## DESIGNATION SYMBOLS

123

EQUIPMENT DESIGNATORS SEE SCHEDULE.

EXISTING TO REMAIN, EXISTING TO BE REMOVED

EXISTING TO BE RELOCATED, FUTURE NEW, CONNECT TO

 $\langle N \rangle$ 

**REVISION NOTE** 

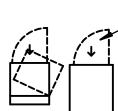
NOTE

1 1101

**DETAIL CALLOUT** 

DEVICE MOUNTED ABOVE COUNTER

# PATHWAYS AND EQUIPMENT



- ARROW INDICATES AIRFLOW AT FRONT OF RACK (TYP)

RACK (19") ENCLOSURE: WALL MOUNT, FLOOR MOUNT

## **AUDIOVISUAL**

**VOLUME CONTROL: WALL** 

SPEAKER: WALL, CEILING. "A" AV SYSTEMS, "PA" PUBLIC

ADDRESS/INTERCOM SYSTEMS

SPEAKER: HIGH OUTPUT. "A" AV SYSTEMS, "PA" PUBLIC ADDRESS/INTERCOM SYSTEMS

# **TELECOMMUNICATIONS**

**OUTLET TYPE: DATA** 

OUTLET TYPE: COMBINATION TELEPHONE/DATA



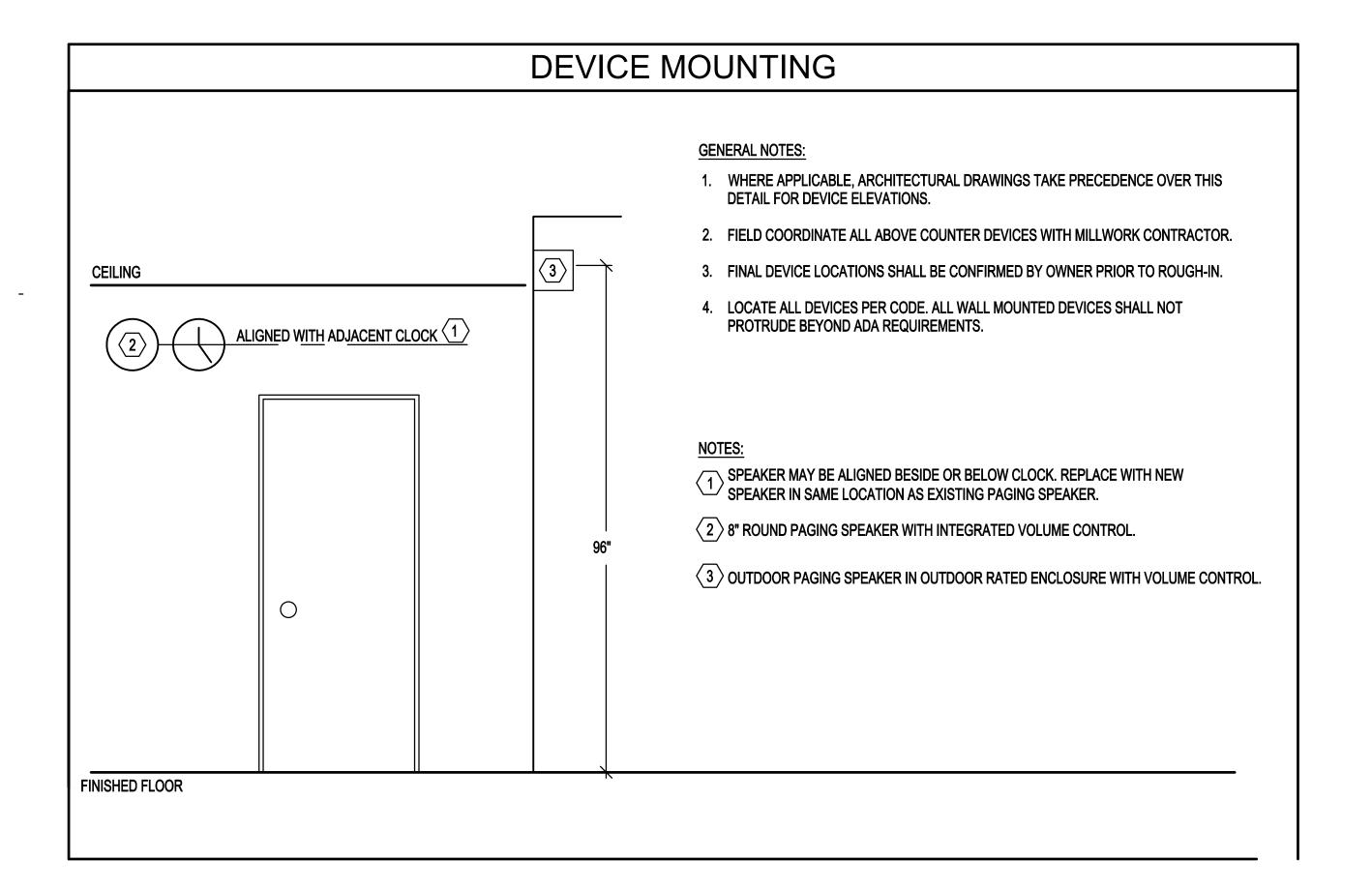
OUTLET MOUNTING: FLOOR BOX, WALL, ABOVE COUNTER, CEILING REQUIREMENTS

DATA CONNECTION FOR DEVICE. SEE DETAILS AND SPECIFICATIONS

FOR ADDITIONAL REQUIREMENTS.

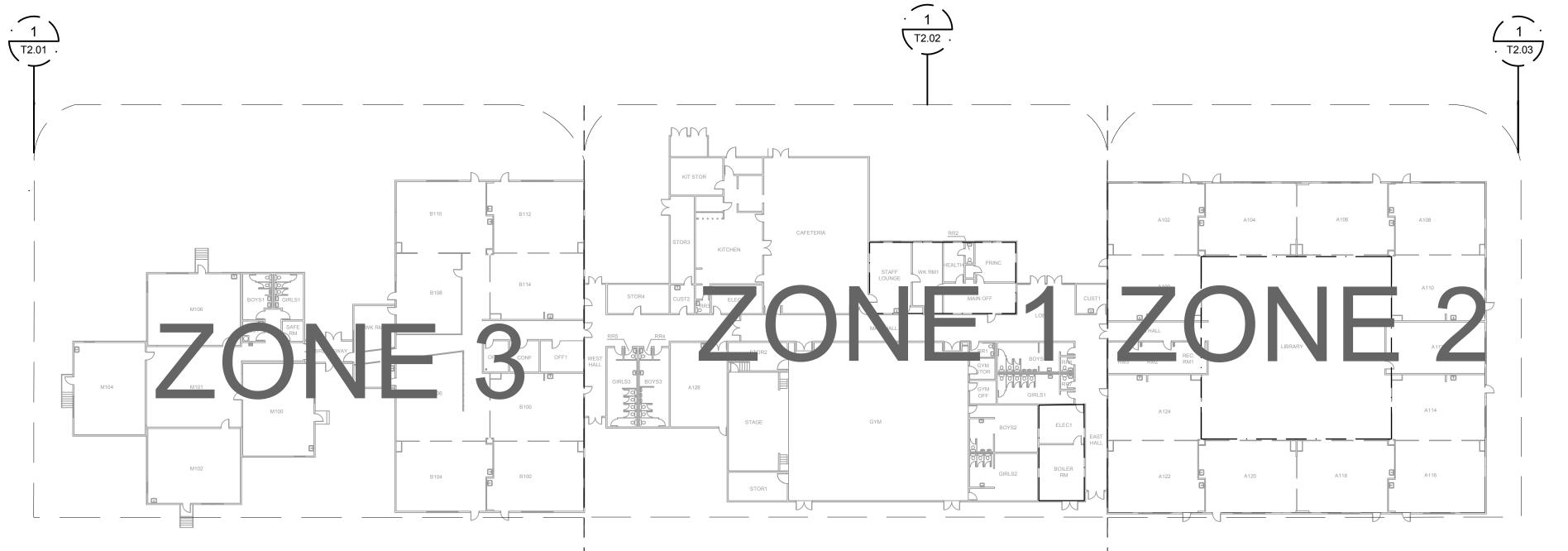
**CONSOLIDATION POINT** 

|       | SHEET LIST                                      |
|-------|---|
| T0.01 | SYMBOLS, LEGENDS AND ABBREVIATIONS - TECHNOLOGY |
| T2.01 | FLOOR PLAN SECTOR 1 - TECHNOLOGY                |
| T2.02 | FLOOR PLAN SECTOR 2 - TECHNOLOGY                |
| T2.03 | FLOOR PLAN SECTOR 3 - TECHNOLOGY                |
| T6.01 | DETAILS - TECHNOLOGY                            |
| T7.01 | DIAGRAMS - TECHNOLOGY                           |
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#### **GENERAL NOTES:**

- A. THIS IS A STANDARD LEGEND SHEET, THEREFORE SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.
- B. AT THE START OF CONSTRUCTION, DEVELOP COMPLETE SURVEY PLAN OF THE EXISTING PAGING SYSTEMS NOTING CEILING HEIGHTS, AND PAGING SPEAKER LOCATIONS WITH MOUNTING HEIGHTS, AND INDICATE ROUTING OF ALL WIRING FOR THESE SYSTEMS. NOTE DETAILS ABOUT THE EXISTING INSTALLATION OF USE DURING PLANNING AND INSTALLATION OF THE NEW PAGING SYSTEMS.
- C. ONCE SURVEY PLAN IS COMPLETE AND REVIEWED BY DISTRICT PROJECT MANAGER, PROCEED WITH THE DEMOLITION OF EXISTING PAGING SPEAKERS. DEMOLISH THE ASSOCIATED WIRING, AND WHERE EXPOSED, DEMOLISH THE ASSOCIATED RACEWAY. WHERE EXISTING SPEAKERS ARE PART OF AN EXISTING RECESSED ENCLOSURE ASSEMBLY, THE EXISTING ENCLOSURE IS TO REMAIN.
- D. DEVELOP SHOP DRAWINGS FOR REVIEW BY DISTRICT PROJECT MANAGER, THAT SHOW THE ROUTE OF ALL NEW PAGING WIRING, PAGING SPEAKER LOCATIONS, TYPES, ACCESSORIES, AND EQUIPMENT, SUCH AS PAGING ZONE CONTROLLERS, AMPLIFIERS, AND NETWORK SWITCHES.
- E. PROVIDE NEW PAGING WIRING INCLUDING CONNECTIONS BETWEEN SPEAKERS AND AMPLIFIERS, AMPLIFIERS AND ZONE CONTROLLERS, ZONE CONTROLLERS AND POE SWITCHES, AND COORDINATE WITH DISTRICT IT REPRESENTATIVE TO PROVIDE CONNECTIONS FROM PAGING SYSTEM SWITCHES TO FACILITY VOIP NETWORK AND PC WORKSTATION ON WHICH TO INSTALL PAGING SYSTEM SOFTWARE.
- E. WALL-MOUNTED DEVICES INSTALLED WITHIN GYMNASIUMS OR OTHER SPORTING FACILITIES SHALL BE PROVIDED WITH PROTECTIVE, TRANSPARENT COVERS. SOUNDING DEVICES SUCH AS LOUDSPEAKERS SHALL BE FITTED WITH SLOTTED COVERS TO PREVENT ATTENUATION OF SIGNALS. USER INTERFACEABLE DEVICES (E.G. TELECOM OUTLETS, CONTROL PANELS, ETC.) SHALL BE PROVIDED WITH HINGED COVERS.
- F. EXISTING HOLES TO BE COVERED, PATCHED, AND PAINTED AFTER COMPONENTS & WIRES HAVE BEEN REMOVED.
- G. LAND ALL SPEAKER LEVEL WIRING ON 66-BLOCKS WITHIN THE FRAME ROOM AND CROSS CONNECT TO ZONE CONTROLLER OR AMPLIFIER.
- H. CABLING TO BE LISTED FOR ITS INSTALLED ENVIRONMENT, I.E. PLENUM, RISER, OR OTHERWISE.



EXTERIOR ZONE 4





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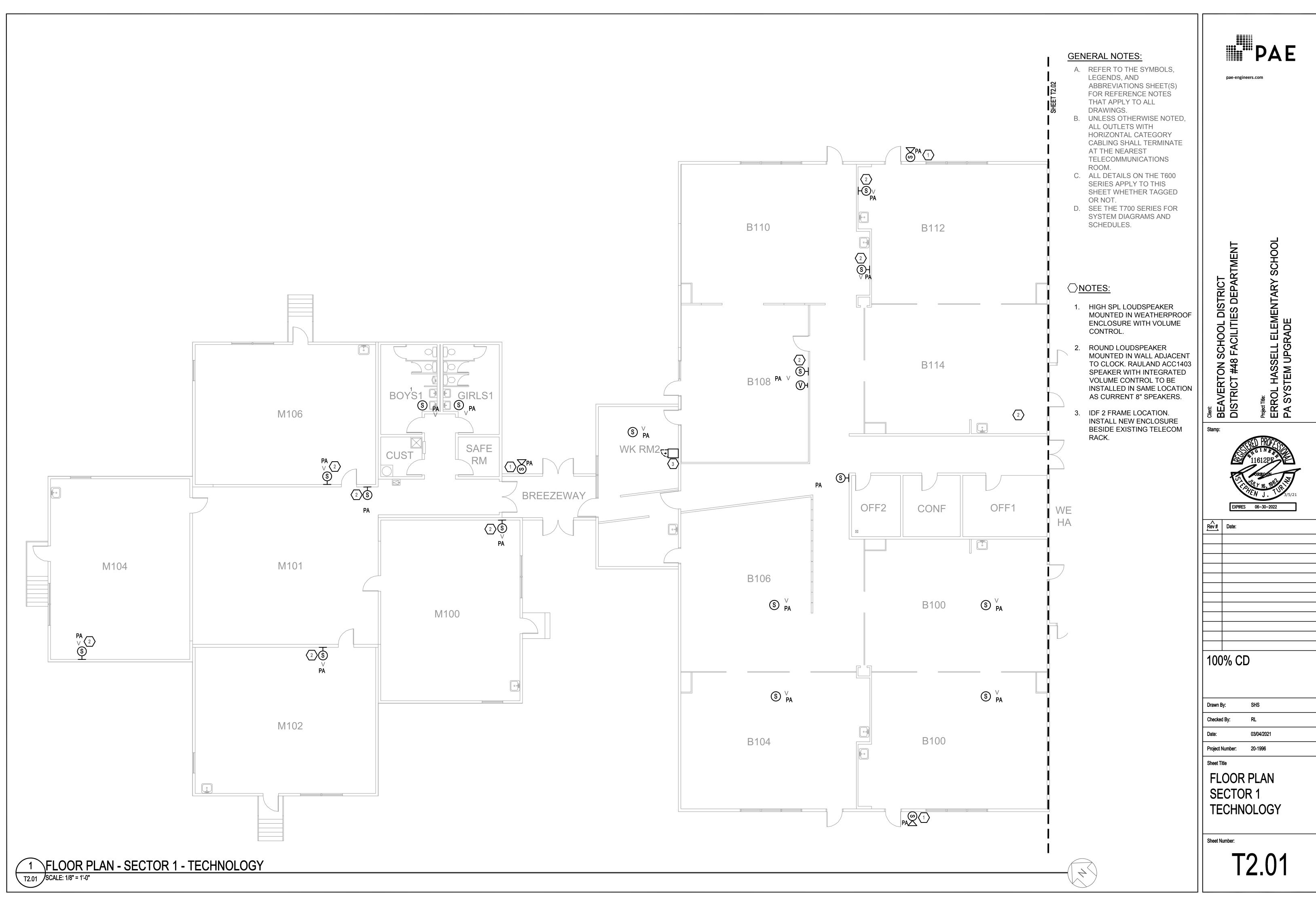
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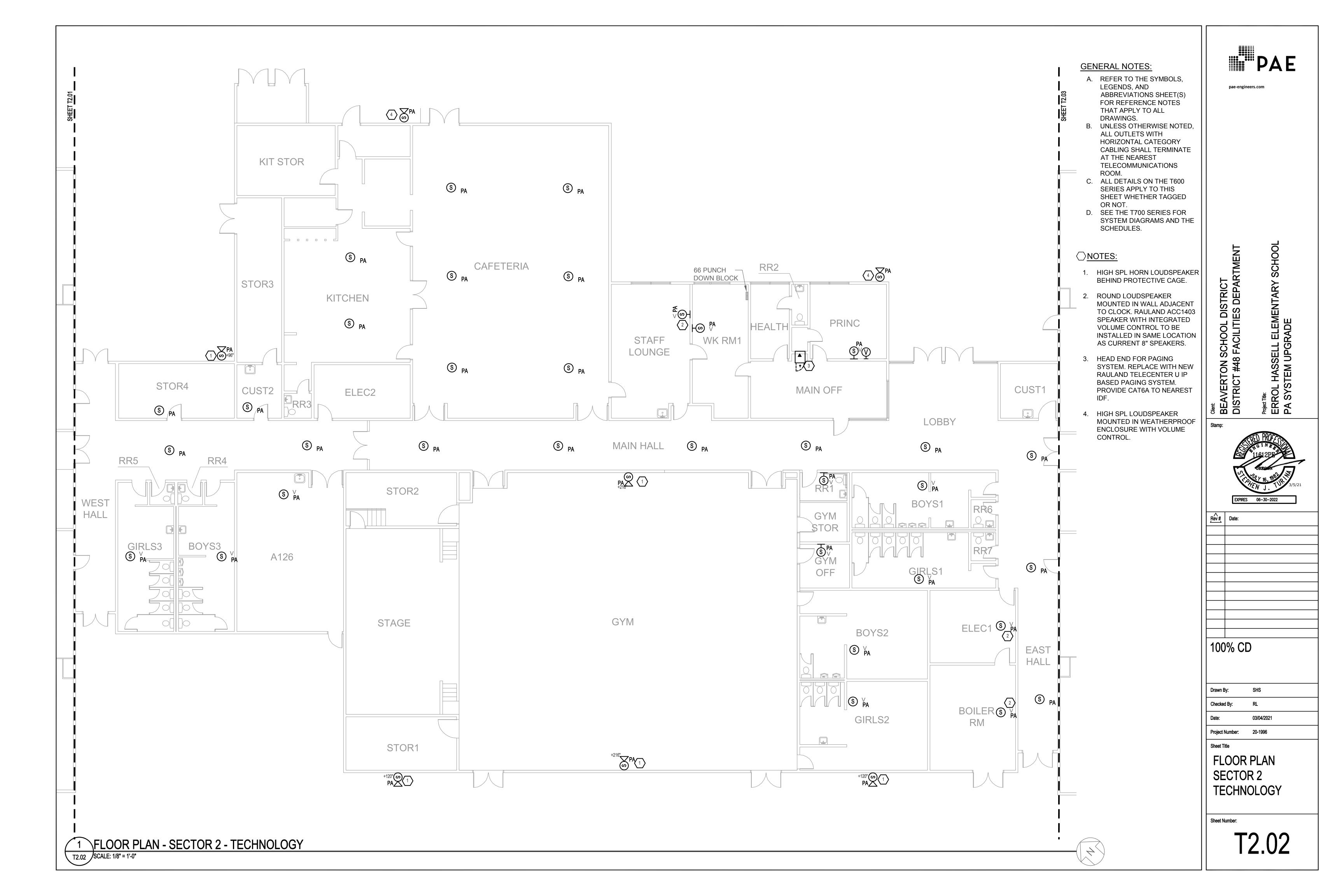
SYMBOLS, LEGENDS AND ABBREVIATIONS **TECHNOLOGY** 

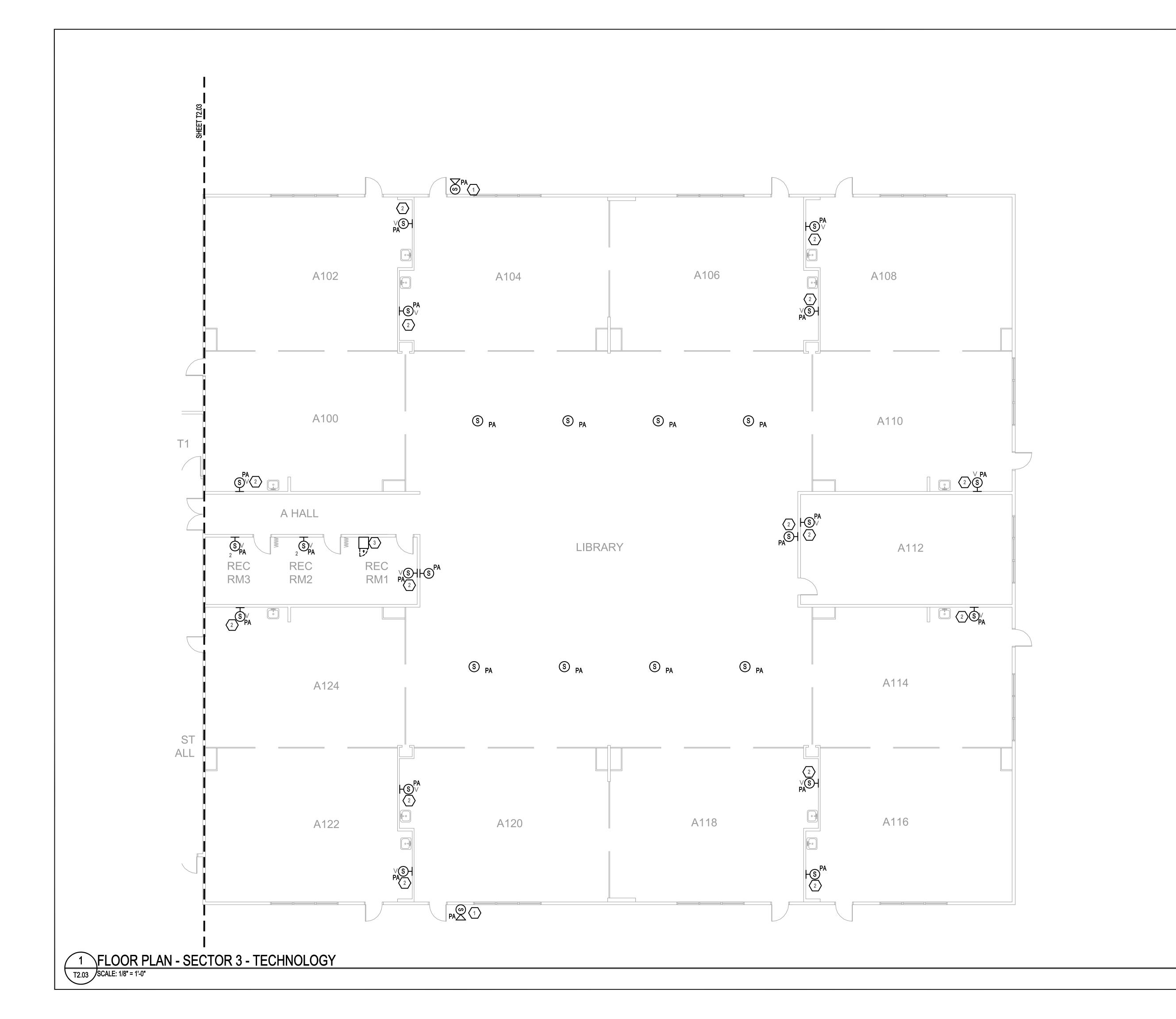
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- A. REFER TO THE SYMBOLS, LEGENDS, AND ABBREVIATIONS SHEET(S) FOR REFERENCE NOTES THAT APPLY TO ALL DRAWINGS.
- B. UNLESS OTHERWISE NOTED, ALL OUTLETS WITH HORIZONTAL CATEGORY CABLING SHALL TERMINATE AT THE NEAREST TELECOMMUNICATIONS ROOM.
- C. ALL DETAILS ON THE T600 SERIES APPLY TO THIS SHEET WHETHER TAGGED OR NOT.
- D. SEE THE T700 SERIES FOR SYSTEM DIAGRAMS AND SCHEDULES.

### NOTES:

- HIGH SPL LOUDSPEAKER
   MOUNTED IN WEATHERPROOF
   ENCLOSURE WITH VOLUME
   CONTROL.
- 2. ROUND LOUDSPEAKER
  MOUNTED IN WALL ADJACENT
  TO CLOCK. RAULAND ACC1403
  SPEAKER WITH INTEGRATED
  VOLUME CONTROL TO BE
  INSTALLED IN SAME LOCATION
  AS CURRENT 8" SPEAKERS.
- 3. IDF 1 FRAME LOCATION.
  INSTALL NEW ENCLOSURE
  BESIDE EXISTING TELECOM
  RACK.



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BEAVERTON SCHOOL DISTRICT
DISTRICT #48 FACILITIES DEPARTMENT
Project Title:
ERROL HASSELL ELEMENTARY SCHOOI
PA SYSTEM UPGRADE

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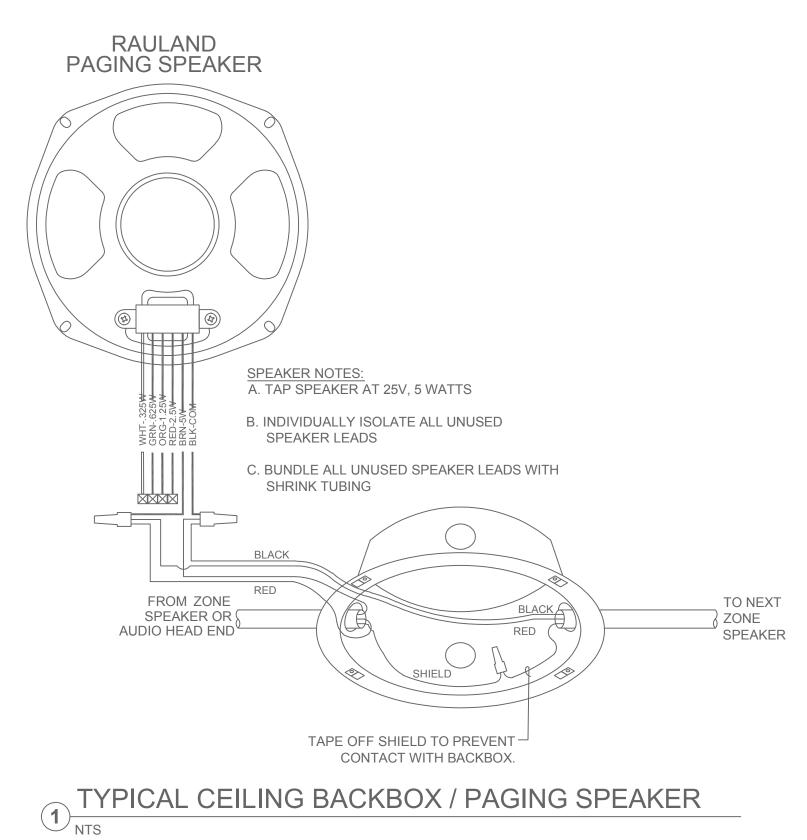
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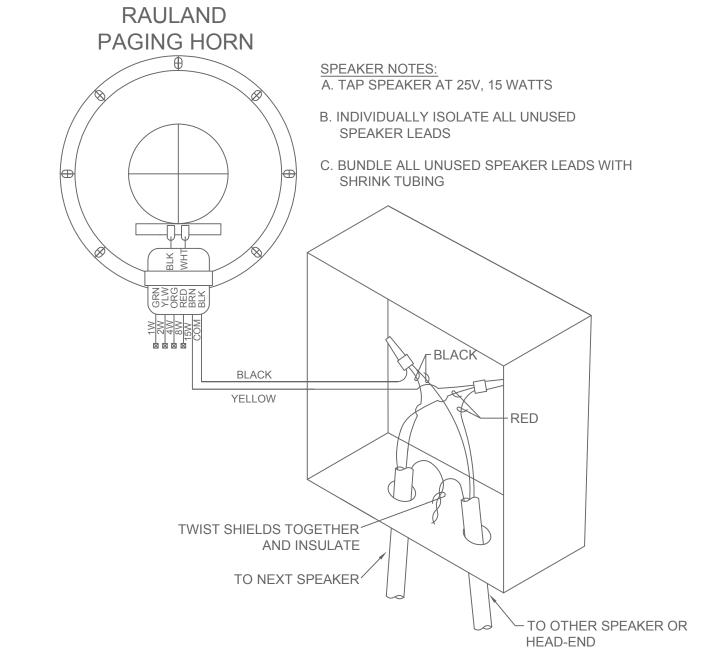
Sheet Title

FLOOR PLAN SECTOR 3 TECHNOLOGY

Sheet Number:

T2.03





TYPICAL WALL BACKBOX / EXTERIOR PAGING HORN

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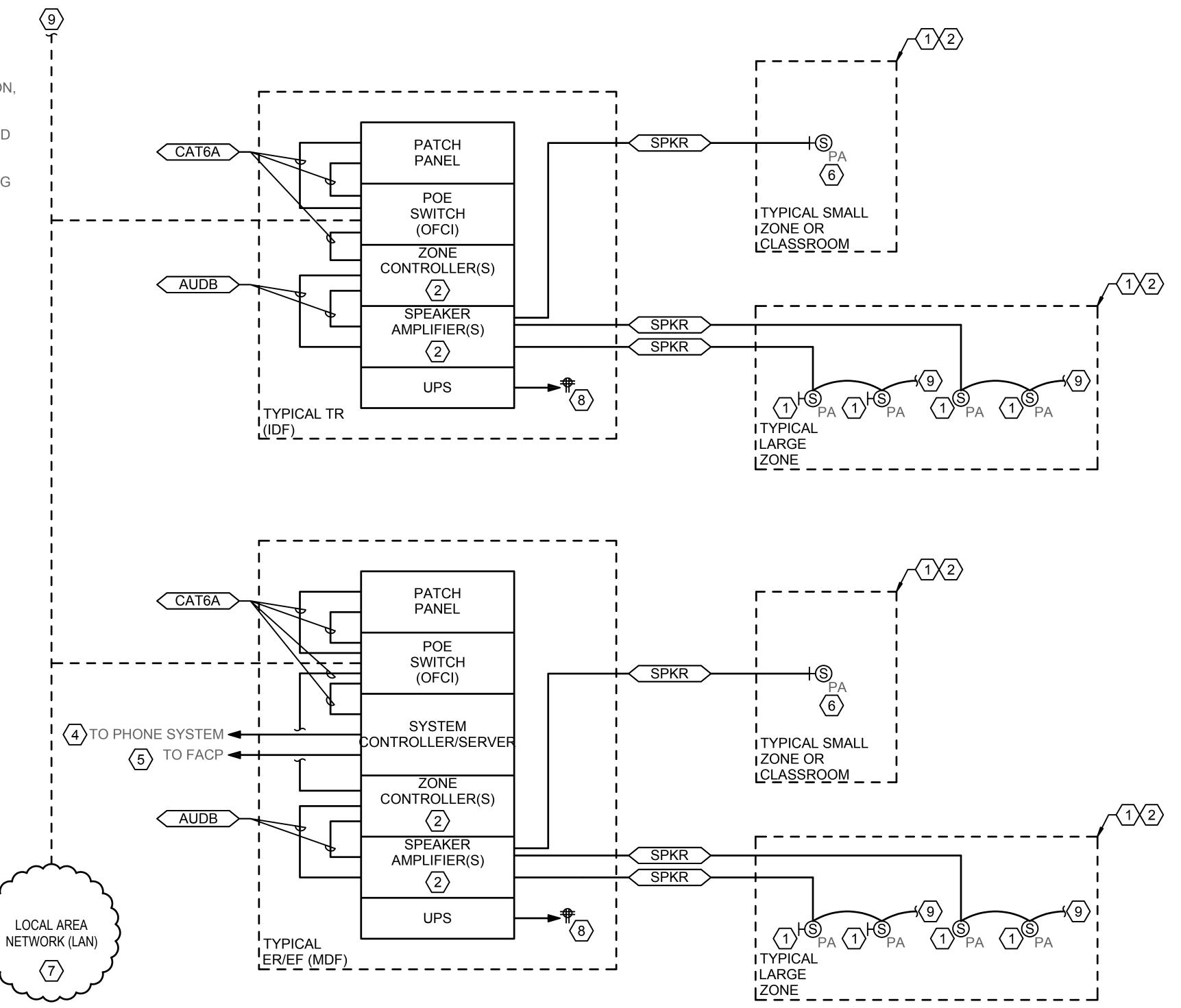
DETAILS TECHNOLOGY

Sheet Number:

T6.01

## ○NOTES

- 1. SEE PLANS FOR DEVICE QUANTITY AND LOCATIONS.
- 2. PROVIDE QUANTITIES OF ZONE CONTROLLER AND AMPLIFIERS AS REQUIRED FOR QUANTITIES OF ZONES SHOWN.
- 3. PROVIDE INTERFACE TO AUDIOVISUAL SYSTEM LOCAL TO ROOM. ON PAGE INITIATION, THE LOCAL AUDIOVISUAL SYSTEM'S SPEAKERS SHALL MUTE.
- 4. PROVIDE INTERFACE TO PHONE SYSTEM SUCH THAT THE PA SYSTEM MAY BE DIALED INTO FOR ZONED PAGES AND ALL-CALLS.
- 5 PROVIDE INTERFACE TO FIRE ALARM SYSTEM. WHEN ALARM IS INITIATED THE PAGING SYSTEM SHALL MUTE.
- 6. PROVIDE A RAULAND 8" SPEAKER WITH INTEGRATED VOLUME CONTROL IN EACH CLASSROOM.
- 7. COORDINATE WITH OWNER IT DEPARTMENT FOR IP ADDRESS ASSIGNMENT, VLANS, AND OTHER NETWORK CONFIGURATION PARAMETERS AND REQUIREMENTS FOR SYSTEM EQUIPMENT THAT CONNECTS TO THE OWNER'S NETWORK.
- 8. COORDINATE WITH EC TO PROVIDE 120VAC POWER FOR EQUIPMENT.
- 9. CONTINTINUATION TO NEXT SPEAKER.





BEAVERTON SCHOOL DISTRICT
DISTRICT #48 FACILITIES DEPARTMENT

Project Title:

ERROL HASSELL ELEMENTARY SCHOOL

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DIAGRAMS TECHNOLOGY

Sheet Number:

T7.01