

SECTION 11 5200 - AUDIO / VISUAL SYSTEM

PART 1 - GENERAL

1.01 SUMMARY

A. Includes But Not Limited To:

1. Furnish and install the following as described in Contract Documents:

- a. All Audio / Visual system conduits and conductors. Terminate to all A/V equipment as detailed on the drawings.

B. Products Supplied And Installed Under This Section:

- 1. Amplifier.
- 2. Speakers and accessories.
- 3. Audio system user interface.
- 4. Volume Controls.
- 5. Audio / visual control racks.
- 6. Bell System Controller

C. Related Sections:

1. Division 26:

- a. Raceways, boxes and connections, trench ducts, equipment, fittings, and related cables.
- b. Power to equipment locations including 220v/120v step-down transformers as required.

1.02 SUBMITTALS

A. Shop Drawings: Include Manufacturer's data sheets.

B. Closeout:

1. Operations and Maintenance Manual:

- a. Bind manual in three-ring, hard backed binder with clear plastic pocket on spine. Spine of each binder shall have following typewritten lettering inserted:
AUDIO / VISUAL.
RECORD DOCUMENTS.
for Audio Visual System of
Logan Seminary.
- b. Provide master index at the beginning of the manual showing items included. Use plastic tab indices for each of following sections:

- 1) Project data, including:
 - a) Names, addresses, and phone numbers of Architect, Sound / Acoustic Consultant, General Contractor, Electrical Subcontractor, and Sound Installer.
 - b) Address of building.
 - c) LDS Church Property Number of building.
 - 2) Equipment:
 - a) List of equipment items provided showing quantity, make, model, and serial numbers.
 - b) Indicate if items are installed or portable.
 - c) Include Manufacturer's specification sheets for each item and Manufacturer's installation, operation, and maintenance manuals supplied with equipment.
 - 3) Provide divider and space for system test report supplied by Sound / Acoustic consultant at time of final inspection:
 - 4) System Specifications: Include copies of those portions of Divisions 01, 13, and 16 applying to sound and video systems.
 - 5) System Drawings: Provide divider and space for folded reduced copies of record drawings that will be sent by Architect or consultant to Owner later.
- c. Submit two complete manuals as required by Division 01 at time of equipment commissioning. Provide one additional copy and leave with building custodian.

1.03 QUALITY ASSURANCE

A. Qualifications:

B. Pre-Installation Conference:

1. Schedule Pre-Installation Conference before installation of audio / visual system.
2. In conjunction with pre-installation conference, inspect building to confirm initial construction will adequately receive audio / visual equipment.
3. Owner will provide Pre-Installation Checklist to be used for pre-installation inspection.

PART 2 - PRODUCTS

2.01 COMPONENTS

A. As scheduled on Drawings.

B. Approved Equipment Supplier: As scheduled on Drawings.

PART 3 - EXECUTION

3.01 ACCEPTABLE INSTALLERS

A. Contact Information:

1. Audiovision Plus, Layton, UT (801) 552-900 attention: Nate Mansfield.
2. General Communications, Murray, UT (801) 266-5731.
3. Marshal Industries, Salt Lake City, UT (801) 266-2428

3.02 PREPARATION

A. Preliminary Inspection:

1. Inspect building after installation of conduit and prior to cover-up to confirm construction has included appropriate initial work relating to audio / visual system.
2. Verify compliance of the following items before beginning system installation.
 - a. No video cables spliced.
 - b. Cables marked at each end with permanent wire labels.
 - c. Specified cables and equipment cabinets are properly installed.
3. Organize and place all spare parts, installation materials, and supplies in designated cabinets and drawers.

3.03 INSTALLATION

A. Cables:

1. Leave sufficient service loops of uniform length on cables to allow operation of system with chassis outside cabinet.
2. Make cable connections and terminations with appropriately crimped or soldered connector.
3. Terminate conductors with proper mating connectors. Do not use adapters. Use proper crimp tool as recommended by Manufacturer of terminations, i.e., spade lugs, TV connectors, etc. Use controlled duty cycle ratcheting crimp tools of proper size for spade lugs and Molex pins.
4. Secure cables to panel with wire ties to ensure neat installation. Do not use double-stick tape or sticky-back cable anchors. Keep high level and low-level circuits in separate runs and bundles.

3.04 DEMONSTRATION

- A. Completely check, calibrate, and test connected hardware and software to insure system performs in accordance with Contract Documents and sequences of operation submitted.
- B. Demonstrate complete system operation for Owner.
- C. Final Acceptance:

MORGAN UT SEMINARY BUILDING
185 E. 100 N.
Morgan, Utah 84050

Permit Set

1. System commissioning will be performed.
2. Written acceptance sign-off of system operation will then occur and warranty will begin.
Acceptance will be signed.

END OF SECTION 11 5200