

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 CHANCEL ORGAN

GREAT

(61 - note chests)

1. 16 Gemshorn
2. 8 Open Diapason
3. 8 Bourdon*
4. 8 Gemshorn (ext. #1)
5. 4 Octave
6. 4 Harmonic Flute
7. 2 2/3 Octave Quint
8. 2 Super Octave
9. IV Mixture (15-19-22-26)
10. 8 Trumpet
11. Chancel Great 16
12. Chancel Great 4
13. Unison Off
14. 8 Trompette en Chamade

SWELL

(73 - note chests, enclosed)

1. 16 Rohr Bordun
2. 8 Diapason
3. 8 Rohrflöte (ext. #1)
4. 8 Salicional
5. 8 Voix Céleste (GG)
6. 4 Octave
7. 4 Flûte Ouverte
8. 2 Waldflöte
9. IV Mixture (19-22-26-29)
10. 16 Fagotto
11. 8 Trompette
12. 8 Oboe (ext. #10)
13. 8 Vox Humana
14. 4 Clairon
15. Tremolo
16. Chancel Swell 16
17. Chancel Swell 4
18. Unison Off
19. 8 Trompette en Chamade

CHOIR

(73 - note chests, enclosed)

1. 16 Quintatön
2. 8 Geigen Diapason
3. 8 Concert Flute
4. 8 Quintatön (#1)
5. 8 Dulciana
6. 8 Unda Maris (GG)
7. 4 Geigen Octave
8. 4 Koppelflöte*
9. 2 1/3 Nazard
10. 2 Fifteenth
11. 2 Harmonic Piccolo
12. 1 3/5 Tierce
13. III Mixture (22-26-29)
14. 8 Clarinet
15. 8 Bombarde
16. Tremolo
17. Chancel Choir 16
18. Chancel Choir 4
19. Unison Off
20. 8 Trompette en Chamade

PEDAL

1. 32 Resultant (ext. #3)
2. 16 Open Diapason
3. 16 Subbass
4. 16 Rohr Bordun (Sw.)
5. 16 Quintatön (Ch.)
6. 16 Gemshorn (Gt.)
7. 8 Octave
8. 8 Major Flute (ext. #3)
9. 8 Rohrflöte (Sw.)
10. 8 Gemshorn (Gt.)
11. 4 Super Octave (ext. #7)
12. 4 Flute (ext. #3)
13. IV Mixture (12-15-19-22)
14. 32 Cornet des Bombardes VIII (#15)
15. 16 Bombarde (Ch.)
16. 16 Fagotto (Sw.)
17. 8 Bombarde (Ch.)
18. 8 Oboe (Sw.)
19. 4 Clarion (Ch.)
20. 8 Trompette en Chamade

COUPLERS

1. Chancel Great to Pedal 8
2. Gallery Great to Pedal 8
3. Chancel Swell to Pedal 8
4. Gallery Swell to Pedal 8
5. Chancel Choir to Pedal 8
6. Gallery Choir to Pedal 8
7. Solo to Pedal 8
8. Chancel Great to Pedal 4
9. Gallery Great to Pedal 4
10. Chancel Swell to Pedal 4
11. Gallery Swell to Pedal 4
12. Chancel Choir to Pedal 4
13. Gallery Choir to Pedal 4
14. Solo to Pedal 4
15. Chancel Swell to Great 16
16. Gallery Swell to Great 16
17. Chancel Swell to Great 8
18. Gallery Swell to Great 8
19. Chancel Swell to Great 4
20. Gallery Swell to Great 4
21. Chancel Choir to Great 16
22. Gallery Choir to Great 16
23. Chancel Choir to Great 8
24. Gallery Choir to Great 8
25. Chancel Choir to Great 4
26. Gallery Choir to Great 4
27. Solo to Great 16
28. Solo to Great 8
29. Solo to Great 4
30. Chancel Swell to Choir 16
31. Gallery Swell to Choir 16
32. Chancel Swell to Choir 8
33. Gallery Swell to Choir 8
34. Chancel Swell to Choir 4
35. Gallery Swell to Choir 4
36. Solo to Choir 8
37. Chancel Choir to Swell 8
38. Gallery Choir to Swell 8
39. Solo to Swell 8
40. Gallery Great to Solo 8
41. Gallery Swell to Solo 8
42. Gallery Swell to Solo 4
43. Gallery Choir to Solo 8
44. Gallery Choir to Solo 4

WIND PRESSURE

Flues - 4 1/2"

Reeds - 6" throughout except Pedal at 10"

Trompette en Chamade - 25"

CANCELS

General Cancel Piston

Cancel Bars for each division

Gallery Console Off - disengages all

controls of the Gallery console. (A

Chancel Console Off piston on the

rebuilt Gallery console disengages all

the controls on the Chancel console)

REVERSIBLES

(piston and toe stud, unless otherwise indicated)

Chancel Great to Pedal

Gallery Great to Pedal

Chancel Swell to Pedal

Gallery Swell to Pedal

Chancel Choir to Pedal

Gallery Choir to Pedal

Solo to Pedal

Contra Bourdon 32

Resultant 32

Cornet des Bombardes 32

Double Open Wood 32

Contra Posaune 32

Tutti I

Tutti II

Tutti III

Tutti IV

All Swells to Expression Shoe II

Manual 16s Off (piston)

Pedal 32s Off (toe Stud)

Pedal Couplers on Pedal Pistons (piston)

Chancel Swell Transept Shades (piston)

Zimblestern (piston)

Portative on Swell (piston)

Portative on Choir (piston)

Gallery Organ On (piston)

Chancel Organ On (piston)

Both Organs On (piston)

Combination Setter Button (piston)

SHADE COUPLERS

Each of the five enclosed divisions may be assigned to any one of the three expression shoes by means of selector buttons.

TRANSFERS

Chancel Great on Solo (off Gt.)

Chancel Swell on Solo (off Sw.)

Chancel Choir on Solo (off Ch.)

Solo Off Man. IV

Great/Choir Transfer (affects keys, pistons and divisional couplers)

COMBINATION SYSTEM

PETERSON ICS-4000 (added 2006)

General 1-20

Great (Gal. & Chan.) 1-12

Swell (Gal. & Chan.) 1-12

Choir (Gal. & Chan.) 1-12

Solo: 1-12

Pedal: 1-12

Coupler: 1-6

Programmable Tutti I.II.III.IV

Programmable Crescendo I.II.III.IV

Sequence piston, MIDI playback

256 levels of memory - chancel

8 levels of memory - gallery

ACCESSORIES

Adjustable bench

Close-circuit TV

Control Panel for Tower Bells

Digital Clock

Lighted Music desk

Lighted Pedalboard

Multi - level crescendo indicator lights

Utility Drawer

The 4 manual chancel console was built by Schantz in 1989 to a designs by David Fedor. it includes additional couplers and cut-outs, giving the organist additional flexibility. 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.