

**ADDENDUM
NO. 1**

December 20, 2023

**MEMORIAL OPERA HOUSE – BID PACKAGE #2 (GENERAL TRADES,
PLUMBING, MECHANICAL, AND ELECTRICAL PACKAGES)**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated December 01, 2023 by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 1-1 through ADD 1-2 and attached Addendum No. 1 from Schmidt Associates dated December 15, 2023 and consisting of 1 page and 5 drawings.

A. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

A. BID CATEGORY NO. 1 – GENERAL TRADES/SITWORK

1. **ADD:**

Specification Section 22 13 13 – Facility Sanitary Sewer (Site)

B. BID CATEGORY NO. 2 – PLUMBING

1. **Delete:**

Specification Section 22 13 13 – Facility Sanitary Sewer (Site)

2. **Revise:**

Clarification No. 6:

The Bid Category **No. 2** Contractor shall provide saw cutting, removal and replacement of concrete as required to accommodate work as shown on the P Drawings. The Bid Category **No. 2** Contractor shall also include scanning of floors prior to performing any saw cutting.

C. **BID CATEGORY NO. 4 – ELECTRICAL**

1. **Add:**

Clarification No. 7:

The **Bid Category No. 4 Contractor** shall provide saw cutting, removal and replacement of concrete as required to accommodate work as shown on the E Drawings. The **Bid Category No. 4 Contractor** shall also include scanning of floors prior to performing any saw cutting.

ADDENDUM NO. 1

DECEMBER 15, 2023

PREPARED BY SCHMIDT ASSOCIATES FOR:
RENOVATION OF MEMORIAL OPERA HOUSE
PORTER COUNTY BOARD OF COMMISSIONERS

This Addendum consists of 1 Addendum page and 5 attachment pages totaling 6 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL (NOT APPLICABLE)

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

DRAWING NO.	INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R),
E-SERIES DRAWINGS	
EL102.2	DELETE AND REPLACE
E-401.2	DELETE AND REPLACE
E-603.2	DELETE AND REPLACE
E-604.2	DELETE AND REPLACE
E-605.2	DELETE AND REPLACE

END OF ADDENDUM 1

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GENERAL LIGHTING NOTES	
#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.
B	AT STAGE AREA, PROVIDE BLACK LIGHTING CONTROL DEVICES AND FACEPLATES, PAINT CONDUIT, FITTINGS, AND BOXES BLACK.
C	EMERGENCY LIGHT FIXTURES NOTED WITH "M-MOH" (MINI INVERTER - MEMORIAL OPERA HOUSE) ARE SERVED BY INVERTER AS PART OF THEATRICAL LIGHTING SYSTEM. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

LIGHTING PLAN NOTES	
#	NOTES
1	FEED POWER FOR AISLE LIGHTS IN HOUSE FLOOR FROM BASEMENT.
2	REUSE EXISTING LIGHT FIXTURE ROUGH-IN TO SERVE NEW LIGHT FIXTURE.
3	SWITCH SERVES LIGHT FIXTURES IN SPACE ON ONE BUTTON INCLUDING LIGHT FIXTURE OF EXHAUST FAN / LIGHT COMBO UNIT AND EXHAUST FAN ON OTHER BUTTON.
4	CIRCUIT EMERGENCY BATTERY PACK TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM / AREA.
5	EXTEND HOUSE LIGHTING CONTROLS CABLING AND REINSTALL EXISTING HOUSE LIGHTING CONTROLS OVERRIDE RECESSED IN WALL AT NEW LOCATION.
6	CIRCUIT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM / AREA.
7	DMX PLUG-IN STATION. REFER TO THEATRICAL LIGHTING MATRIX FOR ADDITIONAL INFORMATION.
8	ALTERNATE: DMX PLUG-IN STATION UNDER STAGE LIGHTING ALTERNATE BID ONLY. REFER TO THEATRICAL LIGHTING MATRIX FOR ADDITIONAL INFORMATION.
9	OCCUPANCY SENSOR SERVING ARCHITECTURAL LIGHTING SYSTEM. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10	LIGHTING CONTROL STATION SERVING ARCHITECTURAL LIGHTING SYSTEM. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11	BATTERY INVERTER AND EMERGENCY SENSOR. REFER TO THEATRICAL LIGHT DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12	ALTERNATE: ARC LAMP DRIVER. REFER TO THEATRICAL LIGHT DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
13	LOCATE GLASS GLOBE ACCENT LIGHT FIXTURES AT +8'-0" A.F.F. TO BOTTOM OF FIXTURE GLOBE. CENTER GROUP OF THREE FIXTURES OVER BAR COUNTER. SPACE LIGHT FIXTURES #4'-0" ON CENTER.
14	COORDINATE RECESSED STAIR AND STAGE EDGE LIGHTS WITH A-SERIES DRAWINGS.
15	PROVIDE 3" CONDUIT TO CONTROL BOOTH ON FIRST FLOOR.
16	WIRELESS ACCESS POINT. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
17	PORTABLE TOUCH SCREEN FOR CONTROL OF ARCHITECTURAL LIGHTING SYSTEM. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
18	DMX DRIVER. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
19	ALTERNATE: DMX GRIDIRON JUNCTION BOX UNDER STAGE LIGHTING ALTERNATE BID ONLY. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
20	SIMPLE NETWORK BOX POE. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
21	COORDINATE STAGE EDGE LIGHTS WITH PIT LIFT DRAWINGS AND THEATRICAL LIGHTING SYSTEM DRAWINGS.
22	ALTERNATE: PROVIDE ARCLAMP TO SERVE THIS LIGHT FIXTURE UNDER ARCHITECTURAL LIGHTING ALTERNATE BID. REFER TO THEATRICAL LIGHTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
23	NET PLUG-IN STATION. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
24	STAGE EDGE AND AISLE LIGHTING CONTROLLED BY UFR2. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
25	CIRCUIT STAGE LIGHT FIXTURES TO EXISTING CIRCUITS FROM EXISTING STRAND DIMMER RACK. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
26	GLASS GLOBE ACCENT LIGHT FIXTURES CONTROLLED BY UFO MODULE. REFER TO THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
27	PROVIDE LIGHT FIXTURE SURFACE MOUNTED TO FACE OF MULLION DIRECTLY ABOVE DOOR. COORDINATE WIRING THROUGH STREETFONT SYSTEM.
28	PROVIDE EXTERIOR WALL PACK AT SAME LOCATION AS PREVIOUSLY REMOVED FIXTURE.
29	SUSPEND FIXTURES IN THIS SPACE +8'-0" A.F.F. TO BOTTOM OF FIXTURES.



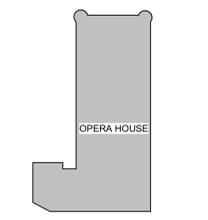
Project No. 2023-084.RMO
 Project Date 12.01.2023
 Produced EAG



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#	Revision	Date
A1	Addendum #1	12.15.2023

104 Indiana Ave,
 Valparaiso, IN 46383



KEY PLAN

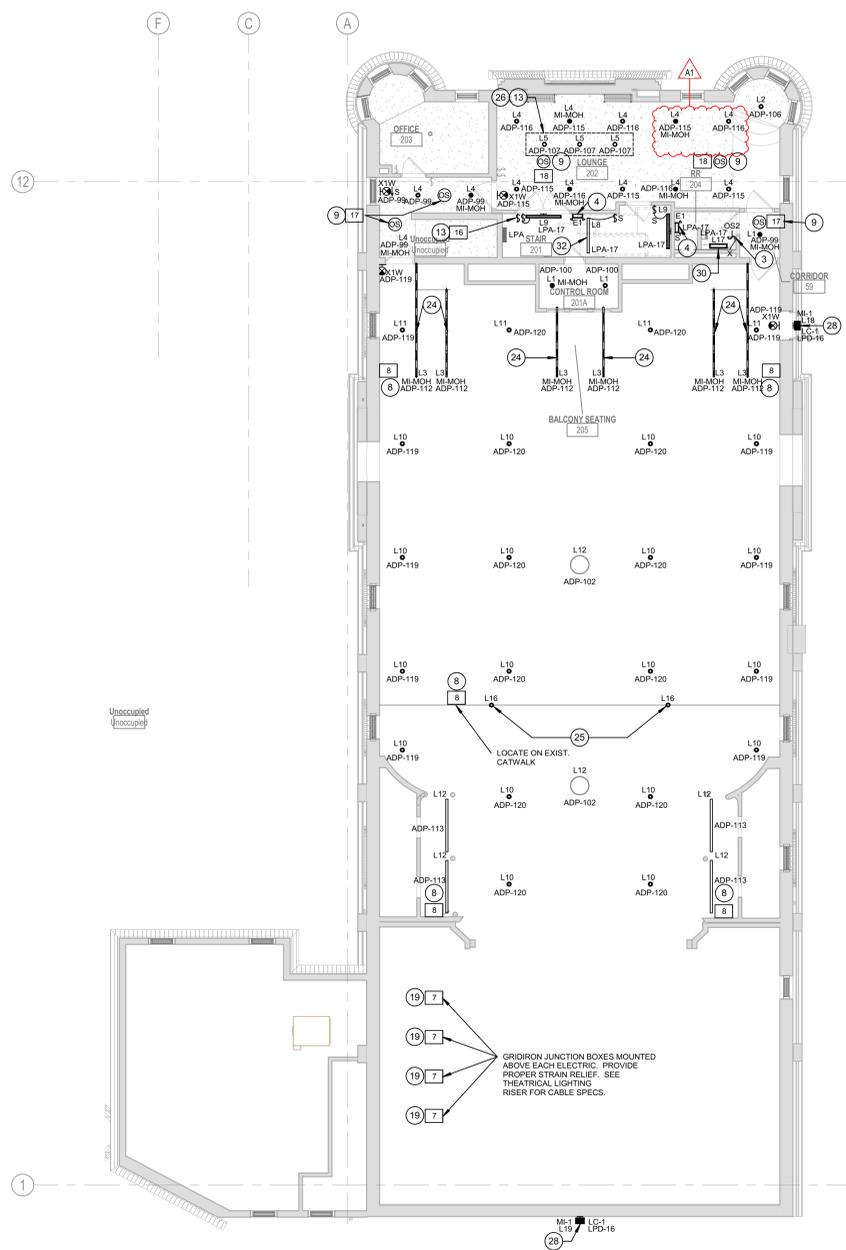
PORTER COUNTY BOARD OF COMMISSIONERS



MEMORIAL OPERA HOUSE - MAIN PACKAGE - MAIN PACKAGE

SECOND FLOOR LIGHTING PLAN

EL102.2



2A SECOND FLOOR LIGHTING PLAN
 1/8" = 1'-0"

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FILE: 2023084.RMO\DRAWING\EL102.2 SECOND FLOOR LIGHTING PLAN.dwg
 DATE: 12/01/2023 10:45:00 AM
 USER: EAG

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GENERAL ENLARGED LIGHTING NOTES	
#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.

ENLARGED LIGHTING PLAN NOTES	
#	NOTES

GENERAL ENLARGED POWER NOTES	
#	NOTES
A	REFER TO SHEET E-001 FOR ADDITIONAL INFORMATION.

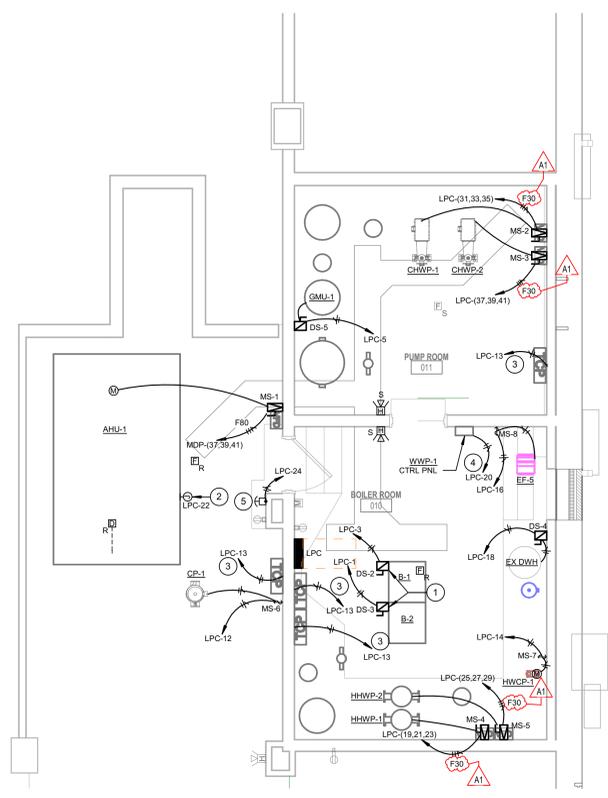
ENLARGED POWER PLAN NOTES	
#	NOTES
1	PROVIDE UNISTRUT MOUNTING FRAME FOR DISCONNECT SWITCHES.
2	CIRCUIT CONNECTION TO SERVE AHU RECEPTACLE.
3	PROVIDE CIRCUIT INDICATED FOR TEMPERATURE CONTROL PANEL. CONNECT COMPLETE THROUGH CONTROL PANEL.
4	PROVIDE CIRCUIT INDICATED FOR WASTE WATER PUMP. CONNECT COMPLETE THROUGH CONTROL PANEL.
5	PROVIDE EMERGENCY SHUT-OFF BUTTON FOR ALL BOILERS AT +46" A.F.F. TO C.L. AT EACH EXIT FROM THE MECHANICAL SPACE USING 120V CIRCUIT INDICATED. PROVIDE SHUNT TRIP ACCESSORY TO ALL BOILER CIRCUIT BREAKERS. PROVIDE PLACARD SIGN ABOVE BUTTON TO INDICATE LOCATION OF SHUT-OFF. REFER TO BOILER EMERGENCY STOP DIAGRAM ON SHEET E-602.
6	NEMA 10-30R FOR DRYER AT +36" A.F.F. TO C.L. COORDINATE LOCATION WITH OWNER.



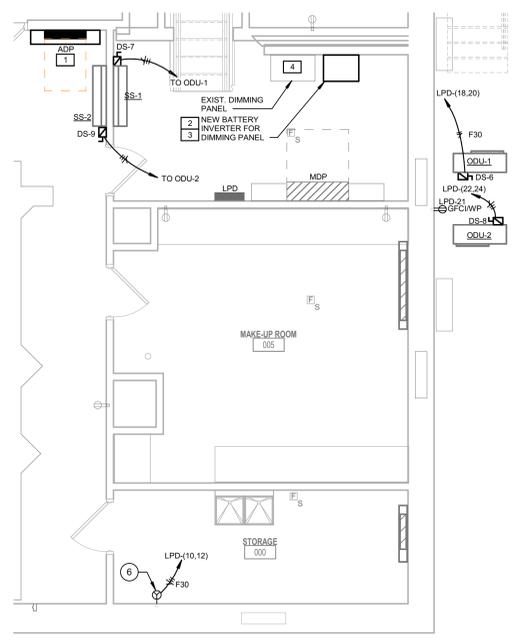
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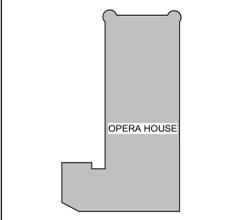


2C ENLARGED BASEMENT POWER PLAN - NORTH PORTION
 1/4" = 1'-0"



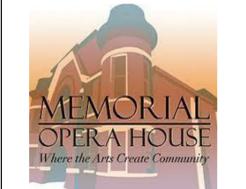
2A ENLARGED BASEMENT POWER PLAN - SOUTH PORTION
 1/4" = 1'-0"

104 Indiana Ave.
 Valparaiso, IN 46383



KEY PLAN

PORTER COUNTY BOARD OF COMMISSIONERS



MEMORIAL OPERA HOUSE - MAIN PACKAGE - MAIN PACKAGE

ENLARGED PLANS

E-401.2

EAGLE ARCHITECTURE
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 INDIANAPOLIS, IN 46204
 TEL: 317.633.1111
 WWW.EAGLEARCHITECTURE.COM

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GENERAL LIGHT FIXTURE SCHEDULE NOTES	
#	NOTES
A	PROVIDE LAMPS FOR ALL LIGHT FIXTURES SPECIFIED.
B	REFER TO LIGHT FIXTURE SCHEDULE AND REFLECTED CEILING PLANS FOR MOUNTING REQUIREMENTS, CEILING TYPES, AND FINAL LOCATIONS. PROVIDE APPROPRIATE MOUNTING TRIM REQUIRED FOR CEILING TYPE.
C	PROVIDE FACTORY INSTALLED DISCONNECTS FOR ALL LINEAR FIXTURES.
D	PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS/BALLASTS, ETC.)
E	ALLOWANCE PRICING LISTED IN LIGHT FIXTURE SCHEDULE ARE PROVIDED FROM LIGHTING SUPPLIER DURING THE DESIGN. CONTRACTOR TO VERIFY FINAL NUMBER FROM LIGHTING SUPPLIER PRIOR TO BID.



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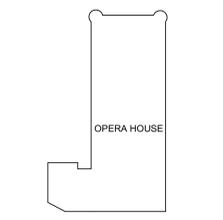
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A1	Addendum #1	12.15.2023

265119/265619/26213.1 - INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE													
LABEL	DESCRIPTION	VOLTAGE	SOURCE				MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL		
			TYPE	LUMENS	WATTS	CCT							
E1	LED EMERGENCY LIGHT, 25" ON CENTER COVERAGE, ADJUSTABLE OPTICS, SELF DIAGNOSTIC, WHITE FINISH, SEALED NICKEL CADMIUM BATTERY.	120 V	LED	N/A	10 W	4000 K	SURFACEWALL	N/A	N/A	SURE-LITES SEL25 DUAL-LITE EV LITHONIA ELM2	E1		
E2	LED EMERGENCY LIGHT, 25" ON CENTER COVERAGE, ADJUSTABLE OPTICS, SELF DIAGNOSTIC, BLACK FINISH, SEALED NICKEL CADMIUM BATTERY.	120 V	LED	N/A	10 W	4000 K	SURFACEWALL	N/A	N/A	SURE-LITES SEL25 DUAL-LITE EV LITHONIA ELM2	E2		
L1	4" ROUND LED DOWNLIGHT, SELF-FLANGED TRIM, WIDE DISTRIBUTION (75"), 0-10V DIMMING.	120 V	LED	2,000 LM	22 W	2700 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LD48 PRESCOLITE LTR-4RD GOTHAM EVO	L1		
L2	6-7 LAMP PENDANT CHANDELIER, BLACK FINISH, BLACK CANOPY, 1-10V DIMMING.	120 V	LED	922 LM	23 W	2700 K	SURFACE / CEILING	SEMI-SPECULAR CLEAR	N/A	BOVER CANDLE S/BL OCL 051PFC	L2		
L3	CARPET-TO-CARPET LED AISLE LIGHT, 6" LED SPACING, 0-10V DIMMING, 0.5 W/LINEAR FOOT.	120/277 V	LED	N/A	1 W	RED	FLOOR MOUNTED IN CARPET	CLEAR LENS	N/A	CELESTIAL LIGHTING GEMINI 2000 MICO LIGHTING NLA-1880 TIVOI SOFT AISLE TITANIUM	L3		
L4	4" ROUND LED DOWNLIGHT, SELF-FLANGED TRIM, WIDE DISTRIBUTION (75"), 0-10V DIMMING.	120 V	LED	4,000 LM	42 W	3500 K	RECESSED IN DRYWALL	SEMI-SPECULAR CLEAR	ES	PORTFOLIO LD48 PRESCOLITE LTR-4RD GOTHAM EVO	L4		
L5	5" DIAMETER SPHERICAL LED PENDANT, 0-10V DIMMING DRIVER, BLACK FINISH.	120 V	LED	500 LM	6 W	2700 K	SURFACE / CEILING	FROSTED CURVED ACRYLIC	N/A	OCL GR1-P1CF CAMMAN P9346-5	L5		
L6	DECORATIVE CHANDELIER, OPAL GLASS GLOBES, BRASS FINISH, DIMMABLE, (25) 5 WATT, G9 PIN LAMPS.	120 V	(25) G9 PIN, 5 WATT MAX.	9,000 LM	125 W	2700 K	SURFACE / CEILING	OPAL GLASS	N/A	VISUAL COMFORT & CO. 700LSVGO PROVIDE AN ALLOWANCE OF \$2,840 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L6		
L7	15" WIDE DECORATIVE WALL SCONCE, WHITE GLASS SHADE, ANTIQUE BRASS FINISH, (2) 8W A LAMPS, DIMMABLE.	120 V	LED	1,500 LM	16 W	3000 K	SURFACEWALL	WHITE GLASS	N/A	VISUAL COMFORT SIENA SS 2002HAB-WG PROVIDE AN ALLOWANCE OF \$900 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L7		
L8	4" LENSED LED STRIP LIGHT, 0-10V DIMMING, WHITE FINISH.	120 V	LED	5,400 LM	45 W	3500 K	SURFACE MOUNTED	SEMI-FROSTED LENS	N/A	METALLUX SNLED COLUMBIA MPS LITHONIA ZL1D	L8		
L8E	4" LENSED LED STRIP LIGHT, 0-10V DIMMING, WHITE FINISH, INTEGRAL BATTERY INVERTER, 0-10V DIMMING.	120 V	LED	5,400 LM	45 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALLUX SNLED COLUMBIA MPS LITHONIA ZL1D	L8E		
L9	4" LENSED LED STRIP LIGHT, 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	3,000 LM	27 W	3500 K	SURFACEWALL	SEMI-FROSTED CURVED LENS	N/A	METALLUX SNLED COLUMBIA MPS LITHONIA CLX	L9		
L10	LED RETROFIT HOUSE LIGHT, LINE VOLTAGE DIMMING, E11 1-3/4" BASE, SAFETY CABLE.	120 V	LED	6024 LM	49 W	3000 K	RECESSED IN DRYWALL	SHORT 70	ES	CANTO RETRO-FUSION 500 R500-F PROVIDE AN ALLOWANCE OF \$1,000 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L10		
L11	LED RETROFIT HOUSE LIGHT, LINE VOLTAGE DIMMING, E26 BASE, SAFETY CABLE, DIFFUSER.	120 V	LED	2217 LM	15 W	3000 K	RECESSED IN DRYWALL	SHORT 74	ES	CANTO RETRO-FUSION 160 R160 TALL-F PROVIDE AN ALLOWANCE OF \$800 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L11		
L12	6" MICRO PROFILE LED FIXTURE, WHITE FINISH, 0-100% DIMMING.	120 V	LED	588 LM	6 W	3000 K	SURFACE MOUNTED, HINGE	120 DEGREE OPTIC, CLEAR LIGHT DIFFUSE, NO REFLECTOR	N/A	BOCA FLASHER NANOLUME PROVIDE AN ALLOWANCE OF \$600 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L12		
L13	STAGE EDGE LED LIGHT, 12" LED SPACING, COORDINATE LENGTH IN FIELD, DMX DIMMING.	120/277 V	LED	N/A	1 W	2700 K	RECESSED IN FLOOR	CLEAR LENS	N/A	FUTURE LIGHT INC. EDGE-LYTE CALI AL550T-C TIVOI STAGE EDGE (STEG)	L13		
L14	4"x4" EXTRUDED ALUMINUM LED, 0-10V DIMMING.	120 V	LED	2500 LM	26 W	2700 K	RECESSED IN DRYWALL	FLAT WHITE ACRYLIC LENS	N/A	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L14		
L15	4" LENSED LED STRIP LIGHT, 0-10V DIMMING, WHITE FINISH.	120 V	LED	5,400 LM	45 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALLUX SNLED COLUMBIA MPS LITHONIA ZL1D	L15		
L16	FRONT OF HOUSE STAIR LIGHT FIXTURE, PAR RGBL, BLACK FINISH, 20A TWIST LOCK PLUG, SAFETY CABLE.	120 V	LED	5708 LM	50 W	NA	C-CLAMP	CLEAR LENS	N/A	ETO COLORSOURCE SPOT JR. CSSPOTJR2550 PROVIDE AN ALLOWANCE OF \$1,500 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L16		
L17	DECORATIVE THREE-LAMP VANITY, VINTAGE BRASS FINISH.	120 V	LED	1,000 LM	15 W	3000 K	SURFACEWALL	OPAL GLASS	N/A	ALORA WV320323VB PROVIDE AN ALLOWANCE OF \$485 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L17		
L18	LED WALL LIGHT, DIE-CAST ALUMINUM HOUSING, DARK BRONZE FINISH, U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	2,000 LM	15 W	4000 K	SURFACEWALL	TYPE III DISTRIBUTION	DLC	BEACON RW11 SPOTZER W/PER LITHONIA WST	L18		
L19	LED WALL LIGHT, DIE-CAST ALUMINUM HOUSING, DARK BRONZE FINISH, U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	4,500 LM	37 W	4000 K	SURFACEWALL	TYPE III DISTRIBUTION	DLC	BEACON RW11 LUMINA AXC54 LITHONIA WST	L19		
L20E	24" EXTERIOR SURFACE MOUNTED EXTRUDED ALUMINUM LED FIXTURE, U.L. LISTED WET LOCATION, BRONZE FINISH, REMOTE MICRO INVERTER OPERATING 25W LOAD FOR 90 MINUTES.	120/277 V	LED	900 LM	10 W	4000 K	SURFACEWALL	DIFFUSED POLYCARBONATE	N/A	LUMINAIRE AEL24 PROVIDE AN ALLOWANCE OF \$1,032 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L20E		
L21E	72" EXTERIOR SURFACE MOUNTED EXTRUDED ALUMINUM LED FIXTURE, INTEGRAL BATTERY INVERTER, U.L. LISTED WET LOCATION, BRONZE FINISH, SELF-TESTING, SELF-CONTAINED 90 MINUTE EMERGENCY BATTERY PACK.	120/277 V	LED	3,000 LM	30 W	4000 K	SURFACEWALL	DIFFUSED POLYCARBONATE	N/A	LUMINAIRE AEL72 PROVIDE AN ALLOWANCE OF \$1,697 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L21E		
L22	DECORATIVE CEILING FLUSH MOUNT FIXTURE, OPAL GLASS GLOBES, BRASS FINISH, DIMMABLE, (5) 5 WATT, G9 PIN LAMPS.	120/277 V	(5) G9 PIN, 5 WATT MAX.	1,960 LM	25 W	2700 K	SURFACE / CEILING	OPAL GLASS	N/A	VISUAL COMFORT & CO. 700LSVGO PROVIDE AN ALLOWANCE OF \$690 PER FIXTURE FOR MATERIAL ONLY, ADD LABOR REQUIRED FOR INSTALLATION.	L22		
L23	2X2 LED FLAT PANEL, 0-10V DIMMING, SELECTABLE COLOR TEMPERATURE AND LUMEN OUTPUT, SET TO 3500K AND 2,500 LM.	120/277 V	LED	2,500/3,200/4,000 LM SELECTABLE	40 W	3500K/4000K/5000K SELECTABLE	RECESSED IN GRID	SATIN WHITE	DLC	METALLUX CGTS COLUMBIA CBT LITHONIA CPX	L23		
X1W	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE, STENCIL FACE, GREEN LETTERS, SELF-POWERED, NICKEL-CADMIUM BATTERY, SELF-DIAGNOSTIC/SELF-TESTING MODULE.	120 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES CX DUAL-LITE SE LITHONIA LE	X1W		
X2C	LED GLASS EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE, GREEN LETTERS, SELF-POWERED, NICKEL-CADMIUM BATTERY, SELF-DIAGNOSTIC/SELF-TESTING MODULE.	120 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES EUR DUAL-LITE LESC LITHONIA EDGR	X2C		
X2W	LED GLASS EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE, GREEN LETTERS, SELF-POWERED, NICKEL-CADMIUM BATTERY, SELF-DIAGNOSTIC/SELF-TESTING MODULE.	120 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES EUS DUAL-LITE LESC LITHONIA EDG	X2W		

263323.1 - CENTRAL BATTERY EQUIPMENT FOR EMERGENCY LIGHTING SCHEDULE										
LABEL	LOCATION		EQUIPMENT RATINGS				INPUT/OUTPUT CIRCUIT		ACCESSORIES	REMARKS
	NUMBER	NAME	VOLTAGE	MINIMUM OUTPUT FOR 90-MINUTES (WVA)	MOUNT	NEMA ENCL	PANEL	CIRCUIT		
MI-1	006	ELECTRICAL	120/277V	220	SURFACE	1	LPD	23	SELF-DIAGNOSTICS OVERRIDE FOR 0-10V DIMMING SYSTEM	

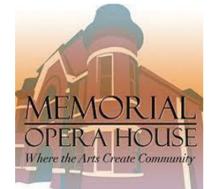
262913.1 - LIGHTING CONTACTORS SCHEDULE												
LABEL	LOCATION		EQUIPMENT RATINGS				COIL CIRCUIT			CONTROL	CIRCUIT(S) CONTROLLED	REMARKS
	NUMBER	NAME	VOLTAGE	AMPERAGE	POLES	NEMA ENCL	ACCESSORIES	VOLTAGE	PANEL			
LC-1	006	ELECTRICAL	600 V	30 A	8	NEMA 1	H-O-A PILOT LIGHT DDC INTEGRATION	120 V	LPD	14	PHOTOCELL LOCATED ON ROOF	

104 Indiana Ave, Valparaiso, IN 46383



KEY PLAN

PORTER COUNTY BOARD OF COMMISSIONERS



MEMORIAL OPERA HOUSE - MAIN PACKAGE - MAIN PACKAGE

LIGHTING SCHEDULES

E-603.2

44822 - 01/20/2023
 PORTER COUNTY BOARD OF COMMISSIONERS, MEMORIAL OPERA HOUSE - MAIN PACKAGE
 ELECTRICAL SCHEDULES
 PROJECT NO. 2023-084.RMO, SHEET 12 OF 14
 DATE: 12/01/2023

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262816.1 - ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE												
LABEL	LOCATION		EQUIPMENT SERVED	EQUIPMENT RATINGS					ACCESSORIES			REMARKS
	NUMBER	NAME		VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL.	AUX. CONTACTS	SOLID NEUTRAL	
DS-1			CH-1	240 V	3	200 A	Yes	200 A	3R	(1) N.O. / N.C.	No	
DS-2	010	BOILER ROOM	B-1	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	Yes	
DS-3	010	BOILER ROOM	B-2	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	Yes	
DS-4	010	BOILER ROOM	EX. DWH	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	Yes	
DS-5	011	PUMP ROOM	GF-1	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	Yes	
DS-6			ODU-1	208V	2	30 A	Yes	20 A	3R	(1) N.O. / N.C.	No	
DS-7	006	ELECTRICAL	SS-1	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	No	
DS-8			ODU-2	208V	2	30 A	Yes	20 A	3R	(1) N.O. / N.C.	No	
DS-9	001	CORRIDOR	SS-2	208V	2	30 A	Yes	20 A	1	(1) N.O. / N.C.	No	

262913/262923.1 - ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE													
LABEL	LOCATION		EQUIPMENT SERVED	EQUIPMENT RATINGS				STARTER		DISCONNECT SWITCH		REMOTE CAPACITOR	REMARKS
	NUMBER	NAME		VOLTAGE	PHASE	HP	FLA	NEMA ENCL.	TYPE	NEMA SIZE	TYPE		
MS-1			AHU-1 SF	208 V	3	10	32.2 A	1	VFD	-	-	-	FURNISHED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
MS-2	011	PUMP ROOM	CHWP-1	208 V	3	5	17.5 A	-	VFD	-	-	-	FURNISHED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
MS-3	011	PUMP ROOM	CHWP-2	208 V	3	5	17.5 A	-	VFD	-	-	-	FURNISHED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
MS-4	010	BOILER ROOM	HHWP-1	208 V	3	5	17.5 A	-	VFD	-	-	-	FURNISHED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
MS-5	010	BOILER ROOM	HHWP-1	208 V	3	5	17.5 A	-	VFD	-	-	-	FURNISHED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR.
MS-6			CP-1	120 V	1	1/2	9.8 A	1	MSS	-	-	-	FRACTIONAL HORSEPOWER RATED MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS.
MS-7	010	BOILER ROOM	HWCP-1	120 V	1	1/12	1.6 A	1	MSS	-	-	-	FRACTIONAL HORSEPOWER RATED MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS.
MS-8	010	BOILER ROOM	EF-5	120 V	1	1/4	0.7 A	1	MSS	-	-	-	FRACTIONAL HORSEPOWER RATED MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS.
MS-9			EF-2	120 V	1	1/12	1.6 A	1	MSS	-	-	-	FRACTIONAL HORSEPOWER RATED MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS.
MS-10			EF-3	120 V	1	1/12	1.6 A	1	MSS	-	-	-	FRACTIONAL HORSEPOWER RATED MANUAL TOGGLE SWITCH WITH THERMAL OVERLOADS.

262719.1 - MULTI-OUTLET ASSEMBLIES							
LABEL	DESCRIPTION	ELECTRICAL REQUIREMENTS			TELECOM REQUIREMENTS		REMARKS
		P	N	G	POWER	DATA	
FB1	6-GANG FLOOR BOX	1	1	1	(2) DUPLEX RECEPTACLES	(1) 2-PORT DATA OUTLET	REFER TO EL101 AND THEATER RISER.



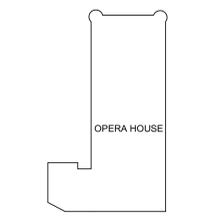
Project No. 2023-084.RMO
 Project Date 12.01.2023
 Produced EAG



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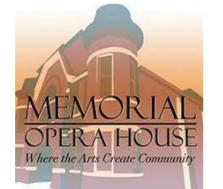
#	Revision	Date
A1	Addendum #1	12.15.2023

104 Indiana Ave.
 Valparaiso, IN 46383



KEY PLAN

PORTER COUNTY BOARD OF COMMISSIONERS



MEMORIAL OPERA HOUSE - MAIN PACKAGE - MAIN PACKAGE

EQUIPMENT SCHEDULES

E-604.2

604.2 - EQUIPMENT SCHEDULES
 PORTER COUNTY BOARD OF COMMISSIONERS, MEMORIAL OPERA HOUSE - MAIN PACKAGE
 PROJECT NO. 2023-084.RMO, SHEET E-604.2
 12/01/2023

NEW BRANCH PANELBOARD SCHEDULE

DESIGNATION: LPB
LOCATION: Space 122
MOUNTING: SURFACE
SUPPLY FROM: MDP

VOLTS: 208Y/120 V
PHASES: 3
WIRES: 4
AIC RATING: 10,000 A

MAINS RATING: 225 A
MAINS TYPE: MCB
MCB RATING: 100 A

CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	B	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	
1	EXISTING	20 A	1	0.00	0.00					20 A	EXISTING	2	
3	EXISTING	20 A	1		0.00	0.00				20 A	EXISTING	4	
5	EXISTING	20 A	1				0.00	0.00		20 A	EXISTING	6	
7	EXISTING	20 A	1	0.00	0.00					20 A	EXISTING	8	
9	EXISTING	20 A	1		0.00	0.00				20 A	EXISTING	10	
11	EXISTING	20 A	1			0.00	0.00			20 A	EXISTING	12	
13	EXISTING	20 A	1	0.00	0.00					20 A	EXISTING	14	
15	EXISTING	20 A	1			0.00	0.00			20 A	EXISTING	16	
17	EXISTING	20 A	1				0.00	0.00		20 A	EXISTING	18	
19	STAGE FLOOR BOX	RECEPT	20 A	1	0.18	0.36				20 A	RECEPT	20	
21	STAGE FLOOR BOX	RECEPT	20 A	1		0.18	0.36			20 A	RECEPT	22	
23	STAGE FLOOR BOX	RECEPT	20 A	1			0.18	0.36		20 A	RECEPT	24	
25	STAGE FLOOR BOX	RECEPT	20 A	1	0.18	0.36				20 A	RECEPT	26	
27	STAGE LEFT AUDIO	RECEPT	20 A	1		0.36	0.36			20 A	RECEPT	28	
29	STAGE LEFT AUDIO	RECEPT	20 A	1			0.36	0.36		20 A	RECEPT	30	
31	STAGE LEFT AUDIO	RECEPT	20 A	1	0.36	0.36				20 A	RECEPT	32	
33	STAGE LEFT AUDIO	RECEPT	20 A	1		0.36	0.36			20 A	RECEPT	34	
35	STAGE LEFT	RECEPT	20 A	1			0.18	0.36		20 A	RECEPT	36	
37	STAGE LEFT	RECEPT	20 A	1	0.18	0.36				20 A	RECEPT	38	
39	STAGE SW CORNER	RECEPT	20 A	1		0.36	0.36			20 A	RECEPT	40	
41	STAGE SW CORNER	RECEPT	20 A	1			0.36	0.36		20 A	RECEPT	42	
43	STAGE SW CORNER	RECEPT	20 A	1	0.36	0.36				20 A	RECEPT	44	
45	STAGE SW CORNER	RECEPT	20 A	1		0.36	0.36			20 A	RECEPT	46	
47	EXTERIOR EAST LOBBY EXITS	LIGHTING	20 A	1			0.01	0.18		20 A	RECEPT	48	
49	HOUSE / STAGE EXITS, BATT...	LIGHTING	20 A	1	0.04	0.18				20 A	RECEPT	50	
51	SPARE	20 A	1		0.00	0.18				20 A	RECEPT	52	
53	SPARE	20 A	1			0.00	0.18			20 A	RECEPT	54	
TOTAL LOAD:					3.28 kVA	3.60 kVA	2.89 kVA						
TOTAL AMPS:					28 A	31 A	24 A						
TOTAL CONNECTED LOAD:					9.77 kVA						9.78 kVA	TOTAL DEMAND LOAD:	
TOTAL CONNECTED AMPS:					31 A						27 A	TOTAL DEMAND AMPS:	

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)

C	CONTACTOR CONTROLLED	Receptacle - General	9720 VA	100.00%	9720 VA
G	GFCI PROTECTED	Lighting - Interior	50 VA	100.00%	63 VA
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSI				

NOTES:

NEW BRANCH PANELBOARD SCHEDULE

DESIGNATION: LPC
LOCATION: BOILER ROOM 010
MOUNTING: SURFACE
SUPPLY FROM: MDP

VOLTS: 208Y/120 V
PHASES: 3
WIRES: 4
AIC RATING: 10,000 A

MAINS RATING: 100 A
MAINS TYPE: MLO

CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	B	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	
S 1	B-2	MOTOR	20 A	1	1.56	0.09				20 A	LIGHTING	2	
S 3	B-1	MOTOR	20 A	1		1.56	0.52			20 A	LIGHTING	4	
S 5	GF-1	POWER	20 A	1			0.12	0.55		20 A	LIGHTING	6	
7	SPARE	20 A	1	0.00	0.00					20 A	EXISTING	8	
9	RECEPTS, AHU 1 AND CU 1	20 A	1		0.00	0.86				20 A	RECEPT	10	
11	EXISTING	20 A	1				0.00	1.18		20 A	MOTOR	12	
13	TCPs	POWER	20 A	1	0.72	0.19				20 A	MOTOR	14	
15	EXISTING OUTSIDE OUTLET	20 A	1			0.00	0.38			20 A	MOTOR	16	
17	EXTERIOR SIGNAGE LTG	LIGHTING	20 A	1			0.50	0.96		20 A	HEAT	18	
19	HHWP-1	MOTOR	25 A	3	2.10	1.16				20 A	MOTOR	20	
21	--	--	--	--	--	2.10	0.50			20 A	RECEPT	22	
23	--	--	--	--	--		2.10	0.18		20 A	EPO	24	
25	HHWP-2	MOTOR	25 A	3	0.00	0.18				20 A	RECEPT	26	
27	--	--	--	--	--	0.00	0.00			20 A	SPARE	28	
29	--	--	--	--	--		0.00	0.00		20 A	SPARE	30	
31	CHWP-1	MOTOR	25 A	3	2.10	0.00				20 A	SPARE	32	
33	--	--	--	--	--		2.10	0.00		20 A	SPARE	34	
35	--	--	--	--	--			2.10	0.00	20 A	SPARE	36	
37	CHWP-2	MOTOR	25 A	3	0.00	0.00				20 A	SPARE	38	
39	--	--	--	--	--		0.00	0.00		20 A	SPARE	40	
41	--	--	--	--	--			0.00	0.00	20 A	SPARE	42	
TOTAL LOAD:					8.10 kVA	8.02 kVA	7.69 kVA						
TOTAL AMPS:					68 A	67 A	64 A						
TOTAL CONNECTED LOAD:					23.81 kVA						23.83 kVA	TOTAL DEMAND LOAD:	
TOTAL CONNECTED AMPS:					88 A						66 A	TOTAL DEMAND AMPS:	

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)

C	CONTACTOR CONTROLLED	Receptacle - General	2260 VA	100.00%	2260 VA
G	GFCI PROTECTED	Lighting - Interior	1062 VA	125.00%	1328 VA
G	GFCI PROTECTED	Lighting - Exterior	50 VA	100.00%	50 VA
P	HANDLE LOCKING DEVICE	Mechanical - Motor	18757 VA	100.00%	18757 VA
S	SHUNT TRIP	Mechanical - Heating	960 VA	75.00%	720 VA
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI	Power - Continuous	180 VA	100.00%	180 VA
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI	Power - Continuous	500 VA	100.00%	500 VA
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSI	Power - Continuous	500 VA	100.00%	500 VA

NOTES:

EXISTING BRANCH PANELBOARD SCHEDULE

DESIGNATION: LPD
LOCATION: ELECTRICAL 006
MOUNTING: SURFACE
SUPPLY FROM: MDP

VOLTS: 120/208 V
PHASES: 1
WIRES: 3
AIC RATING: 10,000 A

MAINS RATING: 200 A
MAINS TYPE: MLO

CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	B	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	
1	EX. WORK LIGHT	20 A	1	0.00	0.00					20 A	EX. CIRCUIT	2	
3	EX. WORK LIGHT	20 A	1			0.00	0.00			20 A	EX. CIRCUIT	4	
5	EX. CIRCUIT	20 A	1	0.00	0.00					20 A	EX. CIRCUIT	6	
7	EX. CIRCUIT	20 A	1		0.00	0.00	0.00	0.00		20 A	EX. CIRCUIT	8	
9	EX. CIRCUIT	20 A	1	0.00	2.25					30 A	DRYER	10	
11	EX. CIRCUIT	20 A	1		0.00	2.25				20 A	STORAGE 000	12	
13	SPARE - NOTE 1	20 A	1	0.00	0.25					20 A	LC-1	14	
15	SPARE - NOTE 1	20 A	1			0.00	0.16			20 A	LIGHTING	16	
17	ELECTRICAL 006 - NOTE 1	NETWORK	20 A	1	0.36	1.56				20 A	ODU/SS-1	18	
19	STORAGE 105 - NOTE 1	FCU-2	20 A	1			1.28	1.56		20 A	FCU-1	20	
21	EXTERIOR - NOTE 1	RECEPT	20 A	1	0.18	1.56				20 A	ODU/SS-2	22	
23	ELECTRICAL 006 - NOTE 1	MI-1	20 A	1		0.29	1.56			--	--	24	
TOTAL LOAD:					6.16 kVA	7.10 kVA							
TOTAL AMPS:					59 A	67 A							
TOTAL CONNECTED LOAD:					13.26 kVA						13.29 kVA	TOTAL DEMAND LOAD:	
TOTAL CONNECTED AMPS:					67 A						64 A	TOTAL DEMAND AMPS:	

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)

C	CONTACTOR CONTROLLED	Receptacle - General	5040 VA	100.00%	5040 VA
G	GFCI PROTECTED	Lighting - Exterior	338 VA	100.00%	338 VA
G	GFCI PROTECTED	Mechanical - Motor	7524 VA	100.00%	7524 VA
P	HANDLE LOCKING DEVICE	Mechanical - Motor	250 VA	100.00%	250 VA
S	SHUNT TRIP	LI	109 VA	125.00%	137 VA
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI				
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSI				

NOTES:

PANELBOARD ABBREVIATIONS

#	NOTES
FTL	FEED THROUGH LUGS
MCB	MAIN CIRCUIT BREAKER
MFS	MAIN FUSED SWITCH
MLO	MAIN LUGS ONLY
SFL	SUB-FEED LUGS
SPD	SURGE PROTECTION DEVICE

SWITCHBOARD/PANELBOARD NOTES

#	NOTES
A	VERIFY SIZE AND QUANTITY OF LUGS REQUIRED PER ONE-LINE DIAGRAM.
B	VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.
C	VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.
D	CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.
E	MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS) ABBREVIATIONS

#	NOTES
C	CONTACTOR CONTROLLED
G	GFCI PROTECTED
P	HANDLE LOCKING DEVICE
S	SHUNT TRIP
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSI

EXISTING POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: MDP
LOCATION: ELECTRICAL 006
MOUNTING: SURFACE
SUPPLY FROM: MDP

VOLTS: 208Y/120 V
PHASES: 3
WIRES: 4
AIC RATING: 10,000 A

MAINS RATING: 800 A
MAINS TYPE: MCB
MCB RATING: 800 A

CKT NO.	CIRCUIT ROOM #	CIRCUIT TYPE	TRIP	P	A	B	C	P	TRIP	CIRCUIT TYPE	CIRCUIT ROOM #	CKT NO.	
1	SPARE	20 A	3	0.00	0.00					30 A	SPARE	4	
3	SPARE	20 A	3	0.00	0.00					100 A	EX. STAGE PANEL	8	
5	SPARE	30 A	3	0.00	0.00					100 A	EX. CLU-2	14	
7	SPARE	100 A	2	0.00	0.00					3	60 A	EX. CLU-2	14
9	ADP - NOTE 1	PANEL	60 A	3	1.29	8.10				3	100 A	LPC - NOTE 1	18
11	SPARE	100 A	2	0.00	0.00					1	60 A	EX. CLU-2	14
13	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	32
15	SPARE	100 A	2	0.00	0.00					2	100 A	PANEL	26
17	SPARE	100 A	2	0.00	0.00					2	100 A	PANEL	28
19	ADP - NOTE 1	PANEL	60 A	3	1.29	8.10				3	100 A	LPC - NOTE 1	18
21	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	32
23	SPARE	100 A	2	0.00	0.00					2	100 A	PANEL	26
25	SPARE	100 A	2	0.00	0.00					2	100 A	PANEL	28
27	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	32
29	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	34
31	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	36
33	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	38
35	SPARE	100 A	2	0.00	0.00					3	100 A	PANEL	40
37	AHU-1 - NOTE 1	80 A	3	3.87	5.36					3	100 A	PANEL	38
39	SPARE	80 A	3	3.87	5.36					3	100 A	PANEL	40
41	SPARE	80 A	3	3.87	5.36					3	100 A	PANEL	42
43	SPARE	80 A	3	3.87	5.36					3	100 A	PANEL	44
45	SPARE	80 A	3	3.87	5.36					3	100 A	PANEL	46
47	SPARE	80 A	3	3.87	5.36					3	100 A	PANEL	48
49	SITE - NOTE 1	CH-1	200 A	3	21.86								