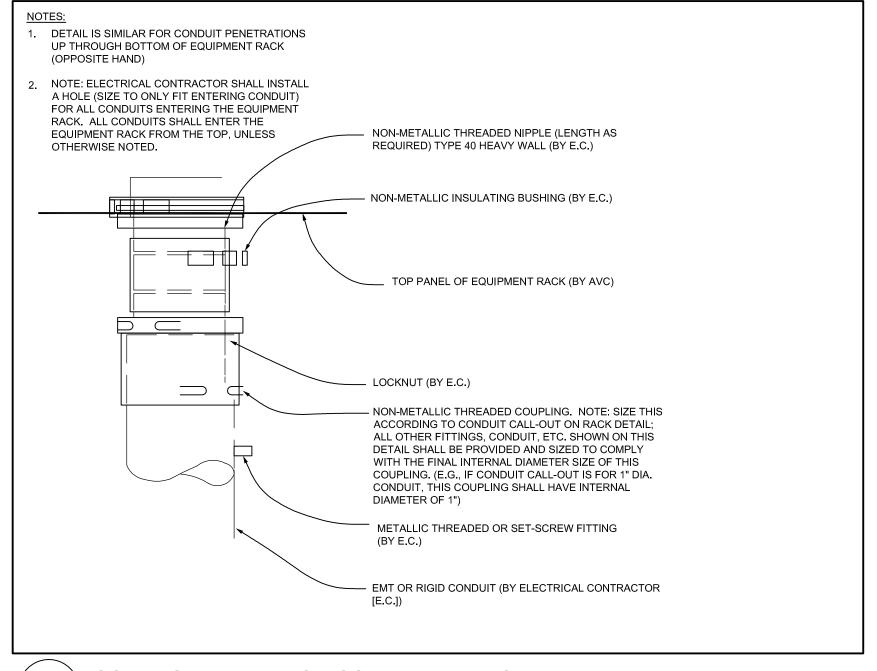


SYMBOLS AND ABBREVIATIONS



ISOLATION DETAIL FOR CONDUIT AT RACK

Schedule of minimum conduit separation by category

Minimum separation between carrying wiring of different groups (90 degree crossing in close proximity is

Category	Low Level	Medium Level	High Level	Other
Low level	Adjacent	6″	12"	12"
Medium level	-	Adjacent	12"	12"
High level	-	-	Adjacent	6″
Other	-	-	-	Adjacent
120V	36″	12"	6″	12"
220/240V	6″	.6"	Adjacent	Adjacent
Other less than 600V not dimmer controlled	6″	6″	Adjacent	Adjacent
Other less than 600V dimmer controlled	24"	12"	6"	12"
600V+		May not be parallel or crossing		
Plumbing pipe	6"	6"	6"	6"
Heat sources	12"	12"	12"	12"

Install conduits per the table above. Where it is absolutely necessary to cross a conduit with a conduit where

Install sound, video, and communications wiring within continuously grounded ferrous metal conduit or raceway. EMT conduit needs to be used, as PVC conduit does not provide any shielding.

Signal conduits shall be mechanically and electrically connected to receptacle boxes and electrically isolated from

FULL NORMAL

PATCH PANEL

GROUND

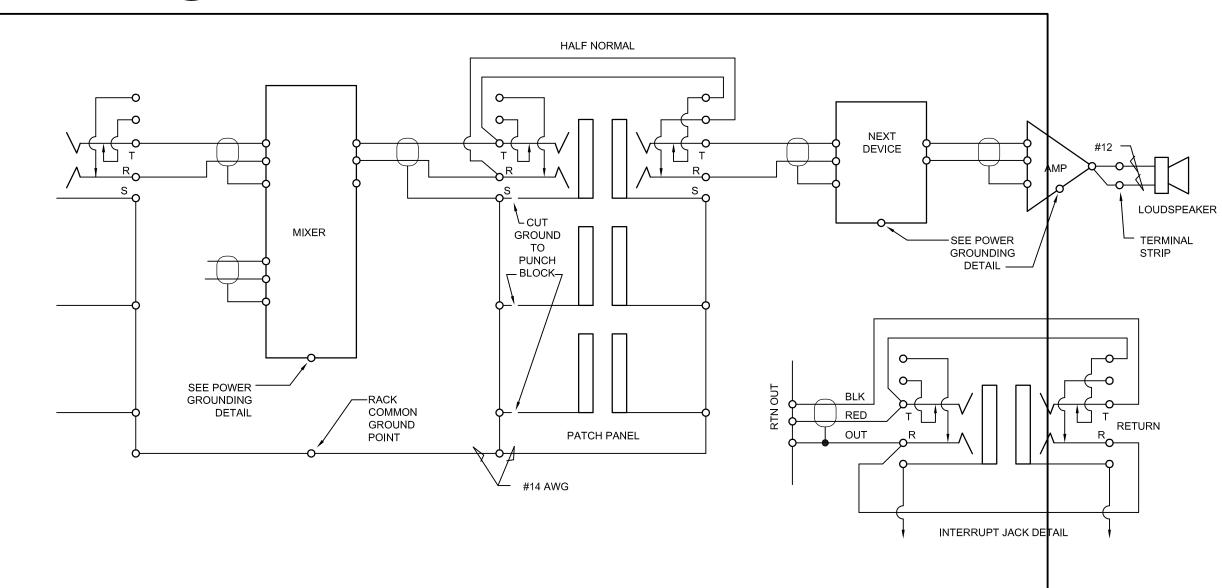
TO
PUNCH
BLOCK

Sheet number Sheet name AV SYSTEM EQUIPMENT: KEYS, DETAILS AND SYMBOLS AV SYSTEM EQUIPMENT: FACEPLATES & ONE LINES XV002 AV SYSTEM EQUIPMENT: ONE LINES AND RACK ELEVATIONS XV11 AV SYSTEM EQUIPMENT: AV DEMOLITION PLAN XV101 AV SYSTEM EQUIPMENT: PLANS LEVEL 2&3 GLEE CLUB, BAND ROOM XV102 AV SYSTEM EQUIPMENT: RCP LEVEL 2&3 GLEE CLUB, BAND ROOM XV103 AV SYSTEM EQUIPMENT: GLEE CLUB ROOM ELEVATIONS AV SYSTEM EQUIPMENT: BAND ROOM ELEVATIONS SEE SPECIFICATION SECTION 27 41 16. 61 FOR A DESCRIPTION OF EQUIPMENT PACKAGES FOR BASE BID AND ADD/ALTERNATE

DRAWING LIST

AUDIO SYSTEM INFRASTRUCTURE RESPONSIBILITY MATRIX												NUMBERED NOTES				
				MOUN TY			EQUIPMENT							DWG. REF.		Nema type 1 SC electrical box. Size as required to accommodate quantity and location of conduit terminations
SYMBOL	DEVICE DESCRIPTION	DEVICE SIZE/ (H x W x D)	MOUNTING HEIGHT	SURFACE	FLUSH	DEVICE COMPONENTS	SPECIFIED UNDER DIVISION	FURNISHED UNDER DIVISION	INSTALLED UNDER DIVISION	CONNECTED UNDER DIVISION	TESTED AND CALIBRATED UNDER DIVISION	RACEWAY PROVIDED UNDER DIVISION	CABLE PROVIDED UNDER DIVISION	DEVICE	NOTES	Refer to plate and panel elevations for cover plate size Junction box with 2-gang grommeted cover plate
																Custom floor box with cover plate refer to detail XXXX S Locations shown on sound system drawings for reference only. Refer to electrical drawings for requirements.
																6 Locate directly behind loudspeaker
xxx	JUNCTION BOX FOR AUDIO,VIDEO, FIBER, & DATA PANEL	12" x 12" x 6"	18" AFF TO CENTER OF BOX FLUSH MOUNTED		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27 27	26 27 27 27	27 27 27 27	27 27 27 27	26 26 	27 			 Flush mount in reflector panels provide a grommeted finish plate. Coordinate finish with Architect. Nema type 1 box with grommeted cover plate.
SZONE	CEILING SPEAKER, ZONED AS PER ZONE DESIGNATOR	2 GANG & 2 ½" DEEP	SURFACE MOUNTED AT CEILING.		×	BACKCAN AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27 27	26 27 27 27	27 27 27 27	27 27 27 27	26 26 	 27 			3 3RU Plate. Mount in Equipment Rack, by Sound System Contractor. 10 Custom floor box with cover plate refer to detail
ZONE	JUNCTION BOX FOR WALL MOUNTED SPEAKER	2 GANG & 2 ½" DEEP	SURFACE MOUNTED BEHIND WALL OR CEILING		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27 27	26 27 27 27	27 27 27 27	27 27 27 27	26 26 	_ 27 _ _			GENERAL NOTES
M	JUNCTION BOX FOR CEILING MOUNTED MICROPHONE	2 GANG & 2 ½" DEEP	SURFACE MOUNTED AT CEILING.		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27 27	26 27 27 27	27 27 27	27 27 27	26 26 —	27 —			Coordinate exact location and finish with architect All boxes to be 2-1/2" deep, provided by Electrical
Ş	JUNCTION BOX FOR CEILING MOUNTED SCREEN CONTROL	2 GANG & 3" DEEP	SURFACE MOUNTED ABOVE CEILING.		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27 27	26 27 27 27	27 27 27	27 27 27	26 26 —	27 —			Contractor, unless otherwise noted. 3. Cover plate to be provided by Audio System Contractor.
<u>©</u>	JUNCTION BOX FOR CAMERA	2 GANG & 3" DEEP	FLUSH MOUNTED AT WALL OR CEILING		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27 27	26 27 27 27 27	26 27 27 27 27	27 27 27	27 27 27 27	26 26 —	27 —			Power shown on audio system drawings for information only. Refer to electrical for exact location and requirements.
<u> </u>	JUNCTION BOX FOR AES CONTROL	2 GANG & 2 ½" DEEP	FLUSH MOUNT AT WALL 18" AFF UON		×	JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27	26 27 27	26 27 27 27	27 27 27	27 27 27	26 26 —	27 —			
AVER DESIGNATOR	JUNCTION BOX FOR AUDIOVISUAL EQUIPMENT RACK	EC TO SIZE AS REQUIRED	AS NOTED	×		JUNCTION BOX AV CABLES PANEL COMPONENTS PLATE/ENGRAVING	27 27 27 27 27	26 27 27 27 27	26 27 27 27 27	27 27 27 27	27 27 27 27	26 26 	 27 			

AUDIO RESPONSIBILTY MATRIX
NTS



SIGNAL GROUNDING DETAIL

502 South 24th Street Philadelphia, PA 19146 215.985.1000 www.mbtarchitects.com

Mark B. Thompson Associates

Architecture

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215.496.0000 www.djvinc.com

Civil Engineering 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 212.479.5400 www.langan.com

Theatre Projects Acoustical Design 47 Water Street South Norwalk, CT 06854 203.299.0830 www.theatreprojects.com

It is a violation of New York State Law for any person, unless he is acting under the direction of a licensed Professional Engineer or Land Surveyor, to alter an item in any way. If an item bearing the seal of an Engineer or Land Surveyor is altered, the altering Engineer or Land Surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the

General Notes

1. All dimensions and existing conditions shall be checked and verified by contractor at the site prior to proceeding with the work. 2. Contractor shall inform Architect/ Engineer of any discrepancies on drawings before

construction begins. 3. No existing service may be cut without Architect/Engineers's consent. Any existing service severed or damaged shall be replaced at

no cost to owner. 4. Contractor must notify Architect/ Engineer at once if hidden existing conditions encountered require design modifications.

0 Bid and Permit 07-06-2022

PRELIMINARY Not For Construction

EGNER HALL BUILDING 685

U.S. MILITARY ACADEMY West Point, New York

Project No.: 11300 Date: July 6, 2022

Drawing Title: AV SYSTEM EQUIPMENT: KEYS, DETAILS AND SYMBOLS

