

Truman State University McClain Hall 100 100 E. Normal Ave. Kirksville, MO 63501 Phone: 660-785-4326

Email: <u>lthrasher@truman.edu</u>

REQUEST FOR PROPOSALS (RFP) – JUNE 26, 2024 PROJECT CP2025-001 KIRK BUILDING – AUDIO / VIDEO TECHNOLOGY

Submittals from minority, women and disadvantaged business enterprises are encouraged.

SUBMITTAL DEADLINE	SUBMIT
2:00pm Central Time Thursday, July 18, 2024	One (1) Electronic copy via Email or Thumb Drive To lthrasher@truman.edu
DELIVERY BY MAIL	DELIVERY BY HAND
Truman State University Attn: Laura Thrasher 100 McClain Hall	Truman State University Purchasing Department 106 McClain Hall (corner of Franklin and Normal)

Truman State University (Truman) is requesting proposals from qualified vendors to provide procurement, project management, delivery, and installation per the project documents dated June 26, 2024. Proposals are to be submitted to the Purchasing Department at Truman until 2:00 PM CT, July 18, 2024, at which time the names of the vendors will be documented. No other public disclosure will be made until after an award of the contract. Examination of premises to be scheduled with Laura Thrasher, Purchasing Buyer.

RFP documents are available at https://www.truman.edu/businessoffice/purchasing/open-bids/. A notification of intent to respond to this RFP is located immediately below. This form is required if you plan to submit a proposal and wish to receive any (1) RFP addenda and (2) answers to questions regarding the RFP. Please complete and submit this form prior to the submittal deadline as shown on the Request for Proposals document. This page is not part of the RFP package and must be submitted to notify Truman of your interest in this project and to notify your organization of any addenda. These addenda are issued if there is a change to the specifications or closing date/time of the request.

INTENT TO RESPOND STATEMENT

	YES our orga	nization plans to submit a res	sponse to th	is solicitation for proposals:			
		SPONSE STATEMENT inization is not submitting a r	esponse for	the following reason(s):			
	Do not offer this	commodity or equivalent		Insufficient time to respond			
	Schedule would r	ot permit us to perform		Cannot meet delivery requirements			
	The project is too	small		Licensing restrictions (please explain)			
	The project is too	large		Other reasons			
Nam	ne of Organization:						
Cont	tact Name:						
Cont	tact Address:						
Cont	tact Phone Number:						
Cont	tact Email Address:	-					

TRUMAN STATE UNIVERSITY PROPOSAL CERTIFICATION

Vendor certifies that it is authorized to obligate the represented Vendor and further agrees with all terms, conditions, and requirements of the Truman's request for proposal. Vendor further certifies the responses and resulting proposal to Truman's request for proposal are true and accurate. In submitting a response to Truman's request for proposal, the Vendor understands:

- (1) That Truman retains the right to reject any and all proposals and to waive irregularities and informalities therein, and to award the contract in the best interests of Truman.
- (2) Truman will first determine if a proposal satisfies the mandatory requirements stated in this request for proposal.
- (3) The award will be based on the best proposal. Truman will consider all available information including, but not limited to, a Vendor's qualifications, reputation, financial position, references, available equipment, etc., when determining the best proposal.
- (4) It is also understood that proposals may not be withdrawn for a period of 60 days after the date and time set for the receipt of proposals.

The Vendor hereby affirms:

- (1) That the proposal has been arrived at by the Vendor independently, and has been submitted without collusion with, and without any agreement, understanding, or planned common course of action with, any other Vendor of materials, supplies, equipment or services described in the request for proposal designed to limit independent proposals or competition;
- (2) That the Vendor has fully informed itself regarding the accuracy of the statements made in their response. Each Vendor must inform themselves fully of the conditions relating to the construction of the project and employment of labor thereon. Failure to do so will not relieve the successful Vendor of their obligation to furnish all materials and labor necessary to carry out the provisions of the contract.

Bid Procedures:

- (1) Each proposal must be submitted on the prescribed form. All blank spaces for bid prices must be filled in, in ink, typewritten, or electronically, in both words and figures, and in case of any discrepancy, the words shall govern.
- (2) Vendors must follow the specific proposal form when submitting the best offer. Accompanied by the completed form should be a formal quote broken out by line item in the same sequence as the specification document.
- (3) All bids must provide that they remain open for a period of not less than sixty (60) calendar days after the date of the bid opening.
- (4) Provide a Vendor's Qualifications Statement with the proposal form.

No interpretation of the meaning of the plans, general requirements, specifications, or other pre-bid documents will be made to any Vendor orally.

- (1) Every request for such interpretation should be in writing via email and sent to Laura Thrasher, Purchasing Buyer at <a href="https://linear.com/linea
- (2) Any and all such interpretations and any supplemental instructions will be in form of written addenda to the project manual which, if issued, will be posted on the Purchasing Open Bids webpage at https://www.truman.edu/businessoffice/purchasing/open-bids/ and an email sent to all prospective Vendors (at the respective email addresses furnished for such purposes), not later than three working days prior to the date fixed for the opening of bids.
- (3) Failure of any Vendor to receive such addendum or interpretation shall not relieve such Vendor from any obligations under their bid as submitted. It is advisable that Vendors occasionally check the website for addendums unless you have provided an email for our files.
- (4) All addenda so issued shall become part of the contract.

Enclosed are the following documents for Project CP2025-001:

Request for Proposals

Specifications

General Requirements of Truman State University

Proposal Form

Bid Documents from Henderson Engineers and System Specifications upon request Drawings:

TA000 - Audio-Video General Notes and Legend

TA101 - Audio-Video Level 1 Plan

TA102 - Audio-Video Level 2 Plan

TA103 - Audio-Video Level 3 Plan

TA301 - Audio-Video Sections

TA500 - Audio-Video Details

TA601 - Audio-Video Schedules

TA602 - Audio-Video Schedules

TA701 - Audio-Video Signal Flows

TA702 - Audio-Video Signal Flows

TA703 - Audio-Video Signal Flows

SPECIFICATIONS FOR KIRK BUILDING - AUDIO / VIDEO TECHNOLOGY

ON THE CAMPUS OF TRUMAN STATE UNIVERSITY KIRKSVILLE, MO

Project No. CP2025-001

Proposals due Thursday, July 18, 2024 at 2:00 pm

I. SCOPE OF WORK: Work covered by these specifications includes provide procurement, project management, delivery, and installation of equipment in Kirk Building. Kirk Building is a three-story facility renovation that may have a passenger elevator, and on-grade access. Current construction on the facility is scheduled to be complete by end of December 2024. AV Contractor may start in October of 2024, possibly end of September, or as agreed upon by the Truman and selected Vendor. Refer to section XIII for additional important dates.

Outlined below is a detailed scope of work prepared by Henderson Engineers.

Prost Builders General Contractor Scope (By Meyer Electric) Under Construction:

- AV Back Boxes
- AV conduit pathways

AV Contractor Scope – For Bidding Now:

- All scope indicated as "OWNER" on AV documents, particularly on the AV schedules TA601 and TA602.
- This includes, but is not limited to:
 - o Displays
 - o Projector and Screen
 - Speakers
 - o Active Equipment (switches, amps, etc.)
 - Controls
 - o Programming/setup.
 - o Cabling/termination
- II. Project scope includes the following elements: Installation will include onsite project management, delivery, assembly, setup and placement of furniture/equipment, and removal and disposal of all cartons and packing materials. Refer also to the Audio-Visual / Information Technology documents. All installation is to be per the manufacturer's written recommendations. Instructions are to be seen on site.
- III. GENERAL CONDITIONS: The selected Vendor shall conform to all requirements of these specifications and drawings. The drawings provided may not be to scale, are not as-built, and all areas are to be verified in the field. The full construction documents for the Kirk Building Renovation Project currently under construction are available for viewing if needed. In case any point with regard to the true extent of these specifications and drawings are not fully understood by the Vendor or if there is any doubt as to the items to be included in their bid, the Vendor shall contact Truman for such further instructions as may be necessary. In no case shall a bid be submitted in uncertainty.
- **IV. EXAMINATION OF PREMISES:** Before submitting bids for this work, each Vendor shall examine the predetermined sites and satisfy themselves as to the existing conditions under which they will be obliged to operate, or that will in any manner affect the work under this contract. Inspection of the predetermined job site may be scheduled through Laura Thrasher at 660.785.4326 or email https://linkarcher@truman.edu. All information is provided only for the assistance of the Vendors and does not alleviate the Vendor from thoroughly examining the site conditions.
- V. SPECIFICATIONS: These specifications and drawings are intended to fully cover all phases of work involved. Should a case arise in which they apparently do not, Laura Thrasher with Purchasing Buyer shall decide such questions and the decision shall be final and binding on all parties. Notification of changes will be made in the form of a written addendum and forwarded to all Vendors currently holding specifications for this project. All work necessary for a professional and complete installation must be done without extra charge. Specifications and drawings will be available.

- VI. QUALITY AND WORKMANSHIP: All labor, tools, materials and equipment necessary for the completion of all work included in these specifications shall be furnished at the selected Vendor's own expense. All materials used shall be new and fresh unless otherwise specified and both materials and workmanship shall be of the best quality and shall be subject to the approval of Information Technology Services (ITS). No work will be considered accepted which may be considered defective or deficient in any of the requirements of these specifications and drawings.
 - **A.** All labor shall be performed in a first-class, substantial, neat and workmanlike manner. All damage shall be repaired, including any building damage, glass breakage, exterior and interior walls, floors, all patching done, all broken materials, and everything left as it was or better and complete in every respect.
- VII. REQUIRED PREINSTALLATION MEETING: The selected Vendor(s) are required to schedule a Preconstruction Meeting before starting installation, at a time convenient to the Owner, to discuss phasing and any items that could impact progress, access to the area, and scheduling. The AV installers will need to coordinate their work with the work currently underway and Prost Builders Inc is the General Contractor and superintendent on site, but ITS will be overseeing the work.
- VIII. PERMITS, LICENSES, AND SO FORTH: The selected Vendor shall give the proper authorities all notices as required by law relative to the work in his charge, obtaining all official permits and paying for all legal fees that are necessary for the due and faithful performance of the work herein listed. This also includes notification of Division of Labor Standards by the selected Vendor of a prevailing wage project award.
- **IX. PROTECTION OF WORK:** The Owner's property and the work performed, as well as the materials to be used, shall at all times be thoroughly protected from the weather and other causes, and all damage resulting from such neglect shall be made good by the selected Vendor at their own expense.
- X. WARRANTY: The selected Vendor shall provide all manufacturer's standard warranties. The installation provider must be directly responsible for the quality of the completed installation, including both the quality of the materials and labor used in the installation. The installation provider must directly warrant to owner that all products, materials and services relate to the installation will meet specifications set forth herein.
- XI. USE OF PREMISES: The selected Vendor shall confine their apparatus, the storage of materials, and the operation of his workmen to such places and within such limits as to cause the least inconvenience to Truman and contractors onsite. Selected vendor/s shall coordinate with Prost Builders Inc the superintendent on site and ITS.
- **XII. ACCEPTANCE:** Upon inspection of all work for damage and quality, Truman will provide written acceptance or list of requirements to make work acceptable.
 - **A. Submit** manual of manufacturer's recommendations for the general care, cleaning, and maintenance of products.
 - **B.** Submit written warranties for all products as well as performance testing results on all items. Submit written warranties for installation.
- XIII. COMPLETION OF WORK: Work shall commence upon receipt of an Agreement and Purchase Order from Truman's Purchasing Buyer. Orders for materials must be placed in time for installation to begin. The selected Vendor/s and Truman need to agree on the final schedule prior to beginning work. Truman is closed for Labor Day September 2, 2024, Thanksgiving November 27th, 28th and 29th, 2024 and the week that Christmas falls December 23rd through December 27th, 2024.

END OF SPECIFICATIONS

XIV. GENERAL REQUIREMENTS OF TRUMAN STATE UNIVERSITY

- **A.** The purchase contract between Truman and the selected Vendor will consist of (1) RFP and any amendments thereto, and (2) the proposal submitted by the selected Vendor in response to this RFP. In the event of a conflict in language between the two documents referenced above, the provisions and requirements set forth and/or referenced in the RFP will govern. However, Truman reserves the right to clarify any contractual relationship in writing with the concurrence of the selected Vendor and such written clarification will govern in case of conflict with the applicable requirements stated in this RFP or the selected Vendor's proposal response. In all other matters not affected by written clarification, if any, the RFP will govern. The Vendor is cautioned that its proposal will be subject to acceptance by Truman without further clarification.
- **B.** Any change to the contract including the specifications described herein must be accomplished by a formal contract amendment signed and approved by and between the duly authorized representatives of the selected Vendor and Truman. Any amendments to the contract will (1) specify an effective date; (2) specify any increases or decreases in the amount of the selected Vendor's compensation, if applicable; (3) describe changes, if any, to the provisions of the contract; (4) be entitled as an "Amendment"; and (5) signed by the parties identified in the preceding sentence. The selected Vendor expressly and explicitly understands and agrees that no other method and/or no other document, including correspondence, acts, and oral communications by or from any person, will be used or construed as an amendment to the contract.
- C. All reports, data and materials developed or acquired by the selected Vendor as a direct requirement specified in the contract/purchase order will become the property of Truman. All reports, data or materials that may reveal names or identification numbers of individuals, employees, or corporate entities, if not returned to Truman, must be properly destroyed so as to keep such information confidential. No reports or materials prepared, as required by the contract/purchase order, will be released to the public without the prior written consent of Truman.
- **D.** The selected Vendor will not at any time sell, convey, transfer, mortgage or assign any interest in the contract/purchase order, either in whole or in part, nor any of its rights, title, interest or privilege hereunder whatsoever, in the contract/purchase order.
- **E.** Vendor agrees that they presently have no interest and will not acquire any interest, directly or indirectly, which would conflict in any manner or degree with the performance of the services hereunder. Vendor further agrees that no person having any such known interest will be employed or conveyed an interest, directly or indirectly, in the contract/purchase order.
- **F.** Vendor will not provide any perquisites, favors, or gifts to any Truman employees which tend to curry favor with any specific persons or which incur expenses to be borne by Truman. Vendor will not attempt to gain support and appreciation from any group of employees other than providing the highest quality services possible.
- **G.** Upon filing for any bankruptcy or insolvency proceeding by or against the Vendor, whether voluntary or involuntary, or upon the appointment of a receiver, trustee or assignee for the benefits of creditors, the Vendor must notify Truman immediately. Upon learning of such actions, Truman reserves the right at its sole discretion to either cancel or reaffirm the contract.
- **H.** Truman may cancel the contract at any time for a material breach of any contractual obligation by providing the selected Vendor with a written notice cancellation. At its sole discretion, Truman may give the Vendor an opportunity to cure the breach or to explain how the breach will be cured. If the Vendor fails to cure the breach, Truman reserves the right to obtain the equipment, supplies, and/or services to be provided pursuant to the contract from other sources and charge the Vendor for any additional costs incurred as a result. Should Truman exercise its right to cancel the contract/purchase order for such a reason, the cancellation will become effective on the date as specified in the Notice of Cancellation sent to the selected Vendor.

- I. Any written notice of the Vendor will be deemed sufficient when deposited in the United States mail, postage prepaid, and addressed to the Vendor or at its address as listed on the signature pate of the contract, or as such address as the Vendor may have requested in writing.
- **J.** The Vendor understands and agrees that monies required to fund the contract must be appropriated for each fiscal year included within the contract period (Truman's fiscal year runs July 1 through June 30). The contract will not be binding upon Truman for any period in which funds have not been appropriated, and Truman will not be liable for costs associated with termination caused by lack of appropriations.
- **K.** As a public institution, Truman must follow State of Missouri rules and regulations regarding the procurement of goods and services. Data obtained through this consulting process must be handled as confidential and may not be shared with other Vendors who may want to do business with Truman without the prior written approval of Truman's Purchasing Department. Any future business with Truman will be obtained through a proposal process.
- L. The contract will be construed according to the laws of the State of Missouri. The Vendor will comply with all local, state and federal laws and regulations related to the performance of the contract to the extent that the same may be applicable.
- **M.** The Vendor represents himself/herself to be an independent Vendor offering such product and services to the general public and will not represent itself or its employees to be an employee of Truman. Therefore, the selected Vendor will assume legal and financial responsibility for taxes, FICA, employee fringe benefits, workers compensation, employee insurance, minimum wage requirements, overtime, etc. and agrees to indemnify, save and hold Truman, its officers, agents and employees, harmless from and against any loss; cost (including attorney fees); and damages.
- **N.** The Vendor is advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract must be acceptable to Truman.
- **O.** The Vendor shall be responsible for the general care, control, and order of all operations carried on and about the premises during the continuance and until the completion and acceptance of the work herein specified.
- **P.** The selected Vendor will provide Workman's Compensation Insurance for all workers involved with this project. The selected Vendor will also carry commercial liability insurance in an amount not less than \$1,000,000 per occurrence and \$3,000,000 in aggregate. The selected Vendor will provide certificates of insurance prior to the commencement of the project naming Truman State University as a certificate holder. The successful Vendor shall use the insurance industry standard ACCORD form, or other adequate proof of such insurance.
- Q. Security for Faithful Performance With the delivery of an executed contractual agreement, the vendor will furnish a surety bond or bonds as security for faithful performance of the contractual agreement and for the payment of all persons performing labor and furnishing materials in connection with the contractual agreement. The surety on such bond, or bonds, will be by duly authorized surety company satisfactory to Truman. The bond will be in the amount of 100% of the contracted amount or in the amount of 25% of the contracted amount if in the form of an acceptable money order or cashier's check made payable to Truman State University. The performance security will be delivered to Truman along with the signed contractual agreement. The performance bond is required as a guarantee that the vendor will fully and faithfully perform the work required by the contractual agreement. If the work is properly and punctually performed to Truman's satisfaction, then the full amount of the performance bond will be refunded to the vendor. If the work is not properly and punctually performed, then the amount of damages sustained by Truman will be retained, and the balance of the performance bond will be refunded to the contractor. In the event the amount of damages sustained by the Truman exceeds the amount of the performance bond, then the vendor will be liable to Truman for the excess amount.

- **R.** Anti-Discrimination Against Israel Act Requirements: If the vendor meets the definition of a company as defined in section 34.600, RSMo, and has ten or more employees, the vendor shall not engage in a boycott of goods or services from the State of Israel; from companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or from persons or entities doing business in the State of Israel as defined in section 34.600, RSMo.
- **S.** Drug and Alcohol Policy: Truman prohibits the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance. Violators may be subject to disciplinary action up to and including contract termination. Alcohol may not be consumed in public areas, and no employee or vendor personnel will report to work while under the influence of alcohol, marijuana, or illicit drugs. Smoking, including tobacco, marijuana, and e-cigarettes, is not allowed on Truman's campus.
- T. Parking Regulations. The successful Vendor agrees to comply with the Owner's published rules and regulations regarding vehicles and campus parking. All motor vehicles parked on the Owner's property must be identified with a properly displayed permit. Service vehicles are non-university vehicles which conduct university business or services on a regular basis. Loading and unloading zones are provided for the successful Vendor to use. It shall be further understood that driving on the Owner's sidewalks is not permitted. The successful Vendor will be responsible for their motorized vehicles and all violations identified to their vehicles. Any exigent circumstances are to be directed to the Department of Public Safety, Parking Services, (660) 785.7400.
- U. Cleaning. The selected Vendor shall keep the premises clean and orderly at all times, and upon leaving the job site, shall thoroughly clean the premises. The job site shall be left clear of clutter such as food bags, soda cans, or soda cups at the end of each work day. This includes both the work area and any break areas. Any trash should be left in building centralized trash receptacles.
- V. Safety and Security Policies: Truman maintains a zero tolerance for any type of workplace violence. The vendor is prohibited from making threats, threatening conduct or any acts of aggression or violence. The use or possession of firearms or any other weapon is prohibited. The vendor will not enter private areas such as offices or dormitory floors without the presence of an authorized Truman employee.
- W. Prior to the completion of the project, the selected Vendor shall also remove any material considered a hazardous waste material or materials that would incur a fee to analyze and determine the method for disposal. The Owner's Environmental Safety Specialist, or his designate, shall be contacted to inspect the job site to verify no such materials are left present prior to final payment being released to the selected Vendor.
- **X.** If the Vendor's proposal contains any information deemed to be a trade secret or proprietary, this information must be identified. This information will not be disclosed outside Truman or duplicated other than to evaluate the Vendor's proposal. This restriction will not include price information.
- **Y.** The selected Vendor will be given a Missouri State 5060 Tax Exemption form to use during the project for any parts or materials that need to be purchased for this project.
- **Z.** The selected Vendor, and all subcontracted Vendors, doing business with Truman must agree not to discriminate on the basis of race, color, religion, national origin, sex, disability or veteran status. If discrimination by the selected Vendor or subcontracted Vendor is found to exist, Truman will take appropriate action which may include, but not be limited to, cancellation of the contract, removal from all Respondents' lists until corrective action is made and ensured, and referral to the Attorney General's Office.
- **AA.** The selected vendor shall have thorough and complete knowledge of the Americans with Disabilities Act of 1990 and agrees to provide complete capabilities to meet or exceed all requirements required of this Act for the project awarded.

BB. Buy American – Domestics Products Procurement Act. The Missouri Domestic Products Procurement Act (34.350-34.359 RSMo) requires that for all bids with a value of \$25,000 or more, the goods or commodities purchased by any public agency or used or supplied in the construction, alteration, repair, or maintenance of any public works must be manufactured or produced in the United States unless such purchase would increase the cost of the contract by more than ten percent (10%) or would contravene any existing treaty, law, agreement, or regulation of the United Stated. As defined in 34.350 RSMo, United States means the United State of America, the District of Columbia, and all territories and possessions subject to the jurisdiction of the United States. The law also requires that the Vendor must provide proof of compliance. In order to receive preference for providing products, which meet the requirements outlined in the Missouri Domestic Products Procurement Act, the Vendor must complete, sign and return the form provided with this packet with their bid. If this form is not completed, signed, and returned, the items bid will not be considered to meet the requirements for preference.

In accordance with the State of Missouri (HB 1729) legislation passed and signed by the Governor of Missouri, public works projects valued \$75,000 or less are not subject to the Prevailing Wage Law. If the project will exceed \$75,000, the selected Vendor agrees to comply with Chapter 290, Revised Statutes of Missouri, which concerns the payment of prevailing wages on public works. A link to the State of Missouri, Division of Labor Standards Annual Wage Order No. 31, Section 001, Adair County, Annual Incremental Wage Increase, effective April 17, 2024 (Last updated March 8, 2024) is included hereto and is a part of the contract. https://laborwebapps.mo.gov/dls/prevailingwage. Not less than the prevailing hourly rate of wages determined by the Division shall be paid by a Vendor or subcontractor. Vendor will forfeit a penalty to the Owner One Hundred Dollars (\$100) per day (or portion of a day) for each worker that is paid less than the prevailing rate for work done under the contract by the Vendor or by any Subcontractor under them. Vendor will provide Truman, Certified Payroll Records and a Prevailing Wage Affidavit prior to an approved invoice for work performed.

- CC. Executive Order 03-27: Executive Order 03-27 states Missouri state government agencies shall purchase a Missouri product unless it is determined that the value (including, but not limited to price, performance and quality) of the Missouri product does not meet the needs of the user. In assessing value, Truman may consider the economic impact to the State of Missouri for Missouri products versus the economic impact of products generated from out of state. This economic impact may include the revenues returned to the state through tax revenue obligations. In addition to the above, Vendors must provide the following information:
 - 1. A description of proposed services and /or the proposed products that will be provided by Missourians.
 - 2. A description of the economic impact returned to the State of Missouri through tax revenue obligations.
 - **3.** A description of the Vendor's economic presence within the State of Missouri (e.g., type of facilities: sales offices; sales outlets; divisions; manufacturing; warehouse; other including Missouri employee statistics).
 - **4.** If any products and/or services offered under this RFP are being manufactured or performed at sites outside the continental United States, the Vendor must disclose such fact and provide details with their proposal.
 - 5. MBE/WBE Certification. In accordance with Executive Order 98-21, Vendors are encouraged and may be required per the RFP to utilize certified minority and women-owned business in selecting other appropriate resources. Executive Order 98-21 directs state agencies to increase the participation of certified minority business enterprises (MBE) and women business enterprises (WBE) in state procurements. MBE/WBE certification by the State of Missouri, Office of Administration, and Office of Equal Opportunity is required to be considered an eligible MBE/WBE in meeting participation goals. If you qualify as a MBE or a WBE as defined in 37.020 RSMo, please mark the appropriate blank below. To obtain an application for certification, go to the https://oeo.mo.gov/.

(1)	MRE	WRF	Roth

In the evaluation of proposals, preferences shall be applied in accordance with Chapter 34 RSMo. Vendors should apply the same preferences in selecting other appropriate resources. By virtue of statutory authority, a preference will be given to materials, products, supplies, provisions and all other articles produced, manufactured, made or grown within the State of Missouri. Such preferences shall be given when quality is equal or better and delivered price is the same or less.

Truman reserves the right to consider historic information and fact, whether gained from the Vendor's proposal response, question and answer conferences, references, or any other source, in the evaluation process. The final determination of award shall be made by Truman. Pursuant to Section 610.021 RSMo, proposals and related documents shall not be available for public review until after a contract is executed or all proposals are rejected. Truman will notify all Vendors responding to this RFP the Vendor whom has been selected to perform these services. Any proposal award protest must be received within 20 days after the date of award.

- **DD.** Alternate Bid: An amount proposed by Vendors and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Specification are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.
- **EE.** Materials and/or products of approved equal:
 - 1. Where materials and/or products are specified by name of manufacturer, brand, trade name, or catalog number, only such specified items may be used in the Base Bid. Where two or more materials and/or products are named as equals, the choice of the listed equals shall be optional with the successful Vendor.
 - 2. The first named manufacturer's equipment has been used to determine space requirements. Should another manufacturer's equipment be used in preparing proposals Vendor shall be responsible for determining and coordinating that said equipment will fit the allocated space.
 - **3.** When several manufacturers are named in the project specifications, the corresponding product and models made by the specified manufacturers will be accepted and the bid may be based on any one of the products. However, if the bid is based on the products other than first name specified, it shall be understood that there will be no extra cost involved whatsoever, and the cost effect on other trades has been included in the proposal.
 - **4.** If a Vendor desired to substitute any other material and/or product as an approved equal, they must obtain approval at least three (3) days prior to the date set for opening of the bids. The request by a Vendor for an approved equal must be accompanied by data substantiating the claim that the material or products are comparable to those specified, and the request must be submitted by the Vendor sufficiently far in advance for the Owner to make an informal decision prior to the opening of bids. Approval of the substitute shall be by Addendum sent to all Vendors.
 - **5.** Previous approval by the Owner of materials and products for other projects does not constitute approval for this project.

END OF GENERAL REQUIREMENTS

PROJECT NO. CP2025-001

BID DATE: Thursday, July 18, 2024 BID TIME: 2:00 PM

DDODOCAL FORM

rkoi	OSAL FURNI	
Propo	sal of	
_		(hereafter referred to as Vendor)
TO:	Truman State University Campus Planning 100 McClain Hall Kirksville, MO 633	
FOR:	KIRK BUILDING	- AUDIO / VIDEO TECHNOLOGY BID
necess set for	ary for procurement and the in the Specification	by proposes and agrees to furnish all material, labor, tools, equipment, services, etc., d installation of furniture and equipment as specified herein on Truman's campus as ons and General Requirements for the KIRK BUILDING – AUDIO / VIDEO 5-001 dated June 26, 2024.
BASE	BID: Truman to pay	
Dollar	rs (\$	
Vendo	r acknowledges receipt	of the following addenda:
ADDE	NDUM No	DATED

Vendor hereby certifies that:

ADDENDUM No.

ADDENDUM No.

- 1. Vendor has read and understands the Bidding Documents, and this Bid is made in accordance therewith;
- 2. Vendor has visited the site, has familiarized themselves with the local conditions under which the Work is to be performed and has correlated its observations with the requirements of the proposed Contract Documents;

DATED

DATED ____

- 3. Bid is based upon the information for materials, labor, services, etc. required by the Bidding Documents without exception:
- 4. Vendor will not later request and will not later expect to receive additional payment for work related to conditions which can be determined by examination of the site and the Bidding Documents;
- 5. Bid is genuine and is not made in the interest of or on behalf of an undisclosed person, firm or corporation;
- 6. Vendor has not directly or indirectly induced or solicited any other vendor to put in a false or sham proposal;
- 7. Vendor has not solicited or induced any person, firm or corporation to refrain from bidding;
- 8. Vendor understands work (acquiring of equipment/materials) may commence upon acceptance of a Purchase Order/Contract from Truman. The installation is to begin October 2024, possibly end of September or as agreed upon. Construction on the facility is scheduled to be substantially complete by end of December 2024. Delivery of equipment must be coordinated with ITS.

Bids submitted must be firm. No bids containing escalator clauses will be accepted. To receive consideration, bids must be based on this form and signed in full by an officially designated vendor representative. Prices must be based on stated units and extended. Installation will include onsite project management, delivery, assembly, setup and placement of furniture/equipment, and removal and disposal of all cartons and packing materials.

Vendors must follow the specific bid form when submitting the best offer. Accompanied by the completed form should be a formal quote broken out by line item in the same sequence as the specification document.

The award of a contract resulting from the proposal form shall be based on the bid providing the best overall value to Truman. Failure to provide adequate information for evaluation of the criteria shown may result in minimal subjective consideration and/or in rejection of the bid. Truman will evaluate all bids and will award the bid or bids which, in the sole opinion of Truman; best serves the interests of Truman.

Truman reserves the right to award the business to more than one vendor if doing so is deemed to be in the best interest of Truman.

Once bid is awarded, the selected vendor must provide a tagged floor plan and installation schedule. Any additional charges or changes need to be in writing and approved before proceeding with any work. It shall be the vendor's responsibility to ask questions, request changes or clarifications, or otherwise advise the ITS Office if any language, specifications or requirements appear to be ambiguous, contradictory and/or arbitrary stated in the information for bid. The vendor must submit such in writing no later than three (3) calendar days prior to the information for bid opening date to the email provided.

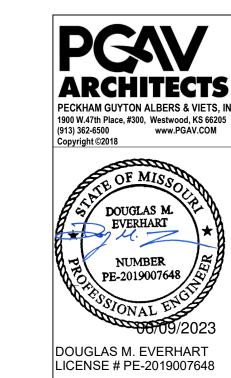
- 9. Vendor to submit qualification statement not limited to:
 - a. Licensed to perform work of this type in the project jurisdiction.
 - b. At least five (5) years of verifiable direct experience with the devices, equipment and systems of the type and scope specified herein.
 - c. Prior successful experience of projects of similar size, scope and type as outlined in these documents.
 - d. Skilled workers thoroughly trained and experienced in the necessary crafts and completely familiar with the specified requirements and the methods needed for proper performance of the work in this section.
 - e. The workers shall have at least three (3) years direct experience in similar work, evidence of which shall be verified in writing with appropriate references.
 - f. Supervisor with at least five (5) years direct experience in similar work. The supervisor shall be present for and in responsible charge of all work in the fabrication shop and on the project site during all phases of the installation and testing of the system(s). To assure continuity, this supervisor shall be the same individual throughout the execution of the work unless illness, loss of personnel, or other reasonable circumstances intervene. This person shall act as the Technical System Project manager and shall attend all project meetings.

NAME OF VENDOR		_
ADDRESS		
SIGNATORY	SIGNATURE	
DATED		

No bid is valid unless signed by the person making the bid. State whether your concern is a corporation, a co-partnership, private individual, or individuals doing business under a firm name. If the vendor is a partnership, the bid should be signed with the name of the partnership by one of the partners. If the vendor is a corporation the bid should be signed with the name of the corporation by a person authorized to execute bids on behalf of the corporation.

END OF PROPOSAL FORM

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE NECESSARILY USED ON THE DRAWINGS. CONDUIT/CIRCUIT GROUP DIVISIONS GENERAL NOTES **AUDIO-VIDEO SYMBOLS** WIRE TYPE AND ABBREVIATIONS **VIDEO** WIRE TYPE (NOTE 2) AUDIO SPECIFICATION REFERENCES: (NOTE 1) ABBREVIATION DEFINITION OR SIGNAL TYPES DESCRIPTIONS **BANDWIDTH** AUDIO TRANSPORT OVER MANUF. PROPRIETARY (NON-IP) PROTO. - REQ. STP CAT6 STP 0-28 VOLT INTO <50 kOHMS CONTROL CIRCUITS 0 Hz TO 250 MHz REFER TO DIVISION 27 SPECIFICATION SECTION "AUDIO-VIDEO SYSTEMS" ACOUSTIC ECHO CANCELING SIGNAL SIGNAL FLOW PANEL/PLATE DESCRIPTION SIGNAL FLOW PANEL/PLATE DESCRIPTION DATA CIRCUITS 2 VOLT PEAK-TO-PEAK INTO 100 OHMS 0 Hz TO 500 MHz AND RELATED DOCUMENTS AND SECTIONS FOR PRODUCT INFORMATION DIGITAL AUDIO OVER AES FORMAT - BALANCED 22 AWG AND ADDITIONAL REQUIREMENTS. FIBER CIRCUITS -30dBU TO +24dBu 20 Hz TO 20kHz UNBALANCED LINE LEVEL AUDIO CIRCUITS CATEGORY AND FIBER CABLING SHALL BE INSTALLED, TERMINATED, AND AUDIO TRANSPORT OVER IP STANDARD PROTOCOL REQUIRING STP CAT6 STP BELOW -30dBu 90m FEMALE 3-PIN XLR PANEL MICROPHONE LEVEL AUDIO CIRCUITS 20 Hz TO 20kHz **BNC PANEL MOUNT** TESTED PER DIVISION 27 SECTION "TELECOMMUNICATIONS REQUIREMENTS MOUNT CONNECTOR PRODUCTION INTERCOM COMMUNICATION CIRCUITS RELAY OR CONTACT CLOSURE CONTROL SIGNAL 22 AWG CONNECTOR -30dBU TO +24dBu 20 Hz TO 20kHz FOR AUDIO-VIDEO SYSTEMS" CONTROL SIGNAL (RS232, RS422, RS485) 22 AWG GREATER THAN +24dBu 20 Hz TO 20kHz SPEAKER LEVEL AUDIO CIRCUITS INCLUDING BOTH LOW LOW CAPACITANCE CONTROL CABLE FOR LONG RUNS (NOTE 3) IMPEDANCE AND HIGH IMPEDANCE (70 VOLT) TYPES **GENERAL PATHWAY NOTES** 0 Hz TO 250 MHz CONTROL SIGNAL OVER MANUF. PROPRIETARY PROTOCOL (NOTE 3) CABLE END BNC CONNECTOR VIDEO CIRCUITS 1 VOLT PEAK-TO-PEAK INTO 75 OHMS MALE 3-PIN XLR PANEL MOUNT ALL BUILDING INFRASTRUCTURE, CONDUIT, AND PATHWAYS INCLUDING BUT DVI VIDEO SIGNAL PREMADE GREATER THAN +24dBu 5 MHz TO 3GHz RF LEVEL CIRCUITS INCLUDING WIRELESS MICROPHONE, CONNECTOR NOT LIMITED TO CONDUIT, RACEWAYS, CABLE TRAYS, PEDESTALS, BACK CAT6 STP ANTENNA CABLE, SATELLITE, ASSISTED LISTENING DIGITAL MEDIA AUDIO/VIDEO/CONTROL SIGNAL BOXES, JUNCTION BOXES, FLOOR BOXES, DOORS, LIDS, AND COVERS ARE PER SYSTEM, AND TV DISTRIBUTION DISPLAY PORT SIGNAL PREMADE DIVISION 27 SECTION "COMMON WORK RESULTS FOR COMMUNICATIONS" 75 OHM BNC TERMINATOR **FIREWIRE IEEE 1394** PREMADE 4.5m UNLESS OTHERWISE NOTED WITHIN THIS DRAWING SERIES SET. FEMALE COMBO 3-PIN XLR AND MINIMUM SEPARATION REQUIREMENTS (NOTE 4) GPI/GPO/GPIO - GENERAL PURPOSE INPUT AND/OR OUTPUT 1/4" PANEL MOUNT REFER TO "MINIMUM SEPARATION REQUIREMENTS" ON THIS SHEET FOR HDMI VIDEO/AUDIO SIGNAL (NOTE 3) CONNECTOR RGBHV HD-15 PANEL MOUNT POWER* CONDUIT SPACING INFORMATION. HD-SDI PER SMPTE 292M RG-59 CONNECTOR NO SEP ADJACENT ADJACENT ADJACENT ADJACENT RG-6 PROVIDE CONTINUOUS UNOBSTRUCTED CABLE PATH FOR ENTIRE LENGTH OF NO SEP ADJACENT ADJACENT FEMALE 4-PIN XLR PANEL ADJACENT CABLE RUN. EXPOSED CABLING MAY REQUIRE CONDUIT TRANSITION(S) TO RGBHV HD-15 CABLE MOUNT MOUNT CONNECTOR ADJACENT NO SEP ADJACENT INTERCOM (PRODUCTION) 22 AWG ACHIEVE A COMPLETE PATHWAY. REFER TO "CIRCUIT ROUTING" ON THIS CONNECTOR NO SEP SHEET FOR ADDITIONAL REQUIREMENTS. INFRARED CONTROL SIGNAL PREMADE NO SEP VARIABLE VOLTAGE CONTROL SIGNAL 22 AWG DVI PANEL MOUNT COORDINATE ANY CONFLICTS WITH APPROPRIATE DISCIPLINES. ADJACENT ADJACENT ADJACENT NO SEP LINE LEVEL AUDIO SIGNAL 22 AWG MALE 4-PIN XLR PANEL MOUNT CONNECTOR ADJACENT ADJACENT CONNECTOR ETHERNET CAT6 REFER TO LIFE SAFETY PLANS FOR LOCATION OF FIRE-RATED AND SMOKE-POWER* PER NEC LOUDSPEAKER LEVEL AUDIO SIGNAL 2/4/8/16OHM (NOTE 5) RATED WALLS AND FLOORS. PROVIDE LISTED FIRESTOPPING SYSTEMS FOR DVI CABLE MOUNT *POWER MULTIPLIERS FOR "MINIMUM SEPARATION REQUIREMENTS" TABLE ABOVE PENETRATIONS PER DIVISION 27 SPECIFICATION SECTION "COMMON WORK LOUDSPEAKER LEVEL AUDIO SIGNAL 70V (NOTE 5) CONNECTOR RESULTS FOR COMMUNICATIONS". MICROPHONE LEVEL AUDIO SIGNAL 22 AWG FEMALE 5-PIN XLR PANEL **CIRCUIT CONDITIONS** KEY NOTE A UNSCREEN MADI SIGNAL PROTOCOL RG-6 MOUNT CONNECTOR 2X TABLE 6X TABLE POWER SCREENED **ENVIRONMENTAL CLASS E BOX SCHEDULE NOTES:** HDMI PANEL MOUNT 40km 2X TABLE 0.5X TABLE 120/230VAC 20A 1PH CONNECTOR VERIFY QUANTITIES, LOCATIONS, AND MOUNTING WITH PLAN, DETAIL, AND MIDI CONTROL SIGNAL **PREMADE** 2X TABLE 0.5X TABLE 120/230VAC 32A 1PH EQUIPMENT VIEW DRAWINGS. MULTI-MODE FIBER (NOTE 3) 120/230VAC 63A 1PH 2X TABLE 0.5X TABLE MALE 5-PIN XLR PANEL MOUNT MONO AUDIO SIGNAI 22 AWG **HDMI CABLE MOUNT** 0.5X TABLE 120/230VAC 100A 1PH 2X TABLE CONNECTOR ALL BOXES SHOWN IN SCHEDULE ARE PER DIVISION 27 SECTION "COMMON CONNECTOR **TELEPHONE SIGNAL** 1X TABLE 0.5X TABLE 480VAC 100A 3PH WORK RESULTS FOR COMMUNICATIONS" UNLESS OTHERWISE NOTED PREMADE RGBHV VIDEO SIGNAL WITHIN THIS DRAWING SERIES SET. ENERAL NOTES FEMALE XLR CABLE MOUNT REFERENCE/SYNC/BLACK - BLACK BURST OR TRI-LEVEL SYNCHRONIZATION RG-59 POWER SEPARATION ASSUMES REASONABLE CONDITIONS, REFER TO TIA-569 FOR SPECIFIC REQUIREMENTS DISPLAYPORT PANEL MOUNT CONNECTOR RADIO FREQUENCY RG-58 IN RACK APPLY LISTED FACTORS FOR UNSCREENED POWER CABLES, INCLUDING UNDERGROUND ROUTING IN PVC OR SIMILAR FIELD VERIFY MOUNTING CONDITIONS AND BOX SIZE PRIOR TO CONNECTOR (NUMBER BELOW SYMBOL INSTALLATION. TABLE VALUES MAY BE HALVED WHEN BOTH POWER AND LV CABLING IS IN METAL PATHWAYS PER TIA-569 RF WIRELESS MIC ANTENNA (-5dB @ 800MHz NO AMP) RG-8X INDICATES NUMBER OF PINS) RF WIRELESS MIC ANTENNA (-5dB @ 800MHz NO AMP) RG-213 DISPLAYPORT CABLE MOUNT WALL MOUNTED BOXES SHOWN AT SWITCH OR CONVENIENCE OUTLET MAXIMUM QUANTITY ARMORED OR SCREENED RADIAL POWER CIRCUITS WITH NO LOW VOLTAGE CABLE PROTECTION RF WIRELESS MIC ANTENNA (-5dB @ 800MHz NO AMP) RG-8/U MALE XLR CABLE MOUNT CONNECTOR HEIGHT SHALL MATCH MOUNTING HEIGHT OF ADJACENT BOXES ON WALL CONNECTOR SATELLITE INTERMEDIATE FREQUENCY SIGNAL (TYPICALLY L-BAND) RG-59 IN RACK CIRCUIT ROUTING (NUMBER BELOW SYMBOL DROP F-STYLE RF PANEL MOUNT INDICATES NUMBER OF PINS) DISTRO WALL MOUNTED TERMINATION GANG BOXES SHALL BE MOUNTED 18" A.F.F. CONNECTOR CONDUI J-HOOK **DIVIDED CABLE TRAY** TO CENTER OF DEVICE UNLESS OTHERWISE NOTED. SERIAL DIGITAL INTERFACE PER SMPTE 259M PREMADE 950' RG-6 **FROM STUB** 1150' **HOME RUN** SPEAKER SEGMENT **AV SEGMENT DATA SEGMENT** 1/4" 3-CONDUCTOR PANEL WALL MOUNTED TERMINATION NEMA AND MANUFACTURER SPECIFIC BOXES F-STYLE RF CABLE MOUNT 1850' ALLOWED ALLOWED ALLOWED **PROHIBITED** ALLOWED MOUNT CONNECTOR **ALLOWED** SHALL BE MOUNTED 16" A.F.F. TO BOTTOM OF DEVICE UNLESS OTHERWISE CONNECTOR (NOTE 3) 2.5Km ALLOWED ALLOWED ALLOWED **PROHIBITED** ALLOWED SINGLE-MODE FIBER PROHIBITED SPDIF PREMADE PROHIBITED DIGITAL AUDIO OVER S/PDIF REQUIRED **PROHIBITED PROHIBITED** PROHIBITED 10m PROHIBITED SURFACE MOUNTED BOXES SHALL BE PAINTED TO MATCH SURROUNDING 1/4" 3-CONDUCTOR CABLE ALLOWED ALLOWED ALLOWED PROHIBITED PROHIBITED STEREO AUDIO SIGNAL PREMADE PROHIBITED VIDEO PATCH PANEL JACK MOUNT CONNECTOR **ALLOWED** ALLOWED ALLOWED **ALLOWED** PROHIBITED 22 AWG PROHIBITED 24 AWG **ALLOWED** ALLOWED ALLOWED **PROHIBITED** ALLOWED PROHIBITED COORDINATE ANY CONFLICTS WITH APPROPRIATE DISCIPLINES. PROHIBITED THUNDERBOLT SIGNAL PREMADE REQUIRED **PROHIBITED PROHIBITED** PROHIBITED PROHIBITED 1/8" 3-CONDUCTOR MINI PANEL PROHIBITED RG-59 **TIMECODE** LIFE SAFETY REQUIRED PROHIBITED PROHIBITED PROHIBITED **GENERAL PANEL AND PLATE NOTES:** PROHIBITED TRIAX MALE MOUNT CONNECTOR TIE LINES MICROPHONE LEVEL 22 AWG **CIRCUIT REQUIREMENTS:** CUSTOM TERMINATION COVER PANELS AND PLATES SHALL BE PROVIDED LINE LEVEL 22 AWG REFER TO SPECIFICATIONS AND NEC FOR CABLE CLASSIFICATION REQUIREMENTS PER SPECIFICATION SECTION "AUDIO-VIDEO SYSTEMS" REQUIREMENTS LOUDSPEAKER LEVE (NOTE 4) 2. ALL FIBER CIRCUITS NOT IN HOME RUN CONDUIT SHALL BE ARMOR JACKETED 1/8" 3-CONDUCTOR MINI CABLE AND SHALL BE SIZED TO APPROPRIATELY SELF-TRIM THEIR 3. LIFE SAFETY CIRCUITS MAY BE COMPOSED OF ANY CIRCUIT GROUP WHERE THE SYSTEM OR CABLE IS SERVING AN EMERGENCY OR LIFE SAFETY (NOTE 4) CORRESPONDING BACK BOX. MOUNT CONNECTOR TRIAX FEMALE FUNCTION PER NEC AND/OR NEPA AUDIO SIGNAL OVER TWISTED PAIR CAT6 4. REFER TO SPECIFICATIONS FOR REQUIREMENTS RELATED TO CABLING WITHIN UNDERGROUND CONDUITS ALL PANELS AND PLATES SHALL BE 1/8" THICK (MINIMUM) BLACK ANODIZED CONTROL SIGNAL OVER TWISTED PAIR CAT6 SPEAKON JACK, HOME RUN CONDUIT REQUIREMENTS: ALUMINUM WITH ENGRAVED OR LASER ETCHED LETTERING OF A TELEVISION SIGNAL OVER TWISTED PAIR CAT6 2-CONDUCTOR BLANK. . WHERE LISTED DESTINATION IS AN EQUIPMENT ROOM OR RACK WITHIN AN EQUIPMENT ROOM (E.G. R:1738), CONDUITS SHALL TERMINATE WITHIN CONTRASTING COLOR. DEFAULT ENGRAVED TEXT COLOR SHALL BE WHITE. VIDEO SIGNAL OVER TWISTED PAIR CAT6 4-CONDUCTOR SHOWN UTILIZE 3/16" UPPER CASE LETTERING, SANS-SERIF FONT. VERIFY PLATE ROOM FOR CABLE TO CONTINUE TO EQUIPMENT RACK VIA LADDER RACK OR SIMILAR RG-59/U IN ROOM SMPTE 304 SOCKET (MALE) TRIAX VIDEO CAMERA CABLE 2. CIRCUITS OF LIKE GROUPS MAY BE CONSOLIDATED ALONG PATH WITH CONDUITS UPSIZED PER NEC COLOR WITH ARCHITECT. 2950 CONDUIT STUB & J-HOOK REQUIREMENTS: SPEAKON PLUG. RG-59 IN RACK CABLE TELEVISION DISTRIBUTION SIGNAL REINFORCE PLATE AND/OR INCREASE PLATE THICKNESS TO MINIMIZE I. PROVIDE WALL PENETRATIONS AS NECESSARY. ALL PENETRATIONS MUST CONSIST OF CONDUIT WITH BUSHINGS OR EZ-PATH PER SPECIFICATIONS SIMILAR TO ABOVE DROP . REFER TO SPECIFICATIONS FOR FIRE STOPPING REQUIREMENTS DISTRO . OPEN CABLING IS NOT PERMITTED IN AREAS EXPOSED TO STRUCTURE. WHERE CABLE TRAY IS NOT PROVIDED, ROUTE IN CONDUIT UNTIL OUT OF SMPTE 304 PLUG (FEMALE) UTILIZE COUNTERSUNK SCREW HEADS. SCREWS HEADS SHALL MATCH 1/2" HARDLINE TRUNK EXPOSED AREA AT A MINIMUM PLATE COLOR. MALE DT12 PANEL MOUNT UNIVERSAL SERIAL BUS SIGNAL PREMADE CABLE TRAY REQUIREMENTS PREMADE CONNECTOR USB VERSION 1.0 ANY PANEL AND PLATE DETAILS OR INFORMATION RELATED TO . REQUIREMENTS INDICATE THE ACCEPTABLE CABLE TRAY ALLOCATION OF SIGNALS BETWEEN CABLE TRAY DIVIDERS PREMADE TERMINATION PLATING CONTAINED IN THIS SET ARE INCLUDED FOF USB VERSION 2.0 . "DIVIDER" INDICATES A CABLE TRAY DIVIDER EQUAL TO THE HEIGHT OF THE TRAY AND SUFFICIENT TO PROVIDE AN EMI BARRIER. REFER TO COMMUNICATION OF FABRICATION REQUIREMENTS AND ARE FOR CONCEPT USB VERSION 3.0 PREMADE CONTROL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS ONLY. LAYOUTS DO NOT REFLECT SPECIFIC REQUIREMENTS FOR THIS COMPOSITE VIDEO SIGNAL FEMALE DT12 PANEL MOUNT PROJECT UNLESS SPECIFICALLY STATED AS SUCH. VERIFY SIZES OF ALL SIGNAL FLOW PANEL/PLATE DESCRIPTION CONNECTOR COMPONENTS AND BOXES PRIOR TO SUBMITTAL OF SHOP DRAWINGS. COMPONENT VIDEO SIGNAL RG-59 FIELD VERIFY THE SIZE OF ALL COMPONENTS AND BOXES PRIOR TO COM (DB-9) PANEL MOUNT INSTALLATION. MODIFY PLATE SIZES IN THE CASE OF ALTERATIONS TO RG-6 CONNECTOR PATHWAY LEGEND FIELD CONDITIONS. 3G-SDI PER SMPTE 424M PLAN LEGEND RG-59 SIGNAL FLOW PANEL/PLATE DESCRIPTION COM (DB-9) CABLE MOUNT REFER TO SPECIFICATIONS FOR SUBMITTAL AND ADDITIONAL PANEL AND **CONDUIT PATH** BOX AND PLAN SYMBOLS PLATE REQUIREMENTS. CONNECTOR ST FIBER PANEL MOUNT (NOTE 4) CONNECTOR **CABLE TERMINATION NOTES:** WALL BOX. "X" INDICATES FUNCTION OF BOX DENOTES PORTION OF ITEM X## CONDUIT PATH CONTINUES ON TO DESTINATION AS (REFER TO BOX LABEL LEGEND). "##" INDICATES COMPLY WITH ALL MANUFACTURER REQUIREMENTS ST FIBER CABLE MOUNT ALL AUDIO TERMINATIONS SHOULD COMPLY WITH RANE CORPORATION IR EMITTER BOX DESIGNATION CONNECTOR 1 SIGNAL FLOW SIGNAL TYPE ABBREVIATION. RANENOTE 110 REFERENCE FOR SOUND SYSTEM INTERCONNECTION. FLOOR BOX. SIMILAR TO ABOVE. 2 CABLE DISTANCE LIMITATION. CONTACT CONSULTANT FOR CONDITIONS OUTSIDE PARAMETERS. CONDUIT STUB TO ACCESSIBLE PORTION OF LC FIBER PANEL MOUNT CEILING. BUSH CONDUIT ENDS. **EQUIPMENT RACK NOTES** 3 REFER TO SPECIFICATION FOR WIRE TYPE USB TYPE A PANEL MOUNT CONNECTOR 4 REFER TO SIGNAL FLOWS FOR WIRE TYPE —— POKE THRU. SIMILAR TO ABOVE REFER TO SPECIFICATIONS FOR RACK LAYOUT SUBMITTAL REQUIREMENTS. CONNECTOR CONDUIT STUB TO BELOW RAISED FLOOR 5 REFER TO SCHEDULES FOR WIRE TYPE. LC FIBER CABLE MOUNT IF PRESENT, OTHERWISE BELOW FLOOR CONNECTOR SLAB. BUSH CONDUIT ENDS. ANY RACK LAYOUTS OR INFORMATION RELATED TO EQUIPMENT RACKING CEILING MOUNTED BOX. SIMILAR TO ABOVE. SIGNAL FLOW BLOCK LEGEND USB TYPE A CABLE MOUNT CONTAINED IN THIS SET ARE FOR CONCEPT ONLY. VERIFY RACK LAYOUT CONDUIT IN/UNDER FLOOR/GROUND HYBRID FIBER PANEL MOUNT FOR EQUIPMENT FURNISHED PRIOR TO SUBMITTAL OF SHOP DRAWINGS. CONNECTOR CONSTRUCTION CONNECTOR FLUSH MOUNTED CEILING LOUDSPEAKER. "S##" REVISE AS REQUIRED FOR ALTERNATES ACCEPTED OR REJECTED. DESIGNATOR INDICATES LOUDSPEAKER IF THERE ARE DIFFERENCES IN EQUIPMENT RACKING INFORMATION TO IDENTIFICATION INFORMATION. Block Description USB TYPE B PANEL MOUNT SPECIFICATION REFERENCE HYBRID FIBER CABLE MOUNT EXPOSED CABLE PATH. NO CONDUIT. THAT SHOWN ON THE SIGNAL FLOW DIAGRAMS, SIGNAL FLOWS SHALL TAKE CONNECTOR PENDANT MOUNTED LOUDSPEAKER. "S##" CONNECTOR DEVICE IDENTIFICATION AND LABEL DESIGNATOR INDICATES LOUDSPEAKER CABLE TRAY. SIZE AS INDICATED ON PLANS Y/S/V 1 Y/S/V 1/2 IDENTIFICATION INFORMATION. **UTP PANEL MOUNT** LOUDSPEAKER INSTALLATION NOTES USB TYPE B CABLE MOUNT CEILING MOUNTED MICROPHONE. SIMILAR TO CONNECTOR CONNECTOR ABOVE. NO BACK BOX. ANY STRUCTURAL DETAILS, STRUCTURAL MEMBER TYPES, SIZES, AND Y/S/V 2 Y/S/V 3 -SIGNAL TYPE (TYPICAL) ATTACHMENT METHODS CONTAINED IN THIS SET ARE SHOWN FOR CEILING MOUNTED CAMERA. SIMILAR TO ABOVE UTP CABLE MOUNT SEE WIRE TYPE AND ABBREVIATIONS CONCEPT ONLY. FINAL DESIGN, INCLUDING DOCUMENTATION STAMPED BY CONNECTOR NO BACK BOX USB TYPE C PANEL MOUNT SCHEDULE REFER TO BOX SCHEDULE FOR ADDITIONAL INFORMATION. STRUCTURAL ENGINEER (PROVIDED AS PORTION OF SHOP DRAWING CONNECTOR REQUIREMENTS), SHALL BE MADE BY THE CONTRACTOR AND SHALL BE R/Y 3 TYPICAL BOX SYMBOLS LABEL LEGEND VERIFIED BY THE OWNER AND AV CONSULTANT. RJ-45 STANDARD PANEL MOUNT CONNECTOR USB TYPE C CABLE MOUNT WALL BOX. "YY" INDICATES TYPE. REFER TO TYPICAL REFER TO SPECIFICATIONS FOR ALL MOUNTING, INSTALLATION, ACCESS, BOX SCHEDULE FOR ADDITIONAL INFORMATION AND CONNECTOR AND SHOP DRAWING REQUIREMENTS. **ASSORTED RJ-45 STANDARD CABLE** AS INDICATED ON PLANS AND KEY NOTES. DM 6 **BROADCAST** MOUNT CONNECTOR EXPOSED LOUDSPEAKER CIRCUITS UTILIZING STRUCTURAL STEEL CONTROL R/Y 5 FLOOR BOX. CEILING BOX. SIMILAR TO ABOVE. "YY" PATHWAYS SHALL BE ROUTED HIGH WITHIN TRUSS SPACE OR WHERE DEVICES AND CONNECTIONS **DSS SATELLITE RJ-11 PANEL MOUNT** INDICATES SYMBOL TYPE. "-F#" INDICATES UNIQUE OTHERWISE PROTECTED FROM DAMAGE. ROUTING SHALL MINIMIZE **EXISTING** CONNECTOR CIRCUIT LENGTH BETWEEN LOUDSPEAKER AND EQUIPMENT RACK WHERE **FUTURE / BY OTHERS** SIGNAL FLOW DESCRIPTION FEASIBLE. NEATLY BUNDLE CIRCUITS AND FASTEN SECURELY TO GAME CLOCK NOTE: BLANK CELLS ON TYPICAL BOX SCHEDULE INDICATE INFORMATION STRUCTURE TO ENSURE PROPER SUPPORT AND PROTECTION. TO **RJ-11 CABLE MOUNT** PROVIDED ELSEWHERE JUNCTION / PULL BOX LS R MINIMIZE DAMAGE FROM TEMPORARY RIGGING ACTIVITIES ASSOCIATED CONNECTOR CAMERA WITH SPECIAL EVENT SUPPORT, AVOID ROUTING CIRCUITS IN AREAS PRONE CONDUIT LEGEND Com A LINE-LEVEL AUDIO TO THIS USE, I.E. BOTTOM CHORDS OF TRUSSES. AVOID CONTACT OR MICROPHONE-LEVEL AUDIO CONNECTION TO CHASSIS Com B INDICATES ASSORTED SIGNALS ONLY. "#" CONFLICT WITH OTHER BUILDING ELEMENTS SUCH AS LIGHTING FIXTURES & NOTE: REFER TO DIVISION 27 SECTION "TELECOMMUNICATIONS PRODUCTION INTERCOM BALLASTS, DUCTS, RIGGING, AND SHARP EDGES. CABLE COLOR SHALL SPECIFIES SIZE OF CONDUIT. REQUIREMENTS FOR AUDIO-VIDEO SYSTEMS" FOR ADDITIONAL EQUIPMENT RACK MATCH SURROUNDING ELEMENTS. INFORMATION LOUDSPEAKER-LEVEL AUDIO INDICATES LINE LEVEL SIGNALS ONLY. "#" TELEVISION DISTRIBUTION AUDIO-VIDEO SPECIFIES SIZE OF CONDUIT. VIDEO RUBBER JACKETED WIRELESS / RF INDICATES MICROPHONE LEVEL SIGNALS ONLY. **EXTENSION CABLE** SIGNAL FLOW PANEL/PLATE DESCRIPTION Product Name/Model# -PRODUCT REFLECTING BASIS OF DESIGN "#" SPECIFIES SIZE OF CONDUIT. DIGITAL SIGNAGE DIRECT VIEW LED INDICATES PRODUCTION INTERCOM LEVEL PLAN BOX & CONDUIT EXAMPLE FEMALE RCA PANEL MOUNT FLAT PANEL DISPLAY SIGNALS ONLY. "#" SPECIFIES SIZE OF CONDUIT. PARALLEL CONNECTION LOUDSPEAKER CONNECTOR OR CHANGE IN WIRE TYPE PROJECTOR INDICATES LOUDSPEAKER LEVEL SIGNALS ONLY. PROJECTION SCREEN "#" SPECIFIES SIZE OF CONDUIT. - CONDUIT FROM BOX "A..." TELEVISION "JUNCTION BOX" IN PLAN MALE RCA CABLE MOUNT HOMERUNS TO INDICATED WEBCAM/SOUNDBAR/MIC LOCATION "Q1738" CONNECTOR INDICATES VIDEO SIGNALS ONLY. VW VIDEO WALL REFERENCE BOX SCHEDULE. LOCATION. ANTENNA "#" SPECIFIES SIZE OF CONDUIT. √ J:Q1738:01 CONDUIT BETWEEN - ONE (1) 2" CONDUIT SPECIFIED INDICATES WIRELESS/RF SIGNALS ONLY. "#" PATCH POINT. CONNECT TO "A..." AND "J..." M:Q1738:01 FOR MICROPHONE LEVEL PATCH PANEL PER SPECIFIES SIZE OF CONDUIT. FEMALE PANEL MOUNT SIGNALS ONLY, TERMINATES AT LABEL STANDARD SPECIFICATION ONE (1) 0.75" CONDUIT SPECIFIED MULTIPIN CONNECTOR REQUIREMENTS FOR LINE LEVEL SIGNALS ONLY. 0.75" CONDUIT. X INDICATES SIGNAL TYPE, SEE **CONNECTION BUBBLE** — MULTIPLE CONDUITS. ONE (1) ASSORTED FLOOR BOX IN PLAN UPPER DESIGNATION REFERS FEMALE CABLE MOUNT J:Q1738:01 1.25" CONDUIT SPECIFIED FOR LOCATION "Q1738". NUMBER "01". TO CONNECTION LABEL. MULTIPIN CONNECTOR 1" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE. LOUDSPEAKER LEVEL SIGNALS REFERENCE BOX SCHEDULE. — LOWER DESIGNATION REFERS A:Q1738:02 ONLY, TWO (2) 0.75" CONDUIT DEVICE TYPE LABEL TO THE SHEET NUMBER ON SPECIFIED FOR LINE LEVEL PLAN LOCATION -CONDUIT FROM BOX "A..." WHICH THE CONNECTION IS — 1.25" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE. SIGNALS ONLY, AND ONE (1) UNIQUE IDENTIFIER-HOMERUNS TO INDICATED MALE CABLE MOUNT MULTIPIN CONTINUED. 1.00" CONDUIT SPECIFIED FOR LOCATION. CONNECTOR VIDEO SIGNALS ONLY. **EQUIPMENT / TERMINATIONS** 1.5" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE. HATCHING LEGEND ONE (1) 0.75" CONDUIT _ _ _ _ _ _ _ _ _ _ _ _ WITHIN A COMMON LOCATION SPECIFIED FOR VIDEO LEVEL PATCH JACK PLUG AS LABELED. SIGNALS ONLY. -- 2" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE. $\longrightarrow\longrightarrow\longrightarrow\longrightarrow$ ENLARGED PLAN TRAY DESTINATION. TERMINATE CONDUIT AT TRAY DIVIDER CONDUIT FROM BOX "A..." STUB - 2.5" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE ALTERNATE OUTLINE LOCATION INDICATED FOR USE TO ABOVE ACCESSIBLE CEILING. WITH CONDUIT GROUP DIVISION. -NOT IN SCOPE (NIS) 3" CONDUIT. X INDICATES SIGNAL TYPE, SEE ABOVE. NOTE: FOR TYPICAL BOXES, REFER TO TYPICAL BOX SCHEDULE FOR ADDITIONAL INSTRUCTIONS. FOLLOW CONDUIT REQUIREMENTS AS LISTED IN SCHEDULE AND ANY ADDITIONAL NOTES AS INDICATED ON PLANS. NOTE: PANEL & PLATE CONNECTORS ARE NOT SHOWN TO SCALE



DATE DESCRIPTION KIRK BUILDING RENOVATION

> TRUMAN STATE UNIVERSITY 100 F NORMAL AVE

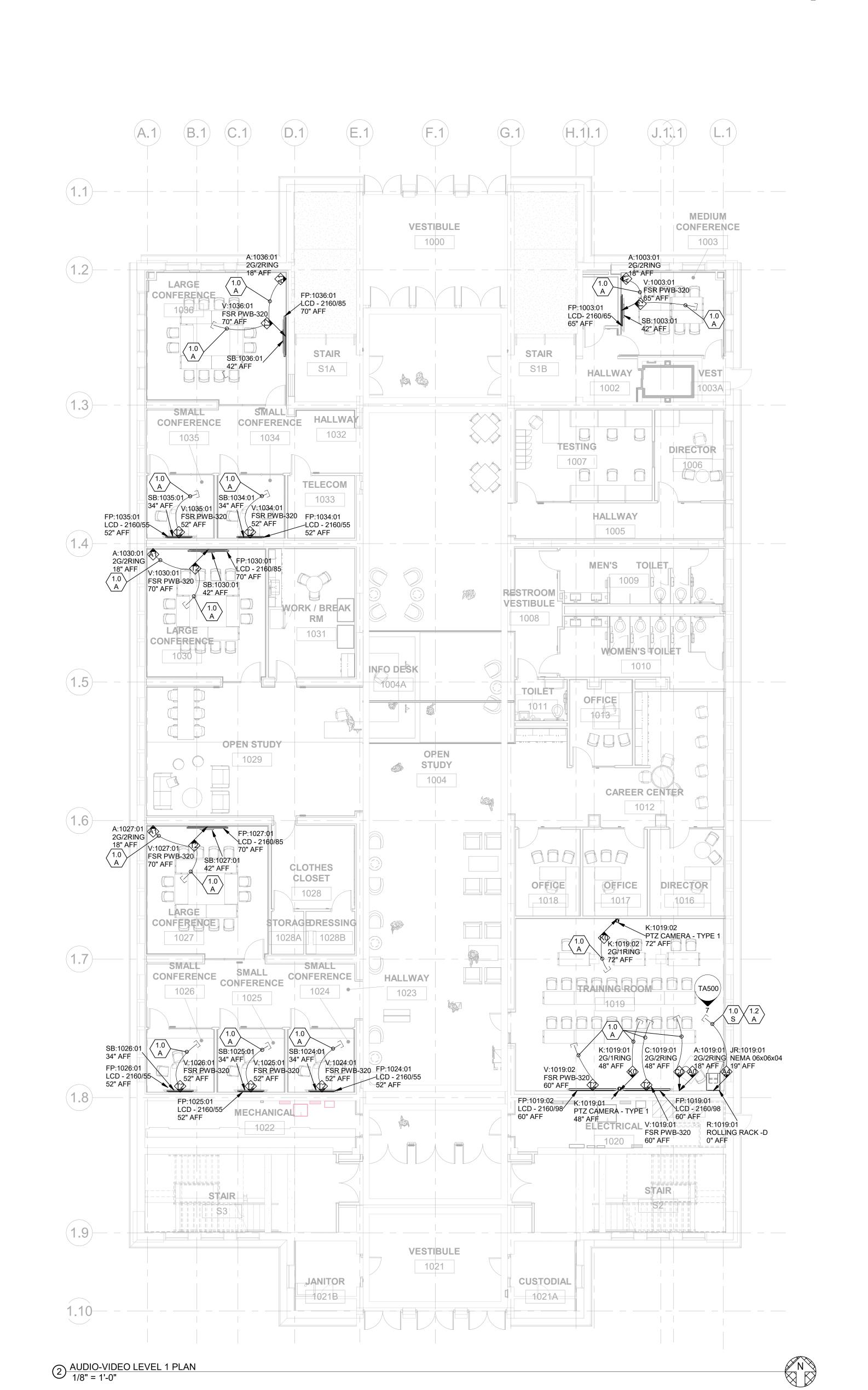
BID DOCUMENTS

KIRKSVILLE, MO 63501

Original Size: 1 1/2" Drawing may have been reduced **AUDIO-VIDEO GENERAL NOTES AND LEGEND**

06/09/2023 CLIENT#

HENDERSON ENGINEERS 8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 **TEL** 913.742.5000 **FAX** 913.742.5001 WWW.HENDERSONENGINEERS.COM 2250002012 MO. CORPORATE NO: E-556D EXPIRES 10/31/2024



H.1).1

ELEVATOR MACHINE

ROOM

HALLWAY

HALLWAY

1005

OFFICE

MEN'S TOILET

WOMEN'S TOILET

1012

OFFICE DIRECTOR

1016

LS:1019:03

LS:1019:01

PRES_SYSTEM

1017

LS:1019:01

M:1019:01

LS:1019:05

S LS:1019:06

M PRES_SYSTEM

TRAINING ROOM

1019

ELECTRICAL

1020

STAIR

1002

TESTING

1007

STAIR

S1B

1008

TOILET

OFFICE

1018

LS:1019:09

S / LS:1019:08

S LS:1019:07

CUSTODIAL

1021A

(J.1).1

MEDIUM

CONFERENCE

1003

DIRECTOR

1006

(G.1)

VESTIBULE

1000

(1.2)

(1.3)

(1.4)

1.5

1.6

(1.7)

(1.8)-

1.9

1/8" = 1'-0"

LARGE CONFERENCE

1036

CONFERENCE

CONFERENCE

1030

LARGE

CONFERENCE

1027

SMALL

1026

HALLWAY

1023

SMALL

CONFERENCE CONFERENCE

MECHANICAL

1022

STAIR

S3

SMALL

OPEN STUDY

1029

SMALL

STAIR

S1A

WORK / BREAK

RM

1031

CLOSET

1028

STORAGE

DRESSING

1028B

SMALL

1024

JANITOR

----1021B

INFO DESK

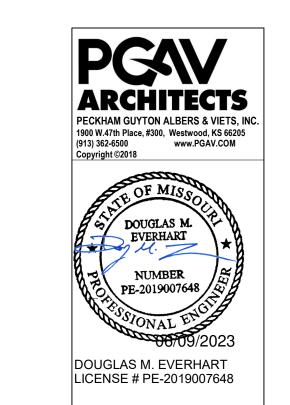
1004A

OPEN

STUDY

1004

VESTIBULE



DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE UNIVERSITY 100 E. NORMAL AVE., KIRKSVILLE, MO 63501

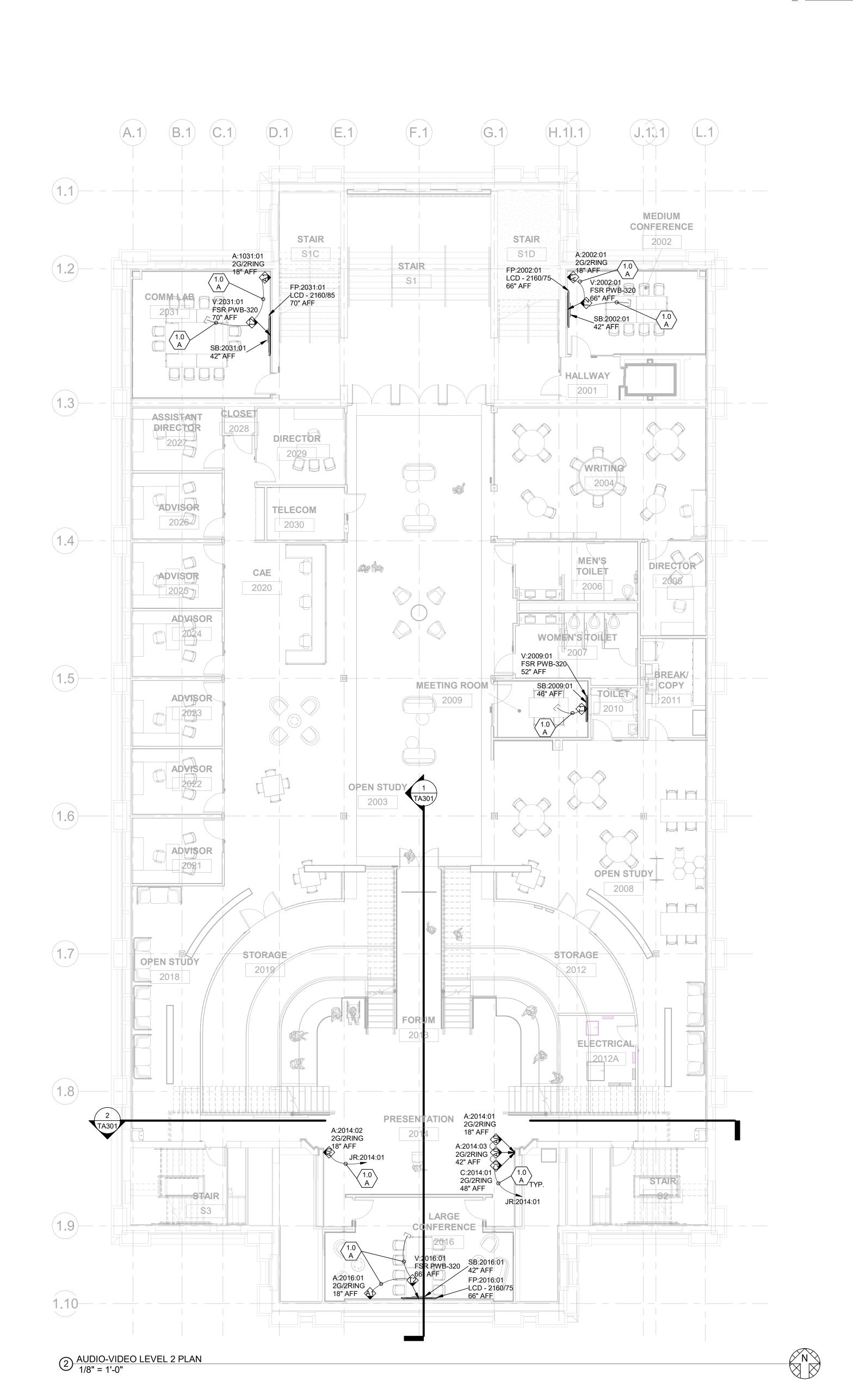
BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced.

0" 1"

AUDIO-VIDEO LEVEL 1 PLAN

DOUGLAS M. EVERHART



H.1).1

STAIR

S1D

STAIR

OPEN STUDY

2003

V:2013:01 2G/2RING 144" AFF

JR:2014:01

FORUM 2013

PRESENTATION
2014

LARGE CONFERENCE

STAIR

S1C

TELECOM 2030

2031

ADVISOR

ADVISOR 2023

ADVISOR 2021

OPEN STUDY

STORAGE

J.13.1

MEDIUM CONFERENCE

2002

WRITING 2004

MEN'S TOILET

2006

WOMEN'S TOLET

MEETINGROOM

VIDEO PROJECTOR CLEARANCE AREA

2009

DIRECTOR

BREAK/ COPY

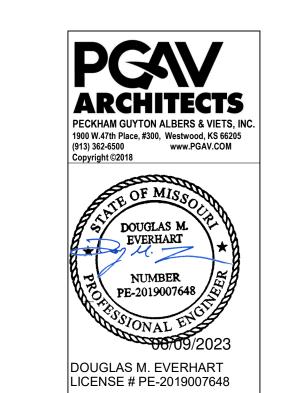
OPEN STUDY

2008

STORAGE

ELECTRICAL

2012A



DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE UNIVERSITY 100 E. NORMAL AVE., KIRKSVILLE, MO 63501

BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced.

0" 1"

AUDIO-VIDEO LEVEL 2 PLAN

DOUGLAS M. EVERHART

(1.2)-

1.3

1.4

1.5

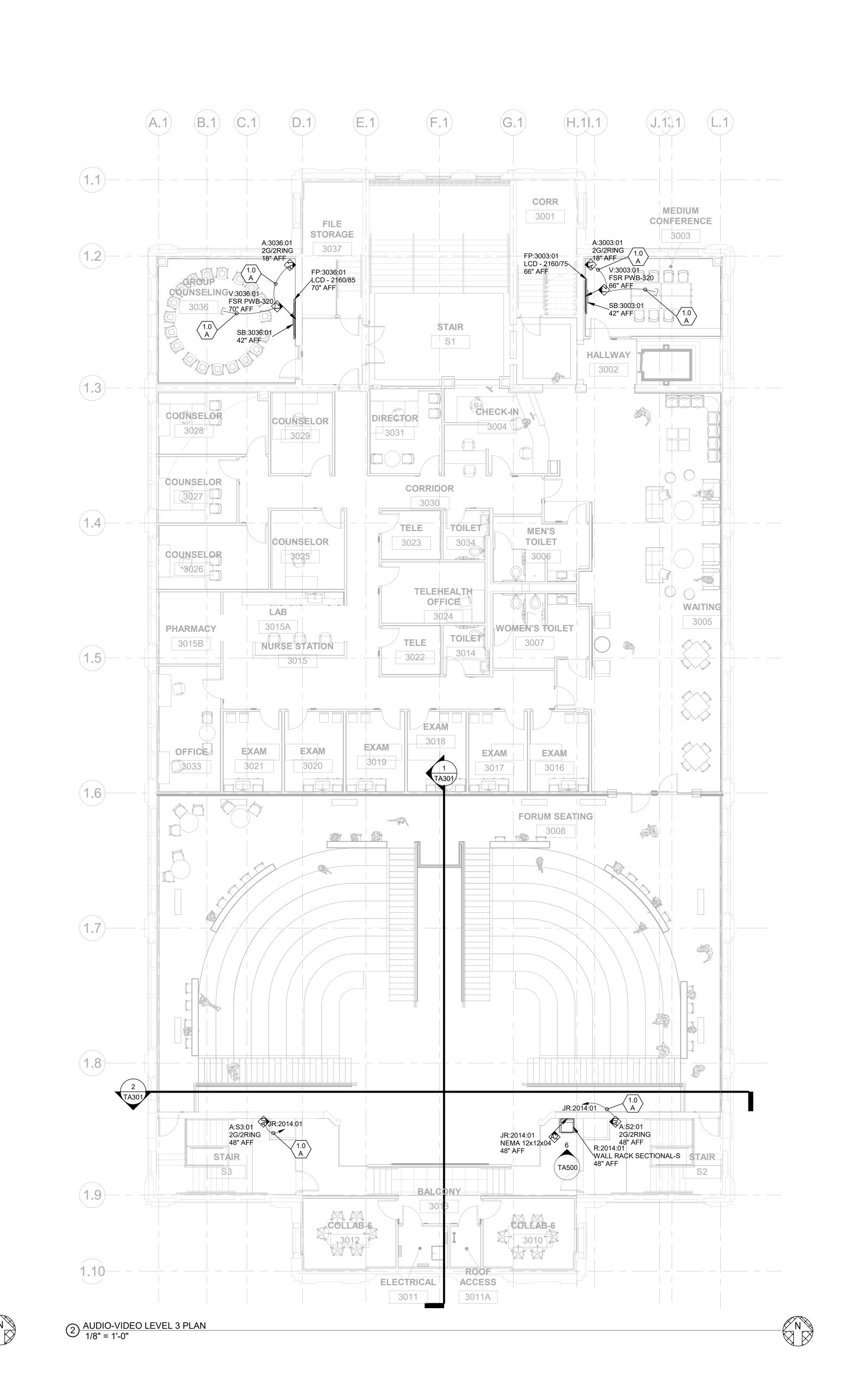
1.6

1.7

1.8

1.9

1/8" = 1'-0"



H.1).1

CORR

3001

MEN'S

TOILET

WOMEN'S TOILET

3007

LS:2013:02 R:2014:01|AMP1-2 336" AFF.

ACCESS

3011A

JR:2014:01

COLLAB-6

3010

STAIR

TELECOM

2030

TELEHEALTH OFFICE

TELE TOILET

3022 3014

TELECOM 2030 CHECK-IN

FILE

STORAGE

3037

COUNSELING

COUNSELOR

NURSE STATION

/ EXAM EXAM

LS:2013:01

COLLAB-6

3012

ELECTRICAL

3011

JS:2013:01 0" AFF

BALCONY

COUNSELOR

PHARMACY

3015B

OFFICE SM)
3033
3-A

STAIR S3

(1.2)-

1.4

1.5

1.6

1.7

1.8

1.9

1.10-

1/8" = 1'-0"

J.13.1

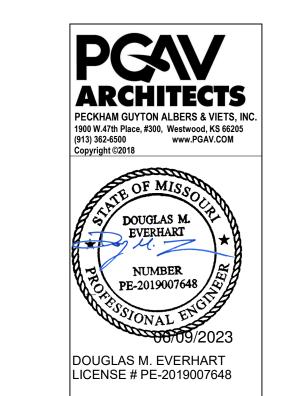
MEDIUM

CONFERENCE

WAITING

3005

STAIR



DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE
UNIVERSITY
100 E. NORMAL AVE.,
KIRKSVILLE, MO 63501

BID DOCUMENTS

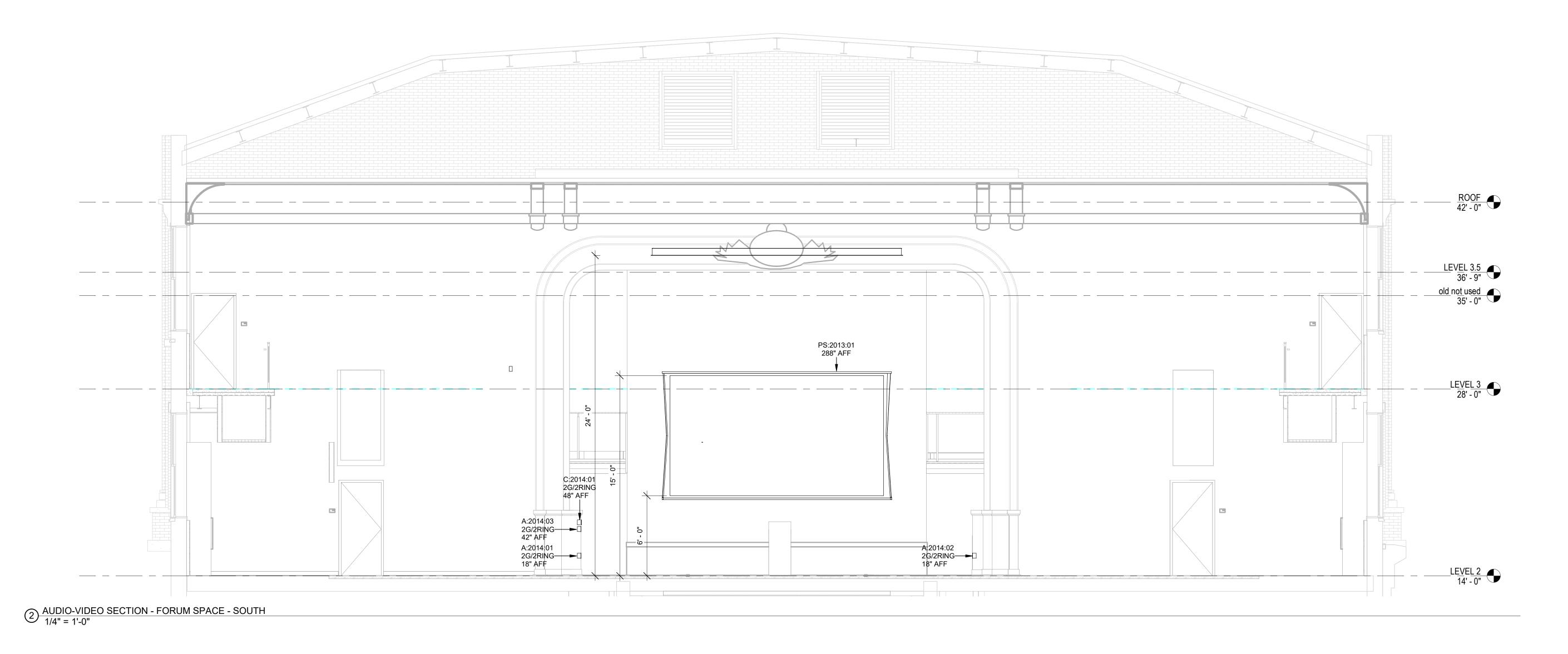
Original Size: 1 1/2" Drawing may have been reduced.

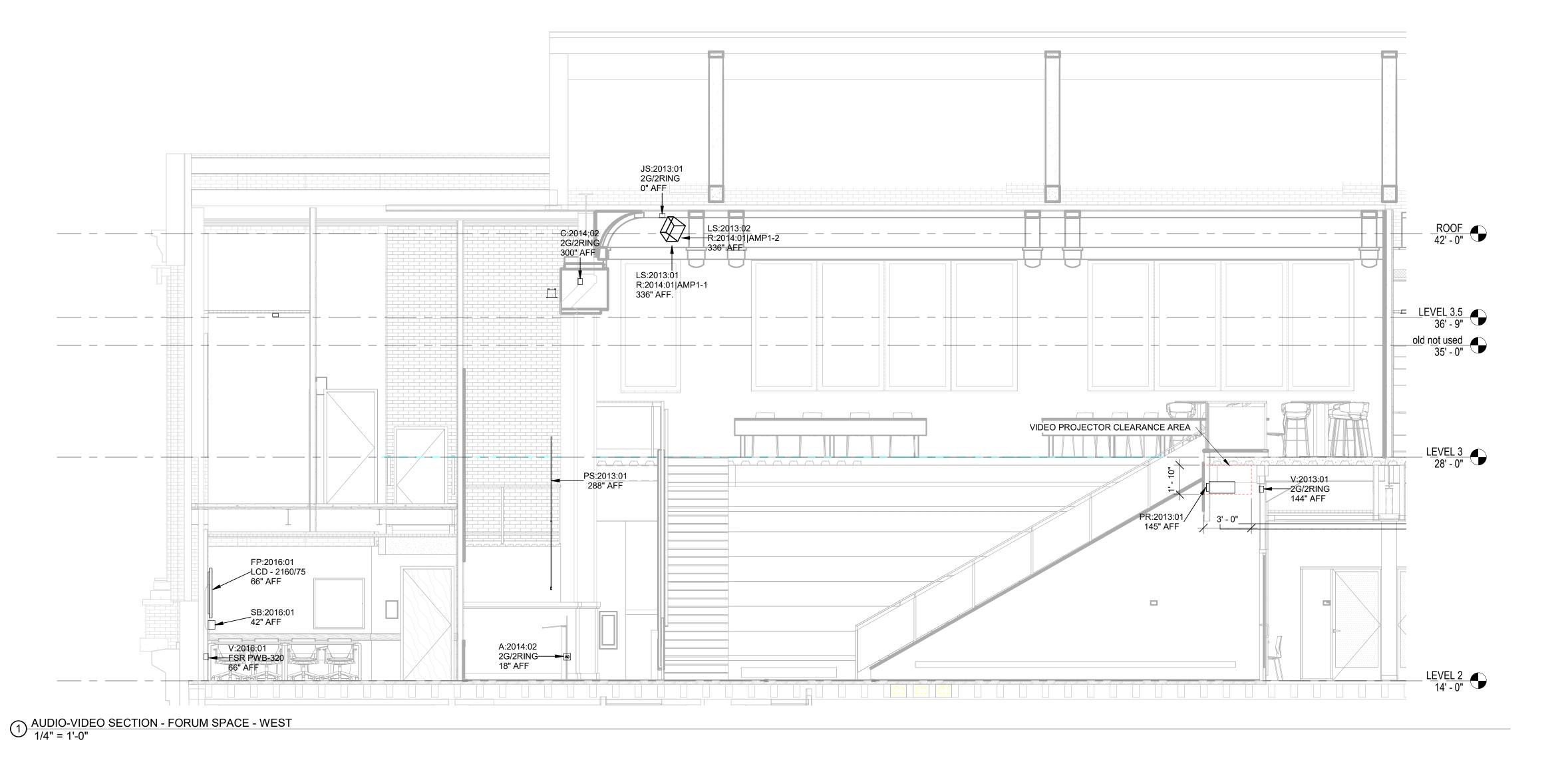
0" 1"

AUDIO-VIDEO LEVEL 3 PLAN

2250002012 MO. CORPORATE NO: E-556D EXPIRES 10/31/2024

DOUGLAS M. EVERHART





PCKHAM GUYTON ALBERS & VIETS, INC.
1900 W.47th Place, #300, Westwood, KS 66205
(913) 362-6500 www.PGAV.COM
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DOUGLAS M.
EVERHART

NUMBER
PE-2019007648

DOUGLAS M. EVERHART
LICENSE # PE-2019007648

DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE
UNIVERSITY
100 E. NORMAL AVE.,
KIRKSVILLE, MO 63501

BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced.

0" 1"

AUDIO-VIDEO SECTIONS

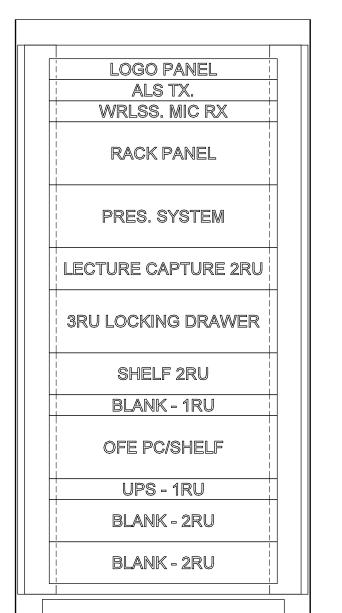
06/09/2023

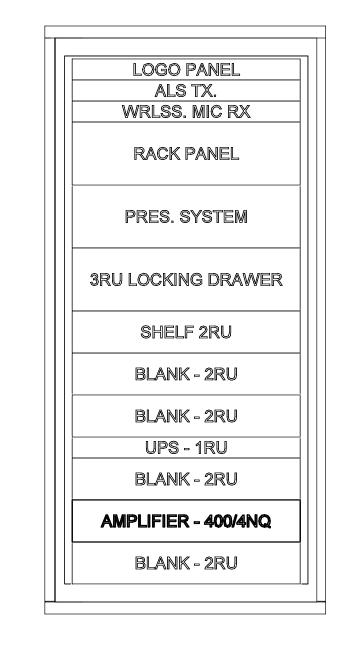
HENDERSON
ENGINEERS

8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001

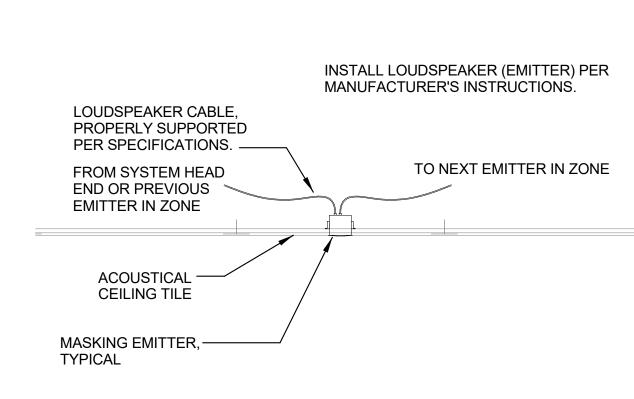
WWW.HENDERSONENGINEERS.COM

2250002012
MO. CORPORATE NO: E-556D
EXPIRES 10/31/2024





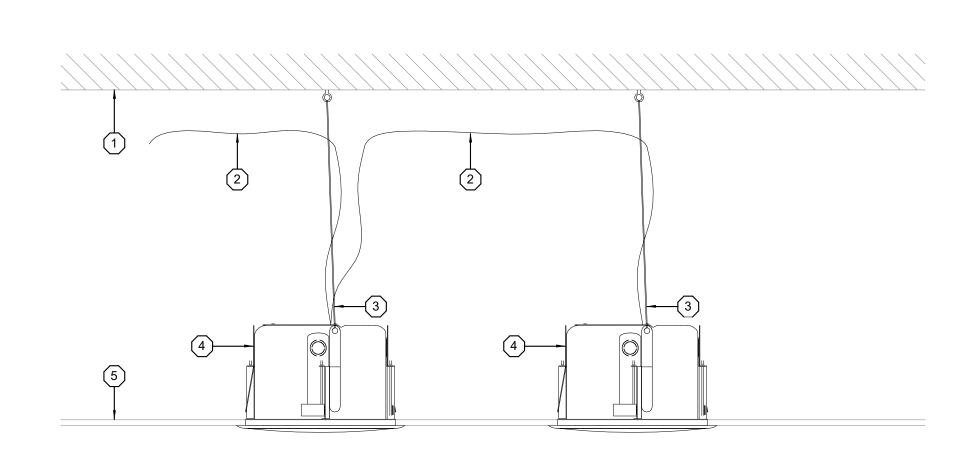
6 AUDIO-VIDEO ELEVATION -EQUIPMENT RACK - FORUM NTS



5 AUDIO-VIDEO - SOUND MASKING EMITTER- ACOUSTICAL CEILING TILE NTS

4 AUDIO-VIDEO - PTZ CAMERA MOUNT NTS

3 AUDIO-VIDEO - PROJECTION SCREEN MOUNT NTS



GENERAL NOTES:

- 1. DETAIL APPLIES TO LOCATIONS WHERE LOUDSPEAKERS ARE MOUNTED WITHIN ACCESSIBLE CEILING. 2. DETAIL SHOWN FOR CONCEPT ONLY. SHOP DRAWING
- REQUIRED SHOWING FINAL CONFIGURATION WITH APPROVED STRUCTURAL MOUNTING METHOD.
- 3. COMPLY WITH MANUFACTURER'S MOUNTING REQUIREMENTS AND INSTALL ALL SAFETY CABLES PER
- INSTRUCTIONS. MOUNTING HEIGHT, SPACING, AND CABLE/CONDUIT LENGTH VARIES BY LOCATION. REFER TO PLANS AND
- SECTIONS. 5. LOCATE CONDUIT SUCH THAT WIRE MAY BE PULLED AFTER FINISHED CEILING IS IN PLACE.

KEYED NOTES:

- STRUCTURAL SLAB OR ROOF ASSEMBLY. 2. CABLE PATHWAY AS SHOWN ON PLANS. ATTACH TO
- STRUCTURE. 3. SAFETY CABLE PER MANUFACTURER'S RECOMMENDED INSTALLATION PRACTICES.
- 4. CEILING LOUDSPEAKER MOUNTED WITHIN ACCESSIBLE CEILING. REFER TO DRAWINGS AND SPECS FOR
- ADDITIONAL INFORMATION. FINISHED CEILING AS SCHEDULED.

— DATA CONNECTIONS MAXIMUM TOTAL DEPTH — BACK BOX WALL STUD, FROM FACE OF WALL EDGE OF — DISPLAY EDGE OF — DISPLAY CENTER OF DISPLAY. REF. - MOUNTING BRACKET DISPLAY SCHEDULE(S) FOR ĤÉIGHT WALL, VARIOUS CONSTRUCTION **ELEVATION A-A**

HORIZONTAL ADJUSTMENT ALLOWANCES.

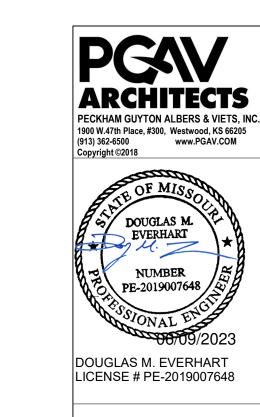
4. COORDINATE LOCATION OF IN-WALL BOX TO NOT CONFLICT WITH

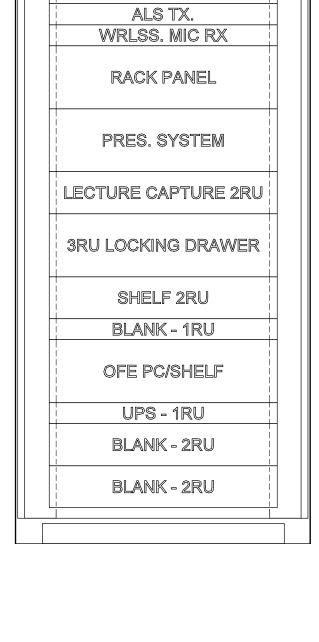
FOR ROUGH-IN INFORMATION.

OTHER DEVICES.

1 AUDIO-VIDEO - FLAT PANEL DISPLAY ARTICULATING MOUNT NTS

SECTION





7 AUDIO-VIDEO ELEVATION -EQUIPMENT RACK - TRAINING ROOM 1 1/2" = 1'-0"

MOUNT PROJECTION SCREEN CASE AS INDICATED IN SCHEDULES TO BOTTOM OF CASE ①--

GENERAL NOTES:

1. DETAIL SHOWN FOR CONCEPT ONLY. PROVIDE SHOP DRAWING OF FINAL CONFIGURATION WITH APPROVED

MOUNT PTZ CAMERA AS

INDICATED IN SCHEDULES TO BOTTOM OF PTZ CAMERA

- STRUCTURAL MOUNTING SOLUTION. 2. COMPLY WITH MANUFACTURER'S MOUNTING
- REQUIREMENTS AND INSTALL ALL SAFETY CABLES WHERE APPLICABLE PER INSTRUCTIONS. 3. FOR PTZ CAMERAS MOUNTED TO WALL SURFACES,
- CEILINGS, OR COLUMN WRAPS, ALL PATHWAYS SHALL BE ROUTED CONCEALED WITH A FLUSH MOUNT JUNCTION BOX BEHIND THE LOUDSPEAKER.

4. FOR PTZ CAMERAS MOUNTED TO OPEN STRUCTURAL ELEMENTS (E.G. EXPOSED PORTIONS OF EXPO HALL), ALL PATHWAYS SHALL BE ROUTED TIGHT AND PARALLEL TO STRUCTURE.

KEYED NOTES:

- 1. WALL ASSEMBLY. 2. PROVIDE FLUSH BACK BOX MOUNTED ADJACENT TO, AND CONCEALED BY PTZ CAMERA AND/OR PTZ CANERA MOUNT. PROVIDE PULL STRING. PROVIDE CONDUIT AS SHOWN ON
- PLANS TO BACK BOX AT PTZ CAMERA LOCATION. 3. EXPOSED CABLE FROM BACK BOX TO PTZ CAMERA
- CONNECTION POINT. 4. PTZ CAMERA, SEE SPECS FOR MORE INFORMATION. 5. PTZ CANERA MANUFACTURE MOUNTING BRACKET.

KEYED NOTES:

- **GENERAL NOTES:** DETAIL APPLIES TO LOCATIONS WALL ASSEMBLY.
- WHERE PROJECTION SCREENS ARE MOUNTED TO WALL. 2. DETAIL SHOWN FOR CONCEPT ONLY. SHOP DRAWING REQUIRED SHOWING FINAL CONFIGURATION WITH
- APPROVED STRUCTURAL MOUNTING METHOD. 3. COMPLY WITH MANUFACTURER'S MOUNTING REQUIREMENTS AND INSTALL ALL SAFETY CABLES
- PER INSTRUCTIONS. 4. MOUNTING HEIGHT, SPACING AND CABLE/CONDUIT LENGTH VARIES BY LOCATION. REFER TO PLANS AND SECTIONS, AND SCHEDULES.

AND PLATE PROVIDED BY

CONTRACTOR. FLEX CONDUIT. 4. PROJECTION SCREEN AND MOUNT PROVIDED BY CONTRACTOR. REFER TO AV SCHEDULES AND ELEVATIONS FOR MOUNTING HEIGHT, AND ADDITIONAL INFORMATION.

2. AV CONTROL CABLE TERMINATION

AC POWER RECEPTACLE CENTERLINE OF - FLAT PANEL DISPLAY DISPLAY SIZE. SEE SCHEDULE FOR SIZE. TERMINATIONS CENTERLINE OF MOUNTING BRACKET 1. COORDINATE WITH FINAL MOUNT SELECTION PRIOR TO ROUGH-IN. REFER TO MOUNT MANUFACTURER'S REQUIREMENTS FOR REFER TO IN-WALL BOX MANUFACTURER'S INSTALLATION MANUAL

ELEVATION B-B

EDGE OF MOUNT **AC POWER** BACK BOX

BID DOCUMENTS Original Size: 1 1/2" Drawing may have been reduced.

HENDERSON ENGINEERS

8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001

WWW.HENDERSONENGINEERS.COM

2250002012 MO. CORPORATE NO: E-556D EXPIRES 10/31/2024

AUDIO-VIDEO DETAILS

DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE

UNIVERSITY

100 E. NORMAL AVE.

KIRKSVILLE, MO 63501

06/09/2023 CLIENT#

			ALIDIO-VIDEO MICRO	OPHONE ARRAY SCHEDU	ı F		\wedge	
			AODIO-VIDEO MICIN	SI HONE ARRAT SCHEDO		\sim	$\frac{1}{\sqrt{1}}$	
	FUNCTION		F	ROPERTIES		RESONS	SIBILITIES >	
ID	DESCRIPTION	B.O.D. MANUF.	B.O.D. MODEL	INSTALL HEIGHT (CENTER OF BOX)	MOUNTING	FURNISHED BY	INSTALLED BY	NOTES
M:1019:01	BEAMFORMING PENDANT MICROPHONE	RIAMD	TESIRA TCM-1A	96"	CEILING SUSPENDED	}	OWNER	
1019.01	BEAMFORMING PENDANT MICROPHONE	DIAIVIE	TESIKA TCIVI-TA	90	CEILING SUSPENDED		OVVINER	

			A	AUDIO-VIDE	D EQUIPME	NT RACK SCHEDUL	E			
		RACK PROPERTIE	S			MOUNTING REQUI	REMENTS	RESPON	SIBILITIES	
				RACK						
ID	SPEC NAME	B.O.D. MANUF.	B.O.D. MODEL	UNITS	TYPE	INSTALL HEIGHT	MEASURED TO	FURNISHED BY	INSTALLED BY	NOTES
									· · · · · · · · · · · · · · · · · · ·	1
R:1019:01	ROLLING RACK -D	MIDDLE ATLANTIC	BGR-25SA27MDK	25	FLOOR	0"	FLOOR	OWNER	OWNER	
R:2014:01	WALL RACK SECTIONAL-S	MIDDLE ATLANTIC	DWR-21-22	21	WALL	48"	CENTER OF RACK	£	OWNER	}
				•		'				

			Al	JDIO-VIDEO AMPI	LIFIER SCHEDULE			<u></u>	
	AMPLIFIER F	PROPERTIES		NETV	VORK REQUIREME	NTS	RESPONS	SIBILITIES	<u> </u>
ID	SPEC NAME	B.O.D. MANUF.	B.O.D. MODEL	VLAN	NON-POE PORTS	POE PORTS	FURNISHED BY	INSTALLED BY	NOTES
								1	<
R:2014:01 AMP1	AMPLIFIER - TYPE 1	QSC	CX-Q 2K4	AV AUDIO LAN	2	0	(-	OWNER	
•	·	•	·			•		www.w	

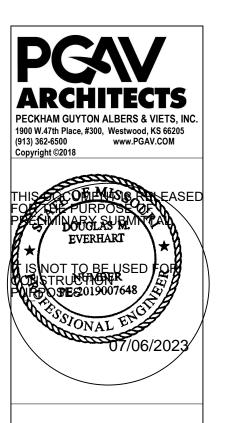
					AUDIO-VIDEO FLAT PAN	EL DISPLAY SCHEDULE	<u> </u>		
	DISPLA	AY PROPERTI	ES		MOUNTING REQUIREME	NTS	DISPLAY RES	PONSIBILITY	
ID	SPEC NAME	B.O.D. MANUF.	B.O.D. MODEL	INSTALL HEIGHT AFF. (CENTER OF DISPLAY)	TYPE	FURNISHED BY	INSTALLED BY	PROVIDED BY	NOTES
							$\sim\sim\sim\sim\sim\sim\sim$	~~~~~	1
FP:1003:01	LCD- 2160/65	SAMSUNG	QB65R	65"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1019:01	LCD - 2160/98	SAMSUNG	QB98R	60"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1019:02	LCD - 2160/98	SAMSUNG	QB98R	60"	WALL - ARTICULATING	OWNER	OWNER	OWNER	<
FP:1024:01	LCD - 2160/55	SAMSUNG	QB55R	52"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1025:01	LCD - 2160/55	SAMSUNG	QB55R	52"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1026:01	LCD - 2160/55	SAMSUNG	QB55R	52"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1027:01	LCD - 2160/85	SAMSUNG	QB85R	70"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1030:01	LCD - 2160/85	SAMSUNG	QB85R	70"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1034:01	LCD - 2160/55	SAMSUNG	QB55R	52"	WALL - ARTICULATING	OWNER	OWNER	OWNER	5
FP:1035:01	LCD - 2160/55	SAMSUNG	QB55R	52"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:1036:01	LCD - 2160/85	SAMSUNG	QB85R	70"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:2002:01	LCD - 2160/75	SAMSUNG	QB75R	66"	WALL - ARTICULATING	OWNER	OWNER	OWNER	{
FP:2009:01	LCD - 2160/55	SAMSUNG	QB55R	62"	WALL - ARTICULATING	OWNER	OWNER	OWNER	5
FP:2016:01	LCD - 2160/75	SAMSUNG	QB75R	66"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:2031:01	LCD - 2160/85	SAMSUNG	QB85R	70"	WALL - ARTICULATING	OWNER	OWNER	OWNER	
FP:3003:01	LCD - 2160/75	SAMSUNG	QB75R	66"	WALL - ARTICULATING	OWNER	OWNER	OWNER	₹
FP:3036:01	LCD - 2160/85	SAMSUNG	QB85R	70"	WALL - ARTICULATING	OWNER	OWNER	OWNER	

						AUDIO-VID	EO PROJI	ECTOR SCHEDULE					
		PI	ROJECTOR	PROPERTIE	S			MOUNTIN	NG REQUIREMI	ENTS	PROJECTOR F	RESPONSIBILITY	
ID	SPEC NAME	B.O.D.MAN UF.	B.O.D. MODEL	LUMENS	ASPECT RATIO	THROW DISTANCE	LENS RATIO	INSTALL HEIGHT AFF. (CENTER OF LENS)	TYPE	PROVIDED BY	FURNISHED BY	INSTALLED BY	NOTES
											$\sim\sim\sim\sim\sim$	~~~~^ ¹	1
PR:2013:01	1 16000-1200/3LCD-FL	EPSON	EB-PU2216	16000	1.60	41' - 0"	2.85	145"	NICH/SHELF		OWNER	OWNER }	
	- 1	1				1		1			m		

				AUD	IO-VIDEC) PROJE	CTION SC	REEN SC	HEDULE				
		SCREE	N PROPERTIES						MOUNTING REQUIREMENTS	S	SCREEN RES	SPONSIBILITY	
	2552	B.O.D.	D 0 D 110DE				SCREEN			550,45555,4			
ID	SPEC NAME	MANUF.	B.O.D. MODEL	HEIGHT	WIDIH	RATIO	DROP	AFF.	TYPE	PROVIDED BY	FURNISHED BY	INSTALLED BY	NOTES
											~~~~~	$\sim\sim\sim\sim$	1\
PS:2013:01 P	PROJECTION SCREEN - 108-192-P/T/W	DA-LITE V	VIRELINE ADVANTAGE	108"	192"	1.78	9' - 0"	288"	SUSPENDED FROM STRUCTURE	OWNER		OWNER	<b>}</b>
				1			'				·············		

				AUD	OIO-VIDEO PTZ CAME	RA SCHEDULE			
	PROJECT	OR PROPER	RTIES	MOUI	NTING REQUIREMEN	ITS	PROJECTOR I	RESPONSIBILITY	
		B.O.D.MAN		INSTALL HEIGHT AFF. (CENTER OF			FURNISHED		
ID	SPEC NAME	UF.	B.O.D. MODEL	LENS)	TYPE	PROVIDED BY	BY	INSTALLED BY	NOTES
							$\sim\sim\sim\sim$	~~~~	1
K:1019:01	PTZ CAMERA - TYPE 1	LOGITECH	RALLY	48"	WALL BRACKET	OWNER	OWNER	OWNER	
K:1019:02	PTZ CAMERA - TYPE 1	LOGITECH	RALLY	72"	WALL BRACKET	OWNER	OWNER	OWNER	
	1		1	1	1	'			

				AUDIO-VIDEO I	BOX SCHEDULE				
	BOX FUNCTION			BOX PROF	PERTIES		BOX	ACCESSORIES	
ID	DESCRIPTION	TYPE	B.O.D. MANUF.	B.O.D. MODEL	INSTALL HEIGHT (CENTER OF BOX)	MOUNTING	COVER	INSERTS	NOTES
A . 1002.01	ACCORTED CONNECTION WALL DOV	ac/adino	DACO	260 W// 242	4.0"	FLUCII	DI ANIZ	2 CANC MUD DING	
A:1003:01	ASSORTED CONNECTION WALL BOX ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18" 18"	FLUSH	BLANK	2-GANG MUD RING	
A:1019:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818		FLUSH	BLANK	2-GANG MUD RING	
A:1027:01		2G/2RING	RACO	260 W/ 818	18" 18"	FLUSH	BLANK	2-GANG MUD RING	
A:1030:01	ASSORTED CONNECTION WALL BOX ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH FLUSH	BLANK	2-GANG MUD RING	
A:1031:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO RACO	260 W/ 818 260 W/ 818	18"	FLUSH	BLANK BLANK	2-GANG MUD RING 2-GANG MUD RING	
A:1036:01		2G/2RING			18"			2-GANG MUD RING	
A:2002:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818		FLUSH	BLANK		
A:2014:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH	BLANK	2-GANG MUD RING	
A:2014:02	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH	BLANK	2-GANG MUD RING	
A:2014:03	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	42"	FLUSH	BLANK	2-GANG MUD RING	
A:2016:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH	BLANK	2-GANG MUD RING	
A:3003:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH	BLANK	2-GANG MUD RING	
A:3036:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	18"	FLUSH	BLANK	2-GANG MUD RING	
A:S2:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	48"	FLUSH	BLANK	2-GANG MUD RING	
A:S3:01	ASSORTED CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	48"	FLUSH	BLANK	2-GANG MUD RING	
C:1019:01	CONTROL CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	48"	FLUSH	BLANK	1-GANG MUD RING	
C:2014:01	CONTROL CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	48"	FLUSH	BLANK	2-GANG MUD RING	
C:2014;02	CONTROL CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	300"	FLUSH	BLANK	2-GANG MUD RING	
JR:1019:01	EQUIPMENT RACK JUNCTION BOX	NEMA 06x06x04	HOFFMAN	ASG6X6X4	19"	FLUSH	BLANK	NONE	
JR:2014:01	EQUIPMENT RACK JUNCTION BOX	NEMA 12x12x04	HOFFMAN	ASG12X12X4	48"	FLUSH	BLANK	NONE	
JS:2013:01	LOUDSPEAKER JUNCTION BOX	2G/2RING	RACO	260 W/843	0"	CEILING FLUSH	BLANK	NONE	
K:1019:01	CAMERA CONNECTION WALL BOX	2G/1RING	RACO	260 W/ 843	48"	FLUSH	BLANK	1-GANG MUD RING	
K:1019:02	CAMERA CONNECTION WALL BOX	2G/1RING	RACO	260 W/ 843	72"	FLUSH	BLANK	1-GANG MUD RING	
V:1003:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	65"	FLUSH	BLANK	NONE	
V:1019:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	60"	FLUSH	BLANK	NONE	
V:1019:02	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	60"	FLUSH	BLANK	NONE	
V:1024:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:1025:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:1026:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:1027:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	70"	FLUSH	BLANK	NONE	
V:1030:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	70"	FLUSH	BLANK	NONE	
V:1034:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:1035:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:1036:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	70"	FLUSH	BLANK	NONE	
V:2002:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	66"	FLUSH	BLANK	NONE	
V:2009:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	52"	FLUSH	BLANK	NONE	
V:2013:01	PROJECTOR CONNECTION WALL BOX	2G/2RING	RACO	260 W/ 818	144"	FLUSH	BLANK	2-GANG MUD RING	
V:2016:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	66"	FLUSH	BLANK	NONE	
V:2031:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	70"	FLUSH	BLANK	NONE	
V:3003:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	66"	FLUSH	BLANK	NONE	
V:3036:01	TELEVISION CONNECTION BOX	FSR PWB-320	FSR	PWB-320	70"	FLUSH	BLANK	NONE	



1 07/06/23 Addendum #3 # DATE DESCRIPTION KIRK BUILDING RENOVATION

> TRUMAN STATE 100 E. NORMAL AVE., KIRKSVILLE, MO 63501

BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced. 0" 1"

AUDIO-VIDEO SCHEDULES

HENDERSON ENGINEERS

TEL FAX
WWW.HENDERSONENGINEERS.COM

				A	UDIO-VIDEO LOI	UDSPEAKER TYP	E SCHEDULE		
	LOUDSPEAKE	R PRO	PERTIES		RESPO	NSIBILTY	MOUN	NTING	
SPEC NAME	LOAD TYPE	QTY	B.O.D. MANUF.	B.O.D. MODEL	FURNISHED BY	INSTALLED BY	TYPE	PROVIDED BY	NOTES
0517010014 401DD	70.1/		DIAMB DECONO	DV 400		CONTRACTOR		OVACALED	
CF 70 06 140 PR	70 V	9	BIAMP DESONO	DX-1C6	CONTRACTOR	CONTRACTOR	CEILING FLUSH	OWNER	
SB 08 2x4 120.40	LOW IMP	6	LOGITECH	MEETUP	OWNER	OWNER	WALL SURFACE	OWNER	
SB 08 2x4 120.40	LOW IMP	9	LOGITECH	RALLY BAR	OWNER	OWNER	WALL SURFACE	OWNER	
SM C	LOW IMP	73	BIAMP CAMBRIDGE	QT-EMITTER	CONTRACTOR	CONTRACTOR	CEILING FLUSH	OWNER	
TR 70 08 90.60 PR	LOW IMP	2	FULCRUM ACOUSTIC	CX896	CONTRACTOR	CONTRACTOR	SUSPENDED	OWNER	

AUDIO-VIDEO LOUDSPEAKER SCHEDULE

	CIRCUIT PROPERTIES		LOUDSPEAKER PROPERTIES			ODOI LANEIX C		LOUDSPEAKER N	MOUNTING	NTING ORIENTATION			ENCLOSURE/HORN				
	POWER	LOAD		WIRE	00000000			IMPEDANCE		MOUNTING					ROL	L ROTATE	
ID	DRAW	TYPE	QTY	AWG#	SPEC NAME	B.O.D. MANUF.	B.O.D. MODEL	_ (OHM)	(WATTS)	CONDITION	HEIGHT	YAW	PITCH	ROLL	ENCL.	90 HORN 90	NOTES
PRES_SYSTE	ΞM																
2 LS:1019:01	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:01	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:02	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:03	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:05 LS:1019:06	15 W 15 W	70 V 70 V	1	16 16	CF 70 06 140 PR CF 70 06 140 PR	BIAMP DESONO BIAMP DESONO	DX-1C6	333 333	15 15	CEILING FLUSH CEILING FLUSH	108" 108"						
LS:1019:00 LS:1019:07	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:08	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
LS:1019:09	15 W	70 V	1	16	CF 70 06 140 PR	BIAMP DESONO	DX-1C6	333	15	CEILING FLUSH	108"						
	135 W		9														
R:2014:01 AM	IP1																
1 LS:2013:01	300 W	LOW IMP	1	12	TR 70 08 90.60 PR	FULCRUM ACOUSTIC	CX896	8		SUSPENDED	336"	45.00°	-35.00°	0 00°	Yes	Yes	
	300 W	LOVV IIVII	1	12	111/10/00/30:00/111	1 OLONOWI ACCOUNT	<u> </u>			OGGI LIADED		40.00	33.00		103	103	
2																	
LS:2013:02	300 W	LOW IMP	1	12	TR 70 08 90.60 PR	FULCRUM ACOUSTIC	CX896	8	-	SUSPENDED	336"	-45.00°	-35.00°	0.00°	Yes	Yes	
	300 W		1														
TO LOCAL PO																	
1		1.		T .	T			<del></del>		T		T -			1-		
SB:1036:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
2	20 W		I														
SB:1003:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
	20 W		1														
3				T													
SB:1030:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
1	20 W		1														
<del>1</del> SB:1027:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
08.1027.01	20 W	LOVV IIVII	1	10	OB OO EX 1  120.10		TO CELT DI CIT			WALL GOTH AGE		0.00		10.00	110	110	
5																	
SB:2016:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8	-	WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
^	20 W		1														
6 SB:2031:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
00.2001.01	20 W	LOVV IIVII	1	10	OB 00 2X4 120.40	LOGITEOIT	TO CELT DI CIT			WALL COIN ACL		0.00			110	140	
7																	
SB:2002:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8	_	WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
0	20 W		1														
8 SB:2009:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8		WALL SURFACE	46"	0.00°	0.00°	0.00°	No	No	
00.2009.01	20 W	LOVV IIVII	1	10	OD 00 2X4 120.40	LOGITEOIT	IVILLIOI			WALL GOIN AGE		0.00		0.00	INO	NO	
9																	
SB:3036:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8	-	WALL SURFACE	42"	0.00°	0.00°	0.00°	No	No	
40	20 W		1														
10 SB:3003:01	20 14/		1	16	SBI0012741420 40	I OCITECH	DALLVBAD	Q		WALL SUBTACE	42"	0.000	0.00°	0.000	No	No	
SB:3003:01	20 W 20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	RALLY BAR	8		WALL SURFACE	42	0.00°	0.00°	0.00°	No	No	
11	20 VV		'														
SB:1035:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8	-	WALL SURFACE	34"	0.00°	0.00°	0.00°	No	No	
	20 W		1					-		_					1		
12	00.111	1 0 4 / 1 : -	4	40	ODIO010 41400 15	LOCITECIA	A 40000 100				0.48	0.000		0.000	N J		
SB:1034:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8		WALL SURFACE	34"	0.00°	0.00°	0.00°	No	No	
13	20 W		I														
SB:1026:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8		WALL SURFACE	34"	0.00°	0.00°	0.00°	No	No	
	20 W		1	1				_1				1			1		
14		1.		T .						T		1.			T.		
SB:1025:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8		WALL SURFACE	34"	0.00°	0.00°	0.00°	No	No	
15	20 W		1														
15 SB:1024:01	20 W	LOW IMP	1	16	SB 08 2x4 120.40	LOGITECH	MEETUP	8	T_	WALL SURFACE	34"	0.00°	0.00°	0.00°	No	No	
	<b>~ U V V</b>		1.	10	OD OO ZAT  120.40		IVILL I OI	<del>-</del>		ANY I'LL COLLI VOL	<del>                                    </del>	0.00	0.00	J.00	140	140	
35.1024.01	20 W		1						•								

### SCHEDULED PARAMETER DEFINITIONS:

- POWER DRAW = DESIGNED LOAD ON CIRCUIT WITHOUT AMPLIFIER CHANNEL SIZING FACTOR (CONTINUOUS
  - POWER RATING)
- FOR LOW IMPEDANCE: VALUES INDICATED ARE RMS FOR 70V: VALUES INDICATED ARE MAXIMUM CIRCUIT LOAD
- WIRE AWG# = ANTICIPATED WIRE GAUGE REQUIRED FOR MAXIMUM ALLOWABLE LINE LOSS OF [1.0dB];
  - INSTALLATION FACTORS MAY REQUIRE ADJUSTMENTS BY THE CONTRACTOR
  - MINIMUM ALLOWABLE WIRE GAUGE: 70V LOUDSPEAKERS: 16AWG
  - LOW IMP LOUDSPEAKERS: 12AWG
- SUBWOOFERS: 12AWG HEIGHT = MEASURED TO CENTER OF LOUDSPEAKER FACE
- YAW = HORIZONTAL ORIENTATION IN RELATION TO PLAN NORTH PITCH = VERTICAL ORIENTATION
- ROLL = ROTATIONAL ORIENTATION AROUND LOUDSPEAKER AXIS
- ROLL ENCLOSURE 90 = STARTING POSITION OF LOUDSPEAKER IS ROLLED 90 DEGREES • ROTATE HORN 90 = STARTING POSTION OF HORN IS ROTATED 90 DEGREES IN THE ENCLOSURE

### TO ORIENT LOUDSPEAKERS:

- 1. VERIFY "ROLL ENCLOSURE 90" AND "ROTATE HORN 90" PRIOR TO PROCEEDING
- VIEW LOUDSPEAKERS FROM REAR (FROM PLAN SOUTH VIEWING NORTH) 3. ROTATE LOUDSPEAKER COUNTER CLOCKWISE (POSITIVE DEGREE) OR CLOCKWISE (NEGATIVE DEGREE) TO
- THE SCHEDULED YAW ORIENTATION 4. TILT LOUDSPEAKER TO SCHEDULED PITCH ORIENTATION
- 5. ROLL LOUDSPEAKER COUNTER CLOCKWISE (POSITIVE DEGREE) OR CLOCKWISE (NEGATIVE DEGREE) TO SCHEDULED ROLL ORIENTATION

### FINAL ORIENTATION OF LOUDSPEAKERS:

- SHALL BE AT THE DISCRETION OF THE CONSULTANT DURING COMMISSIONING CONTRACTOR SHALL PROVIDE MEANS OF ACCESS TO ALL LOUDSPEAKER POSITIONS FOR TESTING,
- VERIFICATION, REORIENTATION, ETC.
- 3. MEANS OF ACCESS SHALL INCLUDE MOTORIZED LIFTS, SCAFFOLDING OR OTHER METHOD TO ALLOW FOR SAFE AND TIMELY OBSERVATION AND ADJUSTMENT

		MITTED SCHEDULE	
	AUDIO-VIDEO SOUND MASKING EN	III IEK SCHEDULE	
CIRCUIT PROPERTIES	LOUDSPEAKER PROPERTIES	LOUDSPEAKER MOUNTING	

B.O.D. MODEL CONDITION

MOUNTING

NOTES

### TO TELECOM 2030

SPEC NAME

<u>'</u>				
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
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1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH
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2				

B.O.D. MANUF.

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23					
2					
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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25	1 2	'	1	·	
3					
1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	

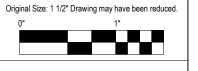
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SMIC	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
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1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
1	SM C	BIAMP CAMBRIDGE	QT-EMITTER	CEILING FLUSH	
25	,			<del>.</del>	

07/06/23 Addendum #3 # DATE DESCRIPTION

**KIRK BUILDING** RENOVATION

> TRUMAN STATE UNIVERSITY 100 E. NORMAL AVE.. KIRKSVILLE, MO 63501

**BID DOCUMENTS** 



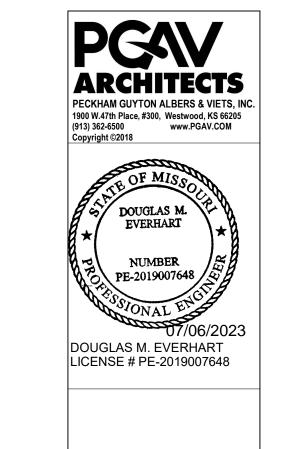
**AUDIO-VIDEO SCHEDULES** 

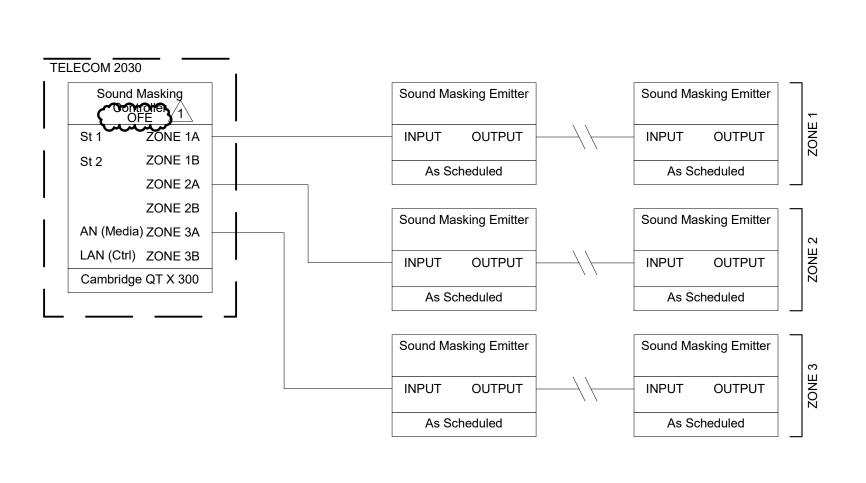
06/09/2023

CLIENT#









SOUND MASKING SIGNAL FLOW DIAGRAM

MANUFACTURER REMOTE

LS (Left)

CONTROLLER, TYPICAL.

LCD Com Display

As Scheduled

Webcam/Soundbar/Mic -

USB OFE 1

Logitech Rally Bar

H 3

DP2

USB

Com

LAN

USB

USB

USB

"LAN"

HDMI/USB Extender-RX

Legrand C2G31030-RX

12V PS

V:1003:01

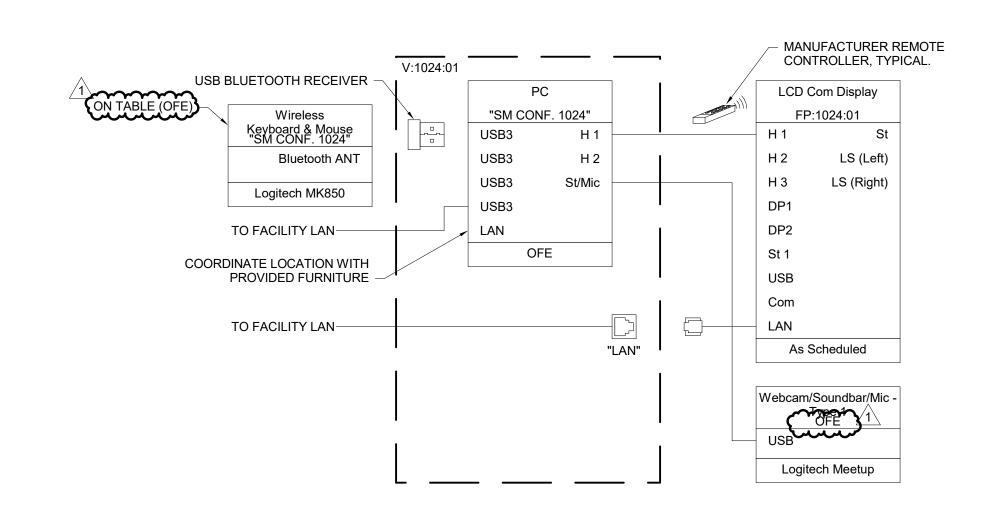
HDMI/USB Extender-TX

Legrand C2G31030-TX

"LAN"

TO FACILITY LAN-

TO FACILITY LAN-



3 AUDIO-VIDEO SYSTEM - 1-ON-1 / ZOOM, TYPICAL SMALL CONFERENCE 1024 SHOWN

1. SYSTEM/ROOM SHOWN IS TYPICAL OF MULTIPLE SYSTEMS/ROOMS. IN ADDITION TO THE

- SYSTEM/ROOM SHOWN PROVIDE ONE SYSTEM THIS TYPE FOR THE FOLLOWING ROOMS: 1.1 SMALL CONFERENCE 1025 1.2 SMALL CONFERENCE 1026
- 1.3 SMALL CONFERENCE 1034 1.4 SMALL CONFERENCE 1035 1.5 MEETING ROOM 2009

8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001

HENDERSON ENGINEERS WWW.HENDERSONENGINEERS.COM 2250002012 MO. CORPORATE NO: E-556D EXPIRES 10/31/2024

07/06/23 Addendum #3

# DATE DESCRIPTION

**KIRK BUILDING** 

**RENOVATION** 

TRUMAN STATE

UNIVERSITY

100 E. NORMAL AVE..

KIRKSVILLE, MO 63501

**BID DOCUMENTS** 

Original Size: 1 1/2" Drawing may have been reduced.

**AUDIO-VIDEO** 

SIGNAL FLOWS

06/09/2023

CLIENT#

COORDINATE LOCATION WITH

USB BLUETOOTH RECEIVER -

ON TABLE (OFE)

PROVIDED FURNITURE -

Wireless Keyboard & Mouse "MED. CONF. 1003"

Logitech MK850

Bluetooth ANT

4 AUDIO-VIDEO SYSTEM - MEDIUM CONFERENCE, TYPICAL CONFERENCE 1003 SHOWN

1.1 LARGE CONFERENCE 1027

1.2 LARGE CONFERENCE 1030

1.3 LARGE CONFERENCE 1036

1.4 MEDIUM CONFERENCE 2002

1.5 LARGE CONFERENCE 2016

1.7 MEDIUM CONFERENCE 3003 1.8 GROUP COUNSELING 3036

1.6 COMM LAB 2031

PC

"MED. CONF, 1003"

OFE

USB3

USB3

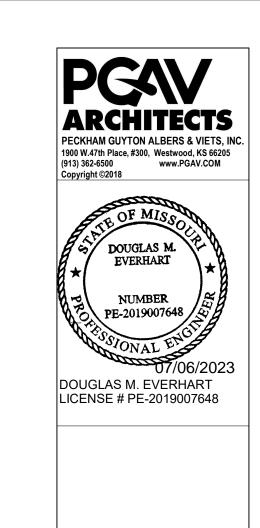
USB3

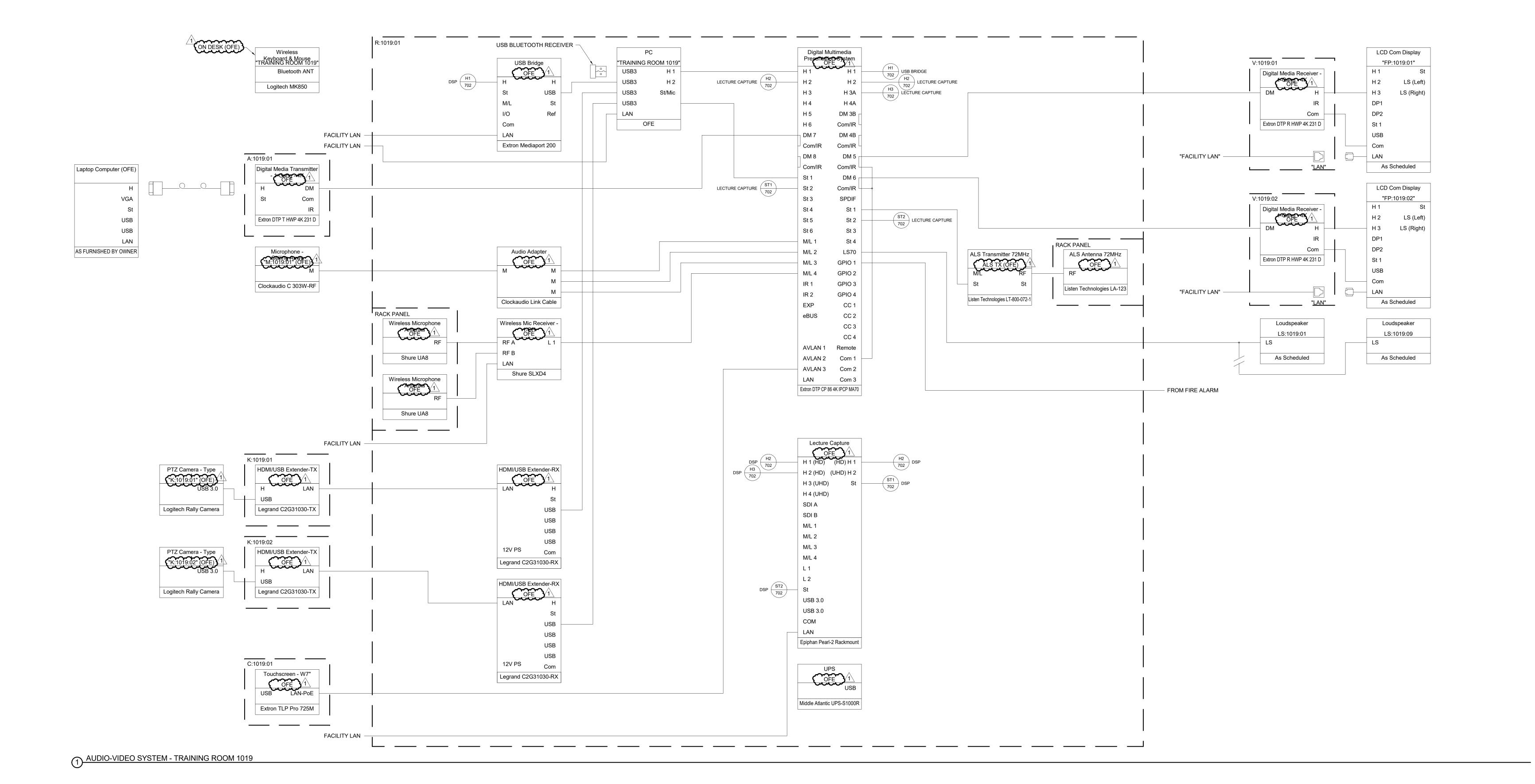
USB3

LAN

1. SYSTEM/ROOM SHOWN IS TYPICAL OF MULTIPLE SYSTEMS/ROOMS. IN ADDITION TO THE

SYSTEM/ROOM SHOWN PROVIDE ONE SYSTEM THIS TYPE FOR THE FOLLOWING ROOMS:





1 07/06/23 Addendum #3
# DATE DESCRIPTION

KIRK BUILDING

RENOVATION

TRUMAN STATE UNIVERSITY 100 E. NORMAL AVE., KIRKSVILLE, MO 63501

BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced.

AUDIO-VIDEO SIGNAL FLOWS

06/09/2023
PGAV#
53670-00
CLIENT#

HENDERSON ENGINEERS

8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001

WWW.HENDERSONENGINEERS.COM

2250002012 MO. CORPORATE NO: E-556D EXPIRES 10/31/2024 **TA702** 

- "FUTURE FLAT PANEL DISPLAY" - "FUTURE FLAT PANEL DISPLAY" A:2014:01 H 4A H 5 Digital Media Transmitter
OFE
1
DM DM 3B Com Laptop Computer (OFE) Extron DTP R HWP 4K 231 D - DM 7 "FACILITY LAN" -Com [∐] Com/IR - DM 8 As Scheduled RACK PANEL Extron DTP T HWP 4K 231 D [∐] Com/IR USB ALS Transmitter 72MHz

ALS TX (OFE) 1

M/L

RF St 2 A:2014:02 AS FURNISHED BY OWNER St 3 SPDIF Digital Media Transmitter
OFE
1
DM Listen Technologies LA-123 Transformer - Speaker
Lever to Line Level
OFE
STP
1 L St 2 Listen Technologies LT-800-072-1 St 3 Projection Screen
Low Voltage Switch
OFE
CC (Up) Projection Screen St 4 PS:2013:01 CC (Up) Extron DTP T HWP 4K 231 D RDL TX-TPR2A CC (Down) CC (Down) M/L 4 CC (Stop) As Scheduled A:2014:03 Da-Lite LVC 3-button switch IR 2 Bluetooth Receiver
OFE 1 EXP eBUS Amplifier - Type 2

R:2014:01|AMP 1 (OFE)

L 1

LS 1

LS 2

LS 3

L 4

GPIO

GPIO CC 4 Transformer - Speaker
Level OFE
LS
LS RDL DB-BT1A Loudspeaker AVLAN 1 Remote "LS:2013:01" AVLAN 2 Com 1 AVLAN 3 Com 2 As Scheduled LAN Com 3 RDL TX-70A RACK PANEL Extron DTP CP 86 4K IPCP MA70 Wireless Mic Receiver -Wireless Microphone OFE 1 Loudspeaker AN/LAN AN/LAN "LS:2013:02" QSC CX-Q 2K4 Shure UA8 AN - "CONNECTION FROM FIRE ALARM" As Scheduled "CONNECTION TO SHADE CONTROLLER" Shure ULXD4D Middle Atlantic UPS-S1000R — "CONNECTION TO LIGHTING CONTROLLER" Shure UA8 FACILITY LAN Touchscreen - W7" USB CFE 1 Extron TLP Pro 725M "FACILITY LAN" 1 AUDIO-VIDEO SYSTEMS - FORUM 2013

PECKHAM GUYTON ALBERS & VIETS, INC.

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(913) 362-6500 www.PGAV.COM
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THIS COMPANIES REPORT
FOR THE PURPOSE OF PRESIDENCE OF PURPOSE OF PURPOS

1 07/06/23 Addendum #3
# DATE DESCRIPTION

KIRK BUILDING
RENOVATION

TRUMAN STATE UNIVERSITY 100 E. NORMAL AVE., KIRKSVILLE, MO 63501

BID DOCUMENTS

Original Size: 1 1/2" Drawing may have been reduced.

0" 1"

AUDIO-VIDEO SIGNAL FLOWS

PGAV# CLIENT# 53670-00 SHEET#:

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06/09/2023