

# **KEATES-GEISSLER PIPE ORGANS LIMITED**

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MEMBER  
INTERNATIONAL SOCIETY  
OF ORGAN BUILDERS

TELEPHONE (519) 853-1510

100 FREDERICK ST.,  
ACTON, ONTARIO L7J 2C2

DESIGNED FOR:

SHADES MOUNTAIN BAPTIST CHURCH

BIRMINGHAM, ALABAMA

SPECIFICATION No. 86-5126-211-92

**KEATES-GEISSLER PIPE ORGANS  
LIMITED**

SPECIFICATION NO. 86-5126-211-92

MANUAL II

-1-

<u>Source</u>	<u>Great Organ</u>	<u>Feet</u>	<u>No. Pipes</u>
As	1. Double Principal	16	61
	2. Montre	8	61
New	3. Hohlflöte	8	61
	4. Bourdon	8	61
	5. Erzähler	8 E	
	6. Erzähler Celeste	8 E	
	7. Octave	4	61
New	8. Rohrflöte	4	61
	9. Twelfth	2 2/3	61
	10. Fifteenth	2	61
New	11. Cornet V (TC.)	4	330
	12. Fourniture IV-VI	1 1/3	244
New	13. Scharf-Zimbel IV	2/3	61
New	14. Double Trompette (HL.)	16	61
New	15. Trompette (Ext. #14)	8	12
New	16. Clairon (Ext. #14)	4	12
New	17. En Chamade Trumpet	8	61
New	18. En Chamade (Ext. #17)	4	12
	Tremulant		
	Great to Great 16'		
	Great to Great 8'		
	Great to Great 4'		
	Positiv on Great		
	Chimes		
	Bombarde on Great		
	Zimbelstern		

Composite

31 Pipe Ranks

2 Electronic

Cont'd . . .

**KEATES-GEISSLER PIPE ORGANS  
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MANUAL III

-2-

<u>Source</u>	<u>Swell Organ</u>	<u>Feet</u>	<u>No. Pipes</u>
	1. Bourdon Doux	16	E
	2. Stopped Flute	8	61
New	3. Geigen Principal	8	61
	4. Viola da Gamba	8	61
	5. Viola Celeste	8	E
New	6. Salicional	8	61
	7. Spitz Principal	4	61
New	8. Cor de Nuit	4	61
New	9. Nazard	2 2/3	61
New	10. Doublette	2	61
	11. Sesquialter II	2 2/3	122
	12. Plein Jeu IV	2	244
New	13. Scharf III	1	183
New	14. Fagotto (HL.)	16	61
	15. Trompette	8	61
	16. Hautbois	8	61
	17. Clairon	4	61
	Tremulant		
	Swell to Swell 16'		
	Swell to Swell 8'		
	Swell to Swell 4'		
	Positiv on Swell		
	Bombarde on Swell		

20 Pipes

20 Pipes

3 Electronic

**KEATES-GEISSLER PIPE ORGANS  
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MANUAL I

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<u>Source</u>	<u>Choir Organ</u>	<u>Feet</u>	<u>No. Pipes</u>
	1. Flauto Dolce	16	12
	2. Flute a Cheminee	8	61
	3. Viola Pomposa	8	61
	4. Viola Celeste	8	61
	5. Flauto Dolce	8	61
	6. Flauto Dolce Celeste	8	61
New	7. Geigen Octave	4	61
New	8. Blockflöte	4	61
	9. Principal	2	61
New	10. Terz	1 3/5	61
	11. Quinte	1 1/3	61
New	12. Acuta III	2/3	183
	13. Scharf III	1	183
	14. Dulcian	16	61
New	15. Cromorne	8	61
	16. Harp		E
	Tremulant		
	Choir to Choir 16'		
	Choir to Choir 8'		
	Choir to Choir 4'		
	Positiv on Choir		
	Bombarde on Choir		

18 Pipe  
1 Electronic

Cont'd . . .

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MANUAL I

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<u>Source</u>	<u>Positiv Organ</u> (floating division)	<u>Feet</u>	<u>No. Pipes</u>
	1. Quintaten	16	12    1-12
	2. Quintaten	8	61
	3. Gedeckt	8	61
	4. Prestant	4	61
	5. Spillflöte	4	61
	6. Flachflöte	2	61
	7. Larigot	1 1/3	61
	8. Siffflöte	1	61
New	9. Zimbel III	1/2	183
New	10. Krummhorn	8	61
New	11. Rohrschalmei	4	61
	Tremulant		
	Positiv to Positiv 16'		
	Positiv to Positiv 8'		
	Positiv to Positiv 4'		

12 Pipe

**KEATES-GEISSLER PIPE ORGANS  
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MANUAL V

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<u>Source</u>	<u>Antiphonal Organ</u>	<u>Feet</u>	<u>No. Pipes</u>	
	1. Contra Gamba	16	61	E
	2. Gamba	8	61	E
	3. Gamba Celeste	8	61	E
New	4. Concert Flute	8	61	New
New	5. Echo Principal	8	61	New
New	6. Grobflöte	8	61	New Tremulant
New	7. Viol Principal	4	61	New
New	8. Flauto Harmonique	4	61	New
New	9. Piccolo	2	61	New
New	10. Pfeife	1	61	New
	11. Mixture IV	1 1/3	244	
	12. Corno de Bassetto	16		E
New	13. English Horn	8	61	New
	14. French Horn	8	61	
	15. Musette	8		E
	Tremulant			
	Antiphonal to Antiphonal 16'			
	Antiphonal to Antiphonal 8'			
	Antiphonal to Antiphonal 4'			
	Bombarde on Antiphonal			

13 Pipe

5 Electronic

Cont'd . . .

KEATES-GEISSLER PIPE ORGANS  
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MANUAL IV

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<u>Source</u>	<u>Etherial Organ</u>	<u>Feet</u>	
	1. Contra Dolcan	16	E
	2. Dolcan	8	E
	3. Dolcan Celeste	8	E
	4. Cor de Nuit	8	E
	5. Flute Celeste II	8	E
	6. Dulcet II	4	E
	7. Silverflute	4	E
	8. Piccolo	2	E
	9. Vox Humana	8	E
	10. Trumpet Millinial	8	E

Etherial Pedal

11.	Bourdon	16	E
12.	Dolcan	16	E
13.	Octave	8	E
14.	Flute Doux	8	E

Tremulant

Etherial to Etherial 16'

Etherial to Etherial 8'

Etherial to Etherial 4'

Positiv on Etherial

Bombarde on Etherial

14 Electronic

Cont'd . . .

**KEATES-GEISSLER PIPE ORGANS  
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<u>Source</u>	<u>Bombarde Organ</u> (Floating division)	<u>Feet</u>	<u>No. Pipes</u>
New	1. Principal Militare	8	61
New	2. Rauschwerk XV	5 1/3	911
New	3. Contra Bombarde	16	61
New	4. Bombarde (Ext. #3)	8	12
New	5. Bombarde Octave (Ext. #3)	4	12
	Bombarde to Bombarde 16'		
	Bombarde to Bombarde 8'		
	Bombarde to Bombarde 4'		

17 Pipe

Cont'd . . .



**KEATES-GEISSLER PIPE ORGANS  
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<u>Source</u>	<u>Pedal Organ</u>	<u>Feet</u>	<u>No. Pipes</u>
	1. Double Open	32	E
	2. Contra Subbass	32	E
New	3. Montre	16	32
	4. Principal (Great)	16	
	5. Subbass	16	32
	6. Bourdon Doux (Swell)	16	
	7. Flauto Dolce (Choir)	16	
	8. Quintaten (Positiv)	16	
	9. Contra Dolcan (Ethereal)	16	
	10. Quinte	10 2/3	E
	11. Octave Bass	8	32
New	12. Bassflute (Ext. #5)	8	12
New	13. Rohrpfeife	8	32
	14. Lieblichflöte (Swell)		
	15. Flute Conique (Choir)	8	
	16. Principal (Great)	8	
	17. Choralbass	4	12
New	18. Loch Gedeckt	4	32
	19. Quintadena (Positiv)	4	
New	20. Bockzimbél II	5 1/3	64
	21. Rauschpfeife IV	2 2/3	128
New	22. Mixture III	2	183
	23. Bombarde	32	E
	24. Bombarde	16	32
	25. Fagotto (Swell)	16	

15 Pipe

4 Electronic

**KEATES-GEISSLER PIPE ORGANS  
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<u>Source</u>	<u>Pedal Organ (cont'd)</u>	<u>Feet</u>	<u>No. Pipes</u>
	26. Trompette (Great)	16	
	27. Bombarde Petit (Bombarde)	16	
	28. Dulcian (Positiv)	16	
New	29. Bombarde (Ext. #24)	8	12
	30. Trompette (Great)	8	
	31. Fagot (Swell)	8	
New	32. Octave Bombarde (Ext. #24)	4	12
	33. Hautbois (Swell)	4	
	34. Trompette Octave (Great)	4	
New	35. Zink (Ext. #24)	2	12

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COUPLERS

1.	Great to Pedal	(R)	8'	thumb and toe
2.	Great to Pedal		4'	
3.	Swell to Pedal	(R)	8'	thumb
4.	Swell to Pedal		4'	
5.	Choir to Pedal	(R)	8'	thumb
6.	Choir to Pedal		4'	
7.	Positiv to Pedal	(R)	8'	thumb
8.	Ethereal to Pedal	(R)	8'	thumb
9.	Antiphonal to Pedal	(R)	8'	thumb
10.	Bombarde to Pedal	(R)	8'	thumb
11.	Swell to Great		16'	
12.	Swell to Great	(R)	8'	thumb
13.	Swell to Great		4'	
14.	Choir to Great		16'	
15.	Choir to Great	(R)	8'	thumb
16.	Choir to Great		4'	
17.	Ethereal to Great		16'	
18.	Ethereal to Great	(R)	8'	thumb
19.	Ethereal to Great		4'	
20.	Antiphonal to Great		16'	
21.	Antiphonal to Great	(R)	8'	thumb
22.	Antiphonal to Great		4'	
23.	Choir to Swell		16'	
24.	Choir to Swell	(R)	8'	thumb
25.	Choir to Swell			

Cont'd.....

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COUPLERS  
(Cont'd)

26.	Etherial to Swell		16'	
27.	Etherial to Swell	(R)	8'	thumb
28.	Etherial to Swell		4'	
29.	Antiphonal to Swell		16'	
30.	Antiphonal to Swell	(R)	8'	thumb
31.	Antiphonal to Swell		4'	
32.	Swell to Choir		16'	
33.	Swell to Choir	(R)	8'	thumb
34.	Swell to Choir		4'	
35.	Etherial to Choir		16'	
36.	Etherial to Choir	(R)	8'	thumb
37.	Etherial to Choir		4'	
38.	Antiphonal to Choir		16'	
39.	Antiphonal to Choir	(R)	8'	thumb
40.	Antiphonal to Choir		4'	
41.	Bombarde to Etherial		16'	
42.	Bombarde to Etherial	(R)	8'	thumb
43.	Bombarde to Etherial		4'	

(R) denotes couplers equipped with reversible piston

Cont'd.....

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COMBINATION  
PISTONS

(adjustable, capture type, Solid State action)  
(Six-stage locking memory system - Keates-Geissler design)

All thumb pistons lighted

Great divisional	1-- 20,	cancel	(thumb and toe)
Swell divisional	1 - 10,	cancel	(thumb)
Choir divisional	1 - 10,	cancel	(thumb)
Etherial divisional	1 - 5,	cancel	
Positiv divisional	1 - 5,	cancel	
Bombarde divisional	1 - 5,	cancel	
Antiphonal divisional	1 - 5,	cancel	
Pedal divisional	1 - 10,	cancel	(thumb and toe)
General Pistons	1 - 20		(thumb and toe)
Adjuster Piston			(thumb)
General Cancel Piston			(thumb)
Master Pistons	1 - 10		(thumb and toe)
Sforzando I			(thumb and toe)
Sforzando II			(thumb and toe)
Crescendo and Orchestral Crescendo			

CONTROLS (Lighted Thumb Pistons - Reversible)

All Swells to Swell  
Pedal Pistons to Great Pistons coupler  
Manual 16' Off  
Pedal 32' Off  
Reeds Off  
Pedal to Swell coupler  
Tremulants Off  
General Crescendo Tremulant Cancel  
Signal II  
Signal II

Cont'd.....

CONTROLS  
(other)

Swell Expression Pedal  
Choir Expression Pedal  
Etherial Expression Pedal  
Antiphonal Expression Pedal  
General Crescendo       ) controlled by single Expression Pedal,  
Orchestral Crescendo    ) with change-over switch

INDICATOR LIGHTS

General Crescendo	1 - 10
Orchestral Crescendo	1 - 10
Swell Expression	1 - 5
Choir Expression	1 - 5
Etherial Expression	1 - 5
Antiphonal Expression	1 - 5
Sforzando I	1
Sforzando II	
Signal I    )	2 lights on console
Signal II   )	

Cont'd.....

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CONSOLE

New-five-manual, drawknob type, detached, movable, with inter-manual and pedal couplers in form of tilting tablets. One-section couplers in form of drawknobs mounted with stops of division affected.

61 note manual compass

32 note concave and radiating pedalboard

Console and pedalboard measurements to AGO standards

Solid State switching system, Keates-Geissler type

Sterling silver contacts

Tracker touch

Plate glass music rack, adjustable

Incandescent music rack and pedal lighting, with rheostat control

Console of traditional design, oak frame construction, with exterior and bench finished to match church furniture

Interior finish and key trim in solid mahogany

Adjustable bench, with back rest

Order of Manuals: 5 Antiphonal

4 Etherial

3 Swell

2 Great

1 Choir

Six-stage locking Memory System, Keates-Geissler design for combination pistons

Key-locking power switch

Digital clock

PIPES

Pipes from present organ in Shades Mountain Baptist Church, Birmingham, utilized

New pipes of matching quality provided for all new ranks.

Cont'd.....

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ORGAN

Main organ parts utilized from present organ in  
Shades Mountain Baptist Church, Birmingham

New chests to be of electro-pneumatic, pitman type,  
with "Schwimmer Reservoirs, similar to chests of  
present organ, but of our design

New rectifier

New blowers

INSTALLATION

Organ installed according to design submitted

GUARANTEE

Ten years on all new parts against defective parts  
and or workmanship