

ADDENDUM #3

Project Name: DOC MPCF New Apprenticeship Building
DAS#9383.00
RFB938300-01
Addendum #3
Dated: July 29, 2024

This Addendum forms a part of the Request For Bids documents. This Addendum supersedes and supplements all portions of the original Request For Bids with which it conflicts.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE REQUEST FOR PROPOSAL. FAILURE TO DO SO MAY SUBJECT TO DISQUALIFICATION.

1. Questions:

- a. How is electrical and data getting to building if alternate is not done? **Answer: Electrical and data would still be routed down the existing tunnel, contractor to provide pathway from existing tunnel to new building mechanical room.**
- b. Is Builder's Risk insurance provided by the owner, or is it by contractor? **Answer: By owner**
- c. Who is responsible for the building permit fee? **Answer: No building permit required.**
- d. Water and electrical connection are to be by owner, but usage rates and temp installs are to be by Contractor? Can you please confirm this? **Answer: Water and electrical connections will be provided by the owner, contractor to connect. Usage rates/monitoring not needed.**
- e. Looking through the drawing for option three on the in-floor heat. I don't see drawings or equipment for the two in floor heat loops to connect to anything. Are we just installing the tubing and the two headers as the option for this project or is there equipment and piping drawings to make this a operating system. **Answer: You are to install the tubing, headers, and insulation as shown on the drawings. Provide pathway from building to existing tunnel as drawings indicate. Owner to provide and install other ancillary equipment at a later date.**
- f. Please clarify the required PEMB insulation requirements in the walls and roof? There are several conflicting notes on the drawings and specs. **Answer: Requirements are per 2012 IECC: Roof – R-19 + R-11 Liner System. Walls – R-13 + R-13ci or system U-Value of 0.052 or better (Simple Saver or similar).**

2. Substitution Requests:

- a. Spec Section: 23 3416 HVAC Power Ventilators
Item: Sidewall Axial Fans
Manufacturer: JencoFan by S&P, Twin City Fan
- b. Item: Restroom Ceiling Exhaust Fans
Manufacturer: Soler Palau, Twin City Fan
- c. Spec Section: 23 8239 Electric Unit Heaters
Item: Unit Heaters
Manufacturer: Redd-I of TPI Corp
- d. Spec Section: 23 0923 Gas Instruments
Item: CO / NO2 Gas Detection System
Manufacturer: Honeywell Analytics

- e. Spec Section: 08 9119 Louvers
Item: Sidewall Louver
Manufacturer: United Enertech

- f. Spec Section: 26 5100 Interior Lighting
Item/Manufacturer:
D1| Lithonia, Halo
Exit| Lithonia, Sure-Lites
L1/L1-EM| Lithonia
W1-EM| Lithonia, Halo
W2| Lithonia, Halo

3. Drawings:

- a. Drawing E-001 Electrical Symbols
 - 1. Removed Note-16
- b. Drawing E-602 Electrical Lighting Schedules
 - 1. Updated Lighting Schedule

4. Attachments:

- a. Drawing E-001 Electrical Symbols
- b. Drawing E-602 Electrical Lighting Schedules

END OF ADDENDUM

ELECTRICAL ABBREVIATIONS

ELECTRICAL GENERAL NOTES		ELECTRICAL GENERAL NOTES		ELECTRICAL GENERAL NOTES	
1P	1 POLE (2P, 3P, 4P, ETC.)	IC	INTERRUPTING CAPACITY	SYS	SYSTEM
A, AMP	AMPERE	IG	ISOLATED GROUND	T-STAT	THERMOSTAT
AC	ABOVE COUNTER	IMC	INTERMEDIATE METAL CONDUIT	TEL	TELEPHONE
ACLG	ABOVE CEILING	INCAND	INCANDESCENT	TERM	TERMINAL
ADO	AUTOMATIC DOOR OPERATOR	IR	INFRARED	TL	TWIST LOCK
AF	AMP FRAME	J-BOX	JUNCTION BOX	TR	TAMPER RESISTANT
AFG	ABOVE FINISHED GRADE	KV	KILOVOLT	TTC	TELEPHONE TERMINAL CABINET
ALT	ALTERNATE	KVA	KILOVOLT-AMPERE	TV	TELEVISION
AMP	AMPERE	KVAR	KILOVOLT-AMPERE REACTIVE	TVTC	TELEVISION TERMINAL CABINET
AMPL	AMPLIFIER	KW	KILOWATT	TYP	TYPICAL
ANNUN	ANNUNCIATOR	KWH	KILOWATT HOUR	UC	UNDER COUNTER
APPROX	APPROXIMATELY	LOC	LOCATE OF LOCATION	UE	UNDERGROUND ELECTRICAL
AQ-STAT	AQUASTAT	LT	LIGHT	UH	UNIT HEATER
ARCH	ARCHITECT, ARCHITECTURAL	LTG	LIGHTING	UT	UNDERGROUND TELEPHONE
AS	AMP SWITCH	LTNG	LIGHTNING	UTIL	UTILITY
AT	AMP TRIP	LV	LOW VOLTAGE	UV	ULTRAVIOLET
ATS	AUTOMATIC TRANSFER SWITCH	M/C	MOMENTARY CONTACT	V	VOLT
AUTO	AUTOMATIC	MAG.S	MAGNETIC STARTER	VA	VOLT-AMPERES
AUX	AUXILIARY	MAX	MAXIMUM	VERT	VERTICAL
AV	AUDIO VISUAL	MC	MECHANICAL CONTRACTOR	W	WATT
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER	W/	WITH
BATT	BATTERY	MCC	MOTOR CONTROL CENTER	W/O	WITHOUT
BD	BOARD	MDC	MAIN DISTRIBUTION CENTER	WG	WIRE GUARD
BLDG	BUILDING	MDP	MAIN DISTRIBUTION PANEL	WH	WATER HEATER
BMS	BUILDING MANAGEMENT SYSTEM	MFR	MANUFACTURER	WP	WEATHERPROOF
C	CONDUIT	MFS	MAIN FUSED DISCONNECT SWITCH	XFMR	TRANSFORMER
CAB	CABINET	MH	MANHOLE	XFR	TRANSFER
CAT	CATALOG	MIC	MICROPHONE	AFF	ABOVE FINISHED FLOOR
CATV	CABLE TELEVISION	MIN	MINIMUM	AFI	ARC FAULT CIRCUIT INTERRUPTER
CB	CIRCUIT BREAKER	MISC	MISCELLANEOUS	AHU	AIR HANDLING UNIT
CCTV	CLOSED CIRCUIT TELEVISION	MLO	MAIN LUGS ONLY	AL	ALUMINUM
CKT	CIRCUIT	MMS	MANUAL MOTOR STARTER	VDT	VIDEO DISPLAY TERMINAL
CLG	CEILING	MOA	MULTIOUTLET ASSEMBLY	VFD	VARIABLE FREQUENCY DRIVE
CMPR	COMPRESSOR	MSBD	MAIN SWITCHBOARD	VOL	VOLUME
COMB	COMBINATION	MSP	MOTOR STARTER PANELBOARD		
CONN	CONNECTION	MSS	MOTOR STARTER SWITCH		
CONST	CONSTRUCTION	MT	MOUNT		
CONT	CONTINUATION OR CONTINUOUS	MT.C	EMPTY CONDUIT	@	AT
CONTR	CONTRACTOR	MTR	MOTOR, MOTORIZED	'	FEET
CONV	CONNECTOR	MTS	MANUAL TRANSFER SWITCH	"	INCHES
CP	CIRCULATING PUMP	N.C.	NORMALLY CLOSED	#	NUMBER
CRT	CATHODE-RAY TUBE	N.O.	NORMALLY OPEN	C	CENTER LINE
CT	CURRENT TRANSFORMER	NEC	NATIONAL ELECTRICAL CODE	P	PLATE
CTR	CENTER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
CU	COPPER	NFDS	NON-FUSED SAFETY DISCONNECT SWITCH		
DCP	DOMESTIC WATER CIRCULATING PUMP	NIC	NOT IN CONTRACT		
DEPT	DEPARTMENT	NL	NIGHT LIGHT		
DET	DETAIL	NPF	NORMAL POWER FACTOR		
DIA	DIAMETER	NTS	NOT TO SCALE		
DISC	DISCONNECT	OC	ON CENTER		
DIST	DISTRIBUTION	OH	OVERHEAD		
DN	DOWN	OL	OVERLOADS		
DPR	DAMPER	PA	PUBLIC ADDRESS		
DS	SAFETY DISCONNECT SWITCH	PB	PULL BOX OR PUSHBUTTON		
DT	DOUBLE THROW	PE	PNEUMATIC ELECTRIC		
DWG	DRAWING	PED	PEDESTAL		
EC	ELECTRICAL CONTRACTOR	PF	POWER FACTOR		
ELEC	ELECTRIC, ELECTRICAL	PH	PHASE		
ELEV	ELEVATOR	PIV	POST INDICATING VALVE		
ELU	EMERGENCY LIGHTING UNIT	PNL	PANEL		
EM	EMERGENCY	PP	POWER POLE		
EMS	ENERGY MANAGEMENT SYSTEM	PR	PAIR		
EMT	ELECTRICAL METALLIC TUBING	PRI	PRIMARY		
EP	ELECTRIC PNEUMATIC	PROJ	PROJECTION		
EQUIP	EQUIPMENT	PRV	POWER ROOF VENTILATION		
EWC	ELECTRIC WATER COOLER	PT	POTENTIAL TRANSFORMER		
EXIST	EXISTING	PVC	POLYVINYL CHLORIDE (CONDUIT)		
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	PWR	POWER		
FACP	FIRE ALARM CONTROL PANEL	QUAN	QUANTITY		
FCU	FAN CONTROL UNIT	RCPT	RECEPTACLE		
FIXT	FIXTURE	REQD	REQUIRED		
FLR	FLOOR	RM	ROOM		
FLUOR	FLUORESCENT	RSC	RIGID STEEL CONDUIT		
FU	FUSE	RTU	ROOF TOP UNIT		
FUDS	FUSED SAFETY DISCONNECT SWITCH	S/N	SOLID NEUTRAL		
GA	GAUGE	S/S	STOP/START PUSHBUTTONS		
GAL	GALLON	SC	SURFACE CONDUIT		
GALV	GALVANIZED	SEC	SECONDARY		
GC	GENERAL CONTRACTOR	SHT	SHEET		
GEN	GENERATOR	SIM	SIMILAR		
GFI	GROUND FAULT CIRCUIT INTERRUPTER	SLD	SINGLE-LINE DIAGRAM		
GFP	GROUND FAULT PROTECTOR	SP	SPARE		
GND	GROUND	SPEC	SPECIFICATION		
GRS	GALVANIZED RIGID STEEL (CONDUIT)	SPKR	SPEAKER		
GYP BD	GYPSPUM BOARD	SPP	SINGLE-POINT POWER		
HOA	HANDS-OFF-AUTOMATIC SWITCH	SR	SURFACE RACEWAY		
HORIZ	HORIZONTAL	SS	STAINLESS STEEL		
HP	HORSEPOWER	SSW	SELECTOR SWITCH		
HPF	HIGH POWER FACTOR	STA	STATION		
HT	HEIGHT	STD	STANDARD		
HTG	HEATING	SURF	SURFACE MOUNTED		
HTR	HEATER	SW	SWITCH		
HV	HIGH VOLTAGE	SWBD	SWITCHBOARD		
HVAC	HEATING, VENTILATING AND AIR	SYM	SYMMETRICAL		
I/W	INTERLOCK WITH				

ELECTRICAL SYMBOL LEGEND

LIGHTING SYMBOLS

Lighting fixtures, typical, rectangular (various symbols). Filled circles indicate recessed. Open circles indicate surface-mounted. Diagonal line indicates lensed. Outer dots indicate suspended.

Lighting fixtures, typical, round (various symbols). Center dot indicates pendant. Diagonal line indicates lensed. Chevron indicates wall wash.

Wall-mounted fixtures, typical (various symbols).

Strip fixture.

Directional light, track light, flood light.

Linear light, tape light.

Emergency lighting unit, ceiling-mounted, integral battery.

Emergency lighting unit, ceiling-mounted, remote battery.

Emergency lighting unit, wall-mounted, integral battery.

Emergency lighting unit, wall-mounted, remote battery.

Exit light, ceiling-mounted. Shading and arrows indicate faces and directional chevrons.

Exit light, wall-mounted. Shading and arrows indicate faces and directional chevrons.

Exit/ELU COMBO.

Pole/Area lights.

Post-top area light.

Bollard light.

Proposed light fixture.

Diagonal hatch indicates light on an emergency or life safety circuit.

Single-pole switch.

Three-pole switch.

Switch modifiers:
 3: 3-WAY OS: OCCUPANCY SENSOR
 4: 4-WAY VS: VACANCY SENSOR
 K: KEYS AC: ABOVE-COUNTER
 D: DIMMING LV: LOW-VOLTAGE
 T: TIMER M: MOTOR-RATED
 V: VOLUме

Lighting contactor.

LCP: LIGHTING CONTROL PANEL

OS: OCCUPANCY SENSOR

DL: DAYLIGHT HARVESTING SENSOR

LIGHTING TAGS

TOP VALUE: FIXTURE TYPE ID (UNDERLINED)
 BOTTOM VALUE, LOWERCASE LETTER: SWITCH ID
 BOTTOM VALUE, NUMBER(S): CIRCUIT NUMBER
 BOTTOM VALUE, UPPERCASE LETTER(S): PANEL ID

ABSENCE OF A SWITCH DESIGNATION ON A LIGHTING FIXTURE INDICATES FIXTURE IS CONTROLLED BY THE ONLY SWITCH IN THE SPACE. AN "X" IN PLACE OF THE SWITCH DESIGNATION INDICATES UNSWITCHED.

SWITCH ID INDICATED BY A LOWERCASE LETTER. SWITCH IDS ARE UNIQUE PER SPACE. A SWITCH WITH AN ID "A" CONTROLS ALL DEVICES WITHIN THE SPACE IN WHICH IT IS LOCATED TAGGED WITH "A". A SWITCH WITHOUT A TAGGED ID CONTROLS ALL LIGHTING FIXTURES WITHIN A SPACE. ID TAGS MAY BE USED ON CONTROL DEVICES OTHER THAN SWITCHES, SUCH AS OCCUPANCY SENSORS OR CONTACTORS.

GROUNDING AND LIGHTNING PROTECTION SYMBOLS

Ground rod.
 Ground rod with test well.
 Static ground receptacle.
 Lightning protection air terminal.
 Lightning protection conductor splice.

POWER SYMBOLS

Simplex receptacle.
 Duplex receptacle.
 Quadruplex receptacle.
 Special receptacle, type as indicated.
 Receptacle modifiers:
 #: HEIGHT AFF OC
 AC: ABOVE COUNTER
 GF: GROUND-FAULT CIRCUIT INTERRUPTER
 WP: WEATHERPROOF IN-USE COVER

Half shading indicates split (typically switched).
 Outside shading indicates emergency circuit.
 Center shading indicates isolated ground.

Multioutlet assembly.
 Filled squares indicate 120V outlet.
 Open squares indicate with USB.

Cord reel, device varies.
 Drop cord, device varies.

Junction box.
 Floor box, see schedule for type.
 Emergency power off.
 Door opener push plate.
 Power meter.
 Safety switch, fused.
 Safety switch, unfused.
 Motor starter.
 Combination starter/disconnect.

Contactors.

POWER DEVICE AND EQUIPMENT TAGS

Electrical device tags: uppercase letter(s) indicates panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable).

Equipment tags: equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbols/graphic appearance of equipment varies.

WIRING

Solid, arced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, installation, junction boxes, etc. shall be field-determined by the contractor.

Dashed, arced lines connecting equipment, devices, or fixtures indicate switched power.

Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by a hyphen. Home runs are only intended to indicate panel and circuit number. Actual homerun location shall be field-determined by the contractor.

POWER DISTRIBUTION EQUIPMENT

Hatched fill indicates distribution panel or switchboard.
 Solid fill indicates branch panel or load center.
 Dashed box indicates code-required clearance (width and depth).
 Door indicates front of recessed panel.

Panelboards are assigned an abbreviated indicator (or panel ID) for use with circuit numbers. Panel ID is listed within the panel schedule and in the panel abbreviation schedule.

Equipment is tagged with panel name and with panel ID in parentheses. Panel ID is intended as a design documentation aid only. Do not include panel ID in field-applied circuit directories or labels.

Devices and fixtures are tagged with panel ID and circuit number. For example, a device tagged with "A1" indicates the device is circuited to panel designated "A," circuit number 1. The panel schedule circuit number contains both the panel abbreviation and the circuit number.

Transformer: typically transformer names begin with or contain the letter "T". See single-line diagram for description and requirements.

TELECOM SYMBOLS

Data outlet.
 Telephone outlet.
 Data/telephone outlet.
 Outlet modifiers:
 #: HEIGHT AFF OC
 AC: ABOVE COUNTER

Wireless access point.
 TV outlet.

SECURITY SYMBOLS

Security camera.
 Card reader.
 Card reader with keypad.
 Closed circuit TV outlet.
 Door contact.
 Electric strike.
 Intercom.
 Magnetic lock.
 Request to exit button.
 Request to exit sensor.
 Motion detector.
 Security control unit.
 Security control panel.
 Security power supply unit.

CONSTRUCTION PHASING

Existing to remain.
 Existing to be demolished.
 New.
 Existing to be demolished.

MISCELLANEOUS

Area not in contract.
 Keynote.
 Callout: top value: detail number on sheet, bottom value: sheet number of detail.

Room name and number.

FIRE ALARM SYMBOLS

Manual pull station.
 Horn, wall.
 Horn, ceiling.
 Strobe, wall, candeleta as indicated.
 Strobe, ceiling, candeleta as indicated.
 Horn/strobe, wall, candeleta as indicated.
 Horn/strobe, ceiling, candeleta as indicated.
 Remote indicator w/ test switch, wall.
 Remote indicator w/ test switch, ceiling.
 Smoke detector.
 Heat detector.
 Carbon monoxide detector.
 Beam detector T: transmitter R: receiver.
 Combination detector (up to three).
 Duct smoke detector.
 Smoke damper.
 Door holder.
 Door closer.
 Fire service phone.
 Addressable module.
 AIM: ADDRESSABLE INPUT MODULE
 AOM: ADDRESSABLE OUTPUT CONTROL MODULE
 AIO: ADDRESSABLE INPUT/OUTPUT
 FIRE ALARM CONTROL UNIT
 EVAC: VOICE EVACUATION CONTROL PANEL
 FAA: FIRE ALARM ANNUNCIATOR
 FACP: FIRE ALARM CONTROL PANEL
 FATC: FIRE ALARM TERMINAL CABINET
 NACP: NOTIFICATION APPLIANCE CIRCUIT PANEL
 FAMN: FIRE ALARM MASS NOTIFICATION CONTROL PANEL
 SUPERVISORY OR INTERFACE DEVICE
 PIV: POST INDICATOR VALVE SUPERVISORY
 PS: PRESSURE SWITCH
 R: NON-ADDRESSABLE RELAY
 VS: VALVE SUPERVISORY SWITCH
 WF: WATER FLOW SWITCH

ELECTRICAL GENERAL NOTES

- CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SLAB SHALL BE METAL. RACEWAY BELOW THE FLOOR SLAB AND UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC.
- LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY WHERE INSTALLED WITHIN WALLS OR INACCESSIBLE SPACES. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAY WHERE NOTED. LOW VOLTAGE CABLES MAY BE RUN IN CABLE SUPPORT HOOKS ABOVE ACCESSIBLE CEILING SPACES.
- LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE IN METAL RACEWAY. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAY WHERE NOTED. LOW VOLTAGE CABLE SHALL BE PLENUM RATED IN PLENUM SPACES.
- COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.
- PROVIDE CABLE OR CONDUIT AND WIRE AS REQUIRED TO ACHIEVE CIRCUITING SHOWN. SIZE CONDUCTORS PER NEC AMPACITY AND WIRE FILL CRITERIA. PROVIDE DEDICATED NEUTRAL AND GROUND CONDUCTORS FOR CIRCUITING, UNLESS NOTED OTHERWISE. INCREASE BRANCH CIRCUIT AND/OR FEEDER CONDUCTORS INCLUDING EQUIPMENT GROUNDING CONDUCTORS PROPORTIONALLY FOR NO MORE THAN 3% VOLTAGE DROP ON BRANCH CIRCUITS AND 2% ON FEEDERS PER ENERGY CODE.
- IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL SYSTEMS AND THOSE REQUIRING ELECTRICAL CONNECTIONS TO MAINTAIN NEC REQUIRED CLEARANCES, INCLUDED BUT NOT LIMITED TO AREAS ABOVE ACCESSIBLE CEILING.
- COORDINATE WITH OTHER TRADES FOR PROPER INSTALLATION OF EQUIPMENT. CONSULT THE DRAWINGS OF OTHER TRADES OR CRAFTS TO AVOID CONFLICTS WITH EQUIPMENT, ETC. CONFLICTS SHALL BE RESOLVED PRIOR TO ROUGH-IN AND AT NO ADDITIONAL COST TO THE OWNER.
- LEAVE THE SITE CLEAN AND READY FOR OCCUPANCY. REMOVE DIRT, DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT AND WIRE SCRAPS, AND MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THIS DIVISION OF THE WORK DURING CONSTRUCTION. COMPONENTS SHALL BE FREE OF DUST, GRIT, AND FOREIGN MATERIALS AND LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
- THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.
- PERFORM WORK TO COMPLY WITH THE STANDARD PRACTICES FOR GOOD WORKMANSHIP PUBLISHED BY NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA). COMPLY WITH THE LATEST ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), LOCAL CODES, AMENDMENTS, AND ORDINANCES.
- FIELD COORDINATE FINAL MECHANICAL AND EQUIPMENT LOCATIONS ALONG WITH CONNECTION REQUIREMENTS AND CONTROL WIRING PRIOR TO ROUGH-IN. ADJUST CORRESPONDING CIRCUIT BREAKER RATINGS AND BRANCH CIRCUITING ACCORDINGLY.
- ELECTRICAL WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED MASTER ELECTRICIAN. PROCURE PERMITS AND LICENSES AND PAY FEES ASSOCIATED WITH THIS WORK.
- MATERIALS FURNISHED FOR THIS PROJECT SHALL BE NEW, COMMERCIAL GRADE, FREE OF DEFECTS, AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY UNLESS NOTED OTHERWISE.
- PROVIDE COMPLETE OPERATION & MAINTENANCE MANUAL INCLUDING APPROVED SUBMITTAL DRAWINGS, WARRANTY INFORMATION FOR PRODUCT SUPPLIED, AND MANUFACTURES OPERATION AND MAINTENANCE INSTRUCTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAKING FINAL WIRING TERMINATIONS TO PRE-INSTALLED RECEPTACLES IN OFFICE FURNITURE. CONTRACTOR IS RESPONSIBLE FOR WIRING AND INSTALLING VOICE/DATA DEVICES IN OFFICE FURNITURE. COORDINATE PLACEMENT OF DEVICES WITH FURNITURE LAY-OUT.
- CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ELECTRICAL ITEMS SHOWN ON DRAWINGS EXCEPT FOR ITEMS LISTED IN NOTE 'R' BELOW.
- TV OUTLETS, VOLUME CONTROLS, NURSE CALL DOME LIGHTS, NURSE CALL DEVICES, TELEPHONE OUTLETS, DATA OUTLETS, AND FIRE ALARM DEVICES SHALL CONSIST OF A BACK BOX WITH CONDUIT STUBBED ABOVE THE ACCESSIBLE CEILING. SEE STUB UP DETAIL. VERIFY SIZE OF BACK BOX REQUIRED WITH DEVICE TO BE INSTALLED. LOCATE BACK BOXES 6" FROM ADJACENT POWER RECEPTACLE INTENDED FOR COMPUTER USE.
- FURNISH AND INSTALL CONDUIT FROM BACK BOXES FOR THE FOLLOWING DEVICES INTO THE ACCESSIBLE CEILING SPACE IN THE CORRIDOR, UNLESS NOTED OTHERWISE:
 1/2" TV OUTLETS
 1/2" C VOLUME CONTROLS
 1/2" CDOOR SECURITY DEVICES (CARD READERS, DOOR STRIKES ETC.)
 1/2" C NURSE CALL DOME LIGHTS
 3/4" C NURSE CALL DEVICES
 3/4" C TELEPHONE OUTLETS
 3/4" C INFORMATION OUTLETS
 3/4" C FIRE ALARM DEVICES

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9383.00 DOC MPCF NEW APPRENTICESHIP BUILDING

1200 E. WASHINGTON MOUNT PLEASANT, IOWA

MARK	DATE	DESCRIPTION
2	7/29/2024	ADDENDUM 02
16		NOT USED
17		
18		
19		
20		

PROJECT NO: 240027
DATE: 06/07/2024
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SHEET TITLE

ELECTRICAL SYMBOLS

E-001

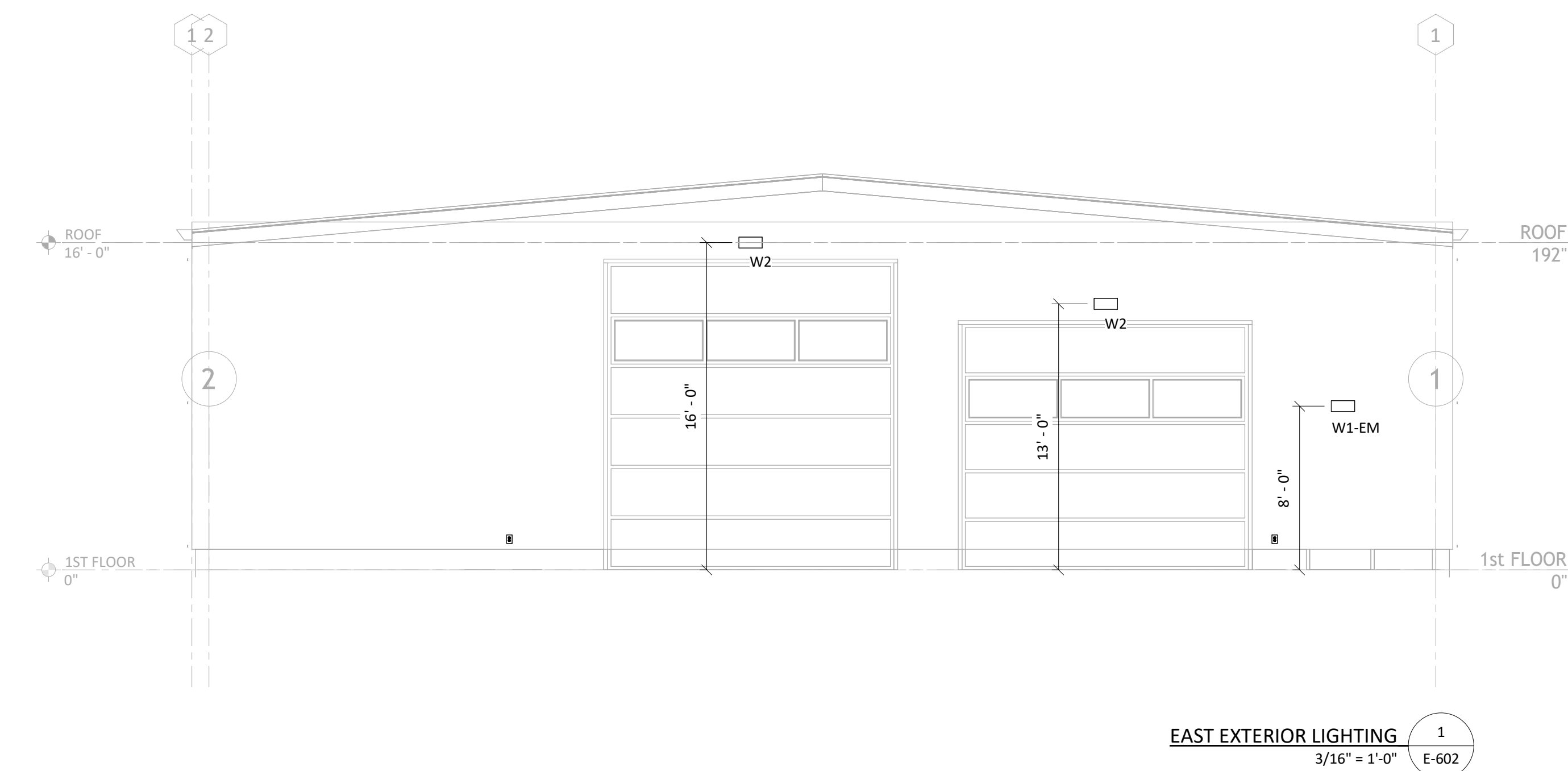
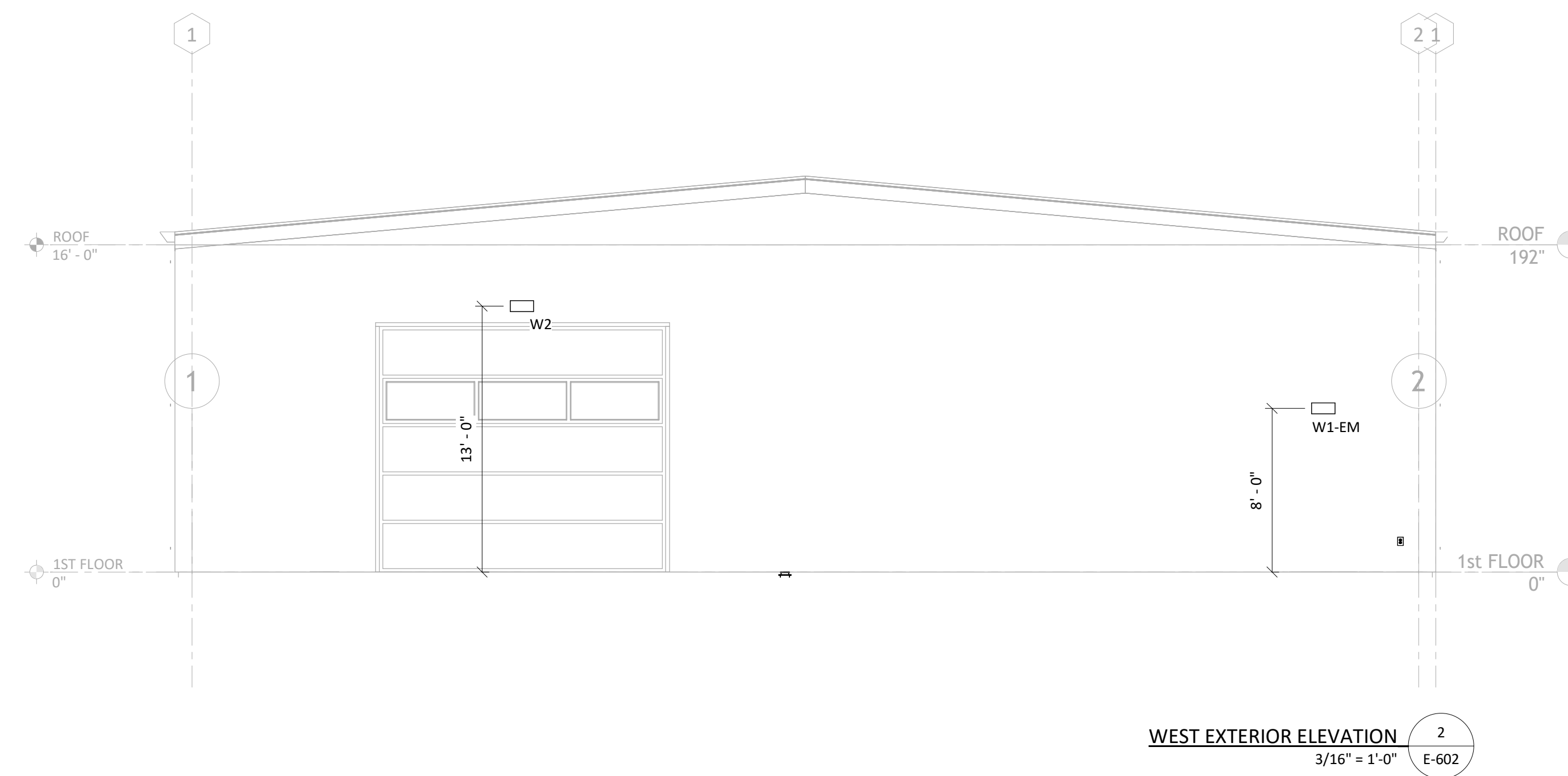
ISSUED FOR PERMIT AND CONSTRUCTION

LIGHTING SCHEDULE													
TAG	SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	MOUNTING	TOTAL LUMENS	LAMP	CCT	CRI	VOLTAGE	WATTS	EMERGENCY COMPONENT	NOTES
D1		PRESCOLITE	LBRST-6RD-M-LSML-CS9-WH-34	6" DOWNLIGHT	CEILING	2502 lm	INTEGRAL LED	40 K	90	120 V	31 W		
EXIT		COMPASS	COM CE	EXIT SIGN	WALL 8'	0 lm	INTEGRAL LED	0 K	0	120 V	2 W	INTEGRAL BATTERY	
L1		LUX DYNAMICS	HIGH-4-6LM-840-U10-SM-WA-OC-KO	4' STRIP	CEILING 16'	15488 lm	INTEGRAL LED	40 K	80	120 V	107 W		
L1-EM		LUX DYNAMICS	HIGH-4-6LM-840-U10-SM-WA-E20RL-OC-KO	4' STRIP	CEILING 16'	15488 lm	INTEGRAL LED	40 K	80	120 V	107 W	INTEGRAL BATTERY	
W1-EM		ILP	OWM-3L/5L-U-CCTS-BRZ-E-MCT8-PCU	WALL PACK	WALL 8'	5230 lm	INTEGRAL LED	40 K	80	120 V	40 W	INTEGRAL BATTERY	PROVIDE WITH PHOTOCELL FIXTURE PROVIDED WITH SWITCHABLE LUMEN OUTPUT
W2		ILP	OWM-3L/5L-U-CCTS-BRZ-PCU	WALL PACK	VARIABLES	5230 lm	INTEGRAL LED	40 K	80	120 V	40 W		PROVIDE WITH PHOTOCELL

NOTES: PROVIDE ALL BRACKETS, MOUNTING PLATES AND SUPPORTS AS REQUIRED FOR INSTALLATION.

LIGHTING SEQUENCE OF OPERATION													
ROOM NAME	OCCUPANCY SENSOR				TIME CLOCK			WALL SWITCH		DAYLIGHT SENSOR	OTHER	NOTES	
	VACANCY MODE (MANUAL ON)	OCCUPANCY MODE (AUTO ON)	PASSIVE IR	DUAL TECHNOLOGY	SCHEDULE ON TIME	SCHEDULE OFF TIME	SCHEDULE OVERRIDE SWITCH	MANUAL (ON/OFF)	MANUAL DIMMING	SWITCHING (ON/OFF)	PHOTOCELL		NETWORKED
SMALL BAY/AUTO REPAIR GARAGE								X					1
RESTROOM	X							X					2
MECHANICAL								X					3
EXTERIOR											X		4

- L1EM FIXTURE SHOULD BE ON AN UN CONTROLLED NIGHT LIGHT CIRCUIT.
- BATHROOM: PROVIDE WALL SWITCH WITH BUILT IN PIR OCC SENSOR – LUTRON MS-OPS2
- MECH ROOM: PROVIDE ON/OFF TOGGLE SWITCH
- EXTERIOR FIXTURES CONTROLLED VIA INTEGRAL PHOTOCELL



ISSUED FOR PERMIT AND CONSTRUCTION

horizon.
original.
architecture.

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9383.00 DOC MPCF NEW
APPRENTICESHIP
BUILDING

1200 E. WASHINGTON
MOUNT PLEASANT, IOWA

MARK	DATE	DESCRIPTION
2	7/29/2024	Addendum 02

PROJECT NO: 240027
DATE: 06/07/2024
DRAWN BY: SMF
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SHEET TITLE
ELECTRICAL
LIGHTING
SCHEDULES

E-602