

SHEET NOTES

1. REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.
2. REFER TO SHEET E-611 FOR LUMINAIRE SCHEDULE.

POND3500 Parkway Lane
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Peachtree Corners
Georgia 30092

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CLIENT INFORMATION

CITY OF PORT
WENTWORTH

PROJECT NAME

PORT
WENTWORTH
FIRESTATION

DRAWING ISSUE

11/17/23
DATEADDENDUM 3
DESCRIPTION1
MARK

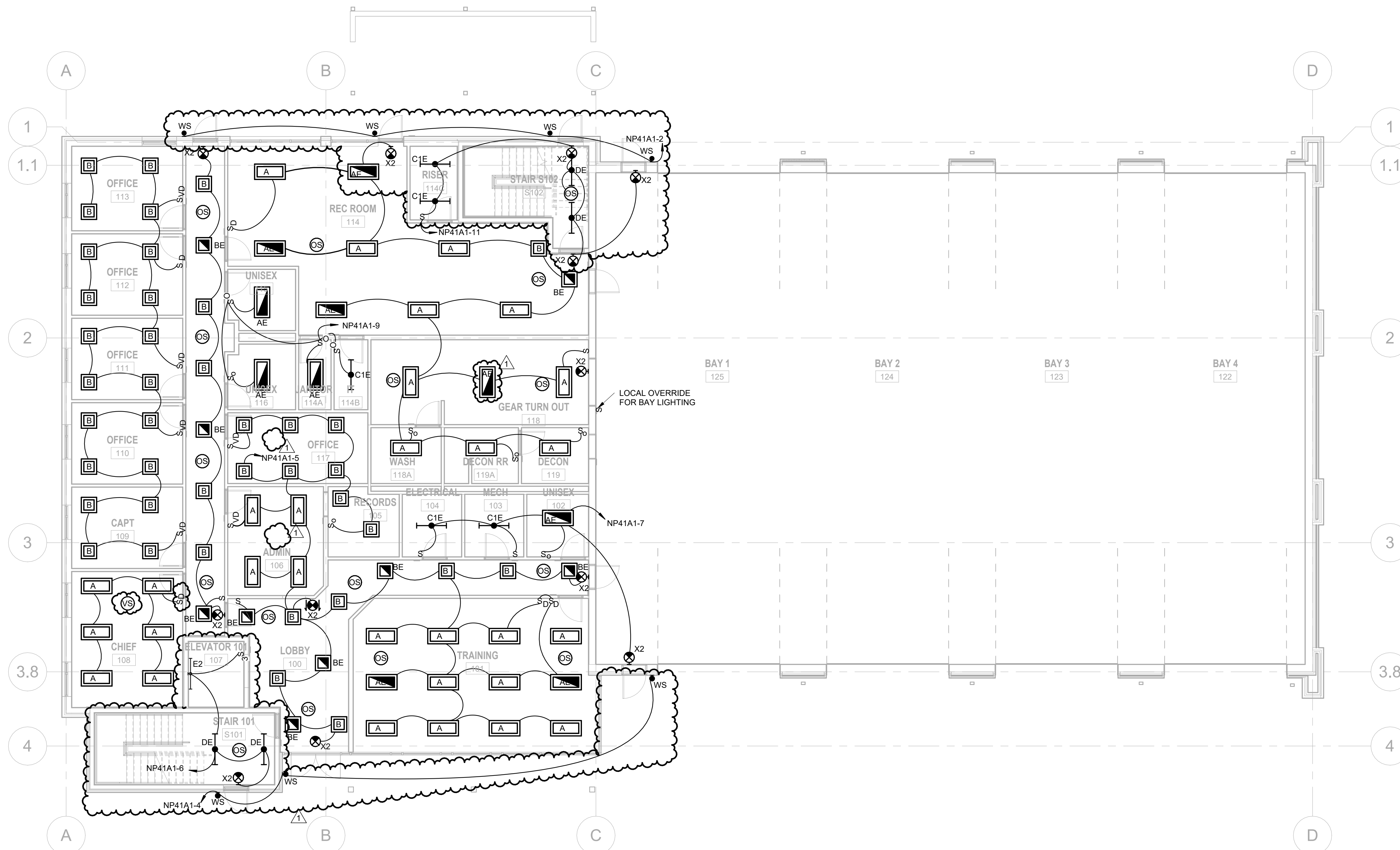
DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

LIGHTING PLAN
LEVEL 1

SHEET NUMBER

E-101

ORIGINAL SHEET SIZE:
22" X 34"**A1 LIGHTING PLAN LEVEL 1**

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

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

100% DESIGN SUBMITTAL

SHEET NOTES

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2. REFER TO SHEET E-611 FOR LUMINAIRE SCHEDULE.

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SHEET TITLE

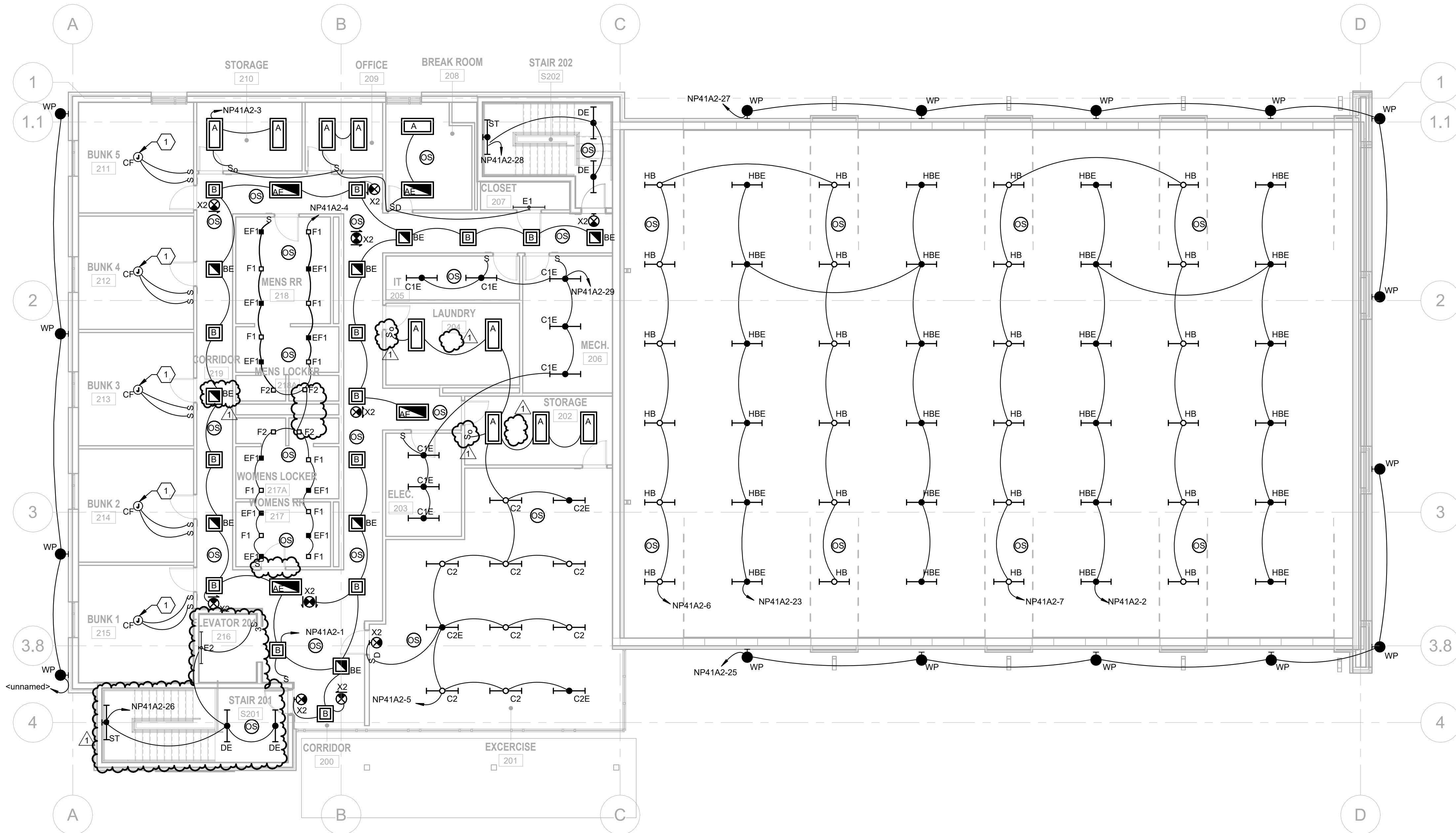
LIGHTING PLAN
LEVEL 2

SHEET NUMBER

E-102ORIGINAL SHEET SIZE:
22" X 34"

KEYNOTES

1. PROVIDE CEILING FAN WITH LIGHT KIT WITH SEPARATE SWITCHES FOR THE FAN AND LIGHTING. CONNECT TO ROOM POWER CIRCUIT. SEE SHEET E-112.
2. LOCATE TEST SWITCHES FOR EMERGENCY BATTERIES AT 48" AFF GROUP TEST SWITCHES TOGETHER. LOCATE SWITCHES NEAR AREA OVERRIDE SWITCHES.

**A1**

LIGHTING PLAN LEVEL 2

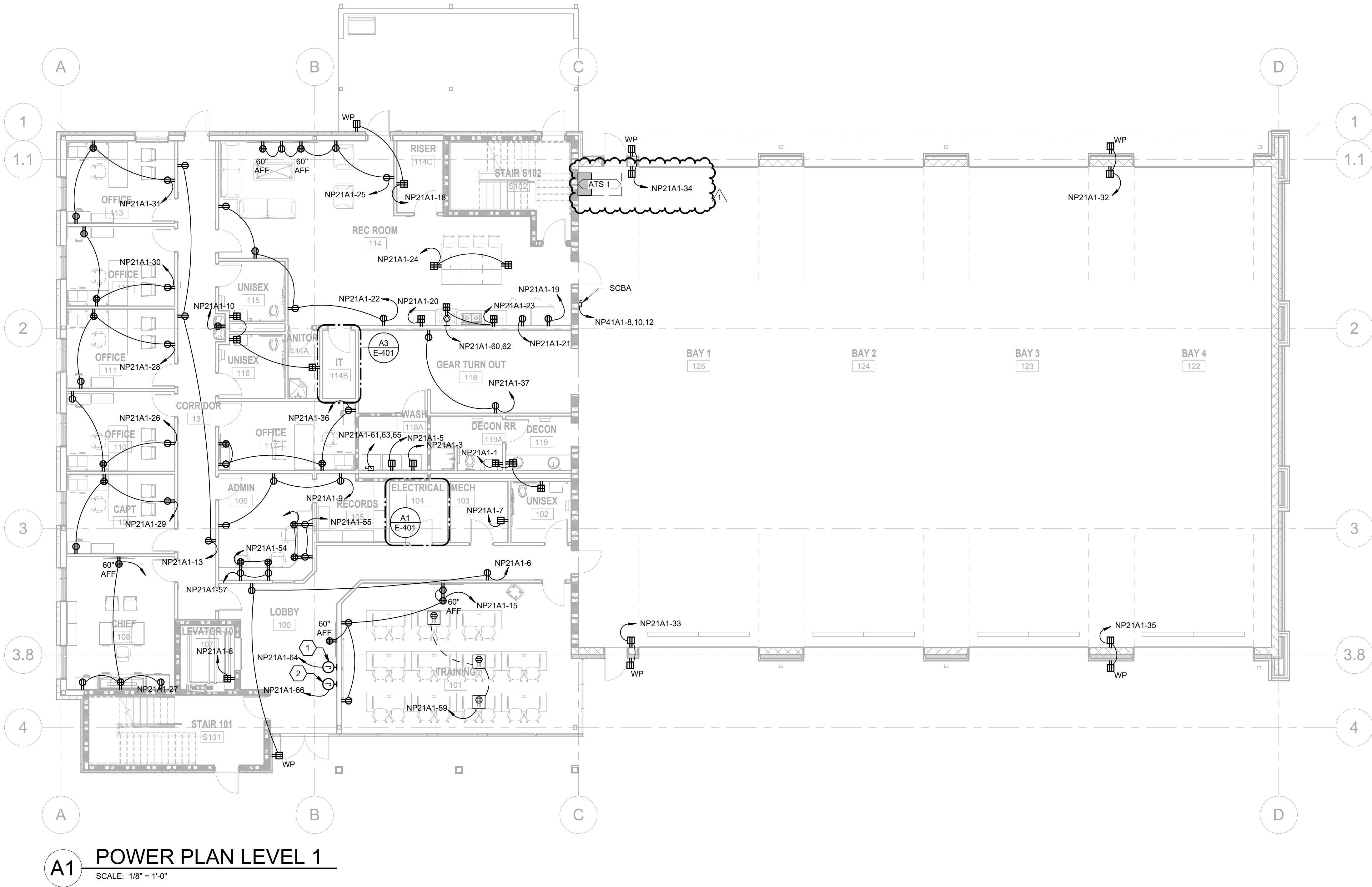
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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SHEET NOTES

1. REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.
2. REFER TO SHEET E-601 & E-602 FOR ELECTRICAL FEEDER SCHEDULE AND ONE-LINE DIAGRAM.
3. REFER TO SHEETS E-621, E-622, AND E-623 FOR PANEL SCHEDULES

KEYNOTES

1. CONNECT 120V TO FIRE ALARM PANEL. REFER TO SHEET FA101 FOR LOCATION.
2. COONECT 120V TO FIRE ALARM NOTIFICATION APPLIANCE BOOSTER. REFER TO SHEET FA101 FOR LOCATION.

0 4' 8' 16'
SCALE: 1/8" = 1'-0"



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DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

POWER PLAN
LEVEL 1

SHEET NUMBER

E-111

ORIGINAL SHEET SIZE:
22" X 34"

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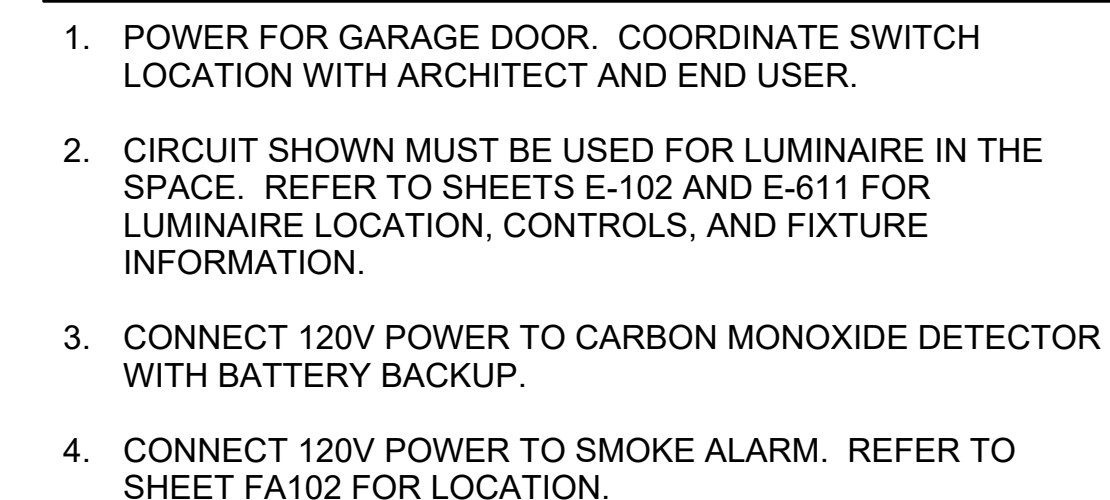
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POWER PLAN
LEVEL 2

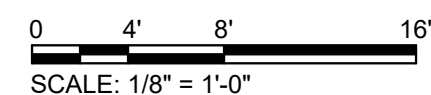
SHEET NUMBER

E-112

ORIGINAL SHEET SIZE:
22" X 34"



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



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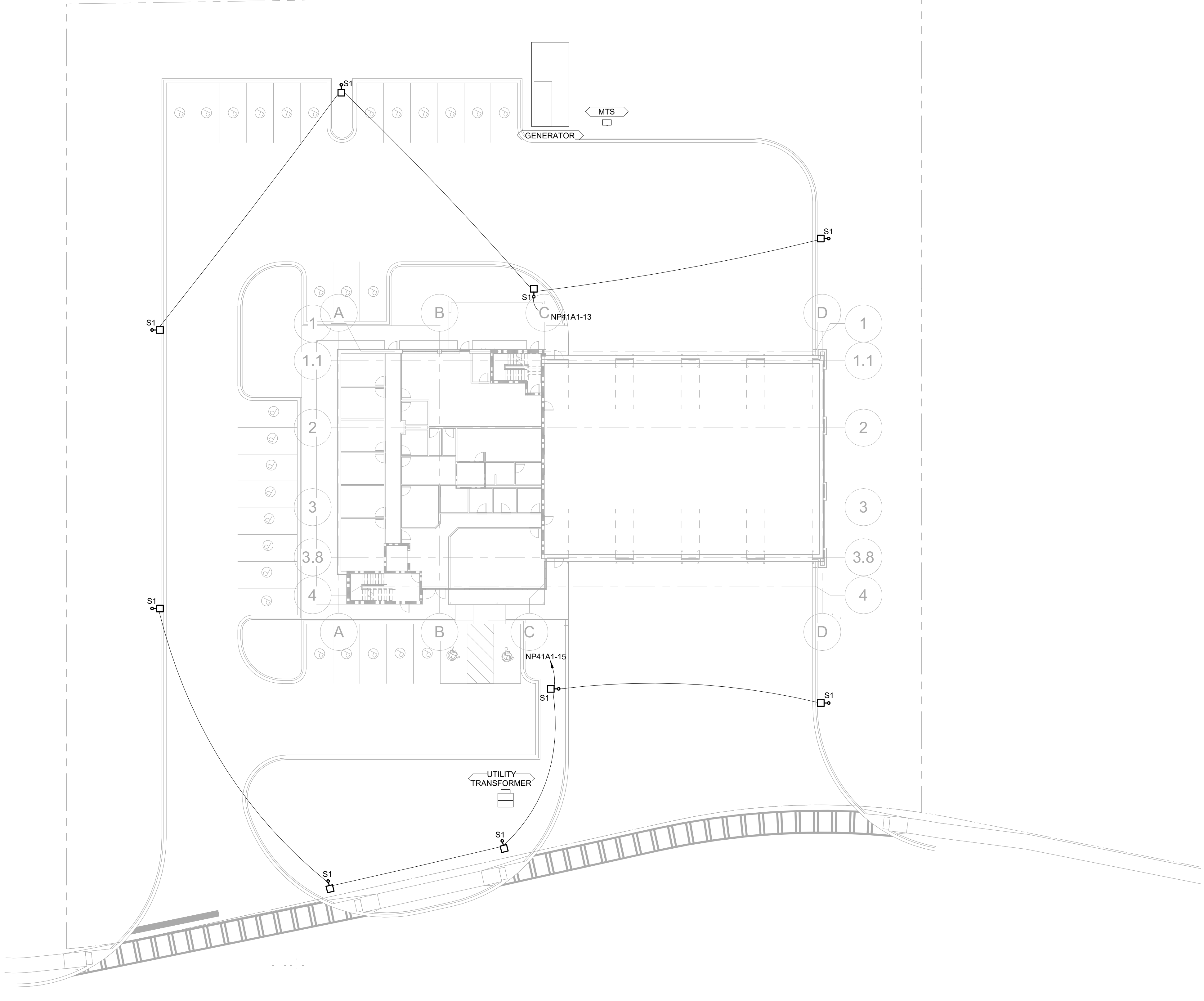
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SITE LUMINAIRE SCHEDULE

FIXTURE	DESCRIPTION	LAMP	LUMENS	CRI	CCT	VOLTAGE	WATTAGE	MOUNTING	MANUFACTURER (BASIS OF DESIGN)	NOTES
S1	LED SITE LUMINAIRE	LED	21,000	70	4000K	277 V	146 W	30'-0" POLE	LITHONIA LIGHTING ESX1 LED P4 40K R3 MVOLT UPA BLS DDBXD M2	



A1

ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

0 10' 20' 40'
SCALE: 1" = 20'-0"



SHEET NOTES

- REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.

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SHEET TITLE

ELECTRICAL SITE
PLAN

SHEET NUMBER

ES101

ORIGINAL SHEET SIZE:
22" X 34"

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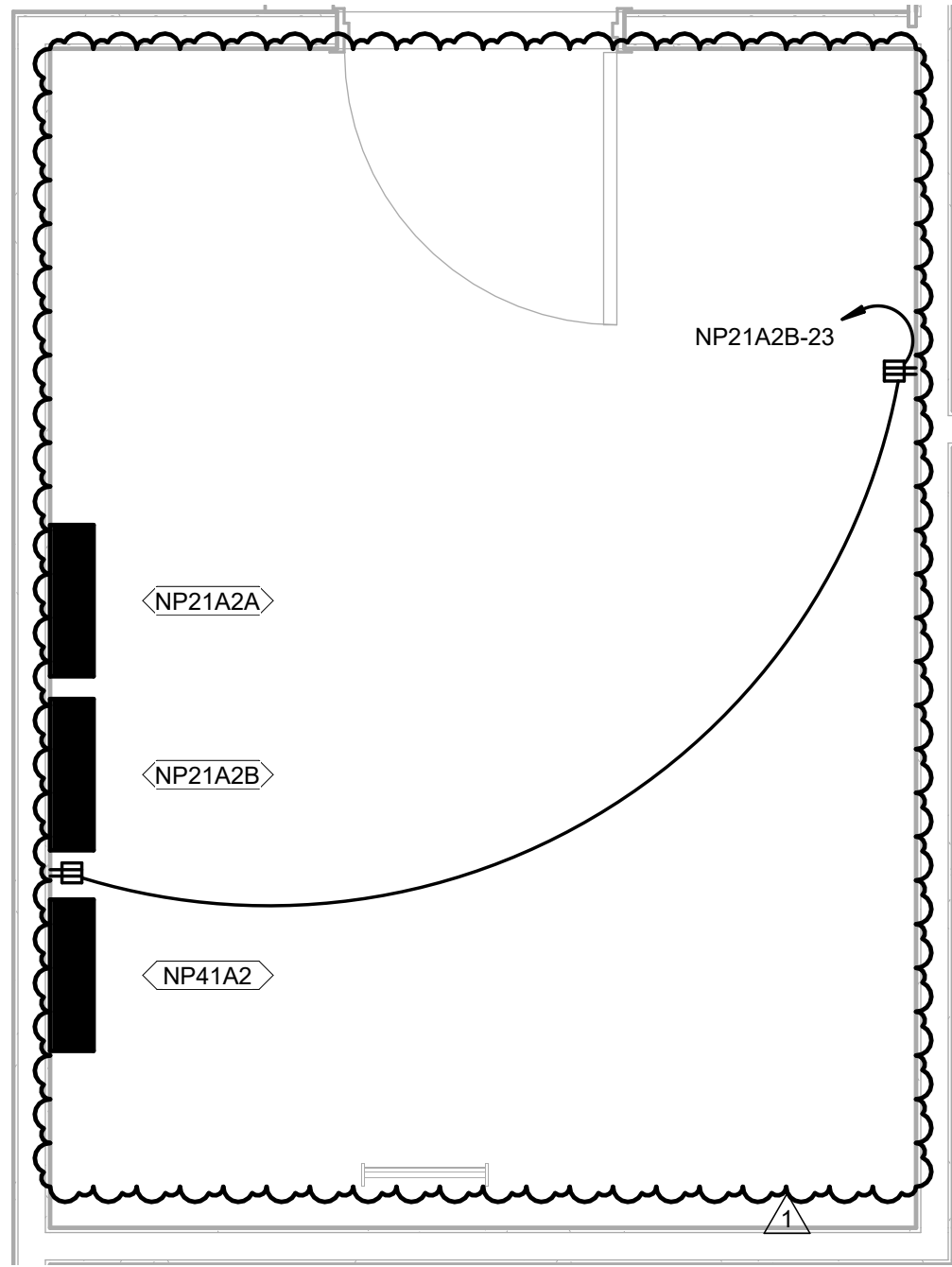
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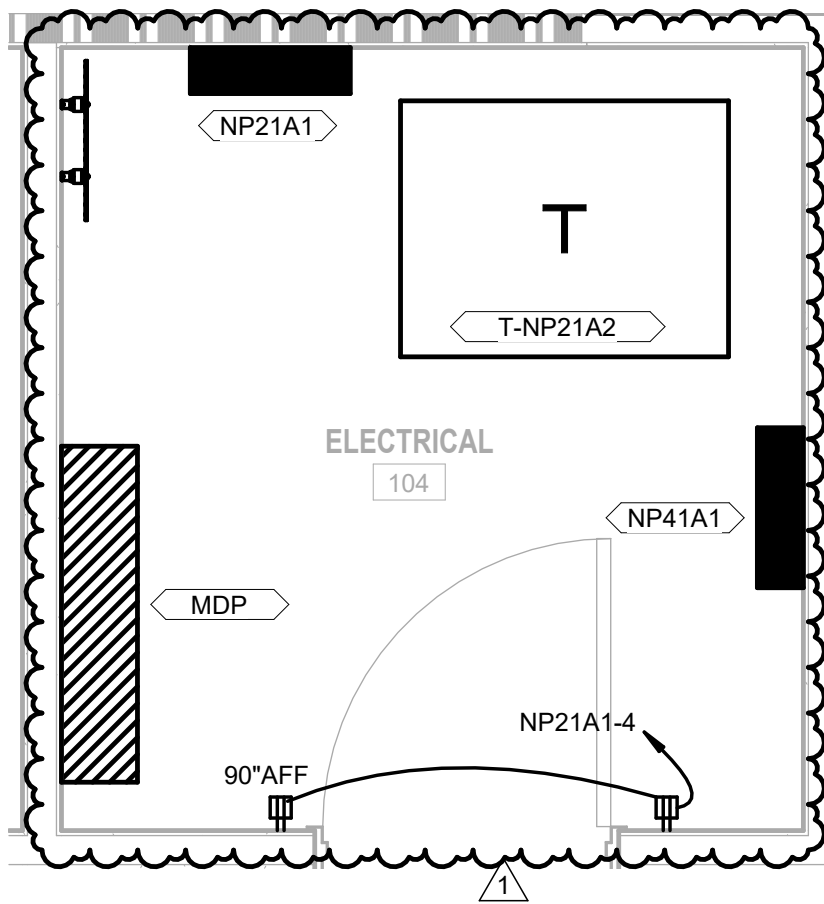
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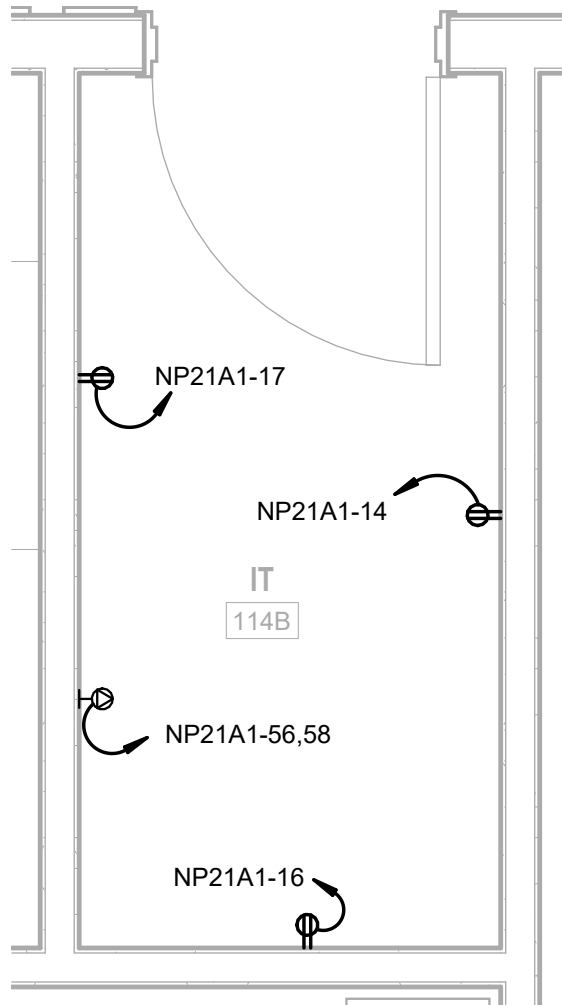
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C1 ENLARGED ELECTRICAL ROOM 203
SCALE: 1/2" = 1'-0"



A1 ENLARGED ELECTRICAL ROOM 104
SCALE: 1/2" = 1'-0"



A3 ENLARGED IT ROOM 114B
SCALE: 1/2" = 1'-0"

SHEET NOTES

1. REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.
2. REFER TO SHEETS E-601 & E-602 FOR ELECTRICAL FEEDER SCHEDULE AND ELECTRICAL ONE-LINE DIAGRAM.



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DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

ENLARGED
ELECTRICAL
POWER PLANS

SHEET NUMBER

E-401

ORIGINAL SHEET SIZE:
22" X 34"

0 1' 2' 4'
SCALE: 1/2" = 1'-0"



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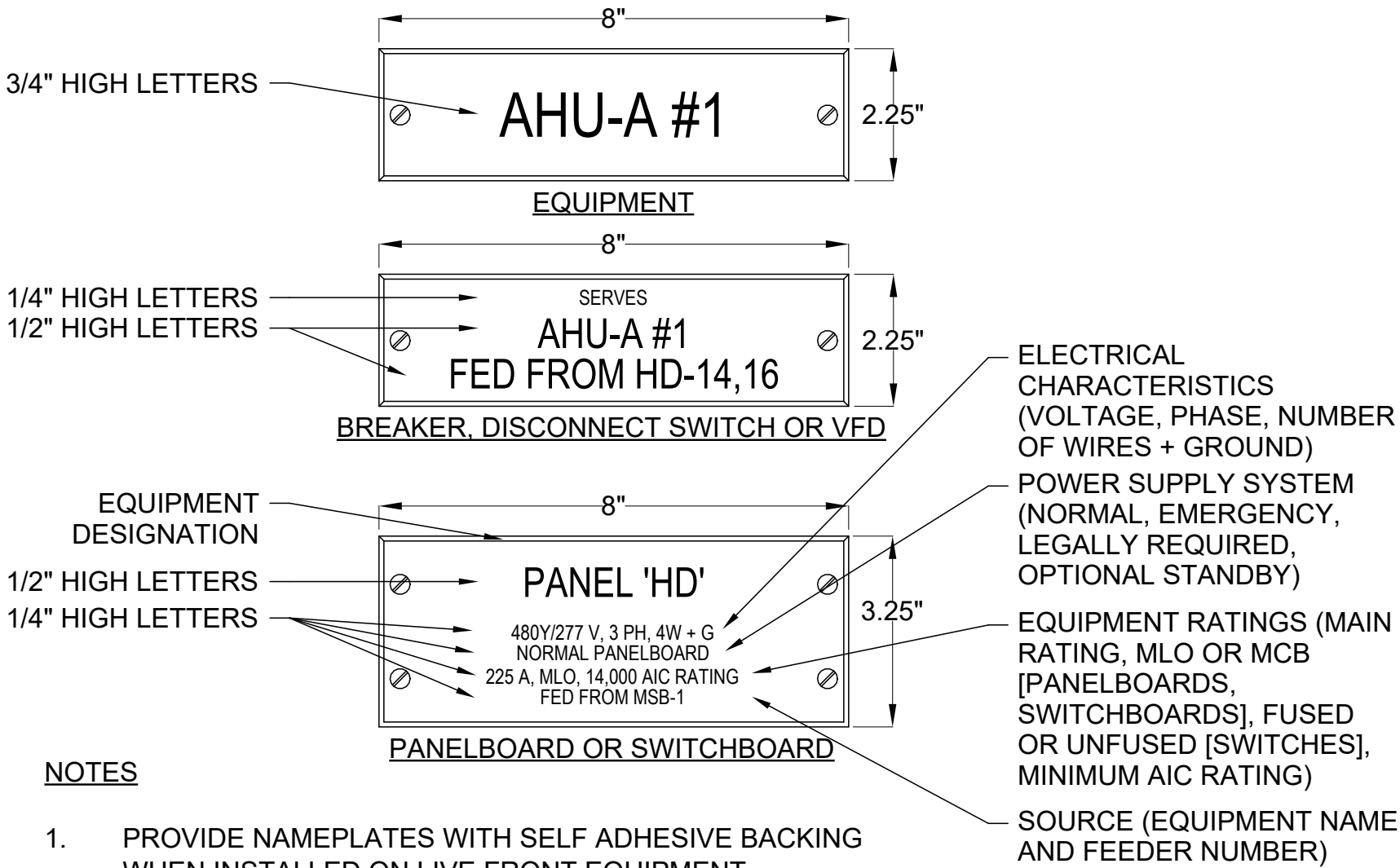
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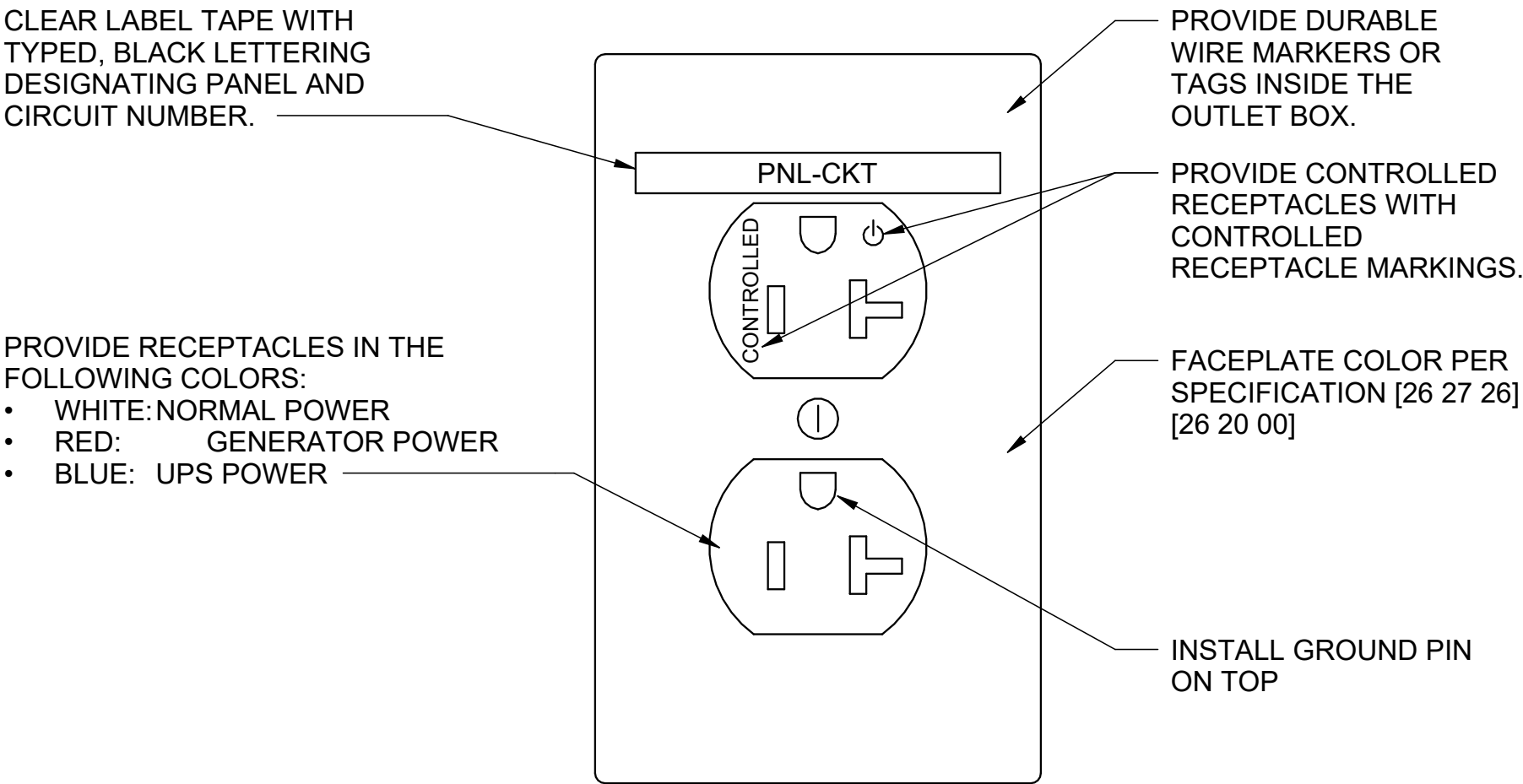
SHEET NOTES

- REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.



NOTES

- PROVIDE NAMEPLATES WITH SELF ADHESIVE BACKING WHEN INSTALLED ON LIVE FRONT EQUIPMENT. NAMEPLATES FOR DEAD FRONT EQUIPMENT MUST BE PERMANENTLY INSTALLED ON EQUIPMENT WITH STAINLESS STEEL SCREWS - ADHESIVE LABELS MUST NOT BE USED. BLACK MUST BE USED FOR NORMAL POWER SYSTEMS. NAMEPLATE CORE MUST BE WHITE OR OTHER CONTRASTING COLOR.
-
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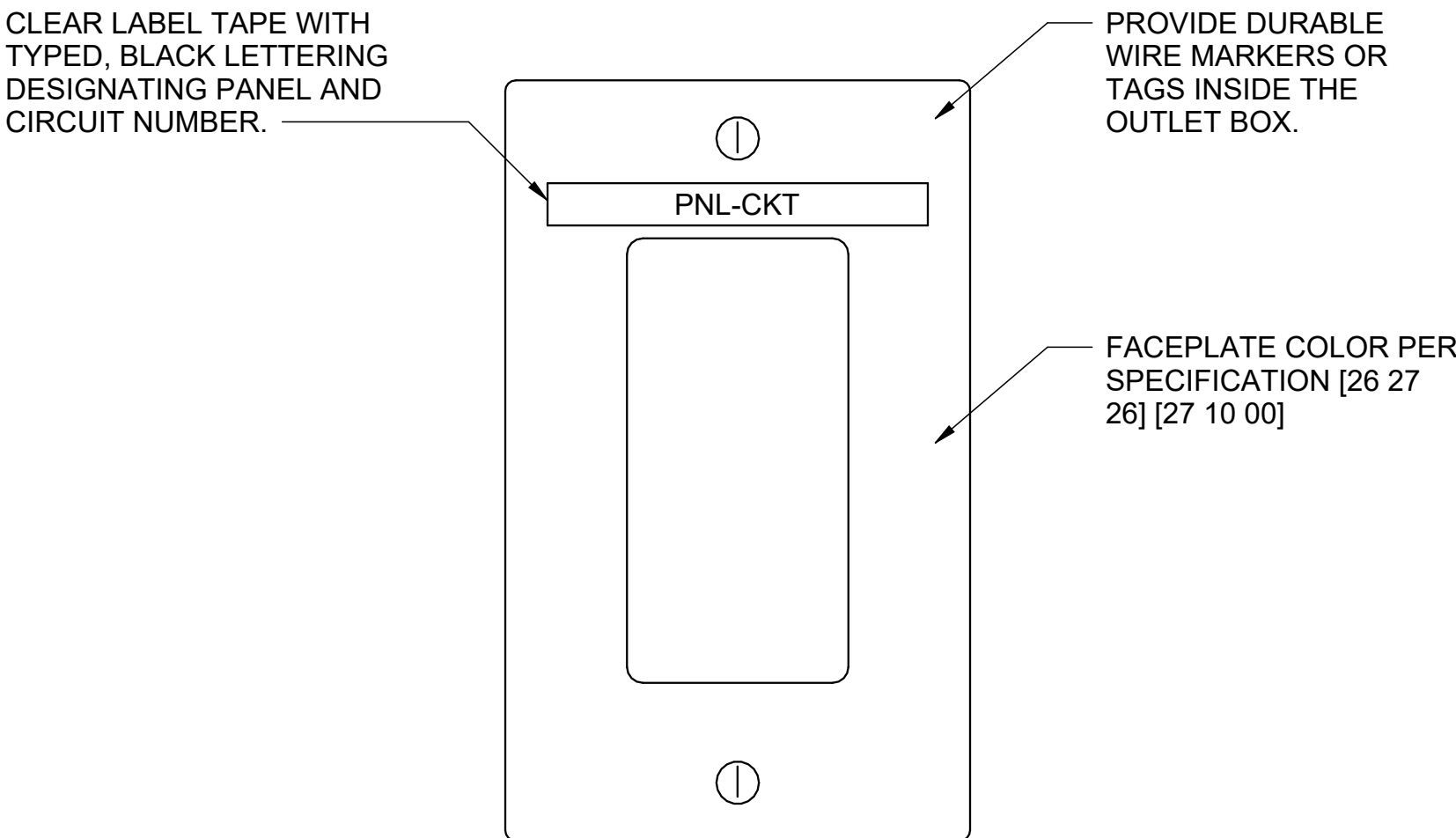


NOTES:

- RECEPTACLES MARKED AS CONTROLLED SHALL BE SPLIT YOKE WITH THE CONTROLLED RECEPTACLE INSTALLED ABOVE THE NON-CONTROLLED RECEPTACLE.

C1 RECEPTACLE DETAIL (TYP)

SCALE: N.T.S.

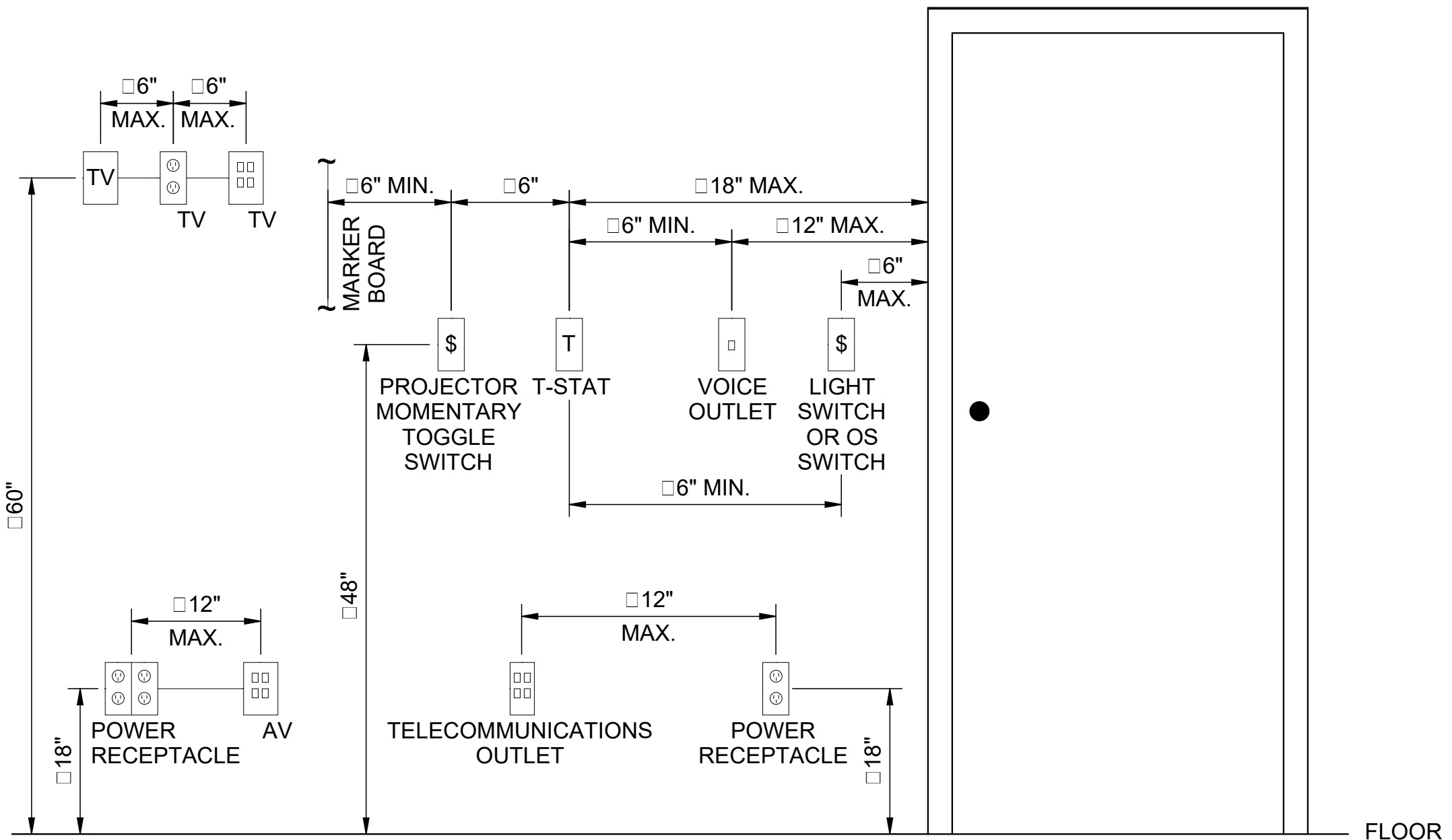


C3 LIGHT SWITCH DETAIL (TYP)

SCALE: N.T.S.

C4 EQUIPMENT LABEL (TYP)

N.T.S.



A1 MOUNTING HEIGHT DETAIL

SCALE: N.T.S.

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SHEET TITLE

ELECTRICAL
DETAILS

SHEET NUMBER

E-501

ORIGINAL SHEET SIZE:
22" X 34"

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SHEET NOTES

1. REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.

TRANSFORMER FEEDER SCHEDULE						
FEEDER TAG	PRIMARY FEEDER	FEEDER TAG	SECONDARY FEEDER	FEEDER TAG	SECONDARY FEEDER (DOUBLE TAP)	GROUNDING ELECTRODE CONDUCTOR
T15P	3#10 & 1#10G, 1/2"C.	T15S	4#6 & 1#8G, 1"C.	T15S2	N.A.	#8G
T30P	3#6 & 1#10G, 3/4"C.	T30S	4#1 & 1#6G, 1-1/2"C.	T30S2	N.A.	#6G
T45P	3#4 & 1#8G, 1"C.	T45S	4#2/0 & 1#4G, 2"C.	T45S2	N.A.	#4G
T75P	3#1 & 1#6G, 1-1/2"C.	T75S	4-250 KCMIL & 1#2G, 3"C.	T75S2	4-1/0 & 1#2G, 2"C.	#2G
T112.5P	3-2/0 & 1#6G, 2"C.	T112.5S	TWO 2-INCH CONDUITS, EACH WITH FOUR 3/0 AND ONE 1/0G	T112.5S2	4-3/0 & 1-1/0G, 2-1/2"C.	1/0G
T150P	3-4/0 & 1#4G, 2"C.	T150S	TWO 3-INCH CONDUITS, EACH WITH FOUR 250 KCMIL AND ONE 1/0G	T150S2	4-250 KCMIL & 1-1/0G, 3"C.	1/0G
T225P	3-500 KCMIL & 1#2G, 3"C.	T225S	THREE 3-INCH CONDUITS, EACH WITH FOUR 300 KCMIL AND ONE 2/0G	T225S2	TWO 2-INCH CONDUIT, EACH WITH FOUR 3/0 AND ONE 2/0G,	2/0G
T300P	TWO 3-INCH CONDUITS, EACH WITH THREE 250 KCMIL AND ONE #2G	T300S	THREE 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 3/0G	T300S2	TWO 3-INCH CONDUITS, EACH WITH FOUR 250 KCMIL AND ONE 3/0G	3/0G
T500P	TWO 3-INCH CONDUITS, EACH WITH THREE 500 KCMIL AND ONE 1/0G	T500S	SIX 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 3/0G	T500S2	THREE 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 3/0G	3/0G

- NOTE:
1. ALL PRIMARY AND SECONDARY CONDUCTORS FOR DRY-TYPE TRANSFORMERS SHALL BE COPPER.

TELECOMMUNICATIONS
BONDING BACKBONE (TBB)
SCHEDULE
(CONDUCTOR SIZE VS LENGTH)

TBB LINEAR LENGTH (FT)	TBB SIZE (AWG)
LESS THAN 13	6
14 - 20	4
21 - 26	3
27 - 33	2
34 - 41	1
42 - 52	1/0
53 - 66	2/0
67 - 84	3/0
85 - 105	4/0
106 - 125	250 KCMIL
126 - 150	300 KCMIL
151 - 175	350 KCMIL
176 - 250	500 KCMIL
251 - 300	600 KCMIL
GREATER THAN 301	750 KCMIL

- NOTES:
1. THE BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) SHALL BE, AS MINIMUM, THE SAME SIZE AS THE LARGEST TBB.

2. THE BCT AND TBB SHALL BE GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR.

FEEDER SCHEDULE

FEEDER TAG	COPPER FEEDER	FEEDER TAG	ALUMINUM FEEDER
20CU	4#12 & 1#12G, 3/4"C.	20AL	N.A.
25CU	4#10 & 1#10G, 3/4"C.	25AL	N.A.
30CU	4#10 & 1#10G, 3/4"C.	30AL	N.A.
35CU	4#8 & 1#10G, 1"C.	35AL	N.A.
40CU	4#8 & 1#10G, 1"C.	40AL	N.A.
45CU	4#6 & 1#10G, 1"C.	45AL	N.A.
50CU	4#6 & 1#10G, 1"C.	50AL	N.A.
60CU	4#4 & 1#10G, 1-1/2"C.	60AL	4#2 & 1#6G, 1-1/2"C.
70CU	4#4 & 1#8G, 1-1/2"C.	70AL	4#2 & 1#6G, 1-1/2"C.
80CU	4#2 & 1#8G, 1-1/2"C.	80AL	4#1 & 1#6G, 1-1/2"C.
90CU	4#2 & 1#8G, 1-1/2"C.	90AL	4#1/0 & 1#6G, 1-1/2"C.
100CU	4#1 & 1#8G, 2"C.	100AL	4#1/0 & 1#6G, 1-1/2"C.
110CU	4#1 & 1#6G, 2"C.	110AL	4#1/0 & 1#4G, 2"C.
125CU	4#1/0 & 1#6G, 2"C.	125AL	4#2/0 & 1#4G, 2"C.
150CU	4#1/0 & 1#6G, 2"C.	150AL	4#3/0 & 1#4G, 2"C.
175CU	4#2/0 & 1#6G, 2"C.	175AL	4#4/0 & 1#4G, 2"C.
200CU	4#3/0 & 1#6G, 3"C.	200AL	4-250 KCMIL & 1#4G, 3"C.
225CU	4#4/0 & 1#4G, 3"C.	225AL	4-300 KCMIL & 1#2G, 3"C.
250CU	4-250 KCMIL & 1#4G, 3"C.	250AL	4-350 KCMIL & 1#2G, 3"C.
300CU	4-350 KCMIL & 1#4G, 3"C.	300AL	4-500 KCMIL & 1#2G, 3"C.
350CU	4-500 KCMIL & 1#2G, 4"C.	350AL	4-750 KCMIL & 1#1G, 4"C.
400CU	4-500 KCMIL & 1#2G, 4"C.	400AL	4-750 KCMIL & 1#1G, 4"C.
450CU	TWO 3-INCH CONDUITS, EACH WITH FOUR 4/0 AND ONE #2G	450AL	TWO 3-INCH CONDUITS, EACH WITH FOUR 300 KCMIL AND ONE 1/0G
500CU	TWO 3-INCH CONDUITS, EACH WITH FOUR 250 KCMIL AND ONE #2G	500AL	TWO 3-INCH CONDUITS, EACH WITH FOUR 350 KCMIL AND ONE 1/0G
600CU	TWO 3-INCH CONDUITS, EACH WITH FOUR 350 KCMIL AND ONE #1G	600AL	TWO 3-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 2/0G
700CU	TWO 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 1/0G	700AL	TWO 4-INCH CONDUITS, EACH WITH FOUR 750 KCMIL AND ONE 3/0G
800CU	TWO 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 1/0G	800AL	TWO 4-INCH CONDUITS, EACH WITH FOUR 750 KCMIL AND ONE 3/0G
1000CU	THREE 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 2/0G	1000AL	THREE 4-INCH CONDUITS, EACH WITH FOUR 750 KCMIL AND ONE 4/0G
1200CU	FOUR 3-INCH CONDUITS, EACH WITH FOUR 350 KCMIL AND ONE 3/0G	1200AL	FOUR 3-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 250 KCMIL G
1600CU	FIVE 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 4/0G	1600AL	FIVE 4-INCH CONDUITS, EACH WITH FOUR 750 KCMIL AND ONE 350KCMIL G
2000CU	SIX 4-INCH CONDUITS, EACH WITH FOUR 500 KCMIL AND ONE 250KCMIL G	2000AL	SIX 4-CONDUITS, EACH WITH FOUR 750 KCMIL AND ONE 500 KCMIL G
MTR1 SE	4#4 & 1#8G, 1-1/2"C.	MTR1 SE	N.A.
	TWO 3-INCH CONDUITS, EACH WITH FOUR 350 KCMIL		(SIZE IS JOB SPECIFIC)

- NOTES:
1. FEEDER TAGS WITH A * * * IN THE TAG HAVE BEEN INCREASED IN SIZE TO ACCOUNT FOR VOLTAGE DROP.

2. COORDINATE PANEL LUG SIZE AND QUANTITIES WITH THE SPECIFIED CONDUCTOR SIZES AND NUMBER OF PARALLEL RUNS AS APPLICABLE. LUG SIZES AND QUANTITIES MUST ACCOUNT FOR CONDUCTORS THAT WERE INCREASED IN SIZE AND/OR PARALLEL RUNS ADDED TO ACCOUNT FOR VOLTAGE DROP.

3. ALUMINUM CONDUCTORS ARE NOT PERMITTED TO BE USED FOR MECHANICAL EQUIPMENT OR ANY OTHER EQUIPMENT REQUIRING FLEXIBLE CONNECTIONS.



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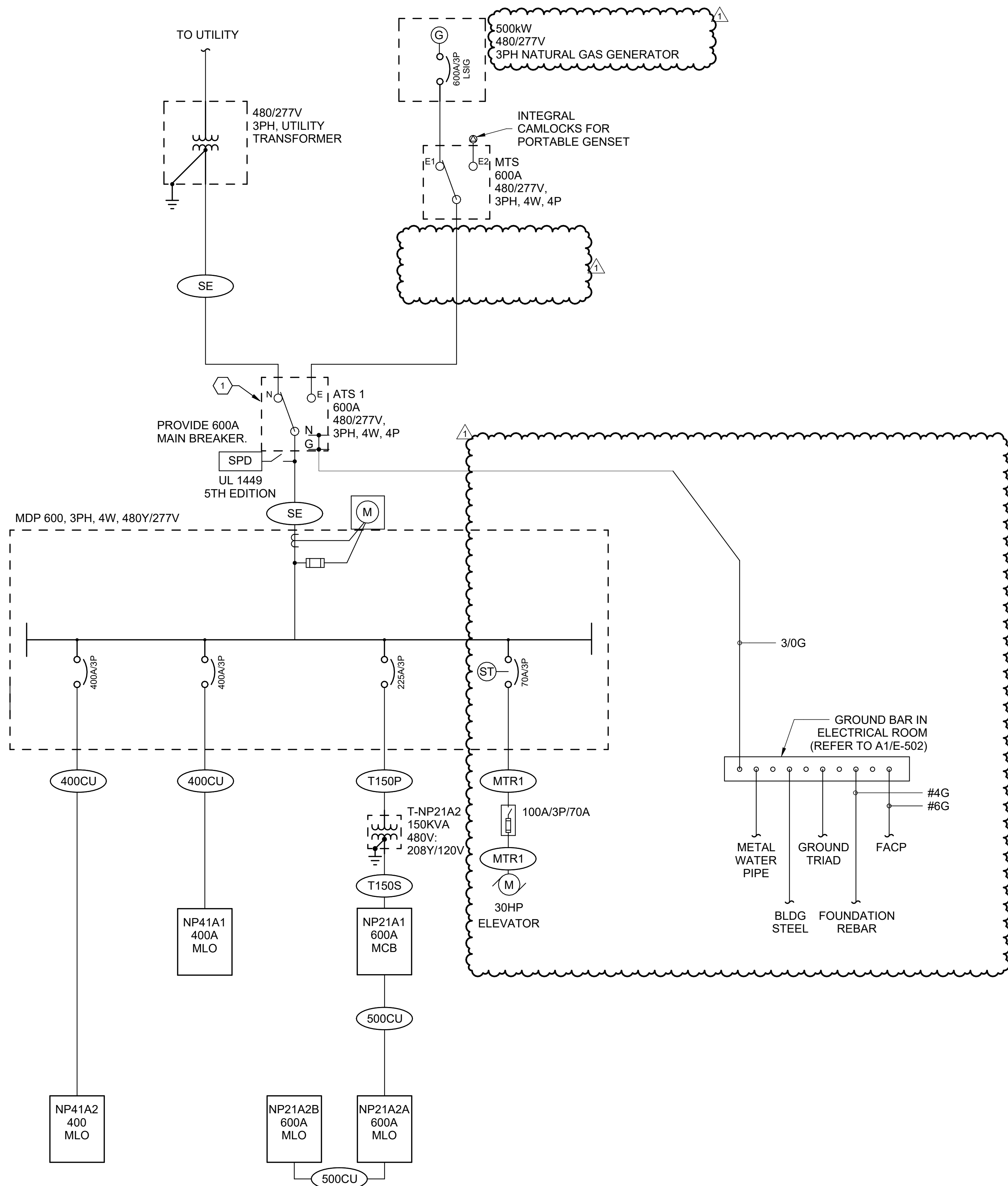
SHEET TITLE

ELECTRICAL
FEEDER
SCHEDULES

SHEET NUMBER

E-601

ORIGINAL SHEET SIZE:
22" X 34"



SHEET NOTES

1. REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.
2. REFER TO SHEET E-601 FOR ELECTRICAL FEEDER SCHEDULE.
3. GENERATOR IS TO BE CONSIDERED A SEPARATELY DERIVED AC SYSTEM, AND THE GENERATOR NEUTRAL TO BE BONDED TO THE FRAME.

KEYNOTES

1. ATS TO BE SERVICE ENTRANCE RATED.



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SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER

E-602

ORIGINAL SHEET SIZE:
22" X 34"

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1		2		3		4		5			
LUMINAIRE SCHEDULE											SHEET NOTES
FIXTURE	DESCRIPTION	LAMP	LUMENS	CRI	CCT	VOLTAGE	WATTAGE	MOUNTING	MANUFACTURER (BASIS OF DESIGN)	NOTES	
A	4 x 4 LED TROFFER	LED	4,800	82	5000K	277 V	39 W	CEILING GRID	LITHONIA LIGHTING 2FSL4 48L GZ10 LP850	1,2	
AE	4 x 4 LED TROFFER W/90 MINUTE BACKUP BATTERY	LED	4,800	82	5000K	277 V	39 W	CEILING GRID	LITHONIA LIGHTING 2FSL4 48L GZ10 LP850 EL14L	1,2,3	
B	2 x 2 LED TROFFER	LED	4,800	82	5000K	277 V	41 W	CEILING GRID	LITHONIA LIGHTING 2FSL2 48L GZ10 LP850	1,2	
BE	2 x 2 LED TROFFER W90 MINUTE BACKUP BATTERY	LED	4,800	82	5000K	277 V	41 W	CEILING GRID	LITHONIA LIGHTING 2FSL2 48L GZ10 LP850 EL14L	1,2,3	
C1E	LED SUSPENDED 1 x 4 STRIP W/90 MINUTE BACKUP BATTERY	LED	4,000	80	4000K	277 V	45 W	SUSPENDED	LITHONIA LIGHTING CLX L48 4000LM SEF WDL MVOLT GZ10 40K 80 CRI PS1050 WH	1,2,3	
C2	LED SUSPENDED 1 x 4 STRIP	LED	5,000	80	5000K	277 V	51 W	SUSPENDED	LITHONIA LIGHTING CLX L48 4000LM SEF RDL WD MVOLT TUWH PROR 80 CRI WH	1,2	
C2E	DIRECT/INDIRECT PENDANT W/BLACK FINISH W/BATTERY BACKUP	LED	4,000	80	5000K	277 V	51 W	SUSPENDED	LITHONIA LIGHTING CLX L48 4000LM SEF RDL WD MVOLT TUWH PROR 80 CRI PS1050 WH	1,2,3	
CF	CEILING FAN WITH LIGHT KIT.	LED BULBS				120 V	60 W	CEILING		1,2	
DE	LED SUSPENDED 1 x 4 STRIP W/90 MINUTE BACKUP BATTERY	LED	4,000	82	5000K	277 V	40 W	SUSPENDED	LITHONIA LITHING WL4 40L GZ10 LP850 EL14L	1,2,3,	
E1	LED 1 x 4 WALL MOUNTED STRIP WITH INTEGRAL OCCUPANCY SENSOR	LED	4,800	82	5000K	277 V	40 W	WALL	LITHONIA LIGHTING BLWP4 48L ADP GZ10 LP850 MSD7ADCX DIM50	1,2,5	
E2	LED 1 x 4 WALL MOUNTED WET LOCATION RATED W/90 MINUTE BACKUP BATTERY	LED	5,000	80	5000K	277 V	42 W	WALL	LITHONIA LIGHTING CVST L48 AL03 SWW3 80CRI IE7WCP	1,2,4	
EF1	6" SQUARE RECESSED LED DOWNLIGHT W/90 MINUTE BACKUP BATTERY	LED	4,000	80	5000K	277 V	39 W	RECESSED	GOTHAM EVO6SQ 50/40 AR LSS MVOLT GZ10 ELR	1,2,3	
F1	6" SQUARE RECESSED LED DOWNLIGHT	LED	4,000	80	5000K	277 V	39 W	RECESSED	GOTHAM EVO6SQ 50/40 AR LSS MVOLT GZ10	1,2	
F2	6" SQUARE RECESSED LED DOWNLIGHT DAMP LOCATION RATED	LED	2,500	80	5000K	277 V	25 W	RECESSED	GOTHAM EVO6SQSH 50/25 DFR SMO MVOLT	1,2,4	
HB	LED HIGH BAY	LED	15,000	80	5000K	277 V	137 W	SUSPENDED	LITHONIA LIGHTING IBHST 15000LM SD080 MD MVOLT OZ10 50K 80CRI WH	1,2	
HBE	LED HIGH BAY W/90 MINUTE BACKUP BATTERY	LED	15,000	80	5000K	277 V	137 W	SUSPENDED	LITHONIA LIGHTING IBHST 15000LM SD080 MD MVOLT OZ10 50K 80CRI WH BSL20HV	1,2,3	
ST	LED WALL MOUNT 1 x 4 STRIP	LED	2,200	82	5000K	277 V	21 W	WALL MOUNT 8' AFF	LITHONIA LIGHTING WL2 22L GZ10 MSD7 LP850	1,2,3,5	
WP	LED WALL PACK	LED	6,500	80	5000K	277 V	51 W	WALL	LITHONIA LIGHTING ARC2 LED P5 50K MVOLT E8WC DBLXD	1,2,3,4	
WS	EXTERIOR LED WALL SCONCE - WET LOCATION RATED W/90 MINUTE BACKUP BATTERY	LED	3000	80	4000K	277 V	14 W	WALL	LITHONIA LIGHTING ARC1 LED P3 50K MVOLT E4WH DDBXD	1,2,3,4	
X2	LED EXIT SIGN W/90 MINUTE BACKUP BATTERY	LED	-	-	-	277 V	2 W	WALL/CEILING	EVENLITE SOVII EM R - - -	1,2,3	
NOTES:											
1. DESIGN BASIS SHOWN FOR REFERENCE ONLY. FIXTURES OF EQUAL QUALITY AND PERFORMANCE ARE ACCEPTABLE. ALL FIXTURES MUST BE EQUAL IN MATERIAL, QUALITY, WARRANTY, PHOTOMETRIC, SIZE AND FINISH.											
2. VERIFY CEILING TYPES WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING.											
3. WIRE EXIT SIGNS AND EMERGENCY LUMINAIRES AHEAD OF ALL LOCAL SWITCHING.											
4. LUMINAIRES TO BE UL LISTED FOR WET LOCATIONS.											
5. LUMINAIRE PROVIDED WITH INTEGRAL OCCUPANCY SENSOR. WHEN UNOCCUPIED, LUMINAIRE TO DIM TO 50%.											

<

POND

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Peachtree Corners

Georgia 30092

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EOR/AOR SEAL

CLIENT INFORMATION

CITY OF PORT WENTWORTH

PROJECT NAME

PORT WENTWORTH FIRESTATION

DRAWING ISSUE

11/17/23
DATE

ADDENDUM 3
DESCRIPTION

1
MARK

DESIGNED BY: AS

DRAWN BY: AS

CHECKED BY: NN

SUBMITTED BY: CL

DATE: 09/07/2023

PROJECT #: 1230237

SHEET TITLE

LUMINAIRE SCHEDULE

SHEET NUMBER

E-611

ORIGINAL SHEET SIZE: 22" X 34"

11/16/2023 10:58:55 AM Autodesk Docs://1230237 Port Wentworth Fire Station/1230237_Port Wentworth FS_MEPF_V23.rvt

D

C

B

A

MECHANICAL EQUIPMENT CONNECTION SCHEDULE													
UNIT	VOLTAGE	NUMBER OF POLES	KVA	MCA	HP	STARTER	DISCONNECT	FEEDER SIZE	PANEL	CIRCUIT	LOCATION		NOTES
											NUMBER	NAME	
AHU-1	208 V	2	0.80 kVA	3.60 A	1/3	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A1	38,40	131	CORRIDOR	2,7
AHU-2	208 V	2	0.80 kVA	4.00 A	1/3	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A1	39,41	131	CORRIDOR	2,7
AHU-3	208 V	2	0.80 kVA	4.00 A	1/3	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A1	47,49	103	MECHANICAL	2,7
AHU-4	208 V	2	3.10 kVA	17.00 A	1/3	SEE NOTE(S)	30/20/2/1	3-#12, #12G, 3/4"C	NP21A2B	12,14	100	LOBBY	2,7
AHU-5	208 V	2	1.60 kVA	7.60 A	3/4	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A1	46,48	103	MECHANICAL	2,7
AHU-6	208 V	2	0.80 kVA	3.60 A	1/3	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A2B	8,10	219	CORRIDOR	2,7
AHU-7	208 V	2	0.80 kVA	3.60 A	1/3	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A2B	9,11	219	CORRIDOR	2,7
AHU-8	208 V	2	1.10 kVA	5.30 A	1/2	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A2B	13,15	206	MECHANICAL	2,7
AHU-9	208 V	2	1.60 kVA	7.60 A	3/4	SEE NOTE(S)	30/15/2/1	3-#12, #12G, 3/4"C	NP21A2B	17,19	206	MECHANICAL	2,7
DSCU-1	208 V	2	2.30 kVA	11.00 A	-	-	30/30/2/4X	3-#10, #10G, 3/4"C	NP21A2A	61,63	-	ROOF	2
DSCU-2	208 V	2	2.30 kVA	11.00 A	-	-	30/30/2/4X	3-#10, #10G, 3/4"C	NP21A1	43,45	-	EXTERIOR	2
DSCU-3	208 V	2	2.30 kVA	11.00 A	-	-	30/30/2/4X	3-#10, #10G, 3/4"C	NP21A2A	64,66	-	ROOF	2
DSCU-4	208 V	2	2.30 kVA	11.00 A	-	-	30/30/2/4X	3-#10, #10G, 3/4"C	NP21A2B	1,3	-	ROOF	2
DSS-1	208 V	2	0.04 kVA	1.00 A	-	-	30/20/2/1	3-#12, #12G, 3/4"C	NP21A2A	61,63		ELECTRICAL	1,2
DSS-2	208 V	2	0.04 kVA	1.00 A	-	-	30/20/2/1	3-#12, #12G, 3/4"C	NP21A1	43,45		ELECTRICAL	1,2
DSS-3	208 V	2	0.04 kVA	1.00 A	-	-	30/20/2/1	3-#12, #12G, 3/4"C	NP21A2A	64,66		ELECTRICAL	1,2
DSS-4	208 V	2	0.04 kVA	1.00 A	-	-	30/20/2/1	3-#12, #12G, 3/4"C	NP21A2B	1,3		ELECTRICAL	1,2
EF-1	120 V	1	0.20 kVA	1.90 A	0.1	SEE NOTE(S)	30/20/1/1	3-#12, #12G, 3/4"C	NP21A2A	36	131	CORRIDOR	2,7
EF-2	120 V	1	0.20 kVA	1.90 A	0.1	SEE NOTE(S)	30/20/1/1	3-#12, #12G, 3/4"C	NP21A2B	6	118	GEAR TURN OUT	2,7
EF-3	120 V	1	0.50 kVA	3.50 A	0.167	SEE NOTE(S)	30/20/1/4X	3-#12, #12G, 3/4"C	NP21A2A	25	-	ROOF	2,7
EF-4	208 V	2	2.00 kVA	15.60 A	2	SEE NOTE(S)	30/25/2/4X	3-#10, #10G, 3/4"C	NP21A2B	34,36	-	ROOF	2,7
EUH-1	208 V	2	2.00 kVA	9.60 A		-	SEE NOTE(S)	3-#12, #12G, 3/4"C	NP21A1	50,52	S101	STAIR	2,5
EUH-2	208 V	2	2.00 kVA	9.60 A		-	SEE NOTE(S)	3-#12, #12G, 3/4"C	NP21A1	51,53	S102	STAIR	2,5
EUH-3	480 V	3	30.00 kVA	36.90 A		-	SEE NOTE(S)	4-#8, #10G, 3/4"C	NP41A2	14,16,18	125	BAY 1	2,5
EUH-4	480 V	3	30.00 kVA	36.90 A		-	SEE NOTE(S)	4-#8, #10G, 3/4"C	NP41A2	9,11,13	123	BAY 3	2,5
EUH-5	480 V	3	30.00 kVA	36.90 A		-	SEE NOTE(S)	4-#8, #10G, 3/4"C	NP41A2	20,22,24	122	BAY 4	2,5
EUH-6	480 V	3	30.00 kVA	36.90 A		-	SEE NOTE(S)	4-#8, #10G, 3/4"C	NP41A2	15,17,19	122	BAY 4	2,5
EUH-7	480 V	3	30.00 kVA	36.90 A		-	SEE NOTE(S)	4-#8, #10G, 3/4"C	NP41A2	8,10,12	123	BAY 3	2,5
EUH-8	208 V	2	2.00 kVA	9.60 A		-	SEE NOTE(S)	3-#12, #12G, 3/4"C	NP21A1	42,44	114C	RISER	2,5
GWH-1	120 V	1	0.60 kVA			-		3-#12, #12G, 3/4"C	NP21A2A	37	206	MECHANICAL	2
GWH-2	120 V	1	0.60 kVA			-		3-#12, #12G, 3/4"C	NP21A2A	37	206	MECHANICAL	2
HP-1	208 V	2	3.00 kVA	14.50 A		SEE NOTE(S)	30/25/2/4X	3-#10, #10G, 3/4"C	NP21A2A	45,47	-	ROOF	2,7
HP-2	208 V	2	2.80 kVA	13.40 A		SEE NOTE(S)	30/20/2/4X	3-#12, #12G, 3/4"C	NP21A2A	44,46	-	ROOF	2,7
HP-3	208 V	2	3.00 kVA	14.50 A		SEE NOTE(S)	30/25/2/4X	3-#10, #10G, 3/4"C	NP21A2A	48,50	-	ROOF	2,7
HP-4	208 V	2	2.80 kVA	13.40 A		SEE NOTE(S)	30/20/2/4X	3-#12, #12G, 3/4"C	NP21A2A	49,51	-	ROOF	2,7
HP-5	208 V	2	6.90 kVA	33.20 A		SEE NOTE(S)	60/50/2/4X	3-#8, #10G, 3/4"C	NP21A2A	53,55	-	ROOF	2,7
HP-6	208 V	2	3.00 kVA	14.50 A		SEE NOTE(S)	30/25/2/4X	3-#12, #12G, 3/4"C	NP21A2A	52,54	-	ROOF	2,7
HP-7	208 V	2	2.80 kVA	13.40 A		SEE NOTE(S)	30/20/2/4X	3-#12, #12G, 3/4"C	NP21A2A	57,59	-	ROOF	2,7
HP-8	208 V	2	4.20 kVA	20.30 A		SEE NOTE(S)	30/30/2/4X	3-#10, #10G, 3/4"C	NP21A2A	56,58	-	ROOF	2,7
HP-9	208 V	2	6.80 kVA	32.80 A		SEE NOTE(S)	60/50/2/4X	3-#8, #10G, 3/4"C	NP21A2A	60,62	-	ROOF	2,7
HVLS-1	277 V	1	1.40 kVA			SEE NOTE(S)	SEE NOTE(S)	3-#12, #12G, 3/4"C	NP41A2	21	125	BAY 1	2,4,6
HVLS-2	277 V	1	1.40 kVA			SEE NOTE(S)	SEE NOTE(S)	3-#12, #12G, 3/4"C	NP41A2	21	123	BAY 3	2,4,6
HWRP-1	120 V	1	0.50 kVA		1/25	-	30/20/1/1	3-#12, #12G, 3/4"C	NP21A2B	16	206	MECHANICAL	2
SP-1	120 V	1	1.00 kVA			-	30/20/1/4X	3-#12, #12G, 3/4"C	NP21A1	2	107	ELEVATOR	2

- NOTES:
- INDOOR DSS UNIT FED FROM ASSOCIATED OUTDOOR UNIT.
 - ALL CONDUCTORS FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE COPPER. THE USE OF ALUMINUM CONDUCTORS TO FEED THIS EQUIPMENT IS NOT PERMITTED.
 - PROVIDE CONDENSATE PUMP FOR EQUIPMENT. REFER TO SHEETS M-601 AND M-602.
 - PROVIDE VFD RATED CABLES.
 - UNIT PROVIDED WITH MANUFACTURER'S DISCONNECT
 - UNIT PROVIDED WITH MANUFACTURER'S VFD.
 - UNIT PROVIDED WITH MANUFACTURER'S STARTER.

SHEET NOTES

- REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.



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EOR/AOR SEAL

CLIENT INFORMATION

CITY OF PORT
WENTWORTH

PROJECT NAME

PORT
WENTWORTH
FIRESTATION

DRAWING ISSUE

11/17/23
DATE

ADDENDUM 3
DESCRIPTION

1
MARK

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

MECHANICAL
EQUIPMENT
CONNECTION
SCHEDULE

SHEET NUMBER

E-612

ORIGINAL SHEET SIZE:
22" X 34"

100% DESIGN SUBMITTAL

11/16/2023 10:58:56 AM Autodesk Docs://1230237 Port Wentworth Fire Station/1230237_Port Wentworth FS_MEPE_V23.rvt

D

C

B

A

DISTRIBUTION PANEL: MDP

LOCATION: ELECTRICAL 104

MAINS RATING: 600A MCB

MOUNTING: WALL

VOLTAGE: 480Y/277

ENCLOSURE: NEMA 1

PHASES: 3

FED FROM: ATS 1

WIRES: 4

SCCR RATING:

CKT	CIRCUIT DESCRIPTION	POLES	TRIP RATING	LOAD	COMMENTS
1	NP41A1	3	400 A	14.5 kVA	
2	NP41A2	3	400 A	163.4 kVA	
3	T-NP21A2	3	175 A	167.4 kVA	
4	ELEVATOR	3	70 A	58.0 kVA	
5					
6					

NOTES:

LOAD CLASSIFICATION:	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS	
Elevator	58.00 kVA	58.00 kVA	TOTAL CONN. LOAD:	403.30 kVA
HVAC	220.06 kVA	227.56 kVA	TOTAL EST. DEMAND LOAD:	404.86 kVA
LTG	16.32 kVA	20.40 kVA	TOTAL CONN. CURRENT:	485 A
Lighting	0.00 kVA	0.00 kVA	TOTAL EST. DEMAND CURRENT:	487 A
MTR	26.80 kVA	27.63 kVA	TOTAL EST. DESIGN CURRENT:	
Power	15.61 kVA	15.61 kVA		
Recp - Specific Appliance or Load	34.86 kVA	34.86 kVA		
Recp - General Purpose	31.68 kVA	20.84 kVA		

PANELBOARD SCHEDULE: NP41A1																
LOCATION: ELECTRICAL 104				MAINS RATING: 400A MLO				MINIMUM BREAKER SCCR:								
SUPPLY FROM: MDP				VOLTAGE: 480Y/277												
MOUNTING: SURFACE				PHASES: 3												
ENCLOSURE: NEMA 1				WIRES: 4												
CONNECTED LOAD KVA																
CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A			B			C			POLE	TRIP	CIRCUIT DESCRIPTION	CKT
1	OFFICE AND CORRIDOR LIGHTING	20 A	1	1.38	0.01							1	20 A	EXTERIOR LTG	2	
3	TRAINING 101 LIGHTING	20 A	1			0.00	0.04					1	20 A	EXTERIOR LTG	4	
5	OFFICE AND CORRIDOR LIGHTING	20 A	1					2.07	0.12			1	20 A	STAIR S101, ELEVATOR PIT	6	
7	ELECTRICAL, MECHANICAL, RR...	20 A	1	0.13	3.03							3	20 A	SCBA	8	
9	RR, JANITOR, IT LTG	20 A	1			0.16	3.03					--	--	--	10	
11	STAIR S102/RISER 114C LTG	20 A	1					0.17	3.03			--	--	--	12	
13	SITE LIGHTING	20 A	1	0.58											14	
15	SITE LIGHTING	20 A	1			0.73									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	
TOTAL LOAD:				5.13			3.96			5.37						
NOTES:																
Load Classification				Connected Load				Estimated Demand				Panel Totals				
Power				9.10 kVA				9.10 kVA				Total Conn. Load: 14.46 kVA				
Lighting				0.00 kVA				0.00 kVA				Total Est. Demand Load: 15.80 kVA				
LTG				5.39 kVA				6.73 kVA				Total Conn. Current: 17 A				
												Total Est. Demand Current: 19 A				
												Total Est. Design Current: 21.85 A				

PANELBOARD SCHEDULE: GENERATOR													
LOCATION:				MAINS RATING:				MINIMUM BREAKER SCCR:					
SUPPLY FROM:				VOLTAGE: 480Y/277									
MOUNTING:				PHASES: 3									
ENCLOSURE:				WIRES: 4									
				CONNECTED LOAD KVA									
	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT		
	1	ATS 1	600 A	3	139....						2		
--	3	--	--	--		128....					4		
--	5	--	--	--			134....				6		
TOTAL LOAD:					139.61	128.86	134.83						
NOTES:													
Load Classification				Connected Load		Estimated Demand		Panel Totals					
HVAC				220.06 kVA		227.56 kVA		Total Conn. Load: 403.30 kVA					
Power				15.61 kVA		15.61 kVA		Total Est. Demand Load: 404.86 kVA					
Lighting				0.00 kVA		0.00 kVA		Total Conn. Current: 485 A					
LTG				16.32 kVA		20.40 kVA		Total Est. Demand Current: 487 A					
Recp - Specific Appliance or Load				34.86 kVA		34.86 kVA		Total Est. Design Current: 486.97 A					
Recp - General Purpose				31.68 kVA		20.84 kVA							

PANELBOARD SCHEDULE: NP21A1																	
LOCATION: ELECTRICAL 104						MAINS RATING: 500A MCB						MINIMUM BREAKER SCCR:					
SUPPLY FROM: T-NP21A2						VOLTAGE: 208Y/120											
MOUNTING: SURFACE						PHASES: 3											
ENCLOSURE: NEMA 1						WIRES: 4											
CONNECTED LOAD KVA																	
	CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT						
	1	DECON AND UNISEX...	20 A	1	0.54	1.00			1	20 A	SUMP PUMP	2					
	3	WASHER	20 A	1		0.18	0.36			1	20 A	ELECTRICAL 104	4				
	5	WASHER	20 A	1				0.18	0.54	1	20 A	LOBBY 100 AND EXTERIOR...	6				
	7	MECHANICAL 103 RECEPTACLE	20 A	1	0.18	0.18				1	20 A	ELEVATOR PIT RECEPTACLE	8				
	9	ADMIN 106 RECEPTACLES	20 A	1		0.54	0.36			1	20 A	WATER COOLER	10	*			
	11	ADMIN 106 RECEPTACLES	20 A	1				0.72	0.54	1	20 A	RESTROOM 115 AND 116	12				
	13	CORRIDOR 131 RECEPTACLES	20 A	1	0.54	0.18				1	20 A	IT RECEPTACLE	14				
	15	TRAINING RECEPTACLES	20 A	1		0.90	0.18			1	20 A	IT RECEPTACLE	16				
	17	IT RECEPTACLE	20 A	1				0.18	0.36	1	20 A	RIDER 114C AND EXTERIOR...	18				
*	19	REFRIGERATOR	20 A	1	0.09	0.18				1	20 A	COUNTERTOP RECEPTACLE	20				
*	21	REFRIGERATOR	20 A	1		0.09	0.72			1	20 A	REC ROOM 114 RECEPTACLES	22				
	23	COUNTER RECEPTACLE/VENT...	20 A	1				0.36	0.36	1	20 A	ISLAND RECEPTACLES	24				
	25	REC ROOM 114 RECEPTACLES	20 A	1	0.90	0.72				1	20 A	OFFICE 110	26				
	27	OFFICE 108	20 A	1		0.72	0.72			1	20 A	OFFICE 111	28				
	29	OFFICE 109	20 A	1				0.72	0.72	1	20 A	OFFICE 112	30				
	31	OFFICE 113	20 A	1	0.72	0.36				1	20 A	BAY AND EXTERIOR...	32				
	33	BAY AND EXTERIOR...	20 A	1		0.36	0.36			1	20 A	BAY AND EXTERIOR...	34				
	35	BAY AND EXTERIOR...	20 A	1				0.36	0.90	1	20 A	OFFICE 117	36				
	37	GEAR TURN OUT 118	20 A	1	0.36	0.40				2	15 A	AHU-1	38				
	39	AHU-2	15 A	2		0.40	0.40			--	--	--	40	--			
--	41	--	--	--				0.40	1.00	2	20 A	EUH-8	42				
	43	DSCU-2	30 A	2	1.17	1.00				--	--	--	44	--			
--	45	--	--	--		1.17	0.80			2	15 A	AHU-5	46				
	47	AHU-3	15 A	2				0.40	0.80	--	--	--	48	--			
--	49	--	--	--	0.40	1.00				2	20 A	EUH-1	50				
	51	EUH-2	20 A	2		1.00	1.00			--	--	--	52	--			
--	53	--	--	--				1.00	0.72	1	20 A	ADMIN 106 RECEPTACLES	54				
	55	ADMIN 106 RECEPTACLES	20 A	1	0.36	2.50				2	30 A	IT RECEPTACLE	56				
	57	ADMIN 106 RECEPTACLES	20 A	1		0.36	2.50			--	--	--	58	--			
	59	TRAINING FLOOR RECEPTACLES	20 A	1				3.00	1.66	2	50 A	RANGE	60				
	61	UNIFORM DRYER	20 A	3	2.00	1.66				--	--	--	62	--			
--	63	--	--	--		2.00	0.18			1	20 A	FIRE ALARM PANEL	64				
--	65	--	--	--				2.00	0.18	1	20 A	FA NAC	66				
TOTAL LOAD:					60.45	51.21	55.75										
NOTES:																	
Load Classification			Connected Load			Estimated Demand			Panel Totals								
HVAC			67.26 kVA			68.99 kVA			Total Conn. Load: 167.41 kVA								
Power			6.51 kVA			6.51 kVA			Total Est. Demand Load: 159.19 kVA								
LTG			0.30 kVA			0.38 kVA			Total Conn. Current: 465 A								
Recp - Specific Appliance or Load			34.86 kVA			34.86 kVA			Total Est. Demand Current: 442 A								
Recp - General Purpose			31.68 kVA			20.84 kVA			Total Est. Design Current: 508.16 A								

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PANELBOARD SCHEDULE: NP41A2

LOCATION: ELEC. 203
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 400A MLO
VOLTAGE: 480Y/277
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR:

CONNECTED LOAD KVA													
CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT			
1	CORRIDOR 219 LTG	20 A	1	0.98	1.64		1	20 A	BAY LIGHTING	2			
3	OFFICE, STORAGE, BREAKROOM...	20 A	1		0.27	0.88	1	20 A	LOCKER ROOMS LIGHTING	4			
5	STORAGE, EXERCISE, LAUNDRY...	20 A	1			0.75	1.64	1	20 A	BAY LIGHTING	6		
7	BAY LIGHTING	20 A	1	1.64	10.00			3	50 A	EUH-7	8		
9	EUH-4	50 A	3		10.00	10.00		--	--	10	--		
--	11 --	--	--			10.00	10.00	--	--	12	--		
--	13 --	--	--	10.00	10.00			3	50 A	EUH-3	14		
15	EUH-6	50 A	3		10.00	10.00		--	--	16	--		
--	17 --	--	--			10.00	10.00	--	--	18	--		
--	19 --	--	--	10.00	10.00			3	50 A	EUH-5	20		
21	HVLS	20 A	1		2.80	10.00		--	--	22	--		
23	BAY LTG	20 A	1			1.64	10.00	--	--	24	--		
25	EXTERIOR LTG	20 A	1	0.31	0.14			1	20 A	ELEVATOR PIT, STAIR 201 LTG	26		
27	EXTERIOR LTG	20 A	1		0.31	0.10		1	20 A	STAIR S202 LTG	28		
29	MECH ROOM AND ELECTRICAL...	20 A	1			0.36				30			
31										32			
33										34			
35										36			
37										38			
39										40			
41										42			
TOTAL LOAD:				54.70	54.35	54.40							

NOTES:

Load Classification	Connected Load	Estimated Demand	Panel Totals
HVAC	152.80 kVA	160.30 kVA	Total Conn. Load: 163.45 kVA
LTG	10.66 kVA	13.32 kVA	Total Est. Demand Load: 173.61 kVA
			Total Conn. Current: 197 A
			Total Est. Demand Current: 209 A
			Total Est. Design Current: 240.15 A

PANELBOARD SCHEDULE: NP21A2A

LOCATION: ELEC. 203
SUPPLY FROM: NP21A1
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 600A MLO
VOLTAGE: 208Y/120
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR:

CONNECTED LOAD KVA													
CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT			
1	EXERCISE EQUIPMENT	20 A	1	1.00	0.18		1	20 A	EXERCISE EQUIPMENT	2			
3	EXERCISE EQUIPMENT	20 A	1		1.00	0.90		1	20 A	EXERCISE CONV. RECEPT	4		
5	EXERCISE EQUIPMENT	20 A	1			1.00	0.72	1	20 A	CORRIDOR AND STORAGE...	6		
7	CORRIDOR 218/STORAGE 210	20 A	1	0.54	0.09			1	20 A	REFRIGERATOR	8	*	
9	MECHANICAL 206	20 A	1		0.36	0.18		1	20 A	BREAKROOM COUNTER	10		
11	BREAK ROOM 208	20 A	1			0.90	0.18	1	20 A	BREAKROOM COUNTER	12		
13	RESTROOM 218	20 A	1	0.54	0.36			1	20 A	LAUNDRY 204	14		
15	RESTROOM 217	20 A	1		0.54	0.18		1	20 A	IT RECEPTACLE	16		
17	CORRIDOR 219 RECEPTACLES	20 A	1			0.36	0.18	1	20 A	IT RECEPTACLE	18		
19	IT RECEPTACLE	20 A	1	0.18	1.66			2	20 A	DRYER	20		
21	DRYER	20 A	2		1.66	1.66		--	--	22	--		
--	23 --	--	--			1.66	1.66	2	20 A	DRYER	24		
25	EF-6	15 A	1	0.50	1.66			--	--	26	--		
27	OFFICE 209	20 A	1		0.54	1.10		1	20 A	WASHER	28		
29	WASHER	20 A	1			1.10	1.10	1	20 A	WASHER	30		
31	BUNK 5 RM 211	20 A	1	0.99	1.17			1	20 A	BUNK 2 RM 214	32		
33	BUNK 4 RM 212	20 A	1		1.17	0.99		1	20 A	BUNK 1 RM 215	34		
35	BUNK 3 RM 213	20 A	1			1.17	0.20	1	15 A	EF-1	36		
37	GWH-1, GWH-2	20 A	1	1.20	1.65			2	20 A	ROLLUP DOOR	38		
39	ROLLUP DOOR	20 A	2		1.65	1.65		--	--	40	--		
--	41 --	--	--			1.65				42			
43					1.40			2	20 A	HP-2	44		
45	HP-1	25 A	2		1.50	1.40		--	--	46	--		
--	47 --	--	--			1.50	1.50	2	25 A	HP-3	48		
49	HP-4	20 A	2	1.40	1.50			--	--	50	--		
--	51 --	--	--		1.40	1.50		2	25 A	HP-6	52		
53	HP-5	50 A	2			3.45	1.50	--	--	54	--		
--	55 --	--	--	3.45	2.10			2	30 A	HP-8	56		
57	HP-7	20 A	2		1.40	2.10		--	--	58	--		
--	59 --	--	--			1.40	3.40	2	50 A	HP-9	60		
61	DSCU-1	30 A	2	1.17	3.40			--	--	62	--		
--	63 --	--	--		1.17	1.17		2	30 A	DSCU-3	64		
65						1.17	--	--	--	66	--		
TOTAL LOAD:				44.04	45.98	49.44							

NOTES:

Load Classification	Connected Load	Estimated Demand	Panel Totals
HVAC	53.92 kVA	55.65 kVA	Total Conn. Load: 118.57 kVA
Power	0.15 kVA	0.15 kVA	Total Est. Demand Load: 119.18 kVA
LTG	0.30 kVA	0.38 kVA	Total Conn. Current: 329 A
Recp - Specific Appliance or Load	23.36 kVA	23.36 kVA	Total Est. Demand Current: 331 A
Recp - General Purpose	14.04 kVA	12.02 kVA	Total Est. Design Current: 380.43 A

PANELBOARD SCHEDULE: NP21A2B

LOCATION: ELEC. 203
SUPPLY FROM: NP21A2A
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

MAINS RATING: 600A MLO
VOLTAGE: 208Y/120
PHASES: 3
WIRES: 4

MINIMUM BREAKER SCCR:

CONNECTED LOAD KVA													
CKT	CIRCUIT DESCRIPTION	TRIP	POLE	A	B	C	POLE	TRIP	CIRCUIT DESCRIPTION	CKT			
1	DSCU-4	30 A	2	1.17	1.65			2	20 A	ROLLUP DOOR	2		
--	3 --	--	--		1.17	1.65		--	--	4	--		
5	ROLLUP DOOR	20 A	2			1.65	0.20	1	15 A	EF-5	6		
--	7 --	--	--	1.65	0.40			2	15 A	AHU-6	8		
9	AHU-7	15 A	2		0.40	0.40		--	--	10	--		
--	11 --	--	--			0.40	1.55	2	20 A	AHU-4	12		
13	AHU-8	15 A	2	0.55	1.55			--	--	14	--		
--	15 --	--	--		0.55	0.50		1	20 A	HWRP-1	16		
17	AHU-9	15 A	2			0.80	2.50	2	30 A	RACK RECEPTACLE L6-30	18		
--	19 --	--	--	0.80	2.50			--	--	20	--		
21	BAY RECEPTACLES	20 A	1		0.72					22			
23	ELECTRICAL ROOM 203	20 A	1			0.36	0.36	1	20 A	ROOF RECEPTACLES	24		
25	EXERCISE EQUIPMENT	20 A	1	1.00	1.65			2	20 A	ROLLUP DOOR	26		
27	EXERCISE EQUIPMENT	20 A	1		1.00	1.65		--	--	28	--		
29	BAY RECEPTACLES	20 A	1			0.72	1.65	2	20 A	ROLLUP DOOR	30		
31	ROLLUP DOOR	20 A	2	1.65	1.65			--	--	32	--		
--	33 --	--	--		1.65	1.00		2	25 A	EF-4	34		
35	ROLLUP DOOR	20 A	2			1.65	1.00	--	--	36	--		
--	37 --	--	--	1.65						38			
39										40			
41										42			
43										44			
45										46			
47										48			
49										50			
51										52			
53										54			
55										56			
57										58			
59										60			
61										62			
63										64			
65										66			
TOTAL LOAD:				17.87	10.69	12.84							

NOTES:

Load Classification	Connected Load	Estimated Demand	Panel Totals
HVAC	12.24 kVA	13.02 kVA	Total Conn. Load: 41.39 kVA
Recp - Specific Appliance or Load	6.99 kVA	6.99 kVA	Total Est. Demand Load: 42.99 kVA
Recp - General Purpose	2.16 kVA	2.16 kVA	Total Conn. Current: 115 A
			Total Est. Demand Current: 119 A
			Total Est. Design Current: 137.23 A

SHEET NOTES

- REFER TO SHEETS E-001 & E-002 FOR ELECTRICAL GENERAL NOTES, ABBREVIATIONS & LEGEND.
- BREAKERS WITH "*" DESIGNATION ARE GFP BREAKERS.
- BREAKER SERVING THE FACU SHALL HAVE A RED MARKING PER NFPA 72 SECTION 10.6.5.2.3 AND PROVIDED WITH A CIRCUIT BREAKER LOCK PER NFPA 72 SECTION 10.6.5.4. BREAKER SHALL ALSO MEET THE REQUIREMENTS OF NFPA 72 SECTIONS 10.6.5.2.2, 10.6.5.2.5, AND 10.6.5.3.



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CLIENT INFORMATION

CITY OF PORT
WENTWORTH

PROJECT NAME

PORT
WENTWORTH
FIRESTATION

DRAWING ISSUE

11/17/23
DATE

ADDENDUM 3
DESCRIPTION

1
MARK

DESIGNED BY: AS
DRAWN BY: AS
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

PANELBOARD
SCHEDULES

SHEET NUMBER

E-622

ORIGINAL SHEET SIZE:
22" X 34"

1

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SHEET NOTES

1. REFER TO SHEET T-001 FOR TELECOMMUNICATIONS
GENERAL NOTES, ABBREVIATIONS & LEGEND.



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11/17/23
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ADDENDUM 3
DESCRIPTION

1
MARK

DESIGNED BY: MB
DRAWN BY: MB
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

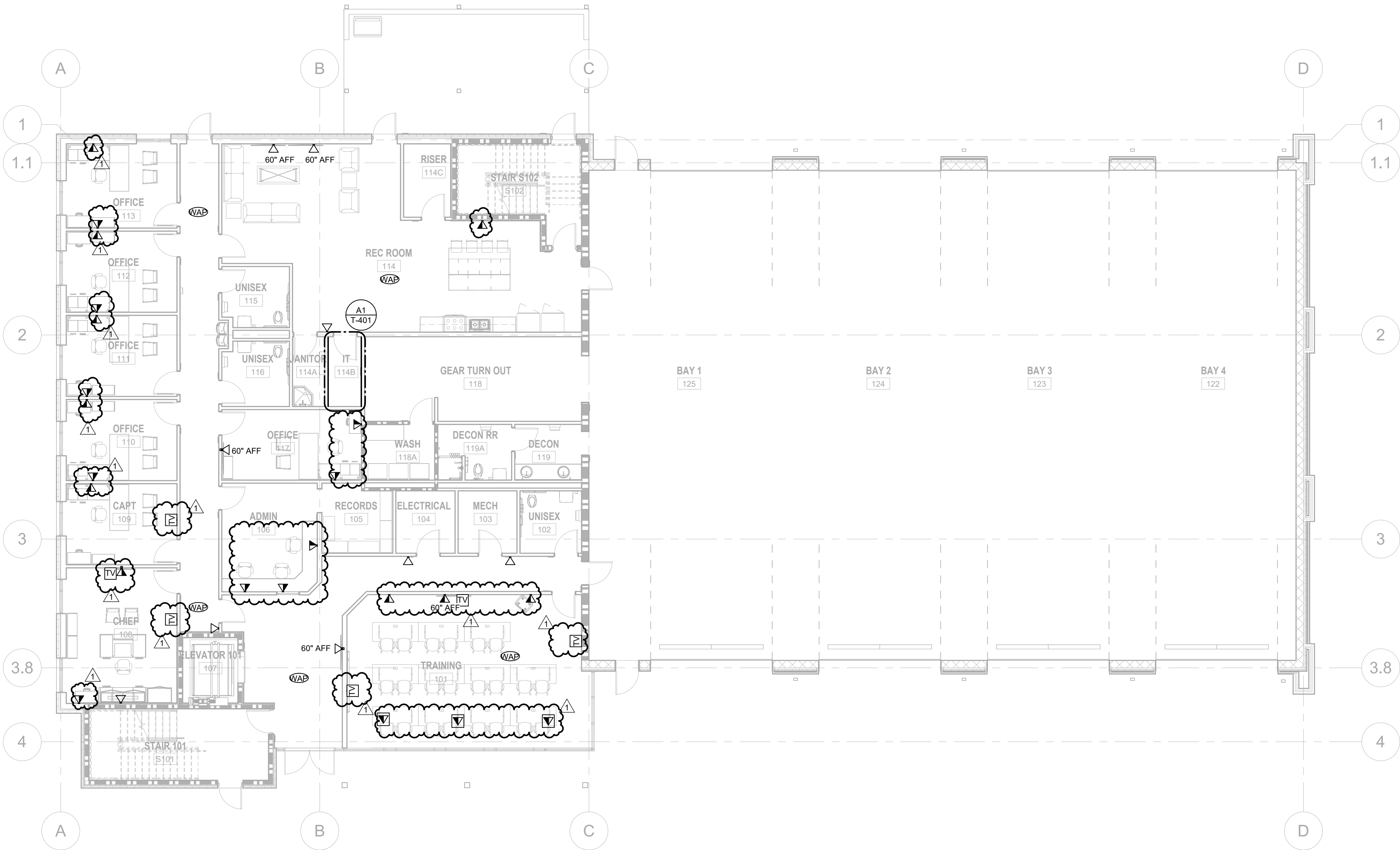
SHEET TITLE

TELECOMMUNICATIONS
PLAN LEVEL 1

SHEET NUMBER

T-101

ORIGINAL SHEET SIZE:
22" X 34"



A1 TELECOMMUNICATIONS PLAN LEVEL 1
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"



100% DESIGN SUBMITTAL

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SHEET NOTES

1. REFER TO SHEET T-001 FOR TELECOMMUNICATIONS
GENERAL NOTES, ABBREVIATIONS & LEGEND.

KEYNOTES

1. COMBINE DATA JACKS WITH RECEPTACLES IN FLOOR BOX. REFER TO E-112 FOR RECEPTACLE LOCATION.



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DATE 11/17/23

ADDENDUM 3
DESCRIPTION

1

DESIGNED BY: MB
DRAWN BY: MB
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SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

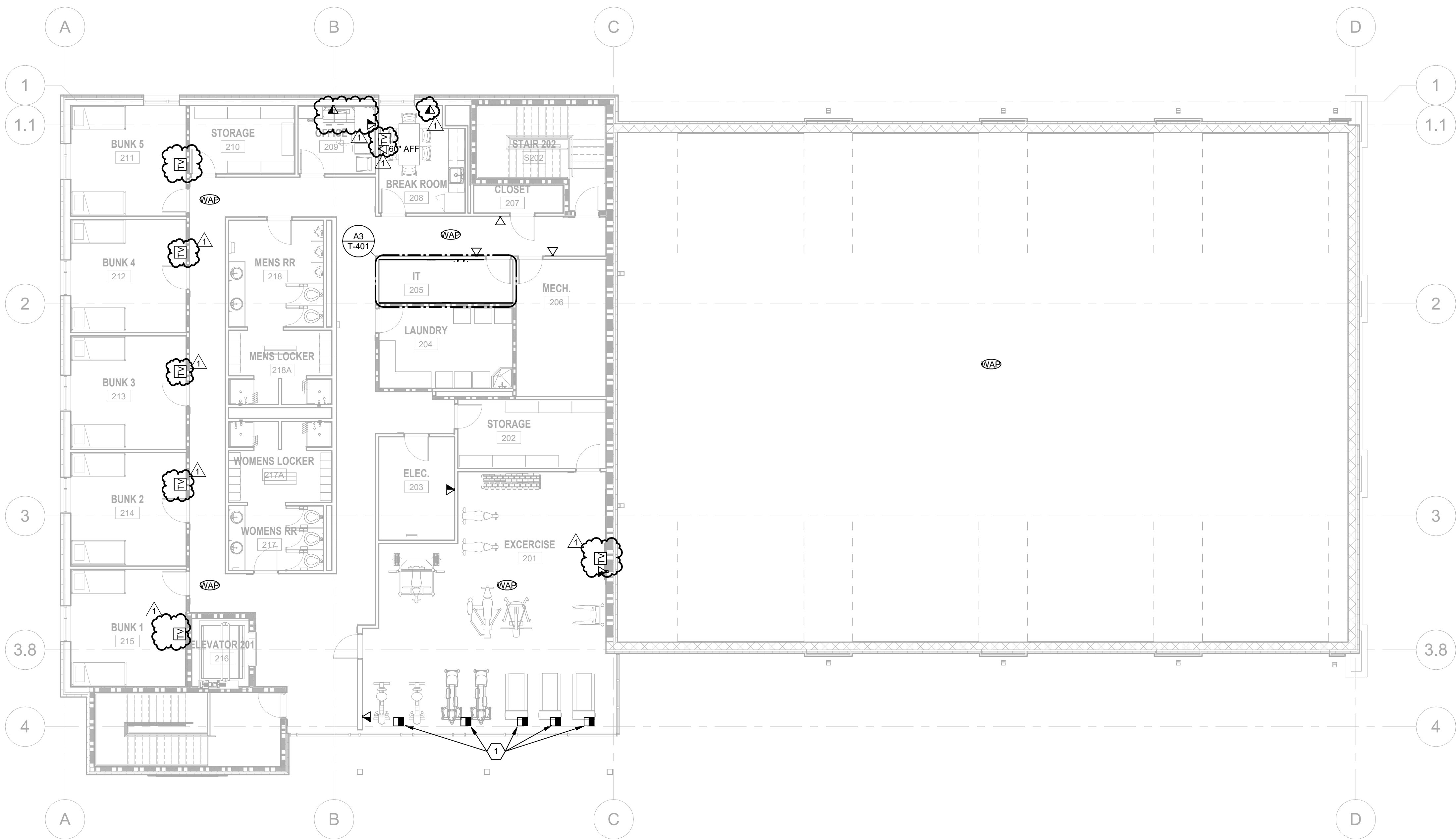
SHEET TITLE

TELECOMMUNICATIONS
PLAN LEVEL 2

SHEET NUMBER

T-102

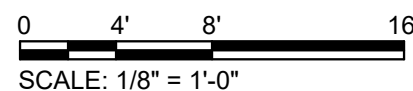
ORIGINAL SHEET SIZE:
22" X 34"



A1

TELECOMMUNICATIONS PLAN LEVEL 2

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



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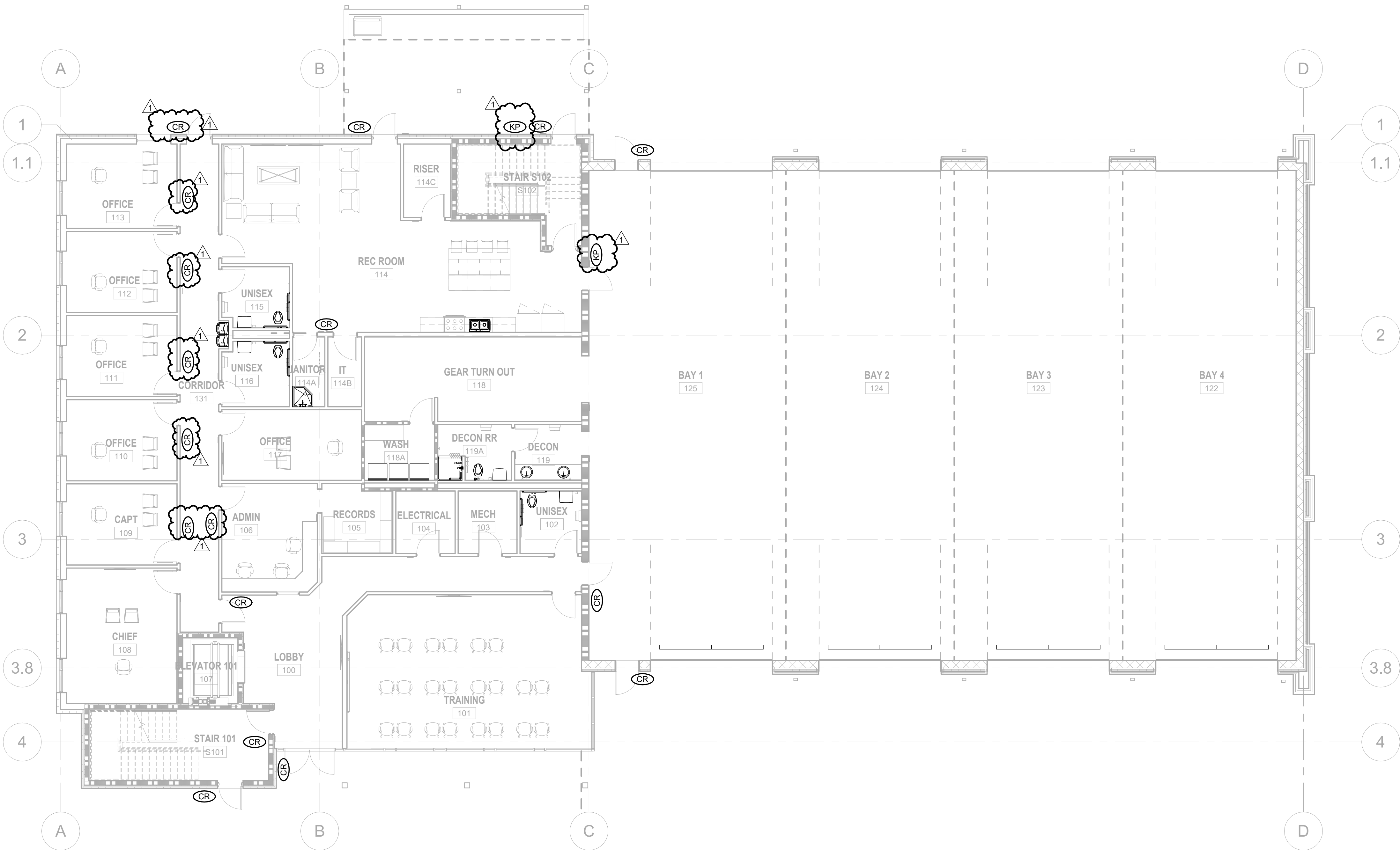
4

5

SHEET NOTES

1. REFER TO SHEETS T-001 FOR TELECOMMUNICATIONS GENERAL NOTES, ABBREVIATIONS & LEGEND.

1. XXX



A1 ELECTRONIC SECURITY SYSTEM PLAN LEVEL 1

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

0 4' 8' 16'
SCALE: 1/8" = 1'-0"



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ADDENDUM 3
DESCRIPTION

1
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DESIGNED BY: MB
DRAWN BY: MB
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

ELECTRONIC
SECURITY
SYSTEM PLAN
LEVEL 1

SHEET NUMBER

T-111

ORIGINAL SHEET SIZE:
22" X 34"

100% DESIGN SUBMITTAL

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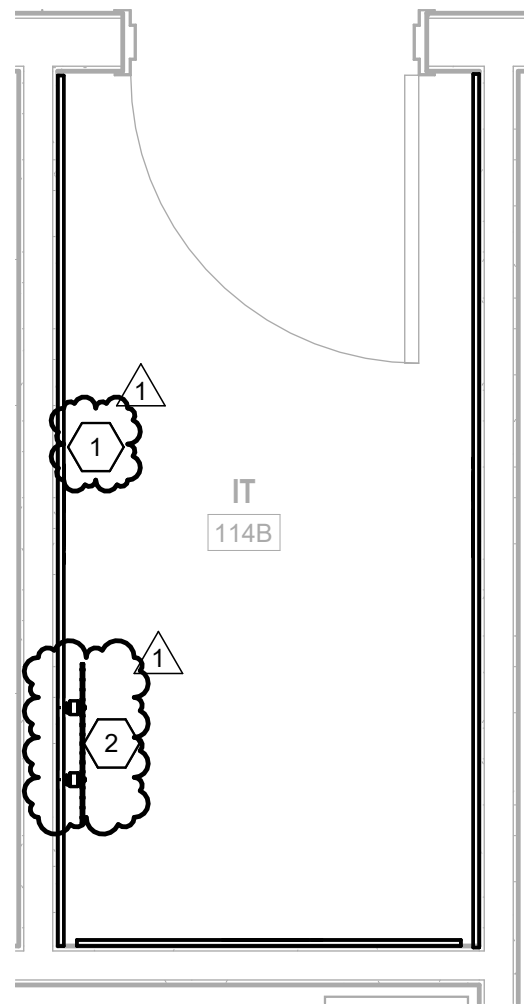
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SHEET NOTES

1. REFER TO SHEET T-001 FOR TELECOMMUNICATIONS GENERAL NOTES, ABBREVIATIONS & LEGEND.

KEYNOTES

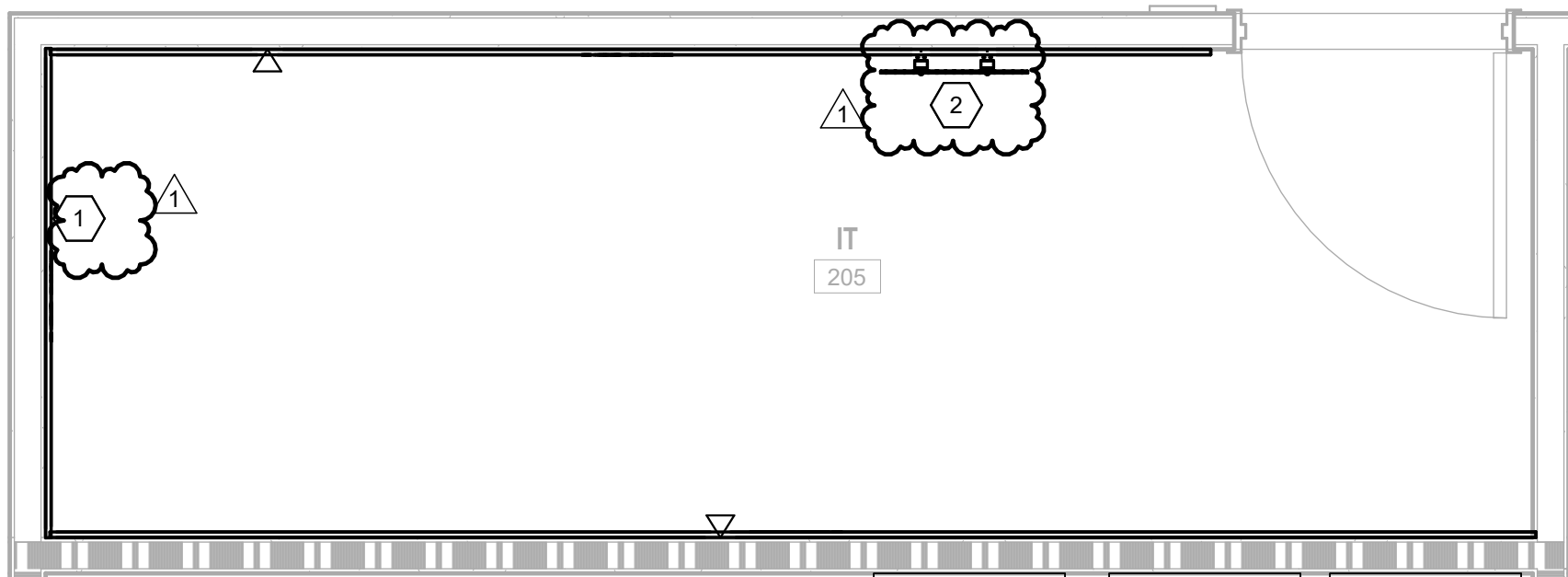
1. PROVIDE 3/4" BACKBOARD FOR MOUNTING OF TELECOMMUNICATIONS EQUIPMENT AND SECURITY EQUIPMENT.
2. PROVIDE GROUND BAR FOR TECHNICAL GROUNDING FOR EQUIPMENT AND LADDER RACK. REFER TO A1/E-502.



A1

IT ROOM 114B TELECOMMUNICATIONS PLAN

SCALE: 1/2" = 1'-0"



A3

IT ROOM 205 TELECOMMUNICATIONS PLAN

SCALE: 1/2" = 1'-0"

0 1' 2' 4'
SCALE: 1/2" = 1'-0"



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ADDENDUM 3
DESCRIPTION

1
MARK

DESIGNED BY: MB
DRAWN BY: MB
CHECKED BY: NN
SUBMITTED BY: CL
DATE: 09/07/2023
PROJECT #: 1230237

SHEET TITLE

ENLARGED
TELECOMMUNICATIONS
ROOMS

SHEET NUMBER

T-401

ORIGINAL SHEET SIZE:
22" X 34"

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