

SPECIFICATION No. 216-62-21DATE May 6, 1963DESIGNED FOR CHRIST THE KING LUTHERAN CHURCH,SOUTHGATE, Michigan.

COMPASS OF MANUALS

CC TO C 61 KEYS

COMPASS OF PEDAL

CCC TO G 32 KEYS

FEET

PIPES

- GREAT ORGAN -

1. Principal	8	61
2. Rohrflöte	8	61
3. Oktav	4	61
4. Spitzflöte	4	61
5. Blockflöte	2	61
6. Mixtur IV	1 1/3	244
Chimes (prepared for)		

- SWELL ORGAN -

7. Salicional	8	61
8. Gedackt	8	61
9. Koppelflöte	4	61
10. Principal	2	61
11. Zimbel III	1/2	183
12. Trompete	8	61
Tremulant		
Swell 16'		
Swell 4'		

- PEDAL ORGAN -

13. Bordun	16	32
14. Spitzprincipal	8	32
15. Nachthorn	4	32
16. Fagott 1/2	16	32

- COUPLERS -

Great to Pedal	8'
Swell to Pedal	8'
Swell to Pedal	4'
Swell to Great	16'
Swell to Great	8'
Swell to Great	4'

Vraie copie donnée à M. Philpott le 30 mai 1963

- COMBINATION PISTONS - (hold-set type)

1,2,3 Great
1,2,3 Swell
1,2,3 Pedal
1,2,3 Generals

General Cancel

- REVERSIBLE PISTONS -

Great to Pedal
Full Organ

- BALANCED PEDALS -

Crescendo on all stops and couplers
Swell expression

- INDICATOR LIGHTS -

Crescendo (dial)
Wind
Crescendo

The organ to be of one unit in the center of the gallery.

The action to be electro-pneumatic with all-electric console; the stops and couplers to be drawn by tablets placed above the upper key-board. Console to be provided with a lock-switch for the blower starter.

The Builder to supply a suitable blower and motor of ample capacity; the switches and wiring to and from the motor to be at the charge of the purchasers, but remote stop-start button in the console to be provided by the Builder.

Great and Pedal to be exposed as shown on our drawing No. D-3529-B and suitable woodwork in oak to cover the chest to be supplied by the Builder.

DESCRIPTION OF THE CONSTRUCTION AND OF SOME OF THE SPECIAL DEVICES

This *Casavant organ* will be designed and built in the Builder's own factory. The different parts will be disposed in such manner as to assure free egress of tone, and easy access for regulating and tuning. The materials used in the construction will be of the very best quality. All lumber will be carefully seasoned, dried and stress-relieved in the Builder's automatic dry kilns in the most modern and scientific manner and finished with one coat of sealer and one coat of hot-spray lacquer.

The *building frame* will be made of selected material having ample strength to support all the organ parts and pipes, and strengthened with cross bars to assure the utmost rigidity.

Wind regulators ("schwimmers") and *wind reservoirs* of ample size to supply fullest legitimate demand will be used. The reservoirs will be of the singlefold type, stoutly framed and double leath-ered. Wind pressures will be obtained by springs and (if necessary) by weights suspended on the interior of the reservoir. Concussions will also be placed wherever necessary.

The *chests* will be of the original *Casavant* design with a valve for each pipe except mixtures and of the improved "pitman" type stop action. All pouches will be made of high grade lambskin with valves easily accessible for adjustment and repair. Ample speaking room for the pipes will be provided. All channelling and boring will be scientifically accurate to insure both an abundance of wind to each pipe and instantaneous response.

The *expression boxes* will be glued-up stock (not panelled) and the shutters insulated against sound, held in the frame by pin bearings, felt bushed to prevent squeaking. One edge of each shutter will be felted to insure effective expression.

The *console* will be constructed with the greatest care and all parts of the mechanism will be designed so as to be easily accessible for regulating. All moving parts will be well bushed with felt. All manual keyboards will be equipped with improved "tracker touch" (patented by *Casavant* in 1905). Both manual and pedal contacts will be of the roller contact type. Both vertical and horizontal con-tacts will be of heavy gauge sterling silver with ample contact pressure to reduce resistance at the joint. A *Casavant* pioneered device will insure that, when the vertical contact meets the roller, it is wiped clean before the horizontal contact on the roller meets it, and assures proper contact even while a chord is being played. All measurements and layout of the console will be in accordance with the recommendations of the American Guild of Organists. Pedalboard will be concave and radiating and may be either the original *Casavant* design or the measurement recommended by the American Guild of Organists. All manual keys will be covered in 8-cut plate ivory, with bevelled edges. The pedal naturals will be of solid first quality maple, and the sharps of black plastic.

The *action* will be electro-pneumatic. The electro magnets will be of the two-pole horse shoe type.

The *adjustable combination* action on all drawknob consoles will be the original *Casavant* patented "capture type" which visibly affects the draw stops or tablets.

The *metal pipes* unless otherwise noted will be made from an alloy of tin and lead, called "spotted metal". The mouths and tuning pieces of all zinc pipes will also be made of "spotted metal". Pipes in zinc will not extend further up the compass of any stop than Tenor C (i.e. approx-imately 4 feet in length) and will be of such *gauge* and weight as to prevent imperfect tone. All pipes of normally open registers will be full length and not capped in the bass, unless otherwise noted. All zinc pipes will be washed in a special preparation and given a coat of metal lacquer to protect them from oxidation.

The *wood pipes* will be made of the highest quality of lumber, glue-sized inside and lacquered to protect them against moisture. All pipe feet of less than $\frac{3}{4}$ " bore will have metal toes, and all pipes having feet larger than $\frac{3}{4}$ " bore will be fitted with special wind regulators.

The pipes will be voiced with great care by voicers of long experience who will give each stop its own individual character, and at the same time assure that it contributes to a well balanced ensemble.

The organ will be completely assembled in the Builder's factory, and every portion will be carefully inspected for possible defects by men who are specialists in their line of work. The instrument will be playable and may be heard by the purchaser before being taken down for shipment.