

# LEATAATA FLOYD E.S. TELE-CENTER UPGRADE PROJECT

ELEMENTARY SCHOOL  
401 MCCLATCHY WAY  
SACRAMENTO, CA, 95818

EDUCATION INTERCOM AND  
CLOCK SYSTEM REPLACEMENT

Project Number: 0148-464  
Date: 05/19/2023



Guidepost Solutions, LLC -  
Chicago:

2 Prudential Plaza  
180 North Stetson Avenue  
Suite 2025  
Chicago, IL 60601  
312.291.9798

Guidepost Solutions, LLC -  
Dallas

19111 Dallas Parkway  
Suite 170  
Dallas, TX 75287  
469.568.0300

Guidepost Solutions, LLC -  
Honolulu:

55 Merchant Street  
Suite 1440  
Honolulu, HI 96813  
808.206.7127

Guidepost Solutions Limited -  
London:

Central Court  
25 Southampton Buildings  
London WC2A 1AL, United Kingdom  
+44 776 870 4968

Guidepost Solutions, LLC -  
Los Angeles:

707 Wilshire Boulevard  
Suite 3550  
Los Angeles, CA 90017  
213.624.9000

HEADQUARTERS:

260 Madison Avenue  
Third Floor  
New York, NY 10016-2401  
212.817.6700

Guidepost Solutions, LLC -  
Walnut Creek:

2121 N California Blvd  
Suite 900  
Walnut Creek, CA 94596  
510.268.8373

Guidepost Solutions, LLC -  
Miami:

One Southeast Third Avenue  
Suite 1720  
Miami, FL 33131  
786.350.2700

Guidepost Solutions, LLC -  
San Francisco:

315 Montgomery Street  
10th Floor  
San Francisco, CA 94104  
415.616.8822

Guidepost Solutions, LLC -  
Singapore:

1 Fusionopolis Place  
#03-20 Galaxis (West Lobby)  
Singapore 138522  
+65 6809 1286

Guidepost Solutions, LLC -  
Washington, DC:

1130 Connecticut Avenue NW  
Suite 520  
Washington, DC 20036  
202.499.4330

PUBLIC ADDRESS DEVICE AND WIRING LEGEND		
SYMBOLS	DESCRIPTION	NOTES
	EQUIPMENT CABINET, WALL-MOUNTED, EXISTING.	
	COMBINATION CLOCK-SPEAKER PANEL, INTERIOR, WALL-MOUNTED	(1) CAT 6 UTP, WHITE
	SPEAKER, EXTERIOR, WALL-MOUNTED 70V.	(1) 18-2 UNSHIELDED TWISTED PAIR WITH JACKET
	CLOCK, WALL-MOUNTED, EXISTING	
	SPEAKER, WALL MOUNTED, EXISTING.	
	HORN SPEAKER, EXTERIOR, WALL MOUNTED, EXISTING.	

SHEET INDEX	
Sheet Number	Sheet Title
PA0.0	COVER SHEET
PA0.1	PA ELECTRONICS LEGEND & SHEET INDEX
PA2.0.1	PA ELECTRONICS OVERALL DEVICE DEMO SITE PLAN
PA2.0.2	PA ELECTRONICS OVERALL INTERIOR DEVICE PLAN
PA2.0.3	PA ELECTRONICS OVERALL EXTERIOR DEVICE PLAN
PA3.1	PA ELECTRONICS SINGLE LINES MDF ROOM
PA3.2	PA ELECTRONICS SINGLE LINES IDF ROOM 1
PA3.3	PA ELECTRONICS SINGLE LINES IDF ROOM 2
PA3.4	PA ELECTRONICS SINGLE LINES IDF ROOM 3
PA3.5	PA ELECTRONICS SINGLE LINES IDF ROOM 4
PA4.1	PA ELECTRONICS DETAILS
PA4.2	PA ELECTRONICS DETAILS

SEAL:

LEATAATA FLOYD E.S.  
TELE-CENTER UPGRADE  
PROJECT

LEATAATA FLOYD  
ELEMENTARY SCHOOL  
401 MCCLATCHY WAY  
SACRAMENTO, CA, 95818

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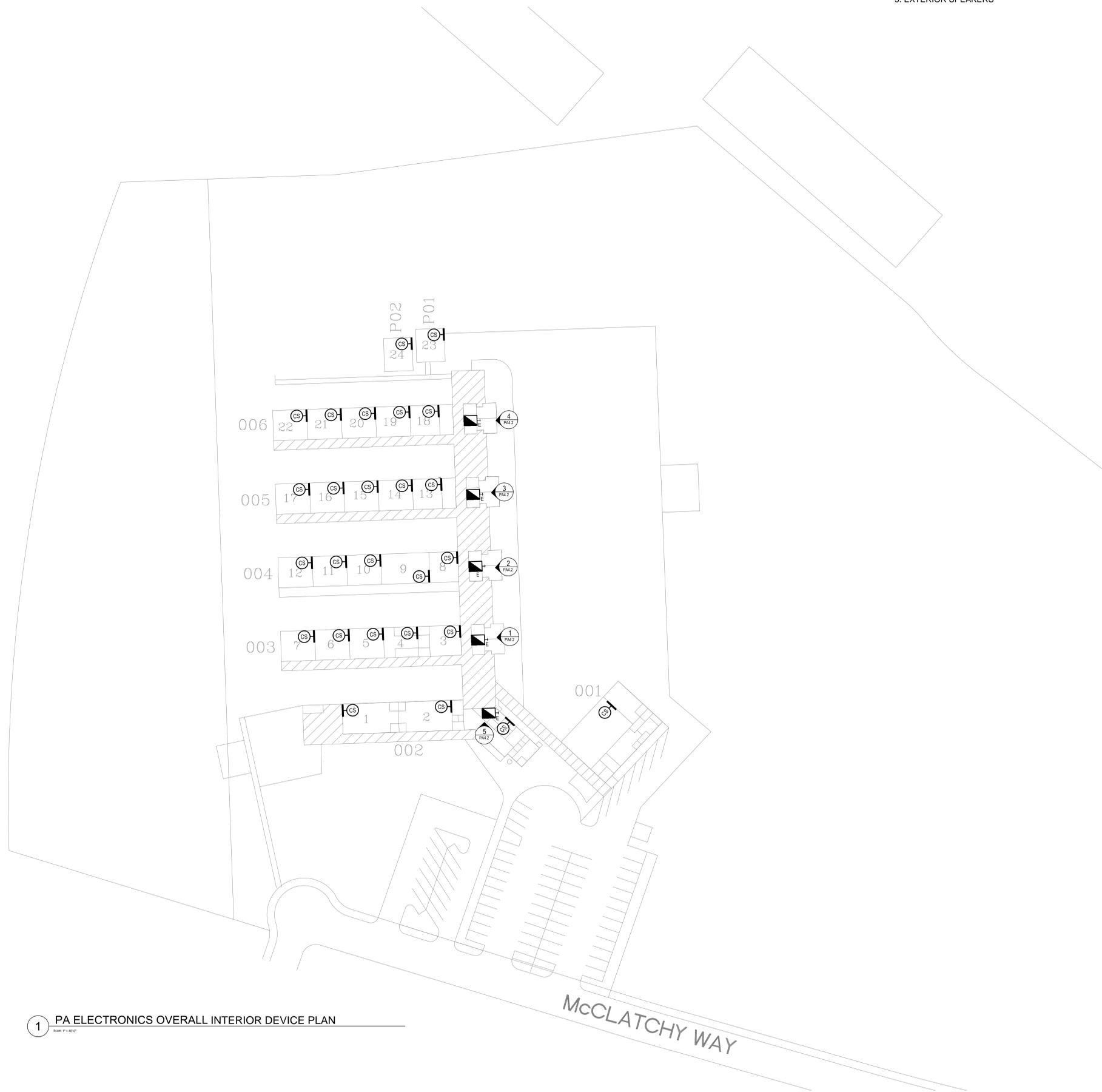
DATE:  
05/19/2023

PROJECT NUMBER:  
0148-464

SHEET TITLE:  
PA ELECTRONICS  
LEGEND & SHEET  
INDEX

SHEET:  
PA0.1





SET SPEAKER LEVEL AT 10 to 12dB ABOVE MEASURED AMBIENT SOUND LEVEL AT CENTER OF TARGETED COVERAGE AREA

SPEAKERS SHALL BE SEPARATE ZONE AS FOLLOWS:

1. ADMINISTRATION BUILDING
2. INTERIOR SPEAKERS
3. INTERIOR SPEAKERS
4. EXTERIOR SPEAKERS
5. EXTERIOR SPEAKERS

**GENERAL NOTES**

1. FINAL DEVICE LOCATIONS TO BE DETERMINED IN FIELD BASED ON CONDITIONS. WHERE AN EXISTING DEVICE IS LOCATED IN THE SAME AREA, THE NEW DEVICE SHOULD REPLACE IN THE SAME LOCATION IF POSSIBLE.
2. INSTALL ALL NEW HEADEND EQUIPMENT IN EXISTING RACKS IN MDF AND IDFS.

**# KEYNOTES**

**Guidepost**  
 2121 N California Boulevard  
 Suite 800  
 Walnut Creek, CA 94596  
 916.206.8373  
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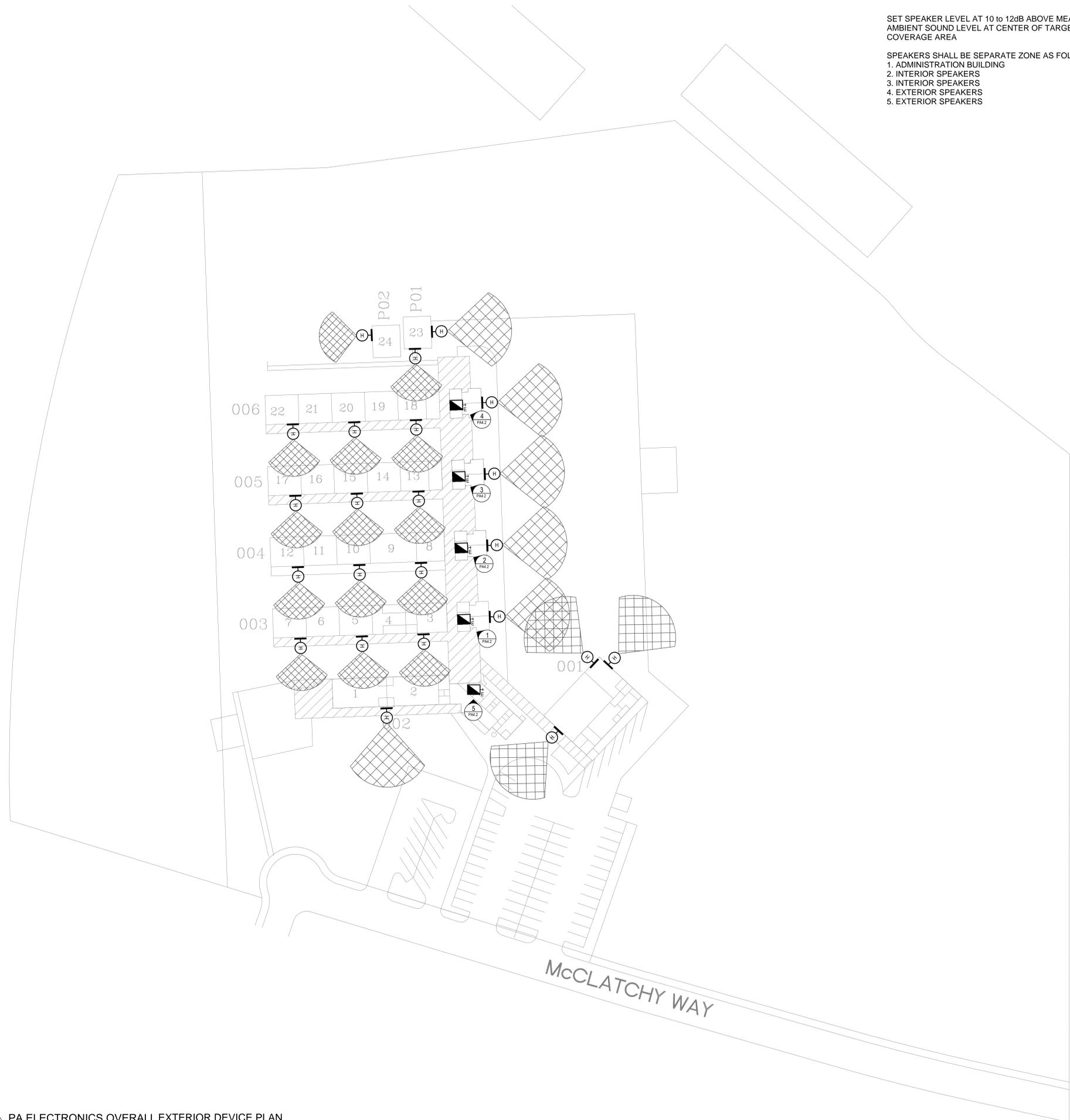
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DATE: 05/19/2023  
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SHEET TITLE:  
**PA ELECTRONICS  
 INTERIOR DEVICE  
 PLAN**

SHEET:  
**PA2.0.2**

**1 PA ELECTRONICS OVERALL INTERIOR DEVICE PLAN**  
SCALE: 1" = 40'-0"



SET SPEAKER LEVEL AT 10 to 12dB ABOVE MEASURED AMBIENT SOUND LEVEL AT CENTER OF TARGETED COVERAGE AREA

SPEAKERS SHALL BE SEPARATE ZONE AS FOLLOWS:

1. ADMINISTRATION BUILDING
2. INTERIOR SPEAKERS
3. INTERIOR SPEAKERS
4. EXTERIOR SPEAKERS
5. EXTERIOR SPEAKERS

**GENERAL NOTES**

1. FINAL DEVICE LOCATIONS TO BE DETERMINED IN FIELD BASED ON CONDITIONS. WHERE AN EXISTING DEVICE IS LOCATED IN THE SAME AREA, THE NEW DEVICE SHOULD REPLACE IN THE SAME LOCATION IF POSSIBLE.

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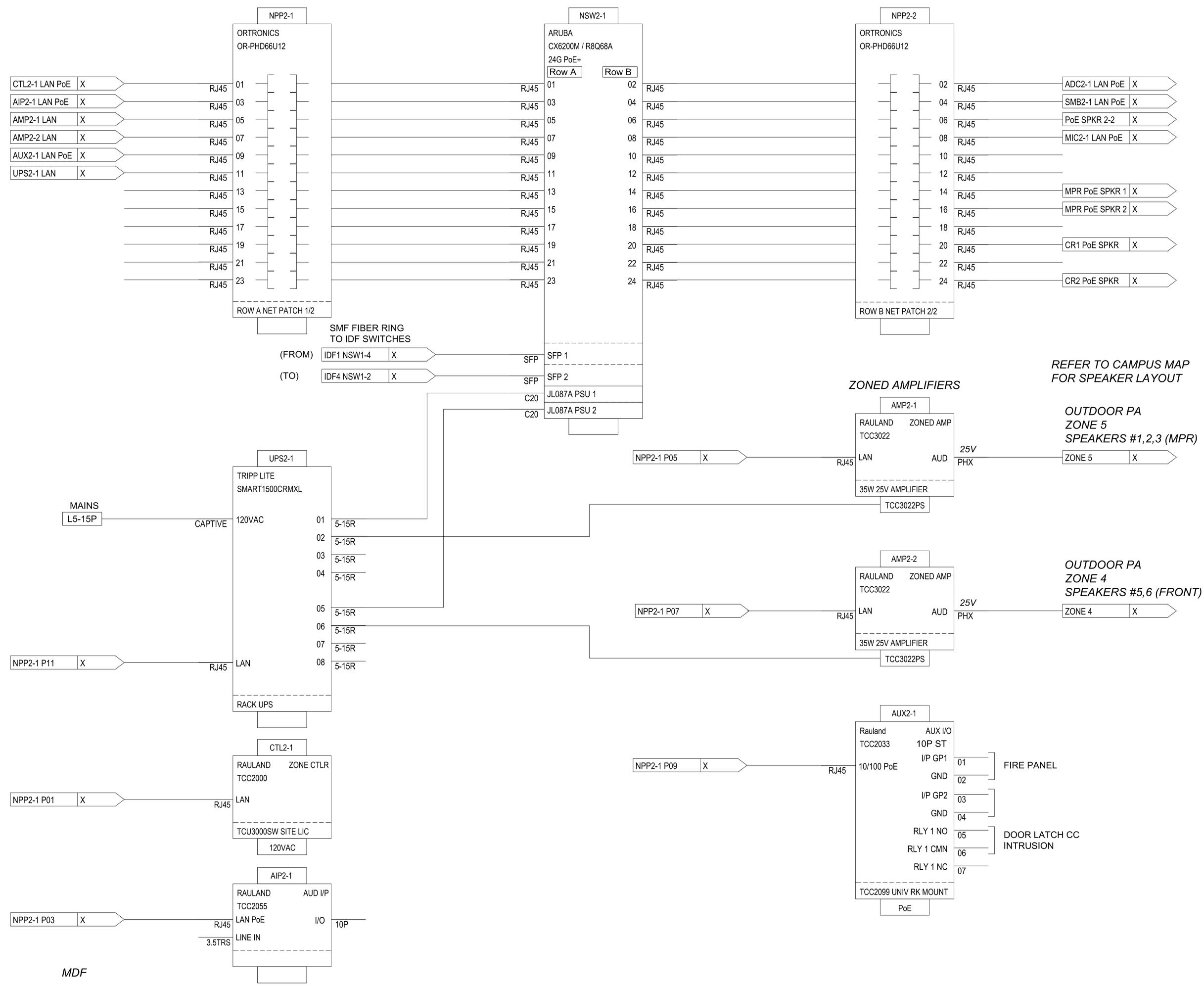
SHEET TITLE:

PA ELECTRONICS  
 EXTERIOR DEVICE  
 PLAN

SHEET:

PA2.0.3

1 PA ELECTRONICS OVERALL EXTERIOR DEVICE PLAN  
 Scale: 1" = 40'



REFER TO CAMPUS MAP  
FOR SPEAKER LAYOUT

OUTDOOR PA  
ZONE 5  
SPEAKERS #1,2,3 (MPR)

OUTDOOR PA  
ZONE 4  
SPEAKERS #5,6 (FRONT)

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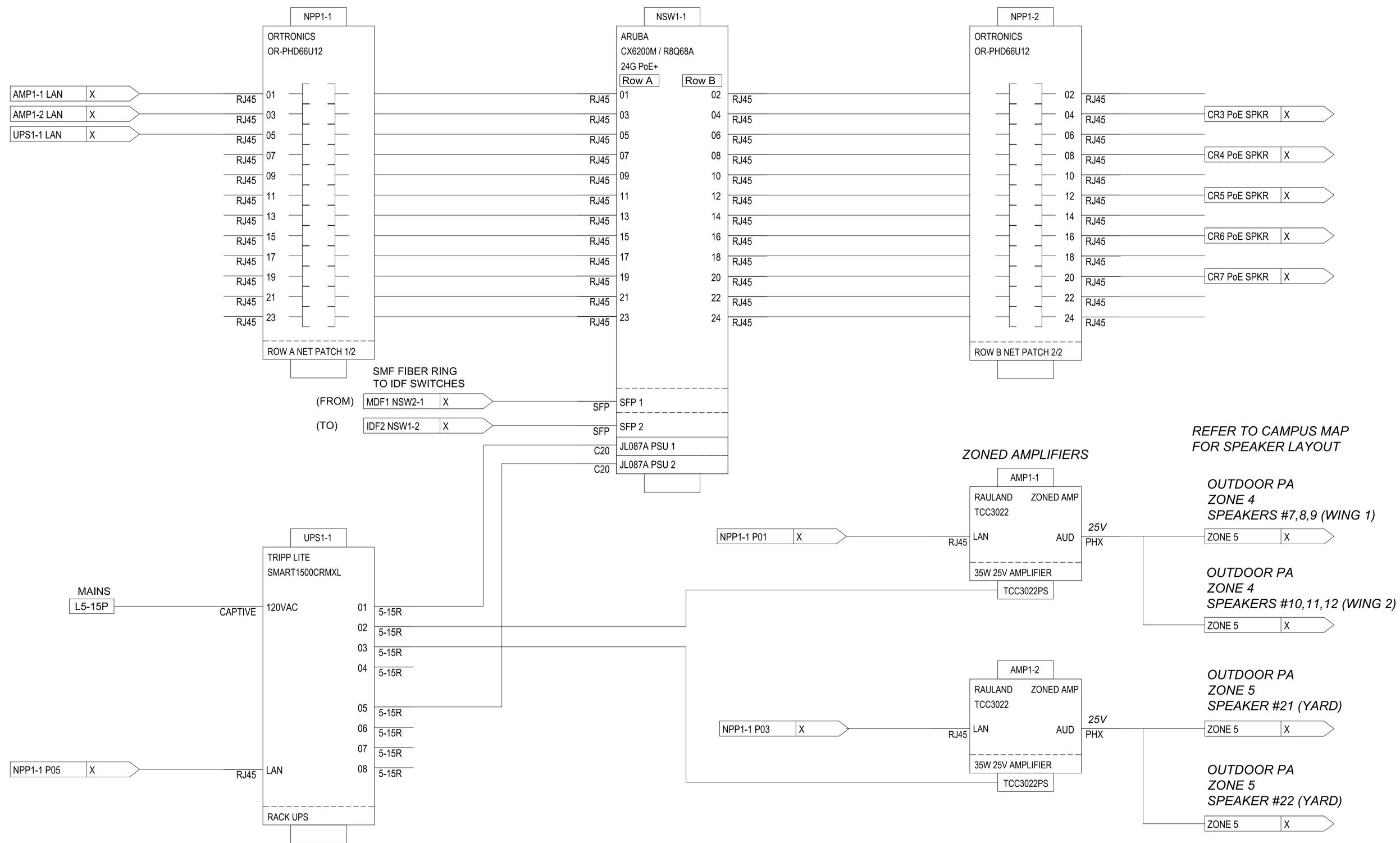
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DATE:  
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0148-464

SHEET TITLE:  
PA ELECTRONICS  
SINGLE LINES MDF  
ROOM

SHEET:  
PA3.1



REFER TO CAMPUS MAP FOR SPEAKER LAYOUT

SEAL:

**LEATAATA FLOYD E.S. TELE-CENTER UPGRADE PROJECT**

LEATAATA FLOYD ELEMENTARY SCHOOL  
 401 MCCLATCHY WAY  
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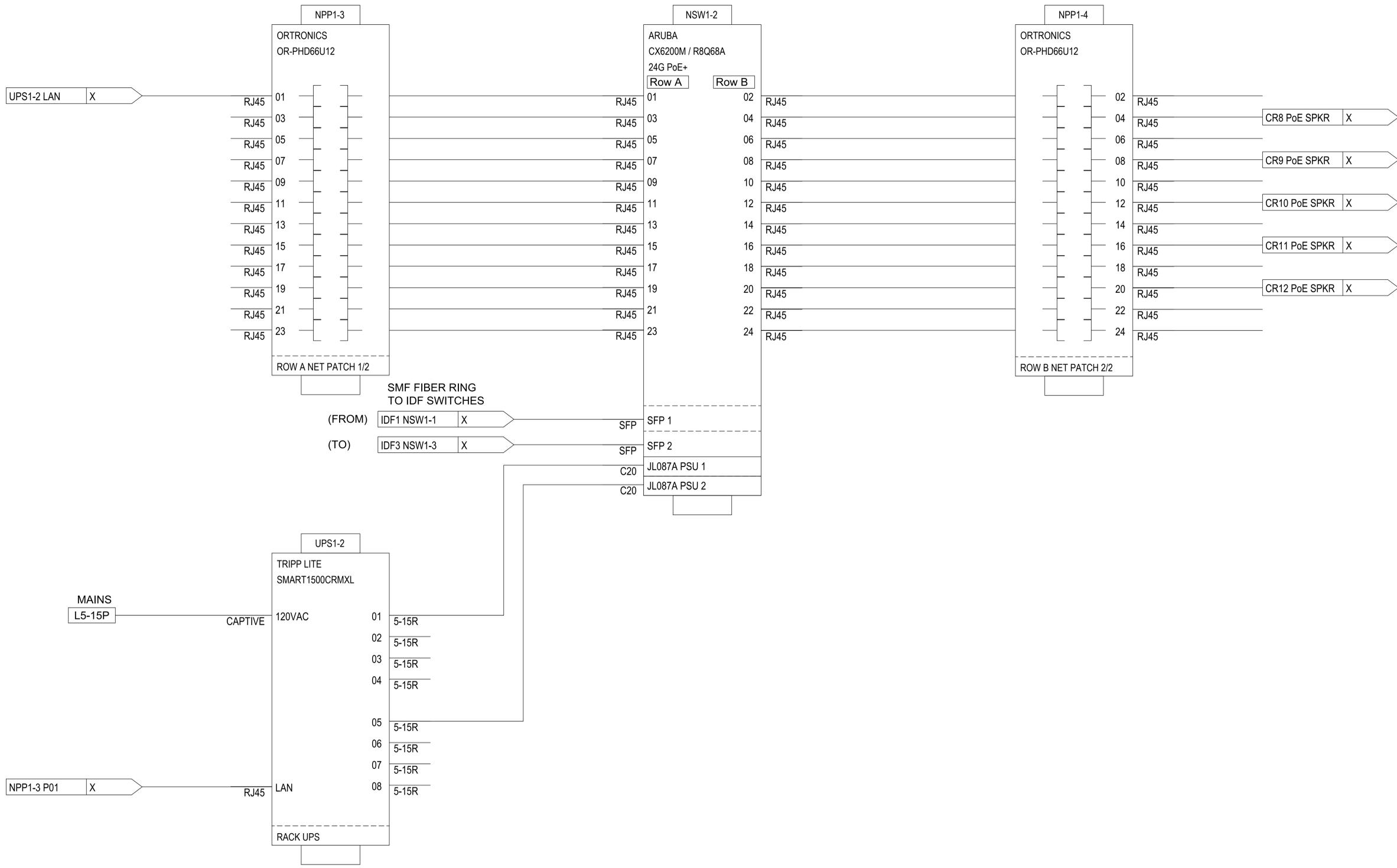
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DATE: 05/19/2023  
 PROJECT NUMBER: 0148-464

SHEET TITLE:  
**PA ELECTRONICS SINGLE LINES IDF ROOM 1**

SHEET:  
**PA3.2**

IDF 1



IDF 2

SEAL:

**LEATAATA FLOYD E.S.  
 TELE-CENTER UPGRADE  
 PROJECT**

**LEATAATA FLOYD  
 ELEMENTARY SCHOOL**  
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DATE: 05/19/2023  
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SHEET TITLE:  
**PA ELECTRONICS  
 SINGLE LINES IDF  
 ROOM 2**

SHEET:  
**PA3.3**

SEAL:

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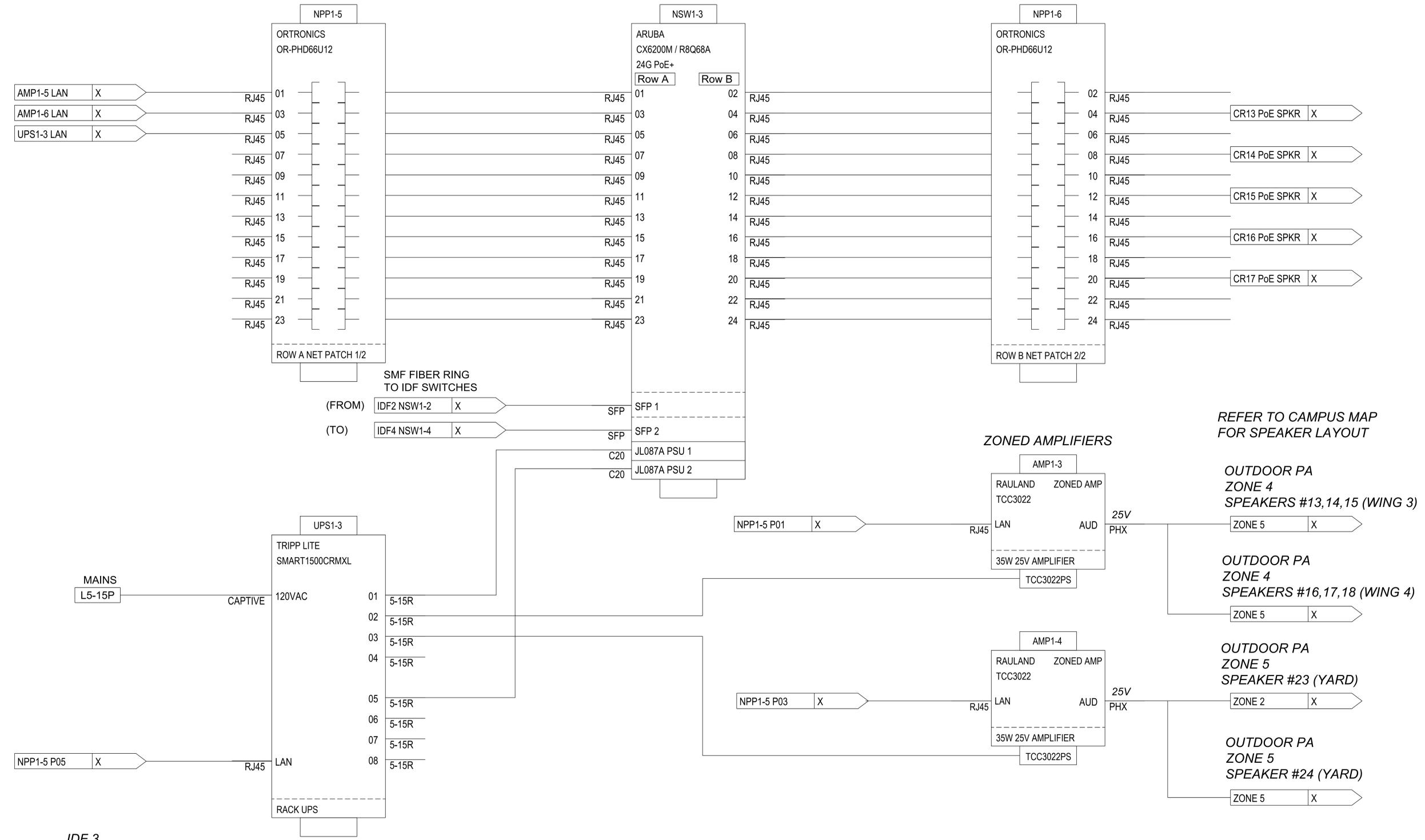
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SHEET TITLE:  
**PA ELECTRONICS  
 SINGLE LINES IDF  
 ROOM 3**

SHEET:  
**PA3.4**



REFER TO CAMPUS MAP  
 FOR SPEAKER LAYOUT

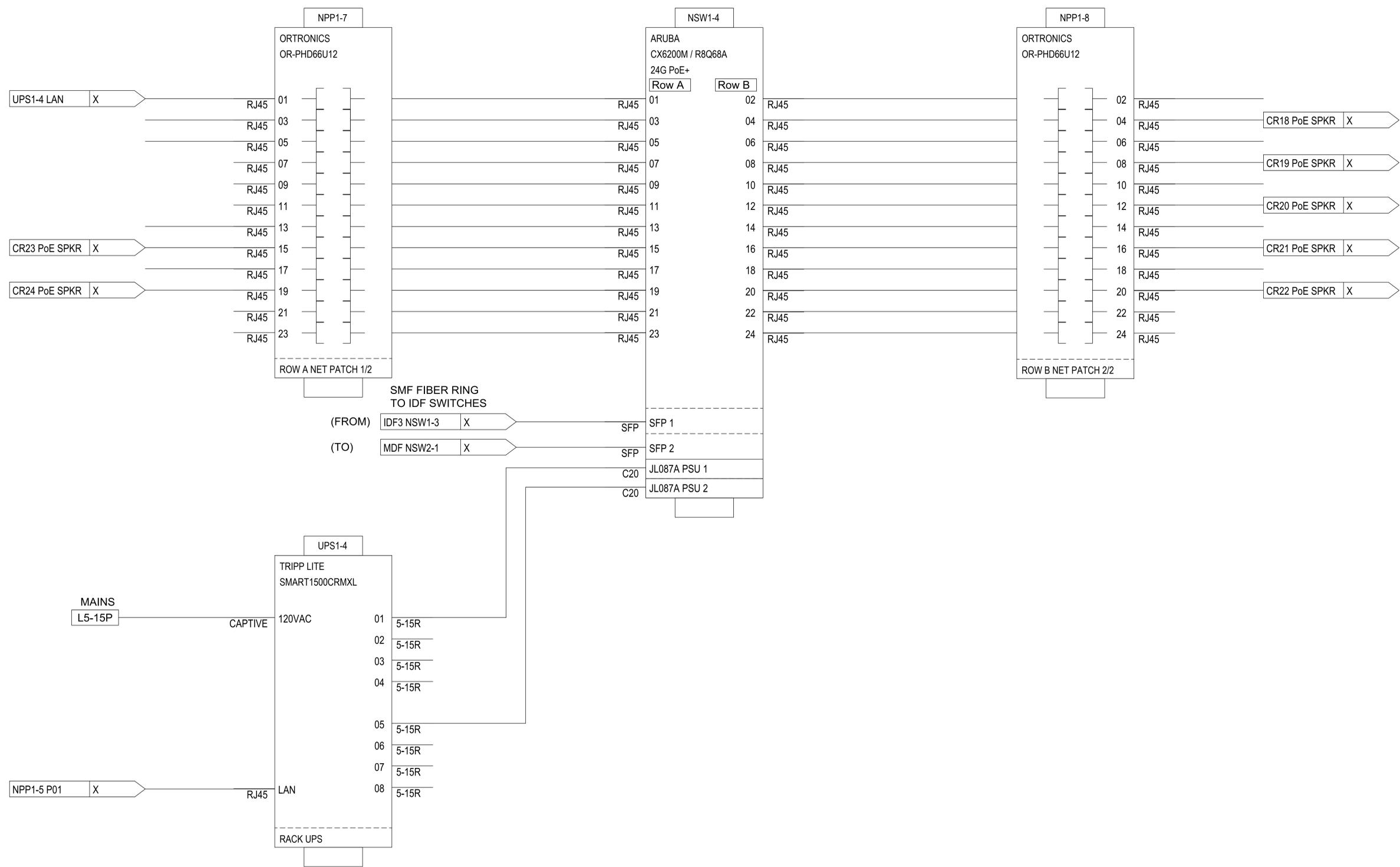
OUTDOOR PA  
 ZONE 4  
 SPEAKERS #13,14,15 (WING 3)

OUTDOOR PA  
 ZONE 4  
 SPEAKERS #16,17,18 (WING 4)

OUTDOOR PA  
 ZONE 5  
 SPEAKER #23 (YARD)

OUTDOOR PA  
 ZONE 5  
 SPEAKER #24 (YARD)

IDF 3



IDF 4

SEAL:

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SHEET TITLE:  
**PA ELECTRONICS  
 SINGLE LINES IDF  
 ROOM 4**

SHEET:  
**PA3.5**

SEAL:

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TELE-CENTER UPGRADE  
PROJECT

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DATE: 05/19/2023

PROJECT NUMBER: 0148-464

SHEET TITLE: PA ELECTRONICS DETAILS

SHEET: PA4.1

**NOTES:**

- INSTALL PER MANUFACTURERS' RECOMMENDATIONS.
- LOWELL VRG-LUH15TX OUTDOOR UNIHORN WITH VANDAL-RESISTANT GRILLE, TAPPED AT 25V @ 1.9W FOR SCHOOL INTERCOM SYSTEMS. CONICAL BEAM ANGLE: 85°.
- LOWELL CB84-SGVPO OUTDOOR-RATED SURFACE MOUNT ENCLOSURE, PART NO. 24588 6" DEEP ENCLOSURE WITH 24152 PRESS NUTS, 24107 11.5" x 11.5" FIBERGLASS BATTING. WALL MOUNTING SCREWS FURNISHED BY CONTRACTOR.
- ALL DETAIL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REQUIRE COORDINATION IN FIELD FOR FINAL INSTALLATION.

16AWG TO AMP IN IDF CLOSET OR NEXT PA SPEAKER

VRG-8 LUH15TX

24588

OUTDOOR PA HORN - MOUNTING DETAIL 2 NTS 4

**NOTES:**

- EXISTING EQUIPMENT CABINET FITTED WITH 24G MANAGED PoE+ SWITCH, CAT6 NETWORK PATCH, NETWORKED AMPLIFIER AND 1500VA UPS, TYP OF 4 LOCATIONS.

IDF AV CABINET (E)

10 ORTRONICS ORP2000/12 24G PoE+ SWITCH 12U

9 ARUBA CX 600 24G RIBOSA 24G PoE+ SWITCH 12U

8 ORTRONICS ORP2000/12 24G PoE+ SWITCH 12U

7 RAILAND TCC2011 IP CLASSROOM MODULE RAILAND TCC2011 IP CLASSROOM MODULE RAILAND TCC2011 IP CLASSROOM MODULE 12U

6

5 RAILAND TCC2011 200 20V 8000 AMP 200 20V 8000 AMP 12U

4

3

2 TRIPP LITE SMARTTODRAG SMARTTODRAG 12U

1

IDF CABINET EQUIPMENT ELEVATION NTS 2

**NOTE:** INSTALL PER MANUFACTURERS' RECOMMENDATIONS.

- RAILAND ACC2011S MESSAGE BOARD AND 8" SPEAKER BAFFLE ASSEMBLY WITH US0680 8Q SPEAKER MOUNTED TO ACC2011S8B SURFACE MOUNT BACKBOX.
- RAILAND TCC2011S SMALL DIGITAL MESSAGE BOARD / CLOCK
- SURFACE MOUNT BAFFLE SPEAKER USING WALL ANCHORS IN CONJUNCTION WITH WALL COMPOSITION. ROUTE (1) CAT6 TO IDF VIA SURFACE MOUNTED NON-METALLIC RACEWAY AND ADAPTER AS SHOWN.
- CONNECT CAT6 CABLE TO RAILAND TCC2011A IP CLASSROOM MODULE, INSTALLED INSIDE BAFFLE WITH PROVIDED MOUNT.

14-1/4"

14-3/4"

ACC2011S MESSAGE BOARD AND 8" SPEAKER BAFFLE ASSEMBLY

WIRE MOLD PANEL SURFACE RACEWAY

WIRE MOLD (P/N)P21 ENTRANCE END CONDUIT ADAPTER

CUT IN RING FOR W/ STUDS AND LOCKNUTS

TEX SCREWS (OR EQUIV.)

HEIGHT A.F.F. V.I.F.

3-1/4"

SHOWN AT SCALE 4:1

ALL DETAIL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REQUIRE COORDINATION IN FIELD FOR FINAL INSTALLATION.

SURFACE MOUNT SPEAKER AND DIGITAL CLOCK ASSEMBLY NTS 5

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- ALL DETAIL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND REQUIRE COORDINATION IN FIELD FOR FINAL INSTALLATION.

EXTERIOR LOCATIONS ABOVE CLASSROOM WINDOWS

VRG-8

3.25

24588

OUTDOOR PA HORN - MOUNTING DETAIL 1 NTS 3

**NOTES:**

- EXISTING EQUIPMENT CABINET FITTED WITH 24G MANAGED PoE+ SWITCH, CAT6 NETWORK PATCH, TELECENTER INTERFACE MODULES, NETWORKED AMPLIFIERS AND 1500VA UPS, TYP OF 1 LOCATION.

MDF AV CABINET (E)

10 ORTRONICS ORP2000/12 24G PoE+ SWITCH 12U

9 ARUBA CX 600 24G RIBOSA 24G PoE+ SWITCH 12U

8 ORTRONICS ORP2000/12 24G PoE+ SWITCH 12U

7 RAILAND TCC2011 IP CLASSROOM MODULE RAILAND TCC2011 IP CLASSROOM MODULE RAILAND TCC2011 IP CLASSROOM MODULE 12U

6

5 RAILAND TCC2011 200 20V 8000 AMP 200 20V 8000 AMP 12U

4

3

2 TRIPP LITE SMARTTODRAG SMARTTODRAG 12U

1

MDF CABINET EQUIPMENT ELEVATION NTS 1

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SHEET TITLE:  
PA ELECTRONICS  
DETAILS

SHEET:  
PA4.2



EXISTING INTERIOR SPEAKER AND CLOCK (TYPICAL)

NTS

6



EXISTING IDF ROOM 4

NTS

4



EXISTING IDF ROOM 2

NTS

2



EXISTING INTERIOR SPEAKER (TYPICAL OF 6)

NTS

7



EXISTING MDF ROOM

NTS

5



EXISTING IDF ROOM 3

NTS

3



EXISTING INTERIOR SPEAKER (TYPICAL OF 4)

NTS

8



EXISTING IDF ROOM 1

NTS

1