

10/19/53

Specifications and list of parts needed for the St. Paul's Methodist Church, Cedar Rapids, Iowa, rebuild

2/34

Three Manual & Pedal

Registration
Console Case

Controlled by Draw Knobs
To be Oak style of panel
will be given just as soon as
I can get the decision of the board.

Great Organ "

- | | | | | |
|-----|--------|-------------------|------------|--|
| 1. | 16 ft. | Open Diapason | 61 pipes. | These to be <u>new pipes</u> placed on the present Bourdon chest scale to be 36 as you suggest in your letter. |
| 2. | 8 ft. | 1st Open Diapason | 61 pipes. | |
| 3. | 8 ft. | 2nd Open Diapason | 61 pipes. | New pipes to be furnished by you. placed on new unit chest also by you. |
| 4. | 8 ft. | Dopple Flute | 61 pipes. | |
| 5. | 8 ft. | Gemshorn | 61 pipes. | |
| 6. | 4 ft. | Octave | 61 pipes. | |
| 7. | 4 ft. | Harmonic Flute | 61 pipes. | |
| 8. | 2 rk. | Grave Mixture | 122 pipes. | New pipes by you. Placed on present Trumpet chest. We to make groove board to fit the present chest top. |
| 9. | 8 ft. | Trumpet | 73 pipes. | The trumpet to be revoived by you and extended to 73 pipes. |
| 10. | 4 ft. | Clarion | 61 notes. | From Trumpet. |
| 11. | | Chimes | 25 notes | Preparation and contacts in console wired to junction. |

Couplers to Great:

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|-----|------------------|--------|
| 12. | Swell to Great | 16 ft. |
| 13. | Swell to Great | 8 ft. |
| 14. | Swell to Great | 4 ft. |
| 15. | Choir to Great | 16 ft. |
| 16. | Choir to Great | 8 ft. |
| 17. | Choir to Great | 4 ft. |
| 18. | Great to Great | 16 ft. |
| 19. | Great to Great | 4 ft. |
| 20. | Great Unison Off | |

In this new set up we will have two unit sets in the great organ they being the new 8' Diapason and the Trumpet. This is all of the unit stops except for the 16 ft. Diapason which will be set on the present 16' Bourdon chest and will play on the pedal at one pitch 16'. The old manual Bourdon will play only on the pedal as shown in the specifications. What we would like to know is this; can the unit stops of the great be made to couple to the pedal by wiring in the console so that we can omit a relay in the great organ. It seems to me that they can be so made. Will you figure it this way please.

Louis Sullivan

1977 Sep 24
AU 4.487 194

Swell Organ 12

21.	16 ft.	Gedeckt	73 pipes.	The swell organ will remain as is except for the two sets of reeds which are to be revoiced.
22.	8 ft.	Open Diapason	73 "	
23.	8 ft.	Rohr Flute	73 "	
24.	8 ft.	Viole d'Orchestra	73 "	
25.	8 ft.	Voix Celeste	61 pipes.	
26.	8'	Echo Salicional	73 pipes.	
27.	4 ft.	Flute Traverso	73 pipes.	
28.	4 ft.	Violina	73 pipes.	
29.	2 ft.	Flageolet	61 pipes.	
30.	8 ft.	Harmonic Tuba	73 pipes.	To be revoiced to a brighter more trumpet like tone. Pipes are rather small scale so they should come brighter.
31.	8 ft.	Oboe	73 pipes.	Revoiced.
32.	8 ft.	Vox Humana	61 pipes.	We will clean and regulate old pipes.
33.		Tremolo		

Couplers to swell:

34.	Choir to Swell	16 ft.
35.	Choir to Swell	8 ft.
36.	Choir to Swell	4 ft.
37.	Swell to Swell	16 ft.
38.	Swell to Swell	4 ft.
39.	Swell Unison Off.	

Choir Organ 10

40.	8 ft.	Violin Cello	73 pipes.	The main part of the choir to remain as is using the old chests. To this we will add a new chest as shown.
41.	8 ft.	Viola	73 pipes.	
42.	8 ft.	Hohl Floete	73 pipes.	
43.	8 ft.	Dulciana	73 pipes.	
44.	8 ft.	Unda Maris	61 pipes.	
45.	4 ft.	Flute d'Amour	73 pipes.	
46.	2-2/3 ft.	Nazard	61 pipes.	New pipes and chest to be furnished by you.
47.	2 ft.	Block Floete	61 pipes.	"
48.	1-3/5 ft.	Tierce	61 pipes.	"
49.	8 ft.	Clarinet	73 pipes.	Old pipes to be cleaned and regulated by us.
50.		Tremolo		
51.		Chimes	25 notes	Preparation and contacts in console wired to junction.

Couplers to Choir:

- | | | |
|-----|-------------------|--------|
| 52. | Swell to Choir | 16 ft. |
| 53. | Swell to Choir | 8 ft. |
| 54. | Swell to Choir | 4 ft. |
| 55. | Choir to Choir | 16 ft. |
| 56. | Choir to Choir | 4 ft. |
| 57. | Choir Unison Off. | |

This new three stop chest which is to be added to the choir organ is to be complete with primary and with new pipes racked on the chest. This will be connected to the choir main cable with a cutout switch which we will make here.

Perhaps you will wonder why we have not included a tremolo on the great but only on the swell and choir organs. This is simply because of the Austin chests and it is impossible to use anything but a fan tremolo on them we do not want to build a fan tremolo for the great.

Pedal Organ 2

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|-----|--------|--------------------------|-----------|---|
| 58. | 16 ft. | Double Open Diapason | 44 pipes. | |
| 59. | 16 ft. | Bourdon | 56 pipes. | Old great Bourdon pipes to be placed on a new chest which we will build and they will play on the pedal organ only at the pitches shown. |
| 60. | 16 ft. | Open Diapason(From # 1) | 32 notes | |
| 61. | 16 ft. | Gedeckt | 32 notes | From Swell will need contacts in console pedal action. |
| 62. | 8 ft. | Octave | 32 notes. | From # 58. |
| 63. | 8 ft. | Bourdon | 32 notes | From # 59. |
| 64. | 4 ft. | Flute | 32 notes. | From # 59. |
| 65. | 16 ft. | Trumpet | 12 pipes. | The low twelve pipes are to be furnished by you They will be placed on a chest we will build into the empty space on the present pedal chest. We will use the Austin units for this octave as the space for them was provided when organ was built. Upper notes to come |
| 66. | 8 ft. | Clarion (From # 9) | 32 notes. | from great Trumpet. |

Couplers to Pedal:

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|-----|----------------|-------|
| 67. | Great to Pedal | 8 ft. |
| 68. | Swell to Pedal | 8 ft. |
| 69. | Swell to Pedal | 4 ft. |
| 70. | Choir to Pedal | 8 ft. |

Pedal Movements

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|-----|---|--------------|
| 71. | Balanced Expression pedal for Swell organ | 12 contacts. |
| 72. | Balanced Expression pedal for Choir organ | 12 contacts. |
| 73. | Crescendo Pedal. | |

Adjustable Combinations

Operated by Pistons under their respective Manual Adjustable at keyboard and visibly affecting Stops.

- 74 - 79. Six, Acting on Swell Stops and swell intra-manual couplers.
- 80 - 85. Six, Acting on Choir Stops and choir intra-manual couplers.
- 86 - 91. Six, Acting on Great Stops and great intra-manual couplers.
- 92 - 97. Six, acting on Pedal Stops.
- 98 -103. Six, Generals acting on all stops and couplers.
- 104. General Cancel Piston under great manual.
- 105. General Cancel Piston duplicated on Pedal toe stud.
- 106-111. Six General Pistons duplicated on Toe Studs.

Piston Couplers

- 112. Pedal combinations to Swell Combinations On - Off.
- 113. Pedal combinations to Great Combinations On - Off.
- 114. Pedal combinations to Choir combinations On - Off.

O.K. The stops and intra-manual couplers to be Draw Knobs mounted on side jambs. The inter manual couplers to be tilting tablets mounted above the swell manual. Only the general pistons are to affect the intermanual couplers. This I believe is your regular style of building this type console.

Accessories

- 115. Great to Pedal Reversible
- 116. Sfortzando reversible
- 117. Crescendo Indicator.
- 118. Sfortzando indicator.
- 119. Music rack. This is to be open with very small wooden pieces.
- 120. Concave radiating pedal keyboard.
- 121. Organ Bench
- 122. Fluorescent Light
- 123. Action current power unit is a question. They have a generator 20 ampere at 10 volts. I doubt if this will handle the job with the new all electric console. What is your suggestions.

124. ^{61 note} Relay for Great Unit Stops.
8' Diap ^{2nd} # 3
8' Trumpet # 9
4' Clarinet # 10

In making up this specification I have made notes on the right side and they should be clear as to what we want. I will list as follows the new parts.

The new console you can get from the specifications. I hope that it can be built so that the unit stops of the great can be coupled to the pedal without the use of a relay in the great. I feel that this will be less costly than a relay. The panels of the console will, I think, be square but I am not sure on that point yet. We will also need new cables for this job but that will have to be decided much later on, or just before the parts are shipped. They do not know yet where they will place the console in the church.

- ✓ 16' Geigen Diapason 61 pipes 36 scale.
- ✓ 8' 2nd Open Diapason 61 pipes 44 scale
- ✓ 2 rk. Grave Mixture 12th & 15th 122 pipes
- ✓ 16' Trumpet 12 pipes 6 $\frac{1}{2}$ " scale at CCC
- ✓ 2-2/3' Nasard 61 pipes
- ✓ 2' Block Floete 61 pipes.
- ✓ 1 3/5' Tierce 61 pipes.
- ✓ Revoice present Trumpet 8' and extend to 73 pipes. This also will match in with the 16' Trumpet you are to build.
- ✓ Revoice Swell 8' Tuba
- ✓ " " 8' Oboe

yes ✓ In the great we will need a two stop unit chest for the 8' 2nd Open Diapason 61 notes and the 8' Trumpet 73 notes. This chest can be in one unit, which should be cheaper than two separate chests. It will be installed above the choir expression chamber. We will have just eight feet ceiling height. We will have to have just enough room under the chest to get at the action so you will have to miter the pipes so that they will fit. If you think best we can offset the low six of the Diapason and we will build a chest for that purpose. The Trumpet will miter OK I should think.

In the choir we will need a three stop straight chest for the three new stops that will be complete with primary. The chest to be built so that when you face the chest the primary will be in the front, or next to you, and the low C will be to your right. Hope that is clear.

I will be in Cedar Rapids within the next three or four weeks and will get the wind pressure and settle the console panel design and the color sample for the console at that time.

We will want delivery on these parts about May 1st 1954 for we have promised completion by June 1, 1954. I hope you can make it by then.

We can take out the reeds which are to be revoiced and send them along to the factory with Howard when he delivers the Central Park Presbyterian organ in the spring. That should give you time enough on the revoicing. We hope that all of this material can be delivered by your truck when the time comes.