ADDENDUM NO. 3

July 3, 2024

IPS Broad Ripple MS 717; Middle School Renovations
1115 Broad Ripple Ave.
Indianapolis, IN 46220

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 April 15, 2024, by Meticulous Design + Architecture. 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 Pages ADD 3-1, and attached Lancer Associates Architecture Addendum No. 3 dated July 2, 2024, consisting of two (2) pages, and attached Creative Engineering Solutions Addendum 3 dated July 2, 2024, consisting of one (1) pages and Addendum Drawings: M606, E101F, E102D, E102F, E607, and ED1F.

ADDENDUM NO. 3

PROJECT:	**Indianapolis Public Schools** **Broad Ripple MS 717 Renovation**
PROJECT #:	**23126**
DATE:	**July 2, 2024**

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

MEP Engineering Revisions

Reference the attached Addendum No. 3 from Creative Engineering Solutions, dated 07/02/2024. Attachments include revised drawings.

Bidder Questions:

Note – Other bidder questions are responded to in the CES Addendum No. 2 document.

1. **Question:** No specs for corner guards could be located. Will this be provided?

   Response: The general note on corner guards is erroneous. No corner guards required as part of the project scope.

2. **Question:** No specs could be located for the added hooks noted on the architectural demo drawings. Will this be provided?

   Response: These notes specifically address new restrooms. Since there are no new restrooms in the project scope, there are no hooks required in the scope of the project.

3. **Question:** On existing equipment (FACUs, AHUs, VAVs, Etc.), does new control wiring need to be run to end devices or can existing wiring be reused (for thermostats, sensors, etc.)? There appears to be discrepancy between notes on the mechanical sheets and the specification. For example, Note 5 on Sheet MH3B states, “REMOVE FAN COIL UNIT DDC CONTROLLER, CHILLED WATER TEMPERATURE CONTROL VALVE AND ACUTATOR. PROVIDE NEW DDC

CONTROLLER, CHILLED WATER TEMPERATURE CONTROL VALVE AND ACTUATOR, AND CONTROL WIRE TO NEW DDC CONTROLLER." Specification Section 23 0900 3.7 – Existing Equipment, part A states, "Wiring: The contractor may reuse any abandoned wires. All new wire shall be purple with white stripes. The integrity of the wire and its proper application to the installation are the responsibility of the contractor. The wire shall be properly identified and tested in accordance with this specification. Unused or redundant wiring must be properly identified as such." Please advise.

Response: Addendum #2 clarified this item.

4. **Question:** Is a new BACnet network cabling required?

   Response: Addendum #2 clarified this item.

5. **Question:** Sheet M709 shows a Lab Room Exhaust Evacuation. Which rooms are associated with this?

   Response: Addendum #2 clarified this item.

6. **Question:** We got Addendum #2 and question #5 from the bidder questions is still unclear. I understand on demo risers that the feeder is removed on sheet E601 – E603. However, do we demo out conduit and wire and put back in new conduit and wire or is it only demo wire and put back new wire?

   Response: Demo conduit and wire and put back new.

Attachments:

Addendum #3 for MEP from Creative Engineering Solutions – dated 07/02/2024, one (1) page.

CES Addendum #3 drawings:

Dwg:	M606	MECHANICAL SCHEDULES	Rev. 3, 07/02/24, Adm. #03
Dwg:	E101F	FIRST FLOOR ELECTRICAL PLAN-UNIT F	Rev. 3, 07/02/24, Adm. #3
Dwg:	E102D	SECOND FLOOR AND MEZZ. ELEC. PLAN-UNIT D	Rev. 3, 07/02/24, Adm. #3
Dwg:	E102F	SECOND FLOOR ELECTRICLA PLAN-UNIT F	Rev. 3, 07/02/24, Adm. #3
Dwg:	E607	SCHEDULES	Rev. 3, 07/02/24, Adm. #3
Dwg:	ED1F	DEMOLITON FIRST FLOOR ELEC. PLAN-UNIT R	Rev. 3, 07/02/24, Adm #3

creative engineering solutions
mechanical • electrical • plumbing

PROJECT NAME: IPS BROAD RIPPLE MS 717
OWNER NAME: INDIANAPOLIS PUBLIC SCHOOL CORPORATION
CES PROJECT NO. 2023-019.BMS **ARCHITECT PROJECT NO. 23126**
ADDENDUM NO. 3
DATED: 07/02/2024

This Addendum consists of 2 Addendum page(s) and 6 attachment pages totaling 8 pages. This Addendum shall supplement, amend, and become part of the Bid Documents. All Bids shall be based on these modifications. Bidders shall acknowledge the receipt of this addendum on their Bid Form.

PART 1 - CHANGES TO THE PROJECT MANUAL

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

1.1 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)

A. **Section 23 09 00 "DIRECT DIGITAL CONTROL SYSTEMS"**

1. DELETE AND REPLACE Paragraph 3.7.A. as follows:

"Provide all new control wiring. No existing control wiring shall be reused."

PART 2 - CHANGES TO THE DRAWINGS

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

2.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

DRAWING NO.	INDICATE ACTION:
M-SERIES DRAWINGS	
M606	DELETE AND REPLACE
E-SERIES DRAWINGS	
ED1F – DEMOLITION FIRST FLOOR ELECTRICAL PLAN – UNIT F	DELETE AND REPLACE
E101F – FIRST FLOOR ELECTRICAL PLAN – UNIT F	DELETE AND REPLACE
E102D – SECOND FLOOR AND MEZZANINE ELECTRICAL PLAN – UNIT D	DELETE AND REPLACE
E102F – SECOND FLOOR ELECTRICAL PLAN – UNIT F	DELETE AND REPLACE
E607 – SCHEDULES	DELETE AND REPLACE

END OF ADDENDUM NO 3

LIGHTING PLAN NOTES

1 CONNECT BRANCH CIRCUITS THAT WERE MAINTAINED DURING DEMOLITION. REWORK WIRE AND CONDUIT AS REQUIRED. TRACE ALL CIRCUITS AND UPDATE PANELBOARD SCHEDULE. LABEL RECEPTACLES WITH CIRCUIT TAGS. REWORK CMU FOR FLUSH MOUNTED PANELBOARDS AS REQUIRED.

2 CONNECT ALL TUNNEL LIGHTING TO SPARE BREAKER IN PANELBOARD 'SGR'. ALL LIGHTING SHALL BE CONTROLLED TOGETHER.

3 CONNECT EMERGENCY LIGHTING UNIT TO STAIRWELL FIXTURE CIRCUIT. USE SINGLE CHANNEL RACEWAY ON BLOCK WALL FROM CEILING DOWN TO EMERGENCY FIXTURE OR FROM ADJACENT FIXTURE.

4 ALL FEEDERS THAT ARE FUSED LESS THAN 100A WILL BE FED FROM PANELBOARD 'PH1A'. EXTEND WIRE AND CONDUIT AS REQUIRED. SEE PANELBOARD SCHEDULE FOR ADDITIONAL INFORMATION.

5 PROVIDE SURFACE RACEWAY TO NEW FIXTURE. CONNECT TO CIRCUIT SERVING ROOM/AREA AHEAD OF ANY SWITCHING.

6 MOUNT FIXTURE SO THAT IT COVERS THE TWO HOLES LEFT BY DEMOLISHED FIXTURES.

7 REWORK GYP. CEILING FOR NEW FIXTURE DIMENSIONS.

8 PROVIDE SHEET METAL TO FILL IN GAPS THAT OCCUR WHERE THE NEW FIXTURE DOESN'T MATCH THE DEMOLISHED FIXTURE DIMENSIONS. PAINT SHEET METAL TO MATCH CEILING. REWORK GYP CEILING AS REQUIRED.

9 120V CONNECTION FOR DOOR POWER. CONNECT TO SPARE 1P-20A BREAKER IN PANELBOARD 'IP' LOCATED IN UNIT B. COORDINATE EXACT REQUIREMENTS WITH TECHNOLOGY CONTRACTOR.

10 PATCH DRYWALL WHERE DOWN LIGHTS WHERE REMOVED DURING DEMOLITION.

11 MOUNT OCCUPANCY SENSOR AT SAME ELEVATION AS THE JOISTS.

12 MOUNT OCCUPANCY SENSOR AT SAME ELEVATION AS THE BOTTOM OF DUCT WORK.

13 EXISTING AES UTILITY TRANSFORMER FEEDING SWITCHBOARD 'A'.

14 CONNECT GROUND TRIANGLE TO GROUNDING BUS BAR SERVING SWITCHBOARD 'A'. SEE MULTIPLE SERVICE ENTRANCE GROUNDING AND BONDING SCHEMATIC.

15 CONNECT GROUND TRIANGLE TO GROUNDING BUS BAR SERVING SWITCHBOARD 'M'. SEE MULTIPLE SERVICE ENTRANCE GROUNDING AND BONDING SCHEMATIC.

16 PROVIDE NEW HOUSE KEEPING PAD FOR NEW EQUIPMENT.

17 PROVIDE UNISTRUT SUPPORT FOR EQUIPMENT MOUNTING.

18 CONNECT FEEDERS THAT WERE MAINTAINED DURING DEMOLITION TO NEW SWITCHBOARD INDICATED. EXTEND WIRE AND CONDUIT AS REQUIRED. SEE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

19 RECONNECT NEW EQUIPMENT TO CIRCUIT THAT WAS MAINTAINED DURING DEMOLITION.

20 LIGHT FIXTURES WITHIN THIS AREA ARE CONTROLLED BY FIRST FLOOR OCCUPANCY SENSORS.

21 ALL EMERGENCY UNITS SHALL BE NUMBERED PER IPS STANDARDS.

22 EXTEND NEAREST LIGHTING CIRCUIT TO FIXTURE INDICATED.

23 REMOVE CAFETERIA SWITCHING AND CONTACTOR. REWORK CIRCUITS TO PROVIDE CONTINUITY FOR NEW CONTROLS.

24 REPLACE EXISTING FLUORESCENT LAMPS WITH LED TYPE 'A' LAMPS.

25 E.C SHALL INSTALL RETROFIT MODULES AND SAFETY CABLES. E.C. TO PROVIDE NEW SOCKETS FOR LIGHT FIXTURES AS REQUIRED IF CONTINUITY HAS BEEN LOST. THE THEATRICAL LIGHTING DISTRIBUTOR WILL PROVIDE ALL EQUIPMENT NECESSARY TO ACCESS FIXTURES FROM BELOW AND A CREW TO MOVE AND MAINTAIN THE LIFT/ACCESS EQUIPMENT. E.C. TO COORDINATE WITH THEATRICAL LIGHTING DISTRIBUTOR TO PROVIDE A COMPLETE WORKING SYSTEM UTILIZING THE EXISTING DIMMER RACKS, DIMMER MODULES AND LOAD WIRING.

26 NEW FIXTURES TO BE MOUNTED AT THE SAME ELEVATION AS DEMOLISHED FIXTURES.

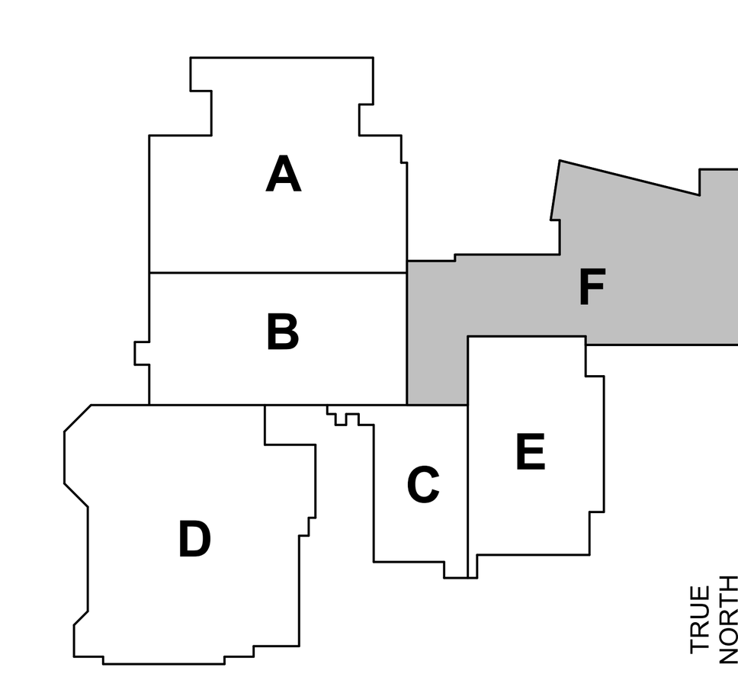
GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E001 FOR ADDITIONAL INFORMATION.

B ALL LIGHT FIXTURES AND SWITCHES WILL BE CONNECTED TO THE EXISTING CIRCUIT SERVING ROOM OR AREA. REUSE EXISTING BACK BOX FOR FIXTURES AND SWITCHES. PROVIDE BLANK COVER PLATES WHERE MULTIPLE GANG BOXES ARE REDUCED TO ONE DEVICE.

C ALL RESTROOM EXHAUST FANS SHALL BE CONTROLLED BY OCCUPANY SENSORS.

1 FIRST FLOOR ELECTRICAL PLAN - UNIT F
1/8" = 1'-0"



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INDIANAPOLIS, IN 462024

IPS BROAD RIPPLE MS 717
MIDDLE SCHOOL RENOVATION
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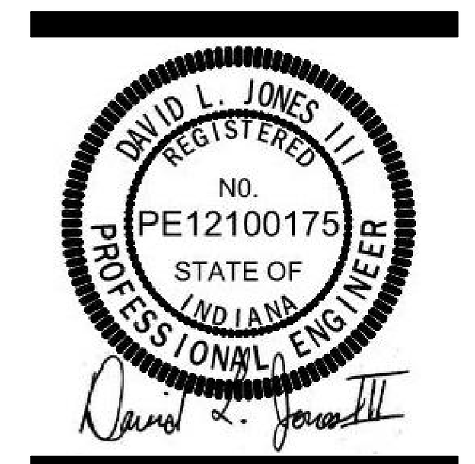
INDIANAPOLIS, IN 46220



REVISIONS:

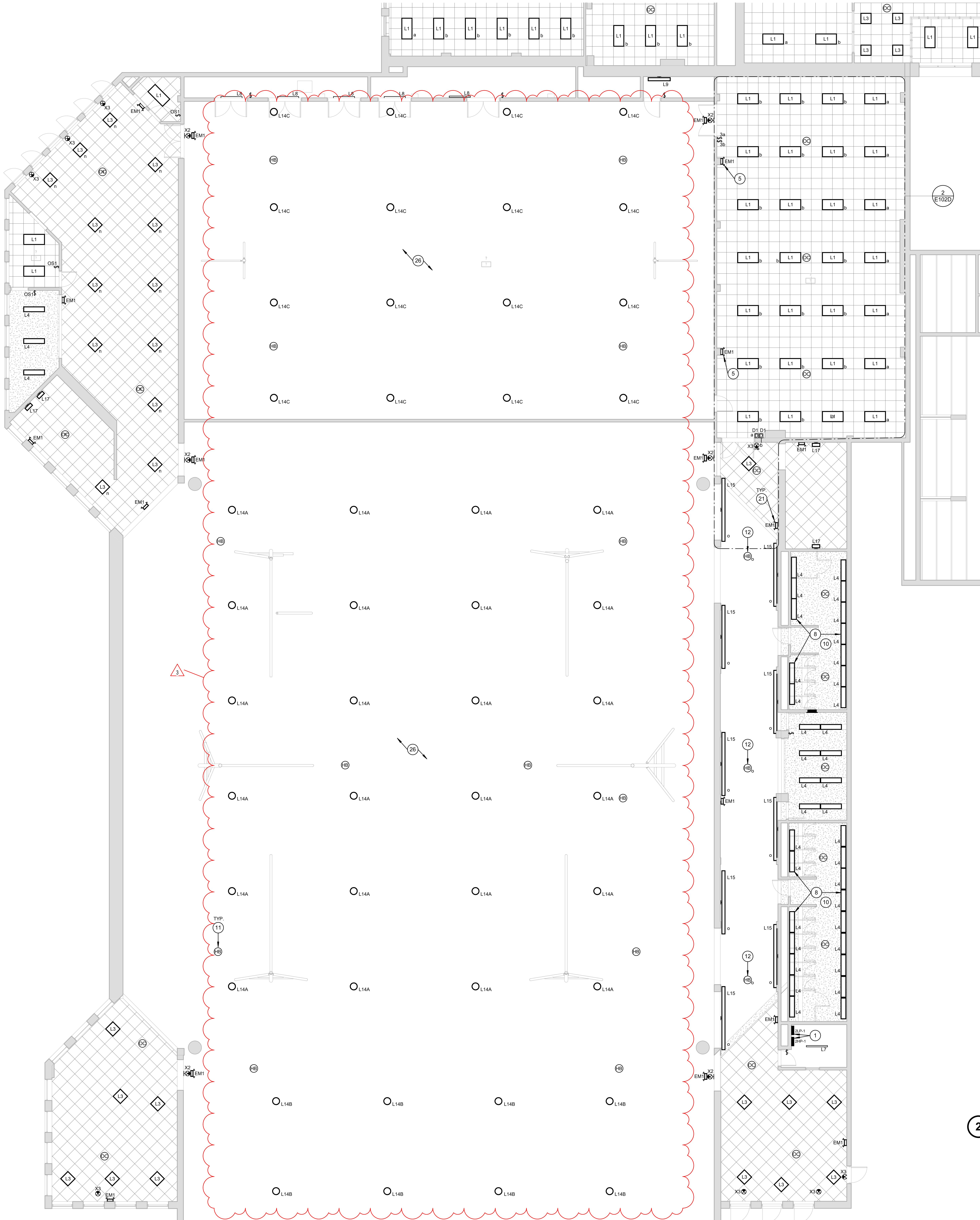
#	Date	Desc.
1	06.14.2024	ADDENDUM #1
2	06.27.2024	ADDENDUM #2
3	07.02.2024	ADDENDUM #3

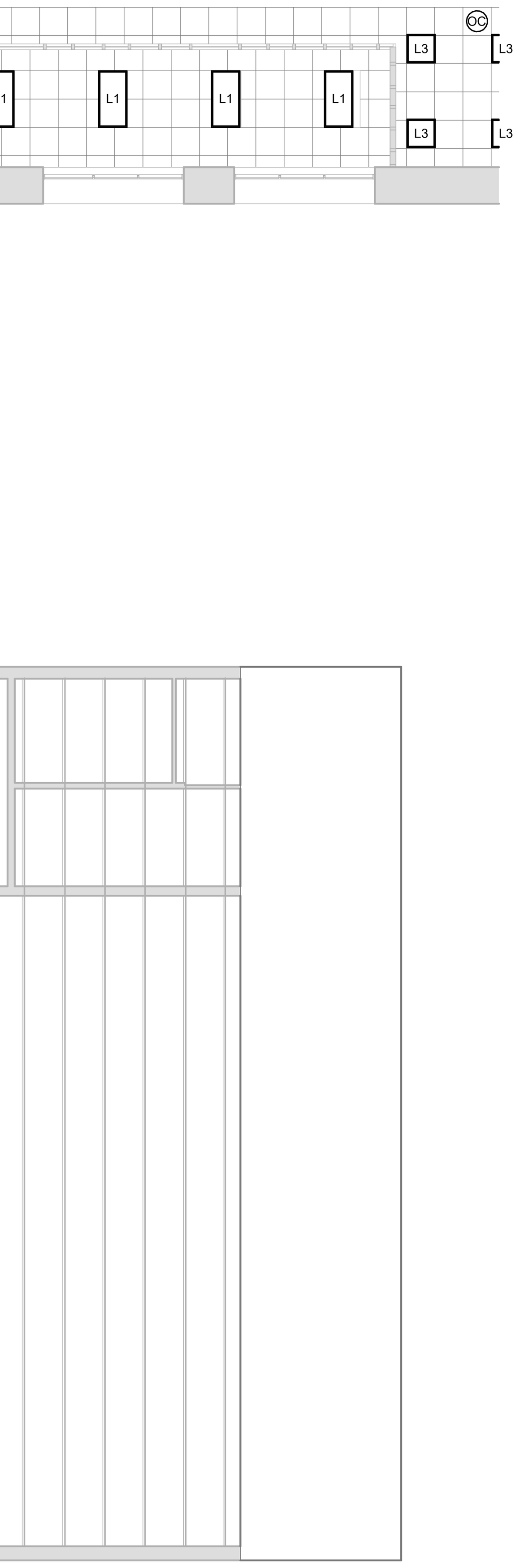
100% CONSTRUCTION DOCUMENT

PROJECT:	#23126
DATE:	05/24/2024
DRAWN BY:	DLJ/MGM

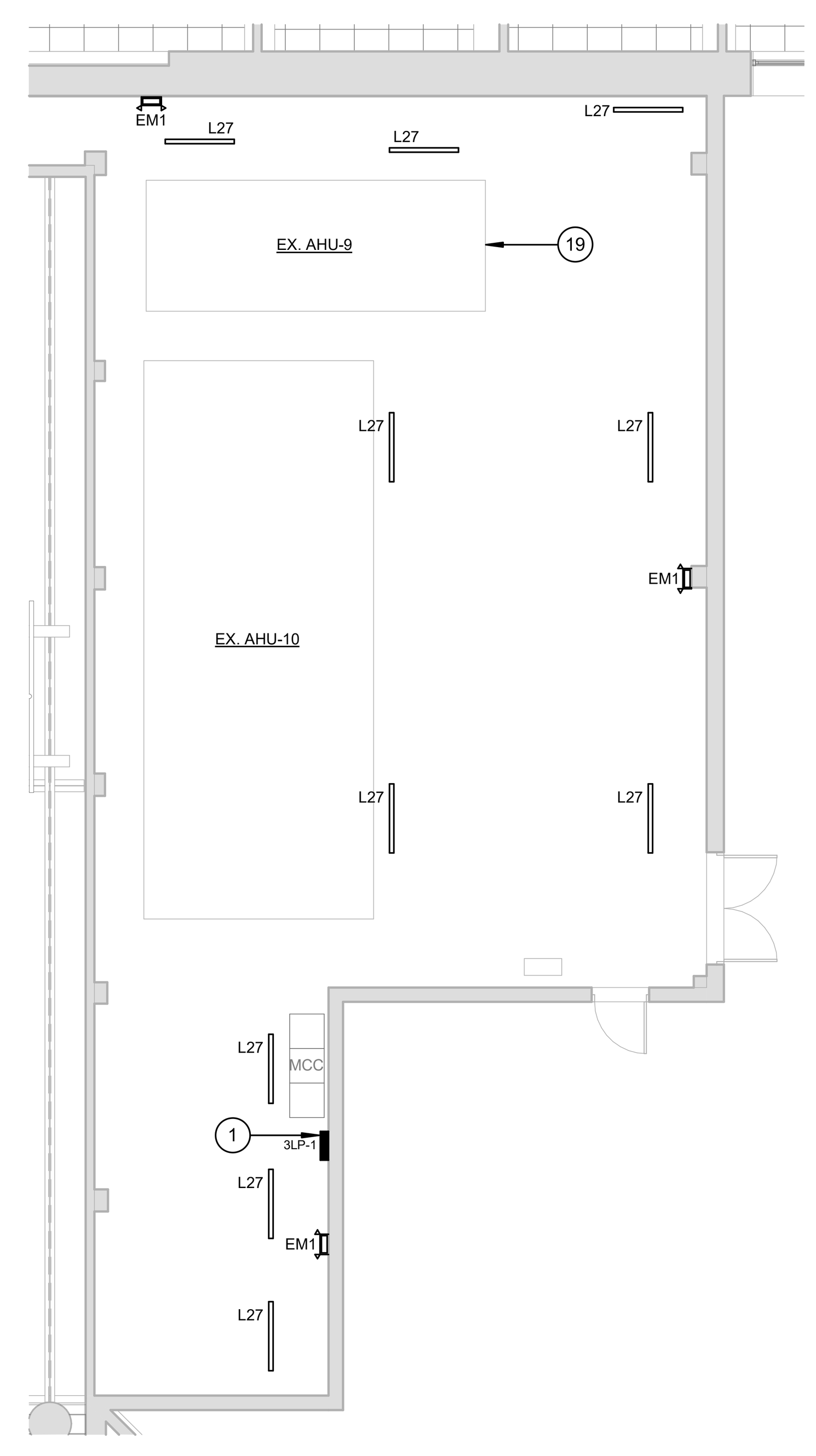
FIRST FLOOR ELECTRICAL PLAN - UNIT F

E101F





1 **SECOND FLOOR ELECTRICAL PLAN - UNIT D**
1/8" = 1'-0"



2 **MEZZANINE ELECTRICAL PLAN - UNIT D**
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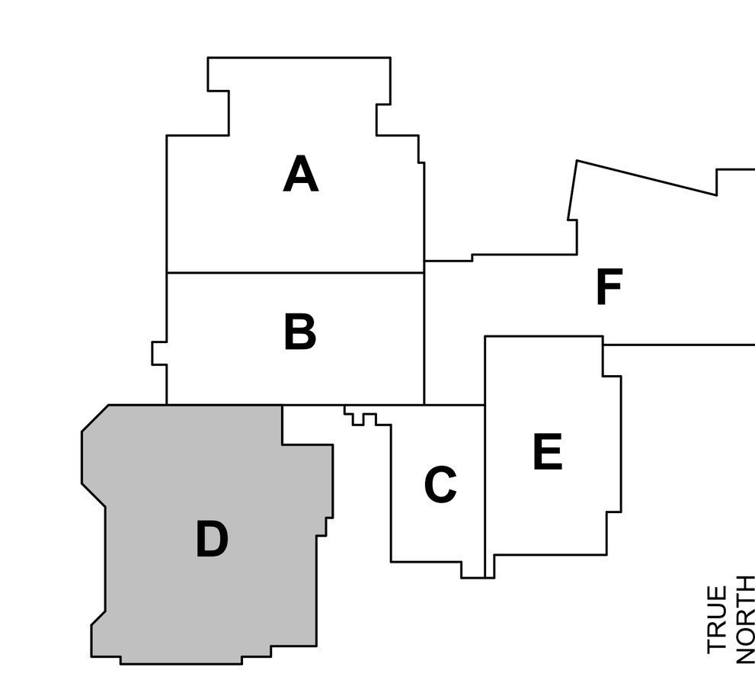
DAVID L. JONES III
REGISTERED
No. PE12100175
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
3	07.02.2024	ADDENDUM #3

100% CONSTRUCTION DOCUMENT

PROJECT: #23126
DATE: 05/24/2024
DRAWN BY: DLJ/MGM



TRUE NORTH

SECOND FLOOR AND MEZZANINE ELECTRICAL PLAN - UNIT D

E102D

◯ LIGHTING PLAN NOTES

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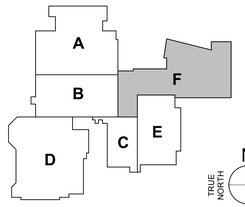

TRUE NORTH

1 **SECOND FLOOR ELECTRICAL PLAN - UNIT F**
1/8" = 1'-0"

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DAVID L. JONES III
REGISTERED
NO
PE12100175
STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
2	06.27.2024	ADDENDUM #2
3	07.02.2024	ADDENDUM #3

100% CONSTRUCTION DOCUMENT

PROJECT: #23126
DATE: 05/24/2024
DRAWN BY: DLJ/MGM

SECOND FLOOR ELECTRICAL PLAN - UNIT F

E102F

PLOT DATE/TIME: 7/2/2024, 12:47:17 PM

LIGHT FIXTURE SCHEDULE

LABEL	DESCRIPTION	VOLTAGE	SOURCE TYPE	SOURCE LUMENS	SOURCE WATTS	SOURCE CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
EM1	LED EMERGENCY LIGHT. 25' ON CENTER COVERAGE. ADJUSTABLE OPTICS. SELF DIAGNOSTIC. WHITE FINISH. SEALED NICKEL CADMIUM BATTERY.	120/277 V	LED	N/A	10 W	N/A	SURFACE/WALL	N/A	N/A	DUAL-LITE EZ-2I Spectron	EM1
L1	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	5,000 LM	40 W	4000 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	LITHONIA CPX	L1
L2	2X4 LED FLAT PANEL. 0-10V DIMMING. PROVIDE SURFACE MOUNT KIT.	120/277 V	LED	3,500 LM	20 W	4000 K	SURFACE/CEILING	WHITE FROST ACRYLIC	DLC	LITHONIA CPX	L2
L3	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	4,600 LM	40 W	4000 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	LITHONIA CPX	L3
L4	1X4 LED VANDAL RESISTANT TROFER. 0-10V DIMMING.	120/277 V	LED	3,000 LM	28 W	4000 K	RECESSED IN GYP	POLYCARBONATE LENS	DLC	LITHONIA VRTL	L4
L5	1X4 LED FLAT PANEL. 0-10V DIMMING. PROVIDE SURFACE MOUNT KIT.	120/277 V	LED	3,000 LM	25 W	4000 K	SURFACE/CEILING	POLYCARBONATE LENS	DLC	LITHONIA CPX	L5
L6	1X4 LED WET LOCATION TROFFER.	120/277 V	LED	3,000 LM	25 W	4000 K	RECESSED IN GYP	POLYCARBONATE LENS	DLC	LITHONIA WRTL	L6
L7	4' LENSED LED STRIP LIGHT. 0-10V DIMMING.	120/277 V	LED	4,000 LM	38 W	4000 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	DLC	LITHONIA CSS	L7
L8	4' LENSED LED STRIP LIGHT. 0-10V DIMMING.	120/277 V	LED	4,000 LM	38 W	4000 K	SURFACE/CEILING/WALL	SEMI-FROSTED LENS	DLC	LITHONIA CSS	L8
L9	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	4000 K	SURFACE/CEILING/WALL	SEMI-FROSTED LENS	DLC	LITHONIA CSS	L9
L10	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	2,600 LM	25 W	4000 K	SURFACE MOUNTED	SEMI-FROSTED LENS	DLC	LITHONIA CSS	L10
L11	2X4 LED VANDAL RESISTANT TROFER. 0-10V DIMMING.	120/277 V	LED	3,000 LM	24 W	4000 K	RECESSED IN GYP	WHITE FROST ACRYLIC	DLC	LITHONIA 2VRTL	L11
L12A	8" LED CYLINDER. BLACK FINISH. WIDE DISTRIBUTION. APPROXIMATE LENGTH OF STEM IS 20'. FIELD VERIFY.	120/277 V	LED	8,000 LM	75 W	4000 K	PENDANT/STEM	SEMI-SPECULAR CLEAR	ES	LITHONIA LDN8	L12A
L12B	8" LED CYLINDER. BLACK FINISH. WIDE DISTRIBUTION.	120/277 V	LED	8,000 LM	75 W	4000 K	SURFACE/CEILING	SEMI-SPECULAR CLEAR	ES	LITHONIA LDN8	L12B
L13	4' LENSED LED STRIP LIGHT. 0-10V DIMMING.	120/277 V	LED	1,500 LM	15 W	4000 K	PENDANT	FLUSH SATIN LENS	DLC	FOCAL POINT FSM4LS FINELITE HP4 PINNACLE EDGE	L13
L14A	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. SAFETY CABLE. 0-10V DIMMING.	120/277 V	LED	27,000 LM	195 W	4000 K	PENDANT/STEM	POLYCARBONATE	DLC	LITHONIA CPRB	L14A
L14B	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. SAFETY CABLE. 0-10V DIMMING.	120/277 V	LED	18,000 LM	132 W	4000 K	PENDANT/STEM	POLYCARBONATE	DLC	LITHONIA CPRB	L14B
L14C	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. SAFETY CABLE. 0-10V DIMMING.	120/277 V	LED	24,000 LM	175 W	4000 K	PENDANT/STEM	POLYCARBONATE	DLC	LITHONIA CPRB	L14C
L15	4" X 4' WALL MOUNTED, LINEAR, DIRECT LED FIXTURE. FLUSH LENS. WHITE FINISH. 0-10V DIMMING. U.L. LISTED WET LOCATION.	120/277 V	LED	3,000 LM	34 W	4000 K	SURFACE/WALL	TEMPERED CLEAR GLASS	N/A	LUMENWERX VIAWETW OCL UA1 SELUX L125	L15
L16	VANDAL RESISTANT STAIRWELL LED WITH INTEGRAL OCCUPANCY SENSOR.	120/277 V	LED	3,779 LM	50 W	4000 K	SURFACE/CEILING	OPAL POLYCARBONATE	DLC	LUMINAIRE ENDEAVOR ESF18	L16
L17	VANDAL RESISTANT STAIRWELL LED WITH INTEGRAL OCCUPANCY SENSOR.	120/277 V	LED	3,779 LM	50 W	4000 K	SURFACE/WALL	OPAL POLYCARBONATE	DLC	LUMINAIRE ENDEAVOR ESF18	L17
L18	LED 13" DIA. SURFACE DOWNLIGHT.	120/277 V	LED	1,800 LM	20 W	4000 K	SURFACE/CEILING	ACRYLIC	ES	JUNO JSF	L18
L19	4' LENSED LED STRIP LIGHT. 0-10V DIMMING WITH WIRE GUARD.	120/277 V	LED	4,000 LM	38 W	4000 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	DLC	LITHONIA CSS	L19
L20	LOW PROFILE LED WRAPAROUND. 0-10V DIMMING.	120/277 V	LED	5,000 LM	25 W	4000 K	SURFACE/CEILING	POLYCARBONATE LENS	DLC	LITHONIA FML4W	L20
L21	1X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	4,500 LM	40 W	4000 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	LITHONIA CPX	L21
L22	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	3,500 LM	30 W	4000 K	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	LITHONIA CPX	L22
L23	LED MIRROR/VANITY FIXTURE WITH LAMPS (E26 BASE/A19 SIZE) AT 6" O.C, FINISH SELECTED BY A/E, FIELD VERIFY EXACT LENGTH, PROVIDE SQUARE WIRE GUARD, UL WET LABEL.	120/277 V	LED	N/A	0 W	2700 K	SURFACE/WALL	HEAT RESISTANT GLASS WITH DIE-CAST ALUMINUM GUARD	N/A	CELESTIAL AQUARIUS R	L23
L24	VAPOR TIGHT LED STRIP LIGHT	120/277 V	LED	3,000 LM	25 W	4000 K	SURFACE/CEILING/WALL	POLYCARBONATE LENS	DLC	LITHONIA CSVT	L24
L25	LED TAPE LIGHT FOR COVE LIGHTING. PROVIDE RIGID MOUNTING CHANNEL.	120/277 V	LED	240 LM/FT	11 W	4000 K	SURFACE	SEMI-FROSTED LENS	N/A	LINEAR LED 'XOO' CONTECH TLT BRUCK SABER	L25
L26	16" DIAMETER LED HIGHBAY. WHITE POLYESTER POWDER COAT FINISH. ROUND, DECORATIVE SHIELD. WIDE DISTRIBUTION. 0-10V DIMMING.	120/277 V	LED	21,000 LM	148 W	4000 K	PENDANT/STEM	POLYCARBONATE LENS	DLC	LITHONIA CPRB	L26
L27	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	4000 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	LITHONIA CSS	L27
L28	LED RETROFIT KIT FOR THEATRICAL HOUSE LIGHTS. INCLUDE TOPS, REFLECTORS, ADAPTORS/EXTENDERS, AS NECESSARY TO FIT THE EXISTING FIXTURE HOUSING AND NOT PORTRUDE BELOW THE CEILING PLANE. PROVIDE TWO SPARES OF ATTIC STOCK OF EACH TYPE. COORDINATE ON-SITE TEST FITTING WITH THE MANUFACTURER'S REPRESENTATIVE BEFORE ORDERING PRODUCT. MODULE SIZE AND WATTAGE MAY CHANGE BASED ON SIZE OF EXISTING HOUSING. THE THEATRICAL LIGHTING DISTRIBUTOR WILL PROVIDE ALL EQUIPMENT NECESSARY TO SAFELY ACCESS EACH FIXTURE FROM BELOW. THE THEATRICAL LIGHTING DISTRIBUTOR WILL PROVIDE A CREW TO MOVE AND MAINTAIN THE LIFT/ACCESS EQUIPMENT THOUGHOUT THE INSTALLATIONN PERIOD.	120/277 V	LED	5,668 LM	49 W	3000 K	RECESSED IN DRYWALL	N/A	ES	CANTO USA MOD#: F2-120V-500-X-3.0K-80CRI	L28
L29	2' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	2,600 LM	25 W	4000 K	WALL MOUNTED	SEMI-FROSTED LENS	N/A	LITHONIA CSS	L29
X1	LED EXIT LIGHT, WHITE POLYCARBONATE HOUSING, DUAL FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE LXURWEI	X1
X2	LED EXIT LIGHT, WHITE POLYCARBONATE HOUSING, SINGLE FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE LXURWEI	X2
X3	LED EXIT LIGHT, WHITE POLYCARBONATE HOUSING, SINGLE FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE LXURWEI	X3
X4	LED EXIT LIGHT, WHITE POLYCARBONATE HOUSING, SINGLE FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE. WITH WIRE GUARD.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	VANDAL-RESISTANT POLYCARBONATE SHIELD WITH TAMPERPROOF SCREWS	N/A	DUAL-LITE LXURWEI	X4
X5	LED EXIT LIGHT, BLACKPOLYCARBONATE HOUSING, SINGLE FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE LXURWEI	X5
X6	LED COMBO EXIT/EMERGENCY LIGHT, BLACK POLYCARBONATE HOUSING, SINGLE FACE, RED LETTERS, SELF POWERED NICKEL-CADMIUM BATTERY, SELF DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	DUAL-LITE HCX	X6

ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL	ACCESSORIES AUX. CONTACTS	ACCESSORIES SOLID NEUTRAL	REMARKS
DDS1	B-1	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS2	B-2	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS3	B-3	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS4	B-4	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS5	B-5	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS6	B-6	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS7	B-7	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS8	B-8	240 V	3	30 A	Yes	20A	1	(1) N.O. / N.C.	No	
DDS9	FIRE PUMP	600 V	3	400 A	Yes	250A	1	(1) N.O. / N.C.	No	SE RATED
FDS1	DIMMER	240 V	3	600 A	Yes	600A	1	(1) N.O. / N.C.	No	

ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS VOLTAGE	PHASE	HP	FLA	NEMA ENCL	STARTER TYPE	STARTER NEMA SIZE	DISCONNECT SWITCH TYPE	DISCONNECT SWITCH FUSE SIZE	REMOTE CAPACITOR	REMARKS
DMS1	BP-1	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS2	BP-2	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS3	BP-3	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS4	BP-4	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS5	BP-5	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS6	BP-2	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS7	BP-7	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
DMS8	BP-8	208 V	3	2	7.8 A	1	FVNR	1	FUSIBLE	10	-	PROVIDE SINGLE PHASE PROTECTION. THE SINGLE PHASE PROTECTION SHALL BE PART OF THE OVERLOAD BLOCK. OVERLOADS SHALL BE ADJUSTABLE.
VFD1	HWP-1	208 V	3	5	17.5 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD2	HWP-2	208 V	3	5	17.5 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD3	HWP-3	208 V	3	5	17.5 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD4	CHP-1	480 V	3	7.5	11.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD5	CHP-2	480 V	3	7.5	11.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD6	CHP-3	480 V	3	7.5	11.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD7	CHP-4	480 V	3	15	21.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD8	CHP-5	480 V	3	15	21.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.
VFD9	CHP-6	480 V	3	15	21.0 A	-	VFD	-	-	-	-	TCC FURNISHED, E.C. INSTALLED.

PLOT DATE/TIME: 7/2/2024 12:41:21 PM

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STATE OF
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PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	06.14.2024	ADDENDUM #1
2	06.27.2024	ADDENDUM #2
3	07.02.2024	ADDENDUM #3

100% CONSTRUCTION DOCUMENT

PROJECT: #23126
DATE: 05/24/2024
DRAWN BY: Author

SCHEDULES

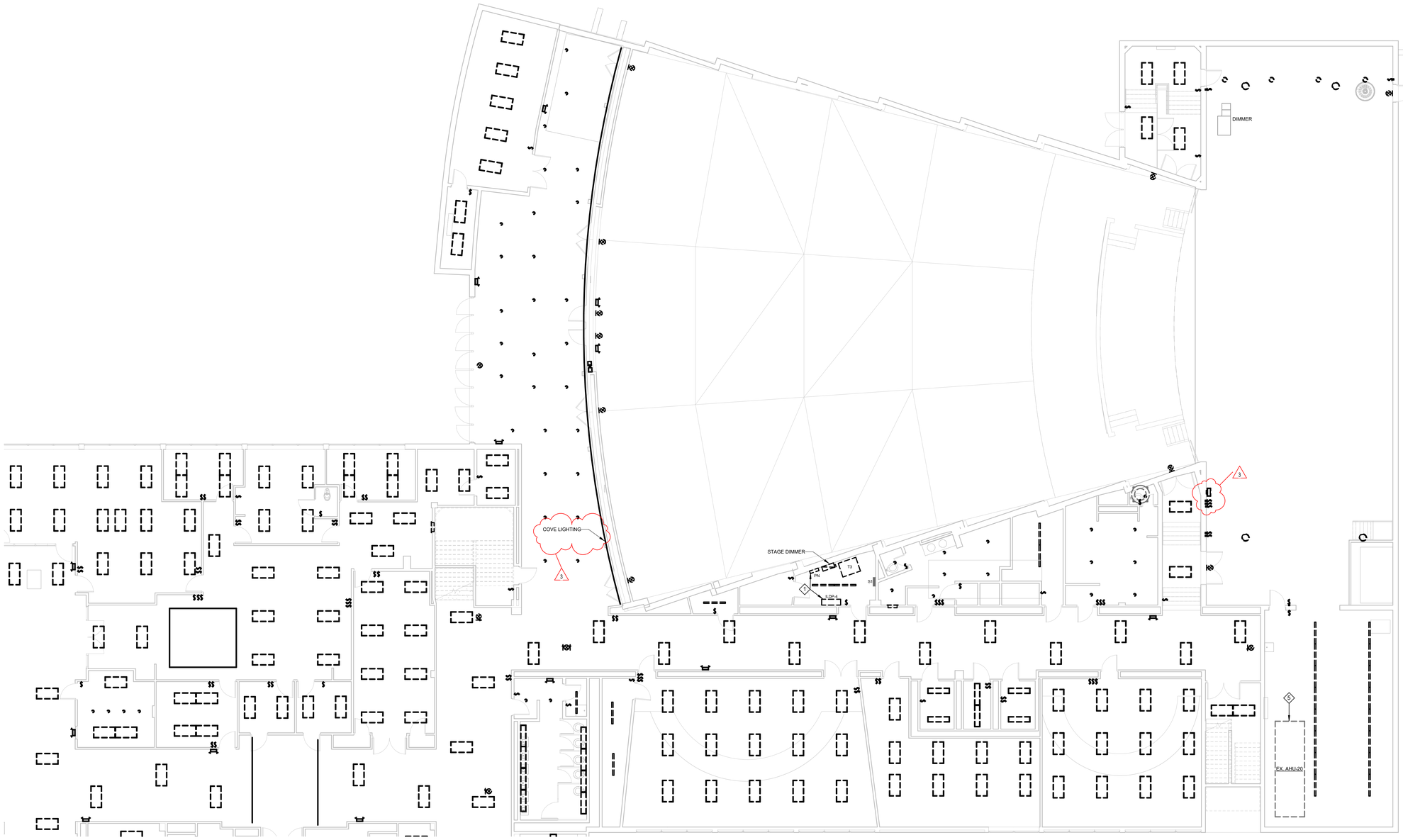
E607

◇ DEMOLITION PLAN NOTES

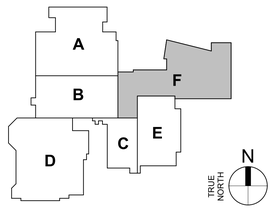
1. REMOVE PANELBOARD INDICATED. MAINTAIN EXISTING BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD AT SAME LOCATION. SEE DEMOLITION RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. REPAIR HOLES IN DRYWALL WHERE FIXTURE WAS SECURED TO CEILING.
3. REMOVE SWITCHBOARD/DISTRIBUTION BOARD INDICATED. MAINTAIN FEEDERS THAT ARE EXISTING TO REMAIN FOR RECONNECTION TO NEW SWITCHBOARD. SEE DEMOLITION RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE WIRE, CONDUIT AND ASSOCIATED ELECTRICAL EQUIPMENT BACK TO SOURCE FOR EQUIPMENT INDICATED.
5. DISCONNECT AND MAINTAIN CIRCUIT FOR RECONNECTION TO NEW EQUIPMENT.
6. LIGHT FIXTURES AT TOP OF STAGE CEILING APPROXIMATELY 59' AFF.

GENERAL DEMOLITION NOTES

A. REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E001 FOR ADDITIONAL INFORMATION.
B. MAINTAIN BACK BOXES FOR ALL FIXTURES AND SWITCHES TO BE DEMOLISHED UNLESS NOTED OTHERWISE.
C. THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.
D. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
E. THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.
F. THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED ELECTRICAL EQUIPMENT.
G. ALL ELECTRICAL ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
H. REMOVE ALL ELECTRICAL ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.
I. COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.
J. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.
K. PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
L. REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.



1 **DEMOLITION FIRST FLOOR ELECTRICAL PLAN - UNIT F**
1/8" = 1'-0"



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REVISIONS:

#	Date	Desc.
1	06.14.2024	ADDENDUM #1
2	06.27.2024	ADDENDUM #2
3	07.02.2024	ADDENDUM #3

100% CONSTRUCTION DOCUMENT

PROJECT:	4/23126
DATE:	05/24/2024
DRAWN BY:	DLJ/MGM

DEMOLITION FIRST FLOOR ELECTRICAL PLAN - UNIT F

ED1F

PLOT DATE/TIME: 7/2/2024 12:41:24 PM

EXHUAST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	DRIVE TYPE	LOCATION	AREA SERVED	REPLACE BAS SYSTEM	AIRFLOW (CFM)	ESP (IN-WG)	RPM	HP	VOLT	HZ	PHASE	NOTES
EF-2A	GREENHECK														
EF-3A	GREENHECK	G-160-A	CENTRIFUGAL	DIRECT	ROOF	UNIT A RESTROOM EXHAUST	YES	4,205	0.75	760	1	208	60	1	1-4
EF-4A	GREENHECK	G-120-A	CENTRIFUGAL	DIRECT	ROOF	UNIT A RESTROOM EXHAUST	YES	1,515	0.75	1,405	1/3	120	60	1	1-4
EF-5A	GREENHECK	G-160-VG	CENTRIFUGAL	DIRECT	ROOF	UNIT A SCIENCE LAB EVAC EXH.	YES	3,000	1.0	1,100	1	208	60	1	1-4
EF-7A	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT A FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-8A	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT A FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-9A	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT A FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-10A	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT A FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-12A	GREENHECK														
EF-1B	GREENHECK	G-120-VG	CENRIFUGAL	DIRECT	ROOF	B1060	YES	1,270	0.500	1,025	1/4	120	60	1	1-4
EF-2B	GREENHECK	FJI-8-BI	UTILITY SET	DIRECT	BELT	B1064 SPRAY HOOD	YES	365	0.750	1,025	1/3	120	60	1	1,2,4-7
EF-3B	GREENHECK	FJI-8-BI	UTILITY SET	DIRECT	BELT	B1067 SPRAY HOOD	YES	365	0.750	1,025	1/3	120	60	1	1,2,4-7
EF-4B	GREENHECK	CUE-160-VG	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B SCIENCE LAB EVAC EXH.	YES	2,400	1.5	1,340	1	208	60	1	1-4
EF-5B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-6B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
G-120-A	G-120-A	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-8B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-9B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-10B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-11B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-12B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-13B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-14B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-15B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-16B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
NOT USED															
EF-18B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-19B	GREENHECK	CUE-140-A	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B FUME HOOD EXHAUST	YES	1,200	1.5	1,970	3/4	120	60	1	1-4
EF-20B	GREENHECK	CUE-160-VG	CENTRIFUGAL UPBLAST	DIRECT	ROOF	UNIT B SCIENCE LAB EVAC EXH.	YES	2,400	1.5	1,340	1	208	60	1	1-4
EF-1C	GREENHECK	G-120-A	CENTRIFUGAL	DIRECT	ROOF	UNIT C RESTROOMS	YES	1,350	1.25	1,580	1/2	120	60	1	1-4
EF-1D	GREENHECK	G-095-VG	CENTRIFUGAL	DIRECT	ROOF	WRESTLING ROOM	YES	500	0.75	1,375	1/4	120	60	1	1-4
EF-2D	GREENHECK	G-140-A	CENTRIFUGAL	DIRECT	ROOF	MECH ROOM	YES	2860	0.375	855	1/2	120	60	1	1-4
EF-3D	GREENHECK	G-160-VG	CENTRIFUGAL	DIRECT	ROOF	BOILER ROOM	YES	4300	0.25	635	1/2	208	60	3	1-4
EF-4D	GREENHECK	G-160-VG	CENTRIFUGAL	DIRECT	ROOF	BOILER ROOM	YES	4300	0.25	635	1/2	208	60	3	1-4
EF-5D	GREENHECK	G-090-D	CENTRIFUGAL	DIRECT	ROOF	LAUNDRY	YES	350	0.5	1465	1/4	120	60	1	1-4
EF-6D	GREENHECK	G-120-A	CENTRIFUGAL	DIRECT	ROOF	MECH ROOM	YES	1800	0.375	1170	1/4	120	60	1	1-4
EF-7D	GREENHECK	G-095-VG	CENTRIFUGAL	DIRECT	ROOF	MEN'S RR	YES	720	0.5	1625	1/4	120	60	1	1-4
EF-8D	GREENHECK	G-090-VG	CENTRIFUGAL	DIRECT	ROOF	SHOWERS, RR	YES	615	0.5	1465	1/4	120	60	1	1-4
EF-9D	GREENHECK	G-090-VG	CENTRIFUGAL	DIRECT	ROOF	CONCESSIONS	YES	480	0.5	1625	1/4	120	60	1	1-4
EF-10D	GREENHECK	G-160-A	CENTRIFUGAL	DIRECT	ROOF	BOYS LOCKERROOM AREA D	YES	3,500	1.5	1,285	2	208	60		1-4
EF-11D	GREENHECK	G-099-VG	CENTRIFUGAL	DIRECT	ROOF	SHOWERS, RR	YES	875	0.5	1,400	1/4	120	60	1	1-4
EF-12D	GREENHECK	G-099-A	CENTRIFUGAL	DIRECT	ROOF	JANITOR, WOMEN'S RR	YES	1,080	0.5	1,585	1/4	120	60	1	1-4
EF-13D	GREENHECK	BSQ--240	IN-LINE	DIRECT	INDOORS	GIRLS LOCKERROM AREA D	YES	5,800	1.0	837	2.0	208	60	1	1-3
EF-1E	GREENHECK	G-095-VG	CENTRIFUGAL	DIRECT	ROOF	TEACHER CAFETERIA RESTROOM	YES	430	0.75	1500	1/4	120	60	1	1-4
EF-2E	GREENHECK	G-120-A	CENTRIFUGAL	DIRECT	ROOF	UNITS F & E RESTROOMS	YES	1,500	0.75	1,315	1/4	120	60	1	1-4
EF-3E	GREENHECK	G-070-G	CENTRIFUGAL	DIRECT	ROOF	-	YES	120	0.25	-	1/60	120	60	1	1-4
EF-4E	GREENHECK	G-120-VG	CENTRIFUGAL	DIRECT	ROOF	-	YES	1,400	0.50	-	1/3	120	60	1	1-4
EF-5E	GREENHECK	G-095-VG	CENTRIFUGAL	DIRECT	ROOF	-	YES	830	0.50	-	1/6	120	60	1	1-4
EF-6E	GREENHECK	G-120-VG	CENTRIFUGAL HIGH TEMP	DIRECT	ROOF	-	YES	1,360	0.50	-	1/3	120	60	1	1-4
EF-7E	GREENHECK	G-095-VG	CENTRIFUGAL HIGH TEMP	DIRECT	ROOF	-	YES	780	0.50	-	1/6	120	60	1	1-4
EF-8E	GREENHECK	G-090-VG	CENTRIFUGAL	DIRECT	ROOF	-	YES	560	0.375	-	1/6	120	60	1	1-4
EF-9E	GREENHECK	G-090-VG	CENTRIFUGAL	DIRECT	ROOF	-	YES	560	0.375	-	1/6	120	60	1	1-4
EF-19E	GREENHECK	G-090-VG	CENTRIFUGAL	DIRECT	ROOF	-	YES	500	0.50	-	1/4	120	60	1	1-4
EF-20E															
EF-1F	GREENHECK	BSQ-160	IN-LINE	DIRECT	INDOORS	STAGE CRAFT	YES	2,100	0.375	960	1/3	120	60	1	1-3
EF-2F	GREENHECK	G-097-VG	CENTRIFUGAL	DIRECT	ROOF	OFFICE RESTROOMS	YES	180	0.75	1800	1/4	120	60	1	1-4
EF-3F	GREENHECK	G-090-G	CENTRIFUGAL	DIRECT	ROOF	SPOTLIGHT ROOM	YES	400	0.25	1050	1/4	120	60	1	1-4
EF-4F	GREENHECK	G-097-VG	CENTRIFUGAL	DIRECT	ROOF	F1167,F2133	YES	120	0.500	1465	1/4	120	60	1	1-4
EF-5F	GREENHECK	G-120-B	CENTRIFUGAL	DIRECT	ROOF	F1170,F1172,F1173,F1174,F1175,F1176	YES	880	0.500	1400	1/4	120	60	1	1-4

3

EXHAUST FAN SCHEDULE NOTES:
1. DISCONNECT BY MANUFACTURER.
2. SEE M-700 SERIES SHEETS FOR TEMPERATURE CONTROL INFORMATION.
3. FAN SPEED CONTROLLER FOR BALANCING.
4. PROVIDE WITH 12" CURB.
5. PROVIDE WITH SPARK RESISTANCE TYPE B MOTOR AND SHAFT GROUNDING RING.
6. PROVIDE WITH PERMATECTOR COATING.
7. PROVIDE WITH 7'-0" DISCHARGE STACK.

LANCER ASSOCIATES ARCHITECTURE
145 N. East St.
INDIANAPOLIS, IN 462024

IPS BROAD RIPPLE MS 717
MIDDLE SCHOOL RENOVATION
1115 BROAD RIPPLE AVE.
INDIANAPOLIS, IN 46220

GABRIEL S. CURRIER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
3	07/02/2024	ADDENDUM #3

100% CONSTRUCTION DOCUMENT

PROJECT: #23126
DATE: 05/24/2024
DRAWN BY: GSC / AM

MECHANICAL SCHEDULES