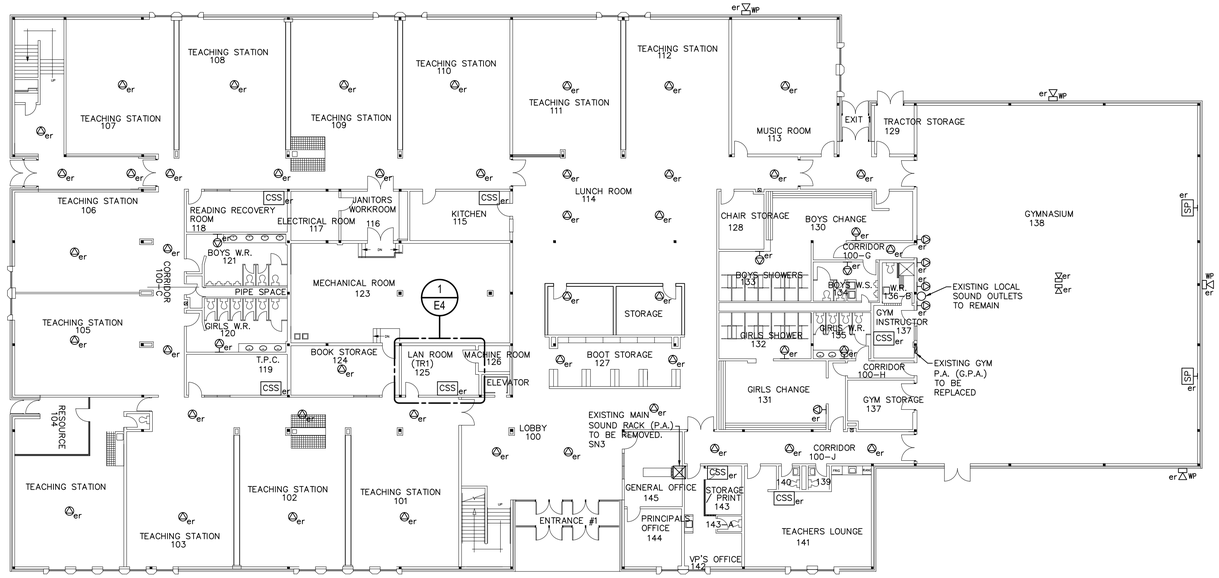
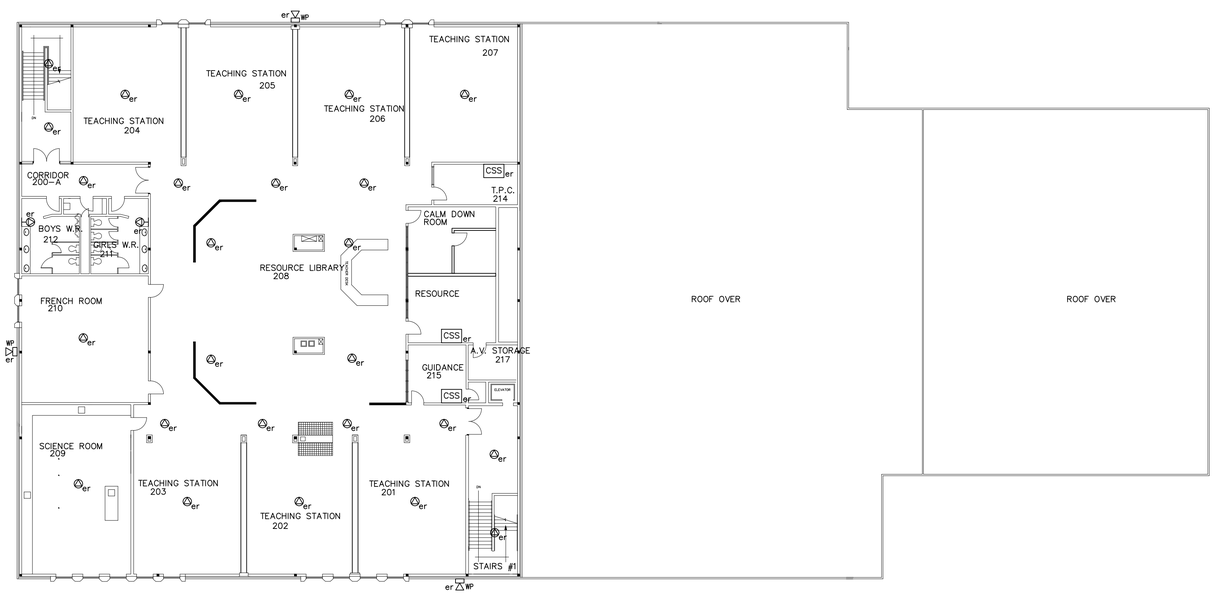


1 E1 LEVEL 1 PA SYSTEM DEMO FLOOR PLAN

SCALE : 1:200



2 E1 LEVEL 2 PA SYSTEM DEMO FLOOR PLAN

SCALE : 1:200

LEGEND:

MS	MASTER CONTROL STATION
CS	REMOTE CALL STATION
CSS	REMOTE CALL STATION/SPEAKER IN A 3 GANG BOX
HS	REMOTE HAND SETS
	CEILING SPEAKERS
	SURFACE MOUNT SPEAKER MOUNTED TO STRUCTURE/CEILING
	WALL SPEAKER
SP	LOCAL PA WALL MOUNTED LOUDSPEAKER
SP	LOCAL PA FLOWN LOUDSPEAKER
WP	EXTERIOR HORN
	INTERIOR HORN
	INTERIOR STROBE
	CAT6 CABLES C/W RJ45 MALE ENDS
	SIDE ENTRY BOX, 2 PORT
	LOCAL PA SYSTEM
	CAT6(PA) OR CAT5E(VOICE) DROP IN OUTLET BOX
e	EXISTING
er	EXISTING TO BE REMOVED
re	EXISTING TO BE RELOCATED

NOTES:

1.) WHERE WALL MOUNTED SPEAKERS ARE REPLACED BY CEILING MOUNTED SPEAKERS PROVIDE BLANK PLATES TO COVER OPENINGS IN WALL AND PAINT TO MATCH WALL COLOR.

2.) ALL EXISTING WIRING FOR PUBLIC ADDRESS SYSTEM TO BE REMOVED, EXISTING CONDUITS TO REMAIN.

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No. 383
March 18/21
PRINCE EDWARD ISLAND

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MARCH 18, 2021

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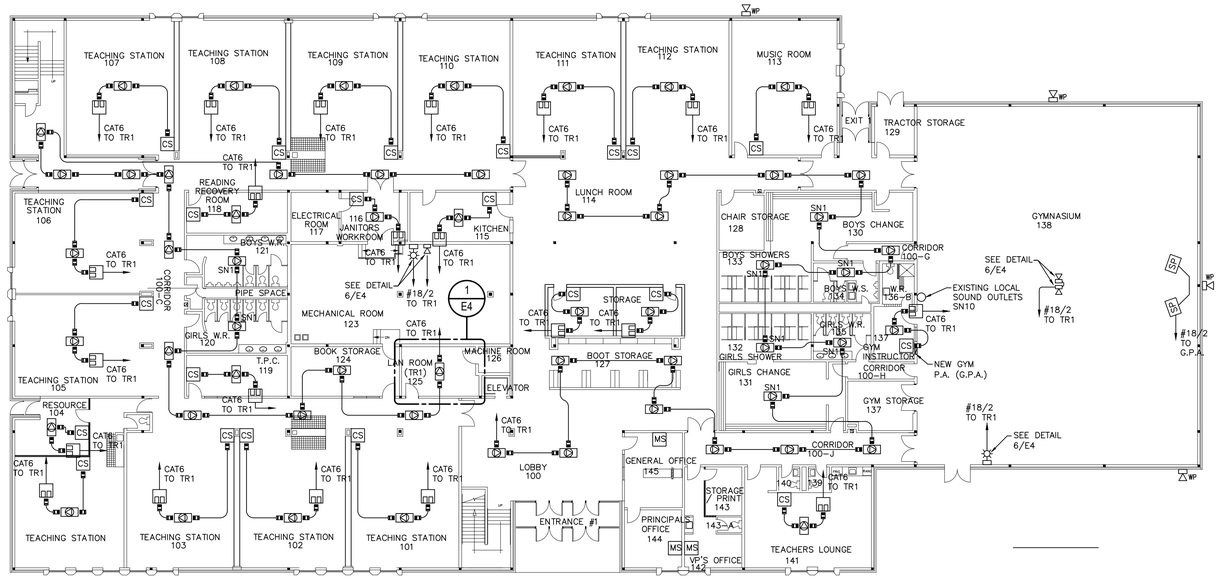
A = Detail #
BB = Sheet # (Where Detail Required)
CC = Sheet # (Where Detailed)

Project Title :
Greenfield Elementary School Public Address System Upgrade

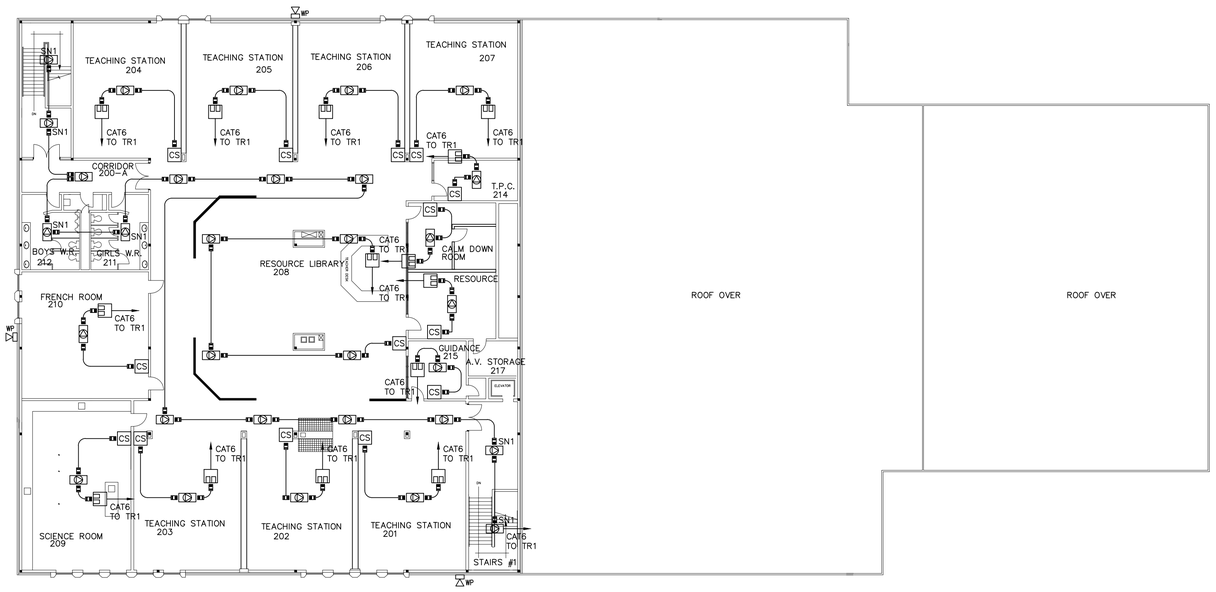
Drawing Title :
Level 1 and Level 2 Public Address System Demo Floor Plan

Scale : AS NOTED	Design By : JPG
Drawn By : JH	Date : MARCH 2021
Project No.: 610-21004 (RAL #2021004)	Drawing # : E1 of E4



1 / E2 LEVEL 1 PA SYSTEM NEW FLOOR PLAN

SCALE : 1:200



2 / E2 LEVEL 2 PA SYSTEM NEW FLOOR PLAN

SCALE : 1:200

LEGEND:

MS	MASTER CONTROL STATION
CS	REMOTE CALL STATION
CSS	REMOTE CALL STATION/SPEAKER IN A 3 GANG BOX
HS	REMOTE HAND SETS
	CEILING SPEAKERS
	SURFACE MOUNT SPEAKER MOUNTED TO STRUCTURE/CEILING
	WALL SPEAKER
SP	LOCAL PA WALL MOUNTED LOUDSPEAKER
SP	LOCAL PA FLOWN LOUDSPEAKER
WP	EXTERIOR HORN
	INTERIOR HORN
	INTERIOR STROBE
	CAT6 CABLES C/W RJ45 MALE ENDS
	SIDE ENTRY BOX, 2 PORT
	LOCAL PA SYSTEM
	CAT6(PA) OR CAT5E(VOICE) DROP IN OUTLET BOX
e	EXISTING
er	EXISTING TO BE REMOVED
re	EXISTING TO BE RELOCATED

NOTES:

1.) FOR MOUNTING OF SPEAKERS IN DRYWALL CEILING REFER TO DETAIL 6/E4

2.) A LIFT WILL BE REQUIRED IN GYMNASIUM, CAFETERIA AND SHOPS TO INSTALL CEILING MOUNTED SPEAKERS AND WIRING. WHEN USING A LIFT IN THE GYM AND CAFETERIA ¾" PLYWOOD MUST BE LAID DOWN TO PROTECT THE FLOORING. WIRING CAN BE RUN LOOSE ALONG FLANGE OF JOISTS BUT IN OTHER EXPOSED AREAS THE WIRING SHALL BE IN CONDUIT.

3.) NEW T-BAR TEES WILL NEED TO BE INSTALLED FOR ALL LAY-IN SPEAKERS AND SPEAKERS SHALL BE SUPPORTED INDEPENDENTLY FROM THE T-BAR SUPPORTS.

4.) NEW CEILING TILES WILL BE REQUIRED WHERE EXISTING SPEAKERS ARE REMOVED AND/OR NEW SPEAKERS ARE INSTALLED. CEILING TILES TO MATCH EXISTING TYPE.

5.) ALL WIRING IN AREAS WITH EXPOSED CEILINGS (i.e. SHOPS AND MECHANICAL ROOMS) SHALL BE IN CONDUIT.

6.) SUPPLY AN ADDITIONAL 48 TILES TOTAL FOR BROKE/DAMAGED TILES DURING CONSTRUCTION AND ANY UNUSED TILES WILL BE TURNED OVER TO THE SCHOOL.

7.) TO MAINTAIN THE SCHOOL COMMUNICATIONS AND "LOCK DOWN" PROCEDURES THE EXISTING PA SYSTEM IS TO BE KEPT OPERATIONAL UNTIL IT CAN BE REPLACED WITH THE NEW SYSTEM.

8.) ALL INTERIOR HORNS SHALL BE WIRED WITH #18/2.

9.) ALL EXTERIOR HORNS SHALL BE WIRED WITH #16/2.

10.) EXISTING LOCAL AV OUTLETS TO REMAIN. REWIRE THRU SWITCH SO THAT SOUND CAN BE FROM EITHER THE NEW LOCAL PA OR THROUGH EXISTING OUTLETS.

11.) CONFIRM LOCATION OF ALL CALL SWITCHES WITH SCHOOL BEFORE ROUGH-IN.

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Project Title :

Greenfield Elementary School Public Address System Upgrade

Drawing Title :

Level 1 and Level 2 Public Address System New Floor Plan

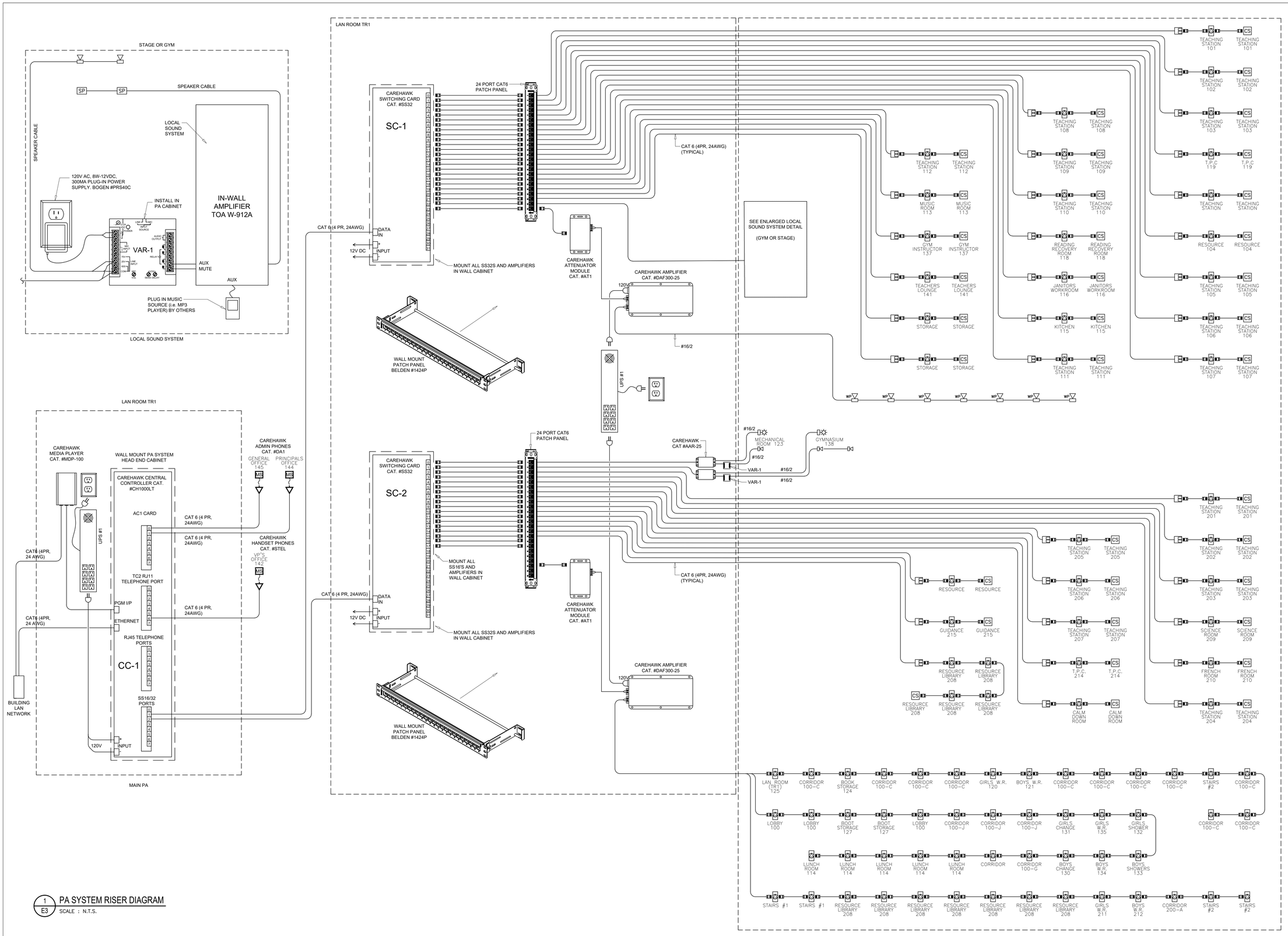
Scale : AS NOTED	Design By : JPG
Drawn By : JH	Date : MARCH 2021
Project No.: *610-21004 (RAL #2021004)*	Drawing # : *E2* of *E4*

METRIC A1 AEC

Z:\2021\21001-21199\2021004 - GREENFIELD ELEMENTARY SCHOOL PA UPGRADE\2021004 TENDER DWG\S\2-E1-E5.DWG

839.9mm x 593.4mm 2.755' x 1.946'

METRIC A1 AEC



1 E3 PA SYSTEM RISER DIAGRAM

SCALE : N.T.S.

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Project Title :

Greenfield Elementary School Public Address System Upgrade

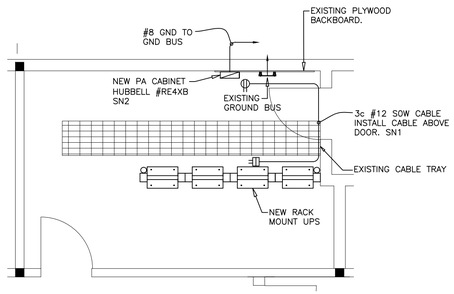
Drawing Title :

Public Address System Riser Diagram

Scale : AS NOTED	Design By : JPG
Drawn By : JH	Date : MARCH 2021
Project No.: 610-21004 (RAL #2021004)	Drawing # : E3 of E4

Z:\2021\21001-21199\2021004 - GREENFIELD ELEMENTARY SCHOOL PA UPGRADE\2021004 TENDER DWGS\21004 - E1-E5.DWG

839.9mm x 593.4mm 2.755' x 1.946'

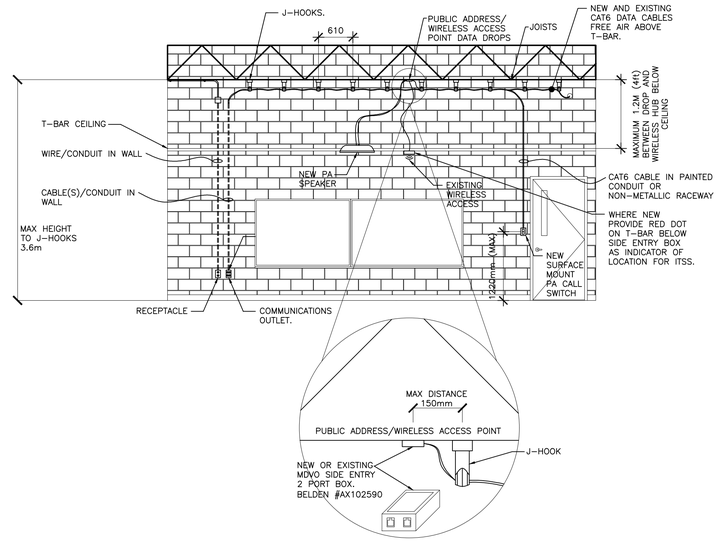


NOTES:

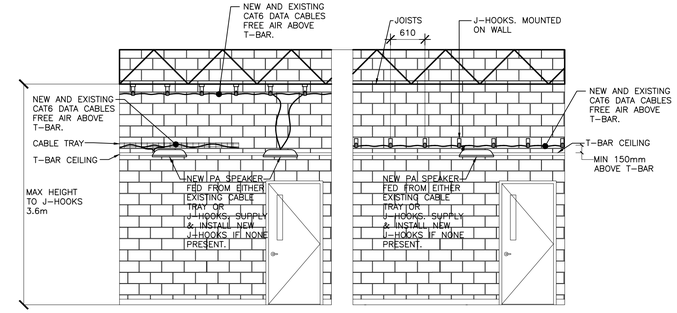
1.) INSTALL A 41mm EMT CONDUIT FROM BACKBOARD UP TO CEILING AND BACK DOWN TO BOTTOM OF RACKS AT THE WALL. INSTALL SOW CABLE IN CONDUIT FOR UPS PLUG IN.

2.) PROVIDE AND INSTALL A TRIPPLITE #RS-1215-RA POWER STRIP IN CABINET.

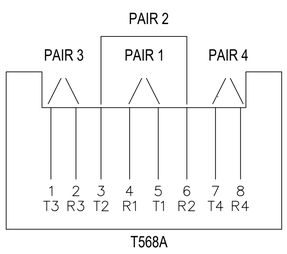
1 / E4 ENLARGED TR1 PLAN
SCALE : 1:50



2 / E4 TYPICAL CLASSROOM ELEVATION - COMMUNICATIONS WIRING
SCALE : N.T.S.



3 / E4 TYPICAL CORRIDOR ELEVATION - COMMUNICATIONS WIRING
SCALE : N.T.S.



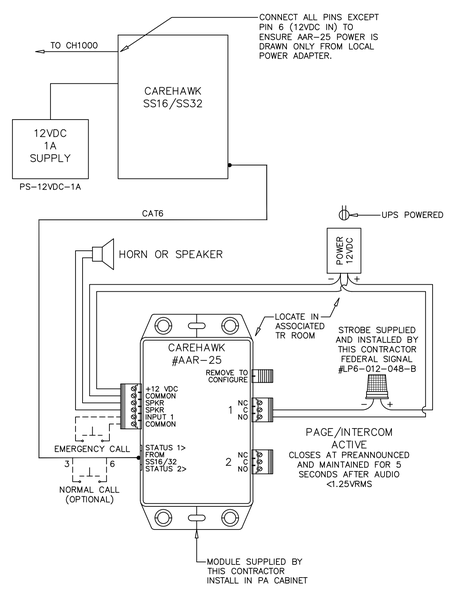
COLOR CODING:

T3 WHITE/GREEN	T1 WHITE/BLUE
R3 GREEN	R2 ORANGE
T2 WHITE/ORANGE	T4 WHITE/BROWN
R1 BLUE	R4 BROWN

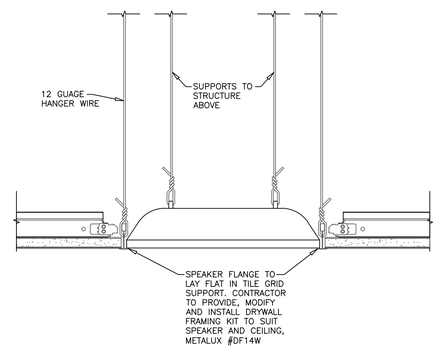
NOTE:

THE ELECTRONICS INDUSTRY ASSN. HAS DESIGNATED THE FOLLOWING PIN/PAIR ASSIGNMENTS AS THEIR PREFERRED SEQUENCE.

4 / E4 JACK RJ45 TERMINATIONS
SCALE : NA.



5 / E4 STROBE WIRING DETAIL
SCALE : N.T.S.



6 / E4 SPEAKER MOUNTING DETAIL IN DRYWALL
SCALE : N.T.S.

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Project Title :
Greenfield Elementary School Public Address System Upgrade

Drawing Title :
Enlarged Communications Rooms & Details

Scale : AS NOTED	Design By : JPG
Drawn By : JH	Date : MARCH 2021
Project No.: 610-21004 (RAL #2021004)	Drawing # : E4 of E4