

Casavant Opus: 3719 *Contract Specification Date:* August 25, 1992
Location: The Cathedral Church of St. Paul
 Des Moines, Iowa
Installation Date: June 1993 & 1997
Key Action: Electro-pneumatic *Stop Action:* Electro-pneumatic (Pitman)
Console / Keydesk: 3 manuals Fixed in place With rolltop cover
Console Location: Detached
Stop Controls: Drawknobs *Arrangement:* Vertical rows on angled jambs
Manual Compass: 61 notes *Pedal Compass:* 32 notes
Expressive Divisions: Récit and Choeur
Tonal Director: Jean-Louis Coignet
Case / Façade: The main organ is located on the left side of the chancel with
 openings into the chancel and nave. Oak casework and speaking
 façade pipes are visible at the front of the nave. The Antiphonal
 Organ is mounted high on the back wall of the nave.

Specification			
<i>Stop</i>		<i>Feet</i>	<i>Pipes</i>
Grand Orgue (II)			
1. Violonbasse	(extension of No. 3,)	16	12
2. Montre	(70% tin)	8	61
3. Violon	(70% tin)	8	61
4. Flûte à cheminée	(15% tin)	8	61
5. Flûte harmonique	(1-12 from No. 4)	8	49
6. Prestant	(70% tin)	4	61
7. Flûte ouverte	(50% tin)	4	61
8. Quinte majeure	(G ¹ 12, C ³ 5, 70% tin)	2-2/3	61
9. Doublette	(70% tin)	2	61
10. Cornet III	(50% tin)	2-2/3	183
11. Fourniture IV	(70% tin)	1-1/3	244
12. Bombarde	(half-length, extension of No. 13)	16	12
13. Trompette	(50% tin)	8	61
Tremblant	(affecting stops nos. 3, 4, 5, 7 and 10)		
Grand Orgue Unison Off			
Chimes	(existing chimes with new mechanism)		
MIDI			
14. Tuba Mirabilis	(Choeur)		
15. Tuba Clairon	(Choeur)		
Récit (III)			
16. Bourdon doux	(wood, extension of No. 18)	16	12
17. Diapason	(50% tin)	8	61
18. Flûte majeure	(1-12 wood)	8	61
19. Viole de gambe	(slotted, 50% tin)	8	61
20. Voix céleste	(GG, slotted, 50% tin)	8	54
21. Octave	(50% tin)	4	61

Récit (continued)

22. Flûte à fuseau	(50% tin)	4	61
23. Nazard	(50% tin)	2-2/3	61
24. Quarte de nazard	(50% tin)	2	61
25. Tierce	(50% tin)	1-3/5	61
26. Plein jeu III-IV	(50% tin)	2	232
27. Basson	(half-length, extension of No. 29)	16	12
28. Trompette harmonique	(50% tin from C ²)	8	61
29. Hautbois	(50% tin from C ²)	8	61
30. Clairon harmonique	(50% tin)	4	61
Tremblant			
Récit 16'			
Récit Unison Off			
Récit 4'			
MIDI			

Choeur (I)

31. Principal étroit	(50% tin from C ²)	8	61
32. Voce Umana	(TC, 50% tin)	8	49
33. Bourdon à cheminée	(wood)	8	61
34. Flûte majeure	(Récit)	8	--
35. Flûte douce	(1-12 stopped, 50% tin)	8	61
36. Flûte céleste	(TC, 50% tin)	8	49
37. Principal	(50% tin)	4	61
38. Flûte octavante	(50% tin)	4	61
39. Principal	(50% tin)	2	61
40. Larigot	(50% tin)	1-1/3	61
41. Piccolo	(50% tin)	1	61
42. Cymbale III	(50% tin)	2/3	183
43. Douçaine	(extension of No. 44)	16	12
44. Clarinette	(50% tin)	8	61
45. Voix humaine	(50% tin)	8	61
46. Cor anglais	(50% tin)	4	61

Tremblant

Choeur 16'

Choeur Unison Off

Choeur 4'

Carillon

(console preparation)

MIDI

* 47. Tuba Magna	(TC, from No. 48)	16	--
* 48. Tuba Mirabilis	(high pressure)	8	61
* 49. Tuba Clairon	(extension of No. 48)	4	12

* Stops marked thus are not affected by couplers.

Antiphonal (floating)			
50. Bourdon	<i>(50% tin, extension of No. 52)</i>	16	12
51. Montre	<i>(50% tin)</i>	8	61
52. Bourdon	<i>(50% tin)</i>	8	61
53. Prestant	<i>(50% tin)</i>	4	61
54. Flûte conique	<i>(50% tin)</i>	4	61
55. Principal	<i>(50% tin)</i>	2	61
56. Mixture II-IV	<i>(50% tin)</i>	1-1/3	184

Antiphonal Pédale			
57. Bourdon	<i>(From No. 50)</i>	16	--
58. Bourdon	<i>(From No. 52)</i>	8	--

Chamade (floating)			
59. Bombarde-en-chamade	<i>(TC, from No. 60)</i>	16	--
60. Trompette-en-chamade	<i>(polished copper, flared bells)</i>	8	61
61. Clairon-en-chamade	<i>(extension of No. 60)</i>	4	12

Pédale			
62. Basse acoustique	<i>(from No. 65)</i>	32	--
63. Contrebasse	<i>(open wood, extension of No. 67)</i>	16	12
64. Violonbasse	<i>(Grand Orgue)</i>	16	--
65. Soubasse	<i>(wood, stopped)</i>	16	32
66. Bourdon doux	<i>(Récit)</i>	16	--
67. Octavebasse	<i>(70% tin)</i>	8	32
68. Flûte à cheminée	<i>(Grand Orgue)</i>	8	--
69. Flûte majeure	<i>(Récit)</i>	8	--
70. Octave	<i>(50% tin)</i>	4	32
71. Flûte ouverte	<i>(Grand Orgue)</i>	4	--
72. Théorbe III	<i>(derived, 10-2/3', 6-2/5', 4-4/7')</i>	10-2/3	--
73. Mixture V	<i>(50% tin)</i>	2-2/3	160
74. Contre trombone	<i>(half-length, extension of No. 75)</i>	32	12
75. Trombone	<i>(full-length)</i>	16	32
76. Bombarde	<i>(Grand Orgue)</i>	16	--
77. Basson	<i>(Récit)</i>	16	--
78. Douçaine	<i>(Choeur)</i>	16	--
79. Trompette	<i>(extension of No. 75)</i>	8	12
80. Trompette	<i>(Grand Orgue)</i>	8	--
81. Tuba Mirabilis	<i>(Choeur)</i>	8	--

	Pédale (continued)		
82. Clarinette	(Choeur)	8	--
83. Tuba Clairon	(Choeur)	4	--
84. Hautbois	(Récit)	4	--
MIDI			
Chimes	(Grand Orgue)		

Couplers

Grand Orgue / Pédale	8	4
Récit / Pédale	8	4
Chœur / Pédale	8	4
Antiphonal / Pédale	8	
Chamade / Pédale	8	
Récit / Grand Orgue	16	8 4
Choeur / Grand Orgue	16	8 4
Antiphonal / Grand Orgue	8	
Chamade / Grand Orgue	8	
Récit / Choeur	16	8 4
Antiphonal / Choeur	8	
Chamade / Choeur	8	
Antiphonal / Récit	8	
Chamade / Récit	8	
Chœur-Grand Orgue transfer		
Antiphonal OFF		
Chamade OFF		

Combination Action

Type: Capture system

Memory Levels:128

<i>Department</i>	<i>Thumb</i>	<i>Toe</i>
Grand Orgue	8	
Récit	8	
Choeur	8	
Antiphonal	4	
Chamade	2	
Pédale	8	8
General	10	10
General Cancel		
Adjuster		

Balanced Pedals

Récit Expression

Choeur Expression

Crescendo on all stops and couplers (programmable)

Reversible Pistons

Grand Orgue / Pédale	Thumb & Toe
Récit / Pédale	Thumb & Toe
Chœur / Pédale	Thumb & Toe
Antiphonal / Pédale	Thumb & Toe
Récit / Grand Orgue	Thumb
Choeur / Grand Orgue	Thumb
Antiphonal / Grand Orgue	Thumb
Récit / Choeur	Thumb
Antiphonal Off	Thumb & Toe
Chamade Off	Thumb & Toe
Basse acoustique 32'	Toe
Contre Bombarde 32'	Toe
Clochettes	Toe
Tutti	Thumb & Toe

Analysis ¹

Division	Registers	Stops	Ranks	Pipes
Grand Orgue	15	11	16	988
Récit	15	13	16	981
Choeur	19	15	17	1037
Antiphonal	9	6	9	501
Chamade	3	1	1	73
Pédale	23	5	9	324
Total	84	51	68	3904

Notes

The information found in this document comes from the original contract located in the archives of Casavant Frères in Saint-Hyacinthe, Québec.

The initial installation of the organ in 1993 included the complete Grand Orgue, Récit, and Pédale divisions along with the Tuba in the Choeur. The instrument was completed in 1997.

¹ The term "Registers" refers to the total number of speaking stops including duplexed and extended stops but excluding couplers, tremulants and controls. "Stops" refers to the total number of independent or straight stops excluding duplexed and extended stops as well as couplers and controls.



Main Organ



Antiphonal Organ

Photographs: Casavant Frères Archives