

**NEW HAVEN UNIFIED SCHOOL DISTRICT  
REQUEST FOR PROPOSALS #776**

**Audio Video Systems**

**AV DRAWINGS**

### ARCHITECTURAL NOTES

1. VERIFY GROSS DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL AND INTERIORS DRAWINGS. WHERE CONFLICTS OCCUR, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE.
2. ALL AUDIO EQUIPMENT IS FOR REFERENCE ONLY. SUCH EQUIPMENT WILL BE PROVIDED AND INSTALLED BY THE AUDIO CONTRACTOR, NOT THE GENERAL CONTRACTOR. ALL OTHER CONSTRUCTION WORK SHOWN ON THESE DRAWINGS IS BY THE GENERAL CONTRACTOR, COMMUNICATIONS CONTRACTOR, OR ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
3. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, THE SCALE OF THIS DRAWING IS SUFFICIENT TO DETERMINE DIMENSIONS. WHERE EXACT DIMENSIONS ARE CALLED FOR, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACoustICAL TREATMENT.
4. WHERE METAL OR PLASTIC LOUSPEAKER GRILLES ARE SHOWN INSTALLED IN PAINTED CEILING OR WALL SURFACES, THE GENERAL CONTRACTOR SHALL PAINT THE GRILLES TO MATCH THE ADJACENT SURFACE PRIOR TO ASSEMBLY AND INSTALLATION.

### ELECTRICAL NOTES

1. VERIFY SIZES, DIMENSIONS, AND LOCATIONS WITH ARCHITECTURAL AND INTERIORS DRAWINGS. WHERE CONFLICTS OCCUR, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NATIONAL, LOCAL, AND OTHER APPLICABLE CODES.
3. ALL AUDIO EQUIPMENT IS FOR REFERENCE ONLY. SUCH EQUIPMENT WILL BE PROVIDED AND INSTALLED BY THE AUDIO SYSTEMS CONTRACTOR, NOT THE ELECTRICAL CONTRACTOR. COMMUNICATIONS CONTRACTOR, OR ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
4. IDENTIFY AND LABEL ALL JUNCTION BOXES, JUNCTION BOXES, AND CONDUIT RUNS. IDENTIFY EACH DEVICE FOR IDENTIFICATION LOCATIONS OF EQUIPMENT AND CONDUIT BOXES, OUTLETS, RACEWAYS, ETC. WHERE EXACT DIMENSIONS ARE CALLED FOR, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACoustICAL TREATMENT.
5. WHERE POWER, COMMUNICATION, OR AUDIO JUNCTION BOXES MUST COORDINATE WITH FIXED ARCHITECTURAL FEATURES, REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND DETAILS.
6. WHERE POWER, COMMUNICATION, AND AUDIO JUNCTION BOXES ARE PROVIDED TOGETHER AT THE SAME LOCATION AND ELEVATION, INSTALL AS CLOSE TOGETHER AS PHYSICALLY POSSIBLE WITH SUFFICIENT SEPARATION FOR INDIVIDUAL DEVICE COVER PLATES.
7. POWER RECEPTACLES SHOWN ON THESE DRAWINGS ARE DEDICATED FOR USE WITH SPECIFIC AUDIO, DATA, AND COMMUNICATIONS EQUIPMENT. ADDITIONAL UTILITY POWER RECEPTACLES MAY BE INDICATED ON ARCHITECTURAL DRAWINGS OR ACCORD TO CODE.
8. ALL AUDIO SYSTEM POWER CIRCUITS SHALL HAVE ISOLATED GROUNDS AND SHALL BE PROTECTED BY 20 AMPERE BRACEDS UNLESS OTHERWISE NOTED.
9. WHERE DUPLEX AND 4-PLEX POWER RECEPTACLES ARE SHOWN ON THESE DRAWINGS IN WHOLE OR IN PART, THEY SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. ALL OTHER POWER SHALL BE POWERED FROM STANDARD BUILDING POWER PANELS (NON-ISOLATED GROUND CIRCUITS) AND SHALL BE WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.
10. ALL WIRING SHALL BE SHOWN WITH IDENTIFICATION IN JUNCTION BOXES WITHOUT IDENTIFIABLE LABELS SHALL BE IDENTIFIED BY THE AUDIO CONTRACTOR. ALL WIRING SHALL BE IDENTIFIED BY THE ELECTRICAL CONTRACTOR DURING THE INSTALLATION OF SPECIAL AUDIO EQUIPMENT, TO BE COORDINATED WITH THE AUDIO CONTRACTOR.
11. AUDIO SYSTEM POWER CIRCUITS SHALL BE KEPT ISOLATED FROM LIGHT DIMMERS, LARGE MOTORIZED EQUIPMENT, AND OTHER INDUCTIVE OR NOISY ELECTRICAL LOADS.
12. EMPTY CONDUIT RUNS SHOWN ON THESE DRAWINGS SHOW ONLY INTERCONNECTIONS BETWEEN TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE COORDINATED ON SITE.
13. WHERE POSSIBLE, EMPTY CONDUIT RUNS FOR AUDIO SIGNAL CIRCUITS SHALL BE KEPT FOUR FEET ABOVE ALL OTHER CONDUIT RUNS AND SHALL NOT CROSS OTHER CONDUIT RUNS. ALL AUDIO SIGNAL CIRCUITS SHALL NOT RUN PARALLEL TO POWER CIRCUITS CLOSER THAN FOUR FEET FOR DISTANCES EXCEEDING 20 FEET.
14. ALL EMPTY CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE DEBURRED, CLEANED, TAPPED, AND FINISHED WITH PULL STRINGS.
15. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND EXTRA PULL BOXES FOR EVERY TWO 90 DEGREE BENDS IN A CONDUIT RUN.
16. THE METHOD OF INSTALLATION OF BOXES AND THE PASSAGE OF CONDUIT THROUGH ACoustICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACoustICAL CONSULTANT. ALL JUNCTION BOXES SHALL BE IDENTIFIED BY THE AUDIO CONTRACTOR. ALL JUNCTION BOXES SHALL HAVE THEIR BACKS SEALED WITH AIRTIGHT ADHESIVE OUTLET PADS. JUNCTION BOXES PLACED IN WALLS SHALL BE IDENTIFIED BY THE AUDIO CONTRACTOR. ALL JUNCTION BOXES SHALL BE IDENTIFIED TO-BACK ON ACoustICALLY SENSITIVE WALLS SHALL NOT SHARE THE SAME STUD CAVITY.

### SOUND SYSTEM DRAWING INDEX

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### ABBREVIATIONS

AC	ALTERNATING CURRENT	IG	ISOLATED GROUND
AFF	ABOVE FINISHED FLOOR	LS	LOUDSPEAKER
ARCHT	ARCHITECT	MIN	MINIMUM
AV	AUDIOSIGNAL	MTD	MOUNTED
AVC	AUDIOSIGNAL CONTRACTOR	(N)	NEW
C	EMPTY CONDUIT	INC	NOT IN CONTRACT
CL or E	CENTER LINE	NIS	NOT TO SCALE
DP	DEEP (DEPTH)	OFE	OWNER-FURNISHED EQUIPMENT
(E)	EXISTING	TBD	TO BE DETERMINED
EC	ELECTRICAL CONTRACTOR	TRP	TYPICAL
GC	GENERAL CONTRACTOR	UDN	UNLESS OTHERWISE NOTED
H	HIGH (HEIGHT)		

REV.	DATE	BY:

NEW HAVEN EDUCATIONAL SERVICES CENTER  
 AUDIOVISUAL FACILITIES  
 MODERNIZATION

LEGENDS AND NOTES  
 DRAWING INDEX, LISTS

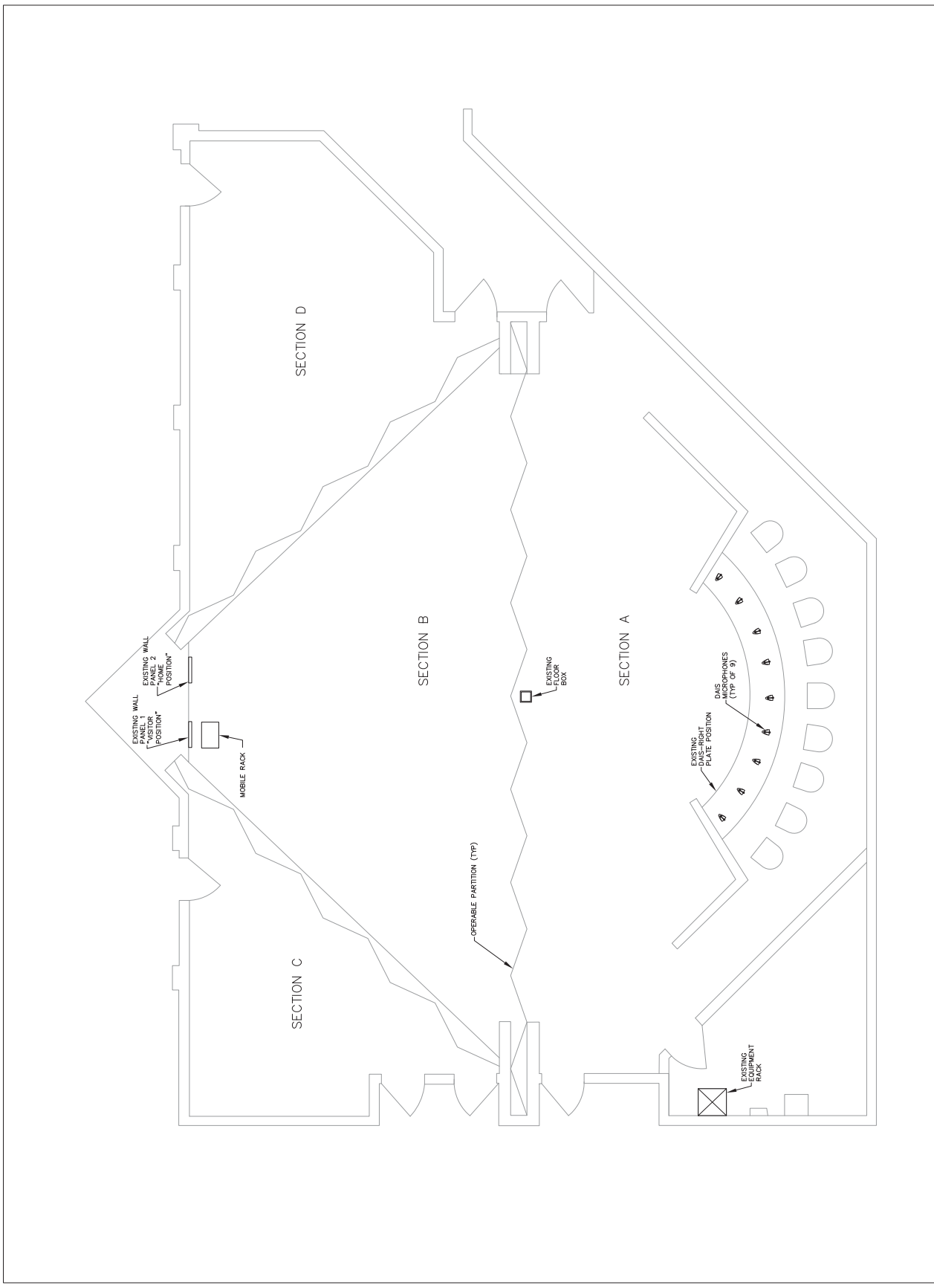
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SCALE	NOTED
DESIGNER	PAF
DRAWN	PAF
CHECKED	PAF
PROJECT NO.	16-025
SHEET	

AV0.0

REV.	DATE	BY:

NEW HAVEN EDUCATIONAL SERVICES CENTER  
 AUDIOVISUAL FACILITIES MODERNIZATION

AV FLOOR PLAN - DEVICES  
 DATE 1/23/2017  
 SCALE NOTED  
 DESIGNED PAF  
 DRAWN PAF  
 CHECKED PAF  
 PROJECT NO. 16-025  
 SHEET AV1.0



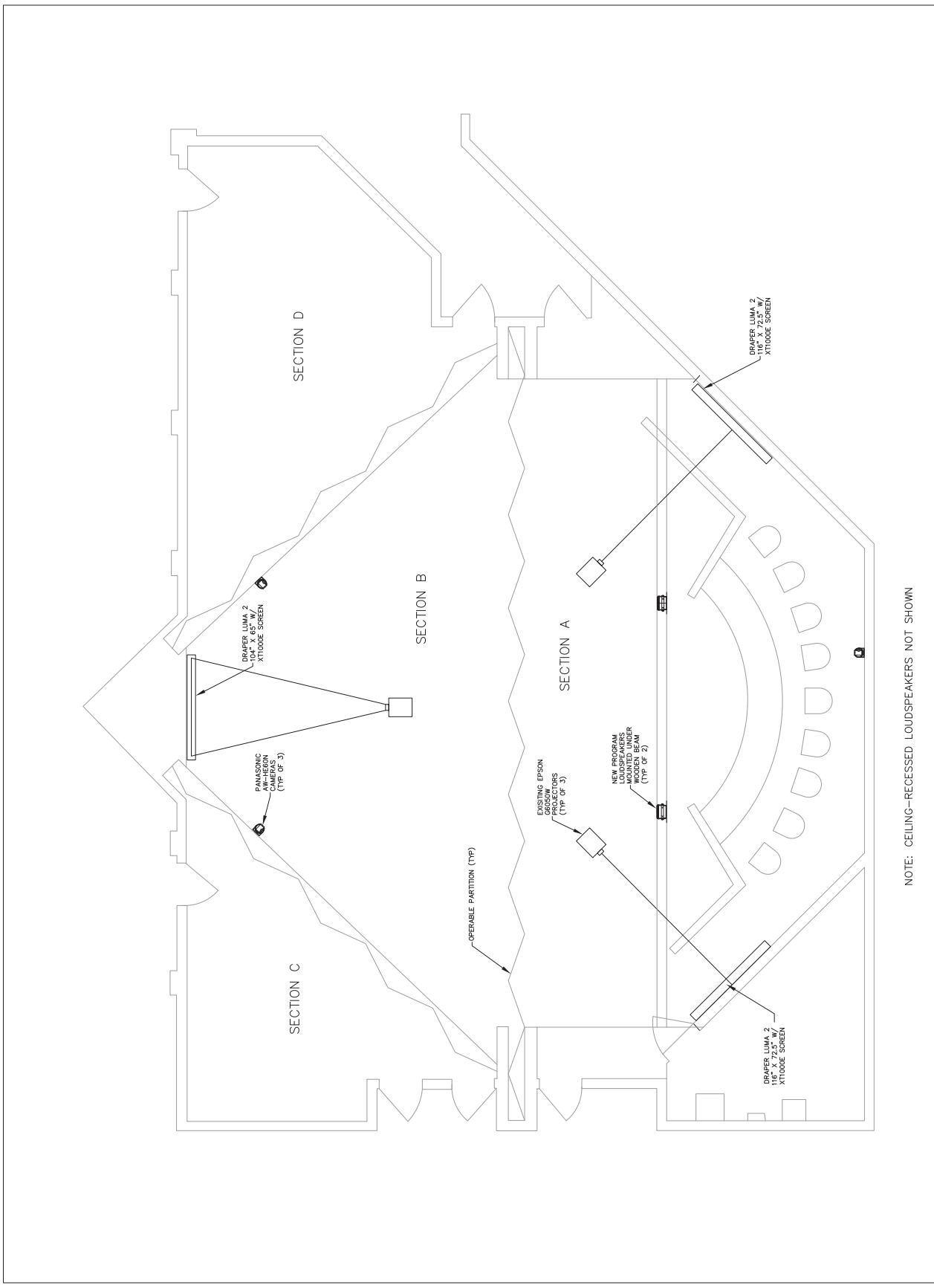
BOARD ROOM FLOOR PLAN - DEVICES 1  
 SCALE 3/8"=1'-0"

REV.	DATE	BY:

NEW HAVEN EDUCATIONAL SERVICES CENTER  
 AUDIOVISUAL FACILITIES MODERNIZATION

AV REFLECTED CEILING PLAN - DEVICES

DATE	1/23/2017
SCALE	NOTED
DRAWN	PAF
CHECKED	PAF
PROJECT NO.	16-025
SHEET	AV1.1



NOTE: CEILING-RECESSED LOUDSPEAKERS NOT SHOWN

BOARD ROOM REFLECTED CEILING PLAN - DEVICES 1  
 SCALE: 3/8"=1'-0"

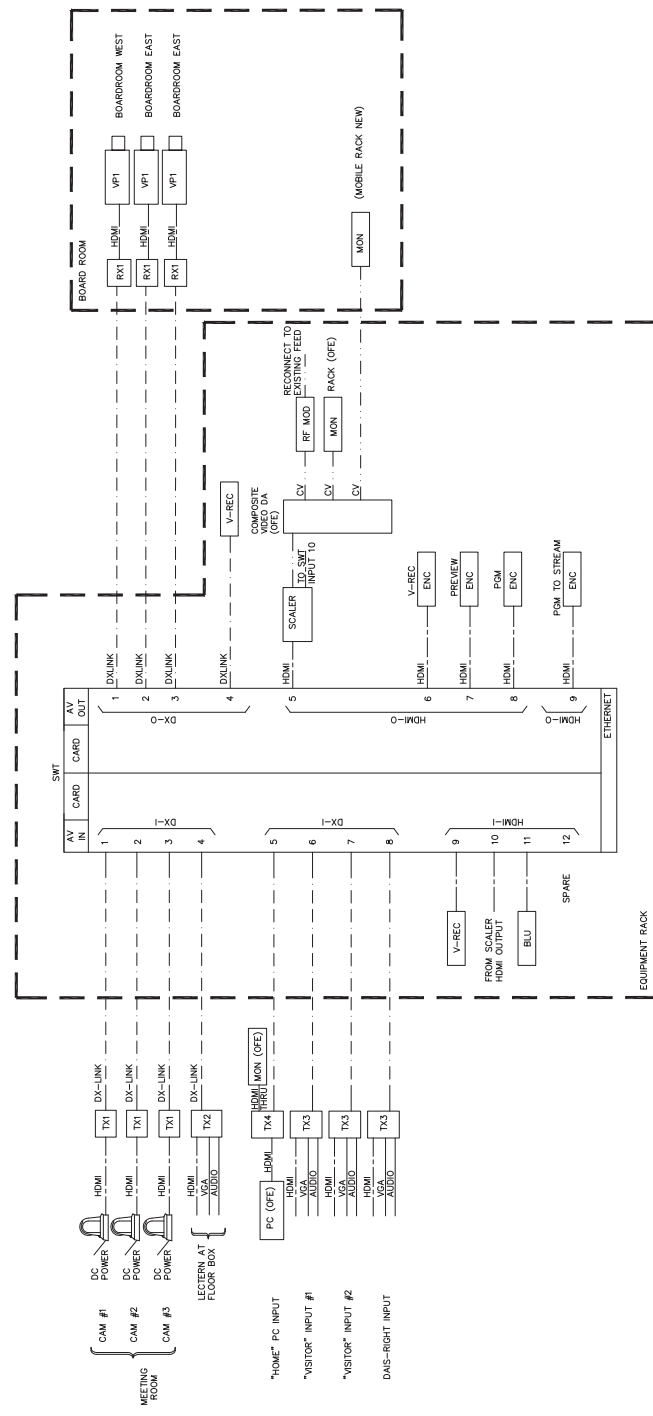
REV.	DATE	BY:

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 AUDIOVISUAL FACILITIES MODERNIZATION

AV VIDEO FUNCTIONAL DIAGRAM

DATE	1/23/2017
SCALE	NOTED
DESIGNER	PAF
DRAWN	PAF
CHECKED	PAF
PROJECT NO.	16-025
SHEET	

AV3.0



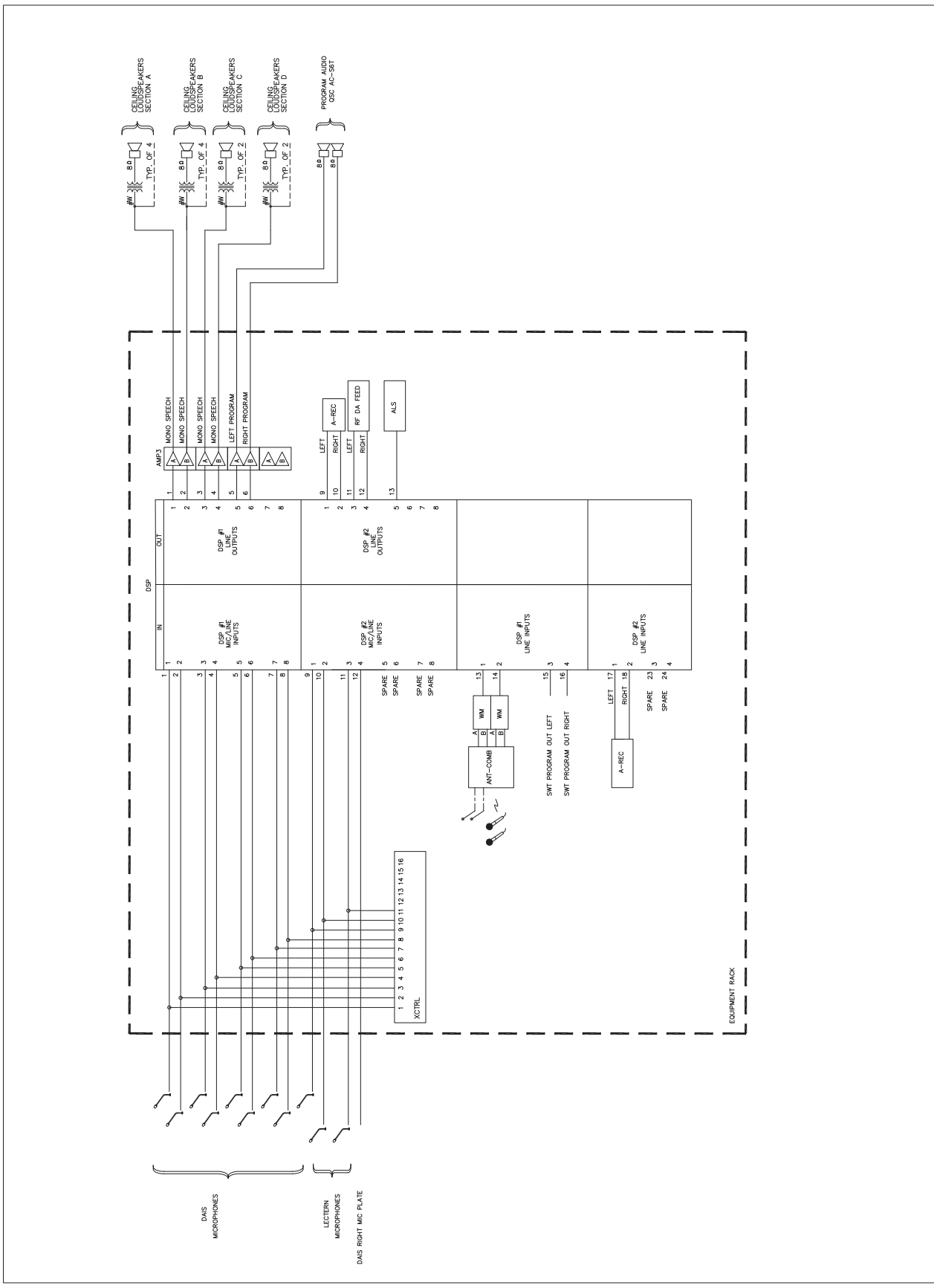
VIDEO FUNCTIONAL DIAGRAM 1  
 SCALE: NONE

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 AUDIOVISUAL FACILITIES  
 MODERNIZATION

AV AUDIO  
 FUNCTIONAL DIAGRAM

DATE	1/23/2017
SCALE	NOTED
DRAWN	PAF
CHECKED	PAF
PROJECT NO.	16-025
SHEET	AV3.1



AUDIO FUNCTIONAL DIAGRAM 1  
 SCALE NONE

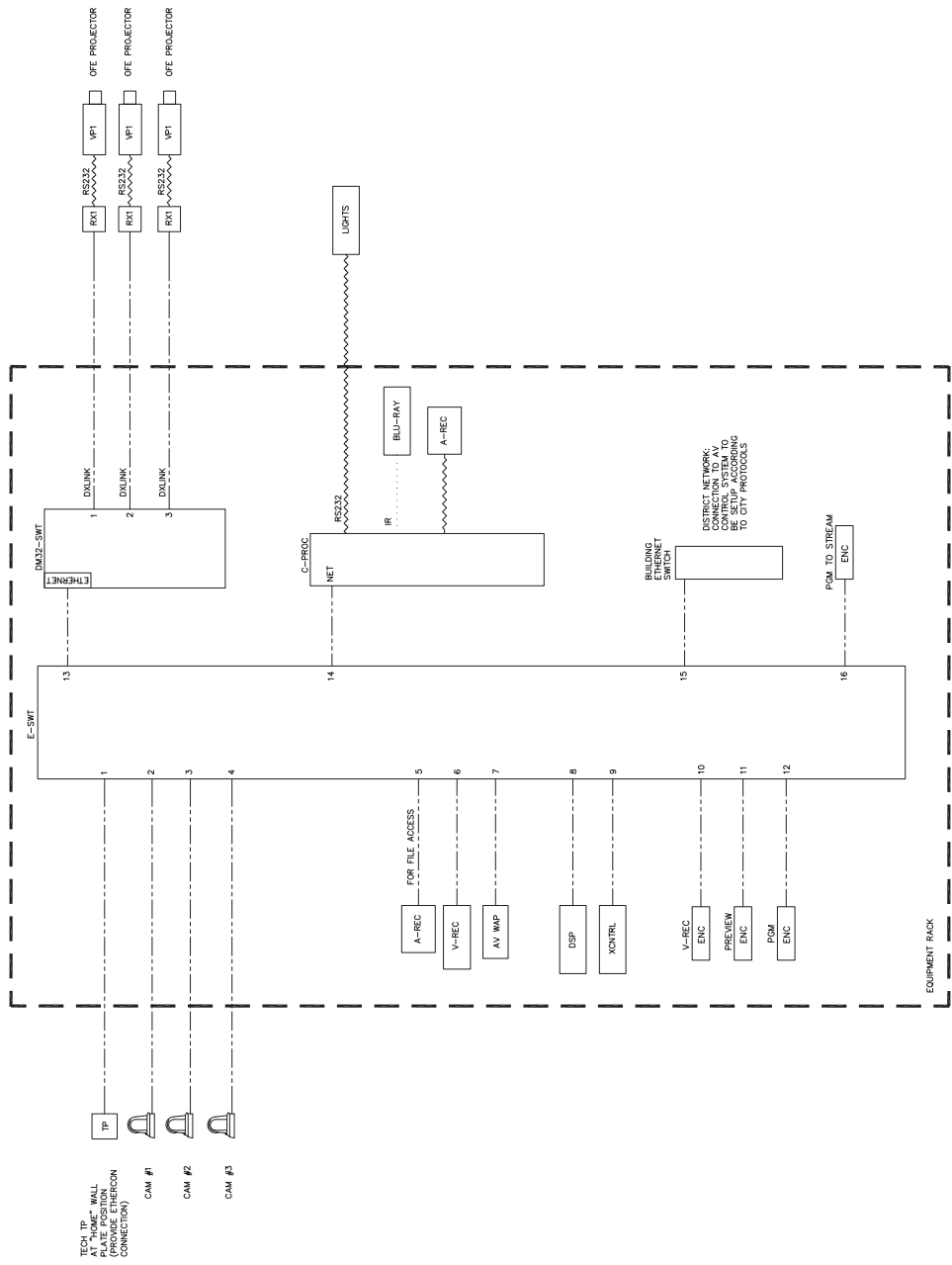
REV.	DATE	BY:

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 MODERNIZATION

AV CONTROL  
 FUNCTIONAL DIAGRAM

DATE	1/23/2017
SCALE	NOTED
DRAWN	PAF
CHECKED	PAF
PROJECT NO.	16-025
SHEET	

AV3.2



CONTROL FUNCTIONAL DIAGRAM 1