

MATERIAL SPECIFICATION
FIRST PRESBYTERIAN CHURCH
JEFFERSON CITY, MISSOURI

1. New choir division eight stop Blackinton-Johnson style electro-pneumatic slider windchest with internal schwimmer for wind regulation and attached tremolo, constructed with procedures for making the use of plastic or foam slider seals unnecessary, pallet and primary pneumatics leathered with skin from the Hair Sheep with a certified chrome content greater than 3.5% assuring a service life of at least fifty years, all electric slider motor's by Taylor or Heuss. The windchest will be built in our shop with layout by Eric Johnson. Enclosed is a drawing of the Blackinton-Johnson electro-pneumatic slider windchest. There is only one pneumatic and primary for each key compared to a standard electro-pneumatic or direct electric windchest where there is a leather pouch or direct electric valve for each pipe. Required organ walkways, ladders for service and new building frames will be provided for the choir division.
2. New electro-pneumatic pouch style windchest for pipes 1-12 of the added 16' Trumpet, pipes 1-12 of the 8' Oboe, and pipes 1-49 of the swell Tierce 1 3/5'.
3. New vertical swell shades will be provided for the choir division of 1 1/2" laminated basswood stock with ball bearings and one half inch thick felt on the edge of the shutters for quiet operation controlled by Peterson sixteen stage all electric swell engines.
4. New solid state Peterson multi-plex relay to control all key and stop functions. All existing Wicks solid-state relays will be replaced. The system includes a transposer and the possibility of adding a MIDI interface with playback sequencer.
5. New Peterson solid-state multi-level 32 memory capture combination action with specified pistons, reversibles, and generals.
6. All new code approved wiring for new windchests and existing chest junctions to de-multiplex board.
7. Provide a new three-manual draw knob Colonial style console with Harris Precision Product all electric draw knob units with stems and heads in Aeolian-Skinner style, Harris Precision Product all electric tilting tablet system for inter manual couplers in Aeolian-Skinner style, manuals from QPO inventory by Organ Supply Industries with bone naturals over wood, ebony sharps, and walnut key checks in late Aeolian-skinner style, new pedal board, new name and indicator plates in Aeolian-Skinner style, all new code approved wiring and fusing, and an adjustable bench. Console will contain portions of the new multi-plex relay and the complete multi-level capture combination action. The console is easily moveable to any location since the multi-plex cable is only 3/8" in diameter and AC cord for the console rectifier and lights of code-approved design would be of similar dimension. Brad McGuffey of our staff who built the console for Central United Church in Jefferson City, Missouri will build the console. The use of the OSI keyboards is cost effective and equals the quality of new construction.

8. Three new fused Astron or SSSL rectifiers for the console, slider motors, and windchest exhaust magnets.
9. New ranks and those from our inventory added to the specification will be provided as specified in the tonal specification. The organ builder will determine Scales, metal composition, and voicing procedures. No pipe smaller than 4' C will have a tin content lower than 40% tin.
10. All existing ranks will be revoiced and rescaled to work with the revised tonal specification and will function as if they were new construction.
11. Provide 220 volt three phase or single phase 2 H.P. Zephyr or Laukhuff electric organ blower for providing the wind requirements of the enlarged tonal specification.
12. Provide new reservoirs for the great, swell, choir and pedal division to replace existing winding system which is not adequate for the new wind requirements.
13. The organ builder will take all material not used from the existing organ as salvage. Allowance has already been made in the quotation for this material.