

M. P. MOLLER ORGAN FACTORY

4-49

Pipe Organ	<u>R-182</u>	Date	<u>February 2, 1987</u>
For	<u>FIRST CHURCH OF CHRIST, SCIENTIST, ATLANTA, GEORGIA</u>		
Action	<u>Electro-Pneumatic</u>	Console	<u>Detached</u>
Casing No.	<u>Present-No change</u>	Finish	<u>No change</u>
Decorations	<u>None</u>	Motor	<u>Present 10HP, Style 4P-3330</u>
Width of Key-bed	<u>Standard</u>	Stop Controls	<u>Draw Knobs & Tilting</u>
No. Manuals	<u>Four and Pedal</u>	Tablets	
Wind Pressure	<u>See scale sheets</u>	Blower Pipe furnished by	<u>Purchaser</u>
To be Completed	<u>August 15, 1987</u>		

SPECIFICATIONS FOR

REBUILDING, CHANGING TONALLY, AND ADDING TO
PRESENT MOLLER ORGAN OPUS 9292 - 1958

CONSOLE

Reuse present console rebuilding as follows:

- Install new electric drawknobs
- Install new electric tilting tablets
- Install new quad memory solid state combination action
- Replace all piston buttons and springs
- Install 4 new Full Organ pistons
- Recover all coupler pneumatics
- Recover all primaries and install new magnet armatures
- Recover all reversible actions
- Install new 32 Bourdon and 32 Bombarde reversible toe levers
- Replace crescendo and expression pedal pads and edging
- Replace burrs and felt washers on manual keys
- Refelt action as required
- Refelt pedal keyboard and install new insulating tips
- Recover reservoirs
- Recover rolltop
- Refinish console cabinet, bench, and pedal key

PITMAN CHESTS

- Recover all manual pipe pouches
- Replace stop action checks and eyelets
- Recover seven 61 note primary stations and install new magnet armatures
- Recover stop action primaries and install new magnet armatures
- Replace duplex shifters where required
- Rework and/or install new toeboard/rackboard assemblies as required for tonal changes

OFFSET & UNIT CHESTS

Recover the following actions and install new magnet armatures:

Great	16	Pommer	12 notes
Great	8	Principal	12 notes
Swell	16	Rohrgedackt	73 notes
Antiphonal	8	Rohrflote	8 notes

Install new actions as required for additions

CHIMES Rebuild present 27 note electro-pneumatic action for use
 with present Pilcher bells

SWITCHES Install new solid state switches as required

PEDAL ORGAN Recover the following actions and install new magnet
 armatures:

32	Bourdon	12 notes
16	Subbass	56 notes
8	Principal	56 notes
16	Trumpet	56 notes

EXPRESSION Replace existing individual shade motors with accordian type
 actions
 Refelt shades

RESERVOIRS Recover the following reservoirs and install new curtain
 valves:

Two	3'-0"	x	5'-0"	manual
Three	3'-0"	x	4'-0"	manual
Two	2'-0"	x	3'-0"	pedal
Three	1'-6"	x	2'-6"	pedal
One	1'-6"	x	2'-0"	pedal
One	4'-0"	x	4'-0"	blower

TREMOLOS Install new electro-pneumatic tremolos

PIPES Install new pipes as indicated by organ specifications
 Revoice all pipes being reused
 Repack all wood pipe stoppers
 Install slide tuners as required

CABLES Install new plastic covered cables between console and
 organ divisions
 Install new action current wires between console, organ
 divisions, and DC organ power units

ACTION
CURRENT Install two (2) new 10-15 volts, 50 amperes DC organ power
 units

BLOWER Reuse present 10HP, Style 4P-3330 motor and blower without
 change
 Install new motor-blower coupling leathers
 Install new 14" diameter flexible connection with draw bands
 Install new vibro-eliminators

GENERAL All parts specified above to be rebuilt to be returned to
 the factory of M.P. Moller, Inc. at Hagerstown, Maryland
 All parts from present instrument not required to complete
 this program become the property of M.P. Moller, Inc.

SPECIFICATIONS
for
CONSOLE AND ORGAN

MANUAL COMPASS	CC TO C4, 61 notes
PEDAL COMPASS	CCC TO G, 32 notes
WIND PRESSURE	See Scale Sheets
PITCH	A-440 @ 700 F

GREAT ORGAN - Unenclosed 11

Present pipes and action unless otherwise noted

1.	16	Pommer.....present Quintaton pipes & action, unified....	61 pipes
2.	8	Principal..present Diapson pipes and action (rescaled)..	61 pipes
3.	8	Bourdon.....	61 pipes
4.	8	Gemshorn.....	61 pipes
5.	4	Octave.....rescaled.....	61 pipes
6.	4	Nachthorn..present Choir 4 Nachthorn pipes; present 2 2/3 Octave Quint action.....	61 pipes
7.	2	Super Octav..rescaled.....	61 pipes
8.	III-IV RKS.	Mixtur.....present Swell III Rks. Plein Jeu pipes plus 37 new pipes; present III Rks. Fourniture action.....	220 pipes
* 9.	8	Festival Trumpet..from #35.....	61 notes
10.		Chimes.....present bells & action(relocated by installer)	21 bells

* Not to be affected by couplers

SWELL ORGAN - Enclosed 15

11.	16	Rohrgedackt.....	73 pipes
12.	8	Rohrflote..from #11.....	61 notes
13.	8	Viole.....present Viole de Gamba pipes and action.....	61 pipes
14.	8	Viole Celeste.....	61 pipes
15.	4	Principal..rescaled.....	61 pipes
16.	4	Koppelflote.....	61 pipes
17.	2 2/3	Nasard.....present Choir 2 2/3 Nazard pipes; new action..	61 pipes
18.	2	Blockflote..present Choir 2 Blockflote pipes; present Octavin action.....	61 pipes
19.	1 3/5	Terz.....present Choir 1 3/5 Tierce pipes;new action...	61 pipes
20.	III-IV Rks.	Plein Jeu..present Great III Fourniture pipes plus 49 new pipes; present III Plein Jeu action.....	220 pipes
21.	16	Basson.....	73 pipes
22.	8	Trompette.....	61 pipes
23.	8	Hautbois...from #21.....	61 notes
24.	4	Clairon.....	61 pipes
25.		Tremolo	

CHOIR ORGAN - Enclosed 12

26.	8	Gedackt.....	61 pipes
27.	8	Erzahler.....	61 pipes
28.	8	Erzahler Celeste TC.....	49 pipes
29.	4	Spitzflote..new pipes; present 4 Nachthorn action.....	61 pipes

30.	2	Principal..present Swell 2 Octavin pipes rescaled; present 2 Blockflote action.....	61 pipes
31.	1 1/3	Quint.....#1-49 present Great 2 2/3 Octave Quint #13-61, #50-61 new pipes; present 1 3/5 Tierce action.	61 pipes
32.	III-IV		
	Rks.	Scharf.....new pipes; present 2 2/3 Nazard action.....	220 pipes
33.	8	Schalmei.....	61 pipes
34.		Tremolo	
*35.	8	Festival Trumpet...new pipes and action.....	61 pipes

* Not to be affected by couplers

ANTIPHONAL ORGAN - Enclosed 8

36.	8	Rohrflote.....	61 pipes
37.	8	Viole Aetheria.....	61 pipes
38.	8	Vox Angelica TC.....	49 pipes
39.	4	Octave.....	61 pipes
40.	II Rks.	Grave Mixture.....	122 pipes
41.	8	Trumpet.....	61 pipes
42.	8	Vox Humana.....	61 pipes
43.		Chimes.....present Pilcher bells and electro-pneumatic action.....	27 bells
44.		Tremolo	

* * PEDAL ORGAN 3

45.	32	Bourdon.....	68 pipes
46.	16	Principal..#1-12 new pipes and action, #13-68 present 8 Principal pipes and action, #69-80 new pipes and action.....	80 pipes
47.	16	Subbass....from #45.....	32 notes
48.	16	Pommer....from #1.....	32 notes
49.	16	Rohrgedackt..from #11.....	32 notes
50.	8	Principal..from #46.....	32 notes
51.	8	Pommer....from #1.....	32 notes
52.	8	Rohrflote..from #11.....	32 notes
53.	4	Octav.....from #46.....	32 notes
54.	4	Flute.....from #45.....	32 notes
55.	4	Pommer....from #1.....	32 notes
56.	III Rks	Mixture....from #46.....	32 notes
57.	32	Bombarde...#1-12 new pipes and action, #13-68 present 16 Trumpet pipes and action.....	68 pipes
58.	16	Trumpet....from #57.....	32 notes
59.	16	Basson....from #21.....	32 notes
60.	8	Trumpet....from #57.....	32 notes
61.	4	Clairon....from #57.....	32 notes

* * Pedal Organ playable thru solid state switches

COUPLERS

- | | |
|---------------------------|---------------------------|
| 62. Great to Pedal 8 | 78. Swell to Choir 8 |
| 63. Great to Pedal 4 | 79. Swell to Choir 4 |
| 64. Swell to Pedal 8 | 80. Antiphonal to Choir 8 |
| 65. Swell to Pedal 4 | 81. Antiphonal to Choir 4 |
| 66. Choir to Pedal 8 | 82. Great 16 |
| 67. Choir to Pedal 4 | 83. Great Unison Off |
| 68. Antiphonal to Pedal 8 | 84. Great 4 |
| 69. Swell to Great 16 | 85. Swell 16 |
| 70. Swell to Great 8 | 86. Swell Unison Off |
| 71. Swell to Great 4 | 87. Swell 4 |
| 72. Choir to Great 16 | 88. Choir 16 |
| 73. Choir to Great 8 | 89. Choir Unison Off |
| 74. Choir to Great 4 | 90. Choir 4 |
| 75. Antiphonal to Great 8 | 91. Antiphonal 16 |
| 76. Antiphonal to Great 4 | 92. Antiphonal Unison Off |
| 77. Swell to Choir 16 | 93. Antiphonal 4 |

ADJUSTABLE COMBINATIONS

(Solid State Capture System - Quad Memory)

- | | |
|--|---|
| Pistons No. 1-2-3-4-5-6-7-8 | Affecting Great |
| Pistons No. 1-2-3-4-5-6-7-8 | Affecting Swell |
| Pistons No. 1-2-3-4-5-6-7-8 | Affecting Choir |
| Pistons No. 1-2-3-4-5-6 | Affecting Antiphonal |
| Pistons No. 1-2-3-4-5-6-7-8 | Affecting Pedal (duplicated by toe studs) |
| Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12 | Affecting Full Organ (1 thru 8 duplicated by toe studs) |

General Cancel
 Combination Adjustor
 Memory Selector
 Combination Lock

PEDAL MOVEMENTS

Great to Pedal Reversible (duplicated by manual piston)
 Swell to Pedal Reversible (duplicated by manual piston)
 Choir to Pedal Reversible (duplicated by manual piston)
 Antiphonal to Pedal Reversible (duplicated by manual piston)
 Tutti Reversible (duplicated by manual piston) with indicator light
 32 Bourdon Reversible
 32 Bombarde Reversible
 Cymbelstern Reversible
 All Swells to Swell Reversible (duplicated by manual piston)
 Balanced Expression Pedal - Swell Organ
 Balanced Expression Pedal - Choir Organ
 Balanced Expression Pedal - Antiphonal Organ
 Balanced Crescendo Pedal with indicator light

ACCESSORIES - present unless noted

Concave, radiating pedal clavier
Organ bench with music shelf
Music rack with light
Pedal light
Present motor and blower
New DC organ power units
Cymbelstern - 5 bells

CNG/ceh
6/3/87