

PROJECT *(Name and Address)*
EAST HEIGHTS ELEMENTARY SCHOOL RENOVATION
1776 ADAMS LANE
HENDERSON, KY 42420

CHANGE ORDER NUMBER: 14-2-1
INITIATION DATE: 6/11/2025

TO CONTRACTOR *(Name and Address)*
CUMMINS, INC.

PROJECT NUMBERS: 000847
CONTRACT DATE: 1/6/2025
CONTRACT FOR: PO #14-02

THE CONTRACT IS CHANGED AS FOLLOWS:

The original Contract Sum was	62,500.00
Net change by previously authorized Change Orders	0.00
The Contract Sum prior to this Change Order was	62,500.00
The Contract Sum will be Increased by this Change Order in the amount of	1,825.00
The new Contract Sum including this Change Order will be	64,325.00

The Contract Time will be adjusted by 0 days.

The date of Substantial Completion as of the date of this Change Order therefore is 7/22/2027.

NOT VALID UNTIL SIGNED BY THE CONSTRUCTION MANAGER, ARCHITECT, CONTRACTOR AND OWNER.

CODELL CONSTRUCTION COMPANY

CONSTRUCTION MANAGER *(Firm Name)*
4475 ROCKWELL ROAD WINCHESTER, KY 40391

ADDRESS

BY *(Signature)*

(Typed Name)

DATE:

CUMMINS, INC.

CONTRACTOR *(Firm Name)*

ADDRESS

BY *(Signature)*

(Typed Name)

DATE:

RBS DESIGN GROUP ARCHITECTURE

ARCHITECT *(Firm Name)*
723 HARVARD DRIVE OWENSBORO, KY 42301

ADDRESS

BY *(Signature)*

(Typed Name)

DATE:

HENDERSON COUNTY BOARD OF EDUCATION

OWNER *(Firm Name)*
1805 SECOND STREET HENDERSON, KY 42420

ADDRESS

BY *(Signature)*

(Typed Name)

DATE:



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Change Order - Construction Manager-Adviser Edition

OWNER ☒
 CONSTRUCTION MANAGER ☐
 ARCHITECT ☐
 CONTRACTOR ☐
 FIELD ☐
 OTHER ☐

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 4475 ROCKWELL ROAD WINCHESTER, KY 40391

ARCHITECT (Firm Name)
 723 HARVARD DRIVE OWENSBORO, KY 42301

ADDRESS

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CUMMINS, INC.

HENDERSON COUNTY BOARD OF EDUCATION

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DATE:

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User Notes:

(1884033357)



April 17, 2024

Re: PR-01– Electrical Panelboards
Henderson Co. East Heights Elementary School
CMTA Project No. XHER23

Mr. Blake Graham,

Please issue the following directive as a PR for the aforementioned project. The PR includes the following drawings and written description:

1. Refer to Sheet E0.30 – PANEL SCHEDULES:
 - a. Refer to clouded region. Provide 225A panel for PP3 instead of 100A.
 - b. Refer to clouded region. Provide 60A/3P breaker at PP3 panel for LP3 instead of 100A/3P breaker. Refer to clouded changes on One-line diagram for updated wire size and conduit: 4-#6, 1-#10 instead of 4-#3, 1-#8.
 - c. Refer to clouded region. PP5 panel shall be MLO instead of MCB.
2. Refer to Sheet E0.31 – PANEL SCHEDULES:
 - a. Refer to clouded region. MP1 panel shall be MLO instead of MCB.
 - b. Refer to clouded region. DP4 distribution panel shall be MLO instead of MCB.
 - c. Refer to clouded region. ELS1 panel shall be 225A MCB instead of 100A MLO. Provide 60A/3P breaker at ELS1 panel for ELS1B instead of 100A/3P breaker. Refer to general note shown on this panel schedule. Refer to clouded changes on One-line diagram for updated wire size and conduit.
 - d. Refer to clouded region. ESB1 panel shall be 225A MCB instead of 225A MLO. Refer to general note shown on this panel schedule.
 - i. Refer to One-line diagram and clouded region on Sheet E3.78: Omit SBATS2 transfer switch to panel ESB2. ESB2 panel shall be fed from ESB1 panel and be provided with 60A/3P breaker at ESB1. Refer to One-line diagram for wire size and conduit.
 1. ESB2 panel shall be 100A MLO instead of 225A MCB.
 - ii. Refer to One-line diagram: Refer to updated wire size and conduit for panel ESB1B.
3. Refer to Sheet E2.78 – ELECTRICAL ONE-LINE DIAGRAM DEMOLITION – PHASE 2
 - a. Refer to clouded region for correction.
4. Refer to Sheet E2.88 – NEW ELECTRICAL ONE-LINE DIAGRAM – PHASE 2
 - a. Refer to clouded regions for changes:
 - i. Provide 60A/3P at the new NMDP for both LP1 and LP2 instead of 100A/3P. Refer to change/decrease in wire size as well.
 - ii. Provide DP4 with MLO instead of MCB.

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- iii. PP5 is now shown as being fed from EX (SIEMENS) MDP. Utilize existing 100A/3P spare breaker at the panel.
- iv. LP3 shown with change/decrease in wire size.
- v. Per Item #2(d)(i): ESB2 panel fed from ESB1 panel.
- b. For Generator panels:
 - i. General note: Refer to changes in wire sizes.
 - ii. Provide two (2) 225A/3P electronic trip breakers on the generator instead of four(4) 100A/3P breakers on the generator: One for ELS1 branch and the other for ESB1 branch.
 - iii. Docking Station shall be 225A/3P instead of 100A/3P.
 - iv. LSATS transfer switch shall be 225A/4P instead of 100A/4P.
 - v. SBATS transfer switch shall be 225A/4P instead of 100A/4P.
 - vi. Refer to additional information for the provision of dedicated load center for generator circuits (battery charger, heater, etc.).
- 5. Refer to Sheet E3.11 – ELECTRICAL DEMOLITION PLAN – PHASE 3 – AREA B
 - a. Refer to clouded region and clouded tagged notes for demolition of existing Onan ATS to existing Life Safety (E Panel). Refer to One-line diagrams for more information of scope of work.
- 6. Refer to Sheet E3.78 – ELECTRICAL ONE-LINE DIAGRAM DEMOLITION – PHASE 3
 - a. Refer to clouded regions:
 - i. Revised One-line diagram to reflect changes in accordance with listed items above.
- 7. Refer to Sheet E4.88 – NEW ELECTRICAL ONE-LINE DIAGRAM – PHASE 4
 - a. Refer to clouded regions:
 - i. Revised One-line diagram to reflect changes in accordance with listed items above.
- 8. Refer to Sheet EU1.2 – ELECTRICAL SITE UTILITY NEW WORK PLAN
 - a. Refer to clouded region on drawings and clouded tagged notes for location/mounting of dedicated load center to generator circuits.

If you need any further assistance, please don't hesitate to contact me.

Sincerely,

Adrian Partridge

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PANEL: LP1							MOUNTING: SURFACE						PANEL INTERRUPTING RATING: 1800V												
VOLTAGE: 208Y/120V/3Ø/4W AMPERS: 100 A									SPD: No									LICATION:							
CIRCUIT DESCRIPTION			HOT, NEUT, GND			OCP P	CKT A	B			C	CKT P	OCP	HOT, NEUT, GND			CIRCUIT DESCRIPTION			NOTES					
			LTNG - EXTERIOR			20	1	1	0.1	0.6			2	1	20	1#12; 1#12; 1#12	LTNG - RM 125 & MECH-123								
			LTNG - CORRIDOR			--	20	1	3	0.6	0.7		4	1	20	1#12; 1#12; 1#12	LTNG - RM 120 & RM 118								
			SPARE			--	20	1	5				0	0.5	6	1	20	1#12; 1#12; 1#12	LTNG - RM 131; RM 128 ACCESS..						
			LTNG - RM 132 & RM 133			1#12; 1#12; 1#12	20	1	7	0.7	0.8		8	1	20	1#12; 1#12; 1#12	LTNG - RM 121 A-B & RM 119								
			LTNG - RR BUS 124, JAN 124A, &			1#12; 1#12; 1#12	20	1	9		0.9	0.7	10	1	20	1#12; 1#12; 1#12	LTNG - CORRIDOR								
			LTNG - RM 130 & RM 128			1#12; 1#12; 1#12	20	1	11				0.7	0.4	12	1	20	1#12; 1#12; 1#12	LTNG - MEEZZANINE						
			LTNG - SITE PARKING			1#12; 1#12; 1#12	20	1	13	0.1	0.2		14	1	20	1#12; 1#12; 1#12	LTNG - SITE PARKING								
			LTNG - SITE PARKING			1#12; 1#12; 1#12	20	1	15		0.1	0.0		16	1	20	--	SPARE							
			SPARE			--	20	1	17					0.0	0.0	18	1	20	--	SPARE					
			SPARE			--	20	1	19	0.0	0.0		20	1	20	--	SPARE								
			SPARE			--	20	1	21		0.0	0.0	22	1	20	--	SPARE								
			SPARE			--	20	1	23				0.0	0.0	24	1	20	--	SPARE						
			SPARE			--	20	1	25	0.0	0.0		26	1	20	--	SPARE								
			SPARE			--	20	1	27		0.0	0.0	28	1	20	--	SPARE								
			SPARE			--	20	1	29				0.0	0.0	30	1	20	--	SPARE						
									25 kVA		31 kVA		1.7 kVA												
									22 A		27 A		14 A												
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR			ESTIMATED DEMAND			PANEL TOTALS													
EQUIP			0 VA			0.00%			0 VA			TOTAL CONNECTED LOAD: 7199 VA													
LTNG			7199 VA			100.00%			7199 VA			TOTAL ESTIMATED DEMAND: 7199 VA													
												TOTAL CONNECTED CURRENT: 20 A													
												TOTAL ESTIMATED DEMAND CURRENT: 20 A													
												25 % ADDITIONAL CAPACITY: 5 A													
												TOTAL PANEL CURRENT: 25 A													

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANEL: 1R1			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 18,000									
VOLTAGE: 208Y/120V/3P/4W			SPD: NO			LOCATION:									
AMPERES: 225 A			MOUNTING: SURFACE			SUPPLY FROM: NSWB									
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCIP	P	CKT	A	B	C	CKT	P	OCIP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC- 2ND GRADE RM 133	1.412; 1.412; 1.412	20	1	1	0.5	0.5		2	1	20	1.412; 1.412; 1.412	REC- TEACHER 2ND GRADE RM 133		
	REC- 2ND GRADE RM 133	1.412; 1.412; 1.412	20	1	2		0.5	0.5	4	1	20	1.412; 1.412; 1.412	REC- 2ND GRADE RM 132		
	REC- TEACHER 2ND GRADE RM 132	1.412; 1.412; 1.412	20	1	5			0.5	0.5	6	1	1.412; 1.412; 1.412	REC- 2ND GRADE RM 128		
	REC- COMPUTER RM 131	1.412; 1.412; 1.412	20	1	7	0.4	0.5		8	1	20	1.412; 1.412; 1.412	REC- TEACHER COMPUTER RM 131		
	REC- COMPUTER RM 131	1.412; 1.412; 1.412	20	1	9		0.5	0.5	10	1	20	1.412; 1.412; 1.412	REC- TEACHER 2ND GRADE RM 130		
	REC- 2ND GRADE RM 130, CLOSE	1.412; 1.412; 1.412	20	1	11			0.5	0.5	12	1	1.412; 1.412; 1.412	REC- 2ND GRADE RM 130		
	REC- TEACHER 2ND GRADE RM 128	1.412; 1.412; 1.412	20	1	13	0.5	0.5		14	1	20	1.412; 1.412; 1.412	REC- 2ND GRADE RM 128		
	REC- 2ND GRADE RM 128, CLOSE	1.412; 1.412; 1.412	20	1	15		0.5	0.4	16	1	20	1.412; 1.412; 1.412	REC- ACCESS 12TA, Rm 127B		
	REC- FIRE SUPPRESSION RM 129	1.412; 1.412; 1.412	20	1	17			0.5	0.5	18	1	1.412; 1.412; 1.412	REC- TEACHER FMD RM 125		
	REC- FMD RM 125	1.412; 1.412; 1.412	20	1	19	0.4	0.5		20	1	20	1.412; 1.412; 1.412	REC- FMD RM 125		
	REC- KINDERGARTEN RM 122	1.412; 1.412; 1.412	20	1	21		0.5	0.5	22	1	20	1.412; 1.412; 1.412	REC- TEACHER KINDERGARTEN R.T.		
	REC- KINDERGARTEN RM 122	1.412; 1.412; 1.412	20	1	23			0.5	0.4	24	1	1.412; 1.412; 1.412	REC- BR 124 & GR 126		
	REC- CORRIDOR C100	1.412; 1.412; 1.412	20	1	25	0.5	0.5		26	1	20	1.412; 1.412; 1.412	REC- TEACHER KINDERGARTEN R.		
	REC- KINDERGARTEN RM 120	1.412; 1.412; 1.412	20	1	27		0.5	0.5	28	1	20	1.412; 1.412; 1.412	REC- KINDERGARTEN RM 120		
	REC- KINDERGARTEN RM 118	1.412; 1.412; 1.412	20	1	29			0.5	0.5	30	1	1.412; 1.412; 1.412	REC- TEACHER KINDERGARTEN R.T.		
	REC- KINDERGARTEN RM 119	1.412; 1.412; 1.412	20	1	31	0.5	0.5		32	1	20	1.412; 1.412; 1.412	REC- TEACHERS 1ST GRADE RM 118		
	REC- 1ST GRADE RM 117	1.412; 1.412; 1.412	20	1	33		0.4	0.5	34	1	20	1.412; 1.412; 1.412	REC- 1ST GRADE RM 119		
	MOTORIZED ROLLER SHADES	1.412; 1.412; 1.412	20	1	35		0.5	0.5	36	1	20	1.412; 1.412; 1.412	MOTORIZED ROLLER SHADES		
	SPARE	--	20	1	0.0	0.0			38	1	20		SPARE		
	SPARE	--	20	1	39		0.0	0.0	40	1	20		SPARE		
	SPARE	--	20	1	41			0.0	0.0	42	1	20		SPARE	
	SPARE	--	20	1	43	0.0	0.0		44	1	20		SPARE		
	SPARE	--	20	1	45		0.0	0.0	46	1	20		SPARE		
	SPARE	--	20	1	47			0.0	0.0	48	1	20		SPARE	
	SPARE	--	20	1	4										

PANEL: PP3 VOLAGE: 307/120V/3P,4W AMPERS: 225 A			MAINS TYPE: MLO SPD: NO MOUNTING: SURFACE			PANEL INTERRUPTING RATING: 10000 LOCATION: Space 42 SUPPLY FROM: OP4									
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC- TEACHER 3RD GRADE RM 146	1.412, 1.412, 1.412	20	1	0	4	0.5		2	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 3RD GRADE		
	REC- 3RD GRADE RM 146	1.412, 1.412, 1.412	20	1	1	3	0.5	0.4	1.412, 1.412, 1.412	1	20	1.412, 1.412, 1.412	REC- TEACHER 3RD GRADE RM 148		
	REC- SMARTBOARD 3RD GRADE	1.412, 1.412, 1.412	20	1	5			0.5	0.5	6	20	1.412, 1.412, 1.412	REC- 3RD GRADE RM 148		
	REC- TEACHER 3RD GRADE RM 147	1.412, 1.412, 1.412	20	1	7	0	4	0.5	8	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 3RD GRADE		
	REC- 3RD GRADE RM 147	1.412, 1.412, 1.412	20	1	9			0.5	10	1	20	1.412, 1.412, 1.412	REC- TEACHER 4TH GRADE RM 150		
	REC- 4TH GRADE RM 150	1.412, 1.412, 1.412	20	1	11			0.5	12	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 4TH GRADE R		
	REC- SMARTBOARD 4TH GRADE R	1.412, 1.412, 1.412	20	1	13	0.5	0.5		14	1	20	1.412, 1.412, 1.412	REC- TEACHER 4TH GRADE RM 149		
	REC- 4TH GRADE RM 149	1.412, 1.412, 1.412	20	1	15		0.4	0.5	16	1	20	1.412, 1.412, 1.412	REC- CORRIDOR		
	REC- RR 1918 & RR 151A	1.412, 1.412, 1.412	20	1	17			0.4	0.5	18	20	1.412, 1.412, 1.412	REC- TEACHER 4TH GRADE RM 152		
	REC- SMARTBOARD 4TH GRADE R	1.412, 1.412, 1.412	20	1	19	0.5	0.5		20	1	20	1.412, 1.412, 1.412	REC- 4TH GRADE RM 152		
	REC- TEACHER 5TH GRADE RM 154	1.412, 1.412, 1.412	20	1	21		0.5	0.5	22	1	20	1.412, 1.412, 1.412	REC- 5TH GRADE RM 154		
	REC- SMARTBOARD 5TH GRADE R	1.412, 1.412, 1.412	20	1	23			0.5	0.5	24	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 5TH GRADE R	
	REC- TEACHER 5TH GRADE RM 153	1.412, 1.412, 1.412	20	1	25	0.5	0.5		26	1	20	1.412, 1.412, 1.412	REC- 5TH GRADE RM 153		
	REC- TEACHER 5TH GRADE RM 156	1.412, 1.412, 1.412	20	1	27			0.5	0.7	28	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 5TH GRADE R	
	REC- 5TH GRADE RM 156	1.412, 1.412, 1.412	20	1	29			0.5	0.5	30	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 5TH GRADE RM 155	
	REC- 5TH GRADE RM 155	1.412, 1.412, 1.412	20	1	31	0.5	0.5		32	1	20	1.412, 1.412, 1.412	REC- SMARTBOARD 5TH GRADE R		
	REC- OUTDOOR ENV2	1.410, 1.412, 1.412	20	1	33		0.4	1.8	34	1	30	1.410, 1.410, 1.410			
	HEAT TRAC	1.410, 1.410, 1.410	30	1	35			1.8	0.5	36	1	20	1.412, 1.412, 1.412	MOTORIZED ROLLER SHADES	
	EQUIP	1.412, 1.412, 1.412	20	1	37	0.5	0.5		38	1	20	1.412, 1.412, 1.412	EQUIP		
	EQUIP	1.412, 1.412, 1.412	20	1	39		0.3	0.0	40	1	20		SPARE		
	SPARE	--	20	1	41		0.0	0.0	42	1	20	--	SPARE		
	SPARE	--	20	1	43	0.0	0.0		44	1	20	--	SPARE		
	SPARE	--	20	1	45		0.0	0.0	46	1	20	--	SPARE		
	SPARE	--	20	1	47			0.0	0.0	48	1	20	--	SPARE	
	SPARE	--	20	1	49	0.0	1.7		50	3	60	3-6, 1-6, 1-10	UPS		
	SPARE	--	20	1	51		0.0	1.3	52	3	60				
									54						

PANEL: LP2			MANS TYPE: MLO			PANEL INTERRUPTING RATING: 10,000								
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			LOCATION:								
AMPERS: 100 A			MOUNTING: SURFACE			SUPPLY FROM: NSWB								
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCIP	P	CKT	A	B	C	CKT	P	OCIP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	LTNG - EXTENSOR CANOPY	1-412, 1-412, 1-412	20	1	1	0.1	0.2		2	1	20	1-412, 1-412, 1-412	LTNG - MEZZANINE	
	LTNG - CANOPY	1-412, 1-412, 1-412	20	1	3		0.1	0.3	4	1	20	1-412, 1-412, 1-412	LTNG - RM 153	
	LTNG - CORRIDOR C101	1-412, 1-412, 1-412	20	1	5			0.2	0.3	6	1	20	1-412, 1-412, 1-412	LTNG - CANOPY
	LTNG - MEZZANINE	1-412, 1-412, 1-412	20	1	7	0.4	0.8		8	1	20	1-412, 1-412, 1-412	LTNG - RM 110, 108, 106, 104, & 101	
	LTNG - RM 117 & 115	1-412, 1-412, 1-412	20	1	9		0.7	0.4	10	1	20	1-412, 1-412, 1-412	LTNG - CORRIDOR	
	LTNG - RM 116, 114, 112, & 112A	1-412, 1-412, 1-412	20	1	11			0.6	0.5	12	1	20	1-412, 1-412, 1-412	LTNG - RM 109, 107, 103M 102, 102.
	LTNG - RM 113, 111 A-B	1-412, 1-412, 1-412	20	1	13	0.8	0.4		14	1	20	1-412, 1-412, 1-412	LTNG - ENTRY 100	
	LTNG - CORRIDOR C100	1-412, 1-412, 1-412	20	1	15		0.4	0.4	16	1	20	1-412, 1-412, 1-412	LTNG - DAYCARE 2 RM 138	
	LTNG - DAYCARE RM 134 & 136	1-412, 1-412, 1-412	20	1	17			0.6	0.2	18	1	20	1-412, 1-412, 1-412	LTNG - CORRIDOR C102 & C103
	LTNG - EXT SIGNAGE	1-412, 1-412, 1-412	20	1	19	0.1	0.1		20	1	20	1-412, 1-412, 1-412	LTNG - EXT SIGNAGE	
	LTNG - EXT SIGNAGE	1-412, 1-412, 1-412	20	1	21		0.1	0.1	22	1	20	1-412, 1-412, 1-412	LTNG - EXT SIGNAGE	
	LTNG - TAPE LIGHT RECEPTION	1-412, 1-412, 1-412	20	1	23			0.3	0.0	24	1	20	--	SPARE
	SPARE	--	20	1	25	0.0	0.0		26	1	20	--	SPARE	
	SPARE	--	20	1	27			0.0	0.0	28	1	20	--	SPARE
	SPARE	--	20	1	29			0.0	0.0	30	1	20	--	SPARE
						29 kVA	25 kVA	28 kVA						
						26 A	27 A	23 A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS							
LTNG		8151 VA	100.00%		8151 VA		TOTAL CONNECTED LOAD: 8151 VA							
							TOTAL ESTIMATED DEMAND: 8151 VA							
							TOTAL CONNECTED CURRENT: 23 A							
							TOTAL ESTIMATED DEMAND CURRENT: 23 A							
							25 % ADDITIONAL CAPACITY: 6 A							
							TOTAL PANEL CURRENT: 28 A							
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.														

PANEL: 2RP1			MANS TYPE: MLO				PANEL INTERRUPTING RATING: 18,000								
VOLTAGE: 208Y120V/3P/4W			SPD: No				LOCATION:								
AMPERS: 225 A			MOUNTING: SURFACE				SUPPLY FROM: NSWB								
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC - EXTERIOR	1.412, 1.412, 1.412	2	1	1	0.4	0.4		2	1	20	1.412, 1.412, 1.412	REC - EXTERIOR		
	REC - EXTERIOR	2.142, 2.142, 1.412	2	1	1	5	0.5	0.2	2	1	20	1.412, 1.412, 1.412	REC - EXTERIOR	1	
1	REC - EWC	1.412, 1.412, 1.412	2	1	1	5			0.2	1.4	6	1.412, 1.412, 1.412	HAND DRIVER		
	RR - AUTO HAND DRIVER	1.412, 1.412, 1.412	2	1	7	1.4	0.7		8	1	20	1.412, 1.412, 1.412	REC - RESOURCE RM 121A & 121B		
	REC - RESOURCE RM 111B	1.412, 1.412, 1.412	2	1	9		0.4	0.4	10	1	20	1.412, 1.412, 1.412	REC - RESOURCE RM 121B		
	REC - RESOURCE RM 121B	1.412, 1.412, 1.412	2	1	11				12	1	20	1.412, 1.412, 1.412	REC - RESOURCE RM 121A		
	REC - RESOURCE RM 121A	1.412, 1.412, 1.412	2	1	13	0.7	0.5		14	1	20	1.412, 1.412, 1.412	REC - 1ST GRADE RM 119		
	REC - 1ST GRADE RM 119	1.412, 1.412, 1.412	2	1	15		0.4	0.5	16	1	20	1.412, 1.412, 1.412	REC - TEACHERS 1ST GRADE RM.		
	REC - FRC DESK RM 116	1.412, 1.412, 1.412	2	1	17			0.5	0.5	18	1	20	1.412, 1.412, 1.412	REC - FRC RM 112	
	REC - SNA OFFICE RM 114	1.412, 1.412, 1.412	2	1	19	0.9	0.5		20	1	20	1.412, 1.412, 1.412	REC - MUSIC RM 135		
	REC - RESOURCE RM 111A	1.412, 1.412, 1.412	2	1	21		0.4	0.4	22	1	20	1.412, 1.412, 1.412	REC - DAYCARE RM 134		
	REC - DAYCARE 2 138	1.412, 1.412, 1.412	2	1	23			0.4	0.4	24	1	20	1.412, 1.412, 1.412	REC - DAYCARE 2 RM 138	
	REC - LAPTOP CHARGING STN. RM.	1.412, 1.412, 1.412	2	1	25	0.4	0.4		26	1	20	1.412, 1.412, 1.412	REC - LAPTOP CHARGING STN. RM.		
	REC - LAPTOP CHARGING STN. RM.	1.412, 1.412, 1.412	2	1	27		0.4	0.4	28	1	20	1.412, 1.412, 1.412	REC - LAPTOP CHARGING STN. RM.		
	REC - LAPTOP CHARGING STN. RM.	1.412, 1.412, 1.412	2	1	29			0.4	0.4	30	1	20	1.412, 1.412, 1.412	REC - LAPTOP CHARGING STN. RM.	
	SPARE	--	2	1	31	0.0	0.0		32	1	20	--	SPARE		
	MOTORIZED ROLLER SHADES	1.412, 1.412, 1.412	2	1	33		0.5	0.5	34	1	20	1.412, 1.412, 1.412	MOTORIZED ROLLER SHADES		
	MOTORIZED ROLLER SHADES	1.412, 1.412, 1.412	2	1	35			0.6	0.3	36	1	20	1.412, 1.412, 1.412	MOTORIZED ROLLER SHADES	
	SPARE	--	2	1	40	0.0	0.0		38	1	20	--	SPARE		
	MOTORIZED ROLLER SHADES	1.412, 1.412, 1.412	2	1	39		0.5	0.5	40	1	20	1.412, 1.412, 1.412	MOTORIZED ROLLER SHADES		
	SPARE	--	2	1	41			0.0	0.0	42	1	20	--	SPARE	
	SPARE	--	2	1	43	0.0	0.0		44	1	20	--	SPARE		
	SPARE	--	2	1	45		0.0	0.0	46	1	20	--	SPARE		
	SPARE	--	2	1	47			0.0	0.0	48	1	20	--	SPARE	
	SPARE	--	2	1	49	0.0	0.0		50	1	20	--	SPARE		

PANEL: PP4			MANS TYPE: MLO			PANEL INTERRUPTING RATING: 10,000									
VOLTAGE: 208Y/120V/3P/4W			SPD: N			LOCATION: MECHANICAL 141									
AMPERS: 225 A			MOUNTING: SURFACE			SUPPLY FROM: OP4									
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	LTNG - Media Center Exterior	1 #12, 1 #12, 1 #12	20	1	1	0.1	0.3		2	1	20	1 #12, 1 #12, 1 #12	MOTORIZED ROLLER SHADES		
	LTNG - RAMP 74	1 #12, 1 #12, 1 #12	20	1	3		0.3	1.1	4	1	20	1 #12, 1 #12, 1 #12	NEW MEDIA LIBRARY LTNG		
	REC- MEDIA CENTER 139 &	1 #12, 1 #12, 1 #12	20	1	5				6	1	20	1 #12, 1 #12, 1 #12	NEW MEDIA LIBRARY LTNG		
	REC- FLOORBOX MEDIA CENTER...	1 #12, 1 #12, 1 #12	20	1	7	0.4	0.6		8	1	20	1 #12, 1 #12, 1 #12	NEW OFFICE MECHANICAL...		
	REC- MEDIA CENTER 139...	1 #12, 1 #12, 1 #12	20	1	9		0.4	0.5	10	1	20	1 #12, 1 #12, 1 #12	REC- OFFICE 142 & CORRIDOR		
	SPARE	--	20	1	11				0.0	0.0	12	1	20	SPARE	
	SPARE	--	20	1	13	0.0	0.4		14	1	20	1 #12, 1 #12, 1 #12	REC- MEDIA CENTER 139...		
	REC- MEDIA CENTER 139	1 #12, 1 #12, 1 #12	20	1	15		0.5	0.7	16	1	20	1 #12, 1 #12, 1 #12	REC- FLOORBOX MEDIA CENTER...		
	REC- OFFICE 140	1 #12, 1 #12, 1 #12	20	1	17				0.4	0.5	18	1	20	1 #12, 1 #12, 1 #12	REC- STORAGE 143
	SPARE	--	20	1	19	0.0	0.5		20	1	20	1 #12, 1 #12, 1 #12	REC- OFFICE 142		
	SPARE	--	20	1	21		0.0	0.0			22	1	20	SPARE	
	SPARE	--	20	1	23				0.0	0.5	24	1	20	1 #12, 1 #12, 1 #12	REC- MEDIA CENTER 139 &...
	REC- MECHANICAL 141 & EXTERIOR	1 #12, 1 #12, 1 #12	20	1	25	0.5	0.0		26	1	20	--	SPARE		
	SPARE	--	20	1	27				0.0	0.0	28	1	20	SPARE	
	SPARE	--	20	1	29		0.0		0.0	0.7	30	1	20	1 #12, 1 #12, 1 #12	REC- MEDIA CENTER 139
	REC- CORRIDOR & OFFICE	1 #12, 1 #12, 1 #12	20	1	31	0.7	0.0		32	1	20	--	SPARE		
	SPARE	--	20	1	33		0.0	0.0	34	1	20	--	SPARE		
	SPARE	--	20	1	35				0.0	0.0	36	1	20	SPARE	
	SPARE	--	20	1	37	0.0	0.0		38	1	20	--	SPARE		
	SPARE	--	20	1	39		0.0	0.0	40	1	20	--	SPARE		
	SPARE	--	20	1	41				0.0	0.0	42	1	20	SPARE	
	SPARE	--	20	1	43	0.0	0.0		44	1	20	--	SPARE		
	SPARE	--	20	1	45		0.0	0.0	46	1	20	--	SPARE		
	SPARE	--	20	1	47				0.0	0.0	48	1	20	SPARE	
	SPARE	--	20	1	49	0.0	0.0		50	1	20	--	SPARE		
	SPARE	--	20	1	51		0.0	0.0	52	1	20	--	SPARE		
	SPARE	--	20	1	53				0.0	0.0	54	1	20	SPARE	
						3.5kVA		3.5kVA			3.6 kVA				
						29 A		29 A			30 A				
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND										

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PANELBOARD AND WIRING SCHEDULE

PANEL: MP1											
VOLTAGE: 208Y/120V, 3P, 4W											
AMPERES: 225 A											
PANEL INTERRUPTING RATING: 10,000											
LOCATION: MECHANICAL 141											
SUPPLY FROM: NSWB											
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	3	1.0	0.5		4	1	20
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	5			1.0	6	2	20
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	7	1.0	1.0		8	2	20
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	9			1.0	10	3	15
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	11	1.0	1.0		12	3	15
	RP-01 - FIRE SUPPRESSION 129	1-#12, 1-#12, 1-#12	20	1	17			0.3	18	1	20
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	21	1.0	0.1		22	1	20
	TP-1 - MECH 123	1-#12, 1-#12, 1-#12	20	1	25	0.1	1.0		26	3	20
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	27			1.0	28	3	15
	RP-02 - FIRE SUPPRESSION 129	1-#12, 1-#12, 1-#12	20	1	31	0.3	0.4		32	2	20
	WH-02 - FIRE SUPPRESSION 129	1-#12, 1-#12, 1-#12	20	1	33		0.6		34	1	20
	VHP-12 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	37	0.7		0.7	38	1	20
	SPARE	--	20	1	39		0.0	0.0	40	1	20
	SPARE	--	20	1	41		0.0	0.0	42	1	20
	SPARE	--	20	1	43	0.0	0.0		44	1	20
	SPARE	--	20	1	45		0.0	0.0	46	1	20
	SPARE	--	20	1	47		0.0	0.0	48	1	20
	SPARE	--	20	1	49	0.0	0.0		50	1	20
	SPARE	--	20	1	51		0.0	0.0	52	1	20
	SPARE	--	20	1	53			0.0	54	1	20
						9.2 kVA	8.1 kVA	9.4 kVA			
						78 A	68 A	80 A			
PANEL TOTALS											
TOTAL CONNECTED LOAD: 26760 VA											
TOTAL ESTIMATED DEMAND: 21660 VA											
TOTAL CONNECTED CURRENT: 74 A											
TOTAL ESTIMATED DEMAND CURRENT: 60 A											
25 % ADDITIONAL CAPACITY: 15 A											
TOTAL PANEL CURRENT: 75 A											
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.											

PANELBOARD AND WIRING SCHEDULE

PANEL: DP4											
VOLTAGE: 208Y/120V, 3P, 4W											
AMPERES: 600 A											
PANEL INTERRUPTING RATING: 10,000											
LOCATION: MECHANICAL 141											
SUPPLY FROM: NSWB											
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB
	PP4	3-#10, 1-#10, 1-#6	150	3	3	2.5	3.5	8.9	6	2	150
	MP4	3-#40, 1-#40, 1-#4	225	3	9	14.8	7.1		8	3	125
	P-1A PUMP	3-#1, 1-#1, 1-#6	125	3	15	7.2	9.8		16	3	125
	HHP-09	2-#12, 1-#12, 1-#12	20	2	19	0.5	0.0		20	3	60
	SPARE	--	20	1	25	0.0	0.0		26	3	60
	SPARE	--	20	1	27		0.0	0.0	28	3	60
	SPARE	--	20	1	29		0.0	0.0	30	3	60
	SPARE	--	20	1	31	0.0	0.0		32	3	30
	SPARE	--	20	1	33		0.0	0.0	34	3	30
						51.5 kVA	52.6 kVA	51.2 kVA			
						429 A	439 A	426 A			
PANEL TOTALS											
TOTAL CONNECTED LOAD: 153267 VA											
TOTAL ESTIMATED DEMAND: 123327 VA											
TOTAL CONNECTED CURRENT: 431 A											
TOTAL ESTIMATED DEMAND CURRENT: 342 A											
25 % ADDITIONAL CAPACITY: 86 A											
TOTAL PANEL CURRENT: 428 A											
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.											

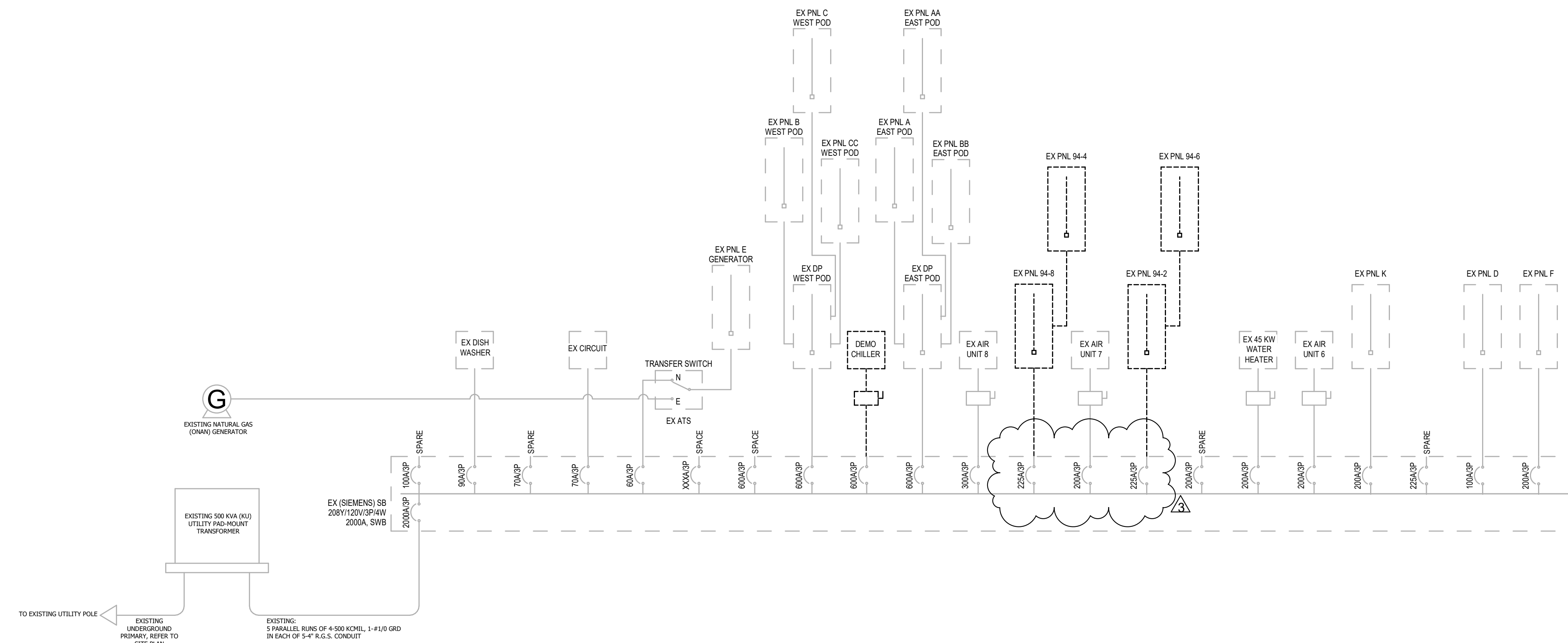
PANELBOARD AND WIRING SCHEDULE

PANEL: ESB2											
VOLTAGE: 208Y/120V, 3P, 4W											
AMPERES: 100 A											
PANEL INTERRUPTING RATING: 22,000											
LOCATION: Space 101											
SUPPLY FROM: ESB1											
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB
	REC - INDOOR/OUTDOOR CU-24...	1-#12, 1-#12, 1-#12	20	1	1	0.2	0.4		2	1	20
	COOLER COMPRESSOR	2-#10, 1-#10, 1-#10	30	2	3			1.3	2.0	6	2
	REC - IDF AREA B	1-#12, 1-#12, 1-#12	20	1	7	0.4	0.5		8	1	20
	SPARE	--	20	1	9		0.0	0.0	10	1	20
	SPARE	--	20	1	11			0.0	12	2	60
	30A/2P REC RACK	2-#12, 1-#12, 1-#12	20	2	13	1.9	2.0		14	2	60
	SPARE	--	20	1	15		1.9	0.0	16	1	20
	SPARE	--	20	1	17		0.0	0.0	18	1	20
	SPARE	--	20	1	19	0.0	0.0		20	1	20
	SPARE	--	20	1	21		0.0	0.0	22	1	20
	SPARE	--	20	1	23		0.0	0.0	24	1	20
	SPARE	--	20	1	25	0.0	0.0		26	1	20
	SPARE	--	20	1	27		0.0	0.0	28	1	20
	SPARE	--	20	1	29			0.0	30	1	20
						5.1 kVA	5.1 kVA	5.1 kVA			
						44 A	44 A	44 A			
PANEL TOTALS											
TOTAL CONNECTED LOAD: 15600 VA											
TOTAL ESTIMATED DEMAND: 12660 VA											
TOTAL CONNECTED CURRENT: 43 A											
TOTAL ESTIMATED DEMAND CURRENT: 35 A											
25 % ADDITIONAL CAPACITY: 9 A											
TOTAL PANEL CURRENT: 44 A											
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.											

PANELBOARD AND WIRING SCHEDULE

PANEL: MP2				MANS TYPE: MLO				PANEL INTERRUPTING RATING: 10,000					
VOLTAGE: 208Y/120V, 3P, 4W				SPD: No				LOCATION:					
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM: NSWB					
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	VHP-09 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	1	0.5	0.5		2	2	15	2-#12, 1-#12, 1-#12	VHP-09 - Mezzanine
	VHP-06 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	5			0.4	6	2	15	2-#12, 1-#12, 1-#12	VHP-06 - Mezzanine
	VHP-06 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	9		0.4	0.4	10	2	15	2-#12, 1-#12, 1-#12	VHP-06 - Mezzanine
	VHP-09 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	11			0.4	12	3	15	2-#12, 1-#12, 1-#12	VHP-06 - Mezzanine
	VHP-09 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	13	0.5	1.0		14	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	19	1.0	1.0		16	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	21		1.0	1.0	20	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	23			1.0	22	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	25	1.0	1.0		24	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	27			1.0	26	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	29			1.0	28	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	31	1.0	1.0		30	2	20	2-#12, 1-#12, 1-#12	VHP-18 - Mezzanine
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	33		1.0	1.0	32	3	20	2-#12, 1-#12, 1-#12	VHP-18 - Mezzanine
	VHP-12 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	35			1.0	34	2	20	2-#12, 1-#12, 1-#12	VHP-18 Mezzanine
	VHP-12 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	37	1.0	1.0		36	2	20	2-#12, 1-#12, 1-#12	VHP-12 Mezzanine
	CJ-UH - MDF INDOOR/OUTDOOR UNIT	2-#12, 1-#12, 1-#12	20	2	39		0.7	1.0	38	2	20	2-#12, 1-#12, 1-#12	VHP-12 - Mezzanine
	REC - MEZZANINE	1-#12, 1-#12, 1-#12	20	1	41				40	2	20	2-#12, 1-#12, 1-#12	REC - MEZZANINE
	SPARE	--	20	1	43	0.7			42	1	20	2-#12, 1-#12, 1-#12	REC - MEZZANINE
	SPARE	--	20	1	45		1.0	0.2	44	1	20	2-#12, 1-#12, 1-#12	EQUIP
	SPARE	--	20	1	47	0.0	0.0		46	2	20	2-#12, 1-#12, 1-#12	SPARE
	SPARE	--	20	1	51				48	1	20	2-#12, 1-#12, 1-#12	SPARE
	SPARE	--	20	1	53				50	1	20	2-#12, 1-#12, 1-#12	SPARE
					13 kVA	119 kVA	123 kVA						
					115 A	99 A	103 A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS							
EQUIP		37450 VA	80.00%	25960 VA		TOTAL CONNECTED LOAD: 379900 VA							
REC		540 VA	100.00%	540 VA		TOTAL ESTIMATED DEMAND: 30500 VA							
						TOTAL CONNECTED CURRENT: 105 A							
						TOTAL ESTIMATED DEMAND CURRENT: 86 A							
						25 % ADDITIONAL CAPACITY: 21 A							
						TOTAL PANEL CURRENT: 106 A							

ONE-LINE DEMOLITION TAGGED NOTES



EXIST GEAR ONE-LINE DIAGRAM - PHASE 2
② DEMOLITION
SCALE: NONE

ONE-LINE DIAGRAM LINETYPE LEGEND	ABBREVIATIONS	
NEW	SWB	SWITCHBOARD
NEW ENCLOSURE	DP	DISTRIBUTION PANEL
EXISTING	DM	DIGITAL METER PER SPECIFICATIONS
EXISTING ENCLOSURE	SPD	INTEGRAL MOUNTED SURGE PROTECTION DEVICE
DEMOLITION		

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JOB NUMBER	Y230084/ XHER23
DRAWN BY	AP
CHECKED BY	BWR
DATE	09/10/2024

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Paducah, KY 42001
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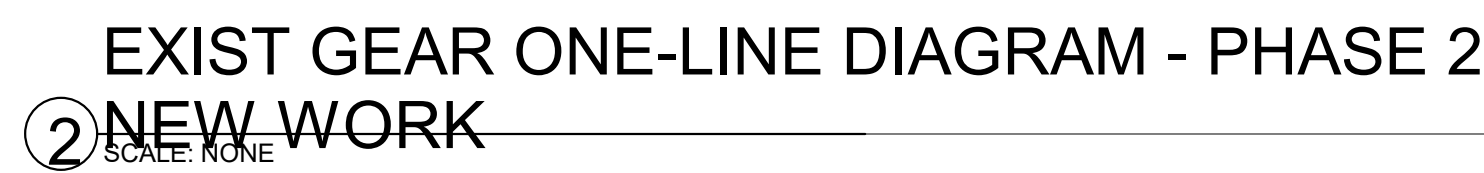
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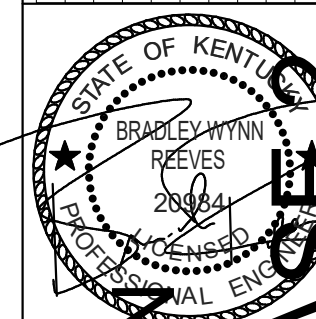
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No.	Description	Date	JOB NUMBER	Y23008A XHER23	ALL JUDGES' MARKERS
3	PR001	04/17/2025	DRAWN BY	AP	THIS DOCUMENT IS THE PROPERTY OF THE STATE OF CALIFORNIA. IT IS TO BE RETURNED TO THE COURT CLERK'S OFFICE IMMEDIATELY UPON THE COMPLETION OF THE COURT REPORTING VEHICLE SERVICE CONTRACT TO THIS FIRM.
			CHECKED BY	BWR	DO NOT DESTROY
			DATE	04/17/2024	USE FOR DOCUMENT ONLY. IF NOT SIGNED, THIS DOCUMENT IS VOID. IF SIGNED, THIS DOCUMENT IS THE PROPERTY OF THE STATE OF CALIFORNIA. IT IS TO BE RETURNED TO THE COURT CLERK'S OFFICE IMMEDIATELY UPON THE COMPLETION OF THE COURT REPORTING VEHICLE SERVICE CONTRACT TO THIS FIRM.



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Indianapolis, KY 42001

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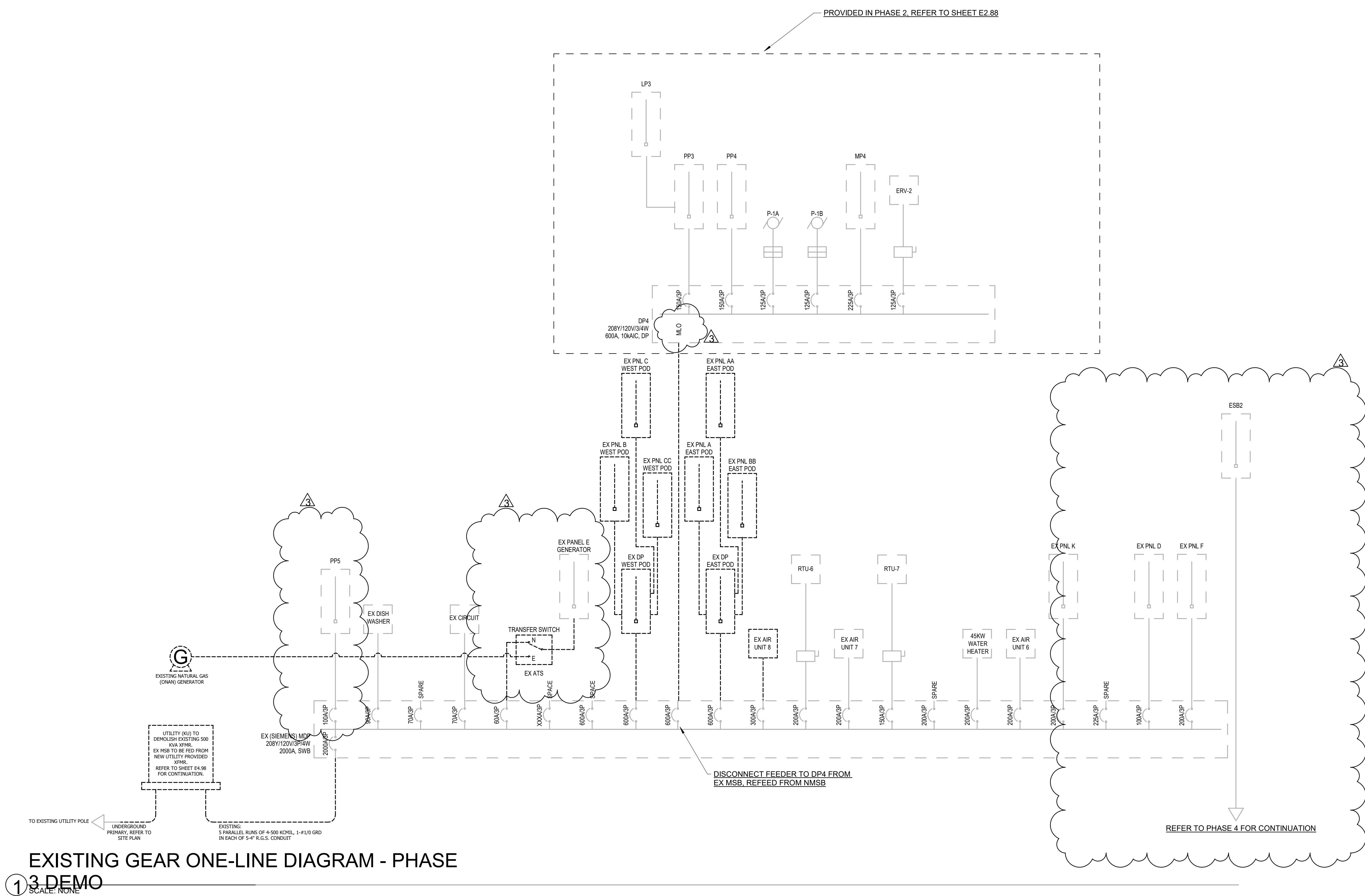
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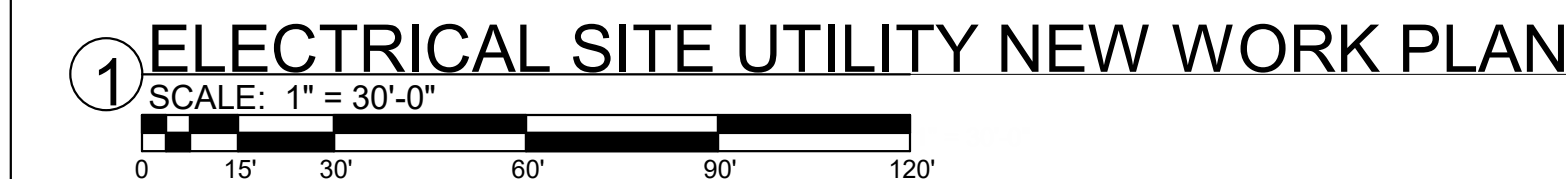
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ONE-LINE DIAGRAM LINETYPE LEGEND	ABBREVIATIONS
NEW _____	SWB SWITCHBOARD
NEW ENCLOSURE ____ _	DP DISTRIBUTION PANEL
EXISTING _____	DM DIGITAL METER PER SPECIFICATIONS
EXISTING ENCLOSURE ____ _	SPD INTEGRAL MOUNTED SURGE PROTECTION DEVICE
DEMOLITION -----	



ONE-LINE DIAGRAM LINETYPE LEGEND	ABBREVIATIONS
<u>NEW</u>	SWB SWITCHBOARD
<u>NEW ENCLOSURE</u> — —	DP DISTRIBUTION PANEL
EXISTING	DM DIGITAL METER PER SPECIFICATIONS
<u>EXISTING ENCLOSURE</u> —	SPD INTEGRAL MOUNTED SURGE PROTECTION DEVICE
<u>DEMOLITION</u>	



L1	PROVIDE NEW SITE LIGHTING WITH 20' POLES IN PHASE 4. REFER TO ELECTRICAL PHASING PLANS AND ELECTRICAL DETAILS FOR MORE INFORMATION. REFER TO TAGGED NOTE L7 FOR CONTINUATION.
L6	COORDINATE WORK WITH ALL TRADES. REFER TO MECHANICAL SITE UTILITY PLAN FOR COORDINATING UNDERGROUND CONDUIT RUN FOR NEW FEEDER. COORDINATE WITH MECHANICAL PIPING, UNDERGROUND FEEDER, GPE PIPING, ETC. OF EXISTING AND NEW AND CONTRACTOR TO MAKE SURE THERE IS NO INTERFERENCE WITH ANY EXISTING OR TO THIS EXISTING SITE LIGHTING POLE THAT REMAINS. PROVIDE EMERGENCY CIRCUIT TO SITE LIGHTING PHASE P3.
L7	FEEDER OF NEW SITE LIGHTING. AT THIS POINT INDICATED, SHALL BE RUN INSIDE WALL CHASE. REFER TO FIRST FLOOR PLAN FOR LOCATION. FEEDER CIRCUIT FEED FROM NEW PANEL P1 (REFER TO SCHEDULE FOR NEW FEEDER SCHEDULE). REFER TO MECHANICAL LUMINAIRE SCHEDULE FOR MORE DETAILS FOR NEW SITE LIGHTING FIXTURES.
S15	LOCATION OF NEW I/OF, ADDED IN PHASE 2. ADJACENT TO MEDIA LIBRARY. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.
S16	LOCATION OF NEW I/OF, ADDED IN PHASE 2. LOCATED IN THE MEZZANINE ABOVE RUN 200. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.
S17	LOCATION OF NEW I/OF, ADDED IN PHASE 2. LOCATED IN THE MEZZANINE ABOVE RUN 200. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.
UE	NEW UTILITY TRANSFORMER PROVIDED BY SITE ELECTRICAL CONTRACTOR. REFER TO ONE-LINE DIAGRAM FOR ELECTRICAL PHASING AND DETAILS.
UE1	PROVIDE NEW 50 KW NATURAL GAS EMERGENCY GENERATOR SET IN PHASE 2. NEW. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION. COORDINATE WITH MECHANICAL PIPING, ALL SIDES OF EQUIPMENT. COORDINATE FINAL LOCATION OF GENERATOR WITH CIVIL DRAWINGS.
UE3	CONTRACTOR TO PROVIDE FEEDERS FOR NEW DISTRIBUTION PANEL DPA (REFER TO ELECTRICAL FLOOR PLANS FOR MORE DETAILS). THESE RUN OF FEEDERS SHALL BE COORDINATED WITH EXISTING FEEDERS. FEEDERS SHALL BE COORDINATED WITH EXISTING SWITCHBOARD IN PHASE 2 THEN TERMINATE TO NEW SWITCHBOARD. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION. REFER TO TAGGED NOTE UE7 FOR CONTINUATION.
UE4	FEEDERS TO BE TEMPORARILY FEED FROM EXISTING MAIN SWITCHBOARD (SIEMENS) IN PHASE 2. REFER TO TAGGED NOTE UE5 FOR CONTINUATION.
UE5	FEEDERS SHALL RUN ABOVE CEILING UP AT THIS POINT INDICATED. FEEDERS SHALL TURN DOWN ALONG THE INTERIOR WALLS. REFER TO CLASSROOM FLOOR PLANS FOR MORE DETAILS. FEEDERS SHALL THEN SUB OUT TO THE MEZZANINE AND TERMINATE TO EXISTING MAIN SWITCHBOARD. REFER TO TAGGED NOTE UE6 FOR CONTINUATION.
UE6	FEEDERS AT THIS POINT INDICATED SHALL SUB IN AND RUN ALONG THE CHASE WALL (REFER TO ELECTRICAL FLOOR PLANS FOR MORE DETAILS). FEEDERS SHALL TURN DOWN TO THE MEZZANINE AS SHOWN ALONG THE CONTINUATION OF THE PATHWAY. COORDINATE ALL WORK OF RUN OF FEEDERS WITH ALL TRADES, DUCTS, ETC. REFER TO TAGGED NOTE UE7 FOR CONTINUATION.
UE7	FEEDERS AT THIS POINT INDICATED SHALL TURN DOWN TO THE MEZZANINE AND TERMINATE TO EXISTING MAIN SWITCHBOARD. CONTRACTOR TO REFER TO TAGGED NOTE UE4 FOR TEMPORARY FEEDING FROM THE EXISTING MAIN SWITCHBOARD (SIEMENS). WHEN NEW SWITCHBOARD IS INSTALLED, CONTRACTOR SHALL HAVE RUN OF FEEDERS TAP NEW SWITCHBOARD. COORDINATE ALL WORK OF NEW TRANSFORMER WITH FEEDERS. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
UE8	ONCE NEW SWITCHBOARD IS FULLY INSTALLED AND RUN OF FEEDERS TAP TO NEW SWITCHBOARD. ELECTRICAL CONTRACTOR TO HURSH FEEDER FROM NEW SWITCHBOARD TO EXISTING FEEDER UNDERGROUND CONDUIT STARTING AT THIS POINT INDICATED AND RUN NEW UNDERGROUND CONDUIT TO EXISTING MAIN TRANSFORMER TO FEED EXISTING MAIN SWITCHBOARD (SIEMENS). ELECTRICAL CONTRACTOR TO TAP NEW UTILITY FEEDER FROM EXISTING FEEDER UNDERGROUND CONDUIT IN PHASE 3. COORDINATE ALL WORK OF NEW TRANSFORMER WITH FEEDERS. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.
UE9	TURN COMMUNICATIONS CONDUIT UP AT BUILDING EXTERIOR, PROVIDE LB CONDUIT BODY AND EXTEND FEEDERS ABOVE CEILING TO IDF.
UE11	TURN COMMUNICATIONS CONDUIT UP AT BUILDING EXTERIOR, PROVIDE LB CONDUIT BODY AND EXTEND FEEDERS ABOVE CEILING TO IDF.
UE12	TURN COMMUNICATIONS CONDUIT UP IN MECH 123 THEN ROUTE ABOVE CEILING TO MEZZANINE IDF 201.
UE13	UNDERGROUND PRIMARY FEEDER SHALL TERMINATE TO NEW LOCATION OF NEW TRANSFORMER PROVIDED BY KU AT POINT INDICATED.
UE14	PROVIDE PAD-MOUNT GENSET DOCKING STATION WITH GENERATOR. REFER TO ONE-LINE DIAGRAM AND TO ELECTRICAL PHASING AND DETAILS FOR MORE INFORMATION.
UE15	LOCATION AND ROUTING OF THE EXISTING OVERHEAD FIBER OPTIC UTILITY FEED. UTILITY FIBER OPTIC CABLEING SHALL BE EXTENDED TO REMAIN. REFER TO SYSTEMS PLASMA FOR THE TELECOMMUNICATIONS ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
UE16	BUILDING SERVICE ENTRANCE LOCATION OF THE UTILITY FIBER OPTIC SERVICE. WORK WITH THE EXISTING FIBER OPTIC UTILITY SHALL BE COORDINATED WITH THE TELECOMM. UTILITY PRIOR TO CONSTRUCTION. PROTECT DURING CONSTRUCTION.
UE17	REFER TO UNDERGROUND CONDUIT SCHEDULE FOR NEW TRANSFORMER LOCATION TO NEW BUILDING SWITCHBOARD. REFER TO ELECTRICAL SIBER DIAGRAM FOR ADDITIONAL INFORMATION.
UE18	REFER TO THE ONE-LINE DIAGRAM FOR SIZE OF WIRING AND CONDUIT.
UE19	PROVIDE TAMPER SWITCH FOR FIRE PROTECTION VAULT. EXTEND FIRE ALARM WIRING TO CONTROL FIRE-ALARM CONTROL PANEL.
UE20	PROVIDE 125A LOADCENTER FOR GENERATOR LOADS. REFER TO ELECTRICAL PHASING AND DETAILS FOR MORE INFORMATION.

A. DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS. REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE ARCHITECT'S SPECIFICATIONS, THE CITY OF CHICAGO'S STANDARD SPECIFICATION PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN AND THE ELECTRICAL UTILITY PLAN. WHERE THERE ARE CONFLICTS AMONG THESE PLANS, THE ELECTRICAL UTILITY PLAN SHALL TAKE PRECEDENCE. THE ELECTRICAL UTILITY PLAN AND/OR RELATED SPECIFICATIONS SHALL REQUIRE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

C. ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, AGENCIES, AGENCIES, REVIEWERS, AND/OR OTHERS SHALL BE PROVIDED AS A PART OF THIS CONTRACT.

D. FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS SHALL BE OBSERVED AND COMPLIED WITH. WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO REPAIR SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.

F. LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES INCLUDING: RECORD DRAWINGS, FIELD SURVEYS, AND/OR VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF CONSTRUCTION AS TO THE LOCATION OF EXISTING UTILITIES AND TAKE PRECAUTIONS FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL CITY, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.

G. PROVIDE LONG RADIIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS, WHERE SERVING UTILITY OWNED TRENCHES. THE UTILITY SHALL TAKE PRECEDENCE.

H. UTILITY OWNED TRENCHES TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE UTILITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL MARK THE SITE WITH SUFFICIENTLY LARGE AND CLEARLY IDENTIFYING MARKS EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE EXISTING UTILITIES AND SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J. CONTRACTOR SHALL PERFORM A SHOW UP TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACTORY STANDARDS.

K. CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUIT OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

L. CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. CONTRACTOR SHALL SEED AND PATCH ALL AREAS OF EROSION. CONTRACTOR SHALL REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

M. COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING. ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR DRIVEWAYS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 DEGREES WHERE POSSIBLE.

N. PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING DEPARTMENT. CONTRACTOR SHALL BE ADVISED OF ANY SUCH INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY OTHER PARTY. NOTIFICATION OF ANY PLANNED INTERRUPTION OF SERVICE SHALL BE REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.

O. THE LOCATIONS OF UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.

P. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY THE CITY OF CHICAGO OF ANY EXCAVATION WORK. IN THE EVENT OF AN ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.

Q. CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND UNDER THE OTHER UTILITIES, THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.

R. CONTRACTOR SHALL PAY ALL TAP FEES, DEPOSIT COST, UTILITY CONNECTION COSTS, MATERIALS, EXTENSION, REPLACEMENT AND REMOVAL CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

S. THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NOTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

T. READ ALL TAP LAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.

U. CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNGRADES FROM REMOVED EQUIPMENT ON SITE. INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.

V. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL REMOVE THE ENTIRE DEVICE AND ALL OF ITS "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW WRITTEN DIRECT TO THE OWNER AND ALL PARTIES INVOLVED.

W. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT.

X. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

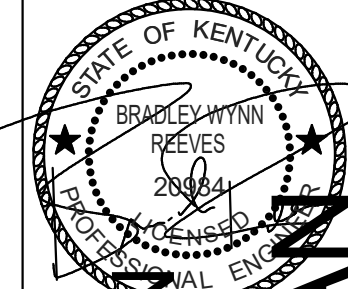
Y. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND COORDINATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR OPERATION.

—○○○—	NEW PIPING - (XXX) DENOTES SYSTEM
--D(XXX)--	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
—OP—	OVERHEAD PRIMARY
—OS—	OVERHEAD SECONDARY
—OSL—	OVERHEAD STREET LIGHT
—OTS—	OVERHEAD TRAFFIC SIGNAL
—OT—	OVERHEAD TELECOMMUNICATIONS
—OF—	OVERHEAD FIBER OPTIC
—OTV—	OVERHEAD CATV
—UP—	UNDERGROUND PRIMARY
—US—	UNDERGROUND SECONDARY
—UE—	UNDERGROUND ELECTRICAL
—USL—	UNDERGROUND STREET LIGHT
—UTS—	UNDERGROUND TRAFFIC SIGNAL
—UT—	UNDERGROUND TELECOMMUNICATIONS
—UF—	UNDERGROUND FIBER OPTIC
—UTV—	UNDERGROUND CATV

POWER:		
KU	Tyler Locke	(270) 803-9311
FIBER:		
HENDERSON MUNICIPAL POWER & LIGHT	Chad Kietzman	(270) 826-2722
FIRE CHIEF:		
HENDERSON FIRE DEPARTMENT	Josh Dixon	(270) 831-1271

	SHEET NUMBER

EU1.2



CMTA
A LAMBERT CREDIT
115 Memorial Drive
Paducah, KY 42001

HENDERSON COUNTY SCHOOLS
EAST HEIGHTS ELEMENTARY SCHOOL RENOVATION
HENDERSON, KENTUCKY
ELECTRICAL SITE UTILITY NEW WORK

FACPAC PO Change Order Supplemental Information Form (Ref# 62558)

Form Status: Saved

Tier 1 Project: East Heights Elementary Renovations
BG Number: 24-164 District: Henderson County (HB678) (251)
Status: Active Phase: Project Initiation (View Checklist)

Contract: IES KENTUCKY LLC, 0014, ELECTRICAL
Type: CM Bid Package Proposed

Purchase Order Number: 14-02
Vendor Name: CUMMINS INC.

Change Order Number 14-2-1
Time Extension Required No
Date Of Change Order 6/11/2025
Change Order Amount To Date Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	\$1,065,424.21
Net Approved COs	\$0.00
Remaining After Approved COs	\$1,065,424.21
Net All COs	\$130,835.79
Remaining After All COs	\$934,588.42

This Requested Change Order Amount \$1,825.00
+/-
Change In A/E Fee This Change Order \$98.55
+/-
Change In CM Fee This Change Order \$34.68
+/-
Remaining Construction Contingency \$934,455.19
Balance
Contract Change Requested By Architect/Engineer
Contract Change Reason Code Expansion of Scope
Change Order Description And Justification
Various feeder changes.

Cost Benefit To Owner
Added electrical value.

Contract unit prices have been utilized No
to support the cost associated with this
change order.

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which
separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	\$0.00	0.00%
Materials	\$1,825.00	100.00%
Profit and Overhead	\$0.00	0.00%
Bond Insurance	\$0.00	0.00%
Cost Breakdown Total:	\$1,825.00	
Cost for this Change Order supported No by an alternate bid or competitive price quote Explain Why PR was issued after bid.		

**Change Order Supplemental Information Form Signature
Page (Online Form Ref# 62558)**

Architect

Date

Construction Manager

Date

Finance Officer

Date

Local Board of Education Designee

Date



1550 E 11th St. Owensboro, KY 42303

CHANGE ORDER

Attn: Codell Construction

Re: East Heights PR1

The following changes have been made.

1. Credit change feed for LP3
2. Credit change feed for LP1
3. Credit change feed for LP2
4. Increase feed for the generator dock station
5. Increase feed for LSATS from dock station
6. Increase feed for SBATS from generator
7. Increase feed for LSATS from NMDP
8. Increase feed for SBATS from NMDP
9. Increase feed for ELS1 from LSATS
10. Increase feed for SBATS to ESB1
11. Credit changes for ELS1B from ELS1
12. Credit changes for ESB1B from ESB1
13. Credit changes for ESB2 from ESB1
14. Change ELS1 feed

Labor: \$0
Material: \$6,758
OHP: \$676
Total Add: \$7,434

Eckart Supply DPO gear material add - \$9,815.79
Cummins DPO generator add - \$1,825

Thank You

Kurtis Frederick
IES
kurtis@ies-ky.com

Cell 270-993-9203
Office 270-273-9955