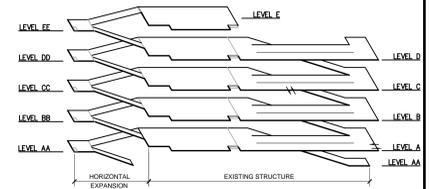
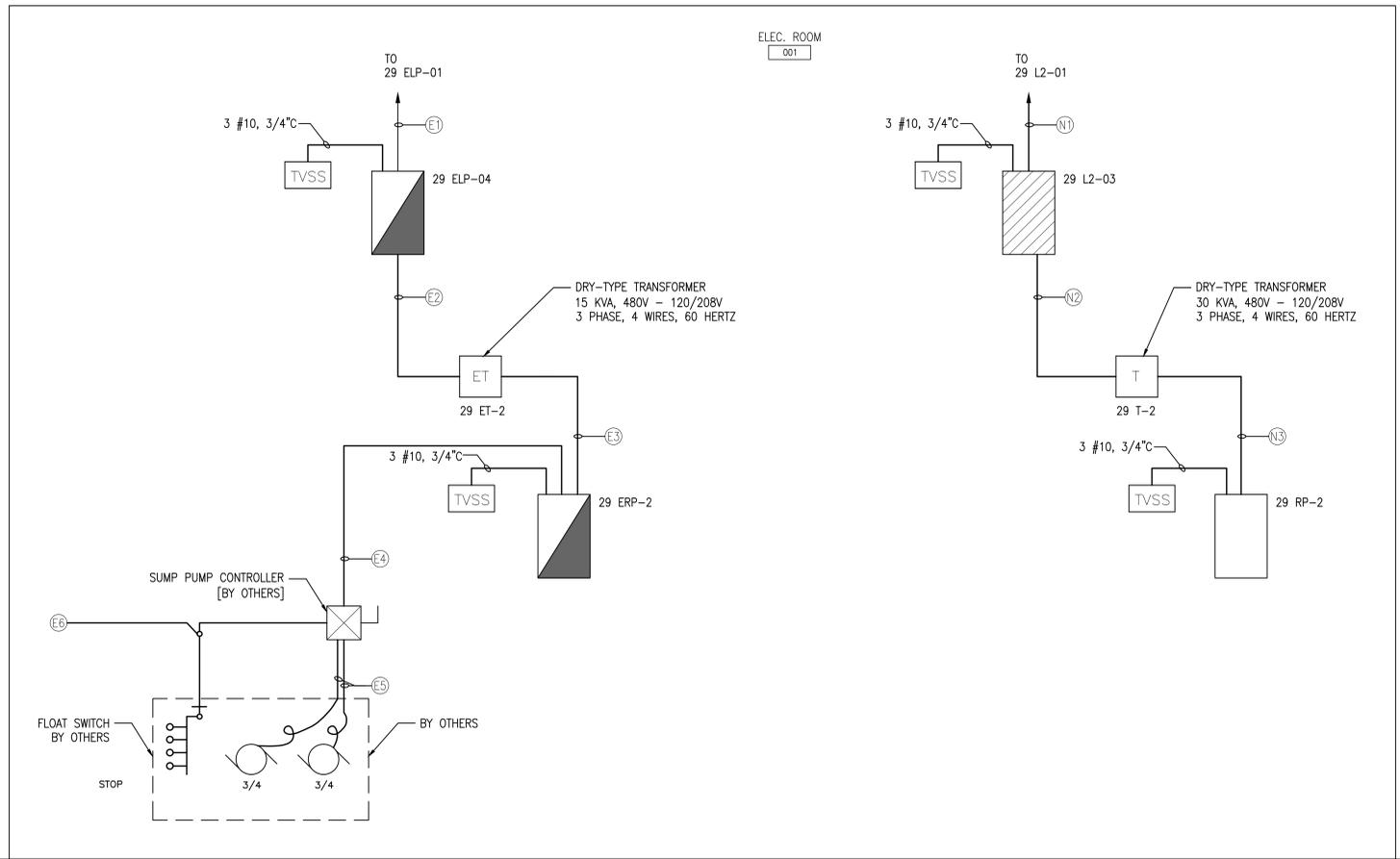


A three inches = one foot
 B one and one half inches = one foot
 C one inch = one foot
 D three quarters inch = one foot
 E one half inch = one foot
 F three eighths inch = one foot
 G one quarter inch = one foot
 H one eighth inch = one foot



BUILDING ISOMETRIC

GENERAL NOTES

ELECTRICAL PLAN NOTES

1 ELECTRICAL POWER RISER BLOCK DIAGRAMS NORMAL AND EMERGENCY

FEEDER SCHEDULE										
FEEDER NUMBER	FROM	TO	AMPERES	VOLT/PHASE	SET	QTY	WIRE SIZE CONDUCTOR	GROUND	CONDUIT SIZE (INCH)	REMARKS
N1	29L2-01	29L2-03	100	480/3	1	4	1 AWG	6 AWG	2	
N2	29L2-03	29T-2	45	480/3	1	3	6 AWG	10 AWG	1	
N3	29T-2	29RP-2	100	208/3	1	4	3 AWG	8 AWG	1 1/4	
E1	29ELP-01	29ELP-04	60	480/3	1	4	4 AWG	8 AWG	2	
E2	29ELP-04	29 ET-2	45	480V-208V/120V	1	3	6 AWG	10 AWG	1	
E3	29ET-2	29ERP-2	100	208/3	1	4	1 AWG	8 AWG	1 1/4	
E4	29ERP-2	PUMP CONTROLLER	40	120/1	1	2	8 AWG	10 AWG	3/4	
E5	PUMP COMPTROLLER	PUMPS	15	120/1	2	1	12/3C AWG	-	3/4 EACH	PROVIDE CONDUIT STUB UP 6" BELOW THE TOP OF MANHOLE. REFER TO INSTALLATION GUIDE
E6	PUMP COMPTROLLER	FLOAT SWITCHES	24/1	24/1	4	1	16/2C AWG	-	3/4 EACH	PROVIDE CONDUIT STUB UP 6" BELOW THE TOP OF MANHOLE. REFER TO INSTALLATION GUIDE

LIGHTING FIXTURE SCHEDULE								
FIXTURE TYPE	DESCRIPTION	VOLTS	PHASE	LAMPS	WATTAGE	MOUNTING	MANUFACTURE	REMARKS
F1	PARKING GARAGE FIXTURE WITH BALANCED PENDANT J-BOX AND BIRD SHROUD. DIE-CAST HOUSING ONE-PIECE INJECTION MOLDED ACRYLIC, 125 MINIMUM WALL THICKNESS WITH LED LAMPS AND DRIVER	277	1	60 LED	65	PENDANT	KIM #PGL 74W-LED E35 60L 5K 277 0-10V WH SF PB2WH OR VA APPROVED EQUAL	PARKING LEVELS
F2	5"x12'-0" ROUND ALUMINUM POLE WITH LIGHTING FIXTURES WITH ONE (1) HEAD COMPLETE WITH LED LAMPS AND DRIVER, PHOTOCELL, AND DUPLEX RECEPTACLE GROUND FAULT CIRCUIT INTERRUPTER RATED 20A, 120 VOLTS WEATHERPROOF.	277	1	60 LED	69	12' POLE WITH 4'-0" HIGH FOUNDATION	HEAD - KIM #ISA WP95 3 P35 60L 5K 277 WH A33 NFO SCL-R VSF-3. POLE - KIM #HAS12-6188-100-A/SA-WH-HB-A/SA DR-GFI OR VA APPROVED EQUAL	LEVEL E
F3	5"x12'-0" ROUND ALUMINUM POLE WITH LIGHTING FIXTURES WITH TWO (2) HEADS COMPLETE WITH LED LAMPS AND DRIVER, PHOTOCELL, AND DUPLEX RECEPTACLE GROUND FAULT CIRCUIT INTERRUPTER RATED 20A, 120 VOLTS WEATHERPROOF.	277	1	2 - 60 LED	138	12' POLE WITH 4'-0" HIGH FOUNDATION	HEAD - KIM #ISA WP95 3 P35 60L 5K 277 WH A33 NFO SCL-R VSF-3. POLE - KIM #HAS12-6188-100-T/ST-WH-HB-A/SB DR-GFI OR VA APPROVED EQUAL	LEVEL E
F4	8" x 4' SURFACE CEILING MOUNTED LED LIGHTING FIXTURE WITH WRAP AROUND LENS AND GASKETED	277	1	45 LED	49	PENDANT	KENALL #ES8 36 45L50K DCC/LED DV 5H PP OR VA APPROVED EQUAL	STAIR
F5	4' INDUSTRIAL LITE TYPE LIGHTING FIXTURE WITH WRAP AROUND LENS AND GASKETED	277	1	45 LED	49	PENDANT	KENALL #ES12 48 1-45L35K DCC/LED DV 5H PP OR VA APPROVED EQUAL	ELECTRICAL AND STORAGE ROOM
F6	SQUARE WALL MOUNTED LED LIGHTING FIXTURE WITH LENS. PROVIDED WITH PHOTOCELL	277	1	36 LED	40	WALL	KIM #SW1 36L5K277 T OR VA APPROVED EQUAL	ABOVE DOOR - ENTRANCE OF THE PARKING GARAGE
F7	EXISTING LIGHTING FIXTURES WITH TWO (2) HEADS COMPLETE WITH LED LAMPS AND DRIVER, PHOTOCELL, AND DUPLEX RECEPTACLE GROUND FAULT CIRCUIT INTERRUPTER RATED 20A, 120 VOLTS WEATHERPROOF AND WITH SQUARE LIGHT POLE	277	1	2 - 60 LED	138	12' POLE WITH 4'-0" HIGH FOUNDATION		EXISTING LIGHTING POLE RELOCATED IN LEVEL E
F8	EXISTING LIGHTING FIXTURES WITH THREE (3) HEADS COMPLETE WITH LED LAMPS AND DRIVER, PHOTOCELL, AND DUPLEX RECEPTACLE GROUND FAULT CIRCUIT INTERRUPTER RATED 20A, 120 VOLTS WEATHERPROOF AND WITH SQUARE LIGHT POLE	277	1	3 - 60 LED	138	12' POLE WITH 4'-0" HIGH FOUNDATION		EXISTING LIGHTING POLE RELOCATED IN LEVEL E
ECS	PEDESTAL - INTERACTIVE VOICE COMMUNICATION UNIT COMBINATION OF BLUE BEACON/STROBE. 24 VOLTS AC POWER, VOICE IDENTIFIER, ADA COMPLIANT, UV RESISTANT LENSES, VANDAL RESISTANT, ULTRA WEATHER RESISTANT FINISH, TWO-BUTTON SPEAKER PHONE WITH KEYPAD NIGHTCHARGE WITH PHOTOCELL STROBE WITH STEP-DOWN TRANSFORMER, UL LISTED AND NEMA 4X. CONNECT TO TOOLVOX	120/24V	1	BEACON /STROBE	15	FLOOR MOUNTED	CODE BLUE #CB1-e/FP2-K	LEADING TO STAIR
X3, X6	BOX TYPE EXIT SIGN WITH BATTERY BACKUP, LED TYPE, LETTER COLOR RED ON BACKGROUND COLOR WHITE, ALUMINUM HOUSING MATERIAL, UNIVERSAL MOUNTING, NICAD BATTERY TYPE, 90 MINUTES EMERGENCY ILLUMINATION TIME. OPERATING TEMPERATURE 0 DEGREES F TO 122 DEGREES F, DAMP LOCATION	277	1	LED	1.78	SURFACE/WALL /PENDANT	ZORO # G751943 COMPASS #CER OR VA APPROVED	EXIT SIGN LEADING TO STAIR

CONSULTANTS: WALKER CONSULTANTS 225 Park Street, Suite 11 Ann Arbor, MI 48108	MIDWESTERN CONSULTING 3815 Plaza Drive Ann Arbor, Michigan 48108 (734) 995-0200 • www.midwesternconsulting.com Land Development • Land Survey • Institutional • Municipal Wireless Communications • Transportation • Landfill Services	KEYPLAN	ARCHITECT + ENGINEERS: BANCROFT ARCHITECTS + ENGINEERS 700 Nicholas Blvd., Suite 300 Elk Grove Village, IL 60007 Telephone : 847.952.9342 www.bancroft-ae.com Bancroft-AE Project No. 14-121	Drawing Title ELECTRICAL RISER DIAGRAMS, FEEDER + LIGHTING FIXTURE SCHEDULE Approved Project Director	Project Title CONSTRUCT NORTH PARKING STRUCTURE Location ANN ARBOR, MICHIGAN Date 08-18-2017 Checked LF Drawn YY AG	Project Number 506-331 Building Number 29 Drawing Number E-701	Office of Construction and Facilities Management
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