PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

A. The work includes the provision of Assistive Listening Systems (ALS) as part of the building project.

B. Portable ALS shall be provided to the Owner, where specified.

C. Scope of Work: The work shall consist of the design, provision, termination, testing, and documentation of a complete and fully functional ALS. The instructions in this section are specific to the ALS installations and should be read in conjunction with other contract documents as applicable.

1.2 REGULATORY REFERENCES

A. ALS equipment provided per this Section shall be in full compliance with the requirements of the Americans with Disabilities Act and as needed for the facility to meet full compliance.

B. ALS System shall be provided in accordance with CBC Section 11B-219 and shall comply with CBC Section 11B-706. See CBC Section 202.for definition of assembly areas.

C. The minimum number of receivers to be provided shall be equal to 4% fo the total number of seats, but in no case less than two. 25% minimum of the receivers provided, but no less than two, shall be hearing aid compatible in accordance with CBC Section 11B-706.3.

D. If the system provided is limited to specific areas or seats, then such areas or seats shall be within a 50-foot viewing distance of, and have a complete view of, the stage or playing area. CBC Section 11B-219.4.

1.3 SUBMITTALS

A. Prior to ordering materials or commencing any construction activities, the contractor shall provide the Owner with a complete bill of materials, including all quantities of components, devices, equipment, and wiring required to complete this work

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. Listen Technologies
   2. Williams Sound
   3. Sennheiser

2.2 PRODUCT REQUIREMENTS

A. Portable System – Provide 3 complete systems
   1. Basis of design Listen Technologies

2. The full complement of equipment provided shall constitute a complete system of compatible components as produced by a single manufacturer. A mix of components by multiple manufacturers shall be unacceptable.
3. The assistive listening system (ALS) shall be capable of broadcasting on 57 channels and be frequency agile. The ALS system shall have 80dB SNR or greater, end-to-end. Receivers shall be frequency agile and frequency set with a "seek" button. The receiver will incorporate a stereo headset jack that allows the user to plug in either a mono or stereo headset and listen to audio normally. The portable receivers and transmitters shall incorporate automatic battery charging circuitry for recharging of Ni-MH batteries.
4. Portable equipment for one system
   a. Listen Technologies LT-700-216 Portable Transmitter (Qty: 1), or equal.
   b. Listen Technologies LA-263 Line/Microphone “Y” Cable (Qty: 1), or equal
   c. Listen Technologies LA-278 Behind-the-Head Microphone (Qty: 1), or equal
   d. Listen Technologies LR-400-216 Portable Display receiver (Qty: 3), or equal
   e. Listen Technologies LA-166 Neck Loop (Qty: 1), or equal
   f. Listen Technologies LA-164 Ear Speaker (Qty: 2), or equal
   g. Listen Technologies LA-362 NiMH rechargeable batteries. (Qty: 3), or equal
   h. Listen Technologies LA-317 4-Unit Charging/Carrying Case (Qty 1), or equal

PART 3 - EXECUTION

3.1 EQUIPMENT INSTALLATION

A. All specified portable ALS equipment shall be delivered to the University unopened in original packaging for installation and/or deployment by others.

END OF SECTION