

Cathedral Basilica of the Sacred Heart • Newark, New Jersey

SCHANTZ ORGAN CO. Built in 1953-1954 • Rebuilt with tonal alterations in 1989-1990
154 ranks - 193 stops - 9,513 pipes

SPECIFICATIONS OF THE GALLERY ORGAN

GREAT

(61 - note chest)

1. 16 Montre
2. 8 First Diapason
3. 8 Second Diapason
4. 8 Flûte Harmonique
5. 8 Bourdon*
6. 8 Viola da Gamba
7. 8 Gemshorn
8. 4 First Octave
9. 4 Second Octave
10. 4 Flûte Octavante
11. 2 2/3 Twelfth
12. 2 Fifteenth
13. 1 3/5 Seventeenth
14. IV Fourniture (19-22-26-29)
15. III Scharf (26-29-33)
16. 8 Trumpet
17. 4 Clarion
18. Chimes (Solo)
19. Gallery Great 4
20. Unison Off

SWELL

(73 - note chests, enclosed)

1. 16 Flûte Conique
2. 8 Open Diapason
3. 8 Gedackt*
4. 8 Salicional*
5. 8 Voix Céleste* (GG)
6. 8 Spitzflöte*
7. 8 Spitzflöte Céleste* (TC)
8. 4 Geigen Octave
9. 4 Fugara
10. 4 Hohlflöte
11. 2 Octavin
12. II Sesquialtera
13. IV Plein Jeu (19-22-26-29)
14. III Cymbal (29-33-36)
15. 16 Petite Bombarde
16. 8 Trompette
17. 8 Hautbois
18. 8 Voix Humaine
19. 4 Clairon
20. Tremolo
21. Gallery Swell 16
22. Gallery Swell 4
23. Unison Off

SOLO

(73 - note chests, enclosed)

1. 16 Contra Gamba
2. 8 Principal
3. 8 Doppelflöte*
4. 8 Gross Gamba
5. 8 Gamba Céleste (GG)
6. 4 Major Octave
7. 4 Flûte Ouverte*
8. 2 Doublette
9. V Grand Fourniture (15-19-22-26-29)
10. 16 Ophicleide
11. 8 Tuba
12. 8 Trompette Militaire
13. 8 Corno di Bassetto
14. 8 French Horn
15. 8 Cor Anglais
16. 4 Tuba Clarion (ext. #11)
17. Chimes (Deagen "A")
18. Solo 16
19. Solo 4
20. Unison Off
21. 8 Trumpette en Chamade (Chancel)

CHOIR

(73 - note chests, enclosed)

1. 16 Quintatön
2. 8 Geigen Principal
3. 8 Rohrflöte
4. 8 Quintatön (#1)
5. 8 Viola
6. 8 Viola Céleste (GG)
7. 8 Dolce
8. 8 Dolce Céleste (TC)
9. 4 Octave
10. 4 Nacthorn
11. 4 Flute d' Amour
12. 2 2/3 Rohr Nasat
13. 2 Piccolo
14. 1 3/5 Terz
15. 1 1/3 Larigot
16. III Mixture (22-26-29)
17. 8 Petite Trompette
18. 8 Cromorne
19. 8 Celesta (Deagen 49 bars)
20. Gallery Choir 16
21. Gallery Choir 4
22. Unison Off

PEDAL

1. 32 Double Open Wood **
2. 32 Contra Bourdon **
3. 16 Open Wood
4. 16 Principal
5. 16 Bourdon
6. 16 Echo Lieblich
7. 16 Flûte Conique (Sw)
8. 16 Quintatön (Ch)
9. 16 Contra Gamba (Solo)
10. 16 Gemshorn (Gt)
11. 16 Contra Dulciana
12. 10 2/3 Gross Quint
13. 8 Octave
14. 8 Bourdon (ext. #5)
15. 8 Lieblich Gedackt (ext. #6)
16. 8 Cello
17. 8 Gemshorn (Gt)
18. 8 Dulciana (ext. #11)
19. 5 1/3 Octave Quint (ext. #12) 3
20. 4 Super Octave
21. 4 Flute (ext. #2)
22. 4 Flûte Conique (Sw.)
23. III Fourniture (8-12-15)
24. IV Cymbal (15-19-22-26)
25. 32 **Contra Posaune**
26. 16 **Posaune (ext #25)**
27. 16 **Ophicleide (Solo)**
28. 16 **Petite Bombarde (Sw)**
29. 8 **Tromba (ext. #25)**
30. 8 **Petite Bombarde (Sw.)**
31. 4 **Clarion (ext. #25)**
32. 4 **Zink**

REVERSIBLES

- (piston and toe stud, unless otherwise indicated)
- Great to Pedal
 - Swell to Pedal
 - Choir to Pedal
 - Solo to Pedal (piston)
 - Contra Bourdon 32
 - Contra Posaune 32
 - Tutti I
 - Tutti II
 - Tremolos off (piston)
 - Master Expression (tilt-tab, piston, toe stud)
 - Manual 16s Off (piston)
 - Gallery Organ On (piston, tilt-tab)
 - Chancel Organ On (piston, tilt-tab)
 - Combination Setter Button (piston)
 - Solo tremolo
 - Choir tremolo
 - Chancel Choir tremolo

COUPLERS

1. Great to Pedal 8
2. Swell to Pedal 8
3. Choir to Pedal 8
4. Solo to Pedal 8
5. Great to Pedal 4
6. Swell to Pedal 4
7. Choir to Pedal 4
8. Solo to Pedal 4
9. Swell to Great 16
10. Swell to Great 8
11. Swell to Great 4
12. Choir to Great 16
13. Choir to Great 8
14. Choir to Great 4
15. Solo to Great 16
16. Solo to Great 8
17. Solo to Great 4
18. Swell to Choir 16
19. Swell to Choir 8
20. Swell to Choir 4
21. Solo to Choir 8
22. Great to Solo 8
23. Swell to Solo 8
24. Swell to Solo 4
25. Choir to Solo 8

CANCELS

- General Cancel Piston
- Cancel Bars for each division
- Coupler cancel piston
- Chancel Console Off piston disengages controls on the Chancel console

ACCESSORIES

- Close-circuit TV
- Control Panel for Tower Bells
- Lighted Music desk
- Lighted Pedalboard
- Combination lock-out

COMBINATION SYSTEM

- General 1-12
- Great 1-8
- Swell 1-8
- Choir 1-8
- Solo: 1-6
- Pedal: 1-8
- Crescendo pedal
- Programmable Tutti I. II
- Petersen - 8 levels of memory

WIND PRESSURE

- 2 Flues - 41" throughout except Solo at 6"
- Reeds - 6" throughout except Solo and Pedal at 10"
- Trompette Militaire - 18"

The Gallery console of 4 manuals is original to the organ. It controls both the Gallery and Chancel organs. In addition to the tonal work done by Burton Tidwell, Tonal Director at Schantz in 1990, other refinements and revoicing have been done by James Konzelman of Hoboken, NJ. The Konzelman work is indicated by (*) in the specification. The two digital stops in the gallery pedal division affect the bottom 12 notes and are indicated by (**).