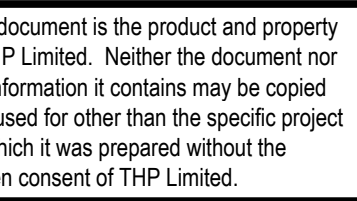
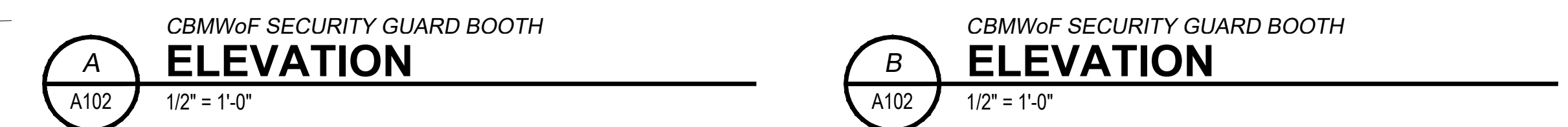


RE-BID 4/11/25



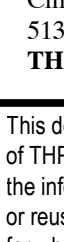
ELECTRICAL:	
260501	BASIC ELECTRICAL REQUIREMENTS
260504	BASIC ELECTRICAL MATERIALS AND METHODS
260509	EXCAVATION, BACKFILL AND SURFACE RESTORATION
260519A	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS - COPPER
260526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
260533	RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
260543	MANHOLES, HANDHOLES, UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS
260553	IDENTIFICATION FOR ELECTRICAL SYSTEMS





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HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



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THE BANKS
Public Partnership

**CBMWoF SECURITY
GUARD BOOTH**

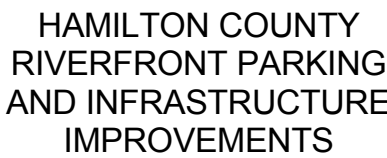
A102

	DASH SYMBOL, INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). WHEN U SHOWN, RECEPTACLE TO HAVE "CONTROLLED" MARKINGS.
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH, (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH 2 INTEGRAL USB CHARGERS (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH TAYMAC MMA242G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH TAYMAC MMA242G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
	20-125V 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-393T 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-362S COVERPLATE AND ONE 20A-125V DUPLEX RECEPTACLE. PROVIDE CARPET FLANGE WHERE REQD.
	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 RECEPTABLES. PROVIDE CARPET FLANGE WHERE REQD.
	20-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH ISOLATED GROUND (18" MH UNLESS NOTED OTHERWISE).
	20A-125V 1PH-4W SINGLE RECEPTACLE, NEMA 14-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V 1PH-4W SINGLE RECEPTACLE, NEMA 14-30R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V 1PH-4W SINGLE RECEPTACLE, NEMA 14-50R (18" MH UNLESS NOTED OTHERWISE).
	20A-250V 3PH-4W SINGLE RECEPTACLE, NEMA 15-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-250V 3PH-4W SINGLE RECEPTACLE, NEMA 15-30R (18" MH UNLESS NOTED OTHERWISE).
	20A-250V 3PH-4W SINGLE RECEPTACLE, NEMA 15-50R (18" MH UNLESS NOTED OTHERWISE).
	JUNCTION BOX
	MULTI-OUTLET RECEPTABLES ASSEMBLY, NEMA 5-15R (SINGLE OUTLETS ON 18" CENTERS) (46" MH UNLESS NOTED OTHERWISE).
	WIREFORM RACEWAY, AS NOTED ON PLANS.
	CLOCK HANGER OUTLET, SINGLE NEMA 5-15R RECESSED IN COVER PLATE (84" MH UNLESS NOTED OTHERWISE).
	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	MULTI-WAY WALL SWITCH, # INDICATES NUMBER OF WAYS (46" MH UNLESS NOTED OTHERWISE).
	SWITCH WITH NEON PILOT LIGHT, ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
	SWITCH WITH RECEPTACLE (46" MH UNLESS NOTED OTHERWISE) STANDARD TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.
	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
	PULL BOX.
	DISCONNECT SWITCH.
	MOTOR STARTER.
	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.
	UNIT HEATER.
	FAN COIL.
	AIR CONDITIONER.
	CONDENSING UNIT.
	UNIT VENTILATOR.
	CORD REEL.
	POWER POLE.
	LINE VOLTAGE THERMOSTAT.
	DUCT HEATER.
	ELECTRIC BASEBOARD HEATER.
	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).
	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS B52 (120 VOLTS).
	BUZZER (90" MH UNLESS NOTED OTHERWISE) EDWARDS 340-A (120 VOLTS).
	4" DIAMETER (90" MH UNLESS NOTED OTHERWISE) EDWARDS "ADAPTABEL" (120 VOLTS).
	ELAPSED TIME INDICATOR CLOCK (90" MH UNLESS NOTED OTHERWISE) WITH RESET SWITCH (46" MH UNLESS NOTED OTHERWISE).
	PHOTOELECTRIC SENSOR.
	LIGHTING CONTACTOR.
	CEILING MOUNTED OCCUPANCY SENSOR.
	WALL MOUNTED OCCUPANCY SENSOR.
	CEILING MOUNTED VACANCY SENSOR.
	WALL MOUNTED VACANCY SENSOR.
	CEILING MOUNTED DAYLIGHT SENSOR.
	OCCUPANCY SENSOR POWER PACK.

APC	- 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
AF	- ARC FAULT CIRCUIT INTERRUPTER		
AFCI	- ARC FAULT CIRCUIT INTERRUPTER	ID	- INSIDE DIAMETER
ALT	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM	IN	- INCHES
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM		
AL	- ALTERNATE	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AP	- ACCESS PANEL		
APPROX	- APPROXIMATE	L	- LENGTH
ARCH	- ARCHITECT OR ARCHITECTURAL	LBS	- POUNDS
ASSY	- ASSEMBLY		
ATS	- AUTOMATIC TRANSFER SWITCH	MAP	- MASTER ALARM PANEL (MEDICAL GAS)
		MAX	- MAXIMUM
BDD	- BUILDING	MEZZ	- MEZZANINE
BOE	- BOTTOM OF EQUIPMENT	MF	- MANUFACTURER
BOT	- BOTTOM	MH	- MAIN-PILE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
BTWN	- BETWEEN	MIN	- MINIMUM OR MINUTE
		MISC	- MISCELLANEOUS
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	MTD	- MOUNTED
CKT	- CIRCUIT	MTG	- MOUNTING
CLG	- CEILING		
OMU	- CONCRETE MASONRY UNIT	NC	- NOT IN CONTRACT
CONN	- CONNECT OR CONNECTION	NOM	- NOMINAL
CONTR	- CONTRACTOR	NTS	- NOT TO SCALE
CORR	- CORRIDOR		
CTR	- CENTER	OD	- OUTSIDE DIAMETER
		OCFI	- OWNER FURNISHED CONTRACTOR INSTALLED
DET	- DETECT	OCFI	- OWNER FURNISHED OWNER INSTALLED
DIA	- DIAMETER		
DIM	- DIMENSION	PC	- PLUMBING CONTRACTOR (DIVISION 22)
DW	- DOWN	PLBG	- PLUMBING
DWG	- DRAWING		
		RAD	- RADIUS
EA	- EACH	REC	- REDUCED
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	REQ	- REQUIRED
EJ	- EXPANSION JOINT	RI	- ROUGH-IN
ELEV	- ELEVATION	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
ER	- EXISTING TO BE RELOCATED	SQ	- SQUARE
EX	- EXISTING TO REMAIN	SS	- STAINLESS STEEL
EXP	- EXPANSION	STD	- STANDARD
EXT	- EXTERIOR	STRUC	- STRUCTURE OR STRUCTURE
		SUC	- SITE UTILITY CONTRACTOR
		TC	- TECHNOLOGY CONTRACTOR
FLR	- FINISHED FLOOR ELEVATION	TEMP	- TEMPERATURE
FF	- FLOOR	TOE	- TOP OF EQUIPMENT
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)	TYP	- TYPICAL
FT	- FEET		
FTG	- FOOTING	UNO	- UNLESS NOTED OTHERWISE
GC	- GENERAL CONTRACTOR	VFD	- VARIABLE FREQUENCY DRIVE
GF	- GROUND FAULT CIRCUIT INTERRUPTER	VOL	- VOLUME
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR		
	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	W/	- WITH
GFFT	- GROUND FAULT FEED THRU	WO	- WITHOUT
		WP	- WEATHERPROOF
		ZVC	- ZONE VALVE CABINET

	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
	PLAN NOTE: APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
	DETAIL NOTE: APPLIES ONLY TO THE ASSOCIATED DETAIL.
	LIGHTING CONTROL DETAIL NOTE: APPLIES TO THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE FOR ROOM CONTROL
	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.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
	EXISTING WIRE & CONDUIT TO REMAIN.
	CONDUIT FOR DATA CIRCUITRY.
	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
	WIRE & CONDUIT FOR INTERCOM SYSTEM CIRCUITRY.
	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
	WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
	CONDUIT FOR PHONE CIRCUITRY.
	WIRE & CONDUIT FOR SOUND SYSTEM CIRCUITRY.
	WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY.
	WIRE & CONDUIT FOR TELEVISION SYSTEM CIRCUITRY.
	WIRE RUN IN SURFACE WIREWAY.
	CABLE MANAGEMENT SYSTEM PATHWAY.
	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
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PROJECT ARCHITECT 17

PROJECT MANAGER

PRINCIPAL _____

PRINCIPAL

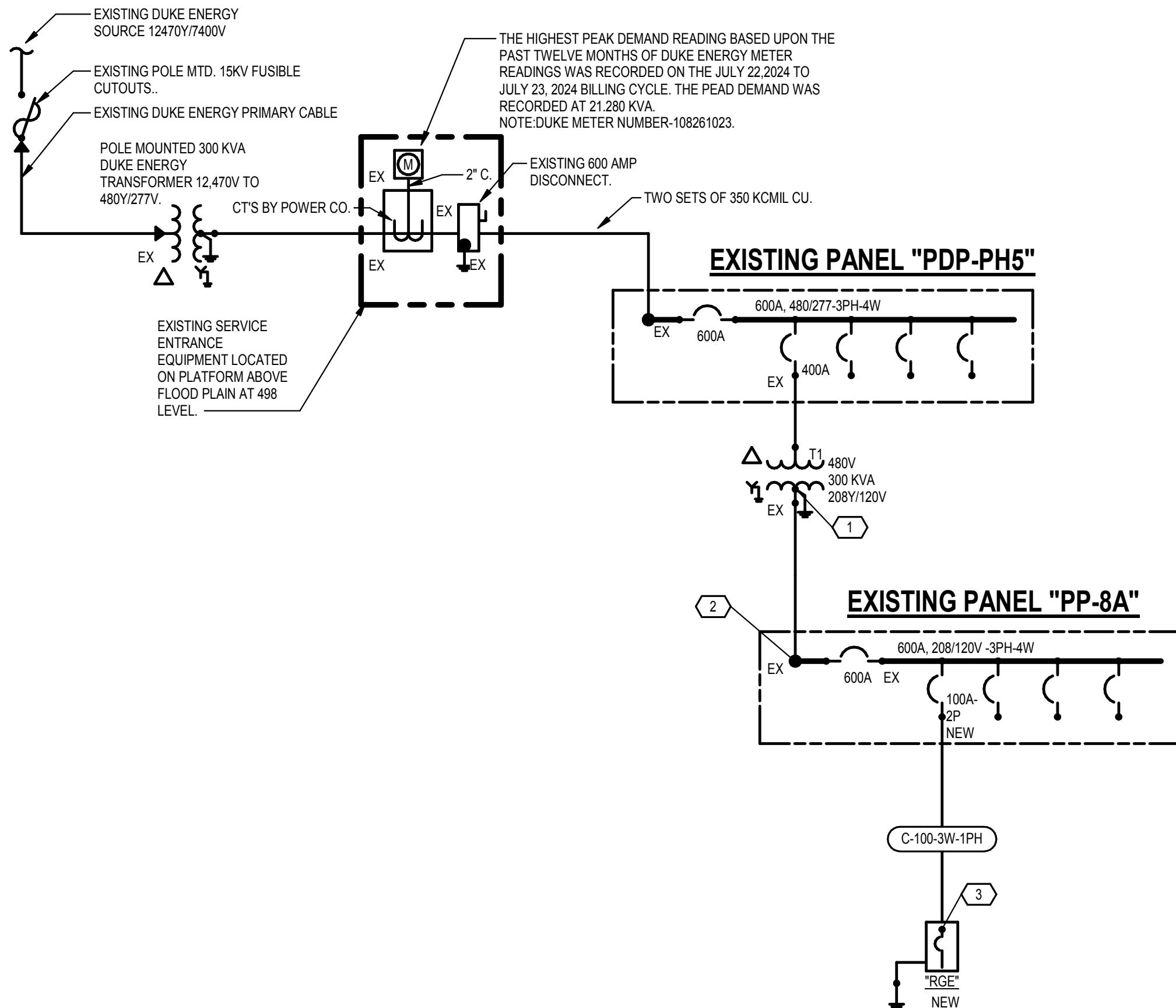


DRAWING TITLE

LEGEND AND INDEX

OB NUMBER	DATE
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00000 44 00/44/202



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 CURRENT SCHEDULE

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

Panel: RGE										NEW	
Location: BOOTH				Mounting: Surface				A.I.C. Rating: 10,000			
Supply From: PP-8A				Enclosure: Type 1				Mains Type: MB			
Voltage: 208/120V-1PH-3W								Mains Rating: 100 A			
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	2
3	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	4
5	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	6
7	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	8
9	Spare	20 A	1					1	20 A	Spare	10
11	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	16
17	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	18
19	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	20
21	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	Spare	26
27	Spare	20 A	1			0 VA	8320 VA	2	0 A	PROJECTED PANEL...	28
29	Spare	20 A	1	0 VA	8320 VA			--	--	--	30
Total Load:				8.32 kVA		8.32 kVA					
Load Classification		Connected...		Demand Factor		Estimated...		Panel Totals			
Motor		16640 VA		125.00%		20800 VA		Total Conn. Load: 16.64 kVA			
								Total Est. Demand: 20.8 kVA			
								Total Conn.: 80 A			
								Total Est. Demand: 100 A			
Notes: 1) PANELBOARD PROVIDED WITH BOOTH.											

