

Addendum 01

DOCUMENT 00 9100

DATE: February 14, 2022

PROJECT: Village of Minerva Park Community Building
2829 Minerva Lake Road
Columbus, Ohio 43231

PROJECT #: 20062.01

OWNER: Village of Minerva Park
2829 Minerva Lake Road
Columbus, Ohio 43231

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Bidding Documents dated January 31, 2022 with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages, and 2 re-issued drawing sheets.

FOR INFORMATION ONLY

1. Pre-bid meeting minutes and the pre-bid meeting sign-in sheet are attached.
2. An additional pre-bid walkthrough will be held on Thursday, February 17, 2022, at 2 p.m., at 2829 Minerva Lake Road, Columbus, Ohio 43231.

CHANGES TO THE PROJECT MANUAL

1. Section 26 3600 Transfer Switches, Article 2.03 Automatic Transfer Switch, Paragraph E Configuration; Delete paragraph entirely.
2. Section 07 6100 Sheet Metal Roof, Article 2.02, Paragraph B Roof Panel, modify to read: 16 inch wide x 2 ½ inch high standing seam with factory applied mastic (in



female leg), striations (pencil ribs), ~~embossed texture~~, concealed fastener, continuously mechanically seamed.

3. Section 07 6100 Sheet Metal Roof, Article 2.02 Roof System, Paragraph A. Approved Manufacturers – Add PAC-CLAD (Tite-Loc).
4. Section 07 6100 Sheet Metal Roof, Article 2.03 Soffit System, Paragraph A. Approved Manufacturers – Add PAC-CLAD (PAC-750).

CHANGES TO THE DRAWINGS

1. Drawing Sheet E6.1 Luminaire Schedule: Type 'LS', add Luminis CL315 as an acceptable light fixture, refer to attached revised sheet.
2. Drawing Sheet E7.1, Electrical One-Line & Panel Schedules: The standby ATS shall be 2-pole, 3-wire, refer to revised attached drawing.

ATTACHMENTS

The following attachments are included and are part of this addendum:

Pre-bid meeting minutes and the pre-bid meeting sign-in sheet.

Drawing Sheets E6.1, E7.1

END OF ADDENDUM





Pre-bid meeting

Project name	<u>Minerva Park Community Bldg.</u>	GM project no.	<u>20062.01</u>
Meeting date	<u>2/10/2022</u>	Meeting location	<u>On site</u>

Meeting Minutes

1. Attendees: Sign in sheet attached.
2. Introductions
3. Project overview
 - a. Renovations and addition as shown on drawings.
 - b. Owner will vacate building for construction.
4. Bidding
 - a. Date: **2:00.00 PM on Thursday, February 24, 2022**
 - b. Location: Send to:
Village of Minerva Park
2829 Minerva Lake Road
Columbus, Ohio 43231
 - a. Use the bid form provided

The bid opening will be after **2:00 PM on Thursday, February 24, 2022, by the Architect and Owner, at the Village of Minerva Park.**

 - b. Plans will be submitted for review and general building permit, costs to be paid by owner.
 - a. No tap fees are anticipated at this time.
5. Bid categories
 - a. General construction, Single Prime
6. Alternates
 - Alternate 1 - Police Carport
 - Alternate 2 - Electronic Message Center
 - Alternate 3 - Woodland Mix Plantings
 - Alternate 4 - Asphalt Shingle in lieu of Standing Seam Metal Roof
 - Alternate 5 - Manual Transfer Switch
 - Alternate 6 - Concrete Steppers
 - Alternate 7 - Glycol Snow Melt System:
7. Contracts will be administered by Garmann Miller
 - a. All questions and correspondence to go through Garmann Miller
 - b. All RFIs to go through Garmann Miller
 - c. Pay applications to go to Garmann Miller



- d. Garmann Miller will schedule a preconstruction meeting with the contractor after the notice of award
- 8. Schedule
 - a. Tentative award date – March 24, 2022
 - b. Tentative notice to proceed – April 20, 2022
 - c. Completion date – to be proposed by bidder
- 9. General conditions
 - a. General Contractor
 - i. Responsible for waste removal
 - ii. Responsible for construction schedule and general supervision
 - iii. Submit preliminary schedule 10 days after notice to proceed
 - iv. Responsible for scheduling and administering job meetings; prepare agenda, responsible for meeting minutes and distributing copies
 - b. Responsible for field office
 - c. Responsible for telephone service/fax to field office.
 - d. Responsible for sanitary facilities
 - e. Barriers
 - i. Fencing
 - f. Exterior and interior enclosures
 - g. Project sign – to be determined.
- 10. Temporary electricity
 - a. Electrical contractor to provide service, temporary power, temporary lighting, temporary service to general contractor job trailer.
 - i. Temporary service to other job trailer is the responsibility of individual requiring
 - ii. Existing service may be used – exercise power conservation practices, as outlined in project manual.
 - 1. Cost by owner
- 11. Temporary heat
 - a. Prior to building enclosure: Contractor requiring
 - b. After building enclosure:
 - i. Method by HVAC contractor.
 - ii. Cost by Contractor
- 12. Temporary water
 - i. The general contractor may use existing water service– exercise power conservation practices, as outlined in project manual.
 - b. Cost by owner.
- 13. Questions and Substitution request by 2:00 pm, Friday, February 18.
- 14. Correspondence
 - a. Correspondence to run through the Garmann Miller



i. Ted Musielewicz, Project Manager – tmusielewicz@garmannmiller.com

15. Questions

- a. Will there be restrictions on working hours?
 - i. No contract restrictions – follow local laws and ordinances, noise restrictions, etc.
- b. Can you summarize mechanical systems?
 - i. Two existing furnaces will be reused/relocated. Two new furnaces to be provided as shown in documents.
- c. Who currently services the mechanical units?
 - i. Accurate.

END



Sign-in Sheet

Project Name Minerva Park Community Building GM Project No. 20062.01
 Meeting Location 2829 Minerva Lake Road Meeting Date 2/10/2022

Purpose Pre-Bid Informational Meeting

Attendees

☐	Name	<u>Clive Ennin</u>	Phone	<u>614-885-2473</u>
	Business/Title	<u>Engineer Operations Manager</u>		
	Email	<u>cennin@nyaireeng.com</u>		
☐	Name	<u>Aaron Daman</u>	Phone	<u>614-375-0931</u>
	Business/Title	<u>Elford / Estimator</u>		
	Email	<u>adaman@elford.com</u>		
☐	Name	<u>DAVID STEVENS</u>	Phone	<u>614-273-9423</u>
	Business/Title	<u>LEHMAN DAMAN / ESTIMATOR</u>		
	Email	<u>daviddstevens@lehmandaman.com</u>		
☐	Name	<u>Donald Mantley</u>	Phone	<u>614-229-2852</u>
	Business/Title	<u>AHC Inc</u>		
	Email	<u>donmelt@sbcglobal.net</u>		
☐	Name	<u>Gene Gussler</u>	Phone	<u>(614) 558-2744</u>
	Business/Title	<u>Gussler Heating and Plumbing</u>		
	Email	<u>delmagussler@gmail.com</u>		
☐	Name		Phone	
	Business/Title			
	Email			
☐	Name		Phone	
	Business/Title			
	Email			
☐	Name		Phone	
	Business/Title			
	Email			

LUMINAIRE SCHEDULE												
MARK	MOUNTING	LAMPS				BALLAST/DRIVER	FIXTURE VOLTAGE	INPUT WATTS	FIXTURE DESCRIPTION	COMMENTS	BASIS OF DESIGN & APPROVED MANUFACTURERS	
		TYPE	MIN. LUMENS	CCT	CRI							
A	RECESSED	LED	4000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	32 W	2' X 4' LED RECESSED CENTER BASKET TROFFER, CURVED SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, CSA/U.L. LISTED.		LITHONIA 2BLT4 40L ADSM MVOLT GZ10 LP830 COLUMBIA LCAT24 30 LW G ED U METALUX 24C22 40 S UNV L830 CD 1 U DAY BRITE 2 FG G 42B 830 4 DS UNV DIM	
B	RECESSED	LED	3300	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	27 W	2' X 2' LED RECESSED CENTER BASKET TROFFER, CURVED SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, CSA/U.L. LISTED.		LITHONIA 2BLT2 33L ADSM MVOLT GZ10 LP830 COLUMBIA LCAT22 30 ML G ED U METALUX 22C22 32 S UNV L830 CD 1 U DAY BRITE 2 FG G 30L 830 2 DS UNV DIM	
C	SURFACE	LED	1000	3000K	80 CRI	0-10V DIMMING DOWN TO 1%	MVOLT	12 W	2" LED SURFACE CYLINDER DOWNLIGHT, ADJUSTABLE TILT AND ROTATION, 50 DEGREE BEAM ANGLE, MATTE DIFFUSE REFLECTOR, BLACK FINISH, U.L. LISTED.		GOTHAM IC02STRC 30/10 BR LD 50D MVOLT UGZ 5GBCC ALW NSRY JDD V 1080 30 L6 NN XX YK USAI LIGHTING CMRA8 09X3 30KS 55 S XX CC UNV D6E BRUCK 350440 13LM 30K 90 38 120 ELV	
D1	RECESSED	LED	1000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	10 W	6" ROUND RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, WET LOCATION LISTED.		LITHONIA LDN6 30/10 L06 AR LD MVOLT GZ10 GREEN CREATIVE SPTFR6 LE10 90 30 XT010UNV NR ADR6 CC HALO HC6 10 D010 HM6 12 830 61 MD H ALPHABET NU6 RD XTM19 10LM 30K 83 HE40 UNV DIM10 NC WH WH	
D2	RECESSED	LED	1500	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	18 W	6" ROUND RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, WET LOCATION LISTED.		LITHONIA LDN6 30/15 L06 AR LD MVOLT GZ10 GREEN CREATIVE SPTFR6 LE15 90 30 XT010UNV NR ADR6 CC HALO HC6 15 D010 HM6 12 830 61 MD H ALPHABET NU6 RD XTM19 20LM 30K 83 HE40 UNV DIM10 NC WH WH	
D3	RECESSED	LED	1000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	11 W	6" SQUARE LED RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, CLEAR TRIM.		LITHONIA LDN6SQ 30/10 L56 AR LD MVOLT GREEN CREATIVE SPTFS6 LE10 90 30 XT010UNV NR WET AD56 CC COOPER LDSQ6B 10 D010 EU6B 1020 80 30 6LB SQ 1 H HB26 ALPHABET NU6 QD XTM19 10LM 30K 83 HE70 UNV DIM10 NC WH WH	
D4	RECESSED	LED	1500	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	18 W	6" SQUARE LED RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, CLEAR TRIM.		LITHONIA LDN6SQ 30/15 L56 AR LD MVOLT GREEN CREATIVE SPTFS6 LE15 90 30 XT010UNV NR AD56 CC COOPER LDSQ6B 15 D010 EU6B 1020 80 30 6LB SQ 1 H HB26 ALPHABET NU6 QD XTM19 10LM 30K 83 HE70 UNV DIM10 NC WH WH	
D5	RECESSED	LED	2000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	23 W	6" SQUARE LED RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, CLEAR TRIM.		LITHONIA LDN6SQ 30/20 L56 AR LD MVOLT GREEN CREATIVE SPTFS6 LE20 90 30 XT010UNV NR AD56 CC COOPER LDSQ6B 20 D010 EU6B 1020 80 30 6LB SQ 1 H HB26 ALPHABET NU6 QD XTM19 13LM 30K 83 HE70 UNV DIM10 NC WH WH	
D6	RECESSED	LED	2500	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	28 W	6" SQUARE LED RECESSED DOWNLIGHT, GALVANIZED STEEL MOUNTING/PLASTER FRAME, SELF-FLANGED ANODIZED MATTE DIFFUSE REFLECTOR, CLEAR TRIM.		LITHONIA EV06SQ TUWW RHYR/25 AR LD MVOLT PRESCOUTE LTR-65QD-H HL 2SL DMT LTR-65QD-T HL 276ST 9 WD 5S COOPER LDSQ6B 20 10E010W2N2765 EU6B 1020W2N902765 6LB SQ 1 H HB26 ALPHABET NU6 QD TW 30LM 2750 80 HE70 UNV NLT NC WH WH	
D7	RECESSED	LED	1000	30K-50K	90 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	13 W	6" LED RECESSED WAFER DOWNLIGHT, ALUMINUM DIE CAST OUTER FRAME, PLENUM RATED CABLE CONNECTOR, COLOR TEMPERATURE ADJUSTABLE, POLYCARBONATE LENS, WHITE FINISH, CSA/U.L. WET LOCATION LISTED.	COLOR TEMPERATURE TO BE SET TO 3000K.	LITHONIA WF6 LED 30K40K50K MVOLT 90CRI MW GREEN CREATIVE 12NCDL R60IM 9 30 277V/EXT HALO HLB6 09 9FS E010 MW R HL6RSMF LIGHTOLIER FD 6R 4CCT FD 6NCP	
E	VARIES	EXISTING	N/A	N/A	N/A	N/A	120V	25 W	EXISTING LIGHT TO REMAIN UNO.		N/A	
ED	N/A	N/A	N/A	N/A	N/A	N/A	N/A		EXISTING LUMINAIRE TO BE DEMOUSHED		N/A	
EM	WALL	LED	N/A	N/A	N/A	N/A	3.6VDC	2 W	LED TYPE EMERGENCY LIGHT FIXTURE, INJECTION MOLDED, FLAME RETARDANT, HIGH IMPACT THERMOPLASTIC HOUSING. PROVIDED WITH TEST SWITCH, STATUS INDICATOR, AND RECHARGEABLE BATTERY, 90 MINUTE BATTERY BACKUP, WHITE HOUSING, U.L. LISTED.	MOUNT 8'-0" AFF. CONNECT AHEAD OF LOCAL SWITCHING OR EMERGENCY CIRCUIT AS INDICATED ON FLOORPLANS.	LITHONIA EU2L HUBBELL CU2 SURE LITES APEL CHLORIDE VLLU	
FL	FLOOD LIGHT	LED	600	3000K	N/A	ELECTRONIC	MVOLT	11 W	EXTERIOR LED FLOOD LUMINAIRE, DIE-CAST ALUMINUM HOUSING, DARK BRONZE FINISH, WET AND U.L. LISTED	FIXTURE TO BE PROVIDED FOR BASE BID. ELIMINATE FIXTURE IF ALTERNATE #2 EMC IS ACCEPTED.	LITHONIA OLB8 8 30K DDB VIVIDLEDS WDFB2C3FR 30 54P V27 BZ ND FLF LITON AG241 7 BZ UE-DUN -B45 -T30 HADCO BL9 D W H	
LP5	PENDANT	LED	4000	3000K	80 CRI	0-10V DIMMING DOWN TO 1%	MVOLT	40 W	4"X5" LED DIRECT LINEAR PENDANT LUMINAIRE, EXTRUDED ALUMINUM HOUSING, FORMED STEEL REFLECTOR, ACRYLIC LENS, CSA/U.L. LISTED.		MARK LIGHTING SL4D LLP 5FT MSLS 80CRI 30K 800LMF MINI MVOLT WHT ZT F2/36A RDCY WHTCY WCRO LITECONTROL 4L P D 5 S 50F C1 30K D080 D01 1C UNV AXIS LIGHTING TB4DLED 800LPF 80 30 50 S 5 W UNV DP 1 CA36 LEDALITE 29 0 1 L 930 48 QN 05 D E 1	
LS	WALL	LED	1624	3000K	80 CRI	ELECTRONIC	MVOLT		34" LED LINEAR EXTERIOR DECORATIVE WALL SCONCE, EXTRUDED ALUMINUM HOUSING, ACRYLIC LENS, DARK BRONZE FINISH, U.L. WET LOCATION LISTED.	FIXTURE TO BE MOUNTED VERTICALLY. REFER TO PLANS FOR MOUNTING HEIGHT.	GREENCREATIVE LTR-65QD-H HL 2SL DMT LTR-65QD-T HL 276ST 9 WD 5S LUMINIS CL315 (830 LM) COOPER PHILIPS	
P2	15'-0" POLE	LED	7100	3000K	N/A	ELECTRONIC	MVOLT	51 W	EXTERIOR LED ARE LUMINAIRE, SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, TYPE II DISTRIBUTION, DARK BRONZE FINISH, U.L. LISTED WET LOCATION	PROVIDE 5" 11g SQUARE STRAIGHT STEEL POLE, SAME COLOR AS FIXTURE. PROVIDE BASE COVER, TOP CAP AND HANDHOLE COVER. REFER TO FOUNDATION DETAIL 8/E1.2.	LITHONIA RSX1 LED P1 30K R2 MVOLT SPA DDBXD HUBBELL ASL1 160L 70 3K7 2 UNV ASQU DBT COOPER GPC SA1 D 730 U TT2 QM BZ OPTEC OLA1 080 UNVL 30 2 SQ BX (MODIFY TO 7100LM)	
P4	15'-0" POLE	LED	7100	3000K	N/A	ELECTRONIC	MVOLT	51 W	EXTERIOR LED ARE LUMINAIRE, SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, DARK BRONZE FINISH, U.L. LISTED WET LOCATION	PROVIDE 5" 11g SQUARE STRAIGHT STEEL POLE, SAME COLOR AS FIXTURE. PROVIDE BASE COVER, TOP CAP AND HANDHOLE COVER. REFER TO FOUNDATION DETAIL 8/E1.2.	LITHONIA RSX1 LED P1 30K R4 MVOLT SPA DDBXD HUBBELL ASL1 160L 70 3K7 4W UNV ASQU DBT COOPER GPC SA1 D 730 U T4W QM BZ OPTEC OLA1 080 UNVL 30 4 SQ BX (MODIFY TO 7100LM)	
P8	42" POLE	LED	1080	3000K	N/A	ELECTRONIC	MVOLT	13 W	EXTERIOR LED BOLLARD, SINGLE PIECE ALUMINUM SHAFT, SYMMETRICAL DISTRIBUTION, DARK BRONZE FINISH, U.L. LISTED.	REFER TO DETAIL 9/E1.2 FOR BASE DETAIL.	LITHONIA RADB LED P3 30K SYM MVOLT BTSDDBXD BCCDDBXD DDBXD VIVIDLEDS WBDZC3FR 16 30 T5 UNV BX 36 SELUX IBL 3.5 2Q90 35 BZ UNV DM ENVIROLUX EESB2CQ F 1X23 U 3K Z	
R	WALL	LED	N/A	N/A	N/A	N/A	9.6V	2 W	LED REMOTE HEAD, GRAY CAST ALUMINUM, SEALED AND GASKETED, U.L. WET LOCATION LISTED.	MOUNT 4" ABOVE DOOR, UNO.	LITHONIA ELA QWP L0309 SD COMPASS CORS SURE LITES SR M 25 GY CHLORIDE VLL1R	
S2	SURFACE	LED	3000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	30 W	4' LED STRIP LIGHT, COLD-ROLLED STEEL CHANNEL AND COVER, SNAP ON DIFFUSE LENS, WHITE FINISH, CSA/U.L. DAMP LOCATION LISTED.		LITHONIA ZL1D L48 3000LM FST MVOLT 30K 80CRI WH COLUMBIA MP54 30VW CW EDU COOPER 45NLED LD5 30SL LW UNV L830 CD1 U DAY BRITE FSS 4 30L 830 UNV DIM	
S4	SURFACE	LED	3000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	30 W	4' LED STRIP LIGHT, COLD-ROLLED STEEL CHANNEL AND COVER, SNAP ON DIFFUSE LENS, WHITE FINISH, CSA/U.L. DAMP LOCATION LISTED.		LITHONIA ZL1D L48 3000LM FST MVOLT 30K 80CRI WH COLUMBIA MP54 30VW CW EDU COOPER 45NLED LD5 30SL LW UNV L830 CD1 U DAY BRITE FSS 4 30L 830 UNV DIM	
S8	SURFACE	LED	6000	3000K	80 CRI	0-10V DIMMING DOWN TO 10%	MVOLT	60 W	8' LED STRIP LIGHT, COLD-ROLLED STEEL CHANNEL AND COVER, SNAP ON DIFFUSE LENS, WHITE FINISH, CSA/U.L. DAMP LOCATION LISTED.		LITHONIA TZL1D L96 6000LM FST MVOLT 30K 80CRI WH HUBBELL MPS8 30VW CW EDU COOPER 8TSNLED LD5 61SL LW UNV L830 CD1 U DAY BRITE FSS 8 60L 830 UNV DIM	
U	SURFACE	LED	740	3000K	90 CRI	N/A	120V	10 W	2' LED UNDER CABINET LUMINAIRE, LOW PROFILE, ON/OFF ROCKER SWITCH, STEEL HOUSING, ACRYLIC WHITE DIFFUSER, WHITE FINISH.		LITHONIA UCeL 24IN 30K 90CRI SWR WH COLUMBIA CUC2 CS ED120 HALO HU11 24 D9 S P LUMAX LEDUC 24 WH	
W	WALL	LED	2000	3000K	80 CRI	ELECTRONIC	MVOLT	15 W	LED EXTERIOR ARCHITECTURAL WALL PACK, DIE-CAST ALUMINUM HOUSING, VISUAL CONFORT FORWARD THROW DISTRIBUTION, DARK BRONZE FINISH, U.L. WET LOCATION LISTED.	REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.	LITHONIA WDGE2 LED P2 30K WF MVOLT SRM AWS DDBXD HUBBELL RWL1 48L-15 3K7 4W UNV DBT COOPER IST SA1A 730 U T4FT BZ FC LIGHTING FCW1011 UNV 3K CR190 30L BZ LD	
X	CEILING/WALL	LED	N/A	N/A	N/A	N/A	MVOLT	3 W	LED THERMOPLASTIC EXIT SIGN WITH REMOTE HEADS, UNIVERSAL MOUNTING, RED LETTERS, WHITE HOUSING, HIGH OUTPUT BATTERY FOR REMOTE HEAD(S), 90 MINUTE MINIMUM, U.L. LISTED.	MOUNT 4" ABOVE DOOR. CONNECT AHEAD OF LOCAL SWITCHING OR EMERGENCY CIRCUIT AS INDICATED ON FLOORPLANS. OPERATED REMOTE HEAD 'R'.	LITHONIA LHQM LED R HO COMPASS CCRRC SURE LITES LPXC 25 R3 CHLORIDE VLTCR3R	
X2	CEILING/WALL	LED	N/A	N/A	N/A	N/A	MVOLT	3 W	LED THERMOPLASTIC EXIT SIGN, UNIVERSAL MOUNTING, SINGLE OR DOUBLE FACE, RED LETTERS, WHITE HOUSING, NICKEL CADMIUM BATTERY, 90 MINUTE MINIMUM, U.L. LISTED.	MOUNT 4" ABOVE DOOR. CONNECT AHEAD OF LOCAL SWITCHING OR EMERGENCY CIRCUIT AS INDICATED ON FLOORPLANS. OPERATED REMOTE HEAD 'R'.	LITHONIA LHQM LED R HO RO COMPASS CERRC SURE LITES LPX RS SD CHLORIDE VERW	

STATE OF OHIO

ERIC JAMES BALTZELL
E-65072

PROFESSIONAL ENGINEER

ERIC JAMES BALTZELL
LICENSE #E-65072
EXPIRATION DATE: 12/31/2023

GARMANN
MILLER

MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA
creategm.com

VILLAGE OF MINERVA PARK
COMMUNITY BUILDING

2829 MINERVA LAKE ROAD, COLUMBUS, OHIO 43231

ISSUANCES/REVISIONS

BID DOCUMENTS	01/31/2022
1 ADDENDUM 01	02/11/2022

PROJECT NUMBER:

DRAWN BY:

CHECKED BY:

20062.01KCRSH

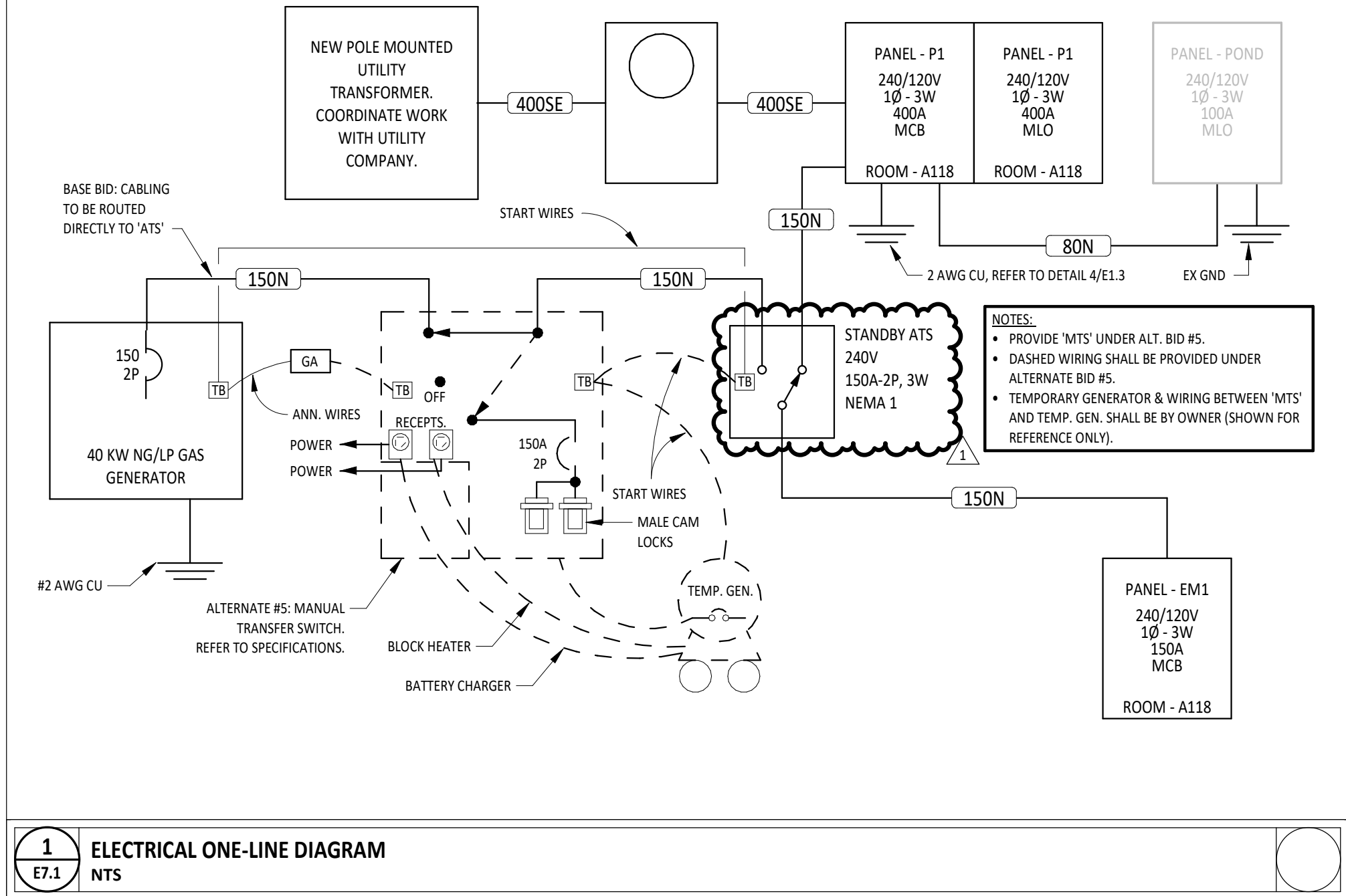
SHEET TITLE:

LUMINAIRE
SCHEDULE

SHEET NUMBER:

E6.1

FEEDER SCHEDULE									
MARK	NO.	CONDUCTOR SIZING				CONDUIT SIZE EACH SET	Conductor Material	SIZE EACH SET	Material
		PHASE	NEUTRAL	GROUND	SIZE EACH SET				
QTY	SIZE	QTY	SIZE	SIZE	SIZE				
80N	1	2	#4/0 AWG	1	#4/0 AWG	#4 AWG	2"	ALUMINUM	
150N	1	2	#4/0 AWG	1	#4/0 AWG	#4 AWG	2"	ALUMINUM	
400SE	2	2	250 KCMIL	1	250 KCMIL	N/A	2 1/2"	ALUMINUM	



PANEL P1						AIC RATING: 22,000 VOLTAGE: 120/240V 1PH 3W MAINS RATING: 400 A MAINS TYPE: MCB MCB RATING: 400 A							
PANEL NOTES: TUB 1 OF 2. - PROVIDE FEED-THRU LUGS - PROVIDE PANEL WITH EXTERNAL SPD DEVICE, PROVIDE CIRCUIT BREAKER TO MANUFACTURER RECOMMENDATIONS.													
NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CKT	A	B	CKT	AMP	POLES	CIRCUIT DESCRIPTION	NOTE		
1	RECEPTACLE	1	20 A	1	900 / 13662		2	150 A	2	EM1 (VIA ATS)	6		
	RECEPTACLE	1	20 A	3		1620 / 12873	4						
	RECEPTACLE	1	20 A	5	1080 / 540		6	20 A	1	RECEPTACLE			
	WATER COOLER	1	20 A	7		1200 / 1620	8	20 A	1	RECEPTACLE			
	RECEPTACLE	1	20 A	9	1080 / 1080		10	20 A	1	RECEPTACLE			
	FLOOR BOXES/DISPLAY	1	20 A	11		1440 / 180	12	20 A	1	POLE LIGHT RECEPTACLE			
	SPARE	1	20 A	13	0 / 180		14	20 A	1	POLE LIGHT RECEPTACLE			
	SIGN LIGHTING	1	20 A	15		23 / 0	16	20 A	1	SPARE			
	FLAG LIGHTS	1	20 A	17	79 / 0		18	20 A	1	SPARE			
	RECEPTACLE	1	20 A	19		1800 / 1080	20	20 A	1	RECEPTACLE			
5	RECEPTACLE	1	20 A	21	1260 / 720		22	20 A	1	RECEPTACLE	2		
	RECEPTACLE	1	20 A	23		900 / 900	24	20 A	1	RECEPTACLE			
	RECEPTACLE	1	20 A	25	540 / 720		26	20 A	1	RECEPTACLE			
	POND PANEL	2	80 A	27		4200 / 720	28	20 A	1	CANOPY RECEPTACLES			
	4	ACCU-1	2	40 A	29	4200 / 2172		30	30 A	2		ACCU-2	3
			31		3120 / 2172	32							
			33	3120 / 2916		34							
	E-ACCU-2	2	20 A	35		1416 / 2916	36	40 A	2	E-ACCU-1		4	
		37	1416 / 0		38			20 A	1	SPARE			
		39		0 / 0	40			30 A	2	SPARE			
SPARE	1	20 A	39							6			
SPARE	1	20 A	41	0 / 0		42							
VA SUBTOTALS:					49598 VA	50729 VA							
AMP SUBTOTALS:					413 A	423 A							
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:						
HVAC	17016 VA	100.00%	17016 VA	71 A	49598 VA	A	(1) PROVIDE GFCI TYPE CIRCUIT BREAKER.						
Lighting	5551 VA	100.00%	5551 VA	23 A	50729 VA	B	(2) PROVIDE CIRCUIT WITH ALTERNATE #1.						
Motor	22732 VA	70.00%	15912 VA	66 A	PANEL TOTALS		(3) 2-10 AWG, 1-10 AWG G., 1/2" C.						
Other	0 VA	0.00%	0 VA	0 A	98244 VA	CONNECTED	(4) 2-8 AWG, 1-10 AWG G., 1/2" C.						
Power	15100 VA	70.00%	10570 VA	44 A	72859 VA	DEMAND	(5) REFER TO ONE LINE DIAGRAM FOR FEEDER AND CONDUIT INFORMATION.						
RECEPTACLE	38080 VA	63.13%	24040 VA	100 A	409 A	CONNECTED	(6) CIRCUIT BREAKER INTENDED FOR SPD.						
					304 A	DEMAND							
20062.01 - VILLAGE OF MINERVA PARK COMMUNITY BUILDING													

PANEL P1										AIC RATING: 22,000	
MOUNTING: SURFACE										VOLTAGE: 120/240V 1PH 3W	
FED FROM: P1										MAINS RATING: 400 A	
ENCLOSURE: TYPE 1										MAINS TYPE: MLO	
LOCATION: ELECTRICAL A118											
PANEL NOTES:											
TUB 2 OF 2.											
NO TE	CIRCUIT DESCRIPTION	PO LE S	AMP	C K T	A	B	C K T	AMP	PO LE S	CIRCUIT DESCRIPTION	NO TE
	LIGHTS	1	20 A	43	1370 / 800		44	20 A	1	MICROWAVE	1
	LIGHTS	1	20 A	45		1386 / 180	46	20 A	1	COFFEE MAKER	
	LIGHTS	1	20 A	47	1692 / 800		48	20 A	1	DISHWASHER	1
	LIGHTS	1	20 A	49		536 / 180	50	20 A	1	RECEPTACLE	
1	FRIDGE	1	20 A	51	800 / 1440		52	20 A	1	RECEPTACLE	
	RECEPTACLE	1	20 A	53		540 / 1000	54	20 A	1	COPY MACHINE	
	RECEPTACLE	1	20 A	55	720 / 360		56	20 A	1	RECEPTACES	
2	WATER HEATER	1	25 A	57		2000 / 90	58	30 A	2	DRYER - 120/240V	3
1	WASHING MACHINE	1	20 A	59	800 / 90		60	20 A	1	SOUND SYSTEM	
4	WATER HEATER	2	50 A	61		4500 / 1000	62	20 A	1	GLYCOL SYSTEM	
	SPARE	1	20 A	63	4500 / 660		64	20 A	1	GLYCOL PUMP	
	SPARE	1	20 A	67	0 / 0	0 / 1176	66	20 A	1	SPARE	
	SPARE	1	20 A	69		0 / 0	70	20 A	1	SPARE	
	SPARE	1	20 A	71	0 / 0		72	20 A	1	SPARE	
	SPARE	1	20 A	73		0 / 0	74	20 A	1	SPARE	
	SPARE	1	20 A	75	0 / 0		76	20 A	1	SPARE	
	SPARE	1	20 A	77		0 / 0	78	20 A	1	SPARE	
	SPARE	1	20 A	79	0 / 0		80	20 A	1	SPARE	
	SPARE	1	20 A	81		0 / 0	82	20 A	1	SPARE	
	SPARE	1	20 A	83	0 / 0		84	20 A	1	SPARE	
VA SUBTOTALS:			13947 VA			12552 VA					
AMP SUBTOTALS:			116 A			105 A					
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:				
HVAC	1656 VA	100.00%	1656 VA	7 A	13947 VA	A	(1) PROVIDE GFCI TYPE CIRCUIT BREAKER.				
Lighting	3753 VA	100.00%	3753 VA	16 A	12552 VA	B	(2) 2-10 AWG, 1-10 AWG G., 1/2" C.				
Motor	1268 VA	70.00%	888 VA	4 A	0 VA	C	(3) 3-10 AWG, 1-10 AWG G., 1/2" C.				
Power	11000 VA	70.00%	7700 VA	32 A	PANEL TOTALS						(4) 2-6 AWG, 1-10 AWG G. 3/4" C.
RECEPTACLE	8980 VA	100.00%	8980 VA	37 A	26497 VA	CONNECTED					
					22820 VA	DEMAND					
					110 A	CONNECTED					
					95 A	DEMAND					
20062.01 - VILLAGE OF MINERVA PARK COMMUNITY BUILDING											

MOUNTING: SURFACE FED FROM: P1 ENCLOSURE: TYPE 1 LOCATION: ELECTRICAL A118					PANEL EM1		AIC RATING: 22,000 VOLTAGE: 120/240V 1PH 3W MAINS RATING: 150 A MAINS TYPE: MCB MCB RATING: 150 A				
PANEL NOTES: PROVIDE PANEL WITH EXTERNAL SPD DEVICE, PROVIDE CIRCUIT BREAKER TO MANUFACTURER RECOMMENDATIONS.											
NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CKT	A	B	CKT	AMP	CIRCUIT DESCRIPTION	NOTE	
	RECEPTACLES	1	20 A	1	1260 / 1080		2	20 A	1 RECEPTACLES		
	TECHNOLOGY RECEPTACLE	1	20 A	3		360 / 360	4	20 A	1 TECHNOLOGY RECEPTACLE		
	E-FURN-2	1	15 A	5	1200 / 1222		6	20 A	1 E-FURN-1		
	GENERATOR BATTERY CHARGER	1	20 A	7		1200 / 500	8	20 A	1 FACP	4	
	GENERATOR BLOCK HEATER	1	20 A	9	1500 / 1202		10	20 A	1 FURN-1		
	FURN-2	1	15 A	11		1152 / 1600	12	20 A	1 ELECTRIC LATCH		
	ELECTRIC LATCH	1	20 A	13	1200 / 500		14	20 A	1 SECURITY CAMERAS		
	TECHNOLOGY RECEPTACLE	1	20 A	15		360 / 360	16	20 A	1 TECHNOLOGY RECEPTACLE		
	LIGHTS	1	20 A	17	1213 / 1620		18	20 A	1 RECEPTACLES		
	RECEPTACLES	1	20 A	19		1080 / 720	20	20 A	1 RECEPTACLES		
	FLUSH VALVE POWER	1	20 A	21	540 / 0		22	20 A	1 H/C DOOR		
	ELECTRIC LATCH	1	20 A	23		800 / 985	24	20 A	1 EXTERIOR LIGHTS		
	RECEPTACLE	1	20 A	25	180 / 1000		26	20 A	1 'MTS' STRIP HEATER	2	
2	'MTS' BAT. CHARGER REC.	1	20 A	27		2400 / 1000	28	30 A	1 'MTS' BLOCK HEAT REC.	2	
	SPARE	1	20 A	29	0 / 0		30	20 A	1 SPARE		
	SPARE	1	20 A	31		0 / 0	32	20 A	1 SPARE		
	SPARE	1	20 A	33	0 / 0		34	20 A	1 SPARE		
	SPARE	1	20 A	35		0 / 0	36	20 A	1 SPARE		
	SPARE	1	20 A	37	0 / 0		38	20 A	1 SPARE		
	SPARE	1	20 A	39		0 / 0	40	30 A	2 SPARE		
	SPARE	1	20 A	41	0 / 0		42			3	
VA SUBTOTALS:					13662 VA	12873 VA					
AMP SUBTOTALS:					114 A	107 A					
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:				
HVAC	4776 VA	100.00%	4776 VA	20 A	13662 VA	A	(1) PROVIDE GFCI TYPE CIRCUIT BREAKER.				
Lighting	1701 VA	100.00%	1701 VA	7 A	12873 VA	B	(2) PROVIDE CIRCUIT WITH ALTERNATE #5.				
Motor	4400 VA	70.00%	3080 VA	13 A	PANEL TOTALS						(3) CIRCUIT BREAKER INTENDED FOR SPD.
Power	4100 VA	70.00%	2870 VA	12 A	25533 VA	CONNECTED	(4) PROVIDE RED CIRCUIT BREAKER AND CIRCUIT BREAKER LOCK.				
RECEPTACLE	10620 VA	97.08%	10310 VA	43 A	22674 VA	DEMAND					
					106 A	CONNECTED					
					94 A	DEMAND					
20062.01 - VILLAGE OF MINERVA PARK COMMUNITY BUILDING											



ERIC JAMES BALTZELL
LICENSE #E-65072
EXPIRATION DATE: 12/31/2023



MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA
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VILLAGE OF MINERVA PARK
COMMUNITY BUILDING

ISSUANCES/REVISIONS		
BID DOCUMENTS	01/31/2022	
1 ADDENDUM 01	02/11/2022	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
20062.01	KCR	SH

SHEET TITLE:
**ELECTRICAL
ONE-LINE & PANEL
SCHEDULES**

SHEET NUMBER:
E7.1