

M. P. MÖLLER Organ Factory

Pipe Organ No. 5383 Date _____
 For _____
 Action Church of Holy Communion, South Orange, N. J.
 Console _____
 Casing No. Electric Finish _____
 Decorations _____ Motor Electric
 Width of Key-bed _____ Stop Controls _____
 No. Manuals _____ Wind Pressure See specification
 To be completed Four Blower pipe furnished by Church
Dec. 20, 1928

SPECIFICATIONS

REVISÉD SPECIFICATION A-435
 VANSTON MEMORIAL ORGAN
 NOV. 1, 1928

NOTICE

EVERY MAN WHO HAS TO DO WITH THIS ORGAN IS HEREBY NOTIFIED TO READ THE ENTIRE SPECIFICATION THROUGH-OUT BEFORE UNDERTAKING THE OPERATION HE IS TO DO. THERE ARE LOTS OF SPECIAL PREPARATIONS AND APPLI-ANCES AFFECTING EACH DEPARTMENT, WHICH MUST BE CHECKED BEFORE WORK IS BEGUN. EVERY FOREMAN IS REQUIRED TO CHECK THROUGH FOR HIS OWN PARTICULAR WORK TO SEE THAT NOTHING IS OVERLOOKED. IF ANY POINTS ARE NOT UNDERSTOOD, GET FURTHER INFORMA-TION FROM THE OFFICE.

GREAT ORGAN (*Bottom Manual*)

(I Enclosed in Great Chamber, on 5" wind.)
 (Excepting * 3-3/4" wind.)

1	16'	*DIAPASON..(1-44 unit).....wood & metal..		
		(Basses on 5" to 7" wind).....	73	Pipes
2	16'	Harmonic Flute.....T.C.....From #7.....	61	Notes
3	16'	Magic Flute.....T.C.....From #8.....	61	W
4	8'	*DIAPASON MAJOR.....metal.....	61	Pipes
5	8'	*Diapason Minor.....From #1.....	61	Notes
6	8'	*Principal.From #1..(1-12). " #11..(13-61)	61	"
7	8'	HARMONIC FLUTE..(1-32 unit).....metal.....	73	Pipes
8	8'	MAGIC FLUTE.....wood & metal.....		
		Stopped Harmonic - unit.....	85	Pipes
9	5-1/3'	Quint.....From #154.....	61	Notes
10	5-1/3'	Magic Flute Quint.....From #8.....	61	"
11	4'	*OCTAVE MAJOR.....metal.....	61	Pipes
12	4'	Octave Minor.....From #154.....	61	Notes
13	4'	HARMONIC FLUTE..(1-32 unit).....metal.....	73	Pipes
14	4'	Magic Flute.....From #8.....	61	Notes
15	3-1/5'	Tenth.....From #153.....	61	"
16	2-2/3'	Twelfth.....From #156.....	61	"
17	2-2/3'	Magic Flute Nazard.....From #8.....	61	"
18	2'	Fifteenth.....From #156.....	61	"
19	2'	Harmonic Piccolo.....From #13.....	61	"
20	2'	Magic Piccolo.....From #8.....	61	"
21	1-3/5'	Seventeenth.....From #153.....	61	"
22	1-1/3'	NINETEENTH.....metal.....	66	Pipes
23	1'	Twenty-Second.....From #22.....	61	Notes
24	16'	Clarinet.....T.C.....From #25.....	61	"
25	8'	CLARINET.....reed.....	73	Pipes
26	8'	MUSETTE.....reed.....	73	"
27	4'	Musette.....From #26.....	61	Notes
A	8'	HARP.....(Large scale).....	73	Bars
	4'	From #44.....	61	Notes

(II. Enclosed in Choir Chamber)

28	16'	Gemshorn.....	From #75.....	73	Notes
29	8'	Gemshorn.....	" 75.....	73	"
30	5-1/3'	Gemshorn.....	" 75.....	73	"
31	2-2/3'	Gemshorn.....	" 75.....	66	"
32	8'	Tromba.....	" 162.....	61	"
33	8'	French Horn.....	" 120.....	73	"
34	4'	Octave Tromba.....	" 162.....	61	"
C	8'	Celesta.....T.C....	" "H".....	49	"
D	4'	Celesta.....	" "H".....	61	"
E	4'	Chimes...(EE-g/1)...	" "M".....	28	"

SWELL ORGAN

(I. Enclosed in Swell Chamber on 5" wind)

35	16'	DULCE BOURDON..(1-44 unit)...	wood.....	80	Pipes
36	16'	Quintadena.....T.C..	From #41.....	61	Notes
37	16'	Viole Da Gamba..T.C.."	42.....	61	"
38	8'	STENTHORN.....	metal.....	73	Pipes
39	8'	STOPPED DIAPASON.....	wood.....	73	"
40	8'	Forest Flute..T.C..	From #51.....	61	Notes
41	8'	QUINTADENA.....	metal.....	73	Pipes
42	8'	VIOLA DA GAMBA.....	metal.....	73	"
43	8'	ORCHESTRAL VIOL.....	metal.....	73	"
44	8'	ORCHESTRAL VIOL CELESTE (Sharp)	metal.....	73	"
45	8'	SALICIONAL.....	metal.....	73	"
46	8'	SALICIONAL CELESTE..(Flat)...	metal.....	73	"
47	5-1/3'	Bourdon Quint.....	From #35.....	61	Notes
48	5-1/3'	Salicional Quint...	" 45.....	66	"
49	4'	Stenthorn.....	" 38.....	61	"
50	4'	OCTAVE.....	metal.....	73	Pipes
51	4'	FOREST FLUTE.....	wood.....	73	"
52	4'	Orchestral Viol....	From #43.....	61	Notes
53	4'	Orchestral Viol Celeste..	From #44.....	61	"
54	4'	VIOLIN.....	metal.....	73	Pipes
55	3-1/5'	Salicional Tenth....	From #46.....	61	Notes
56	2-2/3'	Stopped Diapason Twelfth..	From #39..		
		(1-54); From #170 (55-61).....		61	"
57	2-2/3'	Viol Twelfth.....	From #54.....	66	"
58	2'	Super-Octave.....	" 50.....	61	"
59	16'	Dulzian.....	" 170.....	73	"
60	8'	CORNOPEAN.....	reed.....	73	Pipes
61	8'	Dulzian-Oboe.....	From #170.....	73	Notes
62	5-1/3'	Oboe Quint.....	" 170.....	73	"
63	4'	Cornopean.....	" 60.....	61	"
64	4'	Oboe Octave.....	" 170.....	73	"
		Tremulant			

(II. Enclosed in Great Chamber)

65	8'	Magic Flute.....	From #8.....	73	Notes
66	4'	Magic Flute.....	" 8.....	73	"
67	2-2/3'	Magic Flute Nazard.	" 8.....	66	"
68	2'	Magic Piccolo.....	" 8.....	61	"

(III. Enclosed in Choir Chamber)

69	16'	Gemshorn.....	From #75.....	73	Notes
70	8'	Gemshorn.....	" 75.....	73	"
71	5-1/3'	Gemshorn Quint....	" 75.....	73	"
72	4'	Gemshorn Octave..	" 75.....	73	"
73	2-2/3'	Gemshorn Twelfth..	" 75.....	66	"
74	8'	Vox Soprano.....	" 137.....	73	"
F	4'	Chimes (EE-g/1)...	" "E" wires 2-5632	28	"

CHOIR ORGAN

(I. Enclosed in Choir Chamber on 5" wind)

75	16'	GEMSHORN....(unit).....	wood & metal..	97	Pipes
76	16'	Muted Gemshorn..T.C...	From #82.....	61	Notes
77	8'	OLD ENGLISH DIAPASON.....	metal.....	73	Pipes
78	8'	CLARABELLA.....	wood.....	73	"
79	8'	Harmonic Flute..T.C...	From #88.....	61	Notes
80	8'	Gemshorn.....	" 75.....	73	"
81	8'	Gemshorn Celeste..T.C..	" 90.....	61	"
82	8'	MUTED GEMSHORN..(Unit)...	metal.....	97	Pipes
83	8'	UNDA MARIS.....	metal.....		
		(Muted Gemshorn).T;C.(Flat).....		65	Pipes
84	8'	UNDA MARIS.....	metal.....		
		(Muted Gemshorn).....(Sharp).....		73	Pipes
85	5-1/3'	Gemshorn Quint.....	From #75.....	73	Notes
86	5-1/3'	Muted Gemshorn Quint..	" 82.....	73	"
87	4'	Old English Octave.....	" 77.....	61	"
88	4'	HARMONIC FLUTE.....	metal.....	73	Pipes
89	4'	Gemshorn Octave.....	From #75.....	73	Notes
90	4'	GEMSHORN CELESTE.....	metal.....	61	Pipes
91	4'	Muted Gemshorn Octave..	From #82.....	73	Notes
92	3-1/5'	Muted Gemshorn Tenth..	" 83.....	61	"
93	2-2/3'	Gemshorn Twelfth.....	" 75.....	66	"
94	2-2/3'	Muted Gemshorn Twelfth..	" 82.....	66	"
95	2'	Gemshorn Fifteenth.....	" 75.....	61	"
96	2'	Muted Gemshorn Fifteenth..	" 82.....	61	"
97	1-1/3'	Muted Gemshorn Nineteenth..	" 82.....	61	"
98	1'	Muted Gemshorn Twenty-Second..	From #82.....	61	"
99	8'	Tromba.....	From #162.....	73	"
100	8'	ENGLISH HORN.....	reed.....	73	Pipes
101	8'	ORCHESTRAL OBOE.....	reed.....	73	"
G	8'	Celesta.....T.C.....	From "H"..(#13-73)	61	Notes
H	4'	CELESTA.....		61	Bars
		Tremulant			

(II. ENCLOSED IN GREAT CHAMBER)

102	16'	Magic Flute.....T.C...	From #8.....	61	Notes
103	8'	Magic Flute.....	" 8.....	73	"
104	5-1/3'	Magic Flute Quint.....	" 8.....	73	"
105	4'	Magic Flute.....	" 8.....	73	"
106	2-2/3'	Magic Flute Nazard.....	" 8.....	66	"
107	2'	Magic Piccolo.....	" 8.....	61	"
I	8'	Harp.....	" "A".....	73	"
J	4'	Harp.....	" "A".....	61	"

(III. Enclosed in Swell Chamber)

108	16'	Dulzian.....	From #170.....	73	Notes
109	8'	Dulzian-Oboe.....	" 170.....	73	"
110	4'	Oboe Octave.....	" 170.....	73	"

SOLO ORGAN

(I. Enclosed in Choir Chamber. *10" Wind)

111	16'	Gemshorn.....	From #75.....	61	Notes
112	8'	Clarabella.....	" 78.....	61	"
113	8'	Gemshorn.....	" 75.....	61	"
114	8'	Muted Gemshorn.....	" 82.....	61	"
115	8'	Unda Maris.....	" 84.....	61	"
116	16'	*Trombone...Drom #162(1-12); fr. #118(13-61).....	61	"	
117	8'	*Tromba.....	From #162.....	73	"
118	8'	*TROMBONE.....	Reed.....	73	Pipes
119	8'	*Trumpet....T.C.....	From #123.....	49	Notes
120	8'	*FRENCH HORN.....	Reed.....	73	Pipes
121	8'	English Horn.....	From #100.....	61	Notes
122	8'	Orchestral Oboe.....	" 101.....	61	"
123	4'	*CLARION.....	Reed.....	61	Pipes
K	8'	Celesta.....T.C.....	From "H".....	49	Notes
L	4'	Celesta.....	" "H".....	61	"
M	4'	CHIMES.....	Wired 2.....5 to 32	28	Tubes
		Tremulant for 10" Wind.			

(II. Enclosed in Great Chamber.)

124	8'	Magic Flute.....	From #8.....	61	Notes
124½	5-1/3'	Magic Flute Quint.....	" 8.....	61	"
125	4'	Magic Flute.....	" 8.....	61	"
126	2-2/3'	Magic Flute Nazard.....	" 8.....	61	"
127	2'	Magic Piccolo.....	" 8.....	61	"
T	8'	Harp.....	" "A".....	61	"
O	4'	Harp.....	" "A".....	61	"

(III. Enclosed in Swell Chamber.)

128	16'	Dulzian.....	From #170.....	61	Notes
129	8'	Dulzian-Oboe.....	" 170.....	61	"

CELESTIAL ORGAN

(Enclosed in Choir Chamber with separate shades inside Choir which may remain closed, may remain open, or may move simultaneously with Choir shades. Playable on Choir and Solo Manual Claviers.) 3-3/4" Wind.
(Only one set of Stop controls)

130	16'	Flauto Camino.....T.C.....	From #131.....	61	Notes
131	8'	FLAUTO CAMINO.....	Stopped metal, Chimney.....	73	Pipes
132	8'	Flauto Angelico.....T.C.....	From #134.....	61	Notes
133	4'	FLAUTO D'AMORE.....	Stopped wood.....	73	Pipes
134	4'	FLAUTO ANGELICO.....	Stopped Wood, flat.....	73	"
135	2'	Flauto D'Amore.....	From #133.....	61	Notes
136	16'	Kinura.....T.C.....	" 138.....	61	"
137	16'	VOX BARITONE.....	Reed, Vox Humana, small scale.....	97	Pipes
138	8'	KINURA.....	Reed, (very soft).....	73	"
139	8'	VOX CONTRALTO.....	Reed, Vox Humana.....	73	"
140	8'	Vox Soprano.....	From #137.....	73	Notes
141	5-1/3'	Vox Humana Quint.....	" 137.....	73	"
142	4'	Octave Vox Contralto.....	" 139.....	61	"
143	4'	Octave Vox Soprano.....	" 137.....	73	"
144	2-2/3'	Vox Humana Nasard.....	" 137.....	66	"
145	2'	Vox Angelica.....	" 137.....	61	"
		Tremulant			

PEDAL ORGAN

(I. Enclosed in Great Chamber, on 5" wind.)

146	16'	DIAPASON...(May require 7" wind).....wood.....44 Pipes
147	16'	Violone.....From #1.....32 Notes
148	10-2/3'	Quint.....From #1..(1-12)
		From #154..(13-32).....32 Notes
149	8'	Octave.....From #146.....32 "
150	8'	Diapason.....From #1.....32 "
151	8'	Harmonic Flute.....From #7.....32 "
152	8'	Magic Flute.....From #8.....32 "
153	6-2/5'	TENTH.....metal.....85 Pipes
154	5-1/3'	TWELFTH.....metal.....66 "
155	5-1/3'	Magic Flute Nazard.....From #8.....32 Notes
156	4'	FI FIFTEENTH.....metal.....73 Pipes
157	4'	Harmonic Flute.....From #13.....32 Notes
158	4'	Magic Flute.....From #8.....32 "

(II. Enclosed in Choir Chamber, on 10" wind)

159	16'	Gemshorn.....From #75.....32 Notes
160	10-2/3'	Gemshorn Quint.....From #75.....32 "
161	8'	Gemshorn.....From #75.....32 "
162	32'	CONTRA TROMBONE...(Unit).....reed.....97 Pipes
163	16'	Trombone.....From #162.....32 Notes
164	16'	Vox Baritone.....From #137.....32 "
165	8'	Trombone.....From #162.....32 "
166	4'	Clarion.....From #162.....32 "
P	4'	Chimes.....From "M".....28 "
Q	2'	Octave Chimes.....From "M".....16 "

(III. Enclosed in Swell Chamber)

167	16'	Dulce Bourdon.....From #35.....32 Notes
168	10-2/3'	Bourdon Quint.....From #35.....32 "
169	8'	Dulce Bourdon.....From #35.....32 "
170	32'	CONTRA DULZIAN.....(Unit) (Lower 24 pipes on 10" wind, balance on 5" wind.....reed.....109 Pipes
171	21-1/3'	Dulzian Sub Quint.....From #170.....32 Notes
172	16'	Dulzian.....From #170.....32 "
173	10-2/3'	Dulzian Quint.....From #170.....32 "

GREAT		
1	Choir to Great 16'	25
2	Choir to Great 8'	26
3	Choir to Great 4'	27
4	Swell to Great 16'	28
5	Swell to Great 8'	29
6	Swell to Great 4'	30
7	Solo to Great 16'	31
8	Solo to Great 8'	32
9	Solo to Great 4'	33
10	*Great 16'	34
11	*Great 4'	
12	Pedal to Great, No. 1-13 only	35
13	Great Unison Separation	36
CHOIR		
14	Great to Choir 8'	37
15	Swell to Choir 16'	38
16	Swell to Choir 8'	39
17	Swell to Choir 4'	40
18	Solo to Choir 8'	41
19	Celestial to Choir 16'	42
20	Celestial to Choir 4'	43
21	Choir 16'	44
22	Choir 4'	45
23	Celestial to Choir 8'	46
24	Choir Unison Separation	47
	<i>Swell to Solo</i>	

SWELL	
Great to Swell 8'	
Choir to Swell 16'	
Choir to Swell 8'	
Choir to Swell 4'	
Solo to Swell 8'	
Celestial to Swell 8'	
Swell 16'	
Swell 4'	
Swell Unison Separation	
Solo Unison Separation	
SOLO	
Choir to Solo 8'	
Celestial to Solo 16'	
Celestial to Solo 8'	
Celestial to Solo 4'	
PEDAL	
Great to Pedal 8'	
Great to Pedal 4'	
Choir to Pedal 8'	
Choir to Pedal 4'	
Swell to Pedal 8'	
Swell to Pedal 4'	
Solo to Pedal 8'	
Solo to Pedal 4'	
*Pedal 8' (Octave)	
<i>Celestial to Pedal</i>	

(*Notes: The following stops are not to be affected by Gt. 16' & 4' couplers: Nos. 1,4,5,6,11,32,34. Ped. 8' not to affect couplers)

ADJUSTABLE COMBINATIONS

- *Pistons No. 1-2-3-4-5-6 - 0: Great & Pedal Stops and Couplers; 7-8: Great only.
- *Pistons No. 1-2-3-4-5-6 - 0: Choir & Pedal Stops and Couplers; 7-8: Choir only.
- *Pistons No. 1-2-3-4-5-6 - 0: Swell & Pedal Stops and Couplers; 7-8: Swell only.
- *Pistons No. 1-2-3-4-5-6 - 0: Solo & Pedal Stops and Couplers:
- *Pistons No. 1-2-3-4-5-6 - 0: Celestial & Pedal Stops and Couplers:
- Pistons No. 1-2-3-4-5 - 0: Pedal Stops and Couplers
- Pistons No. 1-2-3-4-5-6-7-8 - 00: Tutti (All Stops and Couplers)

(*Note: The Manual Division pistons, Nos. 1 to 6 and 0, shall operate as follows: 1st touch, the respective manual stops and couplers only, 2nd touch, Pedal stops and couplers.) The combinations shall be remotely located (not in console), of the single setter type, and everything possible shall be done to make them quiet in operation.

ACCESSORIES

PEDALS:
 Great Expression.
 Choir "
 Swell "
 Grand Crescendo, Adjustable.
 Strings " "

COMBINATION COUPLERS (1st touch only.)
 Solo Comb. to Great Pistons
 Celestial Comb. to Choir Pistons
 Celestial Comb. to Solo Pistons

- REVERSIBLES (Acting Visibly)**
- 1 Great to Pedal
 - 2 Choir to Pedal
 - 3 Swell to Pedal
 - 4 Solo to Pedal
 - 5 Pedal 8' (Octave)
 - 6 Solo to Great
 - 7 Celestial to Choir
 - 8 Choir: 8' Tromba
 - 9 Pedal: 32' Contra Trombone
 - 10 Pedal: 32' Contra Dulzian
 - 11 Swell: Tremolant
 - 12 Solo: Unison Separation
 - 13 Great 8' & 4' Trombas
 - 14 Great 16' & 4' Couplers
 - 15 Solo to Great 16' & 4' couplers

*Pedal to Great Special Reversible
 to work the stop key on the Great Organ
 not to have a light indicator.

ACCESSORIES (Cont'd.)

REVERSIBLES: Invisible, with
light indicators.

Sforzando (with limited number of contacts.)

All Tremolants

Pedal to Great Special (10 registers). Stops #146-147-148-162-163-167-170-171-172 and 173 to play on Great Organ, notes #1 to 13.

This will take ten additional switches in the Great Organ. When this reversible piston is first operated, no change will be made in the present registration, but there will be added to the registration of the Great Organ notes #1 to 13 inclusive, these ten stops electrically through switches, moving no stop controls, but showing a light when on. The second touch of the Piston will cancel the ten switches. This is not to affect any previous registration, but merely adds to the bass of the Great, playing not only the lowest note, but also to play in full chords.

Diapason Cutout. Affects stops #1 - 4 - 5 - 6 - 11 - 12 (screw contact) 38 - ~~49~~ - 77 - 87 - 146 - 147 - 149 - 150 (Screw contacts for ~~X~~ the last 4) thru the entire compass of the stops.

Pedal 32' tone cutout. This is to affect stops #148 - 160 - 162 - 168 - 170 - 171 - 173 thru the entire compass of the stops.

Manual 16' tone cutout. This is to affect #1 - 2 - 3 - 9 - 10 - 24 - 28 - 30 - 35 - 36 - 37 - 47 - 48 - 59 - 62 - 69 - 71 - 75 - 76 - 85 - 86 - 102 - 104 - 108 - 111 - 116 - 124 $\frac{1}{2}$ - 128 - 130 - 136 - 137 - 141 thru the entire compass of the stops.

Master Expression on Swell Pedal.

Great Chimes plus Great Cancel. Is to operate the combination action for the Great Organ Cancel Piston, thus cancelling all manually drawn registration to the Great Organ, including couplers. It is also to electrically, moving no stop register but indicating by light, bring on to the Great Organ, the Chimes. The second touch of this piston will cancel the Chimes.

Great Harp plus Great Cancel (operating as above)

Solo Celesta plus Solo Cancel (operating as above)

MISCELLANEOUS

Celestial Shades Open (normal)

Celestial Shades Closed

Celestial Shades to Choir Pedal and Shades

Harp Dampers

Celesta Dampers

Chimes PP (felt interposed)

Grand Crescendo Indicator (lights)

Strings " " "

Voltmeter

General Setter (with light) Light is on when Setter button is in operation.

Automatic Starter for motors.

All materials, workmanship and principles of construction and operation to be strictly first-class.

The Tremolants are to be as effective and quiet as possible, located in the relay room if possible, or otherwise remotely located with muffled boxes.

The 32', 16' and 8' octaves of pipes (including Contra Dulzian) to be off of tremolants -- excepting the 16' Vox Baritone, and 8' octaves of strings, soft reeds, and soft flutes. (Remsburg has exact information on this)

The wind must be as steady as possible, using concussion bellows wherever necessary.

All noisy mechanism, including chest action, etc., shall be carefully muffled. The console shall be especially guarded against noise of operation, such as insulating screws, muffling exhaust of pneumatics, padding above and below stop keys, etc.

No Chest shall have its action operate until a stop belonging to that chest be first drawn.

The Great 16' DIAPASON, 8' DIAPASON MAJOR, 4' OCTAVE MAJOR, 8' & 4' HARMONIC FLUTES, 8' MAGIC FLUTE, Swell 8' STENTHORN, and Choir 8' OLD ENGLISH DIAPASON are to have their pipes furnished and voiced by Noel Bonavia-Hunt of London, from 4' C on up.

HARP and CHIMES: Mayland.

CELESTA: Mustel, Paris -- excepting lower octave by Deagan.

The Pedal 32' CONTRA TROMBONE, 32' CONTRA DULZIAN, Solo 8' TROMBONE, 4' CLARION, and Swell 8' CORNOPEAN are to have their pipes furnished and voiced by Frederick I. White, Reading, Mass.

Ventillation to be provided for the Choir and Celestial Organs when the wind is off. Special set of shades in Choir and Celesta Chamber to automatically close whenever wind is brought on and to open when wind is turned off. These shades are not to be operated in any other way at the console.

Shades are to be vertical, with ball-bearing sockets at the bottom; to be operated by master motors wherever possible; to be very quiet; to be 3" thick, with sound-trap edges; to fit tightly when closed.

Sample of finished mahogany, stained brown and somewhat dark for console interior so as to blend with the oak of organ case, and afford a background not too light for the stop keys, shall be furnished, finest hand rubbed wax finish desired.

All chests to be 73 note compass, with the exception of Great Organ 3-3/4" wind chest, and Great Organ Trombones. This means the stops indicated on Page 6 that are not to be affected by the Great Sub and Super Couplers are 61 note compass on Great.

Full and complete console details will be furnish the builder soon.

SPECIAL PEDAL BOARD.