

SPECIFICATIONS
FOR
ELECTRO-MAGNETIC STRIKING DEVICE WITH AUTOMATIC CONTROL SYSTEM
ON
SWITZLER HALL BELL

1. LOCATION: Switzler Hall, in which the work described herein is to be installed, is located on the Red Campus of the University of Missouri, in the city of Columbia, Missouri.
2. GENERAL: Existing bell was cast in 1882, by Clinton H. Meneely Co., Troy, New York, and has an outside diameter of 46½ inches, overall height 35 inches, thickness of bell suspension pin is approximately 4 inches and the condition of the bell is sound.
3. WORK TO BE DONE: (a) The work to be performed under this contract and in accordance with these specifications and drawings, shall consist of furnishing all labor, tools, materials and apparatus (except that designated to be provided by others), required to install an electro-magnetic striking device which will permit both automatic and manual ringing and/or tolling of the existing bell which is suspended in an open tower atop of Switzler Hall.
(b) The control system is to be installed in a basement janitor supply room beneath the bell tower; the approximate vertical distance from the basement floor level to the bell suspension point is 77 feet. Control cabinet shall be positioned within the room so as to give access to the interior.
(c) Modifications to the existing bell to permit installation of the striking devices, and full installation of the electro-magnetic striker, timer controls and related wiring is to be included by this contractor.
(d) All phases of the installation work shall be performed by competent workmen experienced in this type of work, under the supervision of a factory engineer.
(e) Following completion of the installation, adjusting and testing of the system, the engineer shall demonstrate its proper operation and instruct Owner's representative in its maintenance.
(f) Furnish Owner with printed operating information and repair parts catalog.
4. WORK BY OTHERS: (a) The University will provide electrical current in the room at the base of the tower at a point designated by the installer. One receptacle for 115 volt, 60 cycle, single phase, AC, 5 ampere capacity, and one receptacle for 15 amp. at 220 volt, 60 cycle, single phase AC, will be provided.
(b) Conduit from control room to bell location will be furnished and installed by Owner, for installation of wiring by installing contractor.
5. DESCRIPTION OF OPERATION: (a) The striking mechanism shall be so designed as to give a realistic tone and ample volume, with control to give a "Double beat" to simulate the actual swing of the bell.