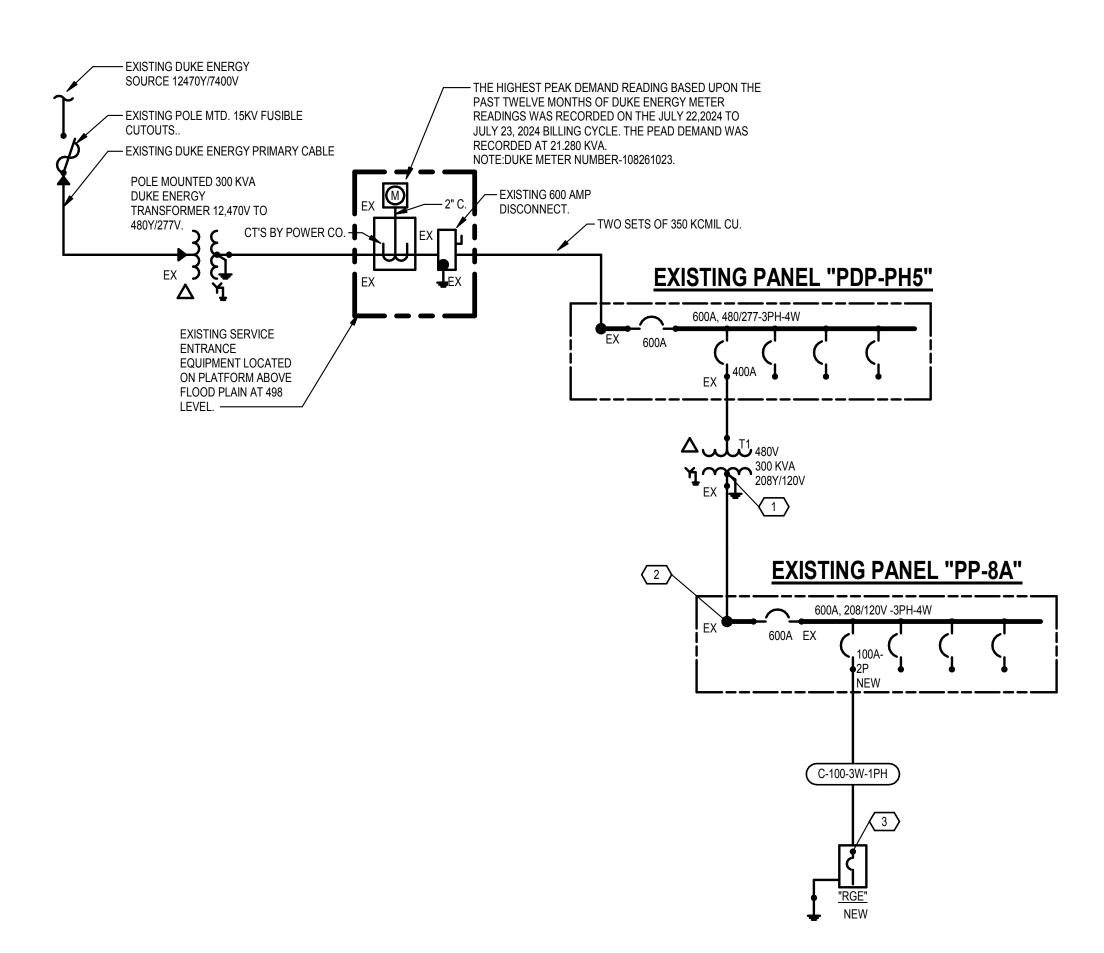
E001

LEGEND AND INDEX

09/11/2024

PROJECT NO. 2024-07129

DRAWING NUMBER



## 1 ELECTRICAL SINGLE-LINE SCALE: NONE

FEEDER WIRE SIZES									
FEEDER TAG # OF SETS # OF CONDUCTORS   CONDUCTOR SIZE   GROUND SIZE   CONDUIT SIZE									
C 100 3W 1PH	1	3	1	8	2"				

	FAULT CUF	RRENT SCH	IEDULE
REF. POINT	DESCRIPTION	EQUIP. RATING	AVAILABLE SHORT CIRCUIT AMPS
1	T1 SECONDARY	EXISTING	20,843
2	PP8A	EXISTING	19,366
3	RGE	10,000	3,991

CVT	Circuit Decemention	Tuin	Dalaa		Α		В	Dalaa	Tuin	Cimanit	Decembelon	CIV
CKT 1	Circuit Description Spare	Trip 20 A	Poles 1	0 VA	0 VA			Poles 1	Trip 20 A		<b>Description</b> Spare	<b>CK</b>
3	Spare	20 A	1	0 1/	0 77	0 VA	0 VA	1	20 A		Spare Spare	4
5	Spare	20 A	1	0 VA	0 VA	0 1/	UVA	1	20 A		Spare	6
7	Spare	20 A	1	0 1/	UVA	0 VA	0 VA	1	20 A		Spare	8
9	Spare	20 A	1	0 VA	0 VA	UVA	UVA	1	20 A		Spare	1
11	Spare	20 A	1	J 1/1	0 7/1	0 VA	0 VA	1	20 A		Spare	1
13	Spare	20 A	1	0 VA	0 VA	0 47	5 V/1	1	20 A		Spare	1
15	Spare	20 A	1	0 1/1	0 7/1	0 VA	0 VA	1	20 A		Spare	1
17	Spare	20 A	1	0 VA	0 VA	0 17	0 171	1	20 A		Spare	1
19	Spare	20 A	1	0 171	0 171	0 VA	0 VA	1	20 A		Spare	2
21	Spare	20 A	1	0 VA	0 VA		<b>. . .</b>	1	20 A		Spare	2
23	Spare	20 A	1			0 VA	0 VA	1	20 A		Spare	2
25	Spare	20 A	1	0 VA	0 VA			1	20 A		Spare	2
27	Spare	20 A	1			0 VA	8320 VA	2	0 A		TED PANEL	2
29	Spare	20 A	1	0 VA	8320 VA							3
	•	Total	Load:	8.3	2 kVA	8.	32 kVA					
_oad C	lassification		Conne	cted	Demand F	actor	Estimated.			Panel	Totals	
Motor			1664	0 VA	125.00	%	20800 VA					
									Total Co	onn. Load:	16.64 kVA	
								T	otal Est	. Demand:	20.8 kVA	
									To	tal Conn.:	80 A	
								T	otal Est	. Demand:	100 A	

	Space								<u> </u>	1			Space	6
7	Space		1		0 VA					3	30 A		Spare	8
9	Space		1				0 VA							10
11	Space		1						0 VA					12
13	Space		1		1646				2 ,,,	3	125 A		EX HP-6	14
15	Space		1		1040		1185				125 A			16
17	·		1				1100		1000					
	Space Space	 400 A		2500	4.470				1292		 105 A		 EV IID 7	18
19	EX NO LABEL FOR T1	400 A	3	3580	1476					3	125 A		EX HP-7	20
21						3580	1015							22
23								3580	9820					24
25	EX MAIN	600 A	3	0 VA	0 VA					3	60 A		EX TVSS	26
27						0 VA	0 VA							28
29								0 VA	0 VA					30
			Load:	67.03	⊥ 3 kVA	57 80	) kVA		1 kVA		<u> </u>			
nad	I Classification	Total		Connecte		Demand F		Estimat				Panel	Totale	
	AND EXISTING			183366		100.00		183366				i anci	lotais	
NLVV /	AND EXISTING			103300	VA	100.00	70	103300	VA	Tota	l Cann	Loodi	102 27 14/4	
													183.37 kVA	
										Total			183.37 kVA	
												Conn.:		
										Total	Est. D	emand:	221 A	
-						-		-						
	TOTAL CONNECT	ΓED									ES'	TIMATE	D DEMAND	
	183.37 kVA										183	.37 kVA	(221 A)	
l Supp	ply From: TRANSFORMER	T1				Enclosu	<b>ng:</b> Sur <b>ıre:</b> Typ			-	Mains	Type:		
	ply From: TRANSFORMER Voltage: 208Y/120V-3P	T1 H-4W				Enclosu	ure: Typ	oe 1			Mains	Type: 1 Rating: 6		<u> </u>
Supp	Voltage: 208Y/120V-3P	H-4W	Poles	,	Α	Enclosu		oe 1		N	Mains Nains F	Rating: 6	600 A	CK
Supp	Voltage: 208Y/120V-3P  Circuit Description	H-4W Trip	Poles			Enclosu	ure: Typ	oe 1	<b>C</b>	Poles	Mains Iains F Trip	Rating: 6	iit Description	
Supp CKT	Voltage: 208Y/120V-3P  Circuit Description  EX EVENT POWER E	H-4W Trip 200 A	3	1680	<b>A</b>	Enclosu	ure: Typ	pe 1	<b>C</b>	Poles	Mains F Mains F Trip 20 A	Circu	iit Description	2
Supr CKT 1 3	Voltage: 208Y/120V-3P  Circuit Description  EX EVENT POWER E	Trip 200 A	3			Enclosu	ure: Typ	oe 1		Poles 1 1	Mains Familians	Circu EX EV	iit Description VENT P RW W	2
<b>CKT</b> 1 3 5	Voltage: 208Y/120V-3P  Circuit Description  EX EVENT POWER E	Trip 200 A  	3	1680	1000	1680	ure: Typ	pe 1	1000	Poles	Mains Fall Indians	Circu EX EV EX EV	iit Description VENT P RW W VENT P RW W	2 4 6
<b>EKT</b> 1 3 5 7	Circuit Description  EX EVENT POWER E	Trip 200 A	3			1680	B 1000	ne 1		Poles	Mains Falains	Circu EX EV EX EV EX EV	iit Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E	4 6 8
<b>CKT</b> 1 3 5 7 9	Voltage: 208Y/120V-3P  Circuit Description  EX EVENT POWER E	Trip 200 A  	3	1680	1000	1680	ure: Typ	ne 1	1000	Poles 1 1 1 1 1	Mains F  Trip  20 A  20 A  20 A  20 A  20 A	Circu EX EV EX EV EX EV EX E	iit Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E VENT P RW E	2 4 6 8 10
<b>CKT</b> 1 3 5 7 9	Circuit Description  EX EVENT POWER E   EX EVENT POWER W	Trip 200 A  200 A	3 3	1680	1000	1680	B 1000	ne 1		Poles	Mains Falains	Circu EX EV EX EV EX EV EX E	iit Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E	2 4 6
CKT 1 3 5 7 9 11	Circuit Description  EX EVENT POWER E    EX EVENT POWER W	Trip 200 A  200 A 	3 3	1680	1000	1680 1680	B 1000	ne 1	1000	Poles 1 1 1 1 1	Mains F  Trip  20 A  20 A  20 A  20 A  20 A	Circu EX EV EX EV EX EV EX E EX E	iit Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E VENT P RW E	2 4 6 8 10 12
CKT 1 3 5 7	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A   200 A	3 3	1680	1000	1680 1680	B 1000	1680	1000	Poles 1 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A 20 A	Circu EX EV EX EV EX EV EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E	2 4 6 8 10 12 14
CKT 1 3 5 7 9 11 13 15	Circuit Description  EX EVENT POWER E    EX EVENT POWER W   Space  Space	Trip 200 A 200 A	3   3  1	1680	1000	1680 1680	1000	1680	1000	Poles 1 1 1 1 1 1 2	Trip 20 A 20 A 20 A 20 A 20 A 20 A 100 A	Circu EX EV EX EV EX EV EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E E AT BOOTH	2 4 6 8 10 12 14 16
5 7 9 11 13 15 17	Circuit Description  EX EVENT POWER E    EX EVENT POWER W   Space  Space  Space	Trip 200 A 200 A	3   3   1 1	1680	1000	1680 1680	1000	1680 1680	1000	Poles 1 1 1 1 1 2 1	Trip 20 A 20 A 20 A 20 A 20 A	Circu EX EV EX EV EX EV EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E STAT BOOTH Space	2 4 6 8 10 12 14 16 18
Suppp  CKT  1 3 5 7 9 11 13 15 17 19	Circuit Description  EX EVENT POWER E  EX EVENT POWER W Space Space Space Space Space	Trip 200 A 200 A	3   3   1 1 1	1680	1000	1680 1680	1000	1680 1680	1000	Poles 1 1 1 1 1 2 1 1	Trip 20 A 20 A 20 A 20 A 20 A 100 A	Circu EX EV EX EV EX EV EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW E SPACE Space	2 4 6 8 10 12 14 16 18 20
5 7 9 11 13 15 17 19 21	Circuit Description  EX EVENT POWER E    EX EVENT POWER W   Space  Space  Space  Space  Space  Space  Space  Space	Trip 200 A 200 A	3   3   1 1 1 1	1680	1000	1680 1680	1000	1680 1680	1000	Poles 1 1 1 1 1 1 2 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A	Circu EX EV EX EV EX EV EX E EX E	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E SPACE Space Space	2 4 6 8 10 12 14 16 18 20 22
Suppp  CKT  1 3 5 7 9 11 13 15 17 19 21 23	Circuit Description EX EVENT POWER E EX EVENT POWER W Space	Trip 200 A 200 A	3   3  1 1 1 1 1	1680	1000	1680 1680	1000	1680 1680	1000	Poles 1 1 1 1 1 2 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A	Circu EX EV EX EV EX E EX E EX E RGI	III Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E SPACE Space Space Space	2 4 6 8 10 12 14 16 18 20 22 24
Suppr CKT 1 3 5 7 9 11 13 15 17 19 21 23 25	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A	3   3   1 1 1 1 1 1	1680	1000	1680 1680	1000 1000	1680 1680	1000	Poles 1 1 1 1 1 1 1 1 1 1 1 3	Trip 20 A 20 A 20 A 20 A 20 A 200 A	Circu EX EV EX EV EX E EX E EX E RGI	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E SPACE Space Space	2 4 6 8 10 12 14 16 18 20 22 24 26
5 CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27	Circuit Description  EX EVENT POWER E  EX EVENT POWER W  Space	Trip 200 A 200 A	3   3  1 1 1 1 1 1 1	1680	1000	1680 1680	1000	1680 1680	1000	Poles 1 1 1 1 1 2 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A	Circu EX EV EX EV EX E EX E EX E RGI	III Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E SPACE Space Space Space	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Suppp  CKT  1 3 5 7 9 11 13 15 17 19 21 23 25	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A	3   3  1 1 1 1 1 1 1 1	1680	1000 1000 8320 1680	1680 1680	1000 1000 1080	1680 1680	1000	Poles 1 1 1 1 1 1 1 1 1 1 1 3	Trip 20 A 20 A 20 A 20 A 20 A 200 A	Circu EX EV EX EV EX E EX E EX E RGI	III Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space OSE GARDEN	2 4 6 8 10 12 14 16 18 20 22 24 26 28
5 CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27	Circuit Description  EX EVENT POWER E  EX EVENT POWER W  Space	Trip 200 A 200 A	3   3  1 1 1 1 1 1 1	1680	1000	1680 1680	1000 1000	1680 1680	1000	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A 100 A 200 A	Circu EX EV EX EV EX E EX E EX E RGI	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E SPACE Space Space Space Space Space Space OSE GARDEN	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	Circuit Description  EX EVENT POWER E  EX EVENT POWER W  Space	Trip 200 A 200 A	3  3  1 1 1 1 1 1 1 1 1 1 Load:	1680	1000 1000 8320 1680	1680 1680	1000 1000 1000 8320	1680 1680	1000 1000  1680	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A 100 A 200 A	Circu EX EV EX EV EX E EX E EX E RGI	III Description VENT P RW W VENT P RW W VENT P RW E SPACE	2 4 6 8 10
Suppr CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 Load	Circuit Description EX EVENT POWER E EX EVENT POWER W Space	Trip 200 A 200 A Total	3  3  1 1 1 1 1 1 1 1 1 1 Load:	1680 1680	1000 1000 8320 1680 2 kVA	1680 1680	1000 1000 1000 8320 1680 2 kVA	1680 1680	1000 1000  1680 0 kVA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip 20 A 20 A 20 A 20 A 20 A 100 A 200 A	Circu EX EV EX EV EX E EX E EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW E SPACE	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 Load	Circuit Description EX EVENT POWER E EX EVENT POWER W Space	Trip 200 A 200 A Total	3 	1680 1680	1000 1000 8320 1680 2 kVA	1680 1680 1680 60.72	1000 1000 1000 1680 2 kVA Factor	1680 1680 152.40 Estimat	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 3	Mains Flains Fla	Circu EX EV EX EV EX E EX E EX E EX E	III Description VENT P RW W VENT P RW W VENT P RW E SPACE	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680   60.72 Connected	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 1680 1680 1680 1680 1680	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 Tota	Mains Flains F 20 A 20 A 20 A 20 A 100 A 200 A 200 A	Circu EX EV EX EV EX E EX E EX E EX E EX E	Sit Description VENT P RW W VENT P RW W VENT P RW E Space Space Space Space Space Space Space Totals	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description EX EVENT POWER E EX EVENT POWER W Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 1 Tota	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E E AT BOOTH Space Space Space Space Space Space Totals  173.84 kVA	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
Supp CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 4 6 6 8 8 8 100 112 112 112 112 112 112 112 112 112
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A Total	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Trip 20 A	Circu EX EV EX EV EX E EX E EX E EX E EX E EX	Sit Description VENT P RW W VENT P RW W VENT P RW E SPACE Space Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Mains Flains F 20 A 20 A 20 A 20 A 100 A 200 A 200 A Total Est. D	Circu EX EV EX EV EX EV EX E EX E EX E EX E E	III Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E E AT BOOTH Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A 298 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Mains Flains F    Trip   20 A   20 A   20 A   20 A   20 A	Circu EX	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E E AT BOOTH Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A 298 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28
CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29  Load  NEW F EX EV EX RE	Circuit Description  EX EVENT POWER E   EX EVENT POWER W   Space	Trip 200 A 200 A	3 	1680 1680 60.72 Connecte 16640 \ 151200	1000 1000 8320 1680 2 kVA ed [C	1680 1680 1680 60.73 Demand F 125.00 53.31	1000 1000 1000 8320 1680 2 kVA Factor	1680 1680 1680 52.40 Estimat 20800 80600	1000 1000 1000 1680 0 kVA ed VA	Poles 1 1 1 1 1 1 1 1 1 1 1 1 Total	Mains Flains F    Trip   20 A   20 A   20 A   20 A   20 A	Circu EX EV EX EV EX EV EX E EX E EX E EX E E	Sit Description VENT P RW W VENT P RW W VENT P RW E VENT P RW E VENT P RW E VENT P RW E E AT BOOTH Space Space Space Space Space Totals  173.84 kVA 107.4 kVA 483 A 298 A	2 4 6 8 10 12 14 16 18 20 22 24 26 28

**Mounting:** Surface **Enclosure:** Type 1

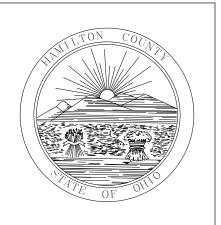
A.I.C. Rating: EXISTING Mains Type: MB Mains Rating: 600 A

Panel: PDP-PH5 EXISTING

Location: OUTSIDE
Supply From: SERVICE DISCONNECT
Voltage: 480Y/277V-3PH-4W

#### **ELECTRICAL SINGLE-LINE LEGEND**

Г	CONDUIT & WIRE
	CONDUIT & WIRE TO BE REMOVED
	EXISTING CONDUIT & WIRE TO REMAIN
	INTEGRATED EQUIPMENT ENCLOSURE
	SWITCHBOARD ENCLOSURE
	BUSSING
<b>(#)</b>	FAULT CURRENT REFERENCE POINT
WPH	FEEDER WIRE SIZE SYMBOL  — SPECIAL CONFIGURATION: 2P=TWO POLE NO NEUTRAL, S=SECONDARY, SE=SERVICE ENTRANCE, V=VOLTAGE DROP
	—# OF PHASES
	—# OF CONDUCTORS — FEEDER AMPERAGE
	— FEEDER AMFERAGE — MATERIAL, A=ALUMINUM, C=COPPER
N E	AUTOMATIC TRANSFER SWITCH
EN	AUTOMATIC TRANSFER SWITCH - BYPASS
ZZZ •	BUS DUCT
REMOVABLE BUS LINK	BUS LINK
<b>│ ←</b> ≪──☐→≫•	CIRCUIT BREAKER - MEDIUM VOLTAGE DRAWOUT
Δ	DELTA SYMBOL
	DIOCONI TOT
	DISCONNECT
•< ↔	DRAWOUT CONNECTION
	BIOWOOT CONNECTION
	ELECTRIC METER
(A)	EQUIPMENT AMMETER
46	EQUIPMENT CAPACITOR
75	EQUIF WIENT CAPACITOR
<b></b>	EQUIPMENT CONTACTOR
	EQUIPMENT CURRENT TRANSFORMER
1	EQUIPMENT GROUND
<u> </u>	Eggii WENT GROOND
•	EQUIPMENT LIGHTNING ARRESTOR
	FOURDMENT MULTIMETED
<b>M</b>	EQUIPMENT MULTIMETER
38	EQUIPMENT POTENTIAL TRANSFORMER
SWBD METERING	EQUIPMENT SWITCHBOARD METER
<u> </u>	
Ø	EQUIPMENT VOLTMETER
Ţ	EQUIPMENT WYE SIDE OF TRANSFORMER WITH GROUND
•	FUSED CUTOUT
<u> </u>	
<b>←</b> \	FUSED SWITCH - PRIMARY
<b>←</b> ~ ~ ~	FUSED SWITCH - SECONDARY
<b>©</b>	GENERATOR
GFP GFP	GROUND FAULT PROTECTOR
K	KEYED INTERLOCK
<b>⋄</b>	MOTOR
	MOTOR STARTER
4⊠	MOTOR STARTER AND DISCONNECT
T P	
	PANELBOARD - MAIN LUG ONLY
	PANELBOARD - DOUBLE SET OF LUGS
	PANELBOARD - MAIN BREAKER
	DANIEL DOADD DDEAVED
<u>~</u>	PANELBOARD BREAKER
×	SHORT CIRCUIT FAULT LOCATION
	SINGLE POLE SWITCH
[	ONOLE I OLL OWITOIT
	OUDOE DDOTECTIVE DEVICE
	SURGE PROTECTIVE DEVICE
. ↑	
	TAP SWITCH WITH GROUND POSITION
+	
<b>A.</b> . <b>†</b> .	
2000	TRANSFORMER
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
<b>—</b>	
│ <b>│</b> ◆⌒ <del>┃</del> █╈█╌╱╸│	
	UNINTERRUPTIBLE POWER SYSTEM
↓~••	
VFD	VARIABLE FREQUENCY DRIVE
	VOLTAGE TERMINATION
	VOLTAGE TERMINATION - PRIMARY
<b>△</b> OD <b>△</b>	VOLTAGE TERMINATION SECONDARY
● OR ●	VOLTAGE TERMINATION - SECONDARY



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



100 East Eighth Street Cincinnati, Ohio 45202 Phone: 513.241.3222 www.thpltd.com

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9/9/2024

ISSUES/REVISIONS

1 09/11/2024 BID SET

ELM 28
ST.

LOT 28
PROJECT LOCATION

NORTH
PROJECT ARCHITECT

PROJECT MANAGER

PRINCIPAL

PROJECT MANAGER

CF
PRINCIPAL

CHECKED BY

D'

THE BANKS
Public Partnership
CBMWoF

GUARD BOOTH

SINGLE-LINE AND PANELBOARD SCHEDULE

JOB NUMBER DATE

98090.41 09/11/2024

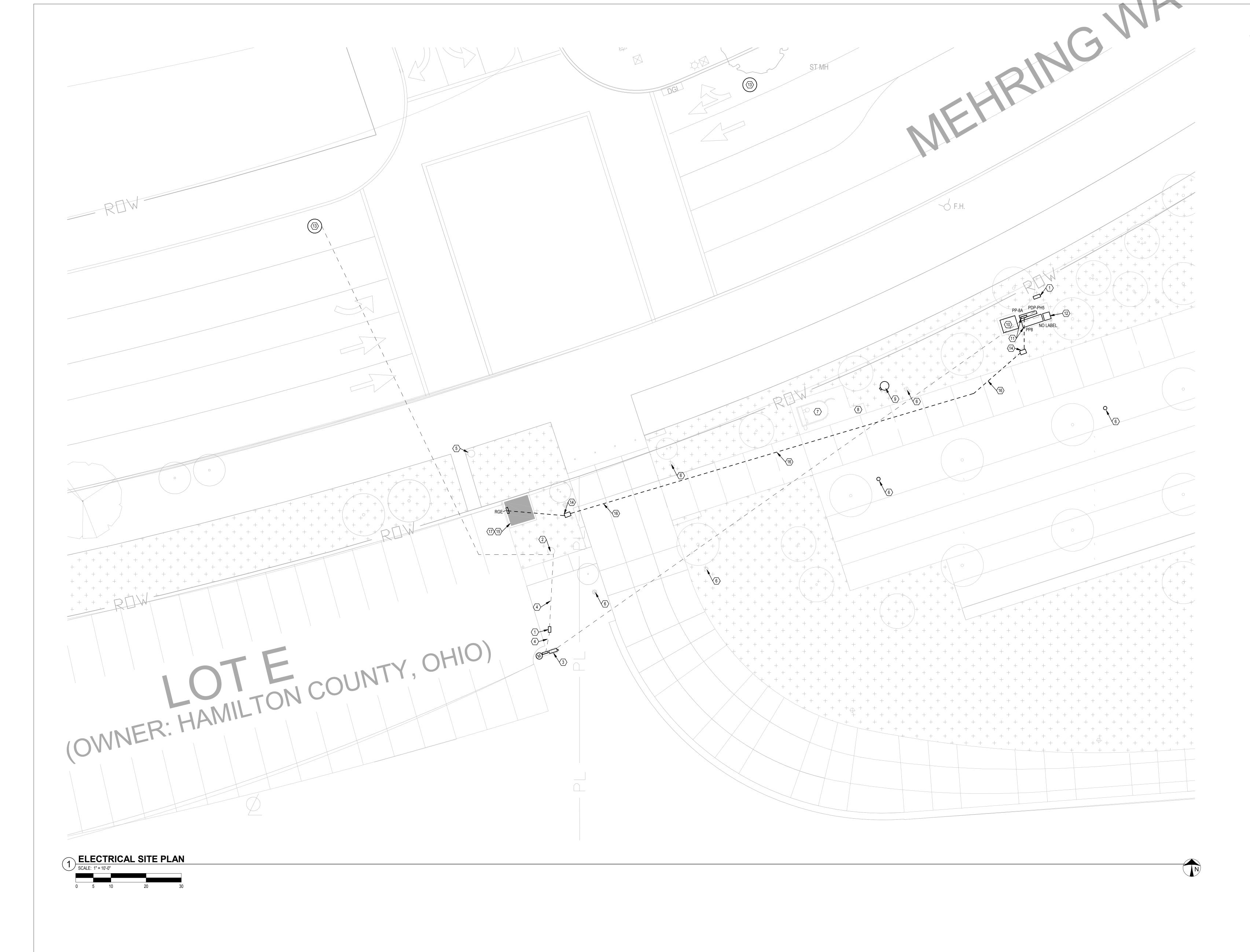
DRAWING NUMBER

PROJECT NO. 2024-07129

DRAWING NUMBER

DRAWING NUMBER

E002



#### ○ NOTES

- EXISTING ELECTRICAL PULL BOX.
   EXISTING DUKE ENERGY POLE WITH TRANSFORMERS.
   EXISTING RAISED PLATFORM WITH CT CABINET, METER AND 400 AMP SERVICE ENTRANCE
- DISCONNECT.

  4. EXISTING 4" SECONDARY CONDUIT FROM POLE MOUNTED UTILITY TRANSFORMER TO PLATFORM.
- 5. EXISTING STREET LIGHTING AND TRAFFIC CONTROL
- 6. EXISTING POLE LIGHT FOR PEDESTRIAN WALKWAY.7. EXISTING REST ROOM.
- EXISTING REST ROOM.
   EXISTING DRINKING FOUNTAIN.
   EXISTING PUMP LIFT STATION.
   EXISTING 300 KVA, 480V-208V/120V, 3PH, 4W
- TRANSFORMER.

  11. EXISTING PANELBOARDS IN EXISTING NEMA 3R STAINLESS ENCLOSURES.
- 12. EXISTING AV RACK. 13. EXISTING ELECTRIC MH.
- 14. NEW PULL BOX H-20 RATED FOR VEHICLES.
- 15. NEW GUARD BOOTH.
  16. DIRECTIONAL BORE UNDER EXISTING HARD SURFACES.
- 17. EC TO PROVIDE 100 AMP- 208V- SINGLE PHASE
  FEEDER TO NEW GUARD SHACK SIZED PER SINGLE
  LINE. ALL WIRING IN GUARD SHACK IS PRETERMINATED. SET GROUND ROD AND EXTEND GROUND WIRE TO PANEL GROUND BAR.



HAMILTON COUNTY

RIVERFRONT PARKING AND INFRASTRUCTURE

100 East Eighth Street Cincinnati, Ohio 45202 Phone: 513.241.3222 www.thpltd.com

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THE BANKS Public Partnership CBMWoF

**GUARD BOOTH** 

SITE PLAN - ELECTRICAL

09/11/2024 PROJECT NO.

DRAWING NUMBER

DRAWING NUMBER

E101