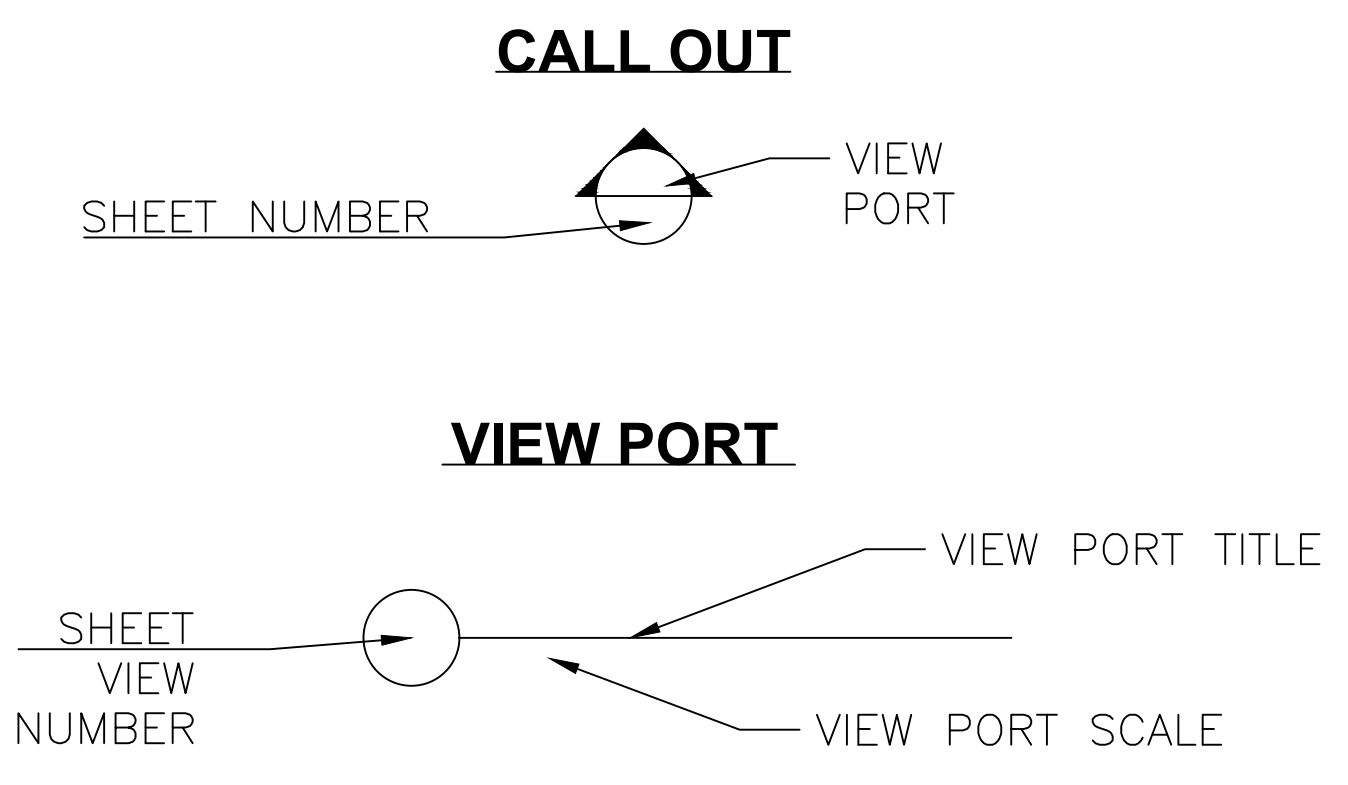


Sheet Number	Sheet Title
FAC	COVER SHEET
FA1	SECTION A
FA2	SECTION B
FA3	SECTION C
FA4	SECTION D
FA5	SECTION E
FA6	SECTION F
FA7	SECTION G & 2ND FL OFFICE
FA8	REPORTS

SCOPE OF WORK:  
INSTALLING A FIRE ALARM SYSTEM IN A SPRINKLED F/B OCCUPANCY.

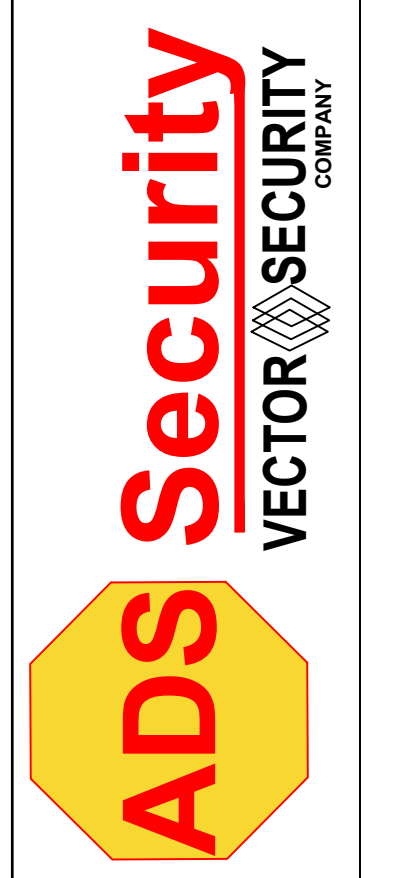
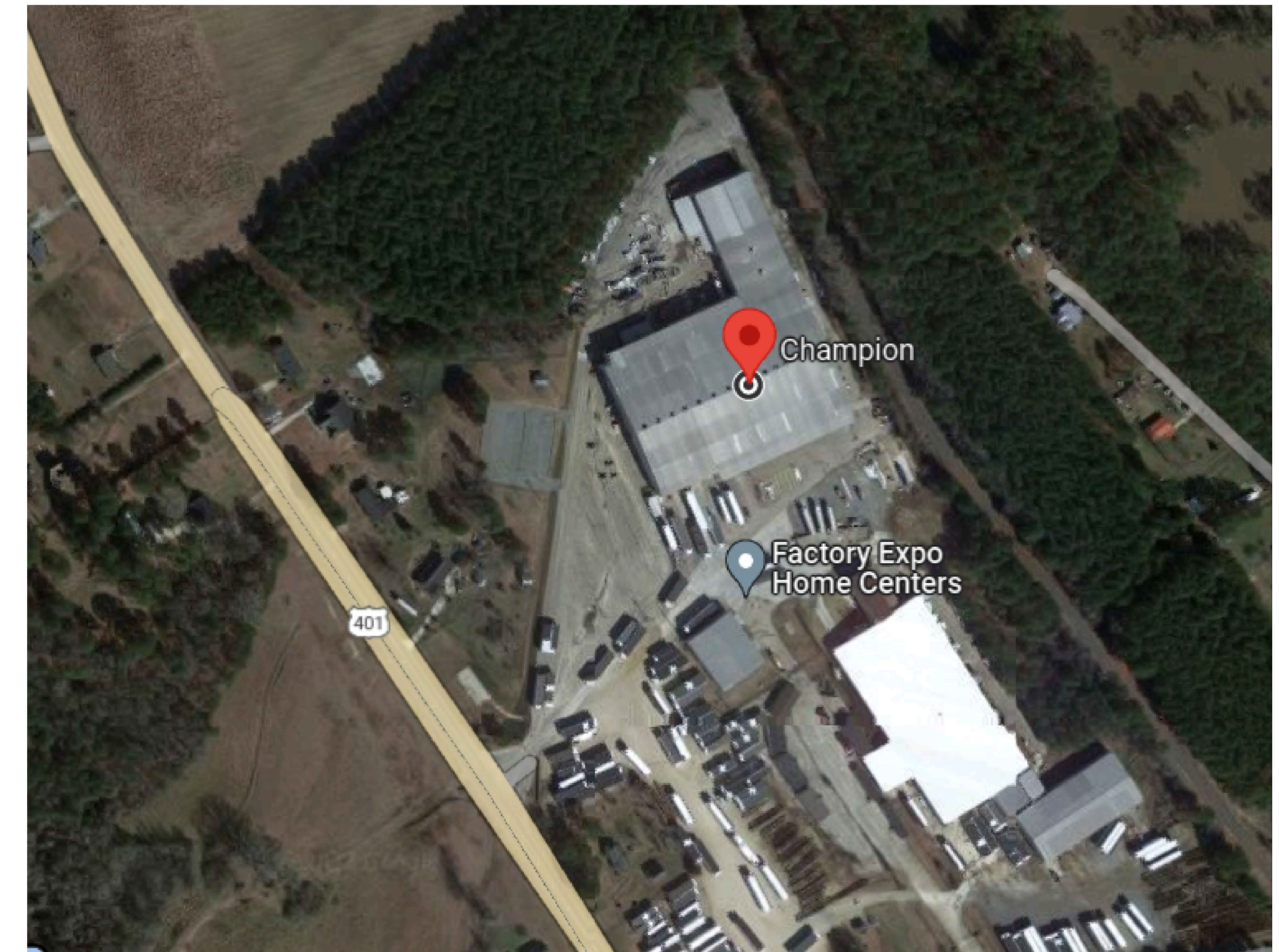
NOTES:

- 120 VAC PROVIDED BY OTHERS
- EXISTING FACP MONITORED VIA APPROVED CELLULAR COMMUNICATOR
- CODE REFERENCES 2018 IBC, 2017 NFPA 70, AND 2016 NFPA 72
- DUCT MOUNTED SMOKE MOUNTED BY HVAC CONTRACTOR AND WIRED BY ALARM CONTRACTOR
- DUCT SHUT DOWN RELAYS WIRED TO HVAC BY HVAC CONTRACTOR
- CONSULT WITH AHJ AND GENERAL CONTRACTOR FOR DUCT MOUNTED SMOKE REMOTE INDICATOR LOCATION
- DEDICATED CIRCUITS SHALL BE PROVIDED FOR ALL FACP AND ASSOCIATED PANELS.
- POWER LIMITED WIRING SHALL BE SEPARATED FROM NON POWER LIMITED ELECTRIC LIGHT, AND CLASS 1 CIRCUITS BY A MINIMUM OF 2-INCHES
- THE CIRCUIT DISCONNECTING MEANS SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONS, SHALL INCLUDE A BREAKER LOCK AND LABELED FIRE ALARM
- ALL WIRING AND CABLING METHODS SHALL COMPLY WITH NFPA 70 ARTICLE 760. ALL WIRINGS WITHIN 7-FEET OF THE FLOOR SHALL BE IN CONDUIT. WIRING NOT IN CONDUIT MUST BE CONCEALED AND PROTECTED BY BUILDING ELEMENTS
- BUSHING ARE REQUIRED WHERE CABLE ENTERS A BOX OR CONDUIT
- ALL CONNECTIONS MUST BE IN JUNCTION BOXES OR DEVICES
- JUNCTION BOXES MUST BE LABELED OR MARKED TO SHOW THEY ARE PART OF THE FIRE ALARM SYSTEM
- ALL WIRING PASSING THROUGH METAL STUDS MUST BE PROTECTED BY GROMMETS OR BUSHINGS
- WIRING ABOVE A DROP CEILING MUST BE SUPPORTED EVERY 54-INCHES AT THE TOP OF THE BUILDING STRUCTURE. WIRE CANNOT BE SUPPORTED BY GRID OR SUPPORT WIRES
- INSTALLING CONTRACTOR SHALL CONDUCT A PRE-INSPECTION AND TESTING PRIOR TO SCHEDULING AN ACCEPTANCE TEST WITH THE FIRE DEPARTMENT



DEVICE LEGEND				
SYMBOL	QTY	MANUFACTURER	PART NO	DESCRIPTION
[FACP]	1	POTTER	AFC-1000	FIRE ALARM CONTROL PANEL
[CEBL]	1	DMP	DUALCOMNF-LV (24V)	UNIVERSAL FIRE ALARM COMMUNICATOR WITH HARDWIRED NETWORK PRIMARY AND LTE BACKUP (VERIZON)
[FAA]	1	POTTER	RA-6500	160 CHARACTER LCD ANNUNCIATOR
[PS]	3	GENERIC	AIR PRESSURE SWITCH	
[VTS]	7	GENERIC	VALVE TAMPER SUPERVISORY SWITCH	
[F] PAD100-PSDA	8	POTTER	PAD100-PSDA	ADDRESSABLE PULL STATION DUAL ACTION
[AM] PAD100-DIM	7	POTTER	PAD100-DIM	DUAL INPUT MODULE
[AM] PAD100-SIM	3	POTTER	PAD100-SIM	SINGLE INPUT MODULE
[S] 6DB	1	POTTER	PAD200-PD W/PAD100-6DB	PHOTOELECTRIC SMOKE DETECTOR WITH 6" STANDARD BASE
[WF]	7	GENERIC	WATERFLOW SWITCH	
[S] P2RL	37	SYSTEM SENSOR	P2RL	2-WIRE, HORN STROBE, RED

CABLE AND WIRE LEGEND			
LABEL	PART NO	AWG	DESCRIPTION
A	18/2 FPLP/R (SLC)	18	2 COND. SOLID COPPER FPLP/R ADDRESSABLE UNSHIELDED
PLINK+	18/4 FPLP/R (P-LINK/PWR)	18	4 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED
T	RJ-11	22	4 COND. UNSHIELDED COMMUNICATIONS CABLE
V	14/2 FPLP/R (NAC)	14	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED
Z	18/2 FPLP/R (IDC)	18	2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED



3001 ARMORY DR  
SUITE 100  
NASHVILLE TN  
37203

CHAMPION  
4055 US 401  
LILLINGTON NC 27546

DESIGNED BY:  
CHRIS OWENS

SYSTEMS  
APPLICATIONS  
AND DESIGN

NICET IV FAS  
#1333432

TN QA #1905

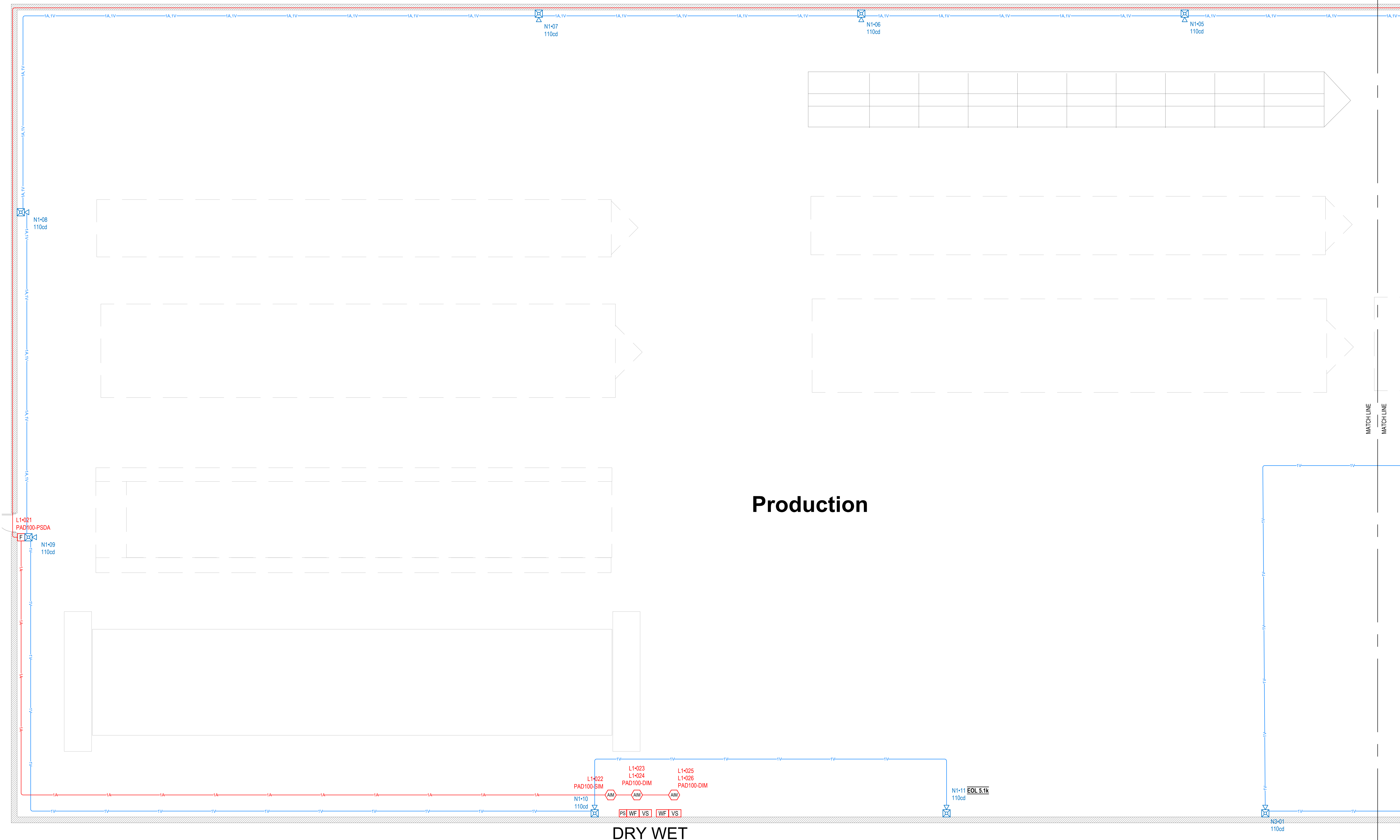
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Revision	
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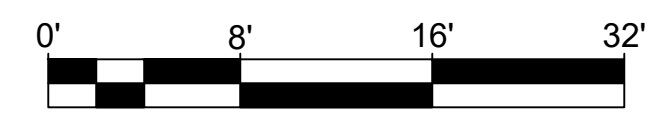
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TBD  
PERMIT NUMBER  
TBD

OCCUPANCY  
F,B  
SHEET  
FAC



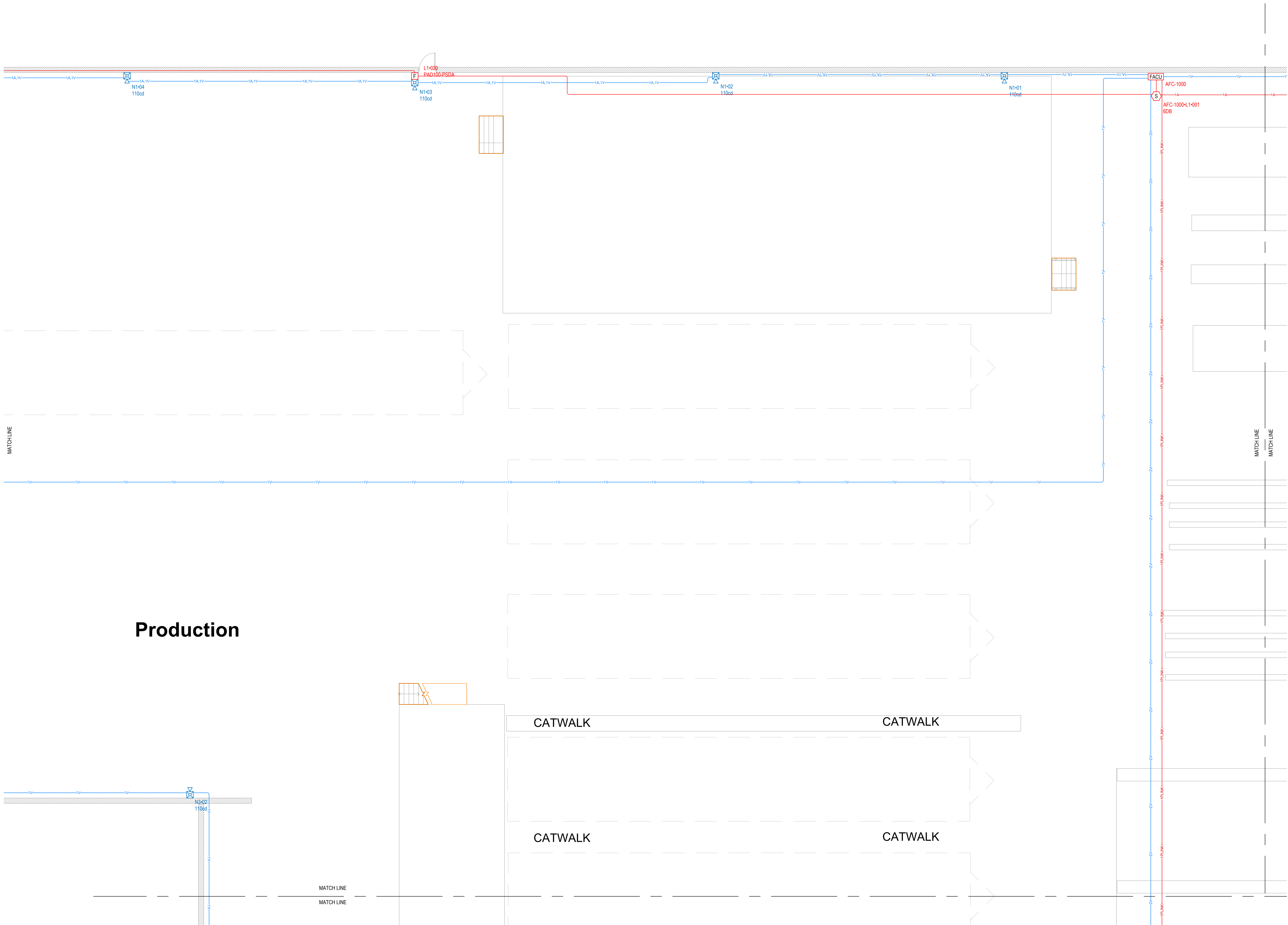


**1** PLANT SECTION A  
SCALE 1/8 INCH = 1 FOOT



**Production**

**DRY WET**



**Production**

1 PLANT SECTION B  
SCALE 1/8 INCH = 1 FOOT



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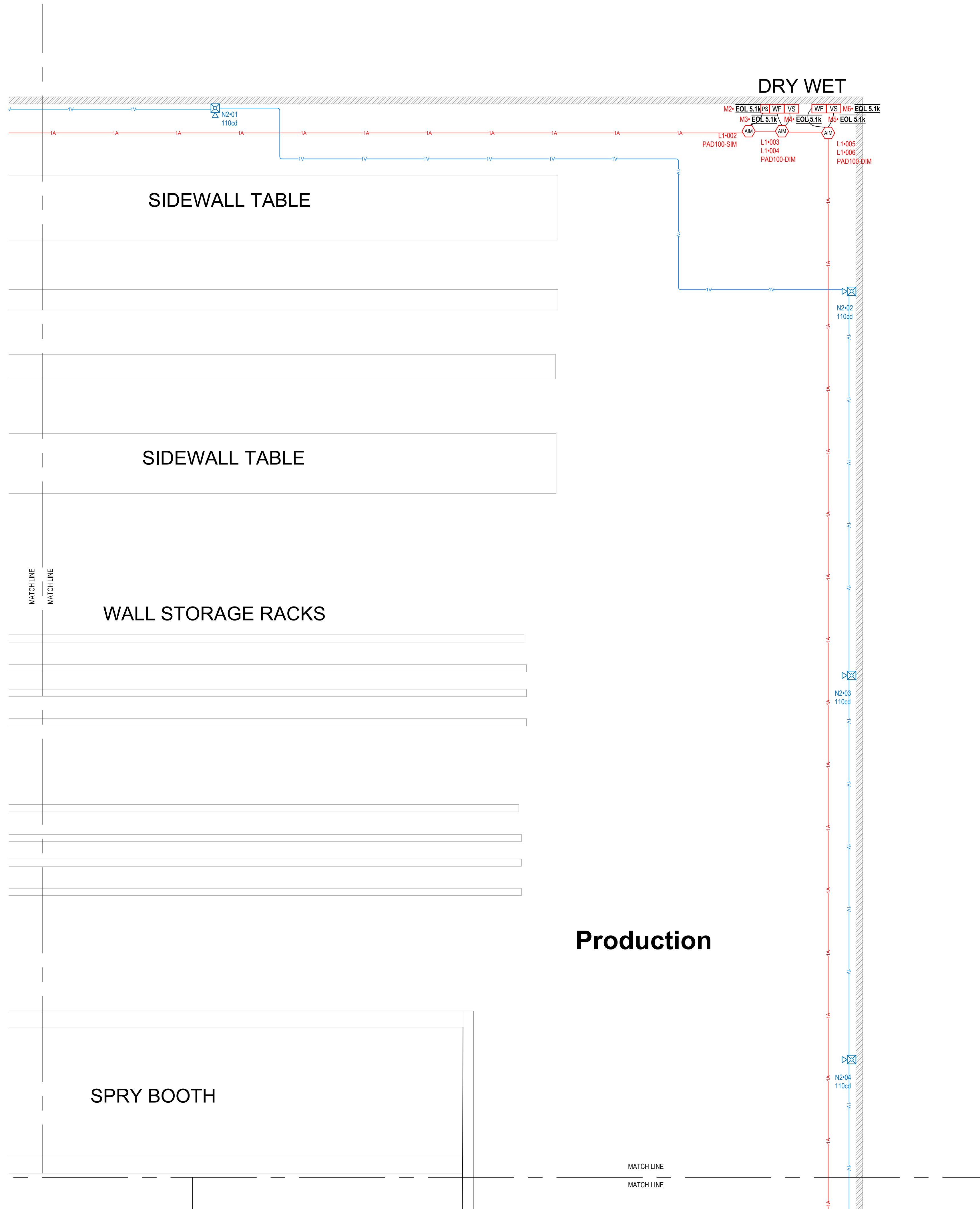
TN QA #1905

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0027673896

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1	7/23/2022

JOB NUMBER	TBD
PERMIT NUMBER	TBD

OCCUPANCY  
F,B  
SHEET  
FA2



1 PLANT SECTION C  
SCALE 1/8 INCH = 1 FOOT



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APPLICATIONS  
AND DESIGN

NICET IV FAS  
#1333432

TN QA #1905

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0027673896

Revision	
1	7/23/2022

JOB NUMBER

TBD

PERMIT NUMBER

TBD

OCCUPANCY

F,B

SHEET

FA3

M19: EOL 5.1K  
**WET**  
M19: EOL 5.1K

M15: EOL 5.1K  
M16: EOL 5.1K  
M13: EOL 5.1K  
M14: EOL 5.1K  
M12: EOL 5.1K

N3-03  
110cd

L1-07  
PAD100-PSDA

N3-04  
110cd

L1-015  
L1-016  
PAD100-DIM

L1-013  
L1-014  
PAD100-DIM

L1-012  
PAD100-SIM

N3-05  
110cd

MATCH LINE  
MATCH LINE

1 PLANT SECTION D  
SCALE 1/8 INCH = 1 FOOT



CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

CATWALK

MUD BOOTH

CEUNG JG

STORAGE BALCONY

Produciton



3001 ARMORY DR  
SUITE 100  
NASHVILLE TN  
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SYSTEMS  
APPLICATIONS  
AND DESIGN

NICET IV FAS  
#1333432

TN QA #1905

FCC GROL  
0027673896

Revision	
1	7/23/2022

JOB NUMBER

TBD

PERMIT NUMBER

TBD

OCCUPANCY

F,B

SHEET

FA4

BOOTH

JG

Production

MATCH LINE

MATCH LINE  
MATCH LINE

MATCH LINE

MATCH LINE

N2-05  
110ct

N2-06  
110ct

N2-07  
110ct

1 PLANT SECTION E  
SCALE 1/8 INCH = 1 FOOT



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APPLICATIONS  
AND DESIGN

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#1333432

TN QA #1905

FCC GROL  
0027673896

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TBD

PERMIT NUMBER

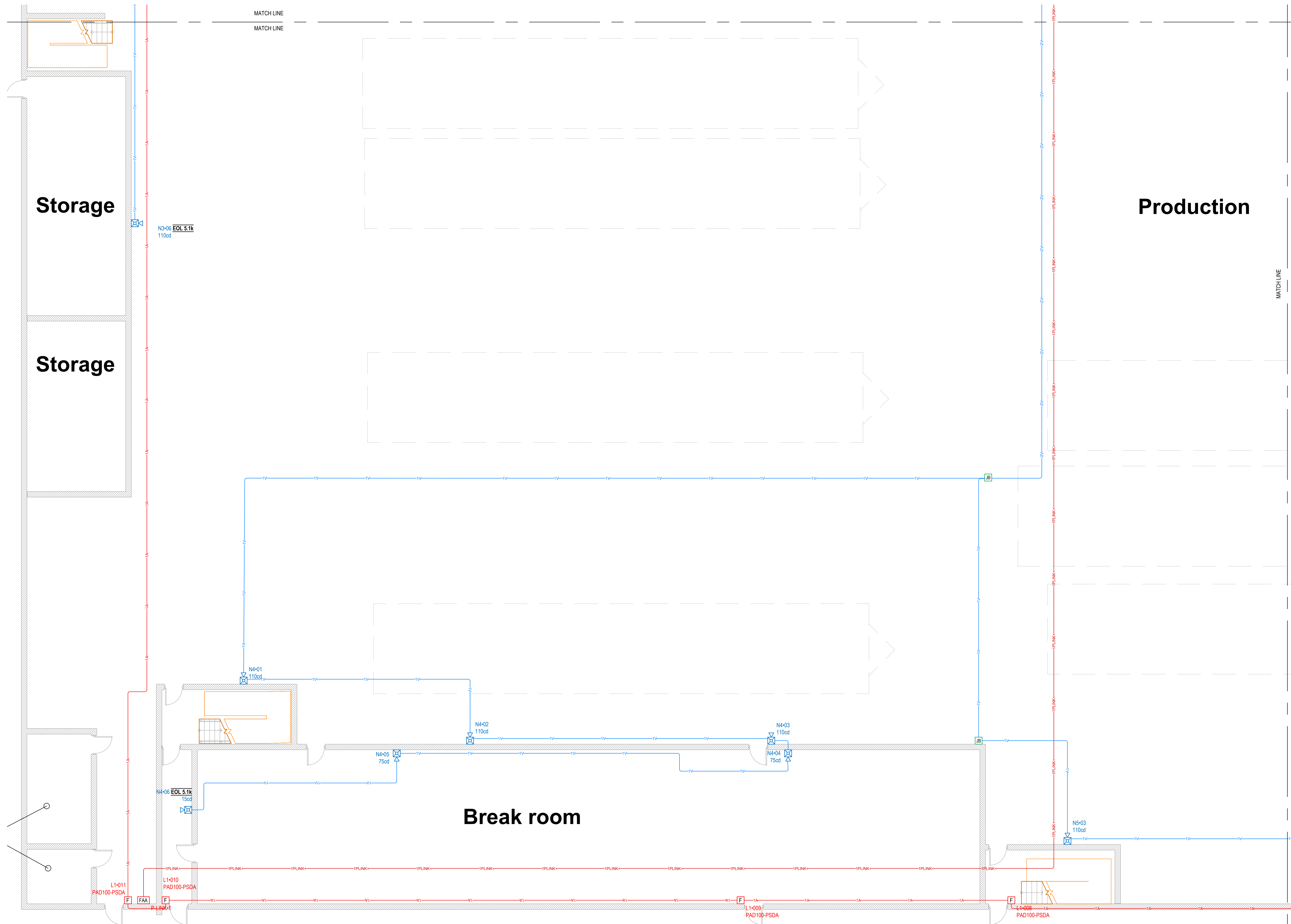
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OCCUPANCY

F,B

SHEET

FA5



1 PLANT SECTION F  
SCALE 1/8 INCH = 1 FOOT



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CHRIS OWENS

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APPLICATIONS  
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#1333432

TN QA #1905

FCC GROL  
0027673896

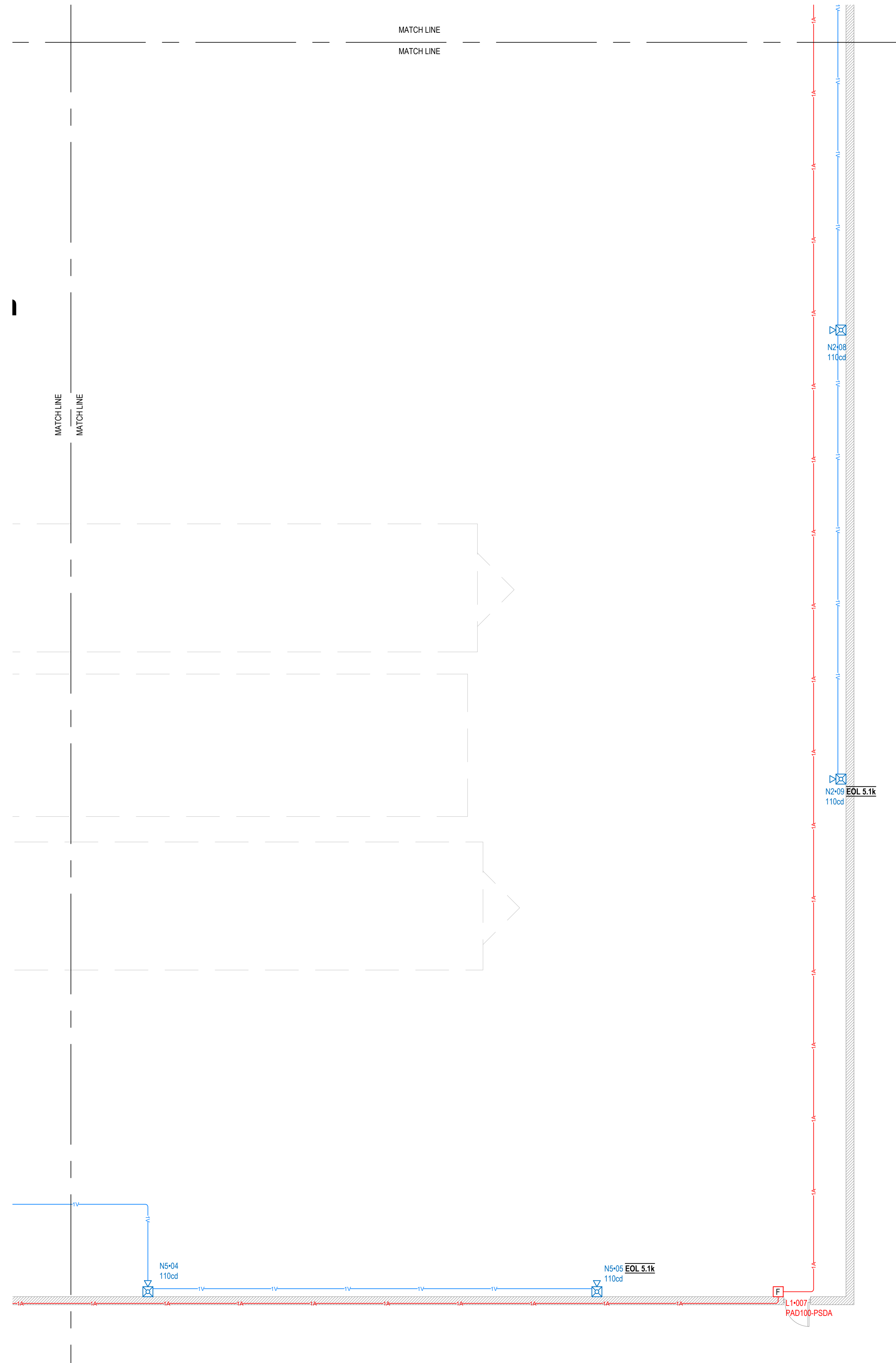
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PERMIT NUMBER	TBD

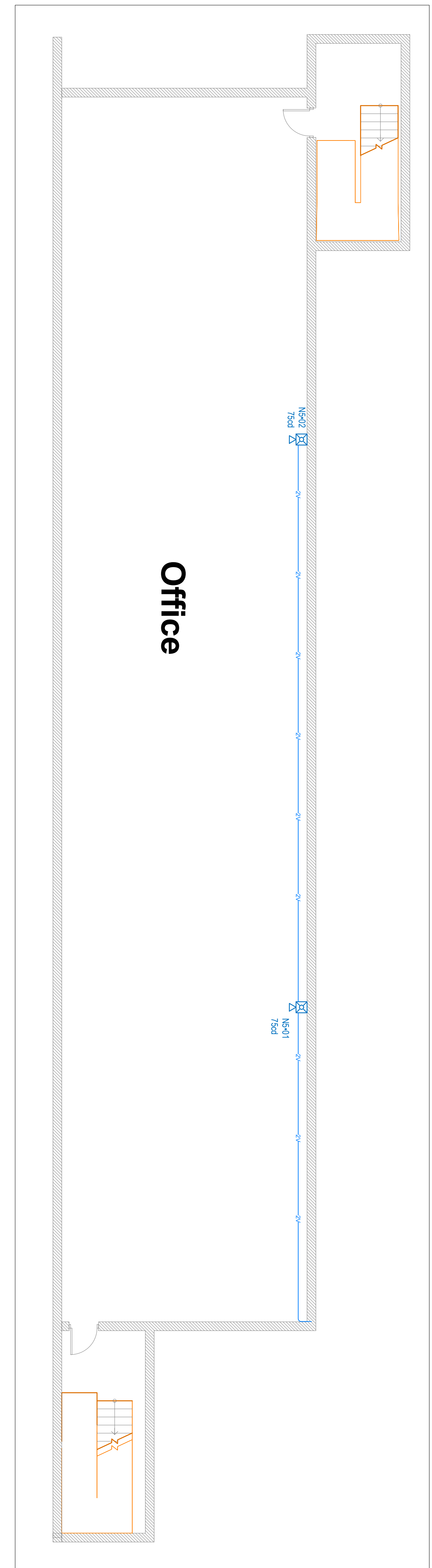
OCCUPANCY

F,B  
SHEET  
FA6





1 PLANT SECTION G  
SCALE 1/8 INCH = 1 FOOT  
0' 8' 16' 32'



1 2ND FLOOR OFFICE  
SCALE 1/8 INCH = 1 FOOT  
0' 8' 16' 32'



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APPLICATIONS  
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NICET IV FAS  
#1333432

TN QA #1905

FCC GROL  
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Revision	
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JOB NUMBER	TBD
PERMIT NUMBER	TBD

OCCUPANCY

F,B  
SHEET  
FA7





3001 ARMORY DR SUITE 100 NASHVILLE TN 37203

CHAMPION 4055 US 401 LILLINGTON NC 27546

DESIGNED BY: CHRIS OWENS

SYSTEMS APPLICATIONS AND DESIGN

NICET IV FAS #1333432

TN QA #1905

FCC GROL 0027673896

Revision 1 7/23/2022

JOB NUMBER TBD

PERMIT NUMBER TBD

OCCUPANCY

F, B SHEET

FA8

PANEL AFC-1000 (AFC-1000) BATTERY CALCULATION. TABLE WITH COLUMNS: QTY, PART NO., DESCRIPTION, CURRENT DRAW (A), TOTAL (A), CURRENT DRAW (A), TOTAL (A). Includes sub-tables for secondary standby load and alarm load.

PANEL AFC-1000 (AFC-1000) BATTERY CALCULATION. TABLE WITH COLUMNS: QTY, PART NO., DESCRIPTION, CURRENT DRAW (A), TOTAL (A), CURRENT DRAW (A), TOTAL (A). Includes sub-tables for secondary standby load and alarm load.

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AFK-1000 IO 1 (NAC) POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

AFK-1000 N1 POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

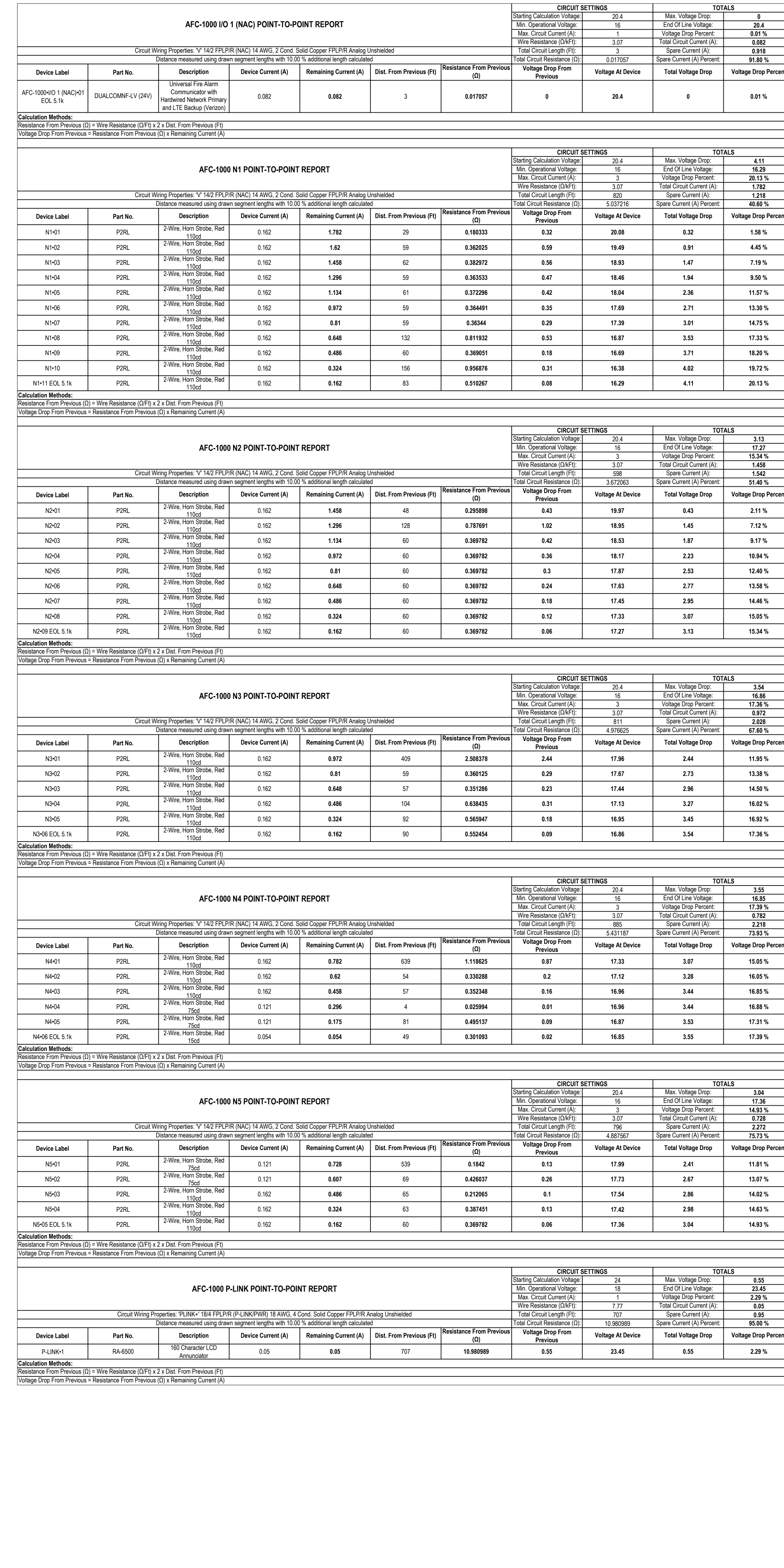
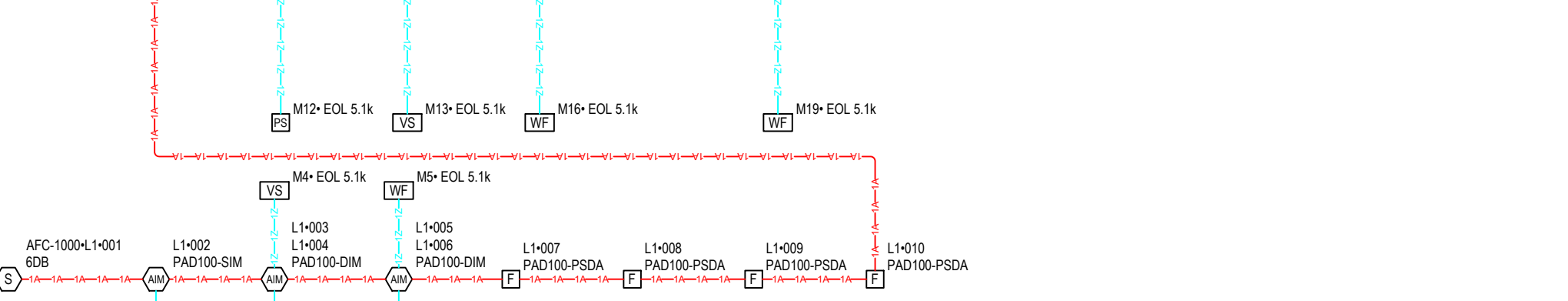
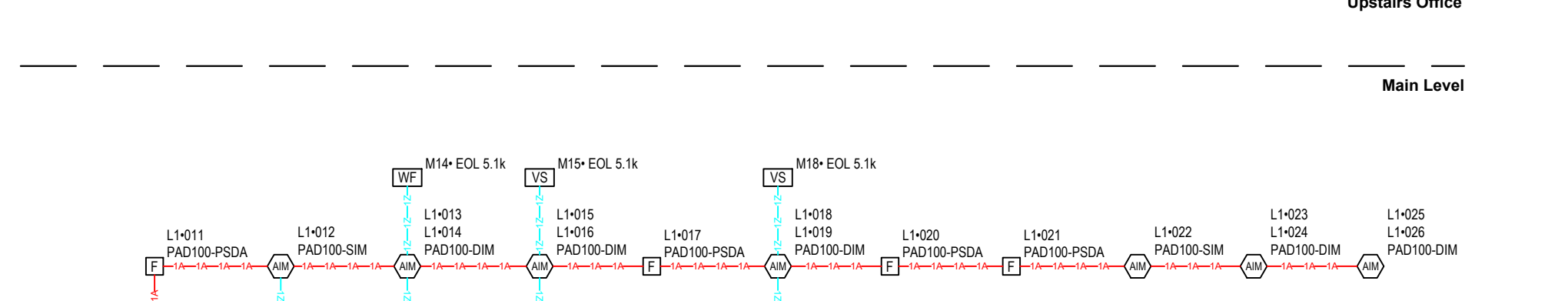
AFK-1000 N2 POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

AFK-1000 N3 POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

AFK-1000 N4 POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

AFK-1000 N5 POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.

AFK-1000 P-LINK POINT-TO-POINT REPORT. TABLE WITH COLUMNS: DEVICE LABEL, PART NO., DESCRIPTION, DEVICE CURRENT (A), REMAINING CURRENT (A), DIST. FROM PREVIOUS (F), RESISTANCE FROM PREVIOUS (D), VOLTAGE DROP FROM PREVIOUS (V), VOLTAGE AT DEVICE, TOTAL VOLTAGE DROP, VOLTAGE DROP PERCENT.



Riser Diagram