



CITY OF EVERETT
548 Broadway Mechanical Repairs
ADDENDUM NO. 2
Date Issued: October 5, 2026
Project# MUN-27-41 548 Broadway Mechanical Repairs

NOTICE TO ALL BIDDERS

This Addendum is issued to amend the bid documents for 548 Broadway Mechanical Repairs.

A. General:

- a. Bid Holders List**
- b. Pre-Bid Walk through Sign in sheet**

B. Changes to Specifications:

Item #1: Section 00 0115 List of Drawings – Add the following

FA-001 – Fire Alarm Legend**
FA-002 – Fire Alarm Specifications and Details**
FA-200 – Fire Alarm Basement New Work Plan**
FA-201 - Fire Alarm First Floor New Work Plan**

Item #2: Section 26 0000 Electrical FSB, Section 1.1, Paragraph F add the following

FA-001 – Fire Alarm Legend
FA-002 – Fire Alarm Specifications and Details
FA-200 – Fire Alarm Basement New Work Plan
FA-201 - Fire Alarm First Floor New Work Plan

Item #3: Section 26 0000 Electrical FSB, Part 2 and Part 3 – revise the number 1.11 to read 1.1.

C. Changes to the Drawings:

E-001 – Electrical Legend
E-200 – Electrical Basement Power Plans
E-400 – Electrical Riser Diagrams & Schedules
FA-001 – Fire Alarm Legend
FA-002 – Fire Alarm Specifications and Details
FA-200 – Fire Alarm Basement New Work Plan
FA-201 - Fire Alarm First Floor New Work Plan

D. Bidder Questions:

- 1. Question: The area where the Mechanical unit is to be placed on the north side of the existing building has a low granite retaining wall that appears to be compromised – is there any work required here to stabilize this condition?**



Answer: Prime Contractor shall locate the new unit as close to the sidewalk/ as far from this condition as possible. Along the undamaged portion of the granite wall Prime Contractor shall provide pre-fab shoring system sufficient to stabilize system from further slippage.

2. Question: Please confirm whether electrical permit fees are waived by the City of Everett
Answer: City permit fees are waived
3. Question: Please confirm that the Owner shall pay all utility company fees, back charges associated with the service modifications for this project.
Answer: Owner will pay for all utility company fees
4. Question: Please confirm that all excavation, backfill, and concrete encasement (including the site rework under Alternate 1 and the 2" concrete encasement under Alternate 2) is the work of the General Contractor and is not included in the Electrical Filed Sub-Bid
Answer: Refer to Addenda #2 – there are no alternates – the GC / Prime Contractor shall provide the formwork and concrete encasement as shown on the electrical drawings.
5. Question: Based on the current specified project duration (Substantial Completion December 16, 2026), the lead time/delivery of the electrical distribution equipment will not make the project schedule. This includes the 1200A service disconnect switch, distribution panel MDP, and panel MH1, currently quoted at approximately 12 weeks after submittal approval
Please advise
Answer: Refer to Addenda #2.

This Addendum modifies and becomes part of the original bid documents.

Kiara M. Freeman
Chief Procurement Officer
City of Everett

END OF ADDENDUM #2

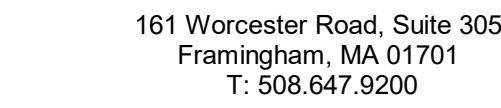
PLAN HOLDERS

ID	Bid Number	Company Name	Name	Phone	Email
605	MUN-27-41	Brite Lite Electrical Co., Inc	Derek Desharnais	7813409102	derek@brite-lite-electrical.com
606	MUN-27-41	Consigli Construction	Christine McCall Martello	7747376916	cmartello@consigli.com
607	MUN-27-41	Enterprise Equipment Co.	Kevin Lynch	6175921065	klynch@eecma.com
608	MUN-27-41	Glionna Plumbing & Heating Services, Inc	Katie Jo Glionna	781-718-4113	katiejo@glionnaplumbing.com
609	MUN-27-41	Projectdog, Inc.	Project Leads Manager	9784999014	addenda@projectdog.com
610	MUN-27-41	Finbarr Mechanical	Carrie Dotson	617-299-2239	estimating@finbarrmech.com
611	MUN-27-41	Richard T Losordo Electrical Services Inc	Paul Losordo	5084364848	plosordo@losordoelectric.com
612	MUN-27-41	Blackridge Research and consulting	Helan Emagulate	9179937467	helan@blackridgeresearch.com
613	MUN-27-41	Araujo Bros. Plumbing, Inc.	Ashton Borges	5089987006	aborges@araujobrosplumbing.com
614	MUN-27-41	PlanHub	Project Coordinator	5618217323	rhasan@planhub.com
615	MUN-27-41	Dodge Construction Network	Alex Gugliada	8443263826	alex.gugliada@construction.com
616	MUN-27-41	TG Gallagher, Inc.	Anthony White	9082461816	awhite@tggallagher.com
617	MUN-27-41	Ambient Temperature Corp.	Michael Pigatti	9786460660	mpigatti@ambienttemperature.com
618	MUN-27-41	E. Amanti and Sons Inc.	Steve Amanti	9782243727	steve@eamanti.com
619	MUN-27-41	LS Electrical Services	Ashley Harris	6033015112	ashley@lifestyleselectric.com
620	MUN-27-41	Brothers Electrical Corp	Michael Bavaro	9789795510	mike@brothersselectricalcorp.com

[illegible]

ABBREVIATIONS	
A	AMPERE
AFCI	ARC-FAULT CIRCUIT INTERRUPTOR
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AIR-CONDITIONING INTERRUPTING CURRENT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
CATV	COMMUNITY ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CO/ALR	COPPER-ALUMINUM, REVISED
COPS	CRITICAL OPERATIONS POWER SYSTEMS
CR	CARD READER
CSA	CANADIAN STANDARDS ASSOCIATION
CU	COPPER
DIA	DIAMETER
DOCA	DESIGNATED CRITICAL OPERATIONS AREAS
DS	DISCONNECT SWITCH
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EM	EMERGENCY
EMF	ELECTROMOTIVE FORCE
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
EPO	EMERGENCY POWER OFF
ES	ENERGY STORAGE SYSTEM
EV	ELECTRICAL VEHICLE
EVPE	ELECTRICAL VEHICLE POWER EXPORT EQUIPMENT
EVSE	ELECTRICAL VEHICLE SUPPLY EQUIPMENT
F	FUSE
FLA	FULL-LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FMT	FLEXIBLE METAL TUBING
FT	FEET
FURN.	FURNISHED
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GF	GROUND FAULT
GFCI	GROUND-FAULT INTERRUPTER
GFPE	GROUND-FAULT CIRCUIT INTERRUPTER
GFPE	GROUND-FAULT PROTECTION OF EQUIPMENT
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HGT.	HEIGHT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF, AUTOMATIC SWITCH
HP	HORSEPOWER
HZ	HERTZ (CYCLE PER SECOND)
IEI	INTERNATIONAL ASSOCIATIONS OF ELECTRICAL INSPECTORS
IBT	INSTRUMENT BONDING TERMINATION
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEEE	INSTITUTE OF ELECTRICAL ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
IGC	INTERMEDIATE METAL CONDUIT
IS	INTRINSICALLY SAFE
ITE	INFORMATION TECHNOLOGY EQUIPMENT
JB	JUNCTION BOX
KCMIL	ONE THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KVAR	KILOVOLT-AMPERES REACTIVE
KW	KILOWATTS
LDI	LEAKAGE - CURRENT DETECTOR - INTERRUPTER
LED	LIGHT-EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDUIT
LSW	LOAD INTERRUPTER SWITCH
LNG	LIQUIFIED NATURAL GAS
LP-GAS	LIQUID PETROLEUM GAS
LRC	LOCKED-ROTOR CURRENT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MG SET	MOTOR-GENERATOR SET
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
MSHA	MINE SAFETY AND HEALTH ADMINISTRATION
MTD	MOUNTED
MW	MEGAWATTS
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NIU	NETWORK INTERFACE UNIT
NO	NORMALLY OPEN
NPT	NATIONAL (AMERICAN) STANDARD PIPE TAPER
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORIES
NTS	NOT TO SCALE
NUCC	NONMETALLIC UNDERGROUND CONDUIT WITH CONDUCTORS
OCPD	OVERCURRENT PROTECTIVE DEVICE
ONT	OPTICAL NETWORK TERMINAL
P	POLE
PB	PULLBOX OR PUSHBUTTON
PCS	POWER CONVERSION SYSTEM
PCU	POWER-CONDITIONING UNIT
PE	POLYETHYLENE
PF	POWER FACTOR
PHEV	PLUG-IN HYBRID ELECTRIC VEHICLE
PLC	PROGRAMMABLE LOGIC CONTROLLERS
PLFA	POWER-LIMITED FIRE ALARM
PNL	PANEL
PoE	POWER OF ETHERNET
PWR	POWER
RMC	RIGID METAL CONDUIT
RMS	ROOT MEAN SQUARE
RNC	RIGID NONMETALLIC CONDUIT
RP	REVOLUTIONS PER MINUTE
RTRC	REINFORCED THERMOSETTING RESIN CONDUIT
SCR	SUPERVISORY CONTROLLED RECTIFIER
SP	SPARE
SPD	SURGE-PROTECTIVE DEVICE
SW	SWITCH
SWD	SWITCHING DUTY
SYM	SYMMETRICAL
T	TRANSFORMER
TEFC	TOTALLY ENCLOSED FAN-COOLED
TEMP	TEMPERATURE
TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
TR	TAMPER-RESISTANT
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP.	TYPICAL
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
V	VOLT
VA	VOLT-AMPERE
VAC	VOLTS ALTERNATING CURRENT
VAR	VOLT-AMPERE REACTIVE
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VT	VOLTAGE TRANSFORMER
VOM	VOLT-OHM-MULTIMETER
W	WIRE
W-hr	WATT-HOUR
WP	WEATHER-PROOF
WPT	WIRELESS POWER TRANSFORMER
WPTE	WIRELESS POWER TRANSFORMER EQUIPMENT
WR	WEATHER RESISTANT
Δ	DELTA
Y	WYE
φ	PHASE

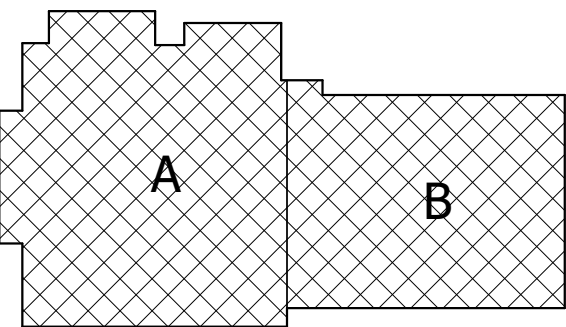
DESCRIPTION	MOUNTING HEIGHT	SYMBOL
LIGHTING CONTROLS		
LIGHTSWITCH; LOW VOLTAGE (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	46"	
EXAM LIGHT SWITCH	46"	
NIGHT LIGHT SWITCH WITH CONSTANT ILLUMINATED HANDLE	46"	
SURGICAL LIGHT INTENSITY CONTROL	46"	
LOW VOLTAGE DIMMER SWITCH (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	46"	
GRAPHIC TOUCHSCREEN CONTROL STATION	46"	
LINE VOLTAGE SWITCH	46"	
LINE VOLTAGE THREE-WAY, FOUR-WAY SWITCH	46"	
LINE VOLTAGE THREE-WAY, FOUR-WAY DIMMER SWITCH	46"	
KEYED SWITCH	46"	
OCCUPANCY OR VACANCY SENSOR SWITCH	46"	
OCCUPANCY OR VACANCY SENSOR SWITCH WITH DIMMER	46"	
LIGHT SWITCH FOR UNDER-CABINET LIGHTS	46"	
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)	46"	
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)	46"	
TIMER SWITCH	46"	
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	
OCCUPANCY SENSOR, CEILING MOUNT	CLG	
DAYLIGHT SENSOR	AS NOTED	
PHOTOCELL	AS NOTED	
LIGHTING RELAY	AS NOTED	
EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL)	CLG	
POWER OUTLETS		
SIMPLEX RECEPTACLE (WHERE PRESENT, TEXT INDICATES RECEPTACLE TYPE)	1'-6"	
DUPLEX RECEPTACLE	1'-6"	
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTER/ TOP 4" ABOVE BACKSPLASH (WHERE PRESENT, TEXT INDICATES RECEPTACLE TYPE)		
"G" INDICATES INTERGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	
DEAD FRONT GFCI DEVICE, LABEL AND INSTALL IN READILY ACCESSIBLE LOCATION		
DUPLEX RECEPTACLE WITH TWO INTEGRAL USB PORTS	1'-6"	
USB CHARGING OUTLET WITH FOUR INTEGRAL USB PORTS	1'-6"	
GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTNING CIRCUIT IS 277V)	46"	
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	
QUADRUPLEX RECEPTACLE	1'-6"	
JUNCTION BOX, CEILING OR WALL		
VOLTAGE/2 POLE RECEPTACLE, TEXT INDICATE NEMA TYPE	1'-6"	
VOLTAGE/3 POLE RECEPTACLE, TEXT INDICATE NEMA TYPE	1'-6"	
"T" INDICATE SAFETY TYPE, TEAMPER RESISTANT OUTLET(S)		
SS INDICATES SURGE SUPPRESSION TYPE OUTLET		
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF "WHILE IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS	2'-2"	
DUPLEX FOR ELECTRIC WATER COOLER; COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER, PROVIDE READILY ACCESSIBLE GFI DEVICES AT 18" ADJACENT TO WATER COOLER		
FULLY CONTROLLED PLUG LOAD DUPLEX / QUAD RECEPTACLE		
BOX ON ANY DEVICE INDICATES SURFACE MOUNTED BACKBOX / WIREMOLD		
CIRCLE ON ANY DEVICE INDICATES DEVICE FED FROM STUB UP CONDUIT		
SPECIAL OUTLETS		
FLOORBOX, AS SCHEDULED	FLOOR	
POKE-THRU, AS SCHEDULED	FLOOR	
WALLBOX, AS SCHEDULED	WALL	
AUDIO SYSTEM OUTLET WITH DUPLEX RECEPTACLE, REFER TO DETAILS FOR ADDITIONAL INFORMATION	1'-6"	
COMBINATION POWER AND DATA OUTLET LOCATION, REFER TO DETAILS FOR ADDITIONAL INFORMATION	1'-6"	
COMBINATION POWER AND DATA OUTLET LOCATION, GFCI DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	
OVERHEAD PROJECTOR; PROVIDE DUPLEX RECEPTACLE, ONE DATA, HDMI, 3.5mm AUDIO, AND VGA OUTLET ON (3) PLATES	CLG	
SPECIAL VIDEO SYSTEM SIGNAL INPUT		
SURFACE PLUG-MOLD		
SURFACE WIRE-MOLD		
POWER POLE AS NOTED		



OLD EVERETT HIGH SCHOOL - TASK 5

CONSULTANTS

KEYPLAN

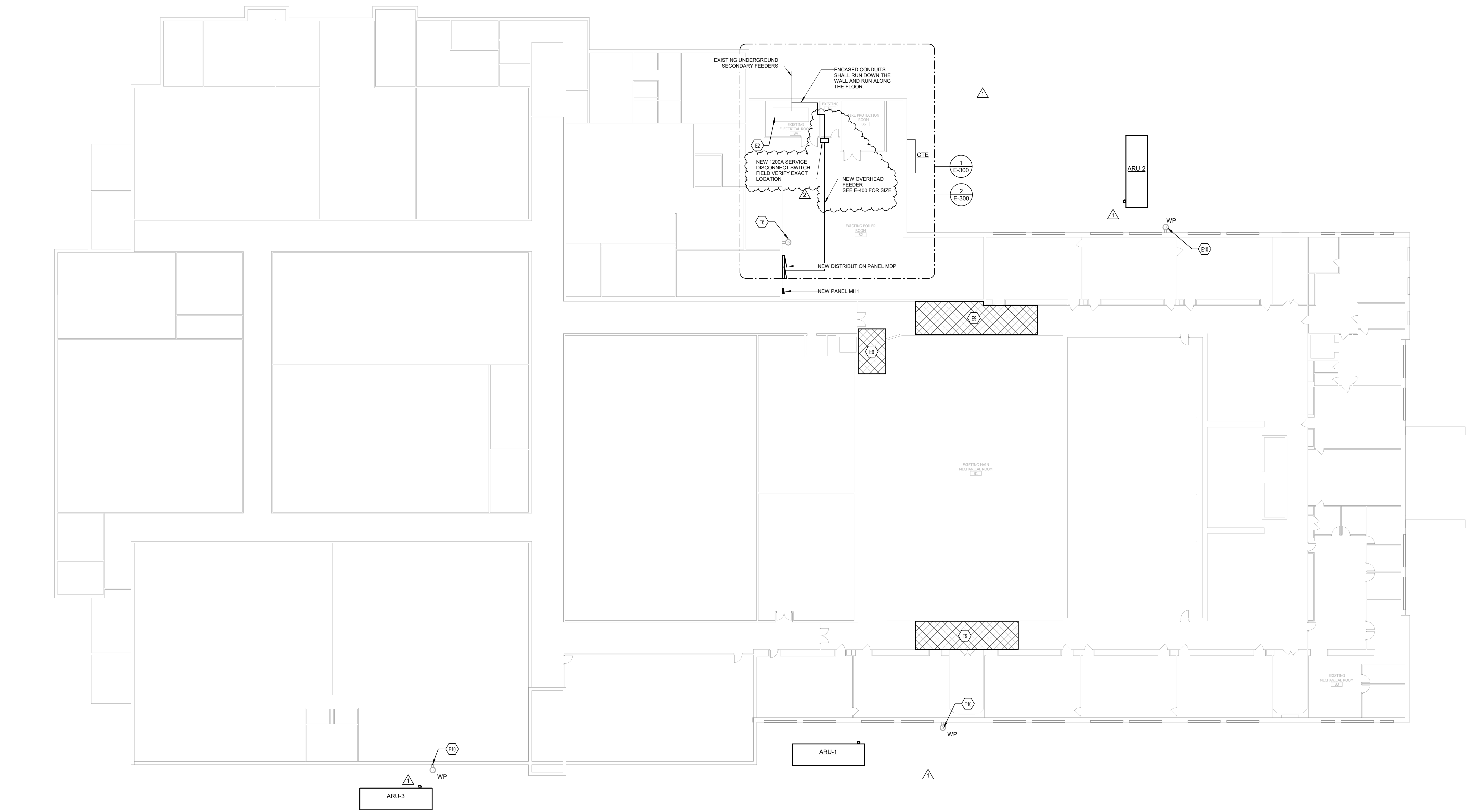


2	10/05/2026	Addendum 2
	9/28/2026	Addendum 1
#	Date	Description

EMS26

ELECTRICAL BASEMENT POWER PLAN

E-200



1 ELECTRICAL BASEMENT POWER PLAN
SCALE: 1/16" = 1'-0"

SCALE: 1/16" = 1'-0"

PANELBOARD SCHEDULE												
PANEL: MDP VOLTAGE: 480Y/277V, 3P, 4W AMPERES: 1200 A					MAINS TYPE: MLO SPD: MOUNTING: SURFACE			PANEL INTERRUPTING RATING: 65 kAIC LOCATION: EXISTING BOILER ROOM B2 SUPPLY FROM:				
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES
	1				0.0	0.0					2	
	3	SPARE	100 A	3		0.0	0.0				4	
	5						0.0	0.0			6	
	7				0.0						8	
	9	SPD	100 A	3		0.0					10	
	11						0.0				12	
	13										14	
	15										16	
	17										18	
	19										20	
	21										22	
	23										24	
	25										26	
	27										28	
	29										30	
	31										32	
	33										34	
	35										36	
	37				0.0	166.2					38	
	39	EXISTING SWITCHBOARD	600 A	3		0.0	166.2				40	
	41						0.0	166.2			42	
					166.2 kVA	166.2 kVA	166.2 kVA					
					600 A	600 A	600 A					
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS				
HVAC		498600 VA		85.00%		423810 VA		TOTAL CONNECTED LOAD: 498600 VA				
								TOTAL ESTIMATED DEMAND: 423810 VA				
								TOTAL CONNECTED CURRENT: 600 A				
								TOTAL ESTIMATED DEMAND CURRENT: 510 A				
								25 % ADDITIONAL CAPACITY: 127 A				
								TOTAL PANEL CURRENT: 637 A				
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.												

PANELBOARD SCHEDULE													
PANEL: MH1 VOLTAGE: 480Y/277V, 3P, 4W AMPERES: 600 A					MAINS TYPE: MLO SPD: MOUNTING: SURFACE			PANEL INTERRUPTING RATING: 42,000A LOCATION: EXISTING BOILER ROOM B2 SUPPLY FROM: MDP					
NOTES	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	NOTES	
	1				55.4						2		
	3	ARU-1	200 A	3		55.4					4		
	5						55.4				6		
	7				55.4						8		
	9	ARU-1	200 A	3		55.4					10		
	11						55.4				12		
	13				55.4						14		
	15	ARU-1	200 A	3		55.4					16		
	17						55.4				18		
	19							55.4			20		
	21										22		
	23										24		
	25										26		
	27										28		
	29										30		
	31										32		
	33										34		
	35										36		
	37										38		
	39										40		
	41										42		
					166.2 kVA	166.2 kVA	166.2 kVA						
					600 A	600 A	600 A						
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS					
HVAC		498600 VA		85.00%		423810 VA		TOTAL CONNECTED LOAD: 498600 VA					
								TOTAL ESTIMATED DEMAND: 423810 VA					
								TOTAL CONNECTED CURRENT: 600 A					
								TOTAL ESTIMATED DEMAND CURRENT: 510 A					
								0 % ADDITIONAL CAPACITY: 0 A					
								TOTAL PANEL CURRENT: 510 A					
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.													

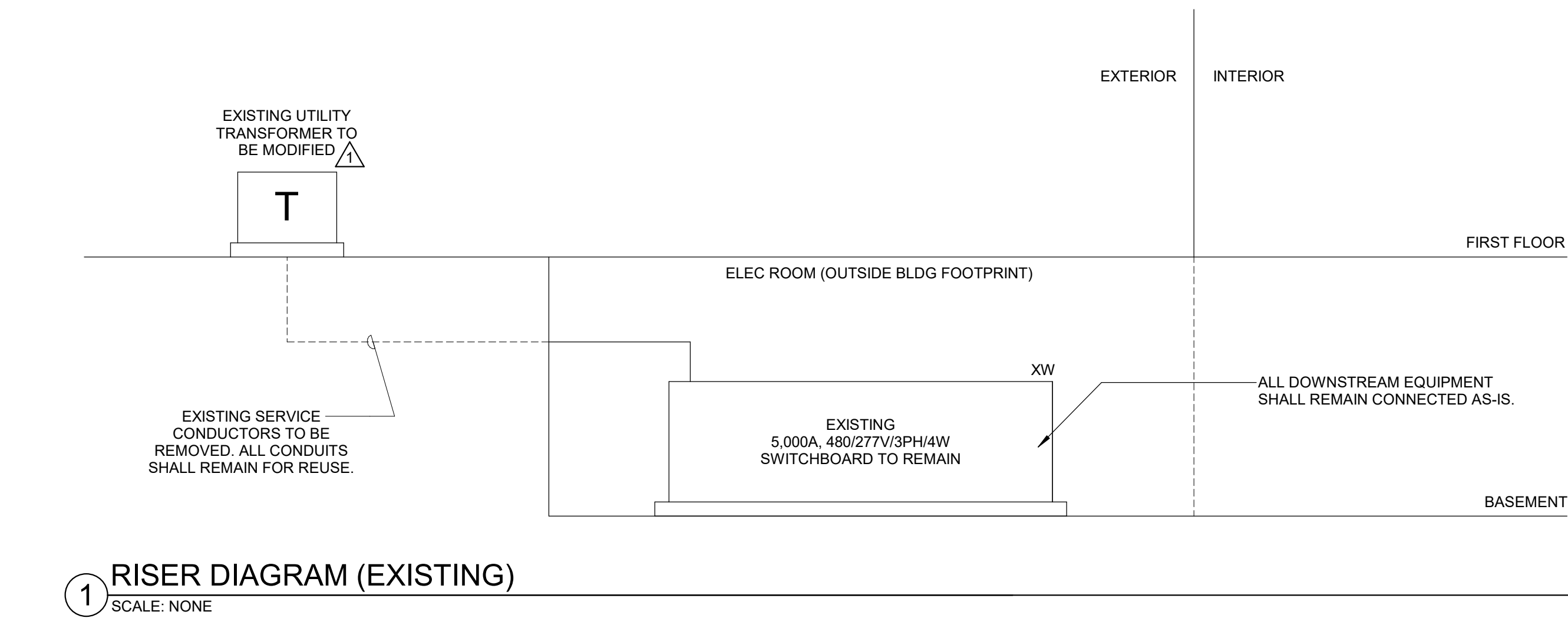
ELEC - EQUIPMENT CONNECTION SCHEDULE												
EQUIP ID	DESCRIPTION	HP	VOLTAGE	MCA	kVA	PANEL FED FROM	Circuit Number	E_FEEDER	NEMA RATING	DISCONNECT MEANS	FURNISHED BY	REMARKS
ARU-1	AIR COOLED CONDENSER		480	165		MH1	1,3,5	3#250, 1#4 - 2 1/2"	3R	DISC	DIV 26	PROVIDE NEW GFCI RECEPTACLE LOCATED WITHIN 25'-0" OF UNIT. EXTEND 2#10, 1#10G-1/2"C TO NEAREST 120V PANEL, AND PROVIDE NEW 20A/1P BREAKER, AS NECESSARY.
ARU-2	AIR COOLED CONDENSER		480	165		MH1	7,9,11	3#250, 1#4 - 2 1/2"	3R	DISC	DIV 26	PROVIDE NEW GFCI RECEPTACLE LOCATED WITHIN 25'-0" OF UNIT. EXTEND 2#10, 1#10G-1/2"C TO NEAREST 120V PANEL, AND PROVIDE NEW 20A/1P BREAKER, AS NECESSARY.
ARU-3	AIR COOLED CONDENSER		480	165		MH1	13,15,17	3#250, 1#4 - 2 1/2"	3R	DISC	DIV 26	PROVIDE NEW GFCI RECEPTACLE LOCATED WITHIN 25'-0" OF UNIT. EXTEND 2#10, 1#10G-1/2"C TO NEAREST 120V PANEL, AND PROVIDE NEW 20A/1P BREAKER, AS NECESSARY.

ELECTRICAL ENERGY USE SUBMETERING -

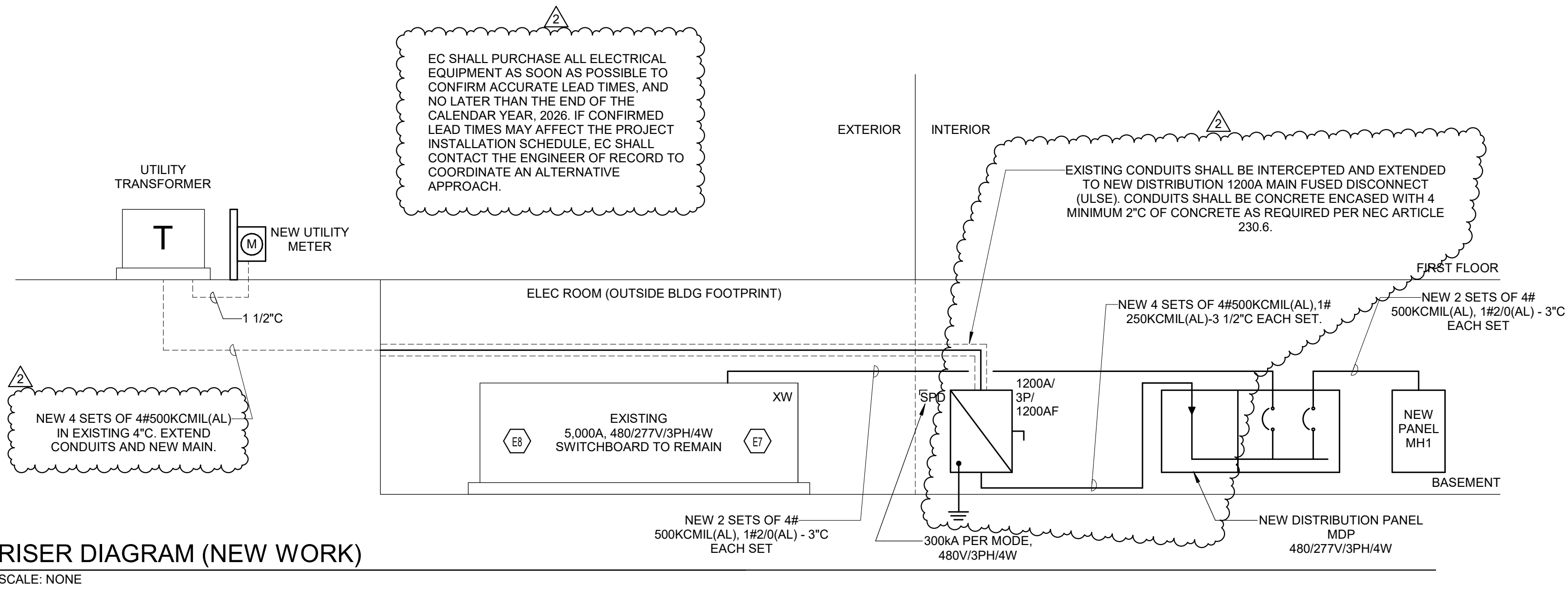
PROVIDE SUBMETERING (BOD: EGAUGE ENERGY METERING SYSTEM) FOR THE BUILDING WITH CTS AT PANELS/SWITCHGEAR DEFINED BELOW. PROVIDE 3-PHASE CTS AT EACH PANEL/SWITCHGEAR AND TOTAL LOADS PER CATEGORY FOR FINAL READOUTS AND PROVIDE GRAPHS FOR EACH ACCORDINGLY. PROVIDE (1) METER PER NEW PANEL WITH 3-PHASE LOADS BEING (3) POINTS EACH. METERS TO BE LOCATED IN ELECTRICAL CLOSETS. ALL METERS SHALL BE CAPABLE OF RECORDING ELECTRICAL ENERGY USAGE WITH A MINIMUM RECORDING INTERVAL OF 15 MINUTES. THE RECORDED DATA SHALL BE REPORTED HOURLY, DAILY, MONTHLY, AND ANNUALLY TO THE ENERGY MANAGEMENT SYSTEM (EMS). THE METERING SYSTEM SHALL BE CAPABLE OF MAINTAINING ALL DATA COLLECTED FOR A MINIMUM OF 36 MONTHS. PROVIDE GRAPHS FOR LIGHTING, MECHANICAL, AND KITCHEN LOADS. PROVIDE NETWORK CONNECTION TO THE METERING SYSTEM AS REQUIRED FOR REPORTING.

ELECTRICAL RISER NOTES

- PROVIDE ENGRAVED LAMACOID LABELS FOR ALL POWER DISTRIBUTION EQUIPMENT FURNISHED OR MODIFIED IN THIS PROJECT. LABELS PER DETAILS AND SPECIFICATIONS.
- SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT AT THE EQUIPMENT AND THE DATE THE CALCULATION WAS PERFORMED. APPLY A TYPE-WRITTEN ADHESIVE LABEL WITH WHITE BACKGROUND, 1/2" HIGH BLACK LETTERING.
- CONTRACTOR SHALL INSTALL SEPARATE CONDUITS, PULL BOXES, ETC. FOR EACH EMERGENCY POWER BRANCH & NORMAL POWER PER NEC FOR COMPLETE SEPARATION OF POWER SERVICES.
- ALL CIRCUIT BREAKERS AND/OR DISCONNECTS SERVING THE PRIMARY SIDE OF A TRANSFORMER WHICH ARE NOT WITHIN SITE OF THE TRANSFORMER SHALL BE PROVIDED WITH PERMANENTLY INSTALLED MEANS TO LOCK THE BREAKER IN THE OFF POSITION. SUCH TRANSFORMERS SHALL HAVE THE ROOM NAME AND NUMBER OF THE PRIMARY DISCONNECTING MEANS ENGRAVED ON THE EQUIPMENT NAMEPLATE.
- REFER TO SPECIFICATIONS FOR ARC FLASH AND RELATED POWER SYSTEM STUDY REQUIREMENTS.



1 RISER DIAGRAM (EXISTING)
SCALE: NONE



2 RISER DIAGRAM (NEW WORK)
SCALE: NONE

PROJECT

**OLD EVERETT HIGH SCHOOL -
TASK 5**

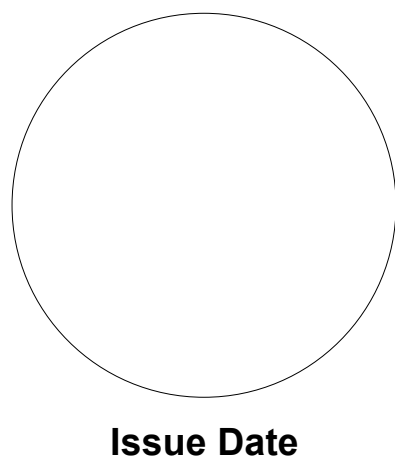
548 Broadway, Everett, MA 02149

CLIENT

CITY OF EVERETT, MA

CONSULTANTS

REGISTRATION



KEYPLAN

ISSUE / REVISION

#	Date	Description
2	10/05/2026	Addendum 2
1	9/28/2026	Addendum 1

PROJECT NUMBER

BEMS26

SHEET TITLE

**ELECTRICAL RISER DIAGRAM &
SCHEDULES**

SHEET NUMBER

E-400

NOT FOR CONSTRUCTION

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX		SYSTEM OUTPUTS																										
		FACP ANNUNCIATION							NOTIFICATION							REQUIRED FIRE SAFETY CONTROL												
SYSTEM INPUTS		FIRE ALARM SYSTEM OUTPUTS																										
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y		
1	FIRE ALARM SYSTEM AC POWER FAILURE																										1	
2	FIRE ALARM SYSTEM LOW BATTERY																										2	
3	OPEN CIRCUIT																										3	
4	GROUND FAULT																										4	
5	NOTIFICATION APPLIANCE CIRCUIT SHORT																										5	
6	BUILDING MANUAL PULL STATIONS																										6	
7	CORRIDOR SMOKE DETECTORS																										7	
8	AREA SMOKE DETECTORS																										8	
9	HVAC AIR DUCT SMOKE DETECTORS																										9	
10	ROOM FIRE SUPPRESSION SYSTEM ALARM																										10	
11	SPRINKLER TAMPER SWITCH																										11	
12	SPRINKLER WATER FLOW IN BUILDING																										12	
13	SPRINKLER WATER FLOW IN ELEV EQUIP RM OR SHAFT																										13	
14	ELEV EQUIP RM AREA SMOKE DETECTOR																										14	
15	ELEV SHAFT AND ELEV EQUIP RM HEAT DETECTORS																										15	
16	ELEV LOBBY SMOKE DETECTORS - UPPER FLOORS																										16	
17	ELEV LOBBY SMOKE DETECTOR - RECALL FLOOR																										17	
18	ELEV CONTROLLER POWER SHUNT TRIP STATUS																										18	
19	FIRE PUMP POWER FAILURE/PHASE REVERSAL																										19	
20	FIRE PUMP RUNNING																										20	
21	FIRE PUMP SYSTEM NOT IN AUTOMATIC																										21	
22	-																										22	
23	-																										23	
24	-																										24	
25	-																										25	
26	-																										26	
27	-																										27	

FACILITY - REV 001/01

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

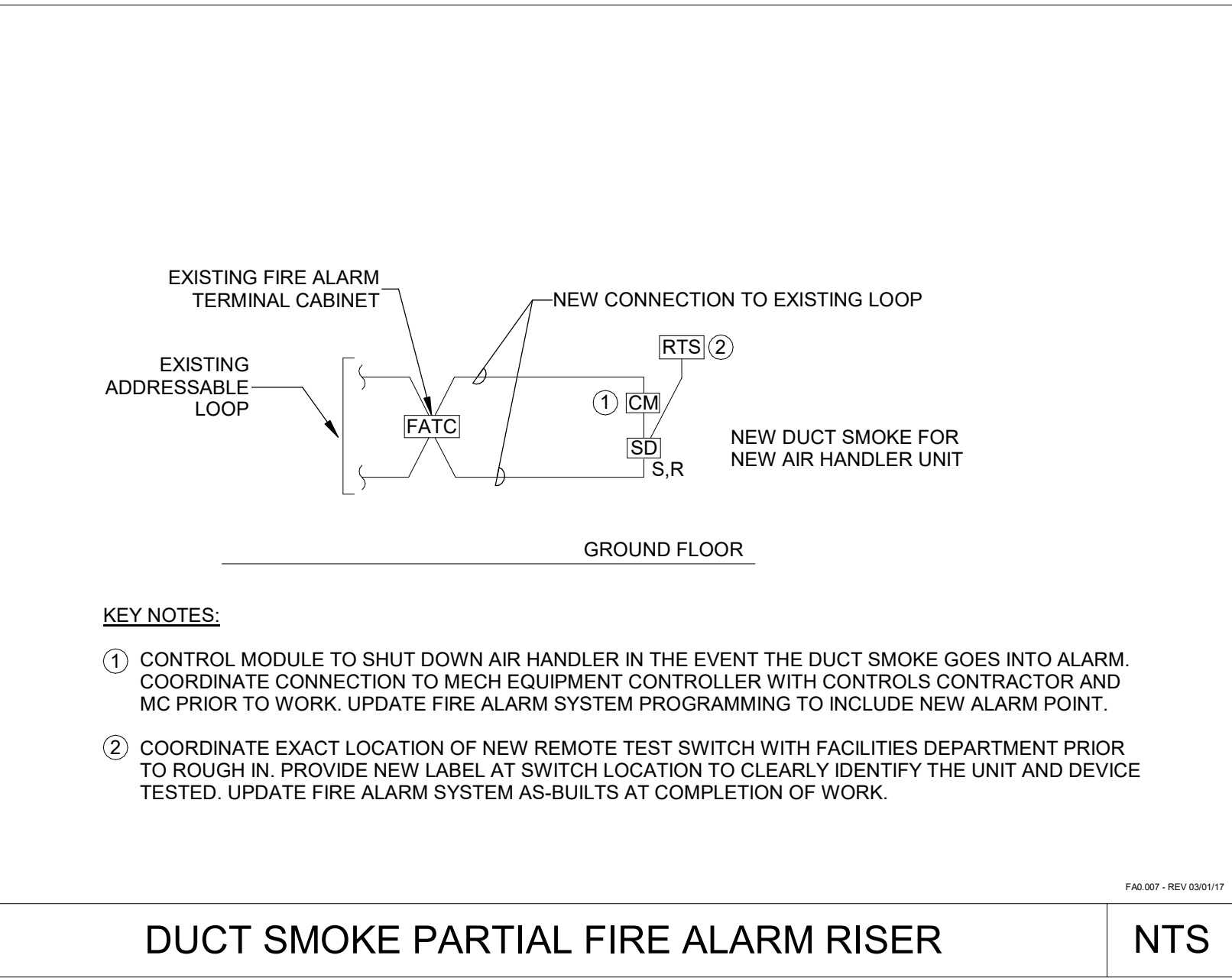
U

V

W

X

Y



FIRE ALARM GENERAL NOTES

- THIS RISER IS PARTIAL. ALL THE DEVICES CONNECTED TO THE "FACP" UNITS ARE NOT SHOWN. THE CONTRACTOR SHALL REFER TO THE ELECTRICAL FLOOR PLANS FOR THE COMPLETE FIRE ALARM SYSTEM. THE EXTENT OF ALL FIRE ALARM SYSTEM WORK IS INDICATED OR IMPLIED ON THE CONTRACT DRAWINGS.
- FIELD VERIFY THE EXACT NUMBER AND LOCATIONS OF ALL MECHANICALLY RELATED ITEMS (SPRINKLER CONNECTIONS, EXTINGUISHING SYSTEMS, SMOKE DAMPERS, RANGE HOOD SUPPRESSION SYSTEMS, ETC.) AND MAKE CONNECTIONS AS REQUIRED INDICATED.
- PROVIDE CONNECTIONS TO ALL FIRE PROTECTION TAMPER AND FLOW SWITCHES VIA ZONE ADDRESSABLE MODULES AS REQUIRED. CONTRACTOR SHALL VERIFY ALL LOCATIONS WITH FIRE PROTECTION SYSTEM SHOP DRAWINGS. CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR COMPLETE INSTALLATION OF A CONNECTION TO EXISTING FIRE PROTECTION SWITCHES.
- ALL FIRE ALARM STROBE LIGHTS SHALL BE SYNCHRONIZED TO ACCOMMODATE BUILDING STANDARDS AS REQUIRED. TAP SPEAKERS TO PROVIDE SUFFICIENT AUDIBILITY FOR AREA SERVED.
- SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 36" TO SUPPLY, RETURN OR EXHAUST AIR OPENINGS NOR CLOSER THAN 12" TO WALL/CEILING INTERSECTIONS.
- ADDITIONAL DUCT DETECTORS MAY BE SHOWN ON MECHANICAL DRAWINGS. PROVIDE AND CONFIGURE DUCT DETECTOR(S) FOR EITHER SHUTDOWN OF EQUIPMENT OR CLOSURE OF SMOKE DAMPER(S) AS REQUIRED BY CODE.
- AIR HANDLING UNITS SHALL ONLY SHUT DOWN WHEN SMOKE IS DETECTED AT THAT PARTICULAR AIR HANDLING UNIT (UOI). SMOKE DAMPERS SHALL CLOSE ONLY WHEN SMOKE IS DETECTED AT THAT PARTICULAR SMOKE DAMPER BY ACTIVATION OF THE CONTROLLING SMOKE DETECTOR. REFER TO THE SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- PROVIDE DUCT SMOKE DETECTORS WITH REMOTE TEST SWITCH/INDICATOR LIGHT AT 7'4" AFF ON WALL IN AREA BELOW DETECTOR.
- RISER DIAGRAM IS FOR BID PURPOSES ONLY. SYSTEM SHALL BE INSTALLED AND CONNECTED IN ACCORDANCE WITH WIRING DIAGRAMS OBTAINED FROM MANUFACTURER. THAT HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL'S OFFICE OR AUTHORITY HAVING JURISDICTION.
- PROVIDE FIRE ALARM MANUFACTURER WITH LOCATION DESCRIPTIONS FOR ALL FIRE ALARM DEVICES AS SOON AS POSSIBLE AFTER AWARD OF CONTRACT FOR PRE-PROGRAMMING OF FIRE ALARM SYSTEM. COORDINATE DESCRIPTIONS WITH BUILDING OWNER. UTILIZE FINAL ROOM NAMES AND NUMBERS, NOT NAMES AND NUMBERS FROM FLOOR PLANS.
- EACH FIRE ALARM DEVICE SHALL BE LABELED WITH SELF ADHESIVE POLYESTER COATED PRINTED LABELS INDICATING DEVICE ADDRESS AND CIRCUIT PER FIRE ALARM SHOP DRAWINGS.
- MODIFY AND/OR EXPAND EXISTING CONTROL PANEL(S) AND ANNUNCIATOR(S) TO ACCOMMODATE AS REQUIRED TO SUPPORT ADDITIONAL DEVICES SHOWN. FURNISH AND INSTALL ANY MODULES OR EQUIPMENT NECESSARY TO EXPAND SYSTEM. EXISTING ANNUNCIATOR(S) AND CONTROL PANEL(S) SHALL BE UPDATED TO DISPLAY TROUBLES AND ALARM LOCATIONS FOR ALL NEW ZONES.
- PROVIDE CONNECTIONS TO NEW ACCESS CONTROL DOORS TO ALLOW POSITIVE LATCHING AND FREE EGRESS UNDER ALARM CONDITIONS. COORDINATE EXACT REQUIREMENTS WITH SUCCESSFUL DOOR HARDWARE MANUFACTURER PRIOR TO CONSTRUCTION.
- PROVIDE ACCESS PANELS AS REQUIRED FOR MAINTENANCE AND TESTING FOR SMOKE DETECTORS LOCATED ABOVE INACCESSIBLE CEILINGS. COORDINATE SIZE AND LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE APPROVED TESTING AND REQUIRED CERTIFICATION OF SYSTEM COMPONENTS AND PROVE OPERATION OF SYSTEM FOR THE AREA OF WORK WHEN COMPLETE.
- WIRING TO ALL FIRE ALARM DEVICES SHALL BE PER NEC AND MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL WIRING REQUIREMENTS WITH THE OWNER AND FIRE ALARM VENDOR.
- ALL NEW DEVICES INDICATED, SUCH AS SMOKE DETECTORS, NOTIFICATION APPLIANCES, ETC., SHALL MATCH AND BE COMPATIBLE WITH EXISTING BUILDING SYSTEM.
- ALL 120V POWER FOR NEW FIRE ALARM SYSTEM COMPONENTS SHALL BE CONNECTED TO EMERGENCY LIFE-SAFETY BRANCH PANELS AS APPLICABLE. PROVIDE ALL NEW POWER CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION.
- PROVIDE A DEDICATED POWER CIRCUIT TO EACH FIRE ALARM EQUIPMENT PANEL OR POWER SUPPLY.
- FIRE ALARM OCP DEVICES SHALL HAVE NON-REMOVABLE LOCKABLE HANDLE PAINTED RED.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL BUILDING PERMITS, ELECTRICAL APPROVALS, AND APPROVALS FROM THE STATE OFFICE OF FIRE SAFETY OR AUTHORITY HAVING JURISDICTION (AHJ). THIS INCLUDES PREPARING DRAWINGS, CUTSHEETS, AND OTHER DOCUMENTATION REQUIRED BY THE AHJ OR FIRE ALARM EQUIPMENT MANUFACTURER. A COPY OF THESE REQUIREMENTS SHALL BE OBTAINED FROM AHJ. THE DRAWINGS SHALL BE PREPARED AS A FINAL SUBMITTAL AS OUTLINED IN THE SUBMITTAL REQUIREMENTS. ELECTRONIC COPIES OF THESE PLANS REQUIRED FOR THIS PURPOSE MAY BE OBTAINED FROM THE ENGINEER. DRAWINGS THAT ARE REQUIRED FOR APPROVAL SHALL BE FINISHED WITHIN 7 WORKING DAYS OF AWARD OF CONTRACT.
- WRITTEN CERTIFICATION OF ENTIRE FIRE ALARM SYSTEM SHALL BE SUBMITTED TO OWNER'S ENGINEER AT CLOSE OF PROJECT.
- A TECHNICAL REPRESENTATIVE OF FIRE ALARM MANUFACTURER SHALL BE PRESENT AT ALL TIMES DURING FIRE ALARM CERTIFICATION.
- CONTRACTOR SHALL MONITOR TROUBLES ON EXISTING PANEL EQUIPMENT ON A DAILY BASIS. WHERE A TROUBLE IS INDICATED, IT SHALL BE REPORTED TO THE OWNER AND CONSTRUCTION SHALL STOP UNTIL TROUBLE IS RESOLVED UNLESS OTHERWISE INDICATED BY OWNER.
- INITIATING DEVICE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE IN SEPARATE RACEWAYS. FIRE ALARM SYSTEM JUNCTION BOXES, BACK BOXES, AND PULL BOXES SHALL BE PAINTED RED.
- PROVIDE QUANTITY OF POWER SUPPLIES AND NAC PANELS BASED UPON FINAL SYSTEM DESIGN AND REQUIRED SPARE CAPACITY. LOCATE ADDITIONAL PANELS ADJACENT TO THOSE SHOWN ON PLANS. DO NOT INSTALL ADDITIONAL EQUIPMENT IN OTHER AREAS OF THE PROJECT WITHOUT WRITTEN CONSENT BY THE ENGINEER.

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
FIRE ALARM - CONTROL UNITS (PANELS)		
MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)		FACP
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR		FAM
REMOTE FIRE ALARM ANNUNCIATOR W/ MICROPHONE		FAMM
SMOKE CONTROL PANEL		SCP
NOTIFICATION CIRCUIT POWER BOOSTER, EXTENDER PANEL		NPB
TRANSPONDER CABINET		TPR
REMOTE TEST STATION		RTS
GRAPHIC ANNUNCIATOR PANEL		GAP
BATTERY CABINET		BAT
BI-DIRECTIONAL AMPLIFIER		BDA
BI-DIRECTIONAL AMPLIFIER ANNUNCIATOR PANEL		BDAI
FIRE ALARM DOCUMENT CABINET		FADC
FIRE ALARM TERMINAL CABINATE		FAT
LCD ANNUNCIATOR VALVE		LCV
MASTER FIRE ALARM CONTROL UNIT		MFACU
POST INDICATOR VALVE		PIV
FIRE ALARM - DEVICES AND EQUIPMENT		
KEYED, LOCKED PULL STATION : DOUBLE ACTION. STATION SHALL ONLY BE OPERABLE VIA KEY IN POSSESSION OF STAFF.		Ⓚ
AUDIO/VISUAL NOTIFICATION APPLIANCE		Ⓚ
AUDIO-ONLY NOTIFICATION APPLIANCE		Ⓚ
VISUAL-ONLY NOTIFICATION APPLIANCE		Ⓚ
BELL / LIGHT		Ⓚ
BELL ONLY		Ⓚ
SMOKE DETECTOR		Ⓚ
PHOTO-ELECTRIC SMOKE DETECTOR		Ⓚ ^P
HEAT DETECTOR		Ⓚ ^H
CONTROL MODULE		CM
MONITOR MODULE		MM
CARBON MONOXIDE DUCT DETECTOR		CD
CARBON MONOXIDE ALARM: SINGLE STATION W/SOUNDER BASE	CLG	Ⓚ
CARBON MONOXIDE AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL	Ⓚ ^{CO}
CARBON DIOXIDE DUCT SENSOR		CD ^S
CARBON DIOXIDE SENSOR	CLG	Ⓚ ^S
DOOR HOLDER: WALL TYPE	WALL	Ⓚ ^H
DOOR HOLDER: CLOSURE TYPE	ABV DOOR	Ⓚ ^H ^C
DUCT SMOKE DETECTOR	ABV CLG	Ⓚ ^S ^{S,R}
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		Ⓚ ^S
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		Ⓚ ^T
PRESSURE SWITCH		Ⓚ ^S
ISOLATION MODULE	WALL	Ⓚ ^I
ZONE ADDRESSABLE MODULE		Ⓚ ^Z
H.V.A.C. SMOKE DAMPER CONNECTION		Ⓚ ^{SD}
FLUSHED MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH		Ⓚ ^{RT}
FIREMAN'S PHONE JACK		Ⓚ ^{FP}
FIREMAN'S KNOW BOX CONNECTION		Ⓚ ^{KB}
ADDRESSABLE RELAY MODULE		Ⓚ ^R
FIRE ALARM - DEVICES AND EQUIPMENT		
INDICATES VANDAL-PROOF POLYCARBONATE COVER, VANDAL PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING		VR
INDICATES CHIME AUDIBLE NOTIFICATION		CH
INDICATES WEATHERPROOF ENCLOSURE		WP
INDICATE WIREGUARD ENCLOSURE		WG
DEVICE USED FOR ELEVATOR CONTROL		EL

GENERAL SYMBOLS

TAGGED NOTE DESIGNATOR	Ⓚ
REVISION TRIANGLE	Ⓚ
POINT OF CONNECTION / CONNECT TO EXISTING	Ⓚ
POINT OF DEMOLITION	Ⓚ
ROOM TAG	ROOM NAME (BULG)

SHEET LIST - FIRE ALARM

SHEET #	SHEET NAME
FA-001	FIRE ALARM LEGEND
FA-002	FIRE ALARM SPECIFICATIONS AND DETAILS
FA-200	FIRE ALARM BASEMENT NEW WORK PLAN
FA-201	FIRE ALARM FIRST FLOOR NEW WORK PLAN



161 Worcester Road, Suite 305
Frammingham, MA 01701
T: 508.647.9200

PROJECT

OLD EVERETT HIGH SCHOOL -
TASK 5

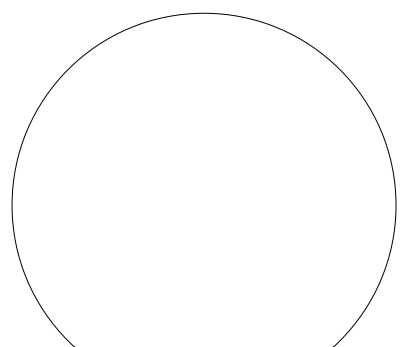
548 Broadway, Everett, MA 02149

CLIENT

CITY OF EVERETT, MA

CONSULTANTS

REGISTRATION



Issue Date

KEYPLAN

ISSUE / REVISION

#	Date	Addendum	Description
2	10/05/2026	Addendum 2	

PROJECT NUMBER

BEMS26

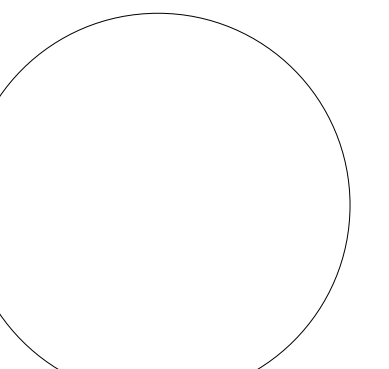
SHEET TITLE

FIRE ALARM LEGEND

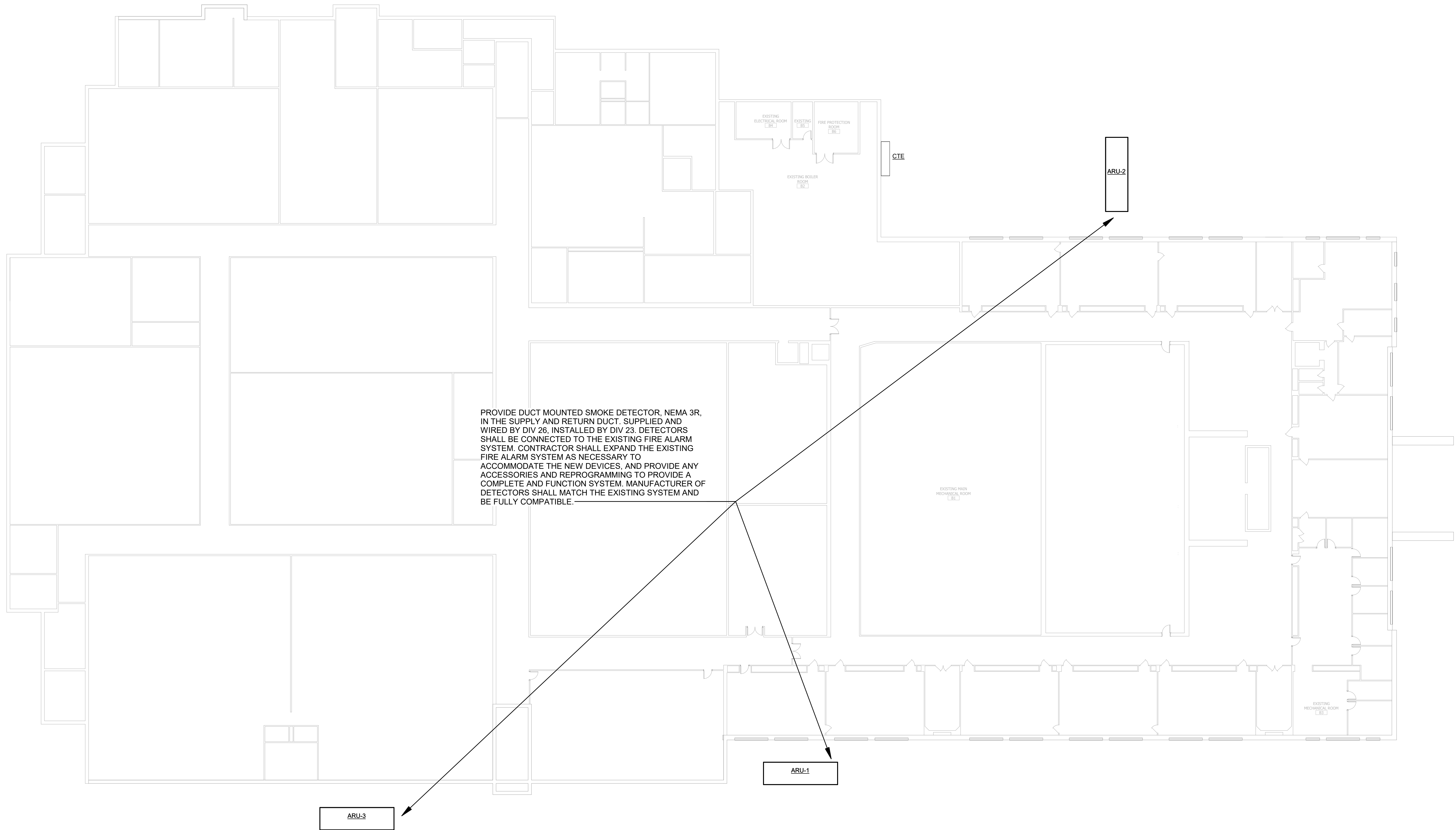
SHEET NUMBER

FA-001

NOT FOR CONSTRUCTION



Issue Date

[illegible]

1 FIRE ALARM BASEMENT NEW WORK PLAN
SCALE: 1/16" = 1'-0"

SCALE: 1/16" = 1'-0"

FILENAME: Autodesks Docs://Old Everett HS - Task 5 Bandaid/THE HS-26_MRP_25.rvt
PLOT TIME: 10/5/2006 11:55:05 AM

NOT FOR CONSTRUCTION

**OLD EVERETT HIGH SCHOOL -
TASK 5**

48 Broadway, Everett, MA 02149

CITY OF EVERETT, MA

CONSULTANTS

REGISTRATION



KEYPLAN

ISSUE / REVISION

[illegible]

EMS26

FIRE ALARM FIRST FLOOR NEW WORK PLAN

FA-201 

NOT FOR CONSTRUCTION

SCALE: 1/16" = 1'-0"