SECTION #######

AUDIOVISUAL INFRASTRUCTURE

PART 1 – GENERAL

1.1 GENERAL PROVISIONS

A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:

1. Projector Structure
2. Electrical Boxes
3. Blocking
4. Audiovisual Conduit

1.3 GENERAL INFRASTRUCTURE REQUIREMENTS

A. Always double check with Dartmouth Project Manager and Classroom Technology Services Project Manager to ensure you are following the latest set of Infrastructure Drawings.

B. If something contained within this Document is not achievable, please inform Dartmouth Classroom Technology Services – Design and Engineering as soon as it has become apparent.

C. Always account for a data wire for an in-room phone for each classroom. This will not be included in the AV drawings for data requirements. Network Services, ITC are the ultimate stakeholders for how these jacks are located and terminated.

D. Ultimately, pathway for AV is up to the Electrical contractor to decide, however guidelines in this document and the CTS drawing set should be followed. If a change is necessary given site conditions, the Electrical contractor or Project Manager should check with Design and Engineering at Dartmouth College.

E. Electrical AV Box orientation and box placement in the room are important in CTS drawings. Please make sure the orientation of back boxes are correct. In addition, make sure the AV pathway, data and power finish in their correct spot. Follow Detail drawings. If there are issues or concerns, please reach out to Classroom Technology Services - Design and Engineering at Dartmouth College.
1.3 PROJECTOR STRUCTURE
   A. Each projector location requires a # shape Unistrut unless otherwise noted.

1.4 ELECTRICAL BOXES
   A. Orientation of back boxes must be correct and match AV drawing.
   B. AV pathway, data and power finish in their correct spot.
   C. All data terminations within wall boxes, floor boxes, ceiling shall be finished into a finish plate OR in the manner described within the AV drawings.

1.5 BLOCKING
   A. ¾” plywood blocking is required where blocking is called out in drawings unless otherwise noted.
   B. Each Flat Panel, wall mounted credenza, wall mounted speaker, and wall mounted projector location shall have blocking behind Drywall unless otherwise noted.

1.6 CONDUIT FOR AV PATHWAY
   A. AV pathway is the ONLY pathway depicted on the CTS drawings. Finish locations for power and data are depicted, but NOT their pathway.
   B. AV specific pathway shall not share conduit with Power or Data.
   C. Leave pull-string in any AV conduit that is considered an AV pathway. This should be done anytime the conduit is left empty, including for new installs.
   D. All AV conduit size shall be 1" unless otherwise noted.
   E. Limit conduit bends to a maximum of two 90 degree bends.
   F. No flexible conduit to be used for AV pathway, only EMT.

END OF SECTION