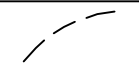
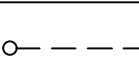
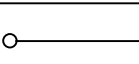
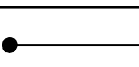
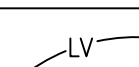
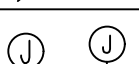
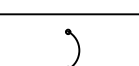
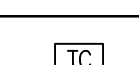
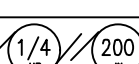
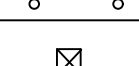
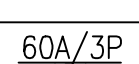
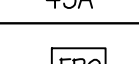
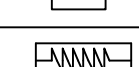
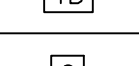
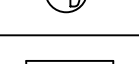
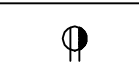
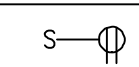
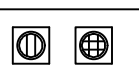
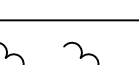
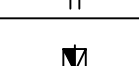
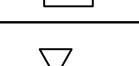
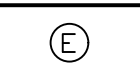
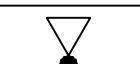
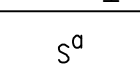
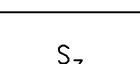
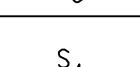
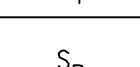
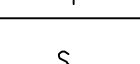
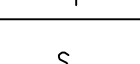
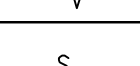
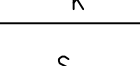
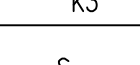
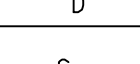
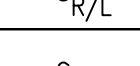
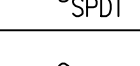
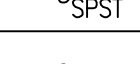
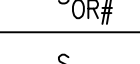
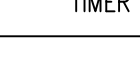
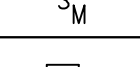
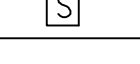
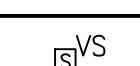
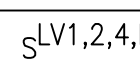
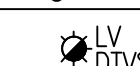
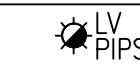
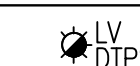
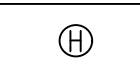
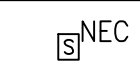


SYMBOL LIST	
SYMBOL	DESCRIPTION
GENERAL	
	HOME RUN. NO. OF ARROWS INDICTED NO. OF CIRCUITS
	HASH MARKS INDICATE #12 AWG CONDUCTORS IN EXCESS OF TWO.
	CONCEALED CIRCUITING RUN IN HUNG SPACE &/ OR WALLS
	CIRCUITING RUN IN OR BELOW SLAB
	CONDUIT IN SLAB RUN TO NEAREST WALL OR COLUMN
	WIRING/ CDT TURNING UP
	WIRING/ CDT TURNING DOWN
	LOW VOLTAGE WIRING
	JUNCTION BOX EXPOSED OR WALL MTD
	LIGHTING & APPLIANCE PANELBOARD SURFACE MOUNTED
	LIGHTING & APPLIANCE PANELBOARD RECESSED MOUNTED
	LINE CIRCUIT BREAKER
	TIME CLOCK
	MOTOR, NUMERICAL INDICATES HORSEPOWER OR WATTAGE
	MAGNETIC MOTOR STARTER (FBO)
	DISCONNECT SWITCH. 30A-3P NON-FUSIBLE UNLESS OTHERWISE NOTED
	SWITCH & FUSE SIZE. TOP NO. INDICATES SWITCH, LOWER NO. INDICATES FUSE SIZE
	EMERGENCY POWER OFF SWITCH (ie: BOILER,ETC.)
	CABINET HEATER WITH FAN AND/OR ELECTRIC COIL
	HOT WATER HEATER
	ELECTRIC HAND DRYER (42" AFF)
	ELECTRICAL TERMINAL BLOCK
	PUSH BUTTON CONTROL
	LEAK DETECTION SENSOR
	LEAK DETECTION PANEL
POWER AND COMMUNICATIONS	
	DUPLEX RECEPTACLE
	SINGLE RECEPTACLE
	QUAD RECEPTACLE
	FLOOR MOUNTED DUPLEX RECEPTACLE, "DD" DENOTES QUAD
	DUPLEX RECEPTACLE W/ GROUND FAULT CIRCUIT INTERRUPTER
	1/2 SWITCHED DUPLEX RECEPTACLE
	COMBINATION SWITCH OUTLET
	SPECIAL RECEPTACLE AS INDICATED ON DWG.
	COMMUNICATION FLOOR BOX (FLUSH MTD.) (SEE COMMUNICATION SYMBOL TYPES FOR MORE INFORMATION)
	POWER FLOOR BOX (FLUSH MTD.) (DUP. OR QUAD)
	COMBINATION POWER AND TELEPHONE OR DATA FLOOR BOX (SEE TELE/DATA SYMBOLS FOR MORE INFORMATION ON CABLING).
	FLUSH FLOOR MOUNTED JUNCTION BOXES FOR FURNITURE POWER WITH ADAPTER PLATES FOR POWER AND COMMUNICATION WIRING TO LANDSCAPE/WORK STATION FURNITURE. "T"=TELEPHONE, "D"=DATA, "P"= POWER.
	DUPLEX RECEPTACLE MTD IN PARTITION
	COMMUNICATION RECEPTACLE MTD IN PARTITION (SEE TELE/DATA SYMBOLS FOR MORE INFO. ON CABLING).
	POWER/COMMUNICATION POLE
	COMMUNICATIONS OUTLET W/ 3/4" CONDUIT & DRAGLINE RUN TO ACCESSIBLE LOCATION FOR FUTURE CABLING (FBO)
	TELEPHONE OUTLET W/ 3/4" CONDUIT & DRAGLINE RUN TO ACCESSIBLE LOCATION FOR FUTURE CABLING (FBO)
	COMBINATION DATA/TEL OUTLET W/ 3/4" CONDUIT & DRAGLINE RUN TO ACCESSIBLE LOCATION FOR FUTURE CABLING (FBO)
	DOUBLE POLE SINGLE THROW SWITCH
	SINGLE POLE SINGLE THROW SWITCH

SYMBOL LIST	
SYMBOL	DESCRIPTION
LIGHTING	
	DC EMERGENCY LIGHT – PENDANT
	WEATHERPROOF WALL MOUNTED LIGHT FIXTURE
	BATTERY OPERATED EMERGENCY LIGHT
	EXIT LIGHT, ARROW INDICATES DIRECTION (CLG. OR WALL MTD)
	SINGLE POLE SWITCH; "o" INDICATES SWITCH CONTROL
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	SWITCH & PILOT
	MOTOR THERMAL SWITCH
	VARIABLE SPEED SWITCH
	KEYED SWITCH
	KEYED SWITCH (THREE-WAY)
	DIMMER SWITCH
	SINGLE POLE SWITCH TO RAISE AND LOWER PROJECTION SCREEN
	SINGLE POLE DOUBLE THROW SWITCH
	SINGLE POLE SINGLE THROW SWITCH
	MOMENTARY OVERRIDE SWITCH "H" INDICATES SWITCH NUMBER
	120V SINGLE GANG RECESSED WALL TIMER (LENGTH OF TIME AS INDICATED ON DWGS)
	MOMENTARY SWITCH
	WALL MOUNTED VACANCY SENSOR
	VACANCY SENSOR, LETTER INDICATES MODEL AND MOUNTING
	VACANCY SENSOR POWER PACK, S = SLAVE PACK
	LIGHTING CONTACTOR
ACCUTY SYMBOLS	
	120V WALL MOUNTED VACANCY SENSOR
	ONE, TWO OR FOUR BUTTON LOW VOLTAGE WALL/DIMMER SWITCH WHEN "D" INDICATED ALSO
	LOW VOLTAGE WALL/KEY SWITCH SINGLE POLE DOUBLE THROW
	LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR
	LOW VOLTAGE CEILING MOUNTED PASSIVE INFRARED PHOTOCELL SENSOR
	LOW VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY PHOTOCELL SENSOR
	POWER PACK, "SA" = SEMI AUTOMATIC-MANUAL ON, "D" = DIMMING SLAVE PACK
	HUB
	nLIGHT ECLYPSE TIME-BASED CONTROL
	nLIGHT ECLYPSE WALLPAD
	BRIDGEPORT WITH POWER SUPPLY
	POWER SUPPLY INPUT (120/277V)

ELECTRICAL GENERAL DESCRIPTION OF WORK SCOPE
INSTALLATION OF NEW ELECTRICAL SYSTEMS INCLUDING BUT NOT LIMITED TO ELECTRICAL AND MECHANICAL EQUIPMENT, RECEPTACLES, LIGHTING, LIGHTING CONTROLS, CIRCUITRY, ETC.

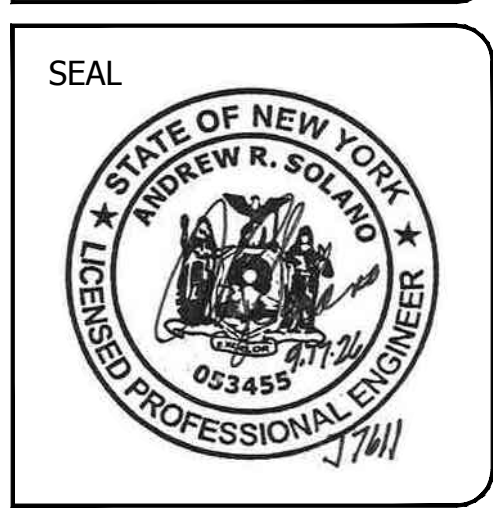
ABBREVIATIONS:			
A	AMPERE	FA	FIRE ALARM
AC	AIR CONDITIONING UNIT	FACP	FIRE ALARM CONTROL PANEL
ACC	AIR COOLED CONDENSING UNIT	FDR	FEEDER
AIC	AMPERE INTERRUPTING CAPACITY	FIN FLR	FINISHED FLOOR
AHU	AIR HANDLING UNIT	FIXT	FIXTURE
AFF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS
ANN	ANNUNCIATOR	FLA	FULL LOAD AMPERES
ARF	ABOVE RAISED FLOOR	FLR	FLOOR
AWG	AMERICAN WIRE GAUGE	FLUOR	FLUORESCENT
BKR	BREAKER	GRD	GROUND
BLDG	BUILDING	GFCI	GROUND FAULT CIRCUIT INTERRUPTING
C	CONDUIT OR CONTACTOR	GFI	GROUND FAULT CIRCUIT INTERRUPTING
CAB	CABINET	HC	HUNG CEILING
CB	CIRCUIT BREAKER	HH	HANDHOLE
CKT	CIRCUIT	HP	HORSEPOWER
CLG	CEILING	HR	HOOR
CLOS	CLOSET	HT	HEIGHT
COMM	COMMUNICATIONS	HZ	HERTZ
CONT	CONTINUATION	IG	ISOLATED GROUND
CORR	CORRIDOR	IMC	INTERMEDIATE METALLIC CONDUIT
CNTR	CONTROL	INCAND	INCANDESCENT
CMPTR	COMPUTER	J	JUNCTION BOX
CT	COUNTER TOP	JB	JUNCTION BOX
CU	COPPER	KCMIL	THOUSAND CIRCULAR MILS
D/S	DISCONNECT SWITCH	KVA	KILOVOLT AMPERE
DN	DOWN	KW	KILOWATT
DWG	DRAWING	LRA	LOCKED ROTOR AMPERE
DG	DIESEL GENERATOR	LTG	LIGHTING
E	EXISTING TO REMAIN	MAX	MAXIMUM
EC	EMPTY CONDUIT	MCA	MINIMUM CIRCUIT AMPERE
EG	EQUIPMENT GROUND	MCB	MAIN CIRCUIT BREAKER
ELECT	ELECTRICAL	MCC	MOTOR CONTROL CENTER
EMERG	EMERGENCY	MER	MECHANICAL EQUIPMENT ROOM
EMT	ELECTRICAL METALLIC TUBING	MH	MANHOLE
EQPT	EQUIPMENT	MIN	MINIMUM
ER	EXISTING TO BE RELOCATED	MLO	MAIN LUGS ONLY
EVC	ELECTRICAL VEHICLE CHARGING STATION	MOCP	MAXIMUM OVERCURRENT PROTECTION
EXIST	EXISTING	MTD	MOUNTED
		MTG	MOUNTING
		MTR	MOTOR
		NC	NORMALLY CLOSED
		NIC	NOT IN CONTRACT
		NO	NORMALLY OPEN
		NTS	NOT TO SCALE
		OC	ON CENTER
		P	POLE
		PB	PULL BOX
		PH	PHASE (ø)
		PNL	PANEL
		PWR	POWER
		R	RELOCATED
		RECPT	RECEPTACLE
		RGS	RIGID STEEL CONDUIT
		RM	ROOM
		RTU	ROOF TOP UNIT
		SD	SMOKE DETECTOR
		SPEC	SPECIFICATION
		SPKLR	SPRINKLER
		SS	STAINLESS STEEL
		SW	SWITCH
		SWGR	SWITCH GEAR
		TB	TERMINAL BLOCK
		TC	TIME CLOCK
		TEL	TELEPHONE
		TRANS	TRANSFORMER
		TYP	TYPICAL
		UH	UNIT HEATER
		UON	UNLESS OTHERWISE NOTED
		UPS	UNINTERRUPTABLE POWER SUPPLY
		V	VOLT OR VOLTAGE
		ViF	VERIFY IN FIELD
		W	WATT
		W/	WITH
		W/O	WITHOUT
		WP	WEATHERPROOF
		XP	EXPLOSION PROOF

DRAWING NO.	TITLE
E-0.1	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
E-0.2	ELECTRICAL GENERAL NOTES
E-1.0	ELECTRICAL SITE PLAN
E-1.1	ELECTRICAL FIRST FLOOR LIGHTING PLAN
E-1.2	ELECTRICAL MEZZANINE LIGHTING PLAN
E-1.3	ELECTRICAL SECOND FLOOR LIGHTING PLAN
E-2.1	ELECTRICAL FIRST FLOOR POWER PLAN
E-2.2	ELECTRICAL MEZZANINE POWER PLAN
E-2.3	ELECTRICAL SECOND FLOOR POWER PLAN
E-2.4	ROOF PLAN/SOLAR LAYOUT
E-5.1	ELECTRICAL DETAILS
E-5.2	ELECTRICAL DETAILS
E-6.1	ELECTRICAL RISER DIAGRAM
E-6.2	ELECTRICAL SCHEDULES
E-7.1	ELECTRICAL SPECIFICATIONS

"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE	ISSUED
06-22-2026	ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026	ISSUED FOR 90%CD REVIEW
08-17-2026	ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PLAZA DRIVE, SUITE 200
ROCKVILLE, MD 20850
P: 301.981.3900 | F: 301.981.3971 | www.sendlewski.com

entec

CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rockville, MD 20850
P: 301.981.3900 | F: 301.981.3971 | www.entec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

PROJECT No. 2501 EMTEC-7611

CHECKED BY: JE/ARS

DRAWING:

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

LIGHTING SYSTEMS COMMISSIONING NOTES:

FUNCTIONAL TESTING:

IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2025 NEW YORK STATE ENERGY CONSERVATION CODE SECTION C408.3, PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 THROUGH C408.3.1.3 FOR THE APPLICABLE CONTROL TYPE.

OCCUPANT SENSOR CONTROLS:

WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS
- FOR PROJECTS WITH SEVEN OR FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
- FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT AND IN NO CASES FEWER THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS OTHERWISE NOTED, WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.

VERIFY THE FOLLOWING:

- WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
- THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
- FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN THE OCCUPANT ENTERS THE SPACE.
- FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
- THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

TIME-SWITCH CONTROLS:

WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
- PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
- VERIFY THE CORRECT DATE AND TIME IN THE TIME-SWITCH.
- VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
- VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
- SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
 - ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
 - THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
- SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
 - NONEXEMPT LIGHTING TURNS OFF
 - MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

DAYLIGHT RESPONSIVE CONTROLS.

WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:

- CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SETPOINTS AND THRESHOLD LIGHT LEVELS.
- DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SETPOINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
- THE CALIBRATION ADJUSTMENT EQUIPMENT IS LOCATED FOR READY ACCESS ONLY BY AUTHORIZED PERSONNEL.

DOCUMENTS REQUIRED TO BE PROVIDED:

ALL DOCUMENTS DESCRIBED IN THIS SECTION SHALL BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

CONSTRUCTION DOCUMENTS SHALL INCLUDE THE LOCATION AND CATALOGUE NUMBER OF EACH PIECE OF EQUIPMENT.

MANUALS:

AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:

- NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
- A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.
- SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
- OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
- A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.

REPORT:

A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:

- RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
- DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF NATIONAL ELECTRIC CODE (NEC), BUILDING CODE OF NEW YORK STATE AND ALL OTHER APPLICABLE LOCAL CODES.
- THE MINIMUM SIZE WIRE SHALL BE #12 COPPER AND ALL WIRE SHALL BE ENCLOSED IN CONDUIT WITH A MINIMUM SIZE OF 3/4".
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH RESPONSIBLE TRADES TO CUT, PATCH AND REPAIR ALL WALL, FLOOR AND CEILING PENETRATIONS AS NEEDED, TO MATCH.
- ALL FIRE RATED WALL PENETRATIONS MUST BE FIRE STOPPED, INCLUDING ANY AIR PIPING, CONDUIT, CABLE TRAYS, ETC.
- PROVIDE ALL REQUIRED PULLBOXES AND MISCELLANEOUS HARDWARE FOR ALL CONDUIT RUNS. ALL CONDUITS SHALL BE PROPERLY SUPPORTED.
- ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
- BALANCE PANELBOARD LOADS EQUALLY OVER ALL PHASES.
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT INSTALLED INDOORS SHALL HAVE NEMA 1 ENCLOSURE AND ALL EQUIPMENT INSTALLED OUTDOORS SHALL HAVE NEMA 3R ENCLOSURES.
- PROVIDE LIQUIDTITE FLEXIBLE CONDUIT CONNECTIONS AT ALL EQUIPMENT SUBJECT TO VIBRATION.
- ALL PANELBOARDS AND ELECTRICAL DISTRIBUTION EQUIPMENT FURNISHED OR UTILIZED UNDER THIS PROJECT SHALL BE PROVIDED WITH PHENOLIC NAMEPLATES INDICATING THE PANEL NAME AND WHERE IT IS FED FROM.
- CIRCUIT NUMBERS SHOWN ON PLANS ARE FOR REFERENCE PURPOSES ONLY.
- REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
- WHERE APPLICABLE, POWER PANEL DIRECTORIES MUST BE UPDATED TO INDICATE NEW CIRCUITS.
- ALL EXISTING LIGHTING/EQUIPMENT/DEVICES AND ASSOCIATED CIRCUITRY NOT SHOWN ON THESE DRAWINGS SHALL REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REWORK EXISTING WIRING TO MAINTAIN SERVICE TO EXISTING DEVICES NOT AFFECTED BY THIS WORK.
- CONTRACTOR SHALL RELOCATE EXISTING DEVICES (IE. OUTLETS, SWITCHES, ETC.) AS NOTED ON THE DRAWINGS. IF DEVICE APPEARS FAULTY OR DAMAGE BY VISUAL INSPECTION, CONTRACTOR SHALL NOTIFY FIELD REPRESENTATIVE AND SHALL REPLACE DEVICE WITH NEW OF SAME MODEL AND RATING. CONTRACTOR SHALL INCLUDE A UNIT PRICE AS PART OF HIS BID FOR REPLACEMENT OF EACH DEVICE IN-KIND NOTED ON DRAWING TO BE RELOCATED.
- ANY DISCREPANCIES SHALL BE DIRECTED TO ARCHITECT PRIOR TO BIDDING. WHERE DISCREPANCIES CANNOT BE RESOLVED PRIOR TO SUBMITTING BIDS, CONTRACTOR TO PROCEED BASED ON MORE COSTLY OR RESTRICTIVE INTERPRETATION.

GROUNDING NOTES:

- GROUND ALL ELECTRICAL WORK IN ACCORDANCE WITH THE LATEST STANDARDS OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUND CABLE SHALL BE STRANDED COPPER WITH TYPE THWN INSULATION AND GREEN OUTER TEXTILE OR COTTON BRAID JACKET.
- GROUNDING CONDUCTORS LARGER THAN #6 SHALL HAVE A MINIMUM BENDING RADIUS OF 12". GROUNDING CONDUCTORS #6 OR SMALLER SHALL HAVE A MINIMUM BENDING RADIUS OF 8".
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
- ALL GROUND CONNECTORS SHALL BE TO A CLEANED AND BRIGHTENED METALLIC SURFACE. UTILIZE STAR WASHERS AT GROUND CONNECTIONS.
- ALL CONDUITS TO BE GROUNDED USING BONDING BUSHINGS AT EACH END.
- REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

LIGHTING CONTROL NOTES:

- MAXIMUM LOAD SWITCHING PER POWER PACK IS 20 AMPERES AT 120VAC. PROVIDE ADDITIONAL POWER PACKS AS REQUIRED.
- MAXIMUM NUMBER OF VACANCY SENSORS OR LOW VOLTAGE DIGITAL TIME SWITCHES CONNECTED TO ONE POWER PACK IS NINE (9).
- CONTRACTOR SHALL SET EACH MOTION SENSOR FOR 30 MINUTE MINIMUM TIME DELAY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBLY TO LOCATE AND AIM THE VACANCY SENSORS FOR COMPLETE COVERAGE PER THE MANUFACTURER'S RECOMMENDATIONS. THE LOCATION OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC ONLY.
- UPON COMPLETION OF INSTALLATION, THE SYSTEM SHALL BE COMMISSIONED BY THE FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A FULLY FUNCTIONAL LIGHTING CONTROL SYSTEM.
- THE CONTRACTOR SHALL ALSO SUPPLY ON SITE TRAINING TO FAMILIARIZE THE OWNER WITH THE USE, ADJUSTMENT AND PROBLEM SOLVING OF THE LIGHTING CONTROL SYSTEM.

SHOP DRAWING SUBMITTAL REQUIREMENTS

- IN ADDITION TO THE SHOP DRAWING SUBMITTAL REQUIRED FOR THE ELECTRICAL SERVICE ENTRY AND DISTRIBUTION EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL PREPARE AND INCLUDE THE FOLLOWING FOR THE PROJECT DESIGN ENGINEER REVIEW AND APPROVAL PRIOR TO RELEASING ANY EQUIPMENT FOR FABRICATION:
 - SHORT CIRCUIT CALCULATION
 - COORDINATION STUDY, UTILIZING THE PROPOSED TO BE INSTALLED EQUIPMENT
 - ARC FLASH STUDY.THE SHOP DRAWINGS SUBMITTAL WITHOUT ABOVE CALCULATIONS AND/OR REPORTS SHALL BE CONSIDERED INCOMPLETE, AND RETURNED WITHOUT ACTION TO THE ELECTRICAL CONTRACTOR.
- BASED ON THE ABOVE CALCULATIONS, ALL LSI CIRCUIT BREAKERS SHALL BE SET/ADJUSTED ACCORDINGLY BY THIS CONTRACTOR.

EMERGENCY RESPONDER RADIO COMMUNICATION SYSTEM (ERRCS)

- UPON SUBSTANTIAL COMPLETION OF EXTERIOR AND INTERIOR BUILDING WALLS, WINDOWS AND DOORS, THE BUILDING MUST BE TESTED FOR EMERGENCY RESPONDER COMMUNICATION SIGNAL STRENGTH TO ASSIST IN DETERMINING IF AN ERRCS MAY BE REQUIRED PER NYS FIRE CODE SECTION 510. COST OF PRELIMINARY TESTING SHALL BE INCLUDED IN CONTRACTORS BID.
- REFER TO E5.05 AND E5.06 SHEETS FOR ADDITIONAL INFORMATION AS REFERENCE ONLY.
- CONTACT: BENNETT TIESINGA AT (516) 631-9876 FOR ADDITIONAL INFORMATION.

DATE ISSUED

08-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PLAZA ONE AVENUE, FIFTH FLOOR, NEW YORK, NY 10001 (646) 727-5552

emtec CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: (951) 351-3900 | F: (951) 351-3971 | www.emtec-engineers.com

PROPOSED NEW FACILITY

ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209

ELLENVILLE, NY 12428

ELECTRICAL GENERAL NOTES

PROJECT No. 2501
EMTEC: 7611

CHECKED BY: JE/ARS

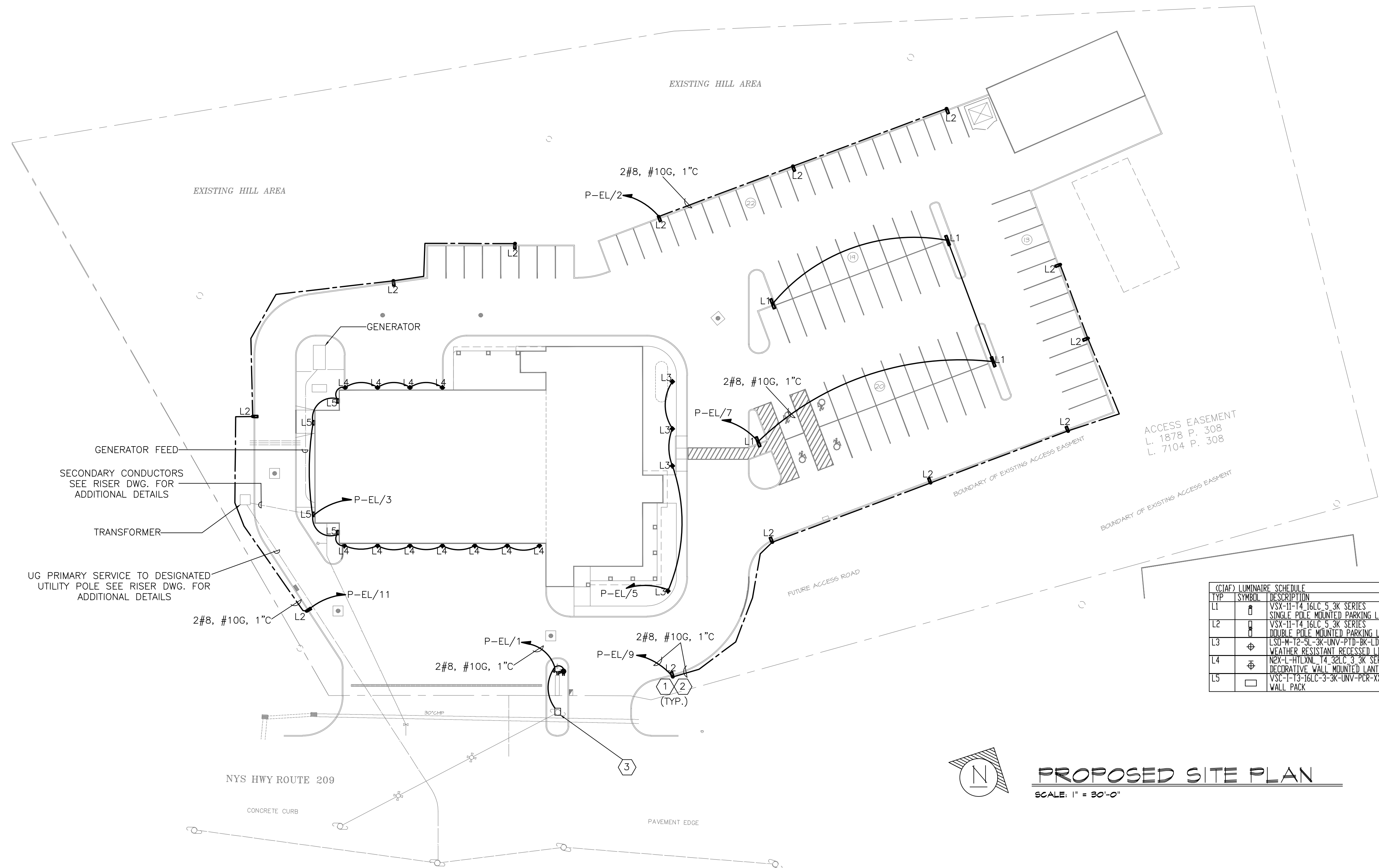
DRAWING:

11-0.2

"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



(C)IAF LUMINAIRE SCHEDULE						
TYP	SYMBOL	DESCRIPTION	LAMP	WATTS	VOLTAGE	LUMENS
L1	⬮	VSY-H-14 JGLC 5 3K SERIES SINGLE POLE MOUNTED PARKING LOT LIGHT	(I)	26	120V	6000
L2	⬮	VSY-H-14 JGLC 5 3K SERIES DOUBLE POLE MOUNTED PARKING LOT LIGHT	(I)	52	120V	5035
L3	⬮	LSU-M-12-5L 3K-UNV-FITD-BK-LD-PCR-XXX WEATHER RESISTANT RECESSED LIGHT FIXTURE	(I)	52	120V	6170
L4	⬮	NPX-L-HILXNL T4 32LC 3 3K SERIES DECORATIVE WALL MOUNTED LANTERN	(I)	34	120V	4800
L5	⬮	VSC-F-13-JGLC-3-3K-UNV-PCR-XXX WALL PACK	(I)	18	120V	4800

KEY NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE NEC LOCAL AUTHORITY REQUIREMENTS.
 - 1.1. PROVIDE WEATHERPROOF FUSED DISCONNECT/TAP ENCLOSURE WHERE REQUIRED
 - 1.2. BOND POLE, HANDHOLE COVER AND GROUNDING CONDUCTOR TOGETHER.
 - 1.3. GROUNDING CONDUCTOR SHALL BE CONTINUOUS FROM SOURCE TO POLE.
 - 1.4. TAP FUSE SIZE: 5A, TIME DELAY TYPE UNLESS FIXTURE MANUFACTURER REQUIRES OTHERWISE.
 - 1.5. 2#12THWN + #12G FROM FUSE TO FIXTURE.
2. SEE DWG E5.2 FOR ADDITIONAL LIGHTING POLE BASE DETAILS.
3. EC TO STUB UP 3/4" INTO POLE FOR TRAFFIC LIGHT.

DATE ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS
216 PARKWAY AVENUE WESTFIELD, NY 11091 (516) 727-5552

emtec
CONSULTING ENGINEERS, P.C.
3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92051 (760) 321-1177
www.emtec-engineers.com

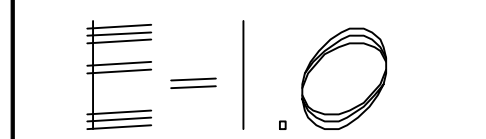
PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL
SITE PLAN

PROJECT No. 2501
EMTEC-7611

CHECKED BY: JE/ARS

DRAWING:

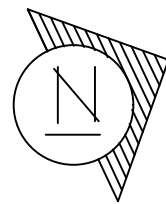


"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

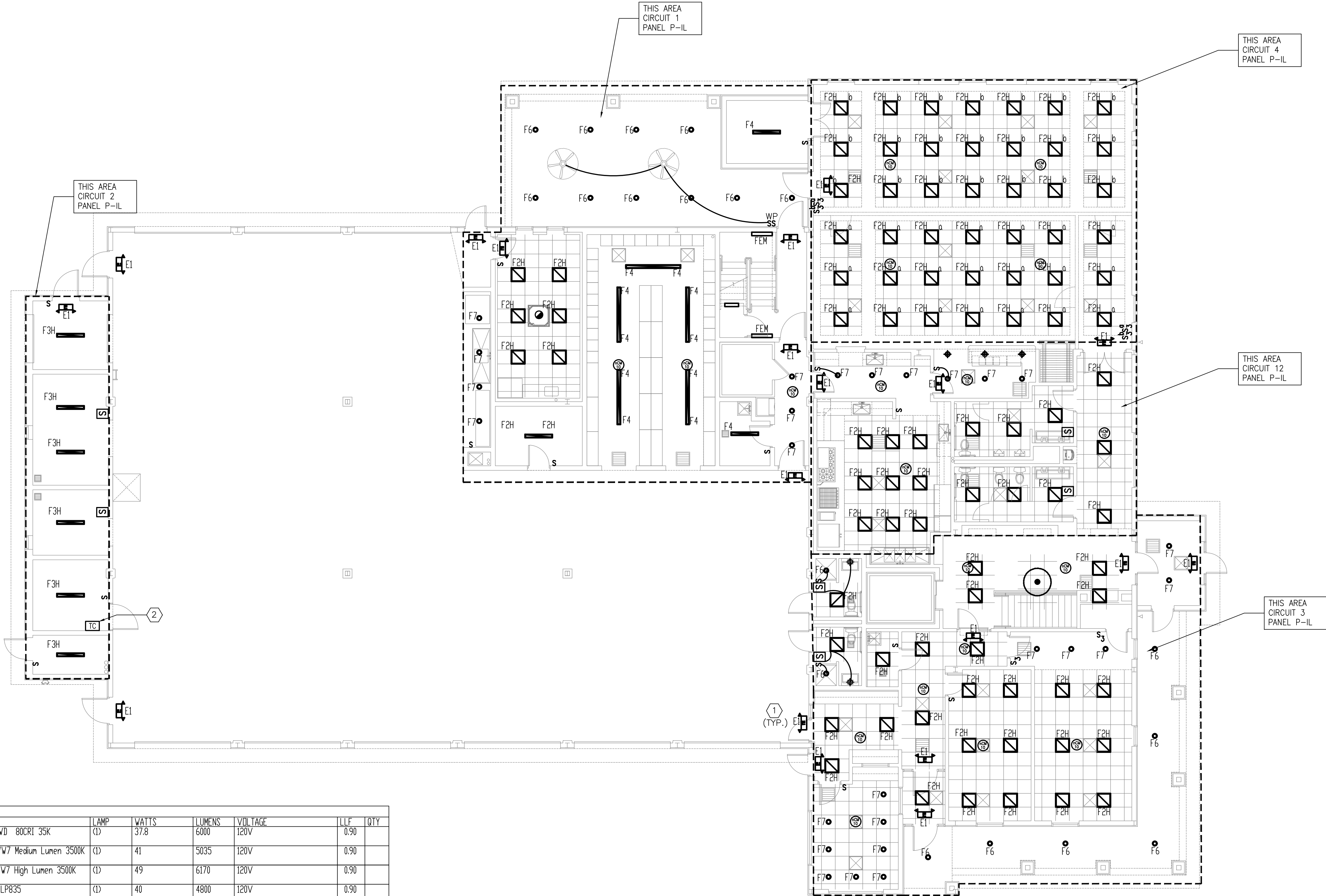
(CTAF) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	WATTS	LUMENS	VOLTAGE	LLF QTY
F1		Holocone EMS L48 6000LM LPAFL WD 80CRI 35K EMS LED 48", 6,000 lumens, a/cr	(1)	37.8	6000	120V	0.90
F2H		Lithonia Lighti STAKS 2X2 ALD3 SWW7 Medium Lumen 3500K Recessed Center Element LED Lg	(1)	41	5035	120V	0.90
F3H		Lithonia Lighti STAKS 2X4 ALD6 SWW7 High Lumen 3500K Recessed Center Element LED Lg	(1)	49	6170	120V	0.90
F4		Lithonia Lighti BLVP4 48LHE ADPT LP835 BLVP 4ft 4800 Nominal Lumens	(1)	40	4800	120V	0.90
F6		Gotham Architec EVD6SH 35/20 DFR SMD EVD 6IN SHOWER, 3500K, 2000LM	(1)	20	2000	120V	0.90
F7		Lithonia Lighti LDN6 30/10 LD6AR LSS 6IN LDN, 3000K, 1000LM, CLEAR	(1)	10	1000	120V	0.90
FEM		Lithonia Lighti FEM L48 6000LM LPAFL WD 80CRI 35K FEM LED 48", 6,000 lumens, a/cr	(1)	37.8	6000	120V	0.90
E1		Lithonia Lighti ECRG RD M6	2			120V	



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

MEZZ. SQUARE FOOTAGE = 13,924



KEY NOTES

- ALL EMERGENCY EXIT SIGNS TO BE CIRCUITED TO P-IL/5. EM FIXTURES TO BE SUPPLIED WITH HOTLEG
- TIMECLOCK TO BE SET TO OPERATIONAL BUSINESS HOURS. ALL LIGHTING TO BE TIED INTO TIMECLOCK. OCCUPANCY SENSORS TO OVERRIDE TIMECLOCK AFTER HOURS

SHEET NOTES

- INSTALL LV OR 120V SWITCHING IN ALL AREAS TO CONTROL LIGHTING

"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS

216 FIDELITY AVENUE BIRMINGHAM, NY 11501 (516) 727-5552

emtec
CONSULTING ENGINEERS, P.C.
3555 Veterans Memorial Highway, Suite M
Ranokoma, NY 11779
P. 813.981.3980 | F. 813.981.3971 | www.emtec-engineers.com

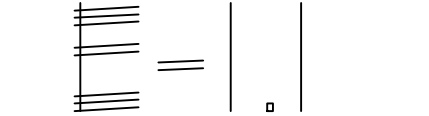
PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL
FIRST FLOOR
LIGHTING PLAN

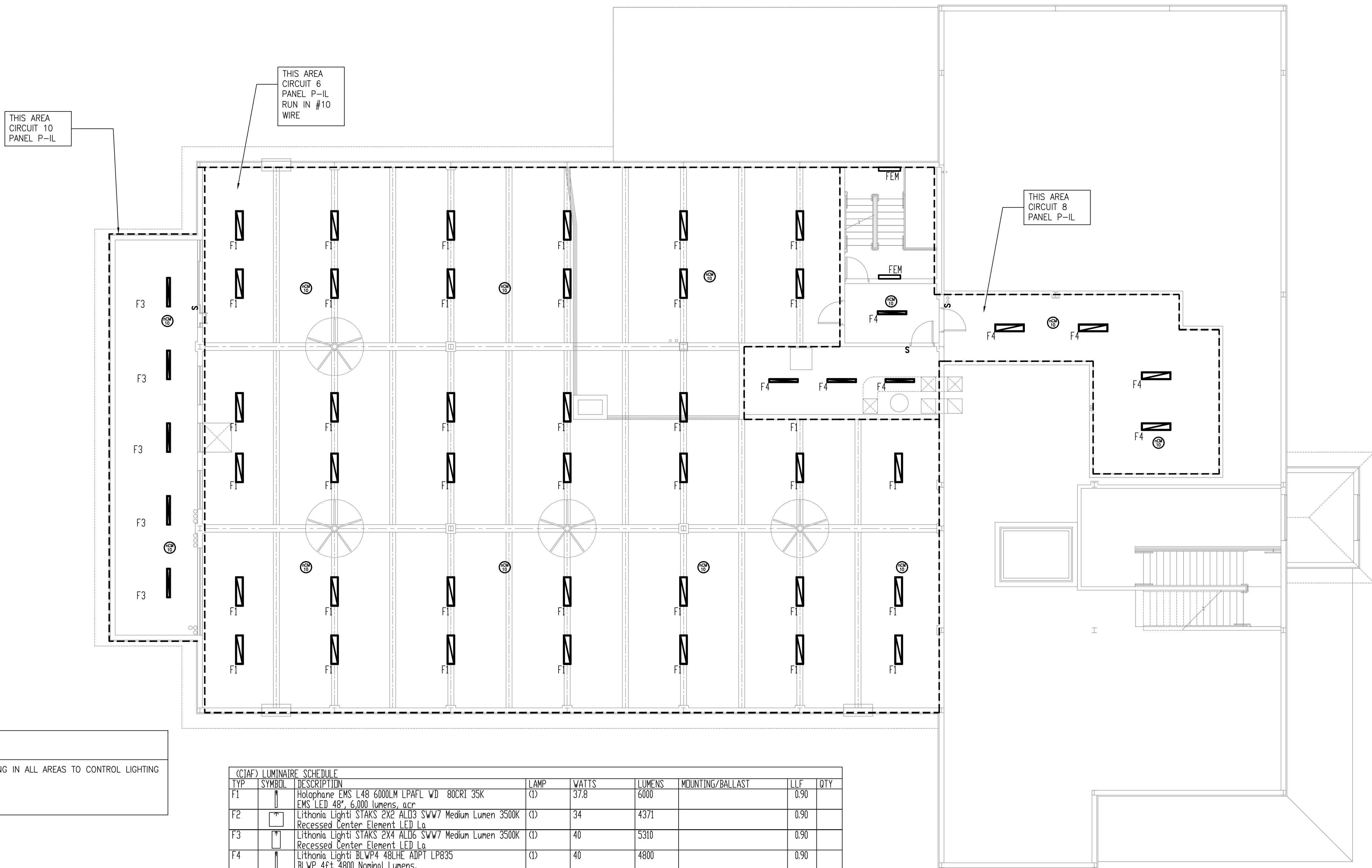
PROJECT No. 2501
EMTEC-7611

CHECKED BY: JE/ARS

DRAWING:



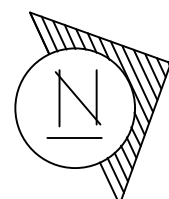
EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



SHEET NOTES

1. INSTALL LV OR 120V SWITCHING IN ALL AREAS TO CONTROL LIGHTING

(CIAF) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	WATTS	LUMENS	MOUNTING/BALLAST	LLF QTY
F1		Holophone EMS L48 6000LM LPAFL WD 80CRI 35K CMS LED 48", 6,000 lumens, acr	(1)	37.8	6000		0.90
F2		Lithonia Lighti STAKS 2X2 ALI3 SWV7 Medium Lumen 3500K Recessed Center Element LED Lc	(1)	34	4371		0.90
F3		Lithonia Lighti STAKS 2X4 ALI6 SWV7 Medium Lumen 3500K Recessed Center Element LED Lc	(1)	40	5310		0.90
F4		Lithonia Lighti BLVP4 48LHE ADPT LP835 BLWP 4ft 4800 Nominal Lumens	(1)	40	4800		0.90
FEM		Lithonia Lighti FEM L48 6000LM LPAFL WD 80CRI 35K FEM LED 48", 6,000 lumens, acr	(1)	37.8	6000		0.90
E1		Lithonia Lighti ECRG RD M6		2			



MEZZANINE FLOOR PLAN (PARTIAL)

SCALE: 1/8" = 1'-0"

MEZZ. SQUARE FOOTAGE = 1,482



"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE

ISSUED

06-22-2026 ISSUED FOR
100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD
REVIEW
08-17-2026
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PARKWAY AVENUE, BIRMINGHAM, NY 11501 (516) 727-5552

CONSULTING ENGINEERS, DPC

3555 Veterans Highway, Suite 100
Rancho Santa Fe, CA 92051

P. 631.981.3980 | F. 631.981.3971 | www.emtec-engineers.com

emtec

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL
MEZZANINE
LIGHTING PLAN

PROJECT No. 2501

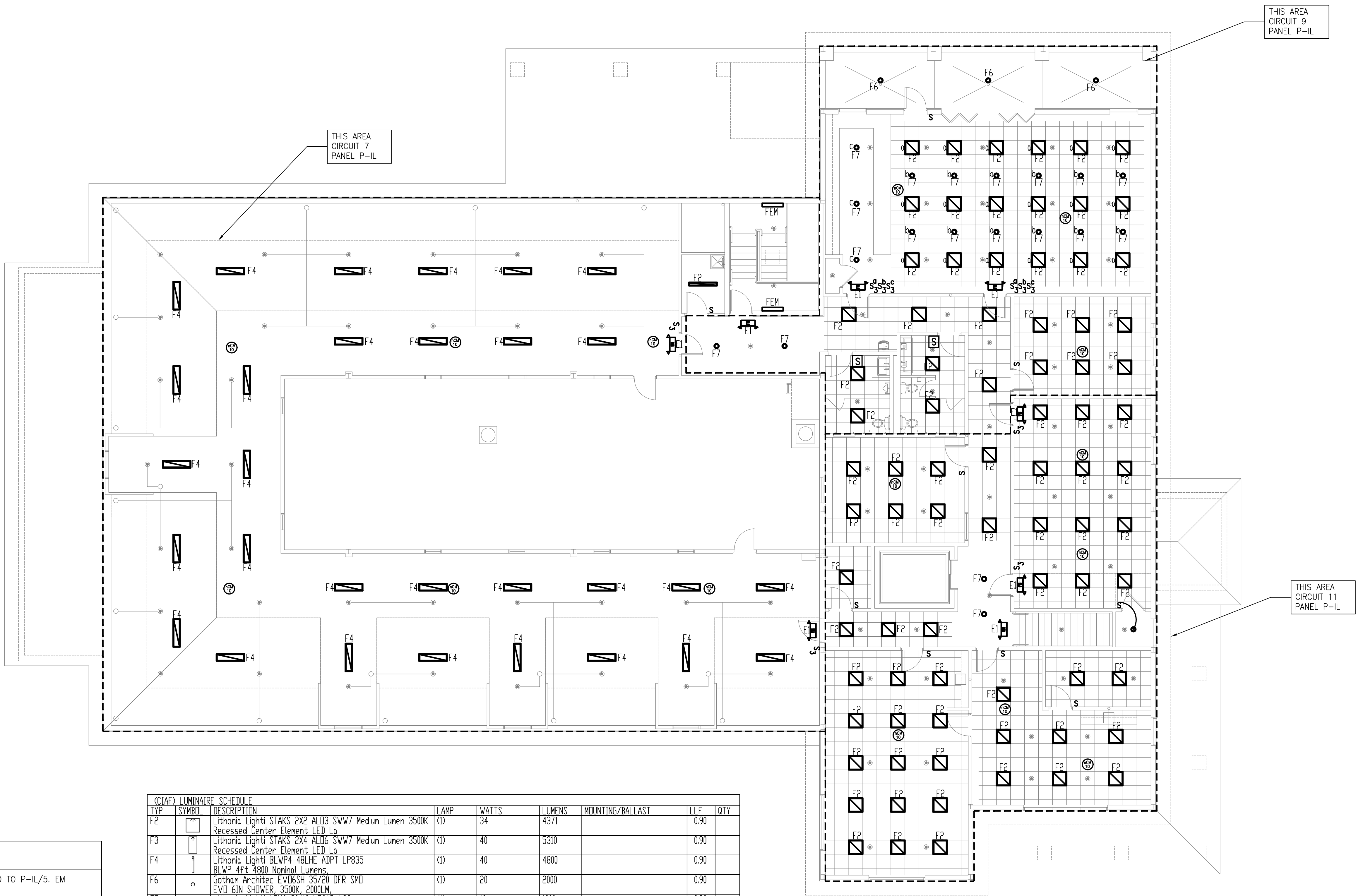
EMTEC-7611

CHECKED BY: JE/ARS

DRAWING:

E=1.2

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



⊗ KEY NOTES

1. ALL EMERGENCY EXIT SIGNS TO BE CIRCUITED TO P-IL/5. EM FIXTURES TO BE SUPPLIED WITH HOTLEG

SHEET NOTES

1. INSTALL LV OR 120V SWITCHING IN ALL AREAS TO CONTROL LIGHTING

(CIAF) LUMINAIRE SCHEDULE							
TYP	SYMBOL	DESCRIPTION	LAMP	WATTS	LUMENS	MOUNTING/BALLAST	LLF QTY
F2		Lithonia Lighti STAKS 2X2 ALD3 SWW7 Medium Lumen 3500K Recessed Center Element LED Lg	(I)	34	4371		0.90
F3		Lithonia Lighti STAKS 2X4 ALD3 SWW7 Medium Lumen 3500K Recessed Center Element LED Lg	(I)	40	5310		0.90
F4		Lithonia Lighti BLWP4 48LHE ADPT LP835 BLWP 4ft 4800 Nominal Lumens	(I)	40	4800		0.90
F6		Gothan Architec EVD6SH 35/20 DFR SMD EVD 6IN SHOWER, 3500K, 2000LM	(I)	20	2000		0.90
F7		Lithonia Lighti LDN6 30/10 LD6AR LSS 6IN LDN, 3000K, 1000LM, CLEAR	(I)	10	1000		0.90
FEM		Lithonia Lighti FEM L48 6000LM LPAFL WD 80CRI 35K FEM LED 48", 6,000 lumens, acr	(I)	37.8	6000		0.90
EI		Lithonia Lighti ECRG RD M6		2			

N

SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

SQUARE FOOTAGE = 5643
(NOT INCL. FLAT ROOF & ATTIC AREAS)

0 4' 8' 20' 50'

2' 6' 10' 30'

"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE

ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026
ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL

SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 FIDELITY AVENUE NEWBURGH, NY 10901 (845) 727-5352

CONSULTING ENGINEERS, DPC
3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P. 951.981.3980 F. 951.981.3971 www.entec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

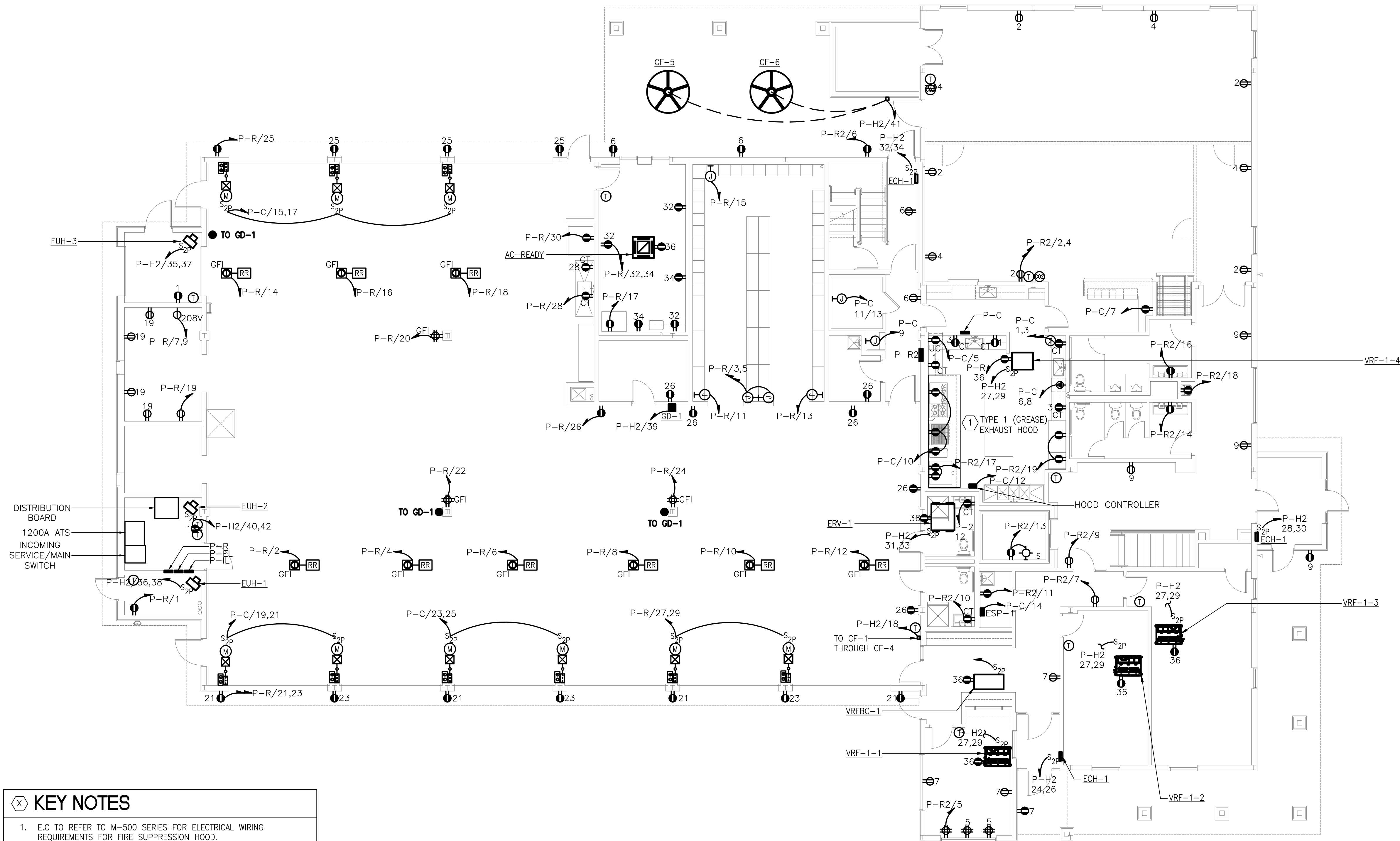
ELECTRICAL
SECOND FLOOR
LIGHTING PLAN

PROJECT No. 2501
EMTEC.7611

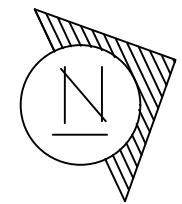
CHECKED BY: JE/ARS

DRAWING:

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



- KEY NOTES**
- E.C. TO REFER TO M-500 SERIES FOR ELECTRICAL WIRING REQUIREMENTS FOR FIRE SUPPRESSION HOOD.
 - ALL RECEPTACLES UNDER HOOD HAVE TO BE SHUNT TRIPPED.
 - CONTROLLER FOR HOOD TO BE PRE-WIRED. COORDINATE FINAL LOCATION IN FIELD.



FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

MEZZ. SQUARE FOOTAGE = 13,924



"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE ISSUED

06-22-2026 ISSUED FOR
100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD
REVIEW
08-17-2026
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS

216 PARKWAY AVENUE, BIRMINGHAM, NY 11501 (516) 727-5552

emtec
CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92051
P: 858.398.1390 | F: 858.398.1391 | www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL
FIRST FLOOR
POWER PLAN

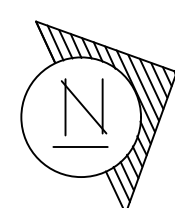
PROJECT No. 2501
EMTEC.7611

CHECKED BY: JE/ARS

DRAWING:

E-2.1

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



SCALE: 1/8" = 1'-0" MEZZ. SQUARE FOOTAGE = 1,982



"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer, to alter any item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall sign to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet. All other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE	ISSUED
06-22-2026	ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026	ISSUED FOR 90%CD REVIEW
09-17-2026	ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS

 **emtec**
CONSULTING ENGINEERS, DPC
3555 Veterans Memorial Highway, Suite M
Rochester, NY 11779
P.651.981.3990 F.651.381.3971 www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

**ELECTRICAL
MEZZANINE
POWER PLAN**

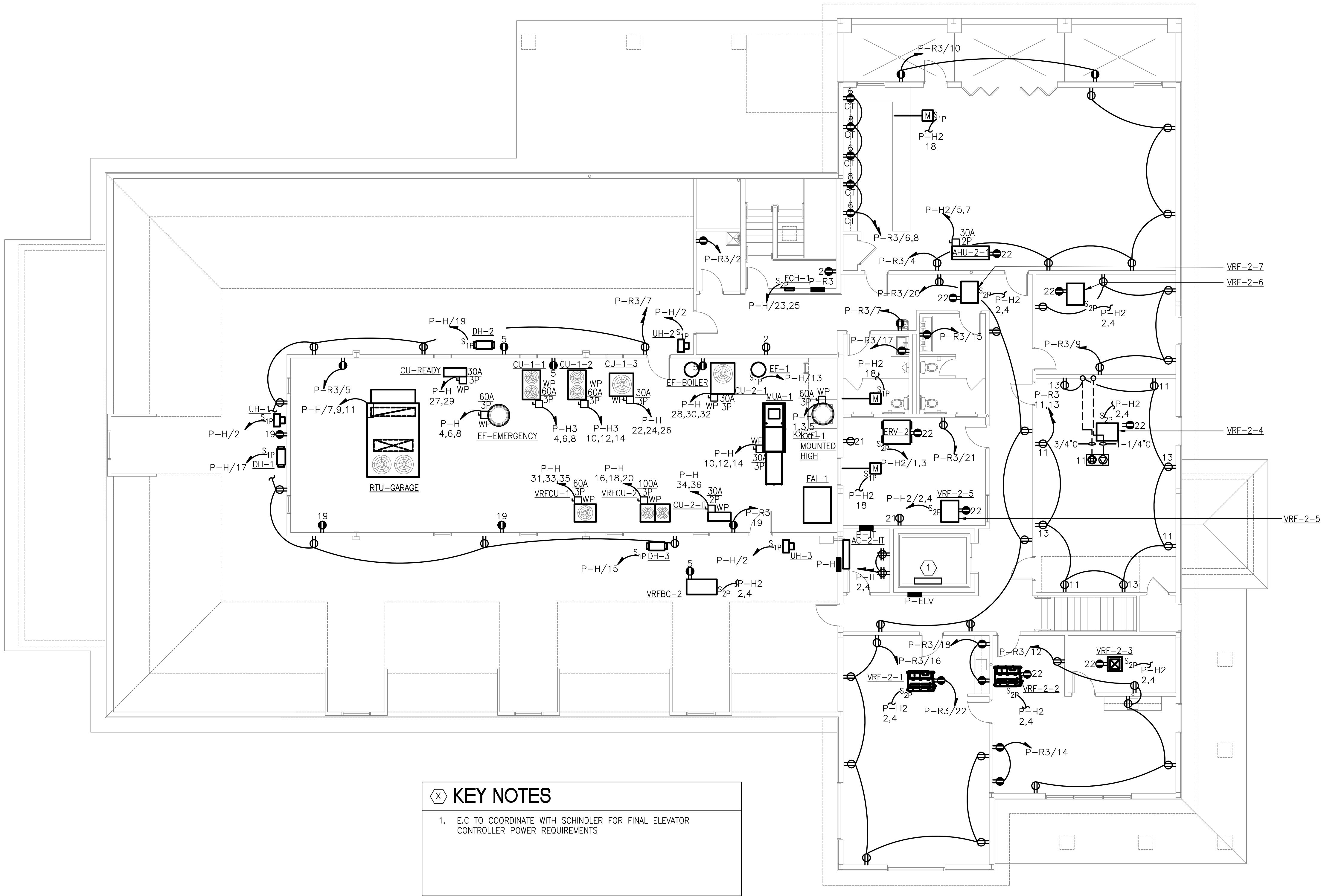
PROJECT No. 2501
EMTEC: 7611

CHECKED BY: JE/ARS

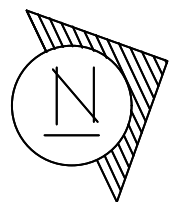
DRAWING:

$$\frac{1}{2} = 0.5$$

EMTEC PROJECT NO. /611 DRAWN BY: JE CHECKED BY: ARS



- KEY NOTES**
- E.C. TO COORDINATE WITH SCHINDLER FOR FINAL ELEVATOR CONTROLLER POWER REQUIREMENTS



SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0" SQUARE FOOTAGE = 5643 (NOT INCL. FLAT ROOF & ATTIC AREAS)



"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE ISSUED

06-22-2026 ISSUED FOR
100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD
REVIEW
08-17-2026
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 PLAZA AVENUE, SUITE 1100, NEW YORK, NY 10001 (646) 727-5552

emtec

CONSULTING ENGINEERS, P.C.

3555 VERNON AVENUE, SUITE 1100, NEW YORK, NY 10001 (212) 398-1177

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL
SECOND FLOOR
POWER PLAN

PROJECT No. 2501
EMTEC-7611

CHECKED BY: JE/ARS

DRAWING:

2-3

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

X

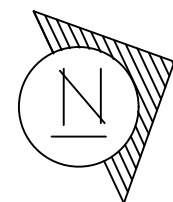
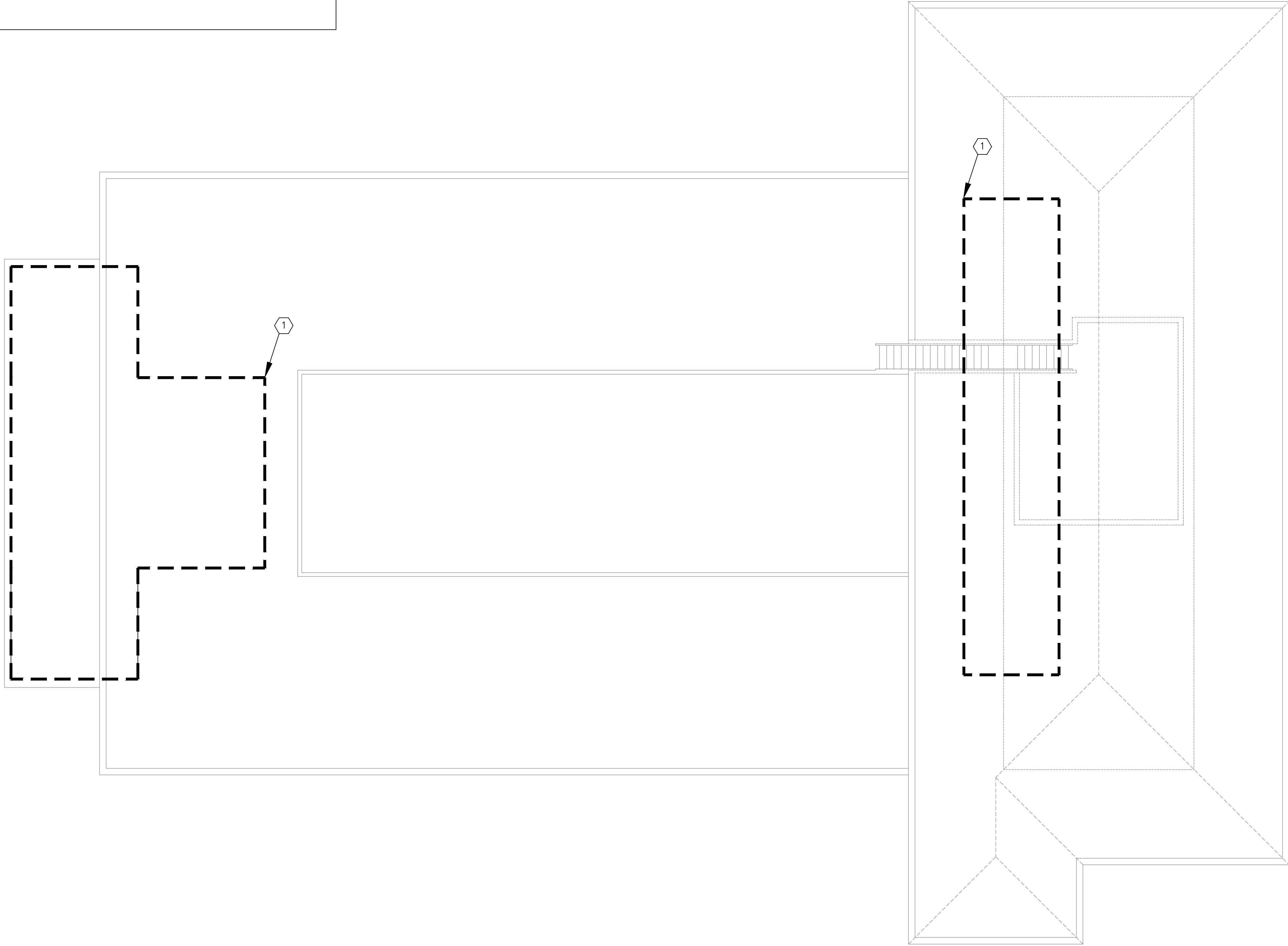
KEY NOTES

1.

DASHED AREAS FOR PROPOSED SOLAR PANEL INSTALLATION LOCATIONS.

1.1.

CODE REQUIRED 22KW OF SOLAR OUTPUT PER 2025 NEW YORK STATE ENERGY CODE



ATTIC PLAN

SCALE: 1/8" = 1'-0"



"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE

ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL

SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS
216 FIDELITY AVENUE RIVERHEAD, NY 11901 (631) 727-5552

CONSULTING ENGINEERS, P.C.
3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92051 (760) 739-1177
www.entec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

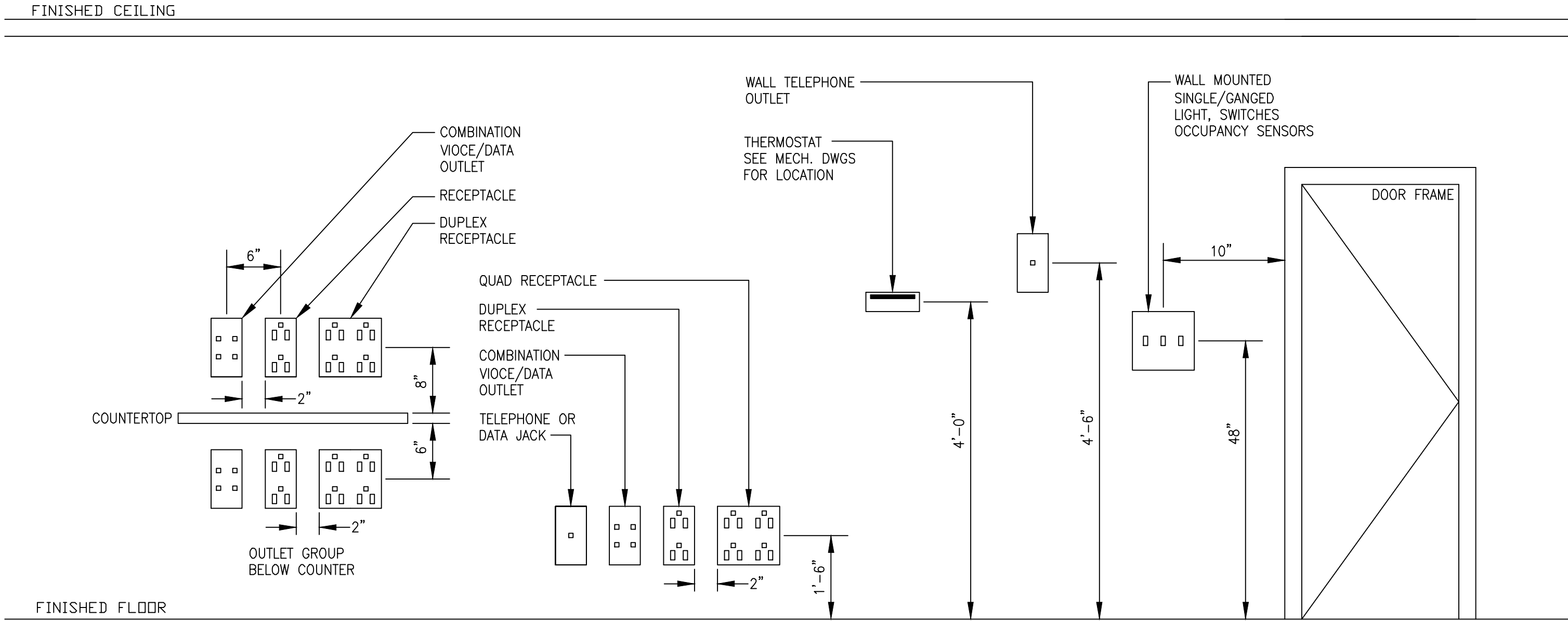
ELECTRICAL
ATTIC
POWER PLAN

PROJECT No. 2501
EMTEC: 7611

CHECKED BY: JE/ARS

DRAWING:
E-2.4

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

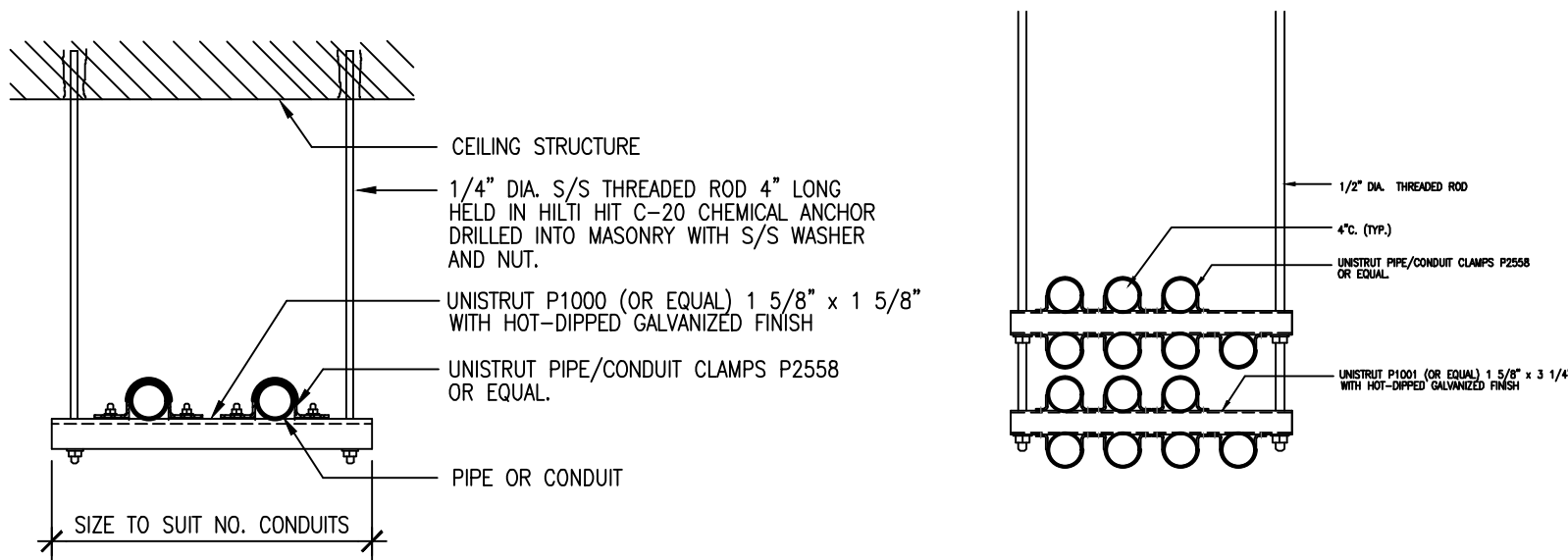


TYPICAL MOUNTING HEIGHTS FOR ELECTRICAL DEVICES AND/OR APPURTENANCES

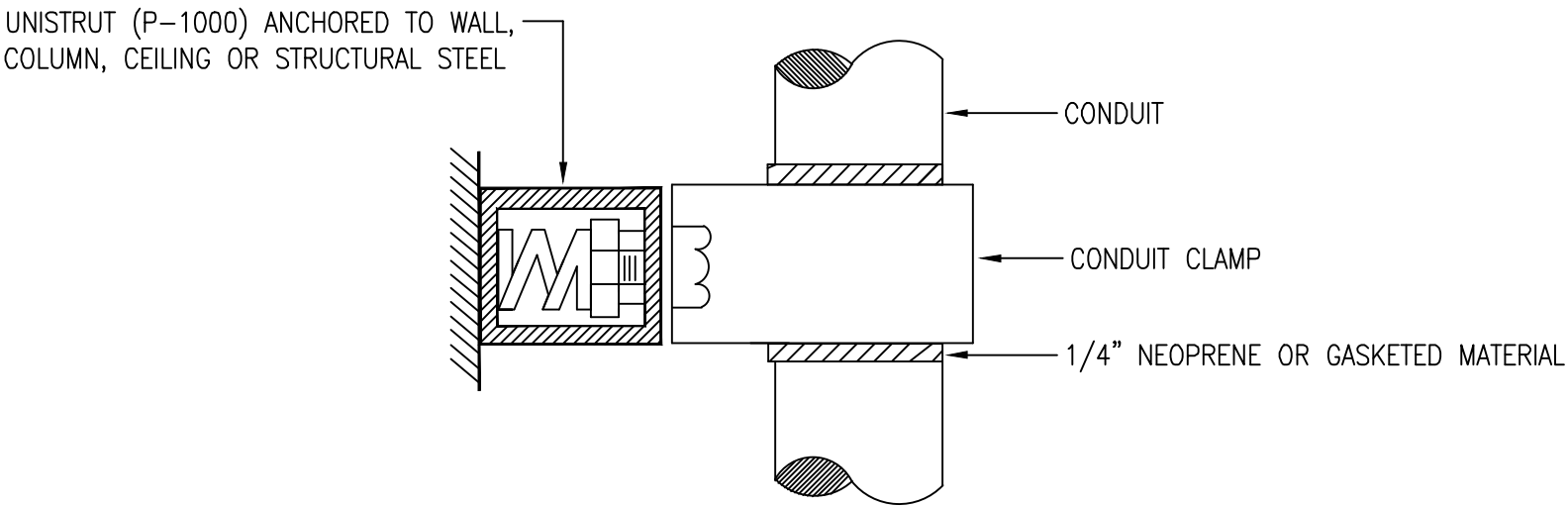
SCALE: N.T.S.

NOTES:

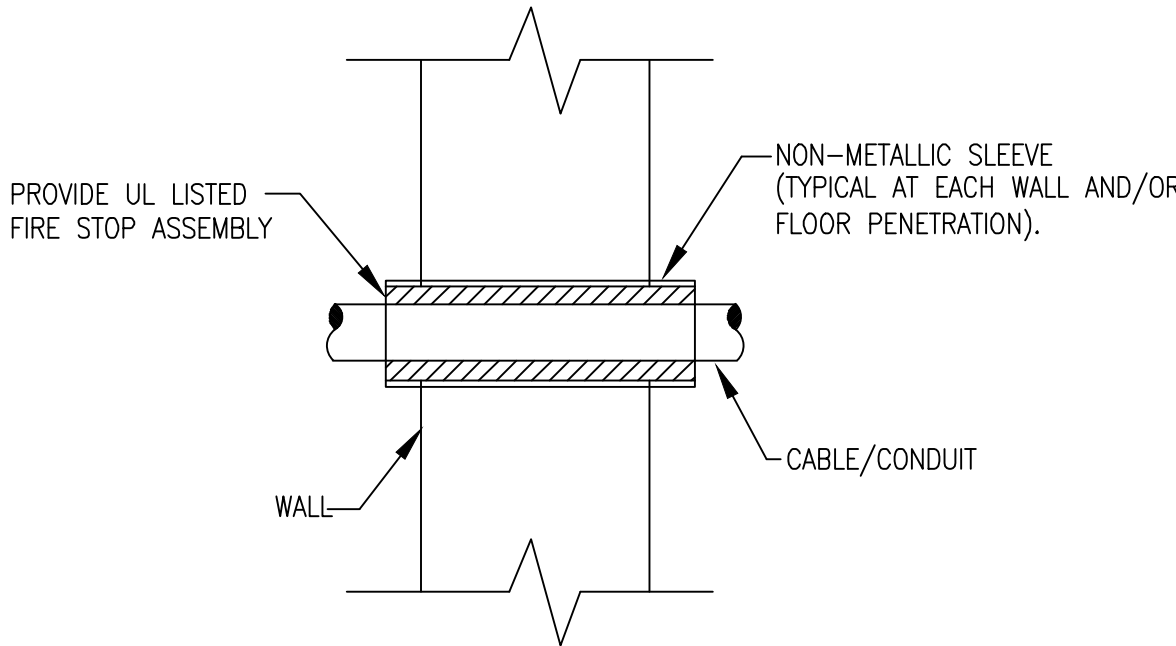
1. THE ABOVE DETAIL SHOWN IS FOR REFERENCE ONLY. ALL DIMENSIONS ARE CONSIDERED FROM FINISHED FLOOR AND, UNLESS NOTED OTHERWISE, SHALL NOT VARY.
2. ALL DEVICES MOUNTING HEIGHT SHALL MATCH WITH THE EXISTING DEVICES IN THE BUILDING AS LONG AS THEY CONFORM WITH ADA AND ARCHITECTURAL REQUIREMENTS AND NO CODE RESTRICTION IS VIOLATED.
3. ALL DIMENSIONS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION, DETAILS SHALL BE ADJUSTED TO CONFORM WITH ARCHITECTURAL REQUIREMENTS AS LONG AS NO CODE RESTRICTION IS VIOLATED.
4. ALL DEVICES INSTALLED (FORWARD AND SIDE REACH) SHALL CONFORM WITH ADA REQUIREMENTS. REFER TO ARCHITECTURAL CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION.
5. EXIST SIGN SHALL NOT BE INSTALLED SO THAT IT BLOCKS FIRE ALARM VISUAL DEVICES.



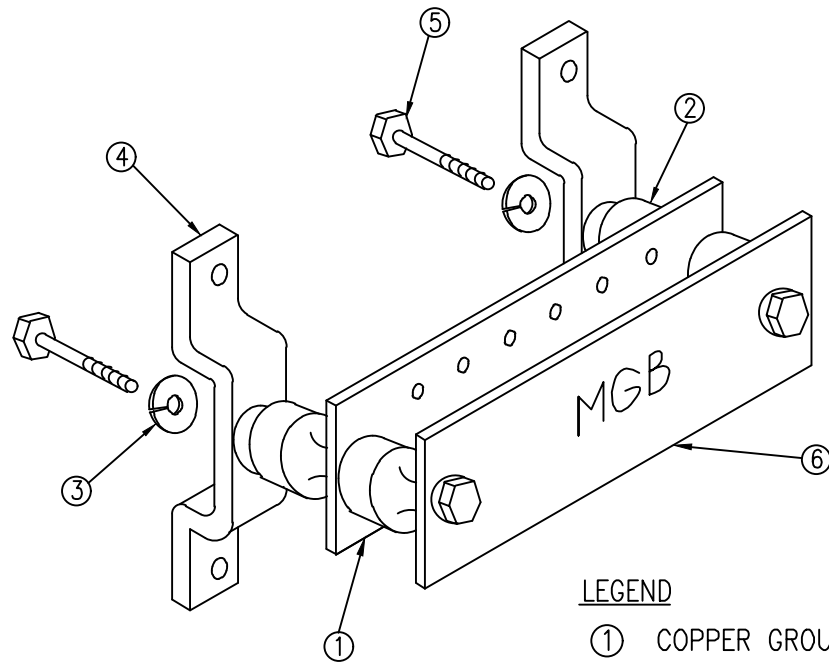
CONDUIT SUPPORT DETAIL
- HALLWAY SECTION



WALL MOUNTED SUPPORT GROUND ISOLATION DETAIL
NO SCALE



CONDUIT PENETRATION ISOLATION DETAIL



- LEGEND
- ① COPPER GROUND BAR 1/4"x4"x20" BY HAGER GBIP SERIES
 - ② INSULATORS BY HARGER LIGHTING AND GROUNDING
 - ③ 5/8" LOCKWASHERS BY HARGER LIGHTING AND GROUNDING
 - ④ WALL MOUNTING BRACKET BY HARGER LIGHTING AND GROUNDING
 - ⑤ 5/8-11 X 1" H.H.C.S. BOLTS, BY HARGER LIGHTING AND GROUNDING
 - ⑥ PLEXIGLASS COVER BY HARGER LIGHTING AND GROUNDING

INSTALLATION NOTES:

1. FOR TWO(2) HOLE LUGS W/ SPACING OTHER THAN PRE-DRILLED, THE CONTRACTOR SHALL DRILL THE BAR IN THE FIELD. FULL SIZE BOLTS SHALL BE USED TO ATTACH LUGS TO THE COPPER GROUND BAR.
2. GROUNDING BAR SHALL BE AT MINIMUM BE CONNECTED TO BUILDING STRUCTURAL STEEL AND/OR BUILDING GROUNDING USING #6 Cu WIRE GROUND. WIRE TO BE CADWELDED OR CONNECTED BY BOLTED EXTENSION TAP

TYPICAL GROUND BAR PLATE DETAIL

SCALE: N.T.S.

DATE ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES

SEAL



SENDLEWSKI ARCHITECTS, P.C.

ARCHITECTS - PLANNERS

216 FARMHOUSE AVENUE FARMERDALE, NY 11701 (847) 727-5552

emtec CONSULTING ENGINEERS, P.C.

3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92053
P: 858.481.3980 F: 858.481.3971 www.emtec-engineers.com

PROPOSED NEW FACILITY

ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209

ELLENVILLE, NY 12428

ELECTRICAL
DETAILS

PROJECT No. 2501
EMTEC: 7611

CHECKED BY: JE/ARS

DRAWING:

51

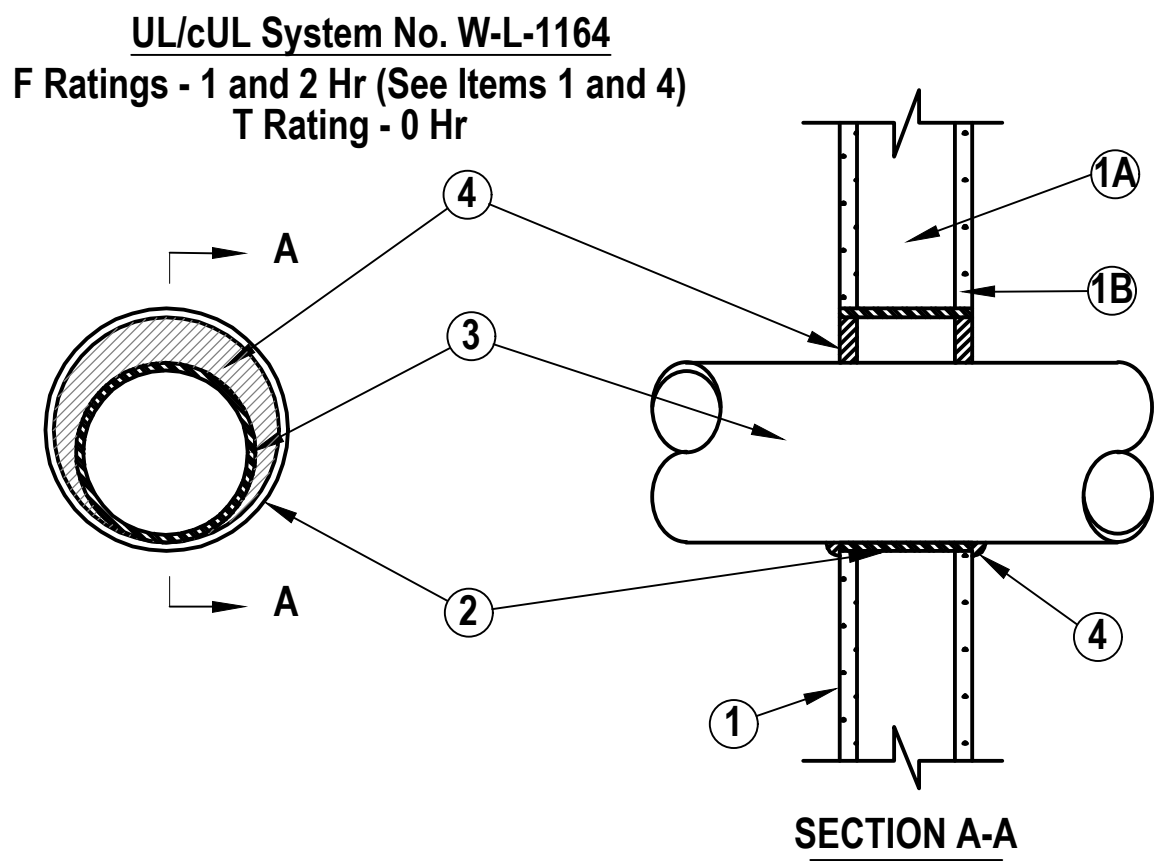
"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

NOTES:

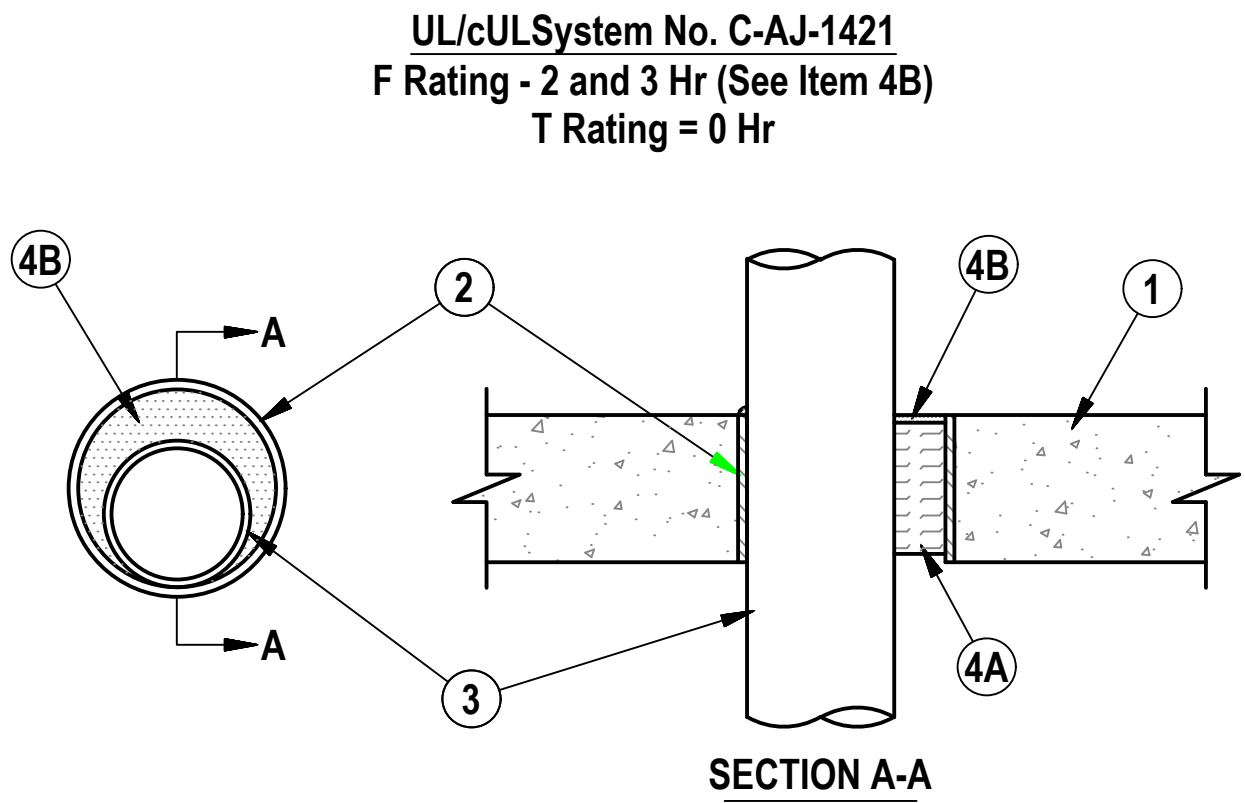
1. All penetrations through rated walls, including but not limited to Boiler Rooms, Mechanical Equipment Rooms and Rated Shafts, shall be fire stopped per details sheets included in this drawing set. Refer to Architectural drawings for all wall ratings. Detail sheets show only a few common applications however, they do not show all applications. Contractor must use only firestop products that have been UL 1479 or ASTM E 814 tested for specific fire-rated construction conditions conforming to construction assembly type, penetrating item type, annular space requirements, and fire-rating involved for each separate instance.
2. Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following: * Minimum and maximum Width of Joints * Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.
3. If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.
4. References:
- * 2013 Underwriter's Laboratories Fire Resistance Directory, Volumes 1 & 2
 - * NFPA 101 Life Safety Code
 - * NFPA 70 - National Electric Code
 - * All governing local and regional building codes
5. Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.
6. All rated through-penetration assemblies shall be prominently labeled with the following information:
- * ATTENTION: Fire Rated Assembly
 - * UL System # * Product(s) used
 - * Hourly Rating (F-Rating)
 - * Installation Date
7. For outlet boxes requiring protection, use only Wall Opening Protective Materials, category CLIV as classified by Underwriter's Laboratories, Fire Resistance Directory (Volume 1.)



- Wall Assembly The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs –Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2–1/2 in. wide and spaced max 24 in. OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. wider and 4 to 6 in. higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. clearance is present between the penetrating item and the framing on all four sides.
 - Gypsum Board – The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening in steel stud walls is 32in. Max diam of openings in wood stud walls is 14–1/2 in.The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
- Steel Sleeve – Nom 32 in. diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve friction fit in nom 32 in. diam circular opening cut through gyp–sum wallboard layers. Length of steel sleeve to be equal to thickness of wall.
- Through–Penetrant – One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and the steel sleeve shall be min of 0 in. (point contact) to max 1–7/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe – Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe – Nom 30 in. diam (or smaller) service weight (or heavier) cast iron soil pipe or Class 50 (or heavier) ductile iron pressure pipe.
 - Conduit – Nom 4 in. diam (or smaller) steel electrical metallic tubing.
 - Copper Tubing – Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe – Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
- Fill, Void or Cavity Material–Sealant – Min 5/8 in. and 1–14 in. thickness of fill material applied within annulus, flush with both surfaces of wall assembly for 1 or 2 hr rated walls, respectively. Min 1/2 in. diam bead of caulk applied to the penetrant/wallboard interface at the point contact location on both sides of wall.

FIRESTOP OF METAL CONDUIT/PIPING THROUGH GYPSUM RATED WOOD OR STEEL WALL DETAIL

N.T.S.



- Floor or Wall Assembly – Min 4–1/2 in. (114 mm) thick reinforced lightweight or normal weight (100–150 pcf or 1600–2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm).
- Metallic Sleeve – (Optional) Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- Through–Penetrant – One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe, tube or conduit and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 5–3/8 in. (137 mm). Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
 - Steel Pipe – Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - Iron Pipe – Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - Copper Pipe – Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Copper Tubing – Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Conduit – Nom 4 in. (102 mm) diam (or smaller) steel conduit.
 - Conduit – Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).
- Firestop System – The firestop system shall consist of the following:
 - Packing Material – Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - Fill, Void or Cavity Material* – Sealant – Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. For 3 Hr rated assemblies, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete/pipe interface at the point contact location on the top surface of floor and on both surfaces of wall.

FIRESTOP OF METAL CONDUIT/PIPING THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL DETAIL

N.T.S.

"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter an item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

DATE ISSUED

06-22-2026 ISSUED FOR 100%DD/50%CD REVIEW
07-20-2026 ISSUED FOR 90%CD REVIEW
08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS

216 PLAZA DRIVE, SUITE 100, ELLENVILLE, NY 12526
(518) 531-7277

emtec
CONSULTING ENGINEERS, P.C.
3555 Veterans Memorial Highway, Suite 100
Rancho Santa Fe, CA 92051
(760) 734-1881

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

ELECTRICAL DETAILS

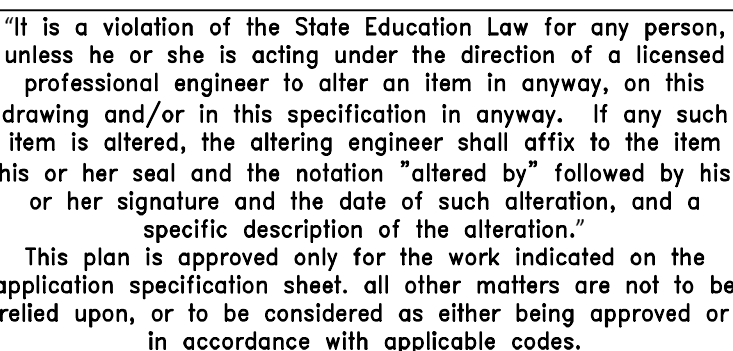
PROJECT No. 2501
EMTEC 7611

CHECKED BY: JE/ARS

DRAWING:

E-5.2

EMTEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS



1. BASIS OF DESIGN: MCG SURGE PROTECTION DEVICE, 200M-H4, NEMA-4, EVENT COUNTER, DRY CONTACTS, MICRO-Z CABLE DATA POWER SYSTEMS
2. GENERATOR ENCLOSURE TO BE FURNISHED WITH AN ELECTRICAL DISTRIBUTION PANEL AND PRE-WIRED FOR BATTERY CHARGER, BLOCK HEATER AND GFCI RECEPTACLE
3. PROVIDE SUB METER (E MON DEMON OR APPROVED EQUAL) FOR ENERGY MONITORING PER NYSECC 2025 C405.1.3. THE BELOW CIRCUIT BREAKERS SHALL BE ASSIGNED TO MONITOR EACH CORRESPONDING CATEGORY.
 - HVAC SYSTEM (P-H)
 - INTERIOR LIGHTING (P-IL)
 - EXTERIOR LIGHTING (P-EL)
 - PLUG LOADS (P-R, P-IT, P-C)
 - OPERATIONS LOADS (P-C)

SENDLEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS
276 RUMKORE VILLAGE RUMKORE, NY 11001 (631) 727-5382

 **emtec**
CONSULTING ENGINEERS, P.C.
1000 PARKWAY, SUITE M
ROCKY HILL, CONNECTICUT, 06110
P 651.981.9390 F 651.981.13971 www.emtec-engineers.com

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
2203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

PROJECT No. 2501
EMTEC: 7611

CHECKED BY: JE/ARS

DRAWING:



EMIEC PROJECT NO. 7611 DRAWN BY: JE CHECKED BY: ARS

PANEL " P-R " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 200		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION	CKT. NO.	
1	MAINTENANCE RECEP	20	360		500	20	RECEP BAY REEL	2	
3	POWER STRIP	20	500		500	20	RECEP BAY REEL	4	
5	POWER STRIP	20	500		500	20	RECEP BAY REEL	6	
7	WELDING RECEP	20	750		500	20	RECEP BAY REEL	8	
9			750		500	20	RECEP BAY REEL	10	
11	POWER STRIP	20	500		500	20	RECEP BAY REEL	12	
13	POWER STRIP	20	500		500	20	RECEP BAY REEL	14	
15	POWER STRIP	20	500		500	20	RECEP BAY REEL	16	
17	FRIDGE	20	500		500	20	RECEP BAY REEL	18	
19	WORK ROOM RECEPS	20	900		360	20	BAY RECEPS	20	
21	EXTERIOR GFI'S	20	720		360	20	BAY RECEPS	22	
23	EXTERIOR GFI'S	20	540		360	20	BAY RECEPS	24	
25	EXTERIOR GFI'S	20	720		900	20	BAY RECEPS	26	
27					360	20	COUNTER TOP RECEP	28	
29					500	20	FRIDGE	30	
31					540	20	READY RM RECEPS	32	
33					360	20	READY RM RECEPS	34	
35					1080	20	MAINTENANCE RECEPS	36	
37	P-R3	60	4200		3473	60	P-R2		38
39			4200		3473				40
41			4200		3473				42
CONNECTED LOAD: 43,500 W			DEMAND LOAD: 26,750 W						

PANEL " P-R2 " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 125		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION		CKT. NO.
1	COUNTERTOP RECEPS	20	1000		900	20	COMMUNITY RM		2
3	COUNTERTOP RECEPS	20	1000		720	20	COMMUNITY RM		4
5	RADIO ROOM	20	1080		540	20	PATIO RECEPS		6
7	RECEPS	20	900		900	20	MEZZ RECEPS		8
9	RECEPS	20	900		500	20	BATHROOM GFI		10
11	JANITORS CLOSET	20	180		500	20	BATHROOM GFI		12
13	ELEVATOR PIT	20	300		500	20	BATHROOM GFI		14
15	MEZZ LOFT	20	480		500	20	BATHROOM GFI		16
17	GAS OVENS	20	200						18
19	FREEZER'S	20	1080						20
21									22
23									24
CONNECTED LOAD: 10,420 W					DEMAND LOAD: 10,420 W				

PANEL " P-R3 " SCHEDULE									
VOLTAGE: 120/208			PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL		
MAIN RATING: 125			MLO				MTG: ☐ SURFACE ☒ FLUSH		
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS	WATTS	C.B.	DESCRIPTION	CKT. NO.		
1	ATTIC RECEPS	20	720	180	20	MAINTENANCE RECEP	2		
3	ATTIC RECEPS	20	720	900	20	TRAINING RM RECEP	4		
5	EXTERIOR GFI	20	540	540	20	SERVICE COUNTER	6		
7	WATER FOUNTAIN	20	500	360	20	SERVICE COUNTER	8		
9	CIVIL OFFICERS	20	900	360	20	TERRACE RECEPS	10		
11	CONFERENCE RM	20	900	900	20	SECRETARY OFFICE	12		
13	CONFERENCE RM	20	720	360	20	SECRETARY CT	14		
15	BATHROOM GFI	20	500	1080	20	COMMISSIONERS	16		
17	BATHROOM GFI	20	500	360	20	COMMISSIONERS CT	18		
19	EXTERIOR GFI	20	500	1080	20	CORRIDOR RECEPS	20		
21	RECEPTACLES	20	480	1080	20	MAINTENANCE RECEPS	22		
23							24		
25							26		
27							28		
29							30		
CONNECTED LOAD: 12,600 W				DEMAND LOAD: 12,600 W					

PANEL " P-IT " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 100		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION	CKT. NO.	
1					1000	20	IT RACK RECEP	2	
3					1000	20	IT RACK RECEP	4	
5								6	
7								8	
9								10	
11								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								38	
39								40	
41								42	
CONNECTED LOAD: --- W					DEMAND LOAD: --- W				

PANEL " P-IL " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 125		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION	CKT. NO.	
1	PATIO/LOCKER LTE	20	1100		200	20	UTILITY LTE	2	
3	OFFICE LTE	20	1408		1722	20	COMMUNITY LTE	4	
5	EXIT LTE	20	50		1482	20	BAY LTE	6	
7	ATTIC LTE	20	1300		398	20	MEZZ LTE	8	
9	EVENT RM LTE	20	1320		200	20	MEZZ LTE	10	
11	OFFICE LTE	20	1618		791	20	COMMUNITY LTE	12	
13								14	
15								16	
17								18	
19								20	
21								22	
23								24	
CONNECTED LOAD: 11,589 W				DEMAND LOAD: 11,589 W					

PANEL " P-EL " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 125		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION	CKT. NO.	
1	TRAFFIC LTE/SIGN	20	1000		130	20	SITE LIGHTING	2	
3	EXTERIOR LTE	20	250					4	
5	EXTERIOR LTE	20	208					6	
7	SITE LIGHTING	20	206					8	
9	SITE LIGHTING	20	130					10	
11	SITE LIGHTING	20	130					12	
13								14	
15								16	
17								18	
19								20	
21								22	
23								24	
CONNECTED LOAD: 2,054 W					DEMAND LOAD: 2,054 W				

PANEL " P-H " SCHEDULE									
VOLTAGE: 120/208		PHASE: 3		WIRE: 4		LOCATION:1ST FLOOR HALL			
MAIN RATING: 400		MLO				MTG: ☐ SURFACE ☒ FLUSH			
SPECIAL FEATURES:									
CKT. NO.	DESCRIPTION	C.B.	WATTS		WATTS	C.B.	DESCRIPTION	CKT. NO.	
1	KXF-1	25	1799	1188	20	UH-1,2,3	2		
3			1799	1283	4				
5			1799	1283	20		EF-EMERGENCY	6	
7	RTU-GARAGE 3#3, #8G	110	8060	1283	25	MUA-1	8		
9			8060	1803			10		
11			8060	1803			12		
13	EF-1	20	348	1803	100	VRFCU-2 3#6, #10G	14		
15	DH-1	20	835	5757			16		
17	DH-2	20	835	5757			18		
19	DH-3	20	835	5757			20		
21	EF-2-HSKP	20	835	1631	25	CU-1-3	22		
23	ECH-1	25	1508	1631			24		
25			1508	1631			26		
27	CU-READY	30	1331	1823	30	CU-2-1	28		
29			1331	1823			30		
31	VRFCU-1 3#8, #10G	60	3838	1823	25	CU-2-IT	32		
33			3838	1497			34		
35			3838	1497			36		
37	P-H3	100	7,890	15,989	150	P-H2	38		
39			7,890	15,989			40		
41			7,890	15,989			42		
CONNECTED LOAD: 163,167 W				DEMAND LOAD: 163,167 W					

PANEL " P-H2 " SCHEDULE			
-------------------------	--	--	--

1. GENERAL CONDITIONS

a. DESCRIPTION OF BID DOCUMENTS

o. THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO SERVE JOINTLY AS A BASIS UPON WHICH THE CONTRACTOR SHALL SUBMIT A CONTRACT PRICE FOR THE MATERIAL AND LABOR PROVISIONS.

b. THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED, AND READY FOR OPERATION.

c. THE CONTRACTORS SHALL PROVIDE ALL ITEMS OF LABOR OR MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED TO COMPLETE THE INTENDED INSTALLATIONS.

d. THE CONTRACTOR SHALL REPLACE ANY DAMAGE OR ADJUST SAME TO THAT OF OTHER TRADES, IN ORDER THAT CONFLICTS IN SPACE LOCATIONS DO NOT OCCUR.

e. ANY APPARATUS, APPLIANCE, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES, OR MINOR DETAILS NOT SHOWN BUT NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

f. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK WITH ITS COMPLETION AND FINAL ACCEPTANCE POSSIBLE DURING BIDDING PERIOD, WHICH MAY BE DAMAGED, LOST OR STOLEN, WITHOUT ADDITIONAL COSTS TO THE OWNER.

g. SPECIFICATIONS, IN GENERAL, DESCRIBE QUALITY AND CHARACTER OF MATERIALS AND EQUIPMENT. THE ACCOMPANYING DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT AND EXTENT OF WORK TO BE PERFORMED. THE LOCATIONS FOR EQUIPMENT AND MATERIAL AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THEY ARE SUBJECT TO SUCH MODIFICATION AS MAY BE FOUND NECESSARY TO MEET JOB CONDITIONS. SUCH CHANGES SHALL BE MADE BY THIS CONTRACTOR AT NO ADDITIONAL CHARGE.

h. SCALED AND INDICATED DIMENSIONS ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. BEFORE PROCEEDING WITH WORK, CHECK AND VERIFY ALL DIMENSIONS.

i. ALL METHODS OF WORKMANSHIP AND CONSTRUCTION AND DETAILS OF SAME NOT SPECIFICALLY DESCRIBED HEREIN SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR HIS REPRESENTATIVE.

j. MAKE ADJUSTMENTS THAT MAY BE NECESSARY OR REQUESTED IN ORDER TO RESOLVE SPACE PROBLEMS, PRESERVE HEADROOM, AND AVOID ARCHITECTURAL OPENINGS, STRUCTURAL MEMBERS AND BRANCH CIRCUITS.

k. TYPICAL DETAILS, WHERE SHOWN ON THE DRAWINGS, APPLY TO EACH AND EVERY ITEM OF THE PROJECT WHERE SUCH ITEMS ARE APPLICABLE. TYPICAL DETAILS ARE NOT REPEATED IN FULL ON THE PLANS, AND ARE DIAGRAMMATIC ONLY, BUT WITH THE INTENTION THAT SUCH DETAILS SHALL BE FOLLOWED IN ALL DETAILS.

l. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO PROVIDE A COMPLETE WORKABLE SYSTEM READY FOR THE OWNER'S OPERATION, ANY ITEM NOT SPECIFICALLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT NORMALLY REQUIRED TO CONFORM TO THE INTENT, ARE TO BE CONSIDERED A PART OF THE CONTRACT.

m. IF ANY PART OF SPECIFICATIONS OR DRAWINGS APPEARS UNCLEAR OR CONTRADICTORY, CONSULT THE ARCHITECT/DESIGN PROFESSIONAL FOR INTERPRETATION AND DECISION AS EARLY AS POSSIBLE DURING BIDDING PERIOD. DO NOT PROCEED WITH WORK WITHOUT THE ARCHITECT/DESIGN PROFESSIONAL'S DECISION.

n. UNLESS SPECIFIED OTHERWISE HEREIN, CONTRACTOR SHALL BASE HIS BID PROPOSAL WITH ALL WORK TO BE PERFORMED ON A STRAIGHT TIME NORMAL WORKING DAY.

o. ANY QUESTIONS OR DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS OF THIS SPECIFICATION OR THE DRAWINGS OR THE KIND AND QUALITY OF WORK REQUIRED THEREBY SHALL BE DECIDED BY THE ARCHITECT/DESIGN PROFESSIONAL, WHOSE INTERPRETATIONS THEREOF SHALL BE FINAL, CONCLUSIVE, AND BINDING ON ALL PARTIES.

p. VALUABLE AND GIVEN DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT ITSELF, THE BETTER QUALITY, GREATER QUANTITY OR MORE COSTLY WORK SHALL BE INCLUDED IN THE CONTRACT PRICE AND THE MATTER REFERRED TO THE ARCHITECT/DESIGN PROFESSIONAL'S ATTENTION FOR DECISION AND/OR ADJUSTMENT.

q. IF DIRECTED BY THE ARCHITECT/DESIGN PROFESSIONAL WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

r. ALL WORK SHOWN IN THE DRAWINGS AND SPECIFICATIONS SHALL BE INCLUDED UNDER THE BIDDING PRICE, EXCEPT WHERE THERE IS SPECIFIC REFERENCE TO EXCLUSIONS AND INCORPORATED IN OTHER QUOTATIONS.

s. THIS SECTION OF THE SPECIFICATIONS COVERS THE ELECTRICAL SYSTEMS OF THE PROJECT. IT INCLUDES WORK PERFORMED BY THE ELECTRICAL TRADES AS WELL AS TRADES NOT NORMALLY CONSIDERED AS ELECTRICAL TRADES.

t. PROVIDE ALL INCIDENTALS, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, SUPERVISION, LABOR CONSUMABLE ITEMS, FEES, LICENSES, ETC., NECESSARY TO PROVIDE COMPLETE SYSTEM, PERFORM START-UP AND CHECKOUT ON EACH ITEM AND SYSTEM TO PROVIDE FULLY OPERABLE SYSTEMS.

u. EXAMINE AND COMPARE THE ELECTRICAL DRAWINGS AND SPECIFICATIONS WITH THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES, AND REPORT ANY DISCREPANCIES BETWEEN THEM TO THE ARCHITECT/DESIGN PROFESSIONAL IMMEDIATELY. ANY ADJUSTMENTS OR CHANGES NECESSARY IN THE WORK, AT TIME OF BID, THE MOST STRINGENT REQUIREMENTS MUST BE INCLUDED IN SAID BID.

v. INSTALL AND COORDINATE THE ELECTRICAL WORK IN COOPERATION WITH OTHER TRADES. INSTALLATION, INTERFERENCE, MAKE PROPER ADJUSTMENTS TO THE WORK, TO AVOID INTERFERENCES IN A MANNER APPROVED BY THE ARCHITECT/DESIGN PROFESSIONAL, ALL CHANGES REQUIRED IN THE WORK OF THE CONTRACTOR, CAUSED BY HIS NEGLIGENCE TO DO SO, SHALL BE MADE BY HIM AT HIS OWN EXPENSE.

w. EXAMINE AND COMPARE THE ELECTRICAL DRAWINGS AND SPECIFICATIONS WITH THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES, AND REPORT ANY DISCREPANCIES BETWEEN THEM TO THE ARCHITECT/DESIGN PROFESSIONAL IMMEDIATELY. ANY ADJUSTMENTS OR CHANGES NECESSARY IN THE WORK, AT TIME OF BID, THE MOST STRINGENT REQUIREMENTS MUST BE INCLUDED IN SAID BID.

x. INSTRUCT OWNER'S REPRESENTATIVES IN COMPLETE OPERATION, ADJUSTMENT, AND MAINTENANCE OF THE SYSTEM.

B. EXAMINATION OF EXISTING CONDITIONS

a. VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AND/OR PRESENT BUILDINGS AFFECTED BY THIS WORK SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK, BEFORE SUBMITTING PROPOSALS. CONTRACTOR SHALL CAREFULLY EXAMINE THE PRESENT LIGHTING AND RECEPTACLE INSTALLATION METHODS, WHICH ARE TO BE EXTENDED FOR THE NEW WORK.

b. SUBMISSION TO THE PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED.

C. TIME AND MANNER OF EXECUTION OF WORK

a. ALL WORK SHALL BE DONE AS EXPEDITIOUSLY AS POSSIBLE AND IN SUCH A MANNER AS NOT TO CAUSE INTERFERENCE OF THE OWNER'S BUSINESS OR TO CAUSE THE WORK TO BE OUT OF SCHEDULE FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL NOT OBSTRUCT ENTRANCES OR PASSAGES ON THE OWNER'S PREMISES.

b. TRANSPORTATION OF MATERIAL INTO AND THROUGH THE BUILDING WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE OWNER. THE CONTRACTOR SHALL NOT OBSTRUCT ENTRANCES OR PASSAGES ON THE OWNER'S PREMISES.

c. THE OWNER WILL MAKE AVAILABLE TO THE CONTRACTOR AN ELEVATOR FOR HANDLING MATERIALS, RUBBISH, ETC. AT SUCH TIMES WHEN IT IS CONVENIENT TO THE OCCUPANTS OF THE BUILDING, THE CONTRACTOR SHALL PROTECT THE INTERIOR OF THE CAB AGAINST DAMAGE AND PROVIDE LABOR TO HANDLE MATERIALS IN AND OUT OF THE ELEVATOR AND OUT OF THE BUILDING.

D. GUARANTEE

a. THE WORK SHALL BE GUARANTEED AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE INSTALLATION AND ANY PORTIONS OF THE WORK WHICH DEVELOP DEFECTS DURING THAT TIME SHALL BE REPLACED OR REPAIRED IN A MANNER SATISFACTORY TO THE OWNER.

b. ALL MANUFACTURERS' WORKMANSHIP FOR EQUIPMENT EXTENDING BEYOND THE GUARANTEE PERIOD SHALL BE TURNED OVER TO THE OWNER.

c. REPLACE OR REPAIR TO THE SATISFACTION OF THE OWNER ANY AND ALL DAMAGE DONE TO THE BUILDING OR ITS CONTENTS OR TO THE WORK OF OTHER TRADES IN CONSEQUENCE OF WORK PERFORMED IN FULFILLING GUARANTEE.

d. THIS ARTICLE IS GENERAL IN NATURE AND WILL NOT WAIVE STIPULATIONS OF OTHER CLAIMS THAT SPECIFY GUARANTEE PERIODS IN EXCESS OF ONE (1) YEAR. IN THE EVENT DEFAULT ON THIS GUARANTEE, THE OWNER MAY HAVE SUCH WORK DONE AS REQUIRED & CHARGE THE COST TO THE CONTRACTOR.

e. THE DATE OF ACCEPTANCE SHALL BE THE DATE OF FINAL PAYMENT BY THE OWNER OR NOTICE OF ACCEPTANCE BY THE OWNER WHICHEVER IS EARLIER.

E. LAWS, ORDINANCES, PERMITS AND FEES

a. SHOULD ANY CHANGE IN DRAWINGS OR SPECIFICATIONS BE REQUIRED TO COMPLY WITH GOVERNMENTAL REGULATIONS, THE CONTRACTOR SHALL NOTIFY ARCHITECT/DESIGN PROFESSIONAL PRIOR TO EXECUTION OF THE WORK. THE WORK SHALL BE CARRIED OUT ACCORDING TO THE REQUIREMENTS OF SUCH CODE IN ACCORDANCE WITH THE INSTRUCTION OF THE ARCHITECT/DESIGN PROFESSIONAL AND AT NO ADDITIONAL COST TO THE OWNER.

b. THE PROVISIONS OF STANDARDS, CODES, LAWS, ORDINANCES, ETC., SHALL BE CONSIDERED MINIMUM REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THEIR PUBLISHED REQUIREMENTS THE ARCHITECT/DESIGN PROFESSIONAL SHALL DETERMINE WHICH IS TO BE FOLLOWED AND HIS DECISION SHALL BE BINDING. SPECIFIC REQUIREMENTS OF THIS SPECIFICATION OR THE DRAWINGS, WHICH EXCEED THE PUBLISHED REQUIREMENTS, SHALL TAKE PRECEDENCE OVER THEM.

c. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS OF THE ISSUE IN EFFECT ON DATE OF THE INVITATION FOR BIDS SHALL FORM A PART OF THIS SPECIFICATION, UNLESS THEY CONFLICT WITH LOCAL CODES.

d. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE RULES AND RECOMMENDATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, WITH ALL REQUIREMENTS OF LOCAL UTILITY COMPANIES, WITH THE RECOMMENDATIONS OF THE FIRE INSURANCE RATING ORGANIZATION HAVING JURISDICTION, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.

e. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL SECURE AND DELIVER TO THE ARCHITECT/DESIGN PROFESSIONAL, "CERTIFICATE OF APPROVAL" FROM THE VARIOUS LOCAL AGENCIES, DEPARTMENTS, CITY, COUNTY, FIRE MARSHAL, FIRE UNDERWRITERS, LOCAL BUILDING DEPARTMENT AND ALL DEPARTMENTS HAVING JURISDICTION.

f. INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS, (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) IN ORDER TO OBTAIN ALL NECESSARY PERMITS, FEES, AND OTHER COSTS IN CONNECTION WITH THE WORK; FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS, AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS HAVING

JURISDICTION; OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR THE WORK AND DELIVER TO THE ARCHITECT BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.

g. THE CONTRACTOR SHALL ESTABLISH, ENFORCE AND IMPLEMENT ALL SAFETY, HEALTH AND ENVIRONMENTAL PROTECTION MEASURES DURING PERFORMANCE OF THE WORK CONSISTENT WITH THE REITERATED REQUIREMENTS OF THE WILLIAMS-STEIGER OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (LATEST REVISION), OTHER RULES, LAWS, STATUTES, CODES, ORDINANCES, REGULATIONS AND OTHER REQUIREMENTS OF ANY AND ALL GOVERNMENTAL OR QUASI-GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THE WORK, THE PROJECT OR THE CONTRACTOR'S WORK OR ADJUST SAME TO THAT OF OTHER TRADES.

h. EQUIPMENT, FIXTURES, MATERIAL AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT, THE SERVING UTILITY COMPANIES, THE NATIONAL ELECTRICAL CODE, NATIONAL ELECTRICAL SAFETY CODE, LIFE SAFETY CODE, NEW YORK STATE BUILDING CODE, OCCUPATIONAL SAFETY AND HEALTH ACT, AMERICANS WITH DISABILITIES ACT AND APPLICABLE NATIONAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.

i. IF WORK IS LOCATED IN NEW YORK CITY THE NEC WITH NEW YORK CITY AMENDMENTS IS THE CONTROLLING CODE.

j. ALL ELECTRICAL WORK AND MATERIALS SHALL COMPLY WITH THE OWNER'S STANDARDS AND ELECTRICAL SYSTEMS REQUIREMENTS.

k. ALL LOCAL FEES, PERMITS AND SERVICES OF INSPECTION AUTHORITIES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL COOPERATE FULLY WITH LOCAL COMPANIES WITH RESPECT TO THEIR SERVICES. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COSTS TO BE INCURRED RELATIVE TO POWER SERVICE (PRIMARY AND/OR SECONDARY) AND TELEPHONE SERVICE.

F. CUTTING AND PATCHING

a. ALL CUTTING AND PATCHING SHALL BE DONE UNDER ANOTHER SECTION. FURNISH THE SIZES AND LOCATIONS OF ALL CHASES AND OPENINGS REQUIRED FOR THE INSTALLATION FOR THIS WORK BEFORE THE WALLS, FLOORS AND PARTITIONS ARE BUILT.

b. PROVIDE THE LABOR AND MATERIALS FOR ALL WORK INCLUDED UNDER THE CONTRACT OR SUBCONTRACT IN AMPLE TIME AND SUFFICIENT QUANTITIES SO THAT ALL OF THE WORK OF THE CONTRACTOR FOR SUBCONTRACT MAY BE INSTALLED IN PROPER SEQUENCE TO AVOID UNNECESSARY CUTTING OF THE FLOORS AND WALLS.

c. ANY CUTTING AND PATCHING REQUIRED, DUE TO THE FAILURE TO COMPLY WITH THE ABOVE PROVISIONS, SHALL BE DONE AT NO EXTRA COST TO OWNER. SUCH CUTTING AND PATCHING SHALL BE DONE UNDER DIVISION ONE, AS APPROVED BY THE ARCHITECT.

d. THE WORK SHALL BE CAREFULLY LAID OUT IN ADVANCE. WHERE CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILINGS OR OTHER SURFACES IS NECESSARY FOR THE PROPER INSTALLATION, SUPPORT OR ANCHORAGE OF RACEWAY, OUTLETS OR OTHER EQUIPMENT, WORK SHALL BE CAREFULLY DONE. ANY DAMAGE TO BUILDING, PIPING, EQUIPMENT OR DEDICATED FINISH PLASTER, WOODWORK, METALWORK, ETC. SHALL BE REPAIRED BY SKILLED MECHANICS OF THE TRADES INVOLVED AT NO ADDITIONAL COST TO THE OWNER.

e. THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING AND ROUGH PATCHING FOR INSTALLATION OF HIS WORK.

f. UNLESS ASSIGNED TO OTHER CONTRACTOR(S) AS PART OF CONTRACT AGREEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AND REPAIRS TO THE SURFACE. ANY CUTTING AND DRILLING SHALL BE MACHINE CUT WITH POWER DRIVEN TOOLS. CONDUIT PENETRATIONS SHALL BE CORE DRILLED.

g. WHERE CONDUITS, MOUNTING CHANNELS, OUTLET, JUNCTION, OR PULL BOXES ARE MOUNTED ON A PAINTED SURFACE, OR A SURFACE TO BE PAINTED, THEY SHALL BE PAINTED TO MATCH THE SURFACE. WHENEVER SURFACE CHANNELS ARE CUT, THE BARE METAL SHALL BE COLD GALVANIZED.

G. COORDINATION WITH OTHER TRADES

a. PRIOR TO STARTING ANY WORK, PURCHASE OF EQUIPMENT, ETC., COORDINATE WORK WITH OTHER TRADES. CONFER WITH OTHER CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION, AND ARRANGE ALL PARTS OF THIS WORK AND EQUIPMENT IN PROPER SEQUENCE AND RELATION TO OTHER WORK. COORDINATE WITH OTHER TRADES IN ORDER TO CONSTRUCT AND WITH ARCHITECTURAL FINISH SO THAT IT WILL HARMONIZE IN SERVICE AND APPEARANCE. IN THE EVENT THERE IS A CONFLICT IN COORDINATION BETWEEN TRADES, THE OWNER OR HIS REPRESENTATIVE WILL RESOLVE IT.

H. DAMAGE TO PROPERTY

a. RESTORE TO ITS ORIGINAL CONDITION, WITHOUT EXTRA PAYMENT, ANY OF THE OWNER'S PROPERTY THAT BECOMES DAMAGED DUE TO THE NEGLIGENCE OF EMPLOYEES OR AGENTS OF THE CONTRACTOR. SUCH REPAIRS SHALL BE ACCORDING TO THE ARCHITECT'S REQUIREMENTS. ALL COSTS IN THE BID PRICE FOR PERFORMING SHUTDOWNS ON PREMIUM TIME. MODULES, ETC.

I. SHUTDOWNS

a. WHEN THE INSTALLATION OF NEW WORK REQUIRES THE SHUTDOWN OF EXISTING OPERATING SYSTEMS, THE CONNECTION OF THE NEW WORK SHALL BE PERFORMED ONLY AFTER GIVING AT LEAST 72 HOURS NOTICE TO, AND OBTAINING THE WRITTEN AUTHORIZATION OF, THE OWNER.

J. SHOP DRAWINGS

a. SUBMIT REVIEWED OR REQUESTED SHOP DRAWINGS OF ALL EQUIPMENT AND OBTAIN WRITTEN REVIEW COMMENTS BEFORE ORDERING OR INSTALLING ANY MATERIAL OR EQUIPMENT. ALL SUBMITTAL TO BE IN DIGITAL FORM (PDF FILE FORMAT).

K. AS-BUILT DRAWINGS

a. FURNISH "AS-BUILT" DRAWINGS CONSISTING OF A COMPLETE SET OF AUTOCAD AND PDF DRAWINGS AND ONE SET OF PRINTED COPY SIZE PRINTS, INDICATING IN A NEAT AND ACCURATE MANNER, A COMPLETE RECORD OF ALL CHANGES TO THE ORIGINAL DESIGN OF THE WORK.

L. INSURANCE

a. FURNISH ADEQUATE LIABILITY INSURANCE AND BONDING AS REQUIRED BY THE OWNER.

M. TEMPORARY LIGHT AND POWER

a. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHT AND POWER FOR THE NEW CONSTRUCTION AREAS, IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ACCEPTED STANDARDS ESTABLISHED BY O.S.H.A. ENERGY COSTS WILL BE BORNE BY THE OWNER.

N. SEISMIC REQUIREMENTS

a. ALL EQUIPMENT SHALL BE BOLTED TO STRUCTURE TO ALLOW FOR MINIMUM 0.5G OF ACCELERATION. LIFE SAFETY EQUIPMENT AND PIPING SHALL BE BOLTED TO STRUCTURE TO ALLOW FOR MINIMUM 0.2G OF ACCELERATION.

b. ALL STRUCTURALLY SUSPENDED OVERHEAD EQUIPMENT SHALL BE FOUR-POINT INDEPENDENTLY BRACED WITH TYPE II SEISMIC RESTRAINING SYSTEM. NOTE: IF EQUIPMENT IS RIGIDLY FASTENED TO CONDUIT, DIAMETER AND DISTANCE MAY BE REDUCED TO TYPE I SEISMIC RESTRAINING SYSTEM.

c. INSTALL SEISMIC RESTRAINING SYSTEM TYPE II; TAUT FOR OVERHEAD SUSPENDED UNISOLATED EQUIPMENT, AND SLACK WITH CABLE DEFLECTION FOR ISOLATED SYSTEMS.

d. SEISMICALLY RESTRAIN ALL CONDUITS WITH CENTER BRACING OR TYPE II RESTRAINING SYSTEM IN ACCORDANCE WITH SMACNA GUIDELINES TO COMPLY WITH THE LATEST ADDITION OF THE BOCA CODE.

e. SEISMIC RESTRAINTS ARE NOT REQUIRED FOR THE FOLLOWING:

o. CONDUIT IN MECHANICAL EQUIPMENT ROOM THAT IS LESS THAN 1-1/4" INTERNAL DIAMETER.

o. CONDUITS HANGING OVER 48" IN HEIGHT SHALL BE SEISMICALLY RESTRAINED BY CABLE.

o. ALL CONDUIT SUSPENDED BY INDIVIDUAL HANGERS 12" IN LENGTH OR LESS FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER.

f. SEISMICALLY SUPPORT ALL NON-ISOLATED FLOOR AND WALL MOUNTED EQUIPMENT, INCLUDING TRANSFORMERS, GENERATORS, EMERGENCY GENERATORS, ETC.

g. ALL CEILING-MOUNTED LIGHTING FIXTURES ARE TO BE INDEPENDENTLY HUNG AND CABLE BRACED UTILIZING S.I. TYPE III CABLES. FIXTURE, PART OF LIGHTING GRIDS SHALL MEET LOCAL CODES FOR SUSPENSION AND BE FOUR-POINT INDEPENDENTLY CABLE BRACED TO DECK UNLESS A.T.C. CEILING MEETS SEISMIC ZONE II REQUIREMENTS. IF THIS IS MET, EARTHQUAKE CLIPS SHALL SECURE FIXTURE TO T-BAR CONSTRUCTION.

2. PHASING

a. EXTEND AND RECONNECT EXISTING ELECTRIC SERVICES AS INDICATED ON THE DRAWINGS, IN TIME SEQUENCE AS DIRECTED BY THE OWNER.

4. CONDUIT AND RACEWAYS

a. ALL WIRING SHALL BE RUN IN CONDUIT. MINIMUM SIZE CONDUIT SHALL BE 3/4" EXCEPT AS OTHERWISE INDICATED.

b. CONDUIT SHALL BE MADE OF STANDARD RIGID PIPE, AND SHALL BE ALUMINUM WHERE PERMITTED BY CODE, WHERE ALUMINUM IS NOT PERMITTED, SHALL BE GALVANIZED STEEL.

c. ELECTRIC METALLIC TUBING MAY BE USED IN DRY LOCATIONS FOR BRANCH CIRCUITING AND TELEPHONE AND DATA RACEWAYS.

d. TYPE AC (BX) OR MC WITH GREEN INSULATED GROUND WIRING MAY BE USED CONCEALED IN DRY LOCATIONS FOR BRANCH CIRCUITING AND TELEPHONE AND DATA RACEWAYS.

e. WIRING FOR UNDERFLOOR BOXES SHALL BE AS MANUFACTURED BY WALKER IN ACCORDANCE WITH THE BUILDING STANDARDS.

f. WIRING FOR EMERGENCY LIGHTING FIXTURES SHALL BE WIRE IN RIGID CONDUIT.

g. PROVIDE EMPTY CONDUIT WITH DRAG WIRE FOR TELEPHONE SYSTEM RUN 3/4" CONDUIT FOR ONE OUTLET, 1" CONDUIT FOR TWO OUTLETS, AND 1 1/2" FOR THREE OUTLETS. TERMINATE ENDS OF CONDUIT WITH BUSHINGS.

h. MAKE FINAL CONNECTION FROM MOTOR STARTING SWITCHES TO MOTOR BY MEANS OF CONDUCTORS IN FLEXIBLE STEEL CONDUIT. USE "SEALITE" IN WET OR DAMP LOCATIONS ONLY.

i. HANGERS, SUPPORTS AND SLEEVES SHALL BE AS ACCEPTABLE TO THE ARCHITECT. SUPPORT RISER CONDUIT AT EACH FLOOR, AND ALL OTHER CONDUIT ON EACH SIDE OF BENDS AND NOT GREATER THAN 10'-0" CENTERS. DO NOT SUPPORT COMMUNICATIONS, SIGNALING AND SIMILAR TYPE WIRING FROM CONDUITS.

j. COORDINATE CONDUIT RUNS WITH EXISTING AND NEW WORK. CONCEAL ALL CONDUIT AND OUTLET BOXES IN FINISHED AREAS UNLESS NOTED OTHERWISE.

k. RUN CONDUITS THROUGH CEILINGS, WALLS, FLOORS, CABLE SLOTS AND TELEPHONE RACKS. DO NOT SUPPORT CONDUITS OR RACEWAYS FROM TELEPHONE FRAMES, CABLE RACKS OR SUPERSTRUCTURES.

l. TERMINATE EACH CONDUIT WITH TWO LOCKNUTS, ONE INSIDE AND ONE OUTSIDE AND A BUSHING. USE ALUMINUM LOCKNUTS AND BUSHINGS FOR ALUMINUM CONDUITS AND CABLES. USE GALVANIZED PLATED STEEL FOR STEEL CONDUITS. BUSHINGS SHALL BE INSULATED PLASTIC TYPE, RATED AT NOT LESS THAN 150C, T&B SERIES 510 OR AS ACCEPTABLE. WHERE CONDUITS LARGER THAN 1" SIZE ARE TERMINATED, LOCKNUTS SHALL BE THE AVAILABLE TYPE T&B SERIES 106, OR AS ACCEPTABLE. IF ALUMINUM BONDING LOCKNUTS ARE NOT AVAILABLE, USE A BONDING WEDGE

IN ADDITION UNDER THE INTERIOR ALUMINUM LOCKNUT.

WHERE CONDUIT IS BENT, THE TERMINAL IN ECCENTRIC OR CONCENTRIC KNOCKOUTS AND WHERE ALL OF THE KNOCKOUT RINGS HAVE NOT BEEN REMOVED, INSULATED GROUNDED BUSHINGS SHALL BE USED. INSULATED GROUNDED BUSHINGS SHALL BE CAST, THREADED TYPE EQUIPPED WITH A LUG FOR GROUNDING. UPPER EDGE SHALL HAVE A NYLON RING OR A WEDGE TYPE RING WHICH IS BUSHING INTO THE BUSHING. SIZE GROUND LUG TO TAKE CONDUCTOR SIZED ACCORDING TO CODE WITH A MINIMUM SIZE OF NO. 12.

N. WHERE ELECTRICAL METALLIC TUBING IS INSTALLED, THE CONNECTORS AND COUPLINGS SHALL BE THE NYLON INSULATED THROAT TYPE AS MANUFACTURED BY THE THOMAS & BETTS CO., COMPRESSION GLAND OR TUBING LARGER THAN 1" USE BONDING LOCKNUTS AS DESCRIBED ABOVE FOR RIGID CONDUIT.

D. WHERE FLEXIBLE METALLIC CONDUIT OR TYPE AC OR MC CABLE IS INSTALLED, CONNECTORS SHALL BE THE "TITE BITE" TYPE WITH NYLON INSULATED THROATS AS MANUFACTURED BY THE THOMAS & BETTS CO., SERIES 310 OR AS ACCEPTABLE. FOR AC OR MC CABLE, INSTALL ANTI-SHORT BUSHINGS AND TERMINATE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SUPPORT CABLES PER NEC.

F. WHERE TERMINATING LIQUID TIGHT FLEXIBLE STEEL CONDUIT (SEALITE), FITTING ASSEMBLY SHALL BE SEALING TYPE CONSISTING OF STEEL GLAND, NYLON RING AND GROUND CONE ON THE OUTSIDE AND A NYLON INSULATED THROAT FITTING ON THE INSIDE. FITTINGS SHALL BE THOMAS & BETTS CO., SERIES 5331 OR AS ACCEPTABLE.

WHERE PASSING THROUGH FIRE RATED FLOORS OR WALLS USE UL LISTED FIRE RATED FITTINGS WHICH WILL PREVENT THE SPREAD OF FIRE OR PRODUCTS OF COMBUSTION, NELSON "FLAMESEAL" OR AS ACCEPTABLE OR UL APPROVED FIRE STOP SYSTEM.

R. HIGH AND LOW TENSION FLOOR FITTINGS SHALL MATCH EXISTING FITTINGS. USE NEMA 5-20 CONFIGURATION. BONDING DEVICE IN HIGH TENSION OUTLET.

S. LARGE FLOOR BOXES SHALL BE WALKER CATALOG #HWF4-DEINBN-KC AND SMALL FLOOR BOXES SHALL BE WALKER CATALOG #WAF2-FDIN-KC. RECEPTACLE DEVICES SHALL BE PRE-WIRED IN THE FACTORY AND SHALL MATCH THE BUILDING STANDARD FLOOR BOX WIRING DEVICES.

T. UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40.

5. CONDUCTORS

a. ALL WIRES AND CABLE SHALL BE COPPER TYPE THHN-THWN FOR FEEDERS AND THHN OR THWN FOR BRANCH CIRCUITS. IN CONDUIT, FIRE RESISTANT WIRE SHALL BE #12 AWG. SHALL BE USED FOR LIGHT OR POWER SERVICES. ALL BRANCH CIRCUITS MORE THAN 75 FEET LONG SHALL BE #10 FOR THE ENTIRE LENGTH UP TO THE FIRST OUTLET. ALL CONDUCTORS SHALL BE COPPER UNLESS SHOWN OTHERWISE.

B. PROVIDE PROPER LIGHTING TO PANEL AND CIRCUIT NUMBER AS SHOWN. MAXIMUM NUMBER OF HOME RUNS IN A COMMON CONDUIT SHALL BE 3. A COMMON NEUTRAL MAY BE USED FOR UP TO 3 PHASED CIRCUITS EXCEPT AS OTHERWISE INDICATED. A SEPARATE NEUTRAL SHALL BE RUN FOR EACH CIRCUIT SERVING DATA PROCESSING EQUIPMENT.

C. ALL WIRING AND CABLE SHALL BE COLOR CODED AS FOLLOWS:

PHASE

COLOR

A OR 1 208/120V BLACK 480/277V BROWN

B OR 2 RED ORANGE

C OR 3 BLUE YELLOW

NEUTRAL WHITE OR LIGHT GRAY

EQUIPMENT GROUND GREEN

D. WHERE CABLES PASS THROUGH FIRE RATED, FIRE RESISTANT AND/OR FIRE STOPPED FLOORS, USE FIRE STOPPING MATERIALS TO MATCH THE MATERIALS USED WITH MATCHING PLATES. HEAVY DUTY DEVICES SHALL CONFORM TO NEMA STANDARD WD-1.

I. ALL LOCAL SWITCHES EXCEPT AS OTHERWISE INDICATED SHALL BE TOGGLE TYPE 20 AMPERE, 120-277V CAPACITY WITH FULLY ENCLOSED COMPOSITION CASES. SWITCHES SHALL BE LEVITON 500/200R DEPENDENT SWITCHING AND HUBBELL HBL 1221 FOR COMMERCIAL TYPE, OR AS DESIGNATED BY ARCHITECT.

J. ALL RECEPTACLES SHALL BE 20 AMP, 2-POLE, 3-WIRE, NEMA 5-20R, UNLESS SHOWN OTHERWISE ON DRAWINGS. DECORATOR TYPE SHALL BE HUBBELL STYLE LINE HBL 2162; COMMERCIAL TYPE SHALL BE HUBBELL TYPE HBL 2162.

K. RECEPTACLES IN UNDERFLOOR BOXES SHALL BE INSTALLED AND PRE-WIRED AT THE FACTORY IN ACCORDANCE WITH THE EXISTING BUILDING STANDARDS.

L. NEW WIRING DEVICES SHALL BE COORDINATE WITH ARCHITECT AND OWNER TO MATCH EXISTING BUILDING STANDARDS. USE ONLY ALUMINUM TAP, SUPPORT AND PULL BOXES WITH ALUMINUM CONDUIT. ALL STEEL BOXES SHALL BE PRIMED AND FINISHED IN GRAY ENAMEL.

6. PANELBOARDS

A. PROVIDE COMPLETE PANELBOARDS.

B. PROVIDE TWO (2) KEYS FOR EACH CABINET LOCK.

C. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE CIRCUIT BREAKERS COMPATIBLE WITH EXISTING PANELBOARDS.

D. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING MANUFACTURERS: SQUARE D, SIEMENS, GENERAL ELECTRIC, EATON, CUTLER HAMMER.

E. PROVIDE PANELBOARDS CONSISTING OF AN ASSEMBLY OF BRANCH CIRCUITS SWITCHING AND PROTECTIVE DEVICES (CIRCUIT BREAKERS, SWITCH AND FUSE UNITS, OR COMBINATION THEREOF) MOUNTED INSIDE A DEAD FRONT ENCLOSURE. PROVIDE THE NUMBER AND SIZE OF THESE BRANCH CIRCUIT DEVICES AS INDICATED BY THE CIRCUITING, ON THE DRAWINGS, AND IN THE SCHEDULES. LOCATIONS OF CIRCUIT BREAKERS SHALL BE INDICATED IN THE SCHEDULES.

F. PROVIDE AND DISTRIBUTION PANELBOARDS

a. SHALL BE OF THE VOLTAGE AND AMPERAGE SHOWN, 3 PHASE, 4 WIRE, 44,000 AMPS AIC MINIMUM UNLESS SHOWN OTHERWISE. DEAD FRONT, CIRCUIT BREAKER TYPE, WITH MAIN CIRCUIT BREAKER AND OVERCURRENT PROTECTION. PROVIDE A BUS BAR, BUS BAR TRIM, AND GROUND BARS, NEMA TYPE I ENCLOSURE AND SURFACE TRIM. BLANK CIRCUIT BREAKER SPACES SHALL BE FULLY BUSED AND READY TO ACCEPT FUTURE CIRCUIT BREAKERS.

G. INTERIORS

a. PROVIDE REMOVABLE ASSEMBLY OF COPPER BUS BARS AND INTERCHANGEABLE BOLTED BRANCH CIRCUIT DEVICES.

b. BUS BARS SIZED IN ACCORDANCE WITH UL STANDARDS TO LIMIT TEMPERATURE RISE ON ANY CURRENT CARRYING PART TO A MAXIMUM OF 65 DEGREES C ABOVE AN AMBIENT OF 40 DEGREES C MAXIMUM.

c. BUS BARS DRILLED TO PERMIT BRANCH CIRCUIT DEVICES OF ALL SIZES AND NUMBER OF POLES TO BE INTERCHANGEABLE AND INSTALLED IN ANY SPARE SPACE OF SUFFICIENT SIZE, WITHOUT DISTURBING ADJACENT UNITS. WITHOUT REMOVING MAIN BUS OR BRANCH CIRCUIT CONNECTORS AND WITHOUT DRILLING OR TAPPING IN THE FIELD.

d. ARRANGE BUS IN SEQUENCE OR DISTRIBUTED PHASING SO THAT MULTI-POLE CIRCUIT BREAKER CAN REPLACE ANY GROUP OF SINGLE CIRCUIT BREAKERS OF THE SAME SIZE.

e. FULL-SIZE (100%-RATED) INSULATED NEUTRAL BARS SHALL BE INCLUDED FOR PANELBOARDS SHOWN WITH INSULATED NEUTRAL BARS. HAVE A SUFFICIENT LUG FOR EACH OUTGOING FEEDER REQUIRING A NEUTRAL CONNECTION. 200%-RATED NEUTRALS SHALL BE SUPPLIED FOR PANELS DESIGNATED ON DRAWINGS WITH OVERSIZED NEUTRAL CONDUCTORS AND PANELS SERVED FROM K-RATED TRANSFORMERS.

f. PROVIDE MINIMUM 25% RATED NON-INSULATED GROUND BUS IN EACH PANELBOARD. CONNECT TO GROUND LUG. GROUND BUS SHALL HAVE SUFFICIENT CAPACITY FOR ALL BRANCH CIRCUITS. ON 208Y/120V PANELBOARDS PROVIDE AN ADDITIONAL ISOLATED GROUND BUS WHERE REQUIRED.

H. ENCLOSURE

a. CODE GAUGE STEEL BOX GALVANIZED.

b. PROVIDE A WELDED GROUND CONNECTOR TO INSIDE OF ENCLOSURE.

c. FLUSH MOUNTED IN FINISHED AREAS AND WHERE INDICATED, SURFACE MOUNT ELSEWHERE.

d. CABINETS SHALL INCLUDE AMPLE CONCENTRIC KNOCKOUTS ON TOP, BOTTOM, SIDES, AND BACK.

I. FRONT

a. DOORS MUST BE PROVIDED ON ALL LIGHTING AND POWER PANELS.

b. DOORS SHALL BE HINGED ON EITHER THE LEFT OR RIGHT AND EQUIPPED WITH A 110 DEGREE DOORSTOP OR A CONTINUOUS PIANO-TYPE HINGE WITH A MAXIMUM OPENING OF 160 DEGREES.

c. DOORS SHALL BE DOOR IN DOOR TYPE HEAVY GAUGE STEEL TO MAINTAIN PANEL FACE FLAT.

d. THE CABINET SHALL BE POWDER-COATED OVER A RUST INHIBITOR OR A BAKED ENAMEL FINISH. THE COLOR SHALL BE ANSI 61 LIGHT GRAY.

e. PROVIDE CYLINDER LOCK. ALL PANELS KEYED ALIKE. PROVIDE FOUR (4) OF EACH PANEL KEY.

f. WELDED ANGLE REST AT THE BOTTOM OF THE DOOR TO FACILITATE COVER INSTALLATION.

g. DOORS SHALL BE DOOR IN DOOR TYPE HEAVY GAUGE STEEL TO MAINTAIN PANEL FACE FLAT.

h. METAL BLANK FILLERS (PLASTIC FOR RETROFITS) SHALL BE PROVIDED FOR EACH UNUSED CIRCUIT POSITION.

i. A PREPARED STICKER IS TO BE AFFIXED TO THE INSIDE OF THE PANELBOARD WITH EMERGENCY 24-HOUR TELEPHONE NUMBERS FOR PARTS AND/OR REPAIR.

J. TERMINAL LUGS

a. BOLTED TYPE, LABELED FOR EITHER COPPER OR ALUMINUM CONDUCTORS.

b. LOCATE MAIN LUGS PROPERLY AT TOP OR BOTTOM, DEPENDING WHERE MAIN FEEDER ENTERS.

K. ELECTRICAL RATINGS

a. ALL CIRCUIT BREAKERS SHALL BE FULLY-RATED UNLESS THE DRAWINGS SPECIFICALLY INDICATE SERIES RATING. WHEN SERIES RATINGS ARE APPLIED WITH INTEGRAL OR REMOTE UPSTREAM DEVICES, A LABEL OR MANUAL SHALL BE PROVIDED. IT SHALL STATE THE CONDITIONS OF THE UL SERIES RATINGS INCLUDING:

o. a. SIZE AND TYPE OF UPSTREAM DEVICE

o. b. BRANCH DEVICES THAT ARE BEING PROTECTED

o. c. UL SERIES SHORT-CIRCUIT RATING

b. WHERE INDICATED, PROVIDE PANELBOARDS HAVING A "SERVICE ENTRANCE" TYPE UL LABEL WITH NEUTRALS FACTORY BONDED TO FRAME OR ENCLOSURE.

L. ALL PANELBOARDS SHALL BE LABELED WITH THE FOLLOWING INFORMATION:

a. "DANGER OF ELECTRICAL SHOCK" LABEL

b. UL LISTING

c. MANUFACTURER'S NAME

d. DATE OF MANUFACTURE

e. # OF PHASES

f. VOLTAGE RATING

g. CURRENT RATING

h. SHORT-CIRCUIT RATING

M. UNLESS OTHERWISE SPECIFIED SHALL BE EQUIPPED WITH PLASTIC DESIGNATION PLATE.

N. CIRCUIT BREAKER DEVICES

a. PLASTIC MOLDED CASE, COMPLETELY SEALED ENCLOSURE. TOGGLE TYPE OPERATING HANDLE.

b. TRIP AMPERE RATING AND ON/OFF INDICATION CLEARLY.

c. VISIBLE.

d. THERMAL-MAGNETIC TRIP-FREE, TRIP-INDICATING, QUICK-MAKE, QUICK-BREAK, WITH INVERSE TIME DELAY CHARACTERISTICS. SINGLE-HANDLE AND COMMON TRIP MULTIPOLAR BREAKERS.

e. SILVER ALLOY CONTACTS WITH AUXILIARY ARC-QUENCHING DEVICES.

f. PANELBOARD MUST BE OF THE TYPE WHICH WILL ACCEPT THE FIELD INSTALLATION OF SHUNT TRIP DEVICES OF 60 AMPERES OR LESS ON THE BRANCH DEVICES.

g. CIRCUIT BREAKERS FOR POWER AND DISTRIBUTION PANELBOARDS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 44,000 AMPS RMS AT 240 VOLTS AC.

h. CIRCUIT BREAKERS FOR LIGHTING AND RECEPTACLE PANELBOARDS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 15,000 AMPS RMS AT 240 VOLTS AC.

i. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE A TRIP UNIT FOR SWITCHING PURPOSES.

j. BOLTED TYPE TERMINALS UL LISTED FOR EITHER ALUMINUM OR COPPER 75 DEGREES C CABLES.

k. PROVIDE MAIN BREAKERS IN PANELS SERVED FROM TRANSFORMERS UNLESS SEPARATE TRANSFORMER SECONDARY PROTECTION IS PROVIDED.

K. LOCATE NEXT TO EACH BREAKER OR SPACE UNIT AN INDIVIDUAL NUMBER.

L. BENEATH COOKING HOODS SHALL INCLUDE A SHUNT TRIP COIL.

M. SHUNT TRIP BREAKERS SHALL BE SUPPLIED WITH 120 VOLT COILS. PROVIDE 120 VOLT CIRCUIT FROM NEAREST 120 VOLT PANEL TO COIL. WHERE SHUNT TRIP BREAKERS ARE IN EMERGENCY PANELS PROVIDE EMERGENCY 120 VOLT SOURCE FOR SAME FROM NEAREST 120 VOLT EMERGENCY PANEL.

N. PROVIDE LOCKING DEVICE FOR DESIGNATED BREAKERS.

O. FOR HVAC EQUIPMENT PROVIDE UL LISTED "HACR" TYPE DEVICES.

P. GROUND FAULT INTERRUPTERS

a. GROUND FAULT INTERRUPTER BRANCH CIRCUIT BREAKERS SHALL BE AS INDICATED ON THE DRAWINGS. CIRCUIT BREAKERS SHALL BE CIRCUIT INTERRUPTING WHICH WILL OPERATE MANUALLY FOR NORMAL SWITCHING FUNCTIONS AND AUTOMATICALLY UNDER OVERLOAD, SHORT CIRCUIT, AND GROUND FAULT CONDITIONS. THE OPERATING MECHANISM SHALL BE ENTIRELY TRIP-FREE SO THAT CONTACT CANNOT BE HELD CLOSED AGAINST AN ABNORMAL OVERCURRENT, SHORT CIRCUIT, OR GROUND FAULT CONDITION. THE DEVICE SHALL BE BOLT-ON TYPE, WITH CASE, CONSTRUCTION AND SHALL BE INTERCHANGEABLE WITH STANDARD 1P BREAKERS UTILIZED IN THE PANELBOARD.

P. INSTALLATION

a. MOUNT ALL PANELS AT A MAXIMUM HEIGHT OF 6 FEET 6 INCHES TO TOP UNLESS OTHERWISE NOTED.

b. WHERE FLUSH MOUNTED, THE FIRE INTEGRITY OF THE WALL IN WHICH IT IS INSTALLED MUST BE MAINTAINED.

c. NEATLY ARRANGE BRANCH CIRCUIT WIRES AND TIE TOGETHER IN EACH GUTTER WITH THOMAS & BETTS NYLON "TY-RAPS", OR APPROVED EQUAL AT MINIMUM 4 INCH INTERVALS.

d. PLUG ALL KNOCKOUTS REMOVED AND NOT UTILIZED.

e. PROVIDE NAMEPLATE AND FILL OUT PANEL DIRECTORY. FOR REMODEL WORK OR CHANGES, TRACE CIRCUITS TO DETERMINE LOADS AND PROVIDE NEW UPDATED DIRECTORY.

f. PROVIDE GROUNDING AND BONDING JUMPERS AS INDICATED IN THE DRAWINGS.

Q. BALANCING

a. ALL BRANCH CIRCUITS SHALL BE BALANCED AT THEIR RESPECTIVE PANEL TO WITHIN 10 PERCENT FULL LOAD APPLIED.

7. LIGHTING AND POWER MATERIALS

A. FURNISH AND INSTALL ALL BOXES, FITTINGS, DEVICES, RACEWAYS, CONDUCTORS, CONNECTIONS, MOUNTING ACCESSORIES, ADAPTERS AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR A COMPLETE ELECTRICAL INSTALLATION.

B. INSTALL ELECTRIC OUTLETS VERTICALLY UNLESS NOTED TO THE CONTRARY AT HEIGHTS AS NOTED. THOSE LOCATED ON INTERIOR COLUMNS SHALL BE CENTERED LATEROALLY.

C. PROVIDE FLOOR FUNCTION BOXES WITH FLOORING OR CARPET HOLDERS TO SATISFY FINISHED FLOOR CONDITIONS.

D. FINISH OF FLOOR SERVICE FITTINGS, CARPET HOLDERS AND EXPOSED ELECTRICAL HARDWARE SHALL MATCH THE BUILDING STANDARD PRESENTLY IN USE.

E. MOUNTING HEIGHT OF CONVENIENCE RECEPTACLES SHALL BE 18" AFF.F., UNLESS OTHERWISE NOTED.

F. WHERE COUNTER AREAS CONFLICT WITH RECEPTACLES, MOUNT RECEPTACLES ABOVE BACK SPLASH.

G. PROVIDE CAST BOXES FOR EXPOSED WORK, AND WHERE INSTALLED FLUSH IN FLOORS, ALL OTHER OUTLET BOXES SHALL BE SHEET STEEL AND GALVANIZED. FLOOR BOXES SHALL BE ADJUSTABLE TYPE.

H. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE. DECORATOR TYPE SHALL BE PROVIDED IN FINISHED AREAS. PROVIDE ALL WIRING DEVICES WITH MATCHING PLATES. HEAVY DUTY DEVICES SHALL CONFORM TO NEMA STANDARD WD-1.

I. ALL LOCAL SWITCHES EXCEPT AS OTHERWISE INDICATED SHALL BE TOGGLE TYPE 20 AMPERE, 120-277V CAPACITY WITH FULLY ENCLOSED COMPOSITION CASES. SWITCHES SHALL BE LEVITON 500/200R DEPENDENT SWITCHING AND HUBBELL HBL 1221 FOR COMMERCIAL TYPE, OR AS DESIGNATED BY ARCHITECT.

J. ALL RECEPTACLES SHALL BE 20 AMP, 2-POLE, 3-WIRE, NEMA 5-20R, UNLESS SHOWN OTHERWISE ON DRAWINGS. DECORATOR TYPE SHALL BE HUBBELL STYLE LINE HBL 2162; COMMERCIAL TYPE SHALL BE HUBBELL TYPE HBL 2162.

K. RECEPTACLES IN UNDERFLOOR BOXES SHALL BE INSTALLED AND PRE-WIRED AT THE FACTORY IN ACCORDANCE WITH THE EXISTING BUILDING STANDARDS.

L. NEW WIRING DEVICES SHALL BE COORDINATE WITH ARCHITECT AND OWNER TO MATCH EXISTING BUILDING STANDARDS. USE ONLY ALUMINUM TAP, SUPPORT AND PULL BOXES WITH ALUMINUM CONDUIT. ALL STEEL BOXES SHALL BE PRIMED AND FINISHED IN GRAY ENAMEL.

8. DISCONNECTS

A. DISCONNECTS SHALL CONFORM TO NEMA AND UL STANDARDS, AND BE INSTALLED WHERE SHOWN ON DRAWINGS OR REQUIRED BY CODE. DISCONNECTS SHALL BE HORSEPOWER RATED UNITS TO MAXIMUM SIZES LISTED BY UL. SWITCHES USED FOR SERVICE ENTRANCE SHALL BE APPROVED FOR SERVICE AND PROVIDED WITH NEUTRAL AND GROUND BARS.

B. PROVIDE QUICK-MAKE, QUICK-BREAK MECHANISM, SINGLE THROW WITH EXTERNAL OPERATING HANDLE MECHANICALLY INTERLOCKED WITH ENCLOSURE COVER TO PROVIDE NORMAL ACCESS TO INSIDE OF ENCLOSURE WHEN DISCONNECT IS IN OFF POSITION ONLY AND WITH MEANS TO OPERATE MECHANISM FROM OUTSIDE OF ENCLOSURE.

C. PROVIDE MEANS TO LOCK THE OPERATING HANDLE IN THE OPEN AND CLOSED POSITION. DESIGNATE ON THE ENCLOSURE THE OPEN AND CLOSED POSITION OF THE OPERATING HANDLE.

D. SWITCHES SHALL BE HEAVY DUTY TYPE.

E. SWITCHES SHALL BE PROVIDED WITH A STATIONARY CONTACT TYPE WITH ARC-QUENCHING DEVICE ON EACH POLE FOR DISCONNECTS RATED ABOVE 250 VOLTS.

F. SWITCHES SHALL BE FUSIBLE OR UNFUSIBLE AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED.

G. FUSED SWITCHES SHALL BE COMPLETE WITH CLASS "RK-5" OR "L" FUSES AS REQUIRED.

H. ALL SWITCHES IN INDOOR, DRY LOCATIONS SHALL BE MOUNTED IN NEMA TYPE I ENCLOSURES.

9. LIGHTING FIXTURES

A. FURNISH AND INSTALL A LIGHTING FIXTURE WITH LAMPS OF THE TYPE INDICATED AT EACH LOCATION SHOWN, FOR EXACT LOCATIONS AND TYPES, REFER TO DRAWINGS WITH SCHEDULE.

B. FIXTURE MOUNTING ARRANGEMENTS SHALL CONFORM TO ALL APPLICABLE CODES, AND SHALL BE AS ACCEPTABLE TO THE ARCHITECT.

C. LIGHTING FIXTURES AND LAMP HOLDERS SHALL BEAR UL LABEL.

D. INCANDESCENT LAMP HOLDERS ALSO SHALL BE CSA LISTED.

E. FLUORESCENT BALLASTS FOR 2', 3', 4' AND 5' T-8 LAMPS AND 3' AND 4' T-12 RAPID START SHALL BE ELECTRONIC RAPID START BALLASTS BY MOTOROLA SERIES RN T8/T12 ILL DR AS APPROVED.

10. GROUNDING & BONDING

A. CONNECT SYSTEM COMPONENTS MECHANICALLY AND ELECTRICALLY TO PROVIDE AN INDEPENDENT RETURN PATH TO GROUND ELECTRODE.

B. USE EXOTHERMIC WELDING PROCESS FOR INACCESSIBLE CONNECTIONS.

C. EXTEND EXISTING SYSTEM GROUND TO INCLUDE ALL THE ELECTRICAL WORK IN THE SCOPE OF THIS ALTERATION.

D. GROUND EACH GENERAL PURPOSE TRANSFORMER BY RUNNING A CONDUCTOR FROM THE TRANSFORMER NEUTRAL TO A LUG WELDED OR BRAZED TO THE INTERIOR OF THE ENCLOSURE.

E. RUN CABLE FROM THIS LUG TO NEAREST BUILDING MAJOR STRUCTURAL MEMBER; OR, IF NOT READILY AVAILABLE, TO THE NEAREST 1-1/2" OR LARGER COLD WATER PIPE AS DESCRIBED ABOVE, EXCEPT USE ONLY A SINGLE PIPE CLAMP.

F. IN RAISED FLOOR AREAS, ALSO GROUND TO RAISED FLOOR, WHERE FLEXIBLE METALLIC CONDUIT IS USED, INSTALL AN INTERNAL BONDING CONDUCTOR WHERE AN ISOLATED GROUND SYSTEM IS USED, RUN AN ADDITIONAL CONDUCTOR FOR THE ISOLATED AND EQUIPMENT GROUNDS.

G. GROUND MOTORS BY CONNECTING A CONDUCTOR FROM A GROUNDING BUSHING IN THE STARTER TO THE MOTOR FRAME. INSTALL CONDUCTOR IN THE CONDUIT WITH THE CIRCUIT CONDUCTORS AND TERMINATED IN THE MOTOR CONNECTION BOX PROVIDING THE TERMINAL IS MECHANICALLY CONNECTED TO THE FRAME.

H. RUN ADDITIONAL GROUND CONDUCTOR IN PRIMARY AND SECONDARY CONDUITS TO TRANSFORMERS AND TO ALL EQUIPMENT CONNECTED BY FLEXIBLE CONDUIT TO IMPROVE GROUNDING OF FLEXIBLE CONDUIT.

11. TELECOMMUNICATION AND DATA SYSTEMS

A. EXTEND EXISTING CONDUIT UP FROM WALL MOUNTED OUTLET BOX INTO ACCESSIBLE HUNG CEILING AND TERMINATE IN BUSHING UNLESS OTHERWISE NOTED. PROVIDE DRAG LINE FROM OUTLET BOX UP INTO CEILING OR ACCESSIBLE LOCATION BY FUTURE CABLE INSTALLER.

B. OUTLETS SHALL BE A SINGLE GAN BOX EXCEPT AS OTHERWISE NOTED.

C. BUSH ENDS OF ALL CABLES SHALL BE PROTECTED BY PLASTIC BUSHINGS.

D. DATA CABLE AND TELECOM PLATES WILL BE FURNISHED, INSTALLED AND CONNECTED BY OTHERS.

DATE ISSUED

08-22-2026 ISSUED FOR 100%ADD/0%GND REVIEW

07-20-2026 ISSUED FOR 90%GND REVIEW

08-17-2026 ISSUED FOR GENERAL CONSTRUCTION BID AS SINGLE PRIME CONTRACT INCLUDING ALL TRADES



SENLEWSKI ARCHITECTS, P.C. ARCHITECTS - PLANNERS

216 PARKWAY AVENUE, ELLENVILLE, NY 12051 (847) 727-5382

ELLENVILLE, NY 12051

3555 Veterans Memorial Highway, Suite M, Randolph, NY 11779

P: 847.981.3900 F: 847.981.3911 WWW.ARMCE-ENGINEERS.COM

PROPOSED NEW FACILITY ELLENVILLE FIRE DISTRICT

203 S. MAIN ST. NYS ROUTE 209 ELLENVILLE, NY 12428

ELECTRICAL SPECIFICATIONS

PROJECT No. 2501

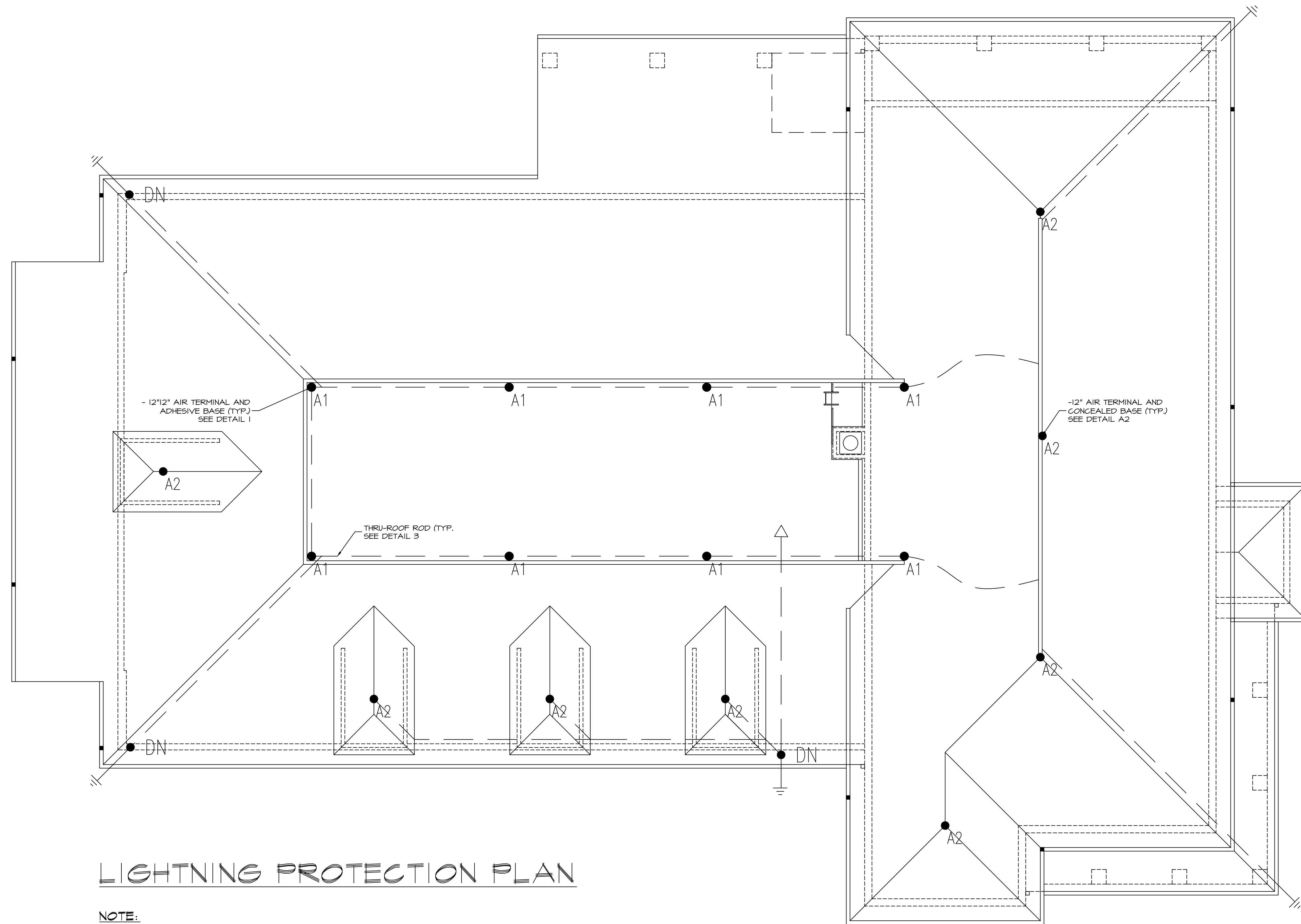
EMTEC 7611

CHECKED BY: JE/ARS

DRAWING:

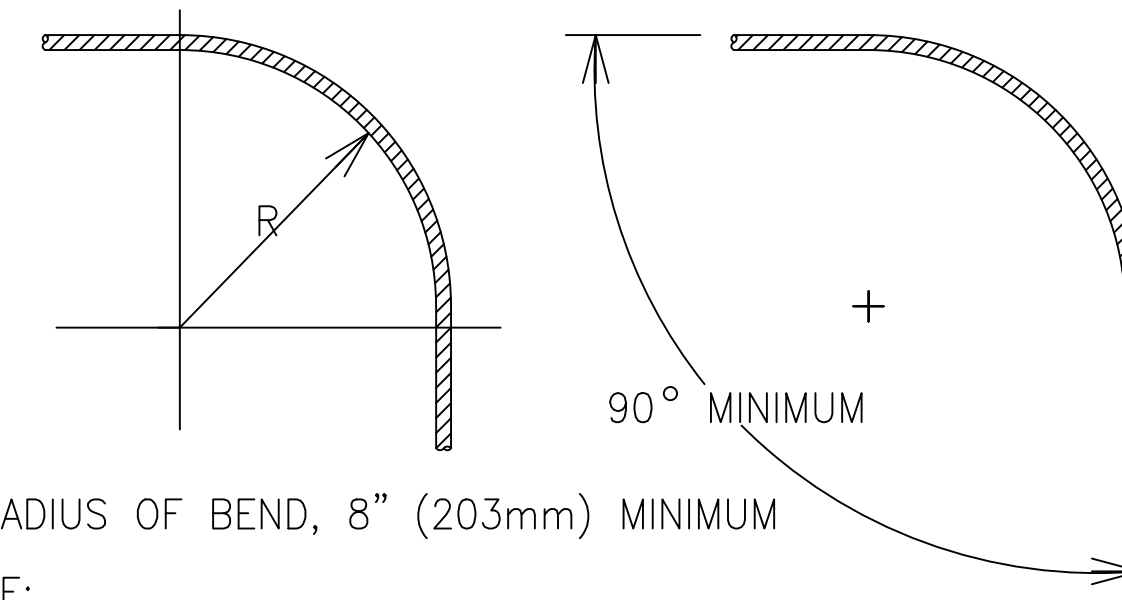
"It is a violation of the State Education Law for any person, unless he or she is acting under the direction of a licensed professional engineer to alter on item in anyway, on this drawing and/or in this specification in anyway. If any such item is altered, the altering engineer shall affix to the item his or her seal and the notation "Altered by [name] and [signature] or her signature and the date of such alteration, and a specific description of the alteration."

This plan is approved only for the work indicated on the application specification sheet, all other matters are not to be relied upon, nor be considered as other being approved or in accordance with applicable codes.



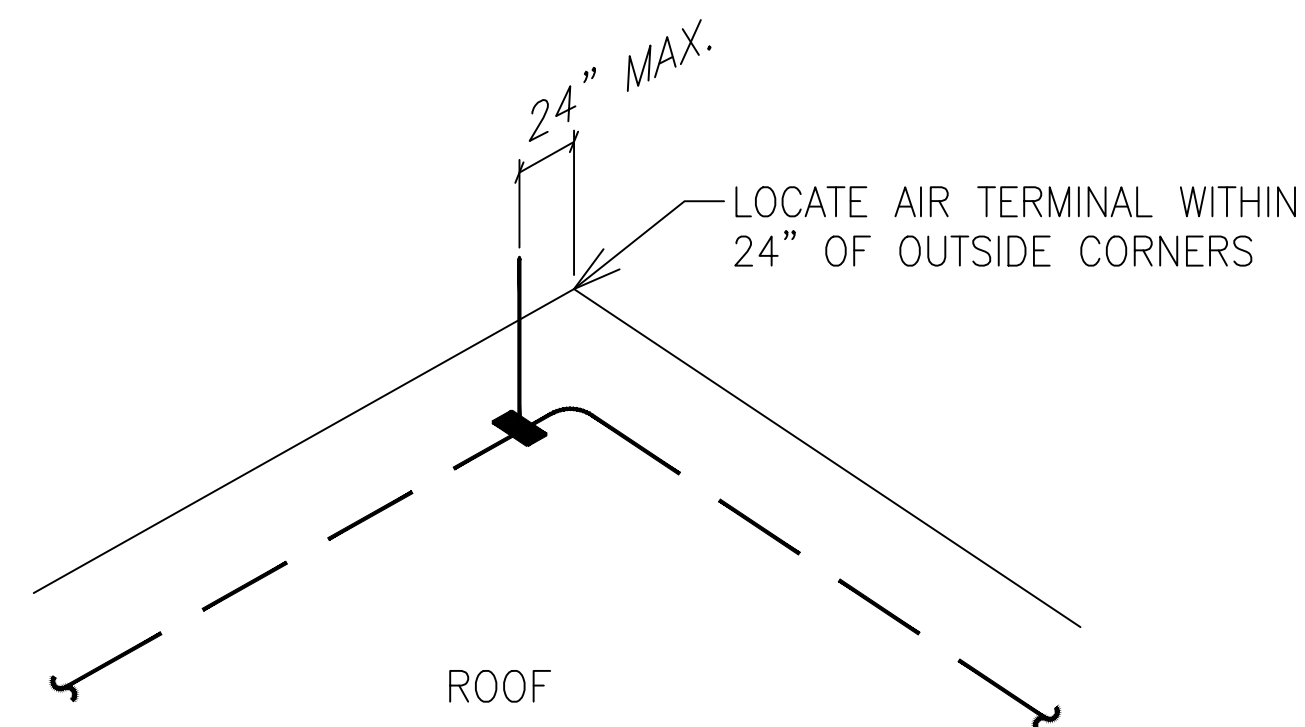
LIGHTNING PROTECTION PLAN

NOTE:
ALL LIGHTING PROTECTION TO BE INCLUDED IN BASE BID



NOTE:
-LP CONDUCTOR SHALL REMAIN IN A HORIZONTAL OR DOWN-
WARD PATH AVOIDING "U" & "V" POCKETS (DOWN & UP).
-NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED
ANGLE OF LESS THAN 90° OR HAVE A RADIUS
OF BEND LESS THAN 8".

8" MIN. RADIUS BEND IN CABLE



AIR TERMINALS SHALL BE LOCATED WITHIN 24" OF OUTSIDE CORNERS

NTS

DATE ISSUED

09-17-2026
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES

SEAL



SENDEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS
215 ROANOKE AVENUE
RIVERHEAD, NY 11901
MFS@FIREHOUSEPLANNER.COM
(631) 727-5352

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

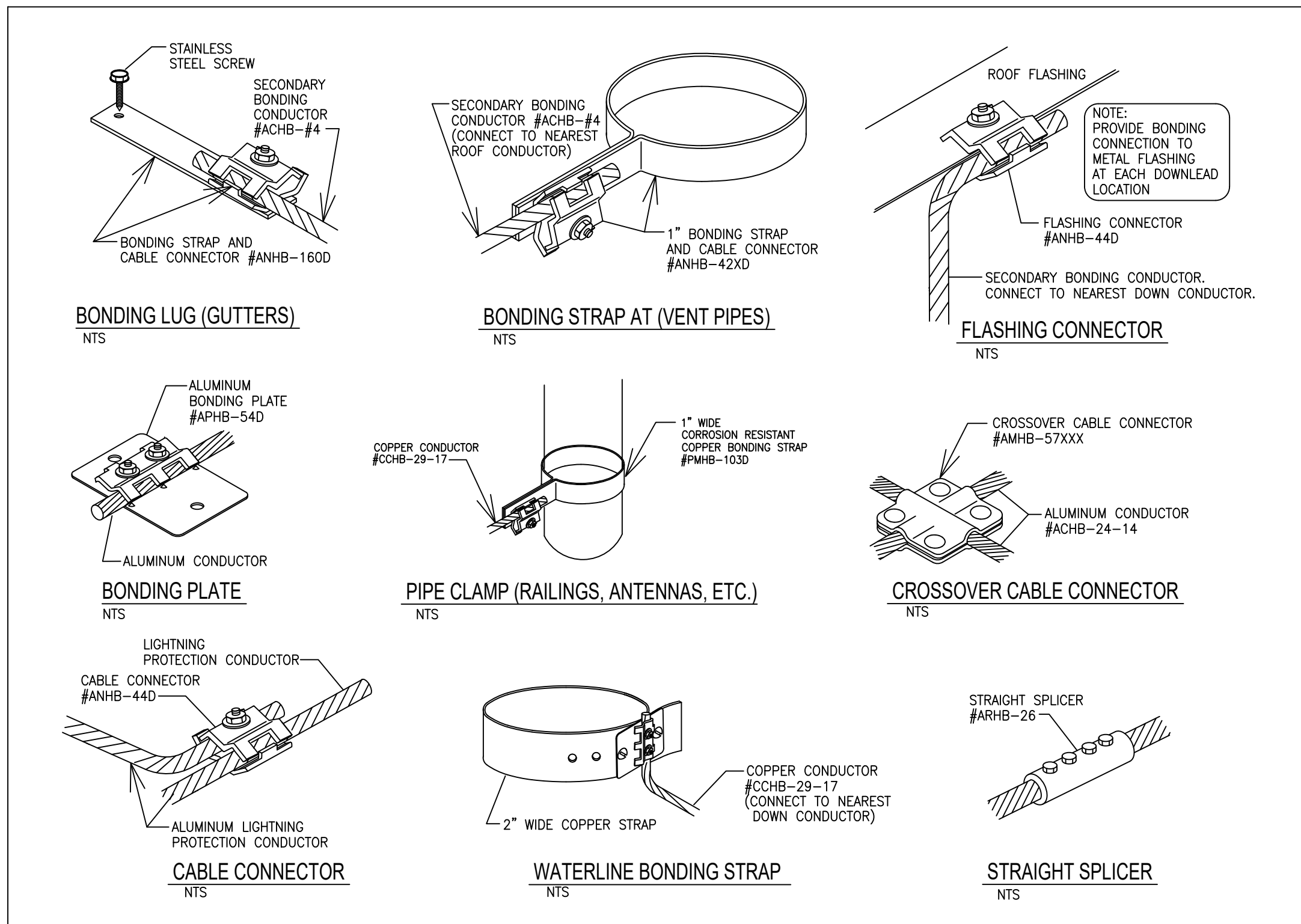
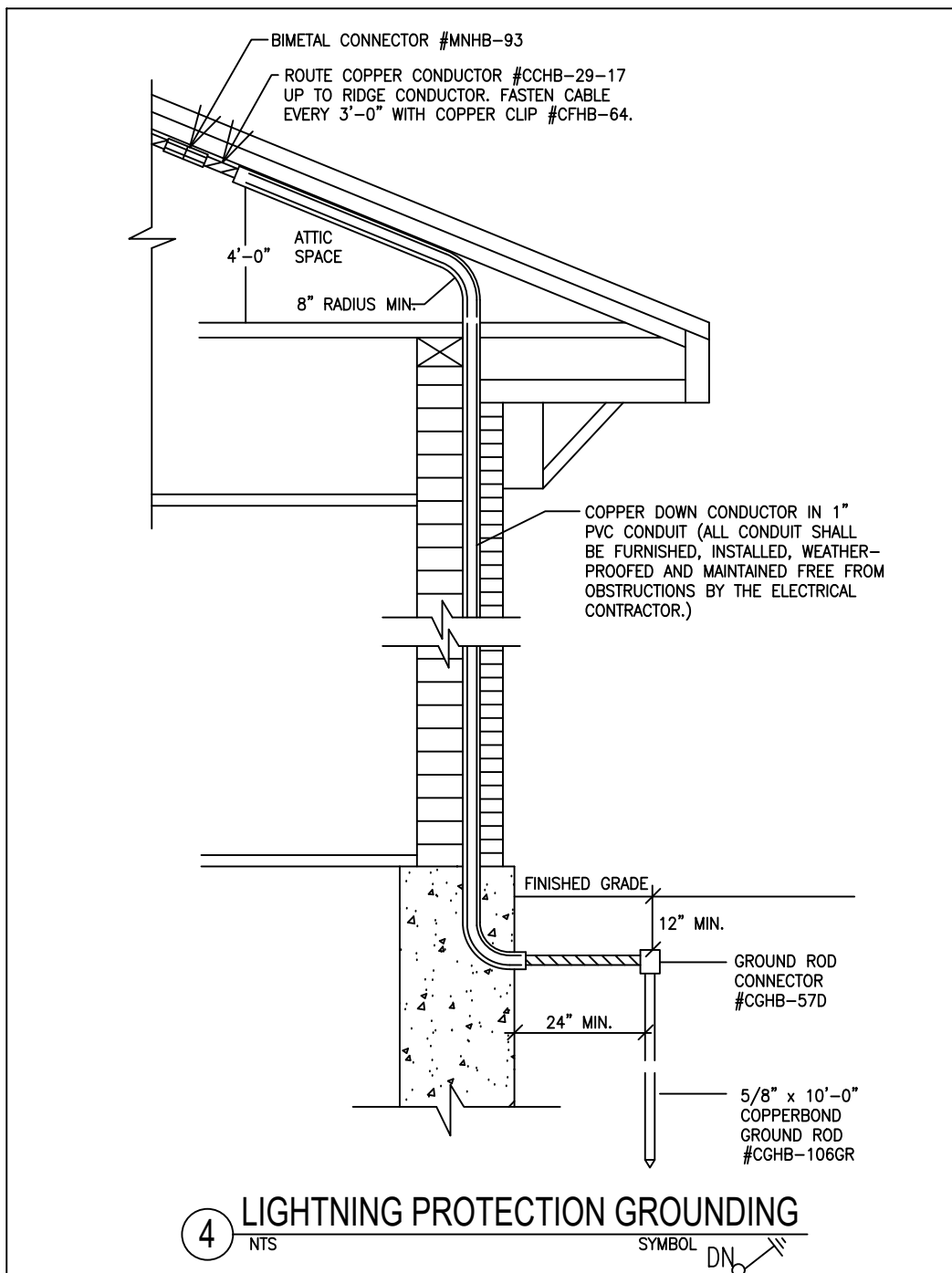
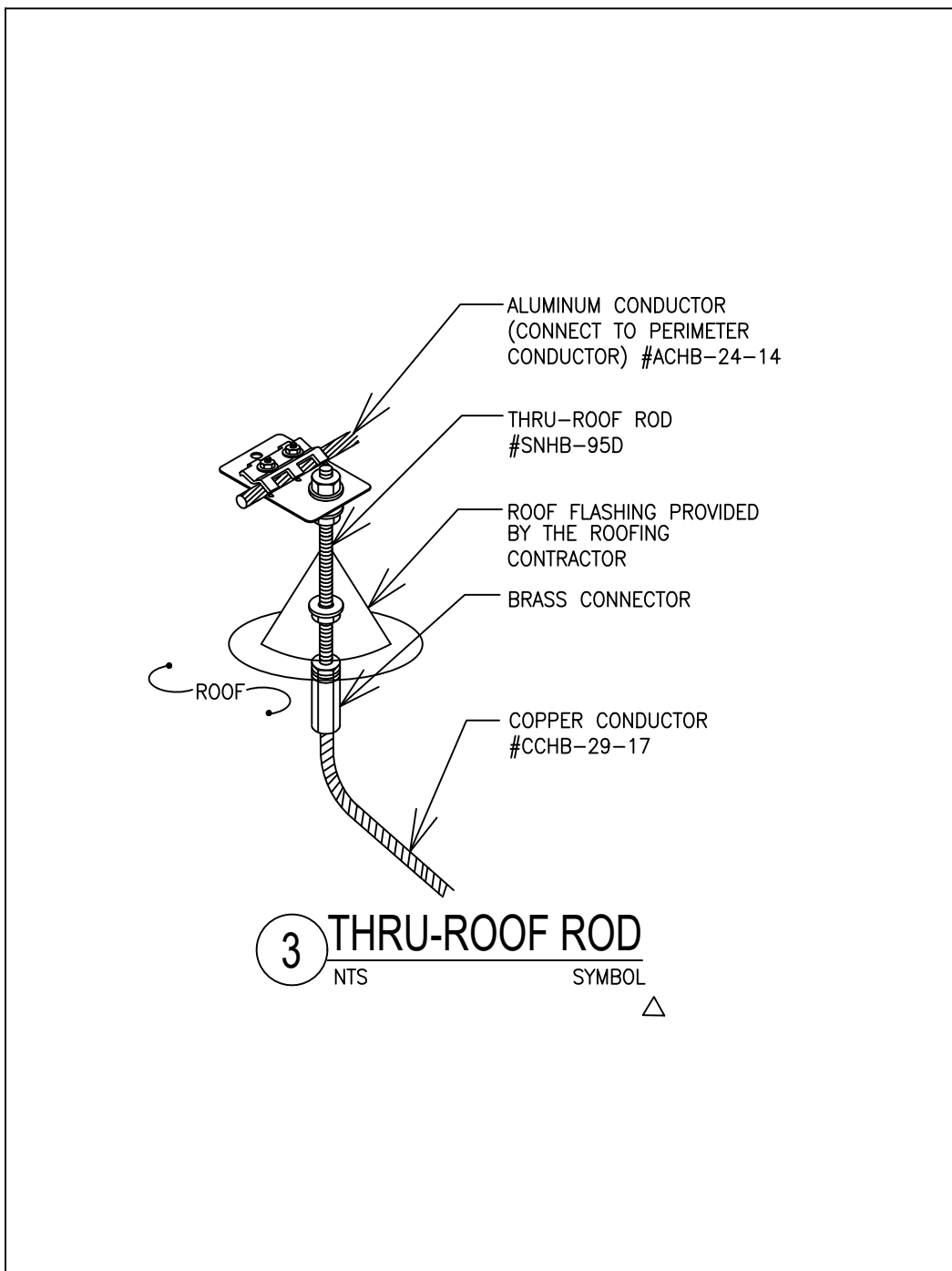
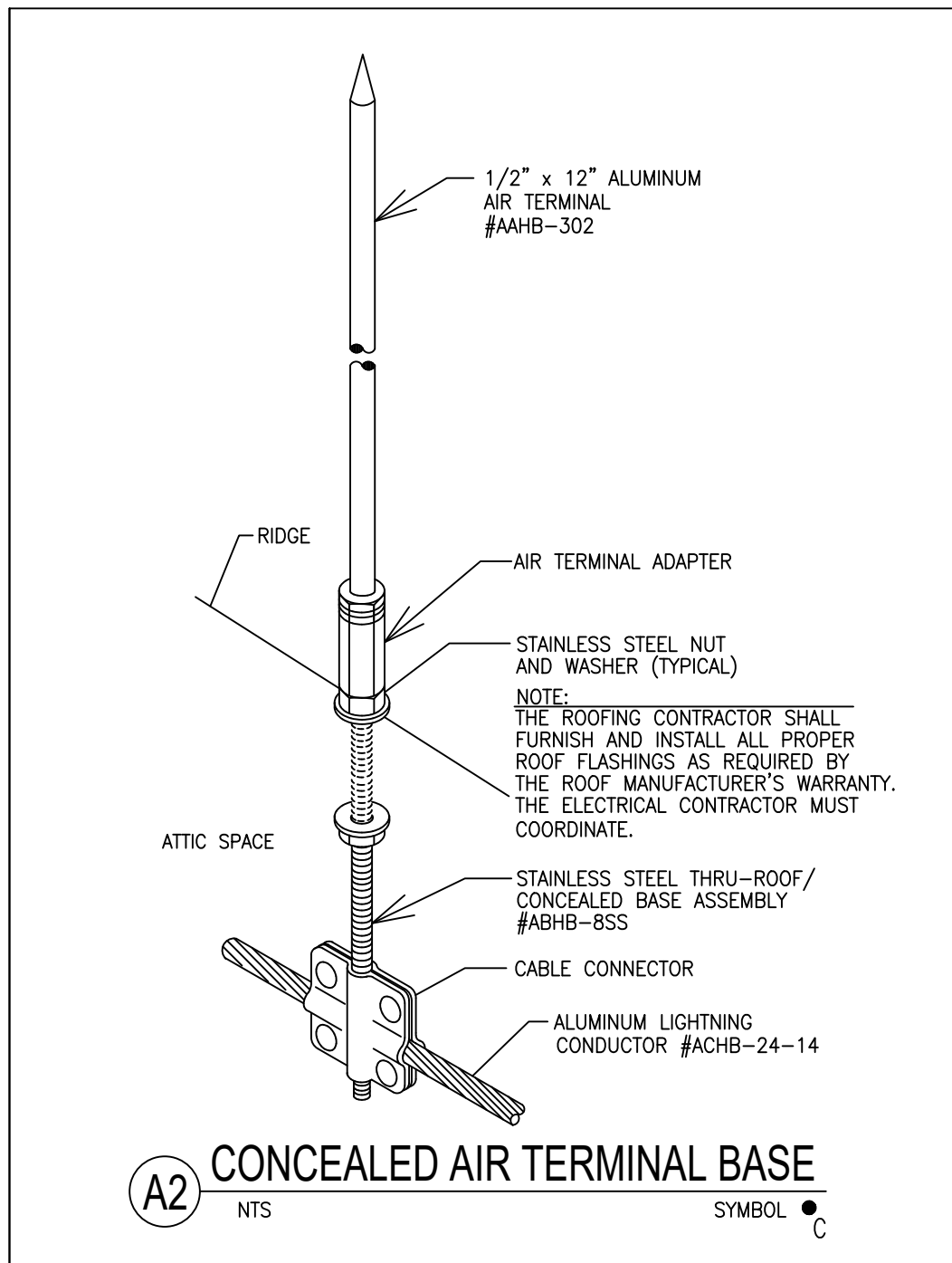
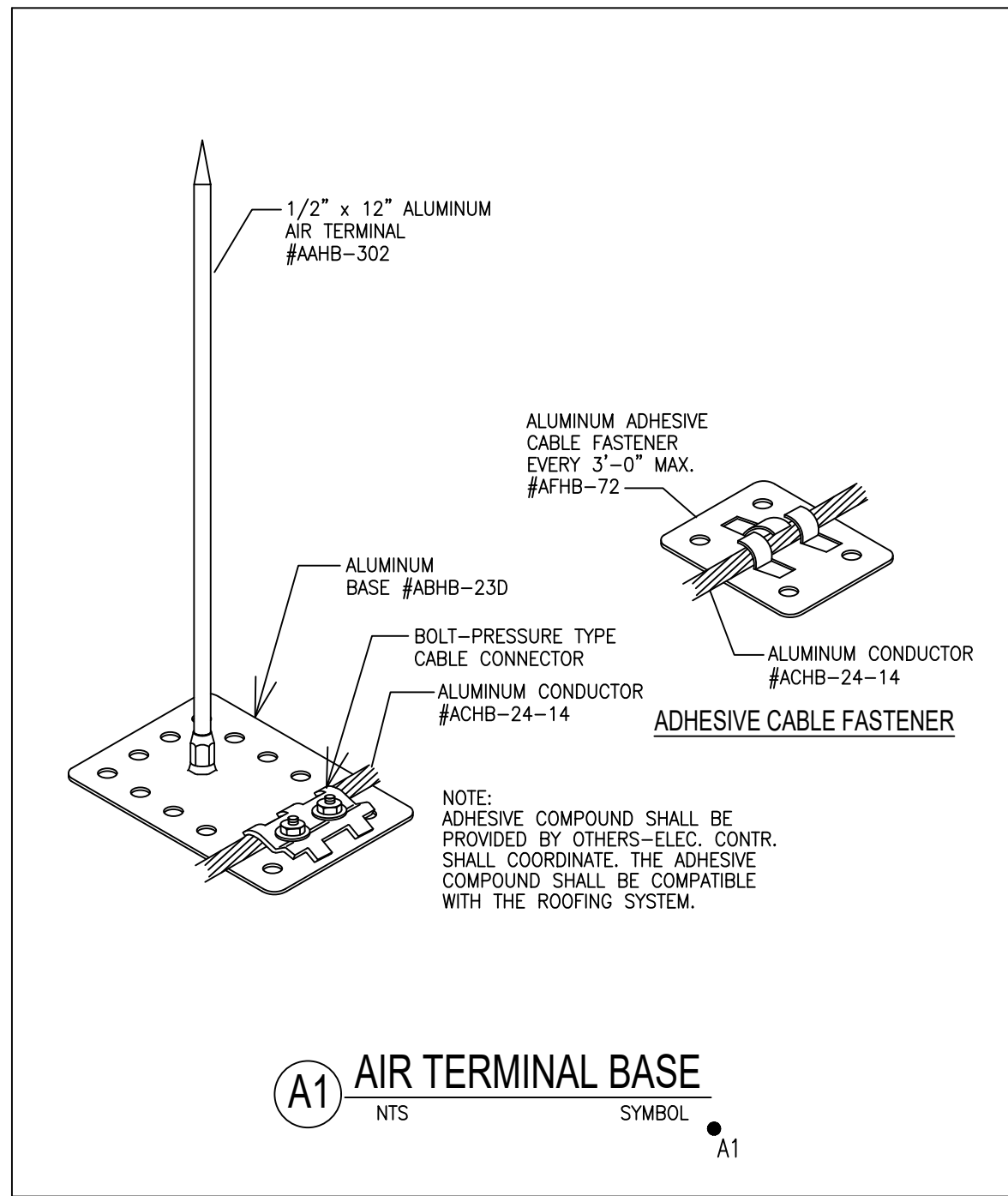
LIGHTNING PROTECTION
PLAN AND DETAILS

PROJECT No. 2501

CHECKED BY:

DRAWING:

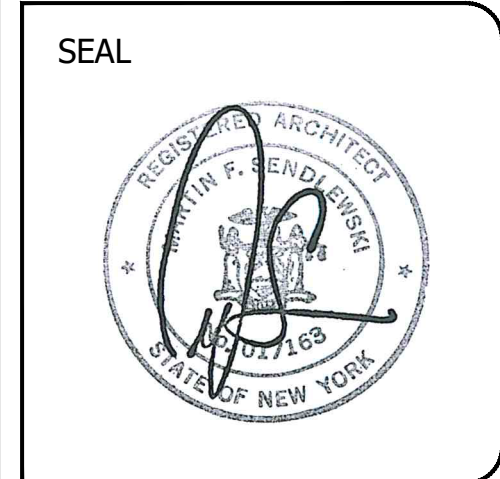
LP-1



- ### LIGHTNING PROTECTION NOTES
- ALL MATERIALS SHOWN ARE MANUFACTURED BY HEARY BROS. LIGHTNING PROTECTION CO., INC.
 - THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL96 & NFPA-780 LIGHTNING PROTECTION SYSTEM STANDARDS.
 - CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
 - NO BEND OF CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".
 - AIR TERMINALS SHALL BE SPACED EVERY 20'-0" MAXIMUM AROUND THE ROOF PERIMETER AND/OR ALONG ROOF RIDGES. AIR TERMINALS SHALL BE LOCATED WITHIN 2'-0" OF OUTSIDE CORNERS.
 - AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS.
 - ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS.
 - BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
 - ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED EVERY 3'-0" MAX.
 - METALLIC BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDED.
 - BOND TO ALL METAL BODIES OF CONDUCTANCE WITHIN 6'-0" OF THE MAIN LIGHTNING CONDUCTOR SUCH AS EXHAUST FANS, ROOF VENTS, METAL COOLING TOWERS, H.V.A.C. UNITS, LADDERS, RAILINGS, ANTENNAS, SKYLIGHTS, METAL STACKS AND ANY OTHERS LARGE METAL BODY WHOSE HEIGHT EXCEEDS THAT OF THE AIR TERMINAL IN USE, UNLESS PROTECTED BY HIGHER ROOF ELEVATIONS.
 - CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
 - BOND TO WATERLINES (DOMESTIC & FIRE).
 - A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH NFPA-70.
 - TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.).
 - UPON COMPLETION OF INSTALLATION UL MASTER LABEL SHALL BE ISSUED.

LIGHTNING PROTECTION MATERIALS LIST		
	ALUMINUM LIGHTNING PROTECTION MAIN CONDUCTOR	ACHB-24-14
	ALUMINUM LIGHTNING PROTECTION SECONDARY BONDING CABLE*	ACHB-#4
	COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	CCHB-29-17
	BIMETAL CONNECTOR	MNH-93
	CABLE FASTENERS (FASTEN CABLE EVERY 3FT. MAX.)	AFHB-72, 66, 64, CFHB-64
	1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE	AAHB-302, ABHB-23D
	1/2" x 12" ALUMINUM AIR TERMINAL AND CONCEALED BASE	AAHB-302, ABHB-8SS
	THRU-ROOF ROD	SNHB-95D
	SECONDARY BONDING:	
	*FLASHING CONNECTOR	ANH-44D
	*METAL ROOF DRAIN / GUTTER CONNECTOR	ANH-160D
	*METAL VENT PIPE CONNECTOR	ANH-42XD
	ALUMINUM BONDING PLATE (AT ALUM. RTU & FANS)	APHB-54D
	CORROSION RESISTANT COPPER BONDING PLATE (TO BASE OF STEEL AT EACH DOWNLEAD)	PPHB-54D
	PIPE CLAMP (ANTENNAS, RAILINGS, ETC.)	PMHB-103D
	CABLE CONNECTOR	ANH-44D, CNHB-44D
	STRAIGHT SPLICER	ARHB-26
	CROSSOVER CABLE CONNECTOR	CMHB-57XXX
	WATERLINE CONNECTOR (FIRE WATER & DOMESTIC WATER)	CMHB-97D
	5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR	CCHB-106GR, CCHB-57D

DATE
03-17-2025
ISSUED FOR GENERAL
CONSTRUCTION BID AS SINGLE
PRIME CONTRACT INCLUDING
ALL TRADES



SENDEWSKI ARCHITECTS, P.C.
ARCHITECTS - PLANNERS
215 ROMANO AVENUE
RIVERHEAD, NY 11901
MFS@FIREHOUSEPLANNER.COM
(631) 727-5352

PROPOSED NEW FACILITY
ELLENVILLE FIRE DISTRICT
203 S. MAIN ST. NYS ROUTE 209
ELLENVILLE, NY 12428

LIGHTNING PROTECTION
DETAILS

PROJECT No. 2501

CHECKED BY:

DRAWING:

LP-2