



NPL14-2

NAMPA PUBLIC LIBRARY

REQUEST FOR PROPOSAL

FOR

AUDIO/VIDEO SYSTEM

General Project Scope:

The Nampa Public Library is seeking proposals for the procurement and installation of an Audio/Visual System for the new Nampa Public Library building. The building is three (3) stories and 62,000 square feet and is set to be completed by early 2015.

1. Work Included

- a. The selected contractor shall provide complete, turnkey Audiovisual Systems performing all of the functions as described herein, together with all other apparatus, cable material, installation labor, software, tools, transportation and any other resources necessary to provide complete systems.
- b. The contractor shall communicate and coordinate directly with the Owner Representative and trades, complying with all requirements as described under Scope of Work Sections to fulfill all requirements of this RFP.

Nampa Public Library will accept sealed bids at the library, 101 11th Ave S. Nampa Idaho, 83651, until **March 28, 2014 2pm Mountain Time**. Immediately thereafter, all bids will be opened and publicly read in the presence of the Bidders at Nampa Public Library.

Bids Will Consist Of: **Materials, labor, tools, transportation services, etc. necessary to complete the installation of the Audio/Video System as detailed in the specifications and as illustrated in the accompanying drawings for the new Nampa Public Library, 215 12th Ave S. Nampa ID, 83651**

Bid packets are available at the Nampa Public Library, 101 11th Ave S. Nampa, Idaho. If you are from outside the Nampa area bid packets may be requested by visiting our website www.newlibraryfornampa.org or by calling 208-468-5806. There will be no charge for the bid packet.

THE NAMPA PUBLIC LIBRARY RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, TO WAIVE ANY IRREGULARITIES IN THE BIDS RECEIVED AND TO ACCEPT THE BID THAT IS IN THE BEST INTEREST OF THE LIBRARY. THE NAMPA PUBLIC LIBRARY IS EXEMPT FROM FEDERAL AND STATE TAXES AND WILL EXECUTE THE REQUIRED EXEMPTION CERTIFICATES.

NAMPA PUBLIC LIBRARY, IDAHO

INSTRUCTIONS AND INFORMATION TO BIDDERS

Bids are to be received no later than March 28, 2014 2pm Mountain Time.

Please submit your original bid along with two additional copies. Additionally, one PDF on thumb drive (replica of print copies).

The submission package or envelope must be **SEALED** and plainly marked with the following: (1) the Solicitation number, (2) the name of the item or service being sought, and (3) the opening date and time. The submitting Vendor's return address must appear on the envelope or package. A submission made using "Express/Overnight" services must be shipped in a separate sealed inner envelope/package identified as stated above. No responsibility will attach to the Library, or to any official or employee thereof, for the pre-opening of, post-opening of, or the failure to open a submission not properly addressed and identified. **DO NOT FAX YOUR BID OR PROPOSAL.** Bids and Proposals must be submitted in writing. No oral, telephone, facsimile, telegraphic, or late submissions will be considered. All submissions must be received at the Library and time and date stamped prior to the closing date and time. It is the submitting Vendor's responsibility to timely submit their Bid or Proposal in a properly marked envelope, prior to the scheduled closing.

The bid can be hand delivered, mailed or express delivered (Fed-Ex, UPS, etc.) to the Nampa Public Library:

Nampa Public Library
101 11th Ave S.
Nampa, ID 83651

The Owner is the Nampa Public Library.

All bids must be signed. Bids not signed will be disqualified and considered non-responsive.

Additional sheets may be included if more room is needed for technical information, answers, and explanations.

ALL QUESTIONS PERTAINING TO THIS RFP MUST BE SUBMITTED BY Thursday March 13, 2014 2pm Mountain Time.

No interpretation of the meaning of the Bid Documents (drawings, specifications, et. al.) will be made to any bidder. Questions may be submitted to:

Claire Connley
Operations Manager, Nampa Public Library
101 11th Ave S., Nampa ID 83651
connleyc@nampalibrary.org
Fax: 208-318-0530

Questions will be answered by the appropriate individuals within 2 business days via email with a return reply acknowledging receipt of the email requested. Questions and answers will be shared with all bidders.

Intent of Bid

It is the intent of these specifications to describe the Audio/Visual System in sufficient detail to secure comparable bids.

Specification Bid Requirements

Bidders will indicate in the "yes/no" column of the "**Bid Schedule**" if their bid complies with the specification. **Where trade names may have been used in the specifications, bidders are not precluded from bidding other makes of equipment in the same or better class.**

Deviations from Specifications

Where deviations from the specifications exist, Bidders are requested to fully explain the deviation using the attached "Equal, Approved Equal, or Equivalent" Request Form. Forms submitted prior to the bid opening must be received at the library **no later than Tuesday March 18.**

Determination of what is "Equal, Approved Equal, or Equivalent"

The determination of what is "equal, approved equal, or equivalent" rests entirely with Nampa Public Library.

Lowest Responsive Bidder

In determining the lowest responsive bid, Nampa Public Library will consider all acceptable bids on a basis consistent with specification requirements, the price to be paid after deduction of any discount specified, the full acquisition cost required to put the equipment or product into operation, and may consider the net cost over the life of the item. The Library will also consider whether the vendor is a responsible bidder

Evaluation of Selected Bidder

Before a contract will be awarded, the Library may conduct such investigations as is necessary to evaluate the Bid and to determine the performance record and ability of the top ranked Bidder to provide the product asked for in this bid. Factors other than cost will be considered in evaluating the proposals and awarding the bid schedules.

Request for Clarification, Protest of Bid Requirements, Standards, Specs, or Process

Any Bidder who wishes to request clarifications, or protest the requirements, standards, specifications or processes outlined in this Request for Bid may submit a written notification to the Library, **to be received no later than Thursday March 13, 2014.** The notification will state the exact nature of the clarification, protest, describing the location of the protested portion or clause in the Bid document and explaining why the provision should be struck, added, or altered, and contain suggested corrections. The Purchasing Agent may either deny the protest, require that the Bid document be modified, modify the Bid, and/or reject all or part of the protest.

Changes to these specifications will be made by written addendum. No verbal clarifications will be binding on the Library or Bidder.

Questions may be submitted by email or fax.

Submit written questions to:

Claire Connley
Operations Manager, Nampa Public Library
101 11th Ave S., Nampa ID 83651
connleyc@nampalibrary.org
Fax: 208-318-0530

Protest of Contractor Selection or Contract Award

Any Bidder who is aggrieved in connection with the selection of a Contractor or award of the contract or Bid may submit a protest to the Purchasing Agent. The protest will be submitted in writing within **seven (7) calendar days after such aggrieved person knows or should have known the facts which give rise to the protest.** The protest must set forth in specific terms the alleged reason the Contractor selection or contract award is erroneous. Any protest addressed to the Mayor or City Council will be referred to the Library.

Submit award protest to:

Claire Connley
101 11th Ave S., Nampa ID 83651
connleyc@nampalibrary.org
Fax: 208-318-0530

Taxes

The Nampa Public Library is exempt from Federal and State taxes and will execute the required exemption certificates.

Public Records

The Library is a public agency. All documents in its possession are public records. Bids are public records and, except as noted below, will be available for inspection and copying by any person. If any Bidder claims any material to be exempt from disclosure under the Idaho Public Records Law, the Bidder will expressly agree to defend, indemnify and hold harmless the Library from any claim or suit arising from the Library's refusal to disclose any such material. No such claim of exemption will be valid or effective without such express agreement. The Library will take reasonable efforts to protect any information marked "confidential" by the Bidder, to the extent permitted by the Idaho Public Records Law. Confidential information must be submitted in a separate envelope, sealed and marked "Confidential Information" and will be returned to the Bidder upon request after the award of the contract. It is understood, however, that the Library will have no liability for disclosure of such information. Any proprietary or otherwise sensitive information contained in or with any Bid is subject to potential disclosure.

Disadvantaged Business Enterprises (D.B.E.)

D.B.E. firms and business enterprises are encouraged to submit a Bid. Women owned and minority owned firms are encouraged to submit a Bid. The Library actively encourages any Bids by D.B.E. firms for goods and services for the Library.

END OF SECTION

GENERAL CONDITIONS

Project Overview

The Nampa Public Library is intending to purchase new/unused furniture for the new Nampa Public Library.

Confirmation/Acknowledgment of Order

The successful Bidder, upon receipt of a purchase order from the Nampa Public Library, will provide written confirmation of that order to the Library within five (5) days. The confirmation will include the date of receipt of the order from the Library, the estimated delivery date, confirmation of the cost, and the factory (manufacturer's) build out number (if applicable). Confirmation/Acknowledgment will be mailed to Nampa Public Library, 101 11th Ave S., Nampa ID 83651.

Price Guarantee

Please indicate on the Bid Proposal Form how long (days), after bid opening date, that you will guarantee bid prices. The minimum price guarantee period, unless otherwise stated, should be at least **90** days.

Purchase Award

This analysis will take into account the purchase price, warranty cost, necessary maintenance, expected life cycle as determined by the Library, and cost of consumable items.

Invoicing

The awarded Bidder will submit all invoices to:

Nampa Public Library
101 11th Ave S
Nampa ID 83651
Attn: Claire Connley

Invoices through City of Nampa are processed bi-weekly. The awarded Bidder can expect the

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City of Nampa to issue and mail payment forty five (45) days after receipt of invoice upon successfully installation of System.

Guarantee

The vendor supplying will guarantee their product will meet or exceed the minimum specifications set forth herein. If the Library finds that the product delivered does not conform to these specifications, the vendor will be required, at their expense, to make all corrections necessary to bring the System into compliance.

Installation

Installation of the System as required per these specifications will be at following locale:

Nampa Public Library
215 12th Ave S
Nampa ID 83651
208-468-5806

The AV Sub-Contractor SHALL hide the install of ALL wire (in their scope) in all areas of the library with NO CEILINGS and Hang & Support ALL wiring in all areas where there is a ceiling. The Sub-Contractor SHALL utilize same color wire (when available) as the color of the EXPOSED CEILING. The AV Sub- Contractor SHALL work with ESI on painting schedule for the install. ALL AV wiring to be completed prior to the EXPOSED CEILING being PAINTED by ESI/SUB-CONTRACTOR. AV Contractor is responsible to PAINT ALL UNPAINTED wiring if wiring is not installed prior to the painting of the exposed ceilings. AV Contractor is responsible for all clean-up of materials and area both during and after installation.

Inspection/acceptance

Prior to final acceptance, and upon installation at the Nampa Public Library, the System will be inspected by Nampa Public Library, for quality, proper functioning, and conformance to the minimum specifications. Items not meeting quality standards or damaged will be replaced by vendor within an acceptable time frame, negotiated through the Library.

Public Agency

Bid prices will be made available to other "Public Agencies", including agencies of the State of Idaho, and as defined in Section 67-2327 of the Idaho Code, which reads: "Public Agency" means any city or political subdivision of this state including, but not limited to counties; school districts; highway districts; port authorities; instruments of counties; cities or any political subdivision created under the laws of the State of Idaho. It will be the responsibility of the "Public Agency" to independently contract with the vendor and/or comply with any other applicable provisions of Idaho Code governing public contracts. Typically, other municipalities buy from our agreement.

Please indicate yes or no to this clause on the bid proposal form.

Taxes

The Nampa Public Library is exempt from Federal and State taxes and will execute the required exemption certificates.

Warranty

The warranty will commence upon the date the product is placed "In Service". The dealer will provide and complete warranty forms with delivery and will take necessary steps to assure that warranties begin on the "in service" date. All warranty service and repair will be communicated to and coordinated through the vendor only.

Information Required

The manufacturer will supply at time of delivery, complete operation and maintenance manuals if applicable.

END OF SECTION

SECTION 17400 AUDIO/VIDEO GENERAL PROVISIONS

PART A – GENERAL

A.01 RELATED SECTIONS

- A. Section 17430 – Video Systems
- B. Section 17435 – Remote Control Systems
- C. Section 17440 – Audio Systems
- D. Section 17450 – Audio/Video Hardware and Power

A.02 DESCRIPTION OF WORK

- A. Extent of Work: Work under this contract shall include the furnishing of materials, labor, tools, transportation services, etc. necessary to complete the installation of the Video System as detailed in these specifications and as illustrated in the accompanying drawings.
- B. Coordination: The Contractor shall cooperate with all other trades and is responsible for interfacing between its work and the work done by others. The Contractor shall submit to the direction and authority of the General Contractor for all scheduling and trade coordination required.

A.03 CONTRACTOR QUALIFICATIONS

- A. Experience: The Contractor shall be an established Audio/Video systems contractor who regularly engages in the furnishing and installation of commercial audio and video systems and shall meet the following requirements:
 - a. Contractor shall be experienced in installation of similar or larger size and scope project within the last three (3) years.
 - b. The Contractor and its workmen possess all appropriate licensing for the work to be completed.
- B. Capabilities: The Contractor shall furnish, at the request of the Owner and to the satisfaction of the Owner, General Contractor and Consultant, information demonstrating that the Contractor has:
 - a. Satisfactorily completed work in similar installations.
 - b. Adequate physical plant and staff to accomplish the work described herein.
 - c. Adequate financial condition for the commitments of the project.

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- C. Product Dealership: The Contractor shall be an Authorized Dealer or franchised supplier for the manufacturer(s) of significant equipment throughout the systems described herein.
 - a. Significant Equipment shall include all serialized items and all items requiring AC power to operate, as well as any items which may require warranty service.

A.04 SYSTEM WARRANTIES AND MAINTENANCE

- A. General Warranty: The Contractor shall warranty the Audio Video systems, including all infrastructure and equipment contained herein, against defects in installation workmanship for the period of one year from date of Final Acceptance of the systems.
 - a. The Contractor shall not be liable for damage or system failures caused by improper use, negligence or acts of God.
 - b. The Contractor shall assist in any necessary repairs by processing warranty claims with equipment manufacturers and reinstalling repaired or replaced equipment.
 - i. If the repair required is in no way related to the installation work performed by the Contractor, standard labor rates may be charged for service calls.
 - ii. If required repairs can be attributed in any way to the installation, including improper wiring, lack of proper precautions, or lack of proper training of the Owner, the Contractor shall provide assistance at no cost to the Owner.
- B. Service Calls: During the warranty period the Contractor shall respond to calls for service within 48 hours during the normal work week.
 - a. If the service call cannot be resolved immediately, the Contractor shall provide resolution in a prompt and timely manner, regardless of preexisting commitments and other projects.
 - b. If the Contractor is unable to resolve the service call, the Contractor shall recommend an alternative Contractor with sufficient capabilities.
 - i. If the cost of such service call is covered under the normal terms of this warranty, the Contractor shall cover any expense incurred.
 - c. Owner Provided Equipment: The Contractor shall not be responsible for servicing any Owner Provided Equipment under the terms of this warranty.

A.05 TRAINING

- A. Training: The Contractor shall provide one technician with thorough knowledge of the installed system for up to 2 hours of Owner training.
 - a. The Contractor shall make available a technician for phone support for up to two (2) hours within the first month of beneficial use.

PART B – PRODUCTS

B.01 GENERAL

- A. Product Condition: All products shall be new and shall be suitable for continuous operation.

B.02 SUBSTITUTIONS

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- A. Discontinued Product: When a specified product has been discontinued by the manufacturer prior to the submittal of the contractor's bid, the Contractor shall use replacement model as determined by the manufacturer. If no replacement model is available, the Contractor shall request alternate product from the Consultant.
 - a. If a specific product is discontinued after bidding and prior to approval of the equipment list, the Contractor shall use alternate products listed in specifications regardless of product continuity used in bidding and at no extra cost to the Owner.
 - b. If no alternate product is available, Consultant shall select alternate product and the system cost shall be adjusted accordingly.
 - c. If a specific product is discontinued after product has been submitted and approved, the Contractor shall provide approved alternate product, as selected by the Consultant, at no additional cost.
- B. Requested Substitution: The Consultant will consider substitute products other than those specified herein. Acceptance of product substitutions that are of an equal or higher quality as compared to specified products will not be unreasonably withheld. All substitution requests shall be as follows:
 - a. Bidding Contractor shall submit all technical specifications and model information a minimum of one week prior to bidding date.
 - b. Evaluation of proposed substitutions shall be made solely by the Consultant and the decision shall be final.

END OF SECTION 17400

SECTION 17430 VIDEO SYSTEMS

PART A – GENERAL

A.06 GENERAL PROVISIONS

- A. All work under this section shall comply with Section 17400 – General Provisions – Audio Video Systems.

A.07 RELATED SECTIONS

- A. Section 17430 – Video Systems
- B. Section 17435 – Remote Control Systems
- C. Section 17440 – Audio Systems
- D. Section 17450 – Audio/Video Hardware and Power

A.08 DESCRIPTION OF WORK

- A. Extent of Work: Work under this contract shall include the furnishing of materials, labor, tools, transportation services, etc. necessary to complete the installation of the Video System as detailed in these specifications and as illustrated in the accompanying drawings.
- B. Schedules: The drawings may contain schedules of loose equipment which indicate the quantities for items specified but not explicitly shown on the drawings. The schedules of loose equipment should be considered part of the Project.

A.09 SUBMITTALS

- A. First Submittal: First submittal shall include items as necessary to demonstrate the selection of equipment and quantity of equipment and shall include, but not be limited to, the following:
 - a. Complete schedule of all equipment and materials to be used.
- B. Final Submittal: Final submittal shall include items as necessary to demonstrate the details of the system and shall include, but not be limited to the following:
 - a. Shop drawings indicating exact details, dimensions and/or configuration for:
 - i. Single-Line wiring diagram showing detailed, numbered wiring between all devices, connections, plates, etc.
 - ii. Rigging diagrams for overhead devices showing hardware selection.
 - b. Labeling artwork indicating designations and details.
 - i. Plate details showing engraving and/or labeling.

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- ii. Sample of cable marking methods.
- iii. Sample of equipment labeling.

A.10 PRODUCT CONTINUITY

- A. Product Types: If multiple acceptable products are listed, provide the same equipment for each type of product.
- B. Product Groups: If multiple acceptable products are listed, provide all equipment in the following groups from the same manufacturer:
 - a. Video Projection Units (VPU)
 - b. Projection Lenses

PART B – PRODUCTS

B.01 VIDEO PROJECTORS (VPU)

- A. Type 2 – Medium Power Projector (VPU2)
 - a. Imaging System: LCD
 - b. Native Resolution: 1280x800 or greater
 - c. Aspect Ratio: 16:9 or 16:10 operated in 16:9 mode
 - d. Brightness: 4000 Lumens or greater
 - e. Acceptable manufacturers are:
 - i. Christie Digital
 - ii. EIKI
 - iii. Hitachi
 - iv. Panasonic

B.02 VIDEO PROJECTION SCREENS

- A. Type 1 – Manual Projection Screen with Controlled Return
 - a. Aspect Ratio: 16:9
 - b. Viewing Area: 52" x 92"
 - c. Surface: Matte White
 - d. Acceptable products are:
 - i. Da-Lite Model C with CSR
 - ii. Draper Luma 2 with AutoReturn

B.03 VIDEO PROJECTOR BRACKET

- A. Type 1 – Universal Spider Bracket
 - a. Adjustable Bracket:
 - i. Description: Universal adjustable projector attachment bracket sized appropriately for weight and mounting points of projector.
 - ii. Pipe Connection: 1.5" NPT

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- b. Security: Provide anti-theft locking
- c. Acceptable manufacturers are:
 - i. Chief
 - ii. Peerless
 - iii. Premier

B.04 PROJECTOR CEILING MOUNT

- A. Type 1 – Tile Bridge Mount
 - a. Above Tile Suspended Ceiling Mount:
 - i. Provide mount of sufficient weight rating for the projector.
 - ii. Pipe Connection: 1.5” NPT
 - b. Drop Pipe:
 - i. Provide ceiling drop pipe not to exceed one foot in total length
 - ii. Maintain minimum drop possible while minimizing keystone correction and allowing adequate airflow around projector.
 - c. Acceptable manufacturers are:
 - i. Chief
 - ii. Peerless
 - iii. Premier

B.05 VIDEO CABLES AND WIRING

- A. Type 1 – Digital HD Cable
 - a. Description: Pre-terminated HDMI cable to be installed between wall plate and projector.
 - b. Type: Plenum Cable with Active Chipset
 - i. Active signal equalization and buffering
 - c. Length: As required
 - d. Acceptable manufacturers are:
 - i. Extron
 - ii. Liberty Cable
- B. Type 2 – High Resolution Analog Wire
 - a. Description: 75 ohm coaxial video wire, five conductor
 - b. Type: Plenum
 - c. Length: As required
 - d. Acceptable manufacturers are:
 - i. Extron
 - ii. Liberty Cable

B.06 LOOSE VIDEO CABLES

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- A. Type 1 – Surface VGA/Audio Cable
 - a. Provide a total of two (2) cables.
 - b. Length: Fifteen (15) feet from connector to connector.
 - c. Acceptable products are:
 - i. Extron VGA-A M-M MD Series or equal

- B. Type 2 – Surface HDMI Cable
 - a. Provide a total of two (2) cables.
 - b. Length: Twelve (12) feet from connector to connector.
 - c. Acceptable products are:
 - i. Liberty Cable HD-600 Series or equal

PART C – EXECUTION

C.01 INSTALLATION

- A. General: All equipment and enclosures described in this specification shall be installed plumb and square. All equipment, except that designated as movable, portable or loose, shall be installed permanently attached to structure. Supports shall be adequate for the intended loads with a minimum safety factor of five.

C.02 WIRING PRACTICES

- A. Wire Type: Any wire not fully encased in conduit shall be plenum rated.

- B. General: All wiring shall be executed in accordance with industry standards and as follows:
 - a. Circuits shall not be spliced unless otherwise shown on drawings.
 - b. No more than one set of wires shall be installed into any single connector (wires shall not be looped through a connector). Terminal blocks shall be provided to parallel connect audio signals as needed.

- C. Wiring Standards: All wiring shall be consistent and shall comply with the following:
 - a. Termination resistors shall be provided as necessary. Resistors shall be installed at the output side of loop-through connectors in equipment which does not have internally selected termination resistance.
 - b. All video cable crimping sleeves shall be covered with shrink wrap tubing in the following color scheme:
 - i. Composite Video: Black
 - ii. Green Component: Green
 - iii. Red Component: Red
 - iv. Blue Component: Blue
 - v. Sync/Horizontal Sync: White
 - vi. Vertical Sync: Yellow

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- D. Wiring Segregation: All wiring in racks and within conduit systems shall be segregated according to signal level and/or function as follows:
 - a. Video circuits and associated line level audio circuits
 - b. AC power circuits
- E. Connections: All connections shall be made in compliance with industry standards, according to connector manufacturer.

C.03 SYSTEM TESTING

- A. System Installation Testing: The procedure for system installation testing shall include, but not be limited to the following:
 - a. Verify proper functionality and performance of all equipment and wiring.
 - b. Color balance and contrast adjustments of all monitors
- B. System Adjustment: Contractor shall adjust the system as follows:
 - a. Placement of projectors to achieve the maximum image size on the projection surface without exceeding the edges of the viewable surface.
 - b. Adjustment of projectors to minimize keystoneing of video images.

END OF SECTION 17430

SECTION 17435 REMOTE CONTROL SYSTEMS

PART A – GENERAL

A.01 GENERAL PROVISIONS

- A. All work under this section shall comply with Section 17400 – General Provisions – Audio Video Systems.

A.02 RELATED SECTIONS

- A. Section 17430 – Video Systems
- B. Section 17435 – Remote Control Systems
- C. Section 17440 – Audio Systems
- D. Section 17450 – Audio/Video Hardware and Power

A.03 DESCRIPTION OF WORK

- A. Extent of Work: Work under this contract shall include the furnishing of materials, labor, tools, transportation services, etc. necessary to complete the installation of the Video System as detailed in these specifications and as illustrated in the accompanying drawings.
- B. Schedules: The drawings may contain schedules of loose equipment which indicate the quantities for items specified but not explicitly shown on the drawings. The schedules of loose equipment should be considered part of the Project.

A.04 SUBMITTALS

- A. First Submittal: First submittal shall include items as necessary to demonstrate the selection of equipment and quantity of equipment and shall include, but not be limited to, the following:
 - a. Complete schedule of all equipment and materials to be used.
- B. Final Submittal: Final submittal shall include items as necessary to demonstrate the details of the system and shall include, but not be limited to the following:
 - a. Shop drawings indicating exact details, dimensions and/or configuration for:
 - i. Single-Line wiring diagram showing detailed, numbered wiring between all devices, connections, plates, etc.
 - ii. Rigging diagrams for overhead devices showing hardware selection.
 - b. Labeling artwork indicating designations and details.
 - i. Plate details showing engraving and/or labeling.

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- ii. Sample of cable marking methods.
- iii. Sample of equipment labeling.

PART B – PRODUCTS

B.01 DSP CONTROLLER

- A. Type 1 – Large System Controller
 - a. Purpose: Large central controller for adjusting individual zone volumes and setting global presets
 - b. Match controller to audio DSP selected
 - c. Acceptable products are:
 - i. Biamp RED-1F
 - ii. Bose ControlSpace CC-64
 - iii. BSS BLU-10

PART C – EXECUTION

C.01 INSTALLATION

- A. General: All equipment and enclosures described in this specification shall be installed plumb and square. All equipment, except that designated as movable, portable or loose, shall be installed permanently attached to structure. Supports shall be adequate for the intended loads with a minimum safety factor of five.

C.02 PROGRAMMING

- A. General: Contractor shall program system controller as directed by the Owner.
 - a. Control functions to include the following:
 - i. Zone volume control and mute
 - ii. Routing of inputs for areas with dedicated audio, such as conference rooms, children’s storytime area, outdoor patio, etc.
 - iii. Global system presets, including an “all off” function and “normal” mode.
 - iv. System timers to trigger specific preset states.
- B. Programming Revisions: The Contractor shall include one revision of the control system in the contract cost. This revision is intended to correct initial programming concepts in order to best fit the needs of the Owner, and should be offered after the conclusion of system commissioning.
 - a. The initial control programming shall be presented to the Owner for written approval. This will constitute the initial programming. If no approval is obtained, any revisions will be considered part of the initial programming.
 - b. No programming functions shall be required beyond those functions specified above.

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- c. Following the acceptance of the initial programming, and following the acceptance of the first programming revision, the Contractor may request payment for additional revisions.
- d. No more than four (4) man-hours may be charged for any programming revision, billed at standard rates so long as the hourly cost does not exceed one hundred dollars (\$100).

C.03 SYSTEM TESTING

- C. System Installation Testing: The procedure for system installation testing shall include, but not be limited to the following:
 - a. Verify proper functionality and performance of the control system through all functions as programmed.
- D. System Adjustment: Contractor shall adjust the system as follows:
 - a. Recallable settings shall be programmed with the appropriate desired sound levels in all areas, and with any desired signal routing and frequency filters requested by the Owner.

END OF SECTION 17435

SECTION 17440 AUDIO SYSTEMS

PART A – GENERAL

A.05 GENERAL PROVISIONS

- A. All work under this section shall comply with Section 17400 – General Provisions – Audio Video Systems.

A.06 RELATED SECTIONS

- A. Section 17430 – Video Systems
- B. Section 17435 – Remote Control Systems
- C. Section 17440 – Audio Systems
- D. Section 17450 – Audio/Video Hardware and Power

A.07 DESCRIPTION OF WORK

- A. Extent of Work: Work under this contract shall include the furnishing of materials, labor, tools, transportation services, etc. necessary to complete the installation of the Audio System as detailed in these specifications and as illustrated in the accompanying drawings.
- B. Schedules: The drawings may contain schedules of loose equipment which indicate the quantities for items specified but not explicitly shown on the drawings. The schedules of loose equipment should be considered part of the Project.

A.08 SUBMITTALS

- A. First Submittal: First submittal shall include items as necessary to demonstrate the selection of equipment and quantity of equipment and shall include, but not be limited to, the following:
 - a. Complete schedule of all equipment and materials to be used.
 - b. Device colors.
- B. Final Submittal: Final submittal shall include items as necessary to demonstrate the details of the system and shall include, but not be limited to the following:
 - a. Shop drawings indicating exact details, dimensions and/or configuration for:
 - i. Single-Line wiring diagram showing detailed, numbered wiring between all devices, connections, plates, etc.
 - ii. Rigging diagrams for overhead devices showing hardware selection.
 - b. Labeling artwork indicating designations and details.

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- i. Plate details showing engraving and/or labeling.
- ii. Sample of cable marking methods.
- iii. Sample of equipment labeling.

A.09 PRODUCT CONTINUITY

- C. Product Types: If multiple acceptable products are listed, provide the same equipment for each type of product.
- D. Product Groups: If multiple acceptable products are listed, provide all equipment in the following groups from the same manufacturer:
 - a. Digital Signal Processors (DSP)
 - b. Power Amplifiers (AMP)
 - c. Wireless Microphones (WRLS)
 - d. Ceiling and Wall Loudspeakers (Sx)
 - e. Volume Controls (VOL)

PART B – PRODUCTS

B.01 DIGITAL SIGNAL PROCESSORS (DSP)

- A. Type 1 – 12x12 Audio Processor
 - a. Inputs: 12 Mic/Line balanced inputs
 - b. Outputs: 12 Mic/Line balanced outputs
 - c. Future Expansion: Up to 32 total I/O Required
 - d. Acceptable Products are:
 - i. Bose ControlSpace ESP00-II
 - ii. Biamp AudiaFLEX
 - iii. BSS BLU-80 with BLU-32 Expander

B.02 POWER AMPLIFIERS (AMP)

- A. Type 1 – Medium Power Multi-Channel Amplifier
 - a. Minimum power output: 500 watts per channel with 70V output.
 - b. Acceptable Products are:
 - i. Bose PowerMatch PM8500
 - ii. Crown DCi 8|600
 - iii. Powersoft OTTOCANALI 4K4

B.03 DISTRIBUTED LOUDSPEAKERS

- A. Type 1 – Small Recessed Ceiling Speaker (S1)
 - a. Verify device colors for each area with Owner prior to ordering.
 - b. Acceptable products are:
 - i. Atlas FAP42T

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- ii. Bose DS16F
- iii. JBL Control 24CT

B. Type 2 – Small Pendant Ceiling Speaker (S2)

- a. Verify device colors for each area with Owner prior to ordering.
- b. Acceptable products are:
 - i. Atlas PM4FA
 - ii. Bose DS16F w/ Pendant Kit
 - iii. JBL Control 65 P/T

C. Type 3 – Large Recessed Ceiling Speaker (S3)

- a. Verify device colors for each area with Owner prior to ordering.
- b. Acceptable products are:
 - i. Bose DS16F w/ Pendant Kit
 - ii. JBL Control 47HC
- c. Alternate Manufacturers:
 - i. Atlas FAP82T

D. Type 4 – Small Wall Speaker (S4)

- a. Verify device colors for each area with Owner prior to ordering.
- b. Acceptable products are:
 - i. Atlas SM52T
 - ii. Bose DS16S
 - iii. JBL Control 23T

E. Type 4 – Large Outdoor Wall Speaker (S5)

- a. All outdoor speakers shall be white in color.
- b. Acceptable products are:
 - i. Atlas SM52T
 - ii. Bose DS16S
 - iii. JBL Control 28T-60-WH

B.04 PORTABLE AUDIO MIXER

A. Type 1 – Small Format Audio Mixer

- a. Provide a total of two (2) mixers.
- b. Microphone Inputs: 4 minimum.
- c. Stereo Inputs: 2 minimum
- d. Output Connectors: Male XLR only
- e. Acceptable products are:
 - i. Allen & Heath ZED-10
 - ii. Mackie 1202VLZ4
 - iii. Soundcraft EPM6

B.05 LOOSE AUDIO CABLES

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- A. Type 1 – Short Microphone Patch Cable
 - a. Provide a total of six (6) cables.
 - b. Connectors: Neutrik XX Series Male and female XLR.
 - c. Length: Six (6) feet from connector to connector.
 - d. Acceptable products are:
 - i. RapcoHorizon “RoadHog” Series or equal.
- B. Type 2 – Medium Microphone Patch Cable
 - a. Provide a total of six (6) cables.
 - b. Connectors: Neutrik XX Series Male and female XLR.
 - c. Length: Fifteen (15) feet from connector to connector.
 - d. Acceptable products are:
 - i. RapcoHorizon “RoadHog” Series or equal.

B.06 INSTALLED AUDIO WIRE

- A. Type 1 – Balanced Line/Microphone Level Wire:
 - a. Conductors: One pair
 - b. Conductor Size: 18 to 22 AWG stranded
 - c. Shield: 100% foil with drain wire
 - d. Jacket: Plenum Rated PVC
 - e. Acceptable products are:
 - i. Belden 88761
 - ii. Liberty 22-1P-CMP
 - iii. West Penn 25291
- B. Type 2 – Distributed Speaker Level Wire:
 - a. Conductors: Two
 - b. Conductor Size: 16 AWG stranded
 - c. Shield: None
 - d. Jacket: Plenum Rated PVC
 - e. Acceptable products are:
 - i. Belden 1862A
 - ii. Liberty 16-2C-P
 - iii. West Penn 25225

B.07 CONNECTORS

- A. Cable Mounted Audio Connectors:
 - a. Type/Quantity: As required for a functional System
 - b. Color: Black
 - i. Alternate Color: Silver when Black is unavailable
 - c. Acceptable Manufacturers are:
 - i. Neutrik

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ii. Switchcraft

B.08 TELEPHONE INTERFACE

- A. Paging interface from telephone system
 - a. Telephone system provided by others.
 - b. Telephone system format is unknown, and thus the paging interface shall be provided by others.
 - c. DSP system to include line-level inputs for paging
 - i. 4 inputs shall be made available
 - ii. Control inputs shall be made available
 - iii. Refer to design drawings for details

PART C – EXECUTION

C.01 INSTALLATION

- A. General: All equipment and enclosures described in this specification shall be installed plumb and square. All equipment, except that designated as movable, portable or loose, shall be installed permanently attached to structure. Supports shall be adequate for the intended loads with a minimum safety factor of five.

C.02 WIRING PRACTICES

- A. Wire Type: Any wire not fully encased in conduit shall be plenum rated.
- B. General: All wiring shall be executed in accordance with industry standards and as follows:
 - a. All audio equipment input and output wiring shall be configured as balanced, low impedance unless otherwise shown on drawings.
 - b. Circuits shall not be spliced unless otherwise shown on drawings.
 - c. Proper polarity shall be observed and verified throughout the system.
 - d. No more than one set of wires shall be installed into any single connector (wires shall not be looped through a connector). Terminal blocks shall be provided to parallel connect audio signals as needed.
- C. Wiring Standards: All wiring shall be consistent and shall comply with the following:
 - a. All audio circuits shall be wired with white or red as high signal and black as low signal.
 - b. All XLR type connectors shall be wired with Pin 1 as shield, Pin 2 as hot and Pin 3 as cold.
- D. Wiring Segregation: All wiring in racks and within conduit systems shall be segregated according to signal level and/or function as follows:
 - a. Microphone level (less than -20 dBm) and line level (-20 to 30 dBm and DC control)
 - b. Speaker level (greater than 30 dBm)

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- c. AC power circuits
- E. Shielding: Shield/drain wires on all audio circuits shall be connected as shown and not to any other points including conduit. This wire shall be exposed at all connection points and insulated with green sleeving or tubing. Shield/drain wires shall not be connected to the connector body at any time.
- F. Connections: All connections shall be made in compliance with industry standards, according to connector manufacturer.
- G. Connector Options: If multiple connection types are available, the order of preference is as follows:
 - a. Euro-style or "phoenix" connectors with tinned wire ends
 - b. Terminal blocks and spade lugs
 - c. XLR-type connectors
 - d. SpeakOn twist-lock type connectors
 - e. Phone plug connectors

C.03 LOUDSPEAKER INSTALLATION

- A. General: Loudspeakers shall be mounted to or suspended from the structure using manufacturer-installed mounting points on the loudspeaker only.
 - a. All openings required for loudspeakers or loudspeaker connections shall be cut and finished.
- B. Deviation from Drawing Locations: If the installation location indicated on drawings is obstructed by other devices or deemed to be an impossible location, or if the Owner requests an alternate location due to aesthetic considerations, the new location shall not exceed twelve inches from the intended location.
 - a. Deviations in excess of twelve inches shall be approved by AV Consultant in writing prior to installation.
 - b. Contractor is responsible for ultimately delivering uniform sound coverage to the standard provided by the system design and shown on the system drawings.
- C. Contractor shall provide technicians to adjust the loudspeakers as directed by the Consultant.

C.04 SYSTEM TESTING

- A. System Installation Testing: The procedure for system installation testing shall include, but not be limited to the following:
 - a. Verify proper functionality and performance of all equipment and wiring.
 - b. Test polarity of all equipment and wiring.
 - c. Measure frequency response of each device

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- i. Pink noise shall be inserted at the earliest input point possible and shall be measured at the loudspeaker locations using calibrated test equipment.
 - d. Check all loudspeakers for any rattles, buzzing, or other physical vibration or driver damage using the following procedure:
 - i. Insert frequency sweep not to exceed manufacturer stated frequency response of devices.
 - ii. Sweep should be amplified to one-quarter the rated power handling of the loudspeaker
 - e. Check for oscillations and/or radio frequency interference at the output of the amplifiers
- B. System Performance Testing: The procedure for system performance testing shall include the measurement and recording of system performance as follows:
 - a. Measure and record the impedance of each discreet speaker line at 50 Hz, 500 Hz and 5000 Hz with all loudspeakers installed and configured according to specifications.
 - b. Measure and record the overall system hum and noise levels at a typical listener location within the room and with the following settings:
 - i. A typical microphone input terminated at 200 ohms.
 - ii. The console and/or DSP gain set so that a -30 dBm input signal produces a console output of 0 dBm.
 - iii. All signal processing equipment set to unity gain and flat equalization
 - iv. All power amplifiers set to maximum gain

C.05 ADJUSTMENT AND SETUP

- A. Audio Test Equipment: The Contractor shall provide the following professional test and measuring equipment for all system testing and adjustment:
 - a. 1/3 octave real time analyzer. Acceptable systems are:
 - i. Audio Control
 - ii. Smaart
 - iii. Audio Toolbox
 - iv. EARS®
 - v. Other equal or industry-standard equipment, as approved in advance by Consultant.
 - b. Software-based test equipment shall be operated from a laptop, desktop or notebook computer only.
 - i. Tablet, cell phone or non-dedicated handheld devices shall not be acceptable testing platforms.
 - c. Test Signal Generator: External generator is preferred. If signal generator is contained within test equipment, transfer function testing is required to verify signal integrity and accuracy.

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- d. Test Microphones: Industry standard or manufacturer-calibrated microphones shall be used.

END OF SECTION 17440

SECTION 17450 AUDIO/VIDEO HARDWARE AND POWER

PART A – GENERAL

A.01 GENERAL PROVISIONS

- A. All work under this section shall comply with Section 17400 – General Provisions – Audio Video Systems.

A.02 RELATED SECTIONS

- A. Section 17430 – Video Systems
- B. Section 17435 – Remote Control Systems
- C. Section 17440 – Audio Systems

A.03 DESCRIPTION OF WORK

- A. System Design: Work under this section shall include the design of the AC power distribution within the equipment rack as required for a functional system.
- B. Extent of Work: Work under this contract shall include the furnishing of materials, labor, tools, transportation services, etc. necessary to complete the installation of the related systems as detailed in these specifications and as illustrated in the accompanying drawings.
- C. Schedules: The drawings may contain schedules of loose equipment which indicate the quantities for items specified but not explicitly shown on the drawings. The schedules of loose equipment should be considered part of the Project.

A.04 WORK NOT INCLUDED

- A. Back box installation: Back boxes are provided and installed by others according to the electrical and AV drawings provided.
- B. Conduit and Wire Pathway: All conduits and wire pathway, including cable trays, shall be provided by others according to the Electrical and AV drawings provided.

A.05 SUBMITTALS

- A. First Submittal: First submittal shall include items as necessary to demonstrate the selection of equipment and quantity of equipment and shall include, but not be limited to, the following:

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- a. Complete schedule of all equipment and materials to be used.
- B. Final Submittal: Final submittal shall include items as necessary to demonstrate the details of the system and shall include, but not be limited to the following:
 - a. Shop drawings indicating exact details, dimensions and/or configuration for:
 - i. AC power distribution demonstrating adequate nameplate circuit provisions.
 - b. Labeling artwork indicating designations and details.
 - i. Plate details showing engraving and/or labeling.
 - ii. Sample of cable marking methods.
 - iii. Sample of equipment labeling.

PART B – PRODUCTS

B.01 EQUIPMENT RACKS

- A. Type 1 – Medium Floor Rack
 - a. Type: Wall-mounted metal rack enclosure
 - b. Minimum Vertical Rack Spacing: 31.5 inches (18RU)
 - c. Minimum Depth: 23 inches
 - d. Acceptable Products are:
 - i. Atlas 221-25
 - ii. Middle Atlantic ERK-1825
 - e. Alternate Manufacturers
 - i. Omni (must meet above requirements)
 - ii. Gator (must meet above requirements)

B.02 RACK ACCESSORIES

- A. Blank Rack Panels
 - a. Solid steel or aluminum plates with flanged edges, black
 - b. Provide sufficient blanks to fill all unused front rack spaces
 - c. Acceptable Manufacturers are:
 - i. Atlas Sound
 - ii. Middle Atlantic
 - iii. Or equivalent manufacturer
- B. Volume Control Rack Panel
 - a. Construction: Aluminum or steel with flanged edges
 - b. Finish: Black
 - c. Size: As required to house selected DSP controller
 - d. Labeling: Engraved
 - e. Acceptable Manufacturers are:
 - i. Panel Crafters
 - ii. RapcoHorizon
 - iii. RCI

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iv. Whirlwind

B.03 WALL PLATES

- A. Type 1 – Single Microphone Input Plate (WP1)
 - a. Construction: Aluminum Gang Plate
 - b. Finish: Black (verify with Owner prior to ordering)
 - c. Size: Single Gang
 - d. Labeling: Engraved
 - e. Jacks:
 - i. One female Neutrik XLR, centered
 - f. Acceptable Manufacturers are:
 - i. Panel Crafters
 - ii. RapcoHorizon
 - iii. RCI
 - iv. Whirlwind

- B. Type 2 – Video Input Wall Plate (WP2)
 - a. Construction: Aluminum Gang Plate
 - b. Finish: Black (verify with Owner prior to ordering)
 - c. Size: Single Gang
 - d. Labeling: Engraved
 - e. Jacks:
 - i. One HDMI pass-through
 - ii. One HD15 (VGA) pass-through
 - iii. One 3.5mm Stereo pass-through or solder type
 - f. Acceptable Manufacturers are:
 - i. Panel Crafters
 - ii. RapcoHorizon
 - iii. RCI
 - iv. Whirlwind

- C. Type 3 – Television Location Wall Plate (TV)
 - a. Construction: Aluminum Gang Plate
 - b. Finish: Black (verify with Owner prior to ordering)
 - c. Size: Single Gang
 - d. Labeling: Engraved
 - e. Jacks:
 - i. One HDMI pass-through
 - ii. One HD15 (VGA) pass-through
 - iii. One 3.5mm Stereo pass-through or solder type
 - f. Acceptable Manufacturers are:
 - i. Panel Crafters
 - ii. RapcoHorizon
 - iii. RCI

iv. Whirlwind

B.04 RACK POWER CONDITIONING

- A. Power Conditioning Device
- B. Provide power conditioning to all rack-mounted equipment
- C. Acceptable manufacturers are:
 - a. Furman
 - b. Juice Goose
 - c. Surgex
 - d. Middle Atlantic
 - e. Lowell
 - f. Atlas

B.05 RACK POWER OUTLET STRIPS

- A. Provide as required
- B. Acceptable manufacturers are:
 - a. Furman
 - b. Juice Goose
 - c. Surgex
 - d. Middle Atlantic
 - e. Lowell
 - f. Atlas

PART C – EXECUTION

C.01 AC POWER DISTRIBUTION

- A. General: Design, provide and install AC power distribution system for all technical systems as follows:
 - a. The power distribution system shall plug into dedicated AV system power receptacles as provided by others.
 - b. The power distribution system shall be bonded to the isolated ground from the A/V panelboard.
- B. Power Distribution: Provide distribution strips as follows:
 - a. Provide AC receptacles for all AC power devices included in the A/V System.
 - i. Combine receptacles into branch circuits that do not exceed 75% of the breaker rating for that circuit.
 - ii. In each enclosure provide the number of receptacles required by present equipment plus a minimum of two spare receptacles for future equipment.

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- b. Power strips provided may be vertical strips mounted on the left side of the enclosure as viewed from the rear, or rack-mountable strips located at the top of the front rack rail of the enclosure.
 - C. Power Conditioning
 - a. Provide conditioned power for the following:
 - i. All DSP devices
 - ii. All video devices
 - iii. All audio amplifiers
 - D. Power Sequencing
 - a. Sequence: Do not provide sequenced power to any devices connected in any way to the intercom system.
- C.02 BACK BOX COORDINATION
- A. AV Contractor shall coordinate with other trades for final locating of all device back boxes, junction boxes, outlet boxes, floor pockets or other AV infrastructure boxes.
- C.03 INSTALLATION
- A. General: All equipment and enclosures shall be installed plumb and square. All equipment, except that designated as movable, portable or loose equipment, shall be installed permanently attached to structure. Supports shall be adequate to support their loads with a minimum safety factor of five.
 - B. Equipment Racks: All racks shall be assembled as follows:
 - a. All racks shall be pre-wired offsite to the extent possible and practical.
 - b. All rack-mounted equipment shall be installed using black phillips head screws with nylon washers. No allen head or security screws shall be permitted.
 - c. Any rack device with front-side connection points shall be mounted at a depth which prevents standard connectors from extending beyond the front plane of the enclosure face.
 - d. All unused spaces shall be filled with solid blank panels as directed in section B.02.
 - C. Wiring Management and Containment: All wiring connections to racks shall be connected as follows:
 - a. All fixed-position racks shall be connected to junction boxes or backing boards by non-conductive flexible conduit or cable tray.
 - i. Cable tray connections shall include an isolation connector at the rack.
 - D. Plates and Outlets: All plates, covers, pockets and other outlets shall be provided and installed as follows:
 - a. The Contractor shall be responsible for acquiring or constructing all covers or plates and assembling the plates as indicated in the specifications.

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- b. All plates shall be mounted square in a secure manner using all available mounting holes.
- c. All plates shall be a single-piece. Plates mounted on top of other plates shall not be accepted.

C.04 GROUNDING

- A. Enclosure Grounding: Ground and bond equipment enclosures and devices within those enclosures as follows:
 - a. Electrically isolate rack enclosures from floors, catwalks, conduits and boxes.
 - b. At each enclosure or rack provide a ground bus bar within the enclosure and bond as follows:
 - i. A #4 ground conductor from the AV panelboard (provided by others) shall be located near the enclosure. In the case of a single enclosure, bond the #4 ground conductor to the bus bar in the enclosure.
 - c. Bond AC power distribution to the ground bus bar using #12TW stranded wire with green insulation.
- B. Interference: All necessary precautions shall be taken to minimize electromagnetic and electrostatic interference in the completed audio and video systems.
- C. Shielding: All shield or drain wires on all audio circuits shall be connected according to industry standard practices and shall not be connected to other points including conduits.

END OF SECTION 17450

Specification List

Warranty Documentation: Vendor is to submit warranty information for all items.

PRICING MUST INCLUDE ALL PRODUCTS, FREIGHT, AND DELIVERY TO LIBRARY LOCATION, SET-UP, AND INSTALLATION.

Requirement	Complies Y/N	Comments
1. Contractor has installed system of similar or larger size in the last three (3) years.		
2. Contractor and its workmen possess all appropriate licensing for the work to be completed.		
3. Contractor is an authorized dealer or franchised supplier for the manufacturer(s) of significant equipment throughout the systems described.		
4. Contractor shall warranty the Audio Video systems, including all infrastructure and equipment contained herein, against defects in installation workmanship for the period of one year from date of Final Acceptance of the systems.		
5. During the warranty period the Contractor shall respond to calls for service within 48 hours during the normal work week.		
6. Contractor shall provide one		

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<p>technician with thorough knowledge of the installed system for up to 2 hours of Owner training.</p>		
<p>7. Contractor will provide all equipment in the following groups from the same manufacturer: a. Video Projection Units (VPU) b. Projection Lenses</p>		
<p>8. If multiple acceptable products are listed, the contractor will provide all equipment in the following groups from the same manufacturer: a. Digital Signal Processors (DSP) b. Power Amplifiers (AMP) c. Wireless Microphones (WRLS) d. Ceiling and Wall Loudspeakers (Sx) e. Volume Controls (VOL)</p>		
<p>9. Contractor will hide/bundle cabling and wires in a sufficient manner so as not to be visually unappealing in exposed ceiling. Wires to be painted after installation.</p>		

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<p>10. AV Sub-Contractor SHALL hide the install of ALL wire (in their scope) in all areas of the library with NO CEILINGS and Hang & Support ALL wiring in all areas where there is a ceiling. The Sub-Contractor SHALL utilize same color wire (when available) as the color of the EXPOSED CEILING. The AV Sub- Contractor SHALL work with ESI on painting schedule for the install ALL AV wiring prior the EXPOSED CEILING being PAINTED by ESI/SUB-CONTRACTOR. AV Contractor is responsible to PAINT ALL UNPAINTED wiring if wiring is not installed prior to the painting of the exposed ceilings.</p>		
<p>11. Prices will be guaranteed for how many days from awarding of contract. (90 days minimum)</p>		

SIGNATURE PAGE RETURN WITH BID IN SEALED ENVELOPE

Name of Business:

Please print or type

Address:

City:

State:

Zip Code:

Phone No.:

Fax No.:

Federal Tax ID Number

Signature:

Printed Name:

Title:

Date:

Bidders Acknowledge Receipt of the Following Addenda:

Addendum	Date
1.	
2.	
3.	
4.	

Bid prices will be made available to other "Public Agencies", including agencies of the State of Idaho, and as defined in Section 67-2327 of the Idaho Code, which reads: "Public Agency" means any city or political subdivision of this state including, but not limited to counties; school districts; highway districts; port authorities; instruments of counties; cities or any political subdivision created under the laws of the State of Idaho. It will be the responsibility of the "Public Agency" to independently contract with the vendor and/or comply with any other applicable provisions of Idaho Code governing public contracts. Typically, other municipalities buy from our agreement.

Accept Public Agency Clause? Yes _____ No _____

