

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

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

TO CONTRACTOR *(Name and Address)*
ECKART, LLC

PROJECT NUMBERS: 000847
CONTRACT DATE: 1/6/2025
CONTRACT FOR: PO #14-01

THE CONTRACT IS CHANGED AS FOLLOWS:

The original Contract Sum was	360,005.14
Net change by previously authorized Change Orders	0.00
The Contract Sum prior to this Change Order was	360,005.14
The Contract Sum will be Increased by this Change Order in the amount of	9,815.79
The new Contract Sum including this Change Order will be	370,330.93

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:

ECKART, LLC

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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CODELL CONSTRUCTION COMPANY

RBS DESIGN GROUP ARCHITECTURE

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

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

ADDRESS

ADDRESS

BY (Signature)

BY (Signature)

(Typed Name)

DATE:

(Typed Name)

DATE:

ECKART, LLC

HENDERSON COUNTY BOARD OF EDUCATION

CONTRACTOR (Firm Name)

OWNER (Firm Name)

1805 SECOND STREET HENDERSON, KY 42420

ADDRESS

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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/3P/4W		SPD: No						LOCATION:							
AMPERS: 100 A		SUPPLY FROM: NSWB													
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCBP	P	CKT	A	B	C	CKT	P	OCBP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	LTING - EXTERIOR	1#12; 1#12; 1#12	20	1	1	0.1	0.6		2	1	20	1#12; 1#12; 1#12	LTING - RM 125 & HCOI-123		
	LTING - CORRIDOR	1#12; 1#12; 1#12	20	1	3		0.6	0.7		4	1	20	1#12; 1#12; 1#12	LTING - RM 120 & RM 118	
	SPARE	--	20	1	5				0.0	5	6	20	1#12; 1#12; 1#12	LTING - RM 131, RM 129 ACCESS.	
	LTING - 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	LTING - RM 121 A & B & RM 119	
	LTING - RR BUS 125, JAN 124A, & R.	1#12; 1#12; 1#12	20	1	9		0.9	0.7		10	1	20	1#12; 1#12; 1#12	LTING - CORRIDOR	
	LTING - 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	LTING - MEZZANINE
	LTING - SITE PARKING	1#12; 1#12; 1#12	20	1	13	0.1	0.2			14	1	20	1#12; 1#12; 1#12	LTING - SITE PARKING	
	LTING - 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	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
						2.5 kVA	3.1 kVA	1.7 kVA							
						27 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						
LTING	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 20kA/1P.

PANEL: 1RP1				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	OKT	A	B	C	OKT	P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	REC- 2ND GRADE RM 132	1.412, 1.412, 1.412	2	1	1	0.5	0.5		4	1	1.412, 1.412, 1.412	REC- TEACHER 2ND GRADE RM 132	
	REC- 2ND GRADE RM 133	1.412, 1.412, 1.412	2	1	3				4	1	1.412, 1.412, 1.412	REC- 2ND GRADE RM 132	
	REC- TEACHER 2ND GRADE RM 132	1.412, 1.412, 1.412	2	1	5		0.5	0.5	6	1	1.412, 1.412, 1.412	REC- 2ND GRADE 132	
	REC- COMPUTER RM 131	1.412, 1.412, 1.412	2	1	7	0.4	0.5		8	1	1.412, 1.412, 1.412	REC- TEACHER COMPUTER RM 131	
	REC- COMPUTER RM 131	1.412, 1.412, 1.412	2	1				0.5	10	1	1.412, 1.412, 1.412	REC- TEACHER 2ND GRADE RM 130	
	REC- 2ND GRADE RM 130, CLOSE	1.412, 1.412, 1.412	2	1	11			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	2	1	13	0.5	0.5		14	1	1.412, 1.412, 1.412	REC- 2ND GRADE RM 128	
	REC- 2ND GRADE RM 128, CLOSE	1.412, 1.412, 1.412	2	1	15		0.5	0.4	16	1	1.412, 1.412, 1.412	REC- ACCESS 127A, RB 17B	
	REC- FIRE SUPPRESSION RM 129	1.412, 1.412, 1.412	2	1	17				18	1	1.412, 1.412, 1.412	REC- TEACHER FMD RM 125	
	REC- FMD RM 125	1.412, 1.412, 1.412	2	1	19	0.4	0.5		20	1	1.412, 1.412, 1.412	REC- FMD RM 125	
	REC- KINDERGARTEN RM 122	1.412, 1.412, 1.412	2	1	21		0.5	0.5	22	1	1.412, 1.412, 1.412	REC- TEACHER KINDERGARTEN R.	
	REC- KINDERGARTEN RM 122	1.412, 1.412, 1.412	2	1	23				24	1	1.412, 1.412, 1.412	REC- BR 124 & BR 129	
	REC- CORRIDOR C100	1.412, 1.412, 1.412	2	1	25	0.5	0.5		26	1	1.412, 1.412, 1.412	REC- TEACHER KINDERGARTEN R.	
	REC- KINDERGARTEN RM 120	1.412, 1.412, 1.412	2	1	27		0.5	0.5	28	1	1.412, 1.412, 1.412	REC- KINDERGARTEN RM 120	
	REC- KINDERGARTEN RM 118	1.412, 1.412, 1.412	2	1	29			0.5	30	1	1.412, 1.412, 1.412	REC- TEACHER KINDERGARTEN R.	
	REC- KINDERGARTEN RM 118	1.412, 1.412, 1.412	2	1	31	0.5	0.5		32	1	1.412, 1.412, 1.412	REC- TEACHERS 1ST GRADE RM.	
	REC- 1ST GRADE RM 117	1.412, 1.412, 1.412	2	1	33		0.4	0.5	34	1	1.412, 1.412, 1.412	REC- 1ST GRADE RM 119	
	MOTORIZED ROLLER SHADES	1.412, 1.412, 1.412	2	1	35				36	1	1.412, 1.412, 1.412	MOTORIZED ROLLER SHADES	
	SPARE	--	20	37	0.0	0.0			38	1		SPARE	
	SPARE	--	20	39			0.0	0.0	40	1		SPARE	
	SPARE	--	20	41				0.0	42	1		SPARE	
	SPARE	--	20	43	0.0	0.0			44	1		SPARE	
	SPARE	--	20	45			0.0	0.0	46	1		SPARE	
	SPARE	--	20	47				0.0	48	1		SPARE	
	SPARE	--	20	49	0.0	0.0			50	1		SPARE	
	SPARE	--	20	51			0.0	0.0	52	1		SPARE	
	SPARE	--	20	53					54	1		SPARE	

PANEL: PP3			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 10,000										
VOLTAGE: 208Y/120V, 3P, 4W			SPD: NO			LOCATION: Space 42										
AMPERES: 225 A			MOUNTING: SURFACE			SUPPLY FROM: DP4										
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCIP	P	CKT	A	B	C	CKT	P	OCIP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES		
	REC- TEACHER 3RD GRD RME 146	1,142, 1,412, 1,412	2	1	1	0.4	0.5		1	2	1	1,412, 1,412, 1,412	REC- SMARTBOARD 3RD GRADE			
	REC- SMARTBOARD 3RD GRADE	1,412, 1,412, 1,412	2	1	3		0.5	0.4	1	4	20	1,412, 1,412, 1,412	REC- TEACHER 3RD GRADE RME 148			
	REC- SMARTBOARD 3RD GRADE	1,412, 1,412, 1,412	2	1	5				0.5	0.5	6	1	1,412, 1,412, 1,412	REC- 3RD GRADE RME 148		
	REC- TEACHER 3RD GRADE RME 147	1,412, 1,412, 1,412	2	1	7	0.4	0.5				1	20	1,412, 1,412, 1,412	REC- SMARTBOARD 3RD GRADE RME		
	REC- 2RD GRADE RME 147	1,412, 1,412, 1,412	2	1	9			0.5	0.5		10	1	1,412, 1,412, 1,412	REC- TEACHER 4TH GRADE RME 150		
	REC- 4TH GRADE RME 150	1,412, 1,412, 1,412	2	1	11				0.5	0.5	12	1	1,412, 1,412, 1,412	REC- SMARTBOARD 4TH GRADE RME		
	REC- SMARTBOARD 4TH GRADE RME	1,412, 1,412, 1,412	2	1	13	0.5	0.5				14	20	1,412, 1,412, 1,412	REC- TEACHER 4TH GRADE RME 148		
	REC- 4TH GRADE RME 150	1,412, 1,412, 1,412	2	1	15		0.4	0.5			16	1	1,412, 1,412, 1,412	REC- CORRIDOR		
	REC- RR 1518 & RR 151A	1,412, 1,412, 1,412	2	1	17				0.4	0.5	18	1	1,412, 1,412, 1,412	REC- TEACHER 4TH GRADE RME 152		
	REC- SMARTBOARD 4TH GRADE RME	1,412, 1,412, 1,412	2	1	19	0.5	0.5				20	1	1,412, 1,412, 1,412	REC- 4TH GRADE RME 152		
	REC- TEACHER 5TH GRADE RME 154	1,412, 1,412, 1,412	2	1	21			0.5	0.5		22	1	1,412, 1,412, 1,412	REC- 5TH GRADE RME 154		
	REC- SMARTBOARD 5TH GRADE RME	1,412, 1,412, 1,412	2	1	23					0.5	0.5	24	1	1,412, 1,412, 1,412	REC- SMARTBOARD 5TH GRADE RME	
	REC- TEACHER 5TH GRADE RME 153	1,412, 1,412, 1,412	2	1	25	0.5	0.5				26	1	1,412, 1,412, 1,412	REC- 5TH GRADE RME 153		
	REC- TEACHER 5TH GRADE RME 156	1,412, 1,412, 1,412	2	1	27			0.5	0.7		28	1	1,412, 1,412, 1,412	REC- SMARTBOARD 5TH GRADE RME		
	REC- 5TH GRADE RME 156	1,412, 1,412, 1,412	2	1	29					0.5	0.5	30	1	1,412, 1,412, 1,412	REC- TEACHER 5TH GRADE RME 155	
	REC- 5TH GRADE RME 155	1,412, 1,412, 1,412	2	1	31	0.5	0.5				32	1	1,412, 1,412, 1,412	REC- SMARTBOARD 5TH GRADE RME		
	REC- OUTDOOR EVR-2	1,412, 1,412, 1,412	2	1	33		0.4	1.8		34	1	30	1,410, 1,410, 1,410	HEAT TRACE		
	HEAT TRACE	1,410, 1,410, 1,410	3	1	35				1.8	0.5	36	1	1,412, 1,412, 1,412	MOTORIZED ROLLER SHADES		
	EQUIP	1,412, 1,412, 1,412	2	1	37	0.3	0.5				38	1	1,412, 1,412, 1,412	EQUIP		
	SPARE	--	1	1	39		0.3	0.0			40	1	--	SPARE		
	SPARE	--	1	1	41					0.0	0.0	42	1	--	SPARE	
	SPARE	--	1	1	43	0.0	0.0				44	1	--	SPARE		
	SPARE	--	1	1	45			0.0	0.0		46	1	--	SPARE		
	SPARE	--	1	1	47					0.0	0.0	48	1	--	SPARE	
	SPARE	--	1	1	49	0.0	0.7				50	1	--	SPARE		
	SPARE	--	1	1	51											

PANEL: LP2			MAINS 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	OCP P	CKT A	B	C	CKT P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES											
	LTING - EXTERIOR CANOPY	1-#12 1-#12 1-#12	20	1	0.1	0.2	2	1	20	1-#12 1-#12 1-#12 LTING - MEZZANINE												
	LTING - CANOPY	1-#12 1-#12 1-#12	20	1	3		4	1	20	1-#12 1-#12 1-#12 LTING - RM 153												
	LTING - CORRIDOR C101	1-#12 1-#12 1-#12	20	1	5		0.2	0.3	6	1	20	1-#12 1-#12 1-#12 LTING - CANOPY										
	LTING - MEZZANINE	1-#12 1-#12 1-#12	20	1	7	0.4	0.8		8	1	20	1-#12 1-#12 1-#12 LTING - RM 110, 108, 106, 104 & 101										
	LTING - RM 117 & 115	1-#12 1-#12 1-#12	20	1	9		0.7	0.4	10	1	20	1-#12 1-#12 1-#12 LTING - CORRIDOR										
	LTING - RM 116, 114, 112 & 112A	1-#12 1-#12 1-#12	20	1	11			0.6	0.5	12	1	20	1-#12 1-#12 1-#12 LTING - RM 109, 107, 103M 102, 102.									
	LTING - RM 113 & 111 A-B	1-#12 1-#12 1-#12	20	1	13	0.8	0.4		14	1	20	1-#12 1-#12 1-#12 LTING - ENTRY 100										
	LTING - CORRIDOR C100	1-#12 1-#12 1-#12	20	1	15		0.4	0.4	16	1	20	1-#12 1-#12 1-#12 LTING - DAYCARE 2 RM 138										
	LTING - DAYCARE RM 151 & 136	1-#12 1-#12 1-#12	20	1	17			0.6	0.2	18	1	20	1-#12 1-#12 1-#12 LTING - CORRIDOR C102 & C103									
	LTING - EXT SIGNAGE	1-#12 1-#12 1-#12	20	1	19	0.1	0.1		20	1	20	1-#12 1-#12 1-#12 LTING - EXT SIGNAGE										
	LTING - EXT SIGNAGE	1-#12 1-#12 1-#12	20	1	21		0.1	0.1	22	1	20	1-#12 1-#12 1-#12 LTING - EXT SIGNAGE										
	LTING - TAPE LIGHT RECEPTION	1-#12 1-#12 1-#12	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	2.8 kVA														
						25 A	21 A	23 A														
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS																
LTVG		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 20K/1P.

PANEL: 2RP1			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 18,000										
VOLTAGE: 208Y/120V/3P/4W			SPD: No			LOCATION:										
AMPERS: 225 A			MOUNTING: SURFACE			SUPPLY FROM: NSWB										
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC ^P	P	OKT	A	B	C	OKT	P	OC ^P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES		
	REC- EXTENSOR	1-412, 1-412, 1-412	2	1	0.4	0.4			2	1	20	1-412, 1-412, 1-412	REC- EXTENSOR			
	REC- EXT-ENC	1-412, 1-412, 1-412	2	1	3				4	1	20	1-412, 1-412, 1-412	REC- EXT-ENC			
1	REC- EWIC	1-412, 1-412, 1-412	2	1	5		0.5	0.2	2	1	20	1-412, 1-412, 1-412	HAND DRIVER	1		
	RR- AUTO HAND DRIVER	1-412, 1-412, 1-412	2	1	7	1.4	0.7		0.2	1.4	6	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	15			0.4	0.4	0.4	8	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			0.7	0.4	1.2	10	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	0.5	16	1	20	1-412, 1-412, 1-412	REC- LEADERS 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- SSM 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- DATAKARE RM 134	
	REC- RESOURCE 118	1-412, 1-412, 1-412	2	1	23				0.4	0.4	24	1	20	1-412, 1-412, 1-412	REC- DATAKARE 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. FM	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. FM
	MOTORIZED ROLLER SHADES	1-412, 1-412, 1-412	2	1	31	0.0	0.0				32	1	20	1-412, 1-412, 1-412	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	37	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				

PANEL: PP4 VOLTAGE: 208Y/120V, 3P, 4W AMPERES: 225 A				MAINS TYPE: MLO SPD: No				PANEL INTERRUPTING RATING: 10,000 LOCATION: MECHANICAL 141 SUPPLY FROM: DP4							
NOTES	TERMINAL	HOT, NEUT, GND	OCIP	P	CKT	A	B	C	CKT	P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES		
	1	1412, 1412, 1412	2	1	1	0.1	0.3		4	1	1412, 1412, 1412	MOTORIZED ROLLER SHAKES			
	LTNG Space 74	1412, 1412, 1412	2	1	3		0.3	1.1		4	1	1412, 1412, 1412	NEW MEDIA LIBRARY LTNG		
	REC - MEDIA CENTER 139 &	1412, 1412, 1412	2	1	5			0.4	1.0	6	1	1412, 1412, 1412	NEW MEDIA LIBRARY LTNG		
	REC - FLOORBOOM MEDIA CENTER	1412, 1412, 1412	2	1	7	0.4	0.6			8	1	1412, 1412, 1412	NEW OFFICE/MECHANICAL		
	REC - MEDIA CENTER 139	1412, 1412, 1412	2	1	9		0.4	0.5		10	1	1412, 1412, 1412	OFFICE 142 & CORRIDOR		
	SPARE	--	2	1	11				0.0	0.0	12	1	--	SPARE	
	SPARE	--	2	1	13	0.0	0.4			14	1	1412, 1412, 1412	REC - MEDIA CENTER 139		
	REC - MEDIA CENTER 140	1412, 1412, 1412	2	1	15		0.5	0.7		16	1	1412, 1412, 1412	REC - FLOORBOOM MEDIA CENTER		
	REC - OFFICE 139	1412, 1412, 1412	2	1	17				0.4	0.5	18	1	1412, 1412, 1412	REC - STORAGE 143	
	SPARE	--	2	1	19	0.0	0.5			20	1	1412, 1412, 1412	OFFICE 142		
	SPARE	--	2	1	21			0.0	0.0		22	1	--	SPARE	
	SPARE	--	2	1	23				0.0	0.5	24	1	1412, 1412, 1412	REC - MEDIA CENTER 139 &	
	REC - MECHANICAL 141 & EXTERIOR	1412, 1412, 1412	2	1	25	0.5	0.0		0.0	0.0	26	1	--	SPARE	
	SPARE	--	2	1	27					28	1	1412, 1412, 1412	REC - MEDIA CENTER 139		
	SPARE	--	2	1	29				0.0	0.7	30	1	1412, 1412, 1412	REC - MEDIA CENTER 139	
	REC - CORRIDOR & OFFICE	1412, 1412, 1412	2	1	31	0.7	0.0			32	1	--	SPARE		
	SPARE	--	2	1	33					34	1	--	SPARE		
	SPARE	--	2	1	35					0.0	36	1	--	SPARE	
	SPARE	--	2	1	37	0.0	0.0			38	1	--	SPARE		
	SPARE	--	2	1	39			0.0	0.0	40	1	--	SPARE		
	SPARE	--	2	1	41				0.0	0.0	42	1	--	SPARE	
	SPARE	--	2	1	43	0.0	0.0			44	1	--	SPARE		
	SPARE	--	2	1	45			0.0	0.0	46	1	--	SPARE		
	SPARE	--	2	1	47				0.0	0.0	48	1	--	SPARE	
	SPARE	--	2	1	49	0.0	0.0			50	1	--	SPARE		
	SPARE	--	2	1	51			0.0	0.0	52	1	--	SPARE		
	SPARE	--	2	1	53					54	1	--	SPARE		
						3.5 kVA	3.5 kVA			3.6 kVA					
						29 A	28 A			30 A					
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS											
EQUIP	300 VA	80.00%	240 VA	TOTAL CONNECTED LOAD: 10573 VA											
LTNG	3073 VA		3073 VA	TOTAL ESTIMATED DEMAND: 10513 VA											
REC	7200 VA	100.00%	7200 VA	TOTAL CONNECTED CURRENT: 29 A											

PANEL: LP3			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 100A										
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			LOCATION: Space 42										
AMPERS: 100 A			MOUNTING: SURFACE			SUPPLY FROM: PP3										
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCBP	P	CKT	A	B	C	CKT	P	OCBP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES		
	LTNG Room 44, 45, 43, 42, 45	1#12, 1#12, 1#12	20	1	1	0.3	0.6		2	1	20	1#12, 1#12, 1#12	LTNG CORRIDOR			
	LTNG Room 23, 17	1#12, 1#12, 1#12	20	1	3		0.6	0.6		4	1	20	1#12, 1#12, 1#12	LTNG Room 24, 14		
	LTNG Room 33, 35	1#12, 1#12, 1#12	20	1	5				0.6	0.6	6	1	20	1#12, 1#12, 1#12	LTNG Room 36, 30	
	LTNG Room 21, 26	1#12, 1#12, 1#12	20	1	7	0.6	0.1				8	1	20	1#12, 1#12, 1#12	LTNG - Entry Exterior	
	SPARE	--	20	1	9		0.0	0.0			10	1	20	--	SPARE	
	SPARE	--	20	1	11				0.0	0.0	12	1	20	--	SPARE	
	SPARE	--	20	1	13	0.0	0.0				14	1	20	--	SPARE	
	SPARE	--	20	1	15			0.0	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
						1.7 kVA		1.3 kVA		1.3 kVA						
						11A		11A		11A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS									
LTNG		4214 VA	100.00%		4214 VA		TOTAL CONNECTED LOAD: 4214 VA									
							TOTAL ESTIMATED DEMAND: 4214 VA									
							TOTAL CONNECTED CURRENT: 12 A									
							TOTAL ESTIMATED DEMAND CURRENT: 12 A									
							25 % ADDITIONAL CAPACITY: 3 A									
							TOTAL PANEL CURRENT: 15 A									

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

PANEL: RP2			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 22.000								
VOLTAGE: 208Y/120V/3P/4W			SPD: No			LOCATION:								
AMPERS: 225 A			MOUNTING: SURFACE			SUPPLY FROM: NSWB								
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCBP	P	CKT	A	B	C	CKT	P	OCBP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	REC- EXT-DRIVER	1-1/2, 1-1/2, 1-1/2	2	1	0.2	0.2			2	1		1-1/2, 1-1/2, 1-1/2	REC- RMR 102 & 107A	
	REC- TEACHERS 1ST GRADE RM	1-1/2, 1-1/2, 1-1/2	2	1	3		0.5	0.5	4	1		1-1/2, 1-1/2, 1-1/2	REC- 2ND GRADE RM 113	
	REC- PSYCH RM 110	1-1/2, 1-1/2, 1-1/2	2	1	5				9	0.9	6	1	1-1/2, 1-1/2, 1-1/2	REC- WORKROOM RM 107
	REC- BOOKKEEPER RM 104	1-1/2, 1-1/2, 1-1/2	2	1	7		0.9	0.9	8	1		1-1/2, 1-1/2, 1-1/2	REC- GUIDANCE RM 109	
	REC- PRINCIPAL, RM 108	1-1/2, 1-1/2, 1-1/2	2	9				0.9	10	1		1-1/2, 1-1/2, 1-1/2	REC- 1ST GRADE RM 115	
	REC- TEACHER 2ND GRADE RM 113	1-1/2, 1-1/2, 1-1/2	2	11					4	0.4	12	1	1-1/2, 1-1/2, 1-1/2	REC- EXTENSION
	REC- MUSIC RM 135	1-1/2, 1-1/2, 1-1/2	2	13	0.4	0.4			14	1		1-1/2, 1-1/2, 1-1/2	REC- DAYCARE R 138	
	REC- DAYCARE OFFICE RM 136	1-1/2, 1-1/2, 1-1/2	2	15			0.4	0.7	16	1		1-1/2, 1-1/2, 1-1/2	REC- TEACHER RESOURCE RM	
	REC- RESOURCE RM 111A	1-1/2, 1-1/2, 1-1/2	2	17					18	1		1-1/2, 1-1/2, 1-1/2	REC- RESOURCE RM 111A	
	REC- RESOURCE RM 111B	1-1/2, 1-1/2, 1-1/2	2	19	0.4	0.5			20	1		1-1/2, 1-1/2, 1-1/2	REC- DAYCARE OFFICE RM 136	
	REC- ENTRY 100 & CORRIDOR C102	1-1/2, 1-1/2, 1-1/2	2	21			0.5	0.5	22	1		1-1/2, 1-1/2, 1-1/2	REC- DAYCARE RM 134	
	REC- DAYCARE RM 134	1-1/2, 1-1/2, 1-1/2	2	23					24	1		1-1/2, 1-1/2, 1-1/2	REC- CORRIDOR C100	
	REC- CORRIDOR C100 & C101	1-1/2, 1-1/2, 1-1/2	2	25	0.5	0.5			26	1		1-1/2, 1-1/2, 1-1/2	REC- 1ST GRADE RM 115	
	REC- 2ND GRADE RM 113	1-1/2, 1-1/2, 1-1/2	2	27			0.5	0.7	28	1		1-1/2, 1-1/2, 1-1/2	REC- RECEPTION FR RM 101	
	REC- RECEPTION RM 101	1-1/2, 1-1/2, 1-1/2	2	29					30	1		1-1/2, 1-1/2, 1-1/2	REC- MENTAL HEALTH RM 106	
	REC- MUSIC RM 135	1-1/2, 1-1/2, 1-1/2	2	31	0.4	0.7			32	1		1-1/2, 1-1/2, 1-1/2	REC- FIRST AID RM 102	
	REC- CONFERENCE RM 112	1-1/2, 1-1/2, 1-1/2	2	33			0.5	0.4	34	1		1-1/2, 1-1/2, 1-1/2	REC- CONFERENCE TV	
	REC- CONFERENCE RM 112	1-1/2, 1-1/2, 1-1/2	2	35					36	1		1-1/2, 1-1/2, 1-1/2	REC- CORRIDOR C103	
	EQUIP	1-1/2, 1-1/2, 1-1/2	2	37	0.0	0.0			38	1			SPARE	
	SPARE	--	2	39			0.0	0.0	40	1			SPARE	
	SPARE	--	2	41					42	1			SPARE	
	SPARE	--	2	43	0.0	0.0			44	1			SPARE	
	SPARE	--	2	45			0.0	0.0	46	1			SPARE	
	SPARE	--	2	47					48	1			SPARE	
	SPARE	--	2	49	0.0	0.0			50	1			SPARE	
	SPARE	--	2	51			0.0	0.0	52	1			SPARE	
	SPARE	--	2	53</										

[illegible]

PANEL: MP1 VOLTAGE: 208Y/120V, 3P, 4W AMPERES: 225 A				MAIN TYPE: MLO SPD: No MOUNTING: SURFACE				PANEL INTERUPTING RATING: 18,000 LOCATION: No SUPPLY FROM: NSWB							
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP	P	CKT	A	B	C	CKT	P	OCP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	1	1.0	0.5		2	1	20	1,412, 1,412, 1,412	REC - MECH 123		
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	5		1.0		4						
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	9	1.0	1.0		6	2	20	2,412, 1,412, 1,412	VHP-18 - Mezzanine		
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	11			1.0	10	1	20	1,412, 1,412, 1,412	REC - JAN 124A		
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	13	1.0	1.0		12						
	VHP-24 - Mezzanine	3,412, 1,412, 1,412	15	3	15		1.0	1.0	14	3	15	3,412, 1,412, 1,412	VHP-24 - Mezzanine		
	RP-01 - FIRE SUPPRESSION 129	1,412, 1,412, 1,412	20	1	17			0.3	0.6	18	20	1,412, 1,412, 1,412	WH01 - FIRE SUPPRESSION 129		
	VHP-24 - Mezzanine	3,412, 1,412, 1,412	15	3	21	1.0	0.1		20	1	20	1,412, 1,412, 1,412	TP-1 - FIRE SUPPRESSION 129		
	TP-1 - MECH 123	1,412, 1,412, 1,412	20	1	25			1.0	21			1,412, 1,412, 1,412	TP-1 - JAN 124A		
	VHP-18 - Mezzanine	2,412, 1,412, 1,412	20	2	27			1.0	22	1	20	1,412, 1,412, 1,412	VHP-24 - Mezzanine		
	RP-02 - FIRE SUPPRESSION 129	1,412, 1,412, 1,412	20	1	31	0.3	0.4		23						
	WH-02 - FIRE SUPPRESSION 129	1,412, 1,412, 1,412	20	1	33		0.6		24			2,412, 1,412, 1,412	VHP-06 Mezzanine		
	VHP-12 - Mezzanine	2,412, 1,412, 1,412	20	2	35				32						
	SPARE	--	20	1	37	0.7			0.7	0.4	36	1	20	1,412, 1,412, 1,412	REC - MEZZANINE
	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						54	1	20	--	SPARE
						9.2 KVA		8.1 KVA							
						78 A		68 A							
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS								
EQUIP		25500 VA	80.0%		20400 VA		TOTAL CONNECTED LOAD: 26760 VA								
REC		1260 VA	100.0%		1260 VA		TOTAL ESTIMATED DEMAND: 21660 VA								
							TOTAL CONNECTED CURRENT: 74 A								
							TOTAL ESTIMATED DEMAND CURRENT: 60 A								

PANEL: DP4				MAINS TYPE: MLO				PANEL INTERRUPTING RATING: 10,000								
VOLTAGE: 208Y/120V, 3P, 4W				SPD: Yes				LOCATION: MECHANICAL 141								
AMPERES: 600 A				MOUNTING: SURFACE				SUPPLY FROM: NSWB								
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCF	P	CKT	A	B	C	CKT	P	OCF	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES		
	PP4	3#1/0, 1#1/0, 1#6	150	3	35	8.6	3.5	8.9	6	4	3	150	3#1/0, 1#1/0, 1#6	PP3		
	MP4	3#4/0, 1#4/0, 1#4	225	3	9	14.8	7.1		8		3	125	3#1, 1#1, 1#6	P-IB PUMP		
	P-1A PUMP	3#1, 1#1, 1#6	125	3	17		15.6	7.1	10	12	3	125	3#1, 1#1, 1#6	ERV-2		
	HH-P09	2#1/2, 1#1/2, 1#1/2	20	2	11	13	7.2	9.8	14.7	7.1	12	20				
	SPARE	--	20	2	13	15		7.2	9.8		18	20				
	SPARE	--	20	2	19	0.5	0.0				20	20				
	SPARE	--	20	2	21		0.5	0.0			22	20				
	SPARE	--	20	2	23	0.0	0.0				24	20				
	SPARE	--	20	2	25	0.0	0.0				26	20				
	SPARE	--	20	2	27	0.0	0.0				28	20				
	SPARE	--	20	2	29	0.0	0.0				30	20				
	SPARE	--	20	3	31	0.0	0.0				32	30				
					33		0.0	0.0			34	30				
					35						36	30				
						51.5 kVA 429 A	52.6 kVA 439 A	51.2 kVA 426 A								
												PANEL TOTALS				
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND												
EQUIP		12500 VA	80.00%	9800 VA										TOTAL CONNECTED LOAD: 155267 VA		
LTING		7287 VA	100.00%	7287 VA										TOTAL ESTIMATED DEMAND: 123327 VA		
REC		24480 VA	70.42%	17240 VA										TOTAL ESTIMATED DEMAND CURRENT: 342 A		
												25 % ADDITIONAL CAPACITY: 86 A				
												TOTAL PANEL CURRENT: 426 A				

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

PANEL: ESB2			MOUNTING: SURFACE			PANEL INTERRUPTING RATING: 22,000								
VOLTAGE: 208Y/120V, 3P, 4W			SPD: Yes			LOCATION: Space 101								
AMPERES: 100 A						SUPPLY FROM: ESB1								
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC ^P	P	CKT	A	B	C	CKT	P	OC ^P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	REC - INDOOR/OUTDOOR CU-24...	1#12, 1#12, 1#12	20	1	3	0.2	0.4		2	1	20	1#12, 1#12, 1#12	REC - IDF AREA B	
	COOLER COMPRESSOR	2#10, 1#10, 1#10	20	2	5		1.3	2.0	4	2	30	2#10, 1#10, 1#10	CU-24 - FOOD STRG INDOOR/OUTDOOR UNIT	
	REC - IDF AREA B	1#12, 1#12, 1#12	20	1	7	0.4	0.5		8	1	20	1#12, 1#12, 1#12	IDF AREA B RACK RECEPTACLES	
	SPARE	--	20	1	9		0.0	0.0	10	1	20	--	SPARE	
	SPARE	--	20	1	11				0.0	2.0	12	--	SPARE	
	30A/2P REC RACK	2#12, 1#12, 1#12	20	2	13	1.9	2.0		14	2	60	2#6, 1#6, 1#10	FREEZER COMPRESSOR	
	SPARE	--	20	1	15		1.9	0.0	16	1	20	--	SPARE	
	SPARE	--	20	1	17				0.0	0.0	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	2.0	1	20	--	SPARE
	SPARE	--	20	1	25	0.0	0.0		26	1	20	--	SPARE	
	SPARE	--	20	1	27				28	1	20	--	SPARE	
	SPARE	--	20	1	29		0.0	0.0	30	1	20	--	SPARE	
						5.3 kVA	5.1 kVA	5.3 kVA						
						46 A	43 A	46 A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS							
EQUIP		14700 VA	80.00%		11760 VA		TOTAL CONNECTED LOAD: 15600 VA							
REC		900 VA	100.00%		900 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 MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANEL: MP2 VOLTAGE: 208Y/120V, 3P, 4W AMPERES: 225 A		MAINS TYPE: MLO SPD: No						PANEL INTERRUPTING RATING: 10,000 LOCATION:							
		MOUNTING: SURFACE						SUPPLY FROM: NSWB							
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	VHP-09 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	1	0.5	0.5		2	4	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	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-06 - Mezzanine	2-#12, 1-#12, 1-#12	15	2	11			0.4	0.4	12	2	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	
					15		0.5	1.0		16					
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	17			1.0	1.0	18	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine	
					19	1.0	1.0			20					
					21		1.0	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	23				1.0	1.0	24				
					25	1.0	1.0			26					
					27		1.0	1.0		28	3	15	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine	
					29				1.0	1.0	30				
	VHP-24 - Mezzanine	3-#12, 1-#12, 1-#12	15	3	31	1.0	1.0			32					
					33		1.0	1.0		34	3	20	3-#12, 1-#12, 1-#12	VHP-24 - Mezzanine	
	VHP-18 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	35				1.0	1.0	36				
					37	1.0	1.0			38	2	20	2-#12, 1-#12, 1-#12	VHP-18 Mezzanine	
	VHP-12 - Mezzanine	2-#12, 1-#12, 1-#12	20	2	39			0.7	1.0	40					
	CUJ-18 - MDF INDOOR/OUTDOOR UNIT	2-#12, 1-#12, 1-#12	20	2	43	1.0	0.7			0.7	0.7	2	20	2-#12, 1-#12, 1-#12	VHP-12 - Mezzanine
					44					44					
	REC - MEZZANINE	1-#12, 1-#12, 1-#12	20	1	45		1.0	0.2		46	1	20	1-#12, 1-#12, 1-#12	REC - MEZZANINE	
					47				0.4	1.0	48	2	20	2-#12, 1-#12, 1-#12	EQUIP
	SPARE	--	20	1	49	0.0	1.0			50					
	SPARE	--	20	1	51		0.0	0.0		52	1	20	--	SPARE	
	SPARE	--	20	1	53			0.0	0.0	54	1	20	--	SPARE	
						13.7 kVA		11.9 kVA		12.3 kVA					
						115 A		99 A		103 A					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS									
EQUIP		37450 VA	80.00%	29960 VA		TOTAL CONNECTED LOAD: 37950 VA									
REC		540 VA	100.00%	540 VA		TOTAL ESTIMATED DEMAND: 30500 VA									
						TOTAL CONNECTED CURRENT: 105 A									
						TOTAL ESTIMATED DEMAND CURRENT: 85 A									
						25 % ADDITIONAL CAPACITY: 21 A									
						TOTAL PANEL CURRENT: 106 A									
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.															

PANEL: ELSI				MAINS TYPE: MCB				PANEL INTERRUPTING RATING: 42,000A										
VOLTAGE: 208Y120V, 3P, 4W				SPD: Yes				LOCATION: Mechanical 123										
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM: NSWB										
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES				
	LTNG - Rm 130, 135, 136, 132, 122	1#12, 1#12, 1#12	20	1	0/8				2									
	LTNG - Rm 100, 118, 116, 114, 112	1#12, 1#12, 1#12	20	1	3	0.4			4									
	LTNG - Rm 108, 106, 104, 109, 107	1#12, 1#12, 1#12	20	1	5			0.5	6									
	LTNG - Rm 121(A/B), 119, 117, 115	1#12, 1#12, 1#12	20	1	9	0.3	0.2		8									
					7				10	1	20	1#12, 1#12, 1#12	LTNG - C102, 100, 132, 133, 134					
					11				0.2	12	1	20	1#12, 1#12, 1#12	LTNG				
	LTNG	1#12, 1#12, 1#12	20	1	13	0.1			14									
	SPARE	--	20	1	15		0.0	0.0		16	1	20	--	SPARE				
	SPARE	--	20	1	17				0.0	0.0	18	1	20	--				
	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	--	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	--	20	1	31	0.0	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	--				
					37	0.6			38									
					39			0.5	40	3	60	3-#3, 1-#3, 1-#8	S1B					
					41				42									
				1.5 kVA		1.3 kVA		1.2 kVA										
				13 A		11 A		10 A										
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS												
LTNG		4038 VA	100.00%	4038 VA		TOTAL CONNECTED LOAD: 4038 VA												
						TOTAL ESTIMATED DEMAND: 4038 VA												
						TOTAL CONNECTED CURRENT: 11 A												
						TOTAL ESTIMATED DEMAND CURRENT: 11 A												
						25 % ADDITIONAL CAPACITY: 3 A												

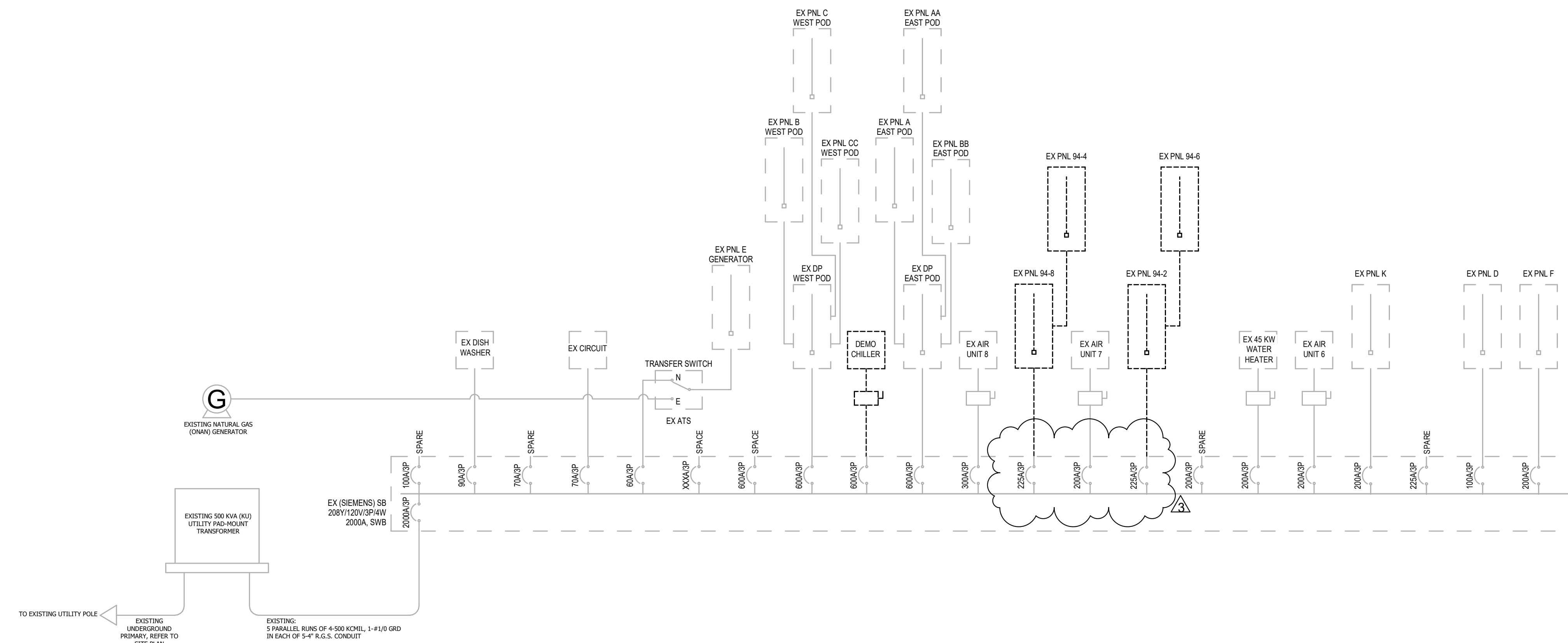
PANEL: ELS1B						PANEL INTERRUPTING RATING: 10,000									
VOLTAGE: 208Y/120V, 3Ø 4W						LOCATION: MECHANICAL 141									
AMPERES: 100 A						SUPPLY FROM: ELS1									
		MOUNTING: SURFACE													
		SPD: Yes													
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCBP	P	CKT	A	B	C	CKT	P	OCBP	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	LTING - MEDIA LIBRARY	1#12, 1#12, 1#12	20	1	3	0.1	0.1		2	1	20	1#12, 1#12, 1#12	LTING - Media Center (FIX)		
	LTING - Area E (FIX)	1#12, 1#12, 1#12	20	1	3		0.2	0.3		4	1	20	1#12, 1#12, 1#12	LTING - Area E (FIX)	
	LTING - Area E (FIX)	1#12, 1#12, 1#12	20	1	5				0.3	0.3	6	1	20	1#12, 1#12, 1#12	
	LTING - Rm 138	1#12, 1#12, 1#12	20	1	7	0.3	0.0			8	1	20	--	SPARE	
	SPARE	--	20	1	9		0.0	0.0			10	1	20	--	
	SPARE	--	20	1	11				0.0	0.0	12	1	20	--	
	SPARE	--	20	1	13	0.0	0.0				14	1	20	--	
	SPARE	--	20	1	15			0.0	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	0.0	30	1	20	--
						0.6 kVA 5 A	0.5 kVA 4 A	0.5 kVA 5 A							
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS									
LTING		1637 VA	100.00%	1637 VA		TOTAL CONNECTED LOAD: 1637 VA									
						TOTAL ESTIMATED DEMAND: 1637 VA									
						TOTAL CONNECTED CURRENT: 5 A									
						TOTAL ESTIMATED DEMAND CURRENT: 5 A									
						25 % ADDITIONAL CAPACITY: 1 A									
						TOTAL PANEL CURRENT: 6 A									
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.															

PANEL: MP4				MAINS TYPE: MLO				PANEL LOCATION: 7000						
VOLTAGE: 208Y/120V, 3P, 4W				SPD: No				LOCATION: MECHANICAL 141						
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM: DP4						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC: OUTDOOR/INDOOR CU-18, CU-18- MDF INDOOR/OUTDOOR UNIT	1#12, 1#12, 1#12	20	1	1	0.4	0.4		2	20	2#12, 1#12, 1#12	HHP-06		
		2#10, 1#10, 1#10	20	2	3		1.2	0.4	6	2				
					5				1.2	0.4	6			
					7	0.5	0.4							
	HHP-09	2#12, 1#12, 1#12	20	2	9		0.5	1.0		10		HHP-09		
					11				1.0	1.0	12	3#10, 1#10, 1#10	HHP-24	
	HHP-24	3#10, 1#10, 1#10	20	3	13	1.0	1.0			14				
					15		1.0	1.0		16				
					17				1.0	1.0	18	3#10, 1#10, 1#10	HHP-24	
	HHP-24	3#10, 1#10, 1#10	20	3	19	1.0	1.0			20				
					21		1.0	1.0		22				
					23				1.0	1.0	24	3#12, 1#12, 1#12	HHP-24	
	HHP-24	3#12, 1#12, 1#12	20	3	25	1.0				26				
					27		1.0	1.0		28				
					29				1.0	1.0	30	3#12, 1#12, 1#12	HHP-24	
	HHP-24	3#12, 1#12, 1#12	20	3	31	1.0	1.0			32				
					33		1.0	1.0		34				
					35				1.0	1.0	36	3#12, 1#12, 1#12	HHP-24	
	HHP-24	3#12, 1#12, 1#12	20	3	37	1.0	1.0			38				
					39		1.0	2.0		40				
	TEMPORARY HHP-06	2#12, 1#12, 1#12	20	2	41				0.4	2.0	42	3#10, 1#10, 1#10	VHP-48- MECHANICAL	
					43	0.4	2.0			44				
	TEMPORARY HHP-09	2#12, 1#12, 1#12	20	2	45		0.5	0.4		46				
					47				0.5	0.4	48	TEMPORARY HHP-09		
	TEMPORARY HHP-06	2#12, 1#12, 1#12	20	2	49	0.4	0.5			50				
					51					52		TEMPORARY HHP-09		
	SPARE	--	20	1	53			0.0	0.0	54	1	20	--	SPARE
						14.8 KVA	15.6 KVA	14.7 KVA						
						124 A	130 A	123 A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS								
EQUIP		44800 VA	80.00%	35840 VA		TOTAL CONNECTED LOAD: 45180 VA								
REC		360 VA	100.00%	360 VA		TOTAL ESTIMATED DEMAND: 36200 VA								
						TOTAL CONNECTED CURRENT: 100 A								
						25 % ADDITIONAL CAPACITY: 25 A								
						TOTAL PANEL CURRENT: 126 A								
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.														

PANEL: ESB1				MANS TYPE: MCB				PANEL INTERRUPTING RATING: 42,000						
VOLTAGE: 208Y/120V, 3P, 4W				SPD: Yes				Mechanical 123						
AMPERS: 225 A				MOUNTING: SURFACE				LOCATION: FROM: NSWB						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC-RACK IDF 201	1#12, 1#12, 1#12	20	1	0.2	0.2			2	1	1#12, 1#12, 1#12	REC-RACK IDF 201		
	REC-IDF 201	1#12, 1#12, 1#12	20	1	3				4	2		IDF IDF EQUIP RACK		
	REC-IDF 201	1#12, 1#12, 1#12	20	1	5			0.4	0.8	6	2	2#12, 1#12, 1#12	IDF IDF EQUIP RACK	
	REC-IDF 201	1#12, 1#12, 1#12	20	1	7	0.4	0.8			8	2	2#12, 1#12, 1#12	IDF IDF EQUIP RACK	
	REC-IDF 201	1#12, 1#12, 1#12	20	1	9		0.4	0.8		10				
	REC-IDF 201	1#12, 1#12, 1#12	20	1	11			0.4	0.4	12	20	1#12, 1#12, 1#12	REC-IDF 201	
	REC-IDF 201	1#12, 1#12, 1#12	20	1	13	0.4	0.4			14	1	1#12, 1#12, 1#12	REC-IDF 201	
	BAS MECHANICAL 123	1#12, 1#12, 1#12	20	1	15		0.5	0.0		16	1	--	SPARE	
	SPARE	--	20	1	17				0.0	0.0	18	1	--	SPARE
	SPARE	--	20	1	19	0.0	0.0			20	1	--	SPARE	
	SPARE	--	20	1	21		0.0	0.0		22	1	--	SPARE	
	SPARE	--	20	1	23				0.0	0.0	24	1	--	SPARE
	SPARE	--	20	1	25	0.0	0.0			26	1	--	SPARE	
	SPARE	--	20	1	27		0.0	0.0		28	1	--	SPARE	
	SPARE	--	20	1	29				0.0	0.0	30	1	--	SPARE
	SPARE	--	20	1	31	0.0	0.0			32	1	--	SPARE	
	SPARE	--	20	1	33		0.0	0.0		34	1	--	SPARE	
	SPARE	--	20	1	35				0.0	0.0	36	1	--	SPARE
					37	5.3	2.7			38				
					39		5.1	2.6		40	3	3#40, 1#40, 1#20	1#1	
					41					42	3	100		
						10.1 kVA	10.4 kVA	5.3	3.0					
						85 A	87 A	84 A						
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS						
EQUIP		24000 VA		80.0%		19500 VA		TOTAL CONNECTED LOAD: 30560 VA						
REC		5940 VA		100.00%		5940 VA		TOTAL ESTIMATED DEMAND: 25636 VA						
								TOTAL CONNECTED CURRENT: 71 A						
								25 % ADDITIONAL CAPACITY: 18 A						
								TOTAL PANEL CURRENT: 89 A						
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P. A PROVIDE CRIMP REDUCER TO THIS 100A/3P BREAKER TO ACCEPT LARGER WIRE AS SHOWN TO ENSURE INSTALLATION COMPLIES WITH NEC.														
GENERAL NOTE: PROVIDE LSI ELECTRONIC TRIP TYPE MAIN. PROVIDE LSI ELECTRONIC TRIP TYPE FOR ESB1B AND ESB2 BREAKER AT THIS PANEL.														

PANEL: ESB1B				PANEL INTERRUPTING RATING: 10,000													
VOLTAGE: 208Y/120V, 3P, 4W				LOCATION: MECHANICAL 141													
AMPERES: 100 A				SUPPLY FROM: ESB1													
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCP P	CKT A	MOUNTING: SURFACE		C	CKT P	OCP P	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES					
					0.2	0.2											
	REC-RACK MDF 137	1-#12, 1-#12, 1-#12	20	1	0	0		2	1	20	1-#12, 1-#12, 1-#12						
	REC - MDF 137	1-#12, 1-#12, 1-#12	20	1	0	0.4	1.9	4	2	20	REC-RACK MDF 137						
	REC - MDF 137	1-#12, 1-#12, 1-#12	20	1	5			0.4	1.9	6	2-#10, 1-#10, 1-#10	30A/2P REC RACK					
	REC - MDF 137	1-#12, 1-#12, 1-#12	20	1	7	0.4	0.4	8	1	20	1-#12, 1-#12, 1-#12	REC - MDF 137					
	REC - MDF 137	1-#12, 1-#12, 1-#12	20	1	9		0.4	0.0	10	1	20	SPARE					
	SPARE	--	20	1	11			0.0	0.8	12	2	20	1-#12, 1-#12, 1-#12				
	BAS MECHANICAL 141	1-#12, 1-#12, 1-#12	20	1	13	0.5	0.8		14	2	20	30A/2P REC RACK					
	SPARE	--	20	1	15		0.0	0.0		16	1	20	--				
	SPARE	--	20	1	17			0.0	0.0	18	1	20	--				
	REC - MDF 137	1-#12, 1-#12, 1-#12	20	1	19	0.4	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	0.0	30	1	20	--				
	SPARE	--	20	1	31	0.0	0.0		32	1	20	--					
	SPARE	--	20	1	33		0.0	0.0		34	1	20	--				
	SPARE	--	20	1	35			0.0	0.0	36	1	20	--				
	SPARE	--	20	1	37	0.0	0.0		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	--				
					2.7 kVA		2.6 kVA	3.0 kVA									
					23 A		21 A	25 A									
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS											
LOAD		6000 VA	80.0%	4846 VA		TOTAL CONNECTED LOAD: 8220 VA											
REC		2160 VA	100.00%	2160 VA		TOTAL ESTIMATED DEMAND: 7008 VA											
						TOTAL CONNECTED CURRENT: 19 A											
						TOTAL ESTIMATED DEMAND CURRENT: 15 A											
						25 % ADDITIONAL CAPACITY: 5 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		

RBS DESIGN GROUP
ARCHITECTURE

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DO NOT SCALE DRAWING

USE GIVEN DIMENSIONS ONLY. IF NOT SHOWN, VERIFY AND DOCUMENT ALL OBJECT DIMENSIONS WITH THE ARCHITECT OR ENGINEER. CONSULT WITH THE ARCHITECT OR ENGINEER FOR ALL DIMENSIONS NOT SHOWN ON THIS PLAN.

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

[illegible]

CMTA
A COMMITMENT TO INNOVATION
115 Memorial Drive
Paducah, KY 42001
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TOOLS COOL RE Y DEMO

COMMUNITY SCHOLARSHIP PRIMARY SCHOLARSHIP ENTUCKY GRAM

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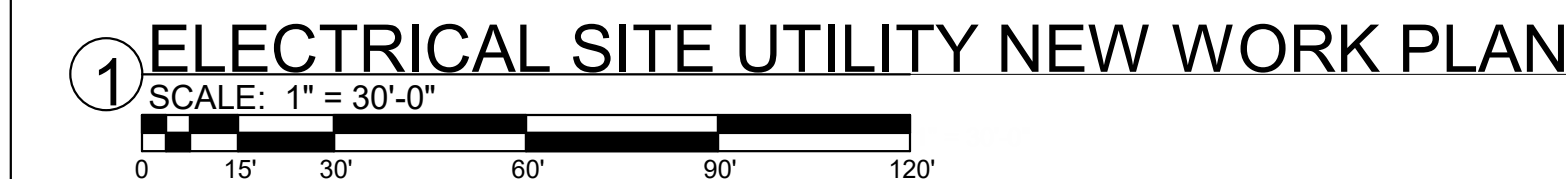
NOTES:
• TAGS WITH SUFFIX "-3W" ARE THREE-WIRE, NO NEUTRAL.

TAG	OCPP SETTING	WIRE SIZE	EQUIP. GROUND SIZE	CONDUIT SIZE
20	20/3 (4W)	(4) #12	(1) #12	3/4"
30	30/3 (4W)	(4) #10	(1) #10	3/4"
50	40/3 OR 50/3 (4W)	(4) #8	(1) #10	1"
60	60/3 (4W)	(4) #6	(1) #10	1"
80	70/3 OR 80/3 (4W)	(4) #4	(1) #8	1-1/4"
100	90/3 OR 100/3 (4W)	(4) #3	(1) #6	1-1/4"
110	110/3 (4W)	(4) #2	(1) #6	1-1/2"
125	125/3 (4W)	(4) #1	(1) #6	1-1/2"
150	150/3 (4W)	(4) #1/0	(1) #6	2"
200	200/3 (4W)	(4) #3/0	(1) #6	2"
225	225/3 (4W)	(4) #4/0	(1) #4	2-1/2"
250	250/3 (4W)	(4) #250 KCMIL	(1) #4	3"
600	600/3 (4W)	2 RUNS OF (4) - #350 KCMIL/PHASE	(1) #1	3"
600*	600/3 (4W)*	3 RUNS OF (4) - #350 KCMIL/PHASE	(1) #2/0	3"
2000	2000/3 (4W)	6 RUNS OF (4) - #500 KCMIL/PHASE	(1) #250 KCMIL	3-1/2"
EX	EXISTING TO REMAIN			

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
DEMOLITION	



L1 PROVIDE NEW SITE LIGHTING WITH 20' POLES IN PHASE 4. REFER TO ELECTRICAL PHASING PLANS AND ELECTRICAL DETAILS FOR CONTINUATION. REFER TO TAGGED NOTE L7 FOR CONTINUATION.

L6 COORDINATE WORK WITH ALL TRADES. REFER TO MECHANICAL SCHEDULES FOR ALL TRADES. COORDINATE WITH MECHANICAL ELEVATION FOR NEW HVAC UNIT AND MECHANICAL PIPING. UNDERGROUND FEEDER, GDS PIPING, ETC. OF EXISTING AND NEW UTILITY PLANS FOR ALL TRADES. COORDINATE WITH MECHANICAL ADJUSTMENTS/EXTENSIONS TO THIS EXISTING SITE LIGHTING POLE THAT REMAINS. PROVIDE EMERGENCY CIRCUIT TO SITE LIGHT FIXTURES PER MECHANICAL SCHEDULES.

L7 FEEDER OF NEW SITE LIGHTING, AT THIS POINT INDICATED, SHALL BE RUN RISIDE WALL CHASE. REFER TO FIRST FLOOR PLAN FOR LOCATION OF FEEDER. COORDINATE WITH MECHANICAL SCHEDULES TO PANEL SCHEDULES FOR MORE INFORMATION) REFER TO LUMINAIRE SCHEDULE FOR MORE DETAILS FOR NEW SITE LIGHT FIXTURES

S15 LOCATION OF NEW MDF/IDF-A137, ADDED IN PHASE 2. ADJACENT TO MEDIA LIBRARY. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.

S16 LOCATION OF NEW IDF, ADDED IN PHASE 2. LOCATED IN THE MEZZANINE ABOVE FIRST FLOOR. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.

S17 LOCATION OF NEW IDF, ADDED IN PHASE 2. LOCATED IN THE EXISTING GYM AREA. REFER TO ELECTRICAL FLOOR PLANS FOR PHASING AND DETAILS.

UE1 PROVIDE NEW TRANSFORMER PROVIDED BY SITE ELECTRICAL UTILITIES (KU) IN PHASE 2 NEW. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.

UE2 PROVIDE NEW 15KV UTILITY EMERGENCY GENERATOR SET IN PHASE 2 NEW. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION. PAD SHALL EXTEND A MINIMUM OF 6' PAST THE END OF EQUIPMENT. PROVIDE FINAL LOCATION OF GENERATOR WITH CIVIL DRAWINGS.

UE3 CONTRACTOR TO PROVIDE FEEDERS FOR NEW DISTRIBUTION PANELS (REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE DETAILS). THESE RUN OF FEEDERS SHALL BE COORDINATED WITH ALL TRADES. FEEDERS SHALL BE TEMPORARILY FEED FROM EXISTING SWITCHBOARD. COORDINATE WITH MECHANICAL SCHEDULES TO NEW SWITCHBOARD. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION. REFER TO TAGGED NOTE U6S FOR COORDINATION.

UE4 FEEDERS TO BE TEMPORARILY FEED FROM EXISTING MAIN SWITCHBOARD (SIEMENS) IN PHASE 2. REFER TO TAGGED NOTE U6S FOR COORDINATION.

UE5 FEEDERS SHALL RUN ABOVE CEILING UP AT THIS POINT INDICATED. FEEDERS SHALL TURN DOWN ABOVE THE INTERIOR WALLS (REFER TO THE CLASSIFIED MECHANICAL SCHEDULES FOR MORE DETAILS). FEEDERS SHALL THEN STUB OUT TO EXTERIOR AND TRENCH ALONG THE CONTINUATION OF THE PATHWAY. COORDINATE ALL WORK OF FEEDERS WITH ALL TRADES. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR COORDINATION.

UE6 FEEDERS AT THIS POINT INDICATED SHALL STUB IN AND RUN ALONG THE CHASE WALL (REFER TO ELECTRICAL FLOOR PLANS FOR MORE DETAILS). COORDINATE WITH MECHANICAL SCHEDULES TO MEZZANINE AS SHOWN ALONG THE CONTINUATION OF THE PATHWAY. COORDINATE ALL WORK OF FEEDERS WITH ALL TRADES. DUCTS, ETC. REFER TO TAGGED NOTE U6T FOR COORDINATION.

UE7 FEEDERS AT THIS POINT INDICATED SHALL TURN DOWN TO LOCATION OF NEW MAIN SWITCHBOARD. ELECTRICAL CONTRACTOR TO REFER TO TAGGED NOTE U4U FOR TEMPORARY FEEDING FROM THE EXISTING MAIN SWITCHBOARD (SIEMENS). PROVIDE NEW SWITCHBOARD. COORDINATE WITH MECHANICAL SCHEDULES TO NEW SWITCHBOARD. 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 DEMOLISH FEEDER WIRES (IN PHASE 3) AND USE UNDERGROUND CONDUIT STARTING AT THIS POINT INDICATED. CONTRACTOR SHALL RUN NEW FEEDERS TO NEW MAIN SWITCHBOARD TO FEED EXISTING MAIN SWITCHBOARD (SIEMENS). ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL SCHEDULES TO NEW UTILITY TRANSFORMER AND FEEDING MAIN SWITCHBOARD IN PHASE 3. COORDINATE ALL WORK OF NEW TRANSFORMER AND FEEDERS TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.

UE9 ONCE NEW SWITCHBOARD IS FULLY INSTALLED AND RUN OF FEEDERS TAP TO NEW SWITCHBOARD. ELECTRICAL CONTRACTOR TO DEMOLISH FEEDER WIRES (IN PHASE 3) AND USE UNDERGROUND CONDUIT STARTING AT THIS POINT INDICATED. CONTRACTOR SHALL RUN NEW FEEDERS TO NEW MAIN SWITCHBOARD TO FEED EXISTING MAIN SWITCHBOARD (SIEMENS). ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL SCHEDULES TO NEW UTILITY TRANSFORMER AND FEEDING MAIN SWITCHBOARD IN PHASE 3. COORDINATE ALL WORK OF NEW TRANSFORMER AND FEEDERS TO ELECTRICAL ONE-LINE DIAGRAM FOR MORE INFORMATION.

UE10 TURN COMMUNICATIONS CONDUIT UP AT BUILDING EXTERIOR. PROVIDE LB CONDUIT BODY AND EXTEND FEEDERS ABOVE CEILING TO MDF 137.

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 DISMOUNTING PRIMARY ELECTRICAL PANELS. TERMINATE TO NEW LOCATION OF NEW TRANSFORMER PROVIDED BY KU AT POINT INDICATED.

UE14 PROVIDE PAD-MOUNT GENSSET DISTRIBUTION STATION WITH GENSSET. COORDINATE WITH MECHANICAL SCHEDULES AND TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

UE15 LOCATION AND ROUTING OF THE EXISTING OVERHEAD FIBER OPTIC UTILITY FEED. UTILITY FEED SHALL BE EXISTING TO REMAIN. REFER TO SYSTEMS PLANS AND THE TELECOMMUNICATIONS RISER DIAGRAM FOR ADDITIONAL INFORMATION.

UE16 BUILDING SERVICE ENTRANCE LOCATION OF THE UTILITY FIBER OPTIC SERVICE. ALL WORK INVOLVING THE EXISTING FIBER OPTIC SERVICE SHALL BE COORDINATED WITH MECHANICAL SCHEDULES PRIOR TO CONSTRUCTION. PROTECT DURING CONSTRUCTION.

UE17 PROVIDE UNDERGROUND SECONDARY FEEDERS FROM NEW FORMER LOCATION OF UTILITY FEED TO NEW MAIN SWITCHBOARD. REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.

UE18 REFER TO THE OFFLINE DIAGRAM FOR SIZE OF WIRING AND CONDUIT.

UE19 PROVIDE TAMPER SWITCH FOR FIRE PROTECTION VAULT. EXTENDING FROM VAULT TO CONDUIT TO FIRE ALARM CONTROL PANEL.

UE20 PROVIDE 125A LOADCENTER FOR GENERATOR LOADS. REFER TO

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 ARCHITECTURAL DRAWINGS, THE ARCHITECT'S PLANNING PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN, THE ELECTRICAL & ELECTRICAL SERVICE SCHEDULES AND THE ELECTRICAL & ELECTRICAL SERVICE SCHEDULES WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS. ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

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

D. FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS SHALL BE PROVIDED AS A PART OF THIS CONTRACT.

E. 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 AERIAL PHOTOGRAPHS, SURVEY DATA, RECORDS, ETC. VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THE WORK AS TO THE LOCATION OF EXISTING UTILITIES AND SERVICES. PROVIDE 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 APPLICABLE CODES, 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 BE NOTIFIED OF ANY PRECEDENCE OF THE WORK TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL ADVISE THE SITE SUPERVISOR OF ANY VARIATION PRIOR TO THE BEGINNING OF ANY 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 IN ACCORDANCE WITH THE EXISTING RECORDS.

I. PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J. CONTRACTOR SHALL PERFORM A SHORT 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 THE BEGINNING OF CONSTRUCTION OF TRENCHES OR ROADWAYS. 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. PROVIDE SEED AND MULCH TO REPAIR ALL DAMAGED AREAS. PROVIDE PATCH AND 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. ADVISE THE ARCHITECT AND THE BUILDING DEPARTMENT OF ANY 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. NOTIFY THE ARCHITECT AND THE BUILDING DEPARTMENT OF ANY INTERRUPTION 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(S) WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY THE ARCHITECT IMMEDIATELY AFTER ANY EXCAVATION WORK IS COMPLETED. 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, REPLACEMENT 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 LINES 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 BE RESPONSIBLE FOR THE DEMOLITION OF THE "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 UNBROKEN DIRECT CONNECTIONS TO THE REMAINING CIRCUITS.

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.

FACPAC PO Change Order Supplemental Information Form (Ref# 62557)

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: 14-01
Vendor Name: ECKART, LLC

Change Order Number 14-1-1
Time Extension Required No
Date Of Change Order
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	\$129,010.79
Remaining After All COs	\$936,413.42

This Requested Change Order Amount \$9,815.79
+/-
Change In A/E Fee This Change Order \$530.05
+/-
Change In CM Fee This Change Order \$186.50
+/-
Remaining Construction Contingency \$935,696.87
Balance
Contract Change Requested By Architect/Engineer
Contract Change Reason Code Expansion of Scope
Change Order Description And Justification
Change order involves several circuit 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	\$9,815.79	100.00%
Profit and Overhead	\$0.00	0.00%
Bond Insurance	\$0.00	0.00%
Cost Breakdown Total:	\$9,815.79	
Cost for this Change Order supported No by an alternate bid or competitive price quote Explain Why PR issued after bid date.		

**Change Order Supplemental Information Form Signature
Page (Online Form Ref# 62557)**

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