

M. P. MÖLLER Organ Factory

Revised October 2, 1984
Revised July 17, 1984
May 8, 1984

Pipe Organ No. M-3456 V1140 Date May 8, 1984
For NATIONAL CITY CHRISTIAN CHURCH, WASHINGTON, D. C.
Action Electro-Pneumatic Console Chancel - New detached-no roll top
Gallery - Present detached
Casing No. Present - no change Finish To customer's sample
Decorations None Motor Chancel - Present Spencer 15 HP
Gallery - Present Kinetic 3 HP
Width of Key-bed Standard Stop Controls Draw Knobs & Tilting Tablet
No. Manuals Chancel - Five - 5 oz. touch
Gallery - Two Wind Pressure See Scale Sheets
To be Completed November 1, 1984 Blower Pipe furnished by Present

SPECIFICATIONS

FOR

REPLACING CHANCEL CONSOLE, ADDING TO
AND CHANGING TONALLY
PRESENT CHANCEL ORGAN
SKINNER OPUS 824-1930, R-941-1976
(GALLERY ORGAN-M. P. MÖLLER OPUS 11536-1981)

CONSOLE Install new five manual, all-electric draw knob console and pedal keyboard reusing existing bench.
Provide new bench for disposition with the present four manual console.

ACTIONS Unify present actions so listed in specifications.
Rework and/or install new toeboard/rackboard assemblies required for tonal changes.
Install new actions for additions complete with reservoirs, switches, etc. as required.

PIPES Revoice present pipes so listed in specifications.
Install new pipes as indicated by specifications.

CABLES Reuse present cables and action current wires supplementing same as needed.

ACTION CURRENT Reuse present Chancel 10-15 volts, 75 amperes DC organ power unit.
Sound-insulate for quiet operation.
Reuse present Gallery 10-15 volts, 30 amperes DC organ power unit without change.

EXPRESSION Install new accordian shade actions for Swell and Choir organs.

TREMOLO Install new electric tremolo for Choir organ.

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS
PEDAL COMPASS
WIND PRESSURE
PITCH

CC to C4, 61 notes
CCC to G, 32 notes
See Scale Sheets
A-440 @ 70°F

GREAT ORGAN - Exposed 27

91-179-207-7592

1	16	Violone....#1-61 present Kontra Geigen pipes and action; #62-73 new pipes and action.....73 pipes
2	8	Prinzipal.....present pipes and action.....61 pipes
3	8	Violone.....from #1 (new borrow).....61 notes
4	8	Bordun.....present pipes and action.....61 pipes
5	8	Querflöte.....present pipes and action.....61 pipes
6	4	Oktave.....present pipes and action.....61 pipes
7	4	Spitzflöte.....present pipes and action.....61 pipes
8	2-2/3	Quinte.....present pipes and action.....61 pipes
9	2	Oktavlein.....present pipes and action.....61 pipes
10	2	Waldflöte.....new pipes and action.....61 pipes
11	1-3/5	Terz.....present pipes and action.....61 pipes
12	V	Mounted Cornet....new pipes and action #13-49.....185 pipes
13	IV-V	Mixtur.....present pipes and action.....257 pipes
14	III-IV	Scharf.....present pipes and action.....220 pipes
15	16	Kontra Trompete...#1-73 present pipes and action; #74-85 new pipes and action.....85 pipes
16	16	Bombarde.....new pipes and action.....85 pipes
17	8	Trompette.....from #16 (new borrow).....61 notes
18	8	Trompette.....from #15.....61 notes
19	4	Klarine.....from #15 (new borrow).....61 notes
20	4	Clairon.....from #16 (new borrow).....61 notes
* 21	8	Festival Trumpet..present pipes and action.....61 pipes
* 22	8	Trompette en Chamade....from #123 (new borrow).....61 notes
23		Nordan Chimes.....present Mayland G to G, #20-44.....25 bells
24		Tremulant

UD
Ped to GT

18-22-26 1515

POSITIV ORGAN - Exposed 21

25	16	Quintaton.....from #72..(new borrow).....61 notes
26	8	Prinzipal.....new pipes and action.....61 pipes
27	8	Spitzgedackt.....present pipes and action.....61 pipes
28	4	Prinzipal.....present pipes and action.....61 pipes
29	4	Koppelflöte.....present pipes and action.....61 pipes
30	2-2/3	Nasat.....present pipes and action.....61 pipes
31	2	Oktave.....new pipes and action.....61 pipes
32	2	Flachflöte.....present pipes and action.....73 pipes
33	1-3/5	Terzflöte.....present pipes and action.....61 pipes
34	1-1/3	Quint.....new pipes and action.....61 pipes
35	1	Siffelöte.....from #32.....61 notes
36	III-IV	Tertian.....new pipes and action.....183 pipes
37	III-V	Zimbel.....present pipes and action.....257 pipes
38	16	Petite Trompette..new pipes and action.....85 pipes
39	16	Dulzian.....present pipes and action.....73 pipes
40	8	Petite Trompette..present pipes and action.....61 pipes

(continued)

POSITIV ORGAN - Exposed (continued)

41	8	Krummhorn.....from #39.....61 notes
42	8	Rohr Schalmel.....#1-12 and #45-61 new pipes and action; #13-44 present Pedal 4 Schalmel pipes and action unified.....61 pipes
43	4	Petite Clairon....from #38. (new borrow).....61 notes
44		Zimbelstern.....present bells and action.....4 bells
45		Tremulant
46	16	Festival Trumpet TC....from #21.....49 notes
47	8	Festival Trumpet.....from #21.....61 notes
48	4	Festival Trumpet.....from #21.....49 notes
49	8	Trompette en Chamade...from #123. (new borrow).....61 notes

16
00SWELL ORGAN - Enclosed 24

15-23-27 1281

50	16	Bourdon.....#1-24 present pipes and action; #25-73 new pipes and action.....73 pipes
51	8	Flûte à Cheminée.....from #50.....61 notes
52	8	Gambe.....present pipes and action-unified.....61 pipes
53	8	Gambe Céleste.....present pipes and action-unified.....61 pipes
54	8	Flûte Douce.....present pipes and action-revoiced.....61 pipes
55	8	Flûte Douce Céleste..present pipes and action-revoiced.....61 pipes
56	4	Prestant.....present pipes and action.....61 pipes
57	4	Flûte Triangulaire...present pipes and action.....61 pipes
58	2	Doublette.....present pipes and action.....61 pipes
59	2	Flûte Conique.....new pipes; #1-49 present 16 Bourdon action #25-73; #50-61 new action.....61 pipes
60	II	Sesquialtera.....present pipes and action.....122 pipes
61	III-V	Plein Jeu.....present pipes and action.....257 pipes
62	III	Cymbale.....present pipes and action.....183 pipes
63	16	Bombarde.....#1-61 present pipes and action - unified #33-61; #62-73 new pipes and action.....73 pipes
64	8	Trompette.....present pipes and action.....61 pipes
65	8	Bombarde.....from #63 (new borrow).....61 notes
66	8	Hautbois.....present pipes and action.....61 pipes
67	8	Voix Humaine.....new pipes; present action-unified.....61 pipes
68	4	Clairon.....present pipes and action.....61 pipes
69	8	Festival Trumpet.....from #21.....61 notes
70	8	Trompette en Chamade...from #123 (new borrow).....61 notes
71		Tremulant

16
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17-21-25 1440

CHOIR ORGAN - Enclosed ²¹

72	16	Quintaton.....#1-61 present pipes and action-unified; #62-73 new pipes and action.....73 pipes
73	8	Montre.....present pipes and action.....61 pipes
74	8	Flûte Ouverte.....present pipes and action.....61 pipes
75	8	Doppelflötenew pipes and action.....61 pipes
76	8	Quintadena.....from #72 (new borrow).....61 notes
77	8	Viole Sourdine....present pipes and action-unified.....61 pipes
78	8	Viole Sourdine Celeste TC...present pipes and action-unified...49 pipes
79	4	Octave.....present pipes and action.....61 pipes
80	4	Flûte Traversière....present pipes and action.....61 pipes
81	2-2/3	Nazard.....#1-12 new pipes and action; #13-73 present 1-1/3 Larigot pipes and action-unified.....73 pipes
82	2	Flute Magique.....present pipes and action.....61 pipes
83	1-1/3	Larigot.....from #81 (new borrow).....61 notes
84	III-IV	Fourniture.....present pipes and action.....220 pipes
85	III	Jeu de Clochette..new pipes; present IV-V Neuf Cornet action..183 pipes
86	16	Contre Trompette..new pipes and action.....85 pipes
87	8	Howland Tuba.....new pipes and action.....61 pipes
88	8	Trompette.....from #86.....61 notes
89	8	Cor Anglais.....present pipes and action-unified.....61 pipes
90	8	Clarinet.....new pipes and action.....61 pipes
91	4	Clairon.....from #86.....61 notes
92	8	Festival Trumpet.....from #21.....61 notes
93	8	Trompette en Chamade...from #123 (new borrow).....61 notes
94		Tremulant (new electric style)

16-22-25 1293

SOLO ORGAN (all 'new')

95	16	String Celeste IV TC..from #52, 53, 77, & 78.....49 notes
96	8	String Celeste IV.....from #52, 53, 77, & 78.....61 notes
97	4	String Celeste IV.....from #52, 53, 77, & 78.....61 notes
98	8	Doppelflöte.....from #75.....61 notes
99	8	Howland Tuba.....from #87.....61 notes
100	8	Trompette.....from #86.....61 notes
101	8	Cor Anglais.....from #89.....61 notes
102	8	Clarinet.....from #90.....61 notes
103	8	Voix Humaine.....from #67.....61 notes
104	8	Rohr Schalmel.....from #42.....61 notes
105	16	Festival Trumpet TC....from #21.....49 notes
106	8	Trompette en Chamade...from #123.....61 notes
107	8	Festival Trumpet.....from #21.....61 notes
108	4	Festival Trumpet.....from #21.....49 notes
109		Nordan Chimes.....from #23.....25 notes
110		English Handbells.....from #124.....61 notes

GALLERY GREAT ORGAN - Unenclosed 9

111	16	Bourdon.....	present pipes and action.....	92 pipes
112	8	Principal.....	present pipes and action.....	80 pipes
113	8	Gedeckt.....	from #111.....	61 notes
114	8	Gemshorn.....	from #128.....	61 notes
115	8	Gemshorn Celeste TC ...	from #129. (new borrow).....	49 notes
116	4	Octave.....	from #112.....	61 notes
117	4	Gedeckt	from #111.....	61 notes
118	2	Super Octave.....	from #112.....	61 notes
119	2	Flute	from #111.....	61 notes
120	V	Cornet....	pulls 113, 117, 119, & 121 (new borrows).....	98 pipes
121	II	Sesquialtera TC...	present pipes and action.....	208 pipes
122	III-IV	Mixture	present pipes and action.....	61 pipes
123	8	Trompette en Chamade...	present pipes and action.....	61 bells
124		English Handbells...	present bells and action.....	4 bells
125		Zimbelstern.....	present bells and action	
126		Tremulant		

5-13-17 539

GALLERY SWELL ORGAN - Enclosed 6

127	8	Rohrflöte.....	present pipes and action.....	73 pipes
128	8	Gemshorn.....	present pipes and action.....	80 pipes
129	8	Gemshorn Celeste TC...	present pipes and action.....	49 pipes
130	4	Spitzprincipal....	present pipes and action.....	73 pipes
131	4	Rohrflöte	from #127.....	61 notes
132	2	Spitzoctave.....	from #130.....	61 notes
133	1-1/3	Larigot.....	from #128. (repeat top notes).....	61 notes
134	1	Klein Oktave.....	from #130 (repeat top notes).....	61 notes
135	III-IV	Scharf.....	from #122 (new borrow).....	61 notes
136	16	Contre Trompette..	present pipes and action.....	80 pipes
137	8	Trompette.....	from #136.....	61 notes
138	8	Schalmei.....	present pipes and action	61 pipes
139	4	Clairon.....	from #136 (repeat top notes).....	61 notes
* 140	8	Trompette en Chamade....	from #123.....	61 notes
141		Tremulant		

6-15-18 416

PEDAL ORGAN 31

142	32	Untersatz.....	present pipes and action.....	44 pipes
143	16	Prinzipal.....	present pipes and action.....	32 pipes
144	16	Kontra Bass.....	present pipes and action.....	32 pipes
145	16	Subbass.....	from #142.....	32 notes
146	16	Violone	from #1.....	32 notes
147	16	Bourdon.....	from #50.....	32 notes
148	16	Quintaton.....	from #72.....	32 notes
149	10-2/3	Quinte.....	present pipes and action.....	44 pipes
150	8	Oktave.....	present pipes and action.....	32 pipes
151	8	Violone.....	from #1 (new borrow).....	32 notes
152	8	Gedackt Pommer....	present pipes and action.....	32 pipes
153	8	Flüte a Cheminée.....	from #50.....	32 notes

(continued)

PEDAL ORGAN (continued)

154	5-1/3	Quinte.....from #149.....	32 notes
155	4	Choralbass.....present pipes and action.....	32 pipes
156	4	Nachthornpresent pipes and action.....	32 pipes
157	4	Flûte à Cheminéefrom #50.....	32 notes
158	2	Hohlfloûtepresent pipes and action	32 pipes
159	IV	Grand Cornet (64') repitched and revoiced present pipes and action	128 pipes
160	IV	Cornet (32').....repitched and revoiced present pipes and action.....	128 pipes
161	IV	Mixturpresent pipes and action.....	128 pipes
162	III	Scharf.....present pipes and action.....	96 pipes
163	VI	Terz Zimbel...160 present Choir IV-V Neuf Cornet and Pedal IV (16') Cornet, 32 new pipes; present IV Cornet (16')action	192 pipes
164	32	Kontra Posaune....#1-12 present pipes, #13-68 new pipes; present action	68 pipes
165	16	Posaune.....from #164.....	32 notes
166	16	Kontra Trompete.....from #15.....	32 notes
167	16	Bombarde.....from #63.....	32 notes
168	16	Petite Trompette.....from #38 (new borrow).....	32 notes
169	16	Dulzianfrom #39.....	32 notes
170	16	Contre Trompette.....from #86 (new borrow).....	32 notes
171	8	Posaune.....from #164	32 notes
172	8	Trompete.....from #15.....	32 notes
173	8	Trompettefrom #86 (new borrow).....	32 notes
* 174	8	Trompette en Chamade....from #123 (new borrow).....	32 notes
* 175	8	Festival Trumpet.....from #21.....	32 notes
176	4	Klarinefrom #164.....	32 notes
177	4	Trompetefrom #15 (new borrow).....	32 notes
178	4	Rohr Schalmey.....from #42.....	32 notes
179		Nordan Chimes.....from #23.....	25 notes
180		Tremulant (pitman chest only)	

15-37-40 1052

GALLERY PEDAL ORGAN - Exposed |

181	16	Principal.....present pipes and action.....	56 pipes
182	16	Bourdonfrom #111.....	32 notes
183	10-2/3	Quint.....from #111.....	32 notes
184	8	Octave.....from #181.....	32 notes
185	8	Rohrfloûte.....from #127.....	32 notes
186	4	Choralbass.....from #181.....	32 notes
187	4	Gedeckt.....from #111.....	32 notes
188	32	Trompette Cornet.....from #111 & 136.....	32 notes
189	16	Contre Trompette.....from #136.....	32 notes
190	4	Clairon.....from #136.....	32 notes
191	4	Schalmey.....from #138 (new borrow).....	32 notes
* 192	8	Trompette en Chamade....from #123.....	32 notes

v9

(*) Not affected by couplers

1-12-13 - 56

CHANCEL COUPLERS

193	Great to Pedal	216	Choir to Swell
194	Great to Pedal 4	217	Positiv to Swell
195	Swell to Pedal	218	Great to Positiv
196	Swell to Pedal 4	219	Swell to Positiv 16
197	Choir to Pedal	220	Swell to Positiv
198	Choir to Pedal 4	221	Swell to Positiv 4
199	Positiv to Pedal	222	Choir to Positiv
200	Positiv to Pedal 4	223	Choir to Positiv 4
201	Solo to Pedal	224	Pedal to Positiv
202	Solo to Pedal 4	225	Great Unison Off
203	Swell to Great 16	226	Swell 16
204	Swell to Great	227	Swell Unison Off
205	Swell to Great 4	228	Swell 4
206	Choir to Great 16	229	Choir 16
207	Choir to Great	230	Choir Unison Off
208	Choir to Great 4	231	Choir 4
209	Positiv to Great 16	232	Positiv 16
210	Positiv to Great 8	233	Positiv Unison Off
** 211	Pedal to Great	234	Pedal Unison Off
212	Swell to Choir 16		
213	Swell to Choir		
214	Swell to Choir 4		
215	Positiv to Choir		

** Drawknob affected by Great and General combinations

GALLERY COUPLERS

235	Great to Pedal	243	Great to Positiv
236	Great to Pedal 4	244	Swell to Positiv
237	Swell to Pedal	245	Great to Solo
238	Swell to Pedal 4	246	Swell to Solo
239	Swell to Great	247	Great Unison Off
240	Great to Choir	248	Swell 16
241	Swell to Choir	249	Swell Unison Off
242	Great to Swell	250	Swell 4
		251	Pedal Unison Off

MISCELLANEOUS CONTROLS - by drawknobs

252 Pedal Divide-- Pedal and General combinations
 253 Great Reeds Silent - Great and General combinations
 254 Great Mixtures Silent - Great and General combinations
 255 Swell Reeds Sil - Swell and General combinations
 256 Choir Reeds Silent - Choir and General combinations
 257 All Reeds Silent - General combinations
 258 All Mixtures Silent - General combinations
 259 All Swells to Swell - Swell and General Combinations
 260 Chancel Coupler Cancel (push)
 261 Gallery Coupler Cancel (push)
 262 Gallery Console Off

ADJUSTABLE COMBINATIONS
 (Solid State - Four Memories)

Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Great
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12-13-14	Affecting Swell
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Choir
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Positiv
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Solo
Pistons No. 1-2-3	Affecting Gallery Great
Pistons No. 1-2-3	Affecting Gallery Swell
Toe Studs No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Pedal (6-12 duplicated by
<i>Pistons no. 6-7-8-9-10-11</i>	<i>affecting Pedal</i> manual pistons)
Toe Studs No. 1-2-3	Affecting Gallery Pedal
Pistons No. 1-2-3-4-5-6-0	Affecting Chancel Couplers ("0" affects
	Chancel and Gallery couplers)
Pistons No. 1-2-3-4-5-6	Generals affecting Gallery Organ
	(duplicated by toe studs)
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Generals affecting Full Organ
13-14-15-16-17-18-19-20-21-22-23-24	(1-24 duplicated by toe studs)
Divisional cancels by draw knobs (push) and by jamb pistons	
General Cancel by manual piston and toe stud	
Setter Piston	
Memory selector A-B-C-D reversibles by jamb pistons with indicator lights,	
individual and master lock switches. (5 separate keys)	

REVERSIBLES

Swell to Great	manual piston
Choir to Great	manual piston
Positiv to Great	manual piston
Swell to Positiv	manual piston
Choir to Positiv	manual piston
Great to Pedal	manual piston - toe stud
Swell to Pedal	manual piston - toe lever
Choir to Pedal	manual piston - toe lever
Positiv to Pedal	manual piston - toe lever
Solo to Pedal	manual piston - toe lever
Gallery Great to Pedal	manual piston - toe lever
Gallery Swell to Pedal	manual piston - toe lever
Pedal Divide	toe lever
Chancel Tutti	manual piston - toe stud - indicator light
Gallery Tutti	manual piston - toe stud - indicator light
Chancel Pedal Tutti	manual piston - toe stud - indicator light
Grand Tutti	manual piston - toe stud - indicator light
32 Untersatz	toe stud
32 Kontra Posaune	toe stud
32 Cornet	toe stud
Chancel Zimbelstern	toe stud
Gallery Zimbelstern	toe stud
All Swells to Swell	jamb piston - indicator light
Tremolos Off	jamb piston - indicator light
Celestes Silent	jamb piston - indicator light
4 Couplers Silent	jamb piston - indicator light
Manual 16's Silent	jamb piston - indicator light
Pedal 32's Silent	jamb piston - indicator light
(incl. 10-2/3 & Cornets)	
All Mixtures Silent	jamb piston - indicator light
All Reeds Silent	jamb piston - indicator light
Silencers Off	toe stud - toe lever - indicator light
Gallery Pedal Unison Off	jamb piston - indicator light

*) Divides pedal board into 2 sections, lower twelve keys playing only pedal stops, upper section Couplers and Chimes. Note that this requires lowest five notes of Chimes to be silenced when Pedal Divide is on.

MISCELLANEOUS CONTROLS - by jamb pistons

Chancel - Both - Gallery

duplicated by toe studs with indicator lights

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ
Balanced Expression Pedal - Choir Organ
Balanced Expression Pedal - Gallery Swell Organ
Balanced Crescendo Pedal with A-B-Grand settings by bars over pedals and by
jamb pistons with indicator lights (A & B-Chancel only,
Grand-both) and digital indicator (#1 thru 16)

ACCESSORIES

Concave, radiating pedal clavier
Present adjustable bench with back rest to be reused with new AC motor & switch installed.
New organ bench with back rest and height adjustment blocks.
Adjustable wood music rack with light
Extra length pedal light, concealed, operates with Chancel blower - with cutout.
Glides under console for rotation
Key operated motor switches - Chancel and Gallery (keyed alike - with (DC) indicator lights)
Pencil storage drawers under key frame.
Numbered stop controls
Brown engraving with borrow indications
Transposer (- 1-1/2, -1, - 1/2, 0, + 1/2, +1, + 1-1/2)
Present Chancel DC organ power unit to be sound insulated
Present sound system to be incorporated in new console
Phone signal - jamb piston and light
Intercom signal - jamb piston and light
Speaker - jamb piston and light