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The Kilgen Organ Company

Incorporated

Builders

Kilgen Organs

EXECUTIVE OFFICES AND PLANT
4443 COOK AVE.



ST. LOUIS, MO.,

DISTRICT OFFICES
NEW YORK
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CINCINNATI

September 25, 1941.

Dr. Earl E. Harper,
The State University of Iowa,
Iowa City, Iowa.

Re: First Methodist Church,
Iowa City, Iowa

Dear Doctor Harper:

Under separate cover we are sending you two sets of blue prints covering the various details of the new pipe organ for your church.

We believe you will have no difficulty in reading these prints, but we would like to go into a partial explanation.

On Sheet 1 of the prints we show a plan of the Great and Choir Organs and a plan of the Swell Organ. In each division you will note suitable pedal stops have been provided for. On the plans we show the approximate location of the blow pipes, as well as an approximate location for the conduits to be installed for the organ cables. We, of course, understand that the blow pipes are already in and it will only be a question of making the final connections to the various organ reservoirs, and this, of course, cannot be done until the organ has been installed and the work can then be taken care of under the supervision of our expert.

With reference to the conduits for the organ cables. As already stated, we show an approximate location. In other words, they can terminate in the chambers wherever most practicable and with the least amount of work involved in installing the conduits.

Please note that on the Great and Choir Organ plan we show a 1 inch conduit with two No. 6 wires to the blower room. We did not discuss this conduit during our interview last Sunday. This conduit and the

wires are for the low voltage action current, which of course, is supplied by the generator installed by us in the blower room.

With reference to the placement of the various stops. We have located them in such a manner that we are sure the maximum result will be obtained, and you will note that we have placed the Chorus stops as close to the tone opening as possible and we are sure that the arrangement will be very effective.

On Sheet 2 we again show a plan for the Great and Choir chamber and a plan for the Swell chamber, but with the organ parts eliminated, showing only the items to be provided for by the church. We have drawn up this sheet for greater convenience in reading the plan.

We are again showing the blow pipe arrangement, the conduits, size and location of tone openings, electric light switches, and have also indicated construction details for the chamber walls.

The chamber construction we suggest be carried out with 2 x 4 studdings, lath and plaster on the outside, inside first one layer of $\frac{1}{2}$ inch celotex and then hard plaster or 13/16 tongue and groove wood flooring. We believe the latter would be more advantageous and would help to retain the more even temperature which you will readily understand.

On Sheet 2 we also indicate the exact inside dimensions of the organ chambers, and we hope that it will be possible to follow these dimensions accurately in the construction of the chambers.

On Sheet 3 we show sections through A-A and C-C of the Great and Choir Organs, and sections through B-B of the Swell Organ. We also show the stairway with an overhead clearing of 7 ft.

Dr. Earl E. Harper

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Please note that it was necessary to raise the present ceiling 4 ft. 6 in. in order to obtain a total height of 18 ft. It is my understanding that there is ample height available above the present ceiling and the roof construction to permit this height, which, of course, only in the Great and Choir Organ chambers. In the Swell Organ chamber the present ceiling can be retained since there is no double-decking of the manual work in this chamber.

You will note we show as a suggestion the construction of the organ floor consisting of 2 x 8 joists at 14 in. centers, lath and plaster ceiling, floor construction first $\frac{1}{2}$ in. layer of celotex and then regular tongue and groove flooring. If it should be your intention to use a concrete slab, that would be satisfactory, but we would suggest a wood floor over the concrete.

With reference to the weights. We estimate a load total for the Great and Choir Organs at approximately 7500 pounds. For the Swell Organ 4000 pounds. The loads are fairly equally distributed over the entire floor surface.

On Sheet 4 we show elevation and plan of the blower and the equalizing reservoir.

With the exception of providing the concrete slab for the blower, all the rest of the work can only be done after the blower has been installed, and our expert, of course, will be there and ready to assist in every possible way.

We trust that the arrangement will meet with your approval, and if you find everything satisfactory and the space arrangement can be carried out, as shown on our prints, we would like to have you O.K. one set and return to us, keeping the other for your files.

The writer wishes to thank you very kindly for your cooperation and courtesies extended last Sunday, and also please remember me to Mr. McLeod.

Sincerely yours,

THE KILGEN ORGAN COMPANY

By: *Max Hess*
Chief Engineer.

MH:CKN
S. C.