GENERAL ELECTRICAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING, INSTALLING AND CONNECTING ALL LINE AND LOW VOLTAGE CONDUIT, CONDUCTORS, SWITCHES, DISCONNECTS, JUNCTION BOXES, AND FIXTURES FOR POWER, TELECOMMUNICATIONS, AND LIGHTING SYSTEMS.
2. THE ELECTRICAL CONTRACTOR SHALL SUPPLY, RIG AND MOUNT THE ELECTRICAL GENERATORS, TRANSFER SWITCHES AND ASSOCIATED COMPONENTS.
3. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL CONDUIT, CONDUCTORS, AND ASSOCIATED ITEMS TO CONNECT THE GENERATORS TO THE BUILDING ELECTRICAL SYSTEM.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE GENERATOR START UP, TESTING, AND OWNER TRAINING PER THE CONSTRUCTION SPECIFICATIONS, AND SHALL ENSURE CORRECT FUNCTIONING OF THE INTERCONNECTION OF THE GENERATOR TO THE BUILDING ELECTRICAL SYSTEM.
5. PROVIDE A TYPEWRITTEN CIRCUIT DIRECTORY IN ALL NEW PANEL BOXES.
6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING AND SCHEDULING ALL ELECTRICAL INSPECTIONS, PAY ALL FEES, AND SUBMIT A FINAL INSPECTION REPORT TO THE ENGINEER.
7. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL GROUNDING IN ACCORDANCE WITH NEC ARTICLE 250 AND ACCORDING TO THE REQUIREMENTS INDICATED ON THE DRAWINGS. EQUIPMENT GROUNDING CONDUCTORS SHALL BE USED. GROUNDING THROUGH RACEWAY AND CONDUITS IS NOT PERMITTED.
8. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL GROUND CONDUCTORS TO BOND THE FIRE HOUSE GROUNDING SYSTEM TOGETHER.
9. THE LOCATIONS AND ROUTES OF CONDUITS AND RACEWAYS SHOWN ON THESE DRAWINGS ARE SCHEMATIC. ALL CONDUITS ABOVE THE SLAB SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING. CONDUITS ABOVE THE CEILING SHALL BE MOUNTED AS HIGH AS POSSIBLE. ALL BELOW GROUND CONDUITS SHALL BE INSTALLED USING THE MOST DIRECT ROUTE WITH CONSIDERATION OF PROPER COORDINATION WITH OTHER UTILITIES – UNDERGROUND OR ABOVE GROUND.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND CONDUCTORS FOR TELEPHONE AND LAN SYSTEMS. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN OR XHHW INSULATION UNLESS OTHERWISE NOTED. ALL CONDUCTORS SHALL BE SIZED PER NEC.
11. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LAMPS FOR ALL LIGHTING FIXTURES.
12. ALL DUPLEX RECEPTACLES SHALL BE MOUNTED VERTICALLY AND 18" NOMINALLY AFF TO BOTTOM OF BOX UNLESS OTHERWISE INDICATED.
13. FASTENING OF HANGERS TO THE ROOF WILL NOT BE PERMITTED. ANY CONTRACTOR RESPONSIBLE FOR PUNCTURING THE ROOF STRUCTURE WILL REPAIR THE ROOF AT THEIR EXPENSE.
14. ALL DISCONNECT SWITCHES AND SAFETY SWITCHES ARE TO BE HEAVY DUTY TYPE.
15. MC CABLE MAY BE USED FOR LIGHTS AND RECEPTACLES WHEN RUN IN A WALL CAVITY. THE MC CABLE SHALL NOT BE RUN SURFACE MOUNTED. WHEN LEAVING A WALL CAVITY, A BOX SHALL BE USED TO TRANSITION FROM MC CABLE TO CONDUIT AND CONDUCTORS. MC CABLE SHALL NOT BE ALLOWED TO LEAVE A PANEL BOX. ALL PANEL BOX ENTRIES SHALL BE MADE WITH CONDUIT AND CONDUCTORS.
16. "GREENFIELD" AND LIQUID TIGHT FLEX CONDUIT MAY BE USED IN LENGTHS NOT TO EXCEED 72".
17. THE ELECTRICAL CONTRACTOR SHALL CAULK ALL PENETRATIONS,RELATED TO ELECTRICAL WORK, IN 1 & 2 RATED HR FIRE WALL WITH 3M FIRE CAULK. SEAL LARGER OPENINGS WITH WIREMOLD "FLAMESTOPPER" KIT.
18. ALL EXTERIOR EXPOSED CONDUIT SHALL BE GRC.
19. ALL CONDUIT IN THE FIRE HOUSE SHALL BE EMT.
20. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT CONDUIT AND CONDUCTORS FOR THE HVAC EQUIPMENT. FOR THE TEMPERATURE CONTROLS THE ELECTRICAL CONTRACTOR SHALL FURNISH 120V CIRCUITS TO JUNCTION BOXES SHOWN ON THE DRAWINGS. THE HVAC CONTRACTOR SHALL INCLUDE TRANSFORMERS AT THESE LOCATIONS AND RUN THE LOW VOLTAGE CONDUIT AND CONDUCTORS TO THE TEMP CONTROL DEVICES AND EQUIPMENT. REVIEW HVAC AND PLUMBING DRAWINGS FOR EQUIPMENT LOCATIONS AND ELECTRICAL REQUIREMENTS. (2)
21. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ETHERNET CONDUIT AND CONDUCTORS.
22. ALL JUNCTION BOXES AND DISCONNECTS SHALL BE MOUNTED ABOVE THE FLOOD ELEVATION.
23. NO CONDUITS SHALL BE INSTALLED WITHIN THE UNCONDITIONED SPACE.

SYMBOLS

- NEW #% AWG GROUND GRID EXOTHERMIC CONNECTION TO BUILDING FOUNDATION REINFORCING BAR
- NEW #4/0 AWG MAIN GROUND GRID CONDUCTOR BELOW GRADE (BURY 30" BELOW GRADE THROUGHOUT)
- 3/4"x 10' COPPER CLAD GROUND ROD WITH EXOTHERMIC CONNECTION TO MAIN GROUND GRID CONDUCTOR
- GROUND GRID RISER CONDUCTOR THROUGH SLAB FOR CONNECTION TO COLUMN, EQUIPMENT, ETC.
- EXOTHERMIC CONNECTION BETWEEN GROUND GRID CONDUCTOR
- NEW PANEL
- GP–2 — HOMERUN GP = GENERAL PURPOSE PANEL 'GP' 2 = CIRCUIT No.
- CONDUIT DOWN
- CONDUIT UP
- FLEXIBLE CONDUIT CONNECTION
- SPECIAL USE RECEPTACLE REFER TO INFORMATION ON INDIVIDUAL DRAWINGS
- GF LPA1–2 — NEW RECEPTACLE GF = GROUND FAULT WP = WEATHERPROOF LPA1–2 = FEED FROM PANEL LPA1 CIRCUIT 2
- 42"AFF — EXISTING SINGLE RECEPTACLE 42" AFF = 42 INCHES ABOVE FINISHED FLOOR
- $A/4 — SWITCH – A = SWITCHING SCHEME 3 = 3 WAY 4 = 4 WAY M = MOTOR STARTER TYPE
- NEW TELEPHONE JACK
- NEW ETHERNET JACK
- EC — EQUIPMENT CONTROLLER
- WS — WATT STOPPER
- OC — OCCUPANCY SENSOR
- (2) TC — TEMP CONTROLLER CIRCUIT JBOX
- L.A. — LIGHTNING ARRESTOR
- 1600A / 1200A — DRAW–OUT TYPE SOLID STATE CIRCUIT BREAKER 1600A = FRAME SIZE 1200A = TRIP SENSOR LT = LONG TIME TRIP FUNCTION ST = SHORT TIME TRIP FUNCTION I = INSTANTANEOUS TRIP FUNCTION SST = SOLID STATE TRIP UNIT
- 400A / 300A — CIRCUIT BREAKER. 400A = FRAME SIZE 300A = TRIP RATING
- DRAW OUT TYPE CIRCUIT BREAKER
- 52 — DRAW–OUT TYPE POWER CIRCUIT BREAKER
- DELTA–WYE TRANSFORMER. SIZE AS INDICATED ON DRAWINGS.
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER
- SSS — SOLID STATE SOFT STARTER
- LOCAL START/LOCK STOP CONTROLLER
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESION
- FACP — FIRE ALARM CONTROL PANEL
- RADIO — RADIO TRANSCEIVER
- OMNI DIRECTIONAL ANTENNA/WITH MODULE
- SOUNDER STROBE
- TM — 60 MIN TIMER
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- DISCONNECT SWITCH
- DISCONNECT SWITCH
- X — MOTOR. SIZE AS INDICATED ON DRAWINGS. X = HORSEPOWER
- K — KEY INTERLOCK
- J — JUNCTION BOX. SIZE AS SHOWN ON DRAWINGS.
- 80E — FUSE 80E = RATING
- GENERATOR SIZE AS INDICATED ON DRAWINGS
- A LPM–9 / J — LIGHTING FIXTURE CONTROLLED BY SWITCHING SCHEME A AND FED FROM LIGHTING PANEL LPM CIRCUIT 9
- VFD — VARIABLE FREQUENCY DRIVE
- E — EMERGENCY STOP
- A/A — COMBINATION DISCONNECT SWITCH MOTOR STARTER A = STARTER SIZE
- M — METHANE SENSOR
- O — OXYGEN SENSOR
- STROBE LIGHT
- F — PULL STATION WITH KEY RESET
- S — SMOKE DETECTOR PHOTO ELECTRIC
- H X — HEAT DETECTOR X=135 FOR 135DEG RATE OF RISE AND X=190 FOR 190DEG RATE OF RISE
- ANSUL — SUPPRESSION SYSTEM SUPERVISION
- DR — DOOR HOLDER WALL MOUNT
- NMM — ADDRESSABLE MINI MODULE
- XS — EXPLOSION PROOF SMOKE DETECTOR
- XF — EXPLOSION PROOF PULL STATION WITH KEY RESET
- EXTERIOR STROBE LIGHT WITH HORN
- ANN — ANNUNCIATOR

BID PLANS

DATE: 8/17/2023
DRAWN BY: AFA
SCALE: AS SHOWN
REVIEWED BY: RF
PROJECT NO.: 21-2345
FILE:

HESNOR ENGINEERING ASSOCIATES — WWW.HESNOR.COM
KEYSTONE ASSOCIATES — WWW.KEYSTONE.COM
DELAWARE ENGINEERING, D.P.C. — CIVIL AND ENVIRONMENTAL ENGINEERING — WWW.DELAWAREENGINEERING.COM
STATE OF NEW YORK — ALEX F. AMROD — 092555 — LICENSED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION ADDENDUM#2
2	8/17/23	

PORT EWEN FIRE DEPARTMENT
ULSTER COUNTY, NY

ELECTRICAL NOTES

SHEET: E001

H:\Drawings\Port Ewen\PE_ONE_LINE ADD2.dwg

BID PLANS

CONDUIT SCHEDULE

CONDUIT NO.	CONDUIT SIZE	CABLE QTY.	CABLE SIZE	PURPOSE	FROM	VIA	TO	REMARKS
A1.1	2-4"	4EA	600KCM	POWER	UTILITY		MDS	
A1.2	2-4"	4EA	600KCM	POWER	MDS		ATS	
A1.3	1"	8	#12	POWER	UTILITY		METER	
A2.1	4"	4	500KCM	POWER	GENERATOR		ATS	
A2.2	1 1/2"	4	#6	POWER	GENERATOR		LP1	
A2.3	1"	12	#14	CONTROL	GENERATOR		ANNUCIATOR	
A2.4	2-4"	4EA	600KCM	POWER	ATS		MDP	
A2.5	3/4"	6	#14	CONTROL	ATS		ANNUNCIATOR	
A3.1	2"	4	#2	POWER	MDP		LP1	
A3.2	3"	4	4/0	POWER	MDP		LP2	
A3.3	3"	4	600KCM	POWER	MDP		LP3	
A3.4	4"	4	4/0	POWER	MDP		HP1	
A3.5	2"	4	#2	POWER	MDP		HP2	
A4.1	2"	1	FIBER/CBL	COMMUNICATION	PHONE/CABLE UTILITY		FIREWALL	
C1.1	3/4"	4	#12	POWER	HP1		CF-1	
C1.2	3/4"	1	CAT6	CONTROL	CF-1		CF-1 CTRL	
C2.1	3/4"	4	#12	POWER	HP1		CF-2	
C2.2	3/4"	1	CAT6	CONTROL	CF-2		CF-2 CTRL	
C3.1	3/4"	4	#12	POWER	HP1		CF-3	
C3.2	3/4"	1	CAT6	CONTROL	CF-3		CF-3 CTRL	
C4.1	3/4"	4	#12	POWER	HP1		CF-4	
C4.2	3/4"	1	CAT6	CONTROL	CF-4		CF-4 CTRL	
C5.1	3/4"	4	#12	POWER	HP1		CF-5	
C5.2	3/4"	1	CAT6	CONTROL	CF-5		CF-5 CTRL	
C6.1	3/4"	4	#12	POWER	HP1		CF-6	
C6.2	3/4"	1	CAT6	CONTROL	CF-6		CF-6 CTRL	
H1.1	3/4"	4	#12	POWER	HP1		VRF-1-1	
H1.2	3/4"	4	#12	POWER	HP1		VRF-1-2	
H1.3	3/4"	4	#12	POWER	HP1		VRF-1-3	
H1.4	3/4"	4	#12	POWER	HP1		VRF-1-4	
H1.5	3/4"	4	#12	POWER	HP1		VRF-2-1	
H1.6	3/4"	4	#12	POWER	HP1		VRF-2-2	
H1.7	3/4"	4	#12	POWER	HP1		VRF-2-3	
H1.8	3/4"	4	#12	POWER	HP1		VRF-2-4	
H1.9	3/4"	4	#12	POWER	HP1		HRV-1	
H2.1	3/4"	4	#12	POWER	HP1		EF-1-1	
H2.2	3/4"	4	#12	POWER	HP1		EF-1-2	
H2.3	3/4"	4	#12	POWER	HP1		EF-1-3	
H2.4	3/4"	4	#12	POWER	HP1		EF-1-4	
H2.5	3/4"	4	#12	POWER	HP1		EF-1-5	
H2.6	3/4"	4	#12	POWER	HP1		EF-1-6	
H2.7	3/4"	4	#12	POWER	HP1		EF-1-7	
H2.8	3/4"	4	#12	POWER	HP1		EF-2-1	
H2.9	3/4"	4	#12	POWER	HP1		KEF-1	
H3.1	3/4"	4	#12	POWER	HP1		HEATERS	U1.1,U1.2,U1.3,U1.4
H3.2	3/4"	4	#12	POWER	HP1		HEATERS	U1.5,C1.2,C1.4
H3.3	3/4"	4	#12	POWER	HP1		HEATERS	C1.1,C1.3
H3.4	3/4"	4	#12	POWER	HP1		HEATERS	U2.1
H4.1	1-1/2"	4	#2	POWER	LP3		CU-1	
H4.2	1-1/2"	4	#2	POWER	LP3		CU-2	
H4.3	1-1/2"	4	#2	POWER	LP3		CU-3	
H4.4	3/4"	4	#12	POWER	HP1		HRB-1-1	
H4.5	3/4"	4	#12	POWER	HP1		HRB-2-1	
H5.1	3/4"	3	#12	POWER	HP2		BLR-1	
H5.2	3/4"	3	#12	POWER	HP2		BLR-2	
H5.3	3/4"	4	#12	POWER	HP2	VFD	BP-1	
H5.4	3/4"	4	#12	POWER	HP2	VFD	BP-2	
H5.5	3/4"	4	#12	POWER	HP2		P-1	
H5.6	3/4"	4	#12	POWER	HP2	VFD	P-1A	
H5.7	3/4"	4	#12	POWER	HP2	VFD	P-2A	
H5.8	3/4"	4	#12	POWER	HP2	VFD	P-2B	
H6.1	3/4"	3	#12	POWER	HP2		P-L1	
H6.2	3/4"	3	#12	POWER	HP2		P-L2	
H6.3	3/4"	3	#12	POWER	HP2		P-L3	
H6.4	3/4"	3	#12	POWER	HP2		P-L4	
H6.5	3/4"	3	#12	POWER	HP2		P-L5	
H6.6	3/4"	3	#12	POWER	HP2		P-L6	

CONDUIT AND CABLE SCHEDULE

EA = EACH

CONDUIT NO.	CONDUIT SIZE	CABLE QTY.	CABLE SIZE	PURPOSE	FROM	VIA	TO	REMARKS
H7.1	3/4"	3	#12	POWER	HP2		LV-1	
H7.2	3/4"	3	#12	POWER	HP2		LV-2	
H7.3	3/4"	3	#12	POWER	HP2		LV-3	
H7.4	3/4"	3	#12	POWER	HP2		LV-4	
H7.5	3/4"	3	#12	POWER	HP2		LV-5	
H7.6	3/4"	3	#12	POWER	HP2		LV-6	
H7.7	3/4"	3	#12	POWER	HP2		LV-7	
H8.1	3/4"	4	#12	POWER	HP2		ERV-1	
H8.2	3/4"	4	#12	POWER	HP2		MUA-1	
H9.1	3/4"	3	#12	POWER	HP2		TEMP CONT JB	MULTIPLE LOCATIONS
E1.1	3/4"	4	#10	POWER	LP2		ELEVATOR CP	
E1.2	3/4"	3	#12	POWER	LP2		ELEVATOR CP	
E1.3	3/4"	4	#12	POWER	LP2		ELEVATOR SUMP PUMP	
O1.1	3/4"	4	#12	POWER	LP3		OHD-1	
O1.2	3/4"	8	#12	POWER	OHD-1		OHD-1 CONTROL STATION	
O2.1	3/4"	4	#12	POWER	LP3		OHD-2	
O2.2	3/4"	8	#12	POWER	OHD-2		OHD-2 CONTROL STATION	
O3.1	3/4"	4	#12	POWER	LP3		OHD-3	
O3.2	3/4"	8	#12	POWER	OHD-3		OHD-3 CONTROL STATION	
O4.1	3/4"	4	#12	POWER	LP3		OHD-4	
O4.2	3/4"	8	#12	POWER	OHD-4		OHD-4 CONTROL STATION	
O5.1	3/4"	4	#12	POWER	LP3		OHD-5	
O5.2	3/4"	8	#12	POWER	OHD-5		OHD-5 CONTROL STATION	
O6.1	3/4"	4	#12	POWER	LP3		OHD-6	
O6.2	3/4"	8	#12	POWER	OHD-6		OHD-6 CONTROL STATION	
O7.1	3/4"	4	#12	POWER	LP3		OHD-7	
O7.2	3/4"	8	#12	POWER	OHD-7		OHD-7 CONTROL STATION	
R1.1	3/4"	4	#12	POWER	LP3	STARTER	HR-1-EF	
R1.2	3/4"	3	#12	POWER	LP3	STARTER	HR-1	
R2.1	3/4"	4	#12	POWER	LP3	STARTER	HR-2-EF	
R2.2	3/4"	3	#12	POWER	LP3		HR-2	
R3.1	3/4"	4	#12	POWER	LP3	STARTER	HR-3-EF	
R3.2	3/4"	3	#12	POWER	LP3		HR-3	
R4.1	3/4"	4	#12	POWER	LP3	STARTER	HR-4-EF	
R4.2	3/4"	3	#12	POWER	LP3		HR-4	
R5.1	3/4"	4	#12	POWER	LP3	STARTER	HR-5-EF	
R5.2	3/4"	3	#12	POWER	LP3		HR-5	
R6.1	3/4"	4	#12	POWER	LP3	STARTER	HR-6-EF	
R6.2	3/4"	3	#12	POWER	LP3		HR-6	
K1.1	3/4"	4	#10	POWER	LP2		DISHWASHER	
K1.2	1"	5	#8	POWER	LP2		GRIDDLE	
K1.3	3/4"	4	#12	POWER	LP2		AIR FRYER	
K1.4	3/4"	4	#10	POWER	LP2		PIZZA OVEN	
K1.5	3/4"	4	#10	POWER	LP2		WARMER	
K1.6	3/4"	4	#10	POWER	LP2		REFRIGERATOR/FREEZER	
K1.7	3/4"	4	#10	POWER	LP2		STOVE	
K1.8	3/4"	4	#10	POWER	LP2		HOOD	
K1.9	3/4"	3	#12	POWER	LP2		HOOD CP	
K1.10	3/4"	4	#12	POWER	HOOD CP		KEF-1	
K1.11	3/4"	8	#14	POWER	HOOD CP		FIRE ALARM PANEL	
K1.12	3/4"	6	#14	POWER	HOOD CP		MUA	
P1.1	3/4"	4	#10	POWER	HP2		COMPRESSOR	
P1.2	3/4"	4	#10	POWER	HP2		GRINDER PUMP	
P1.3	3/4"	4	#10	POWER	HP2		WATER HEATER	

NOTES

1) ELECTRICAL CONTRACTOR SHALL FURNISH AND SUPPLY TEMPORARY POWER WHILE SHUTTING DOWN FOR ANY ELECTRICAL REMOVALS.
2) THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING PANELS. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND CONDUCTORS FROM THE LIGHTING PANELS TO ALL LOADS.

PORT EWEN FIRE DEPARTMENT
ULSTER COUNTY, NY

NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION
2	8/17/23	ADDENDUM#2

REVISIONS

DELAWARE ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING
WWW.DELAWAREENGINEERING.COM

KEYSTONE ASSOCIATES
ARCHITECTURAL ENGINEERING
WWW.KEYSTONE.COM

HESNOR
ENGINEERING ASSOCIATES
WWW.HESNOR.COM

STATE OF NEW YORK · LICENSED · ABLEN F. HESNOR · 098255 · PROFESSIONAL ENGINEER

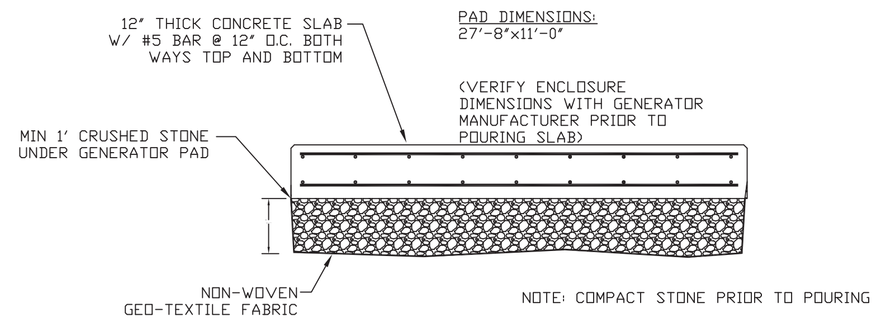
DATE: 8/17/2023
DRAWN BY: AFA
SCALE: AS SHOWN
REVIEWED BY: RF
PROJECT NO.: 21-2343
FILE:

SHEET: E010

H:\Drawings\Port Ewen\PE_ONE_LINE ADD2.dwg

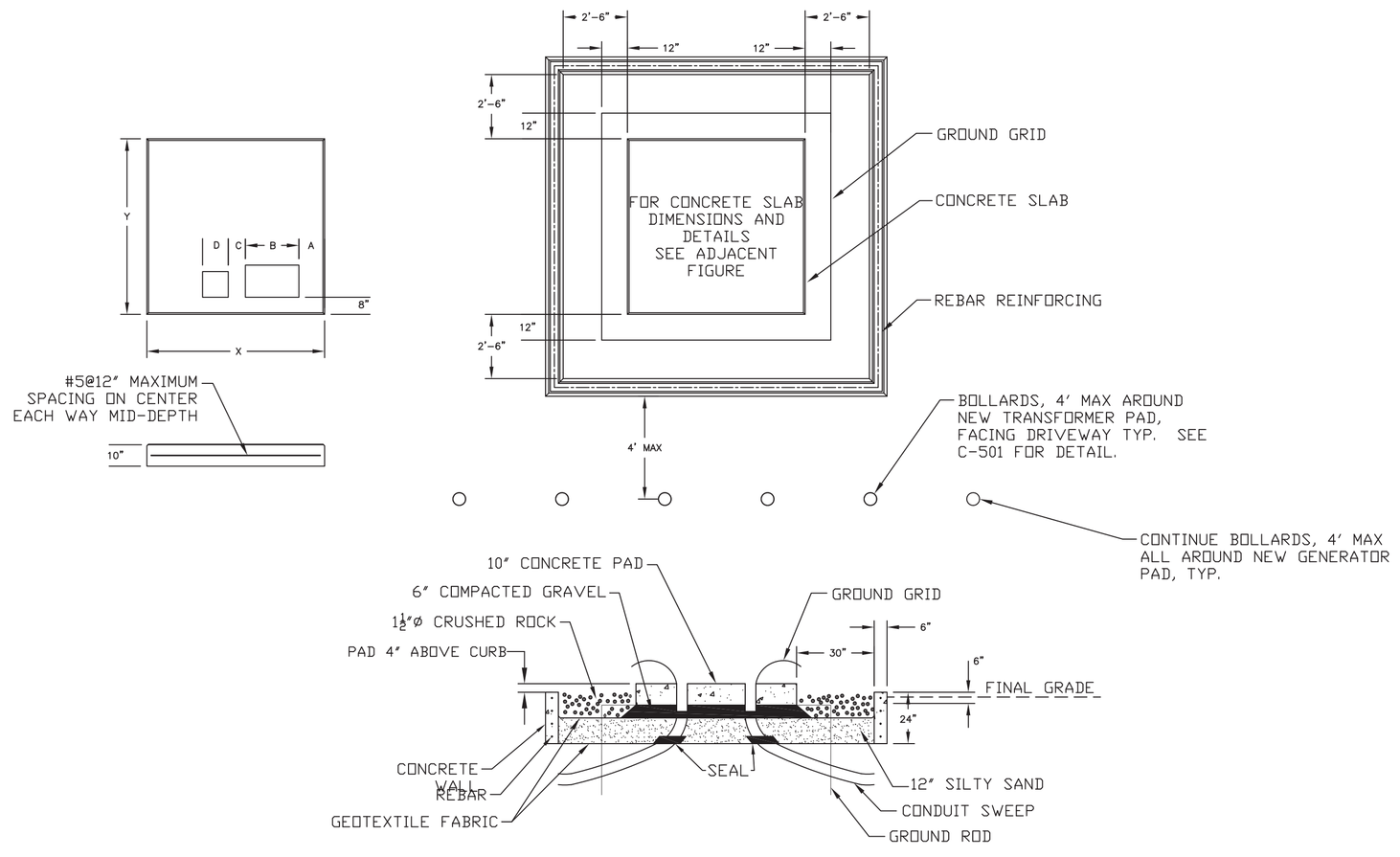
NOTES:

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A UFER GROUNDING GRID UNDER THE GENERATOR PAD. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TWO GROUNDING ELECTRODES AT THE MAIN DISCONNECT SWITCH. THE GROUNDING SHALL BE CONNECTED FROM THE MAIN SERVICE TO THE MAIN DISCONNECT SWITCH WITH 4/0 GROUNDING CONDUCTORS.



GENERATOR PAD DETAIL

SCALE: NTS



TYPICAL TRANSFORMER PAD

SCALE: NTS

3-PHASE PADMOUNTS	15 kV
DIMENSIONS	750-2500kVA
X	83"
Y	82"
A	12"
B	25"
C	8"
D	12"
E	15"
F	12"

TYPICAL TRANSFORMER CONCRETE PAD DIMENSIONS

SCALE: N.T.S.

DATE: 8/17/2023
DRAWN BY: AA
SCALE: AS SHOWN
REVIEWED BY: AA
PROJECT NO.: 21-2345
FILE:

HESNOR ENGINEERING ASSOCIATES
WWW.HESNOR.COM

KEYSTONE ASSOCIATES
WWW.KEYSTONE.COM

DELAWARE ENGINEERING, D.P.C.
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ALBERT F. AMBOS
STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER
092585

REVISIONS

NO.	DATE	DESCRIPTION
2	8/17/23	ADDENDUM#2

PORT EWEN FIRE DEPARTMENT
ULSTER COUNTY, NY

ELECTRICAL DETAILS

BID PLANS

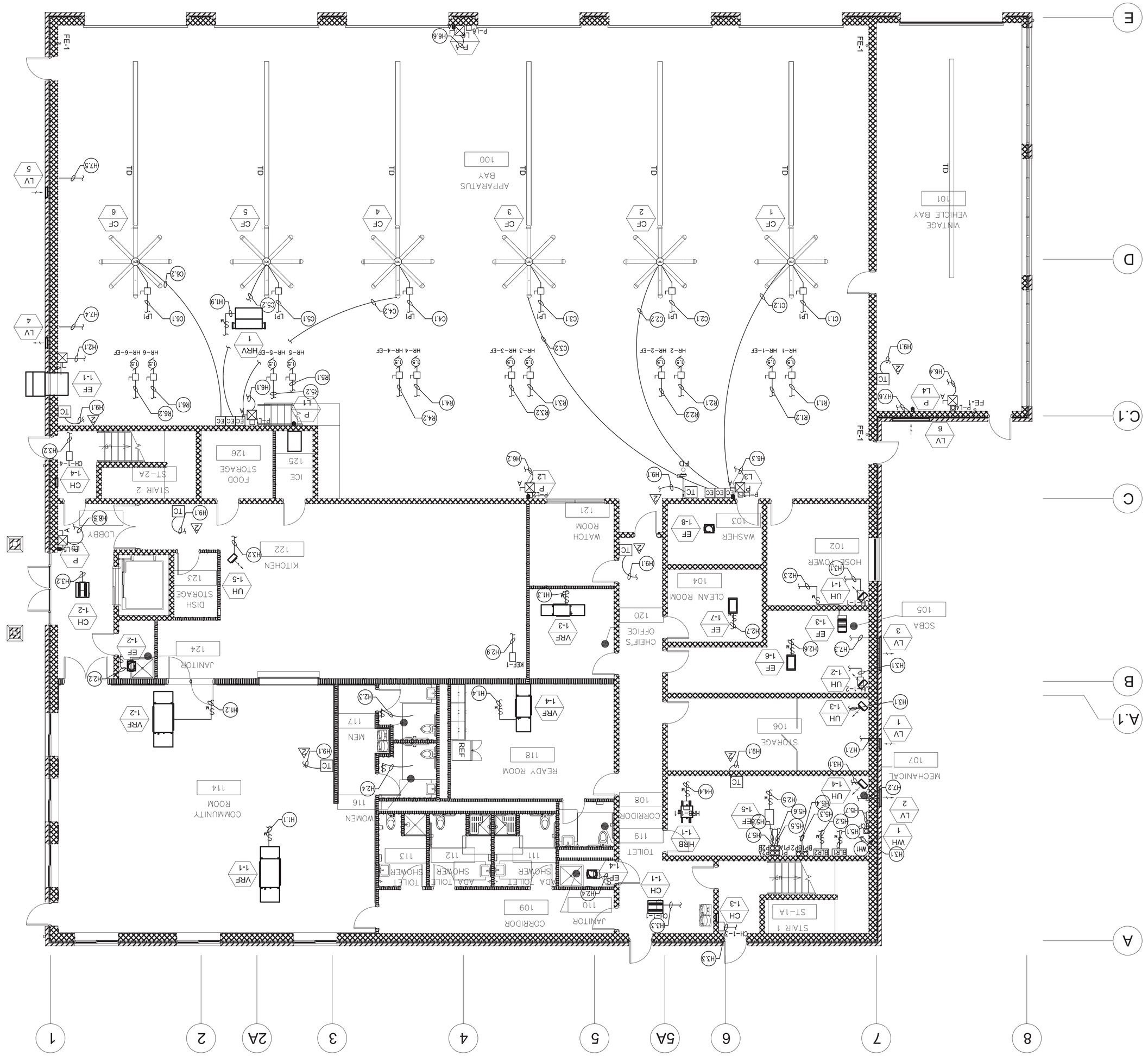
SHEET:
E-012

H:\Drawings\Port Ewen\PE_LIGHTING_DETAIL ADD 8.17.23.dwg

BID PLANS

FIRST FLOOR ELECTRICAL HVAC

SCALE: 1/8" = 1'



NOTES

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DISCONNECT FOR EACH VRF.
2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A RECEPTACLE AT EACH VRF FOR THE CONDENSATE PUMP. THIS SHALL INCLUDE A 120V CIRCUIT WITH 3#12 IN 3/4" CONDUIT.
3. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DISCONNECT FOR EACH ELECTRICAL HEATER.
4. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A SWITCH FOR USE AS A DISCONNECT AT EACH EXHAUST FAN.
5. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 1 RESCUE PHONE IN 2ND FLOOR ELEVATOR LOBBY RATH 2100-958NSR OR ENGINEER APPROVED EQUAL.

SHEET: E103

PORT EWEN FIRE DEPARTMENT
ULSTER COUNTY, NY

FIRST FLOOR HVAC ELECTRICAL PLAN

REVISIONS

NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION
2	8/17/23	ADDENDUM#2

DELAWARE ENGINEERING, D.P.C.
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SCALE: AS SHOWN
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PROJECT NO.: 21x243
FILE:
DATE: 8/17/2023

H:\Drawings\Port Ewen\PE_ELEC_HVAC ADD2 08.17.23.dwg

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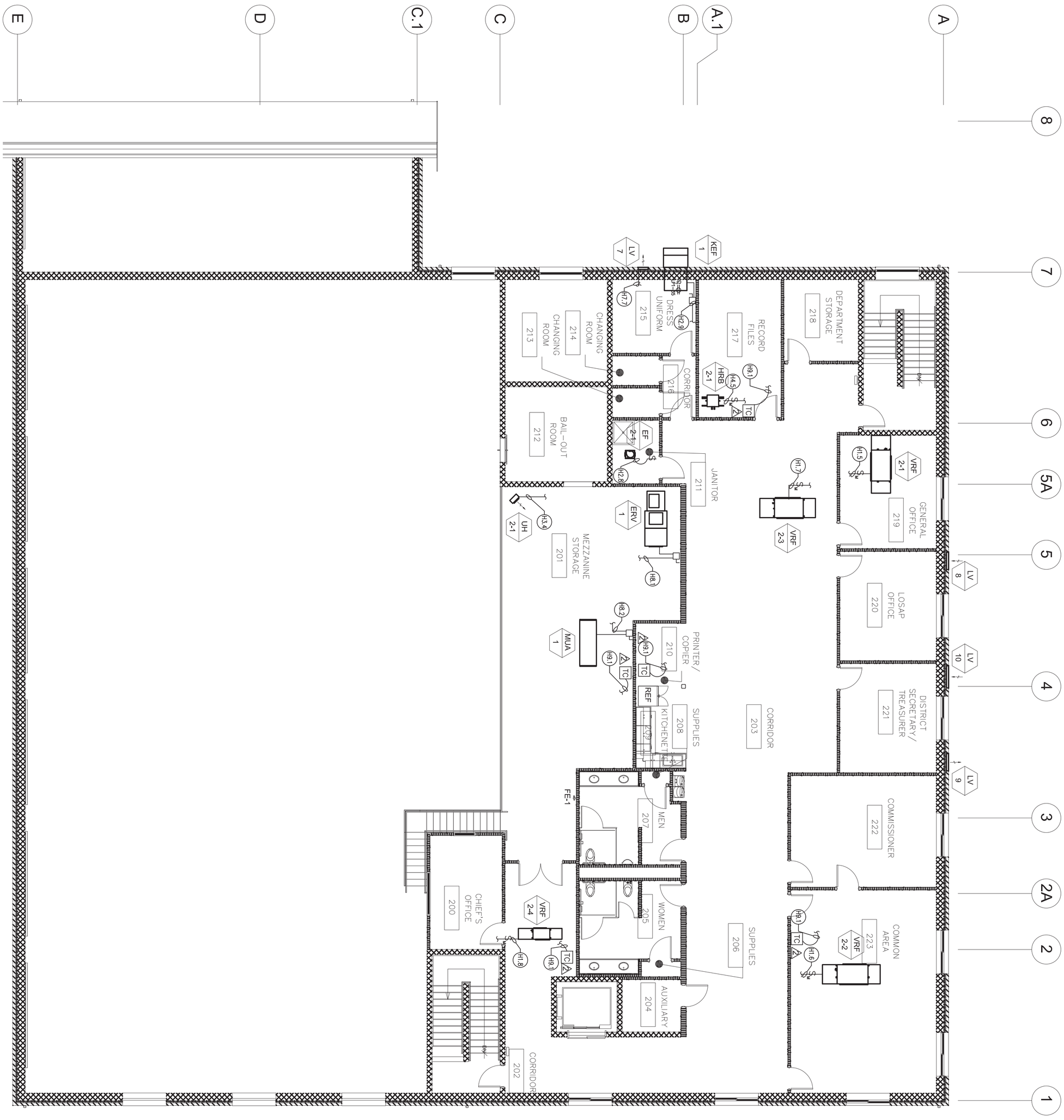

SECOND FLOOR ELECTRICAL HVAC

SCALE: 1/8" = 1'

BID PLANS

SHEET: E203

SECOND FLOOR
HVAC ELECTRICAL
PLAN

PORT EWEN FIRE
DEPARTMENT
ULSTER COUNTY, NY

REVISIONS

NO.	DATE	DESCRIPTION
1	6/16/23	CONSTRUCTION
2	8/17/23	ADDENDUM#2

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PROJECT NO.: 21-2343
FILE: