



RADLEY COLLEGE ORGAN SPECIFICATION

Nicholson & Co., Malvern, 2021

PEDAL ORGAN (C to f ¹)		Feet	Pipes	Remarks
1.	Contra Bass <i>ext from 5</i>	32	12	wood, stopped
2.	Resultant Bass	32	-	C1-B12 from 3 at pitch with quint from 5; C13-F30 from 3 -8ve.
3.	Open Wood	16	30	wood, open
4.	Open Diapason <i>from 30</i>	16	-	
5.	Sub Bass	16	30	wood, stopped; existing Telford rank
6.	Quint <i>ext from 5</i>	10 ² / ₃	7	wood, stopped
7.	Octave Wood <i>ext from 3</i>	8	12	wood, open
8.	Principal	8	30	spotted metal
9.	Bass Flute <i>ext from 5</i>	8	5	wood, stopped
10.	Fifteenth <i>ext from 8</i>	4	12	spotted metal
11.	Flute <i>ext from 5</i>	4	12	wood, stopped
12.	Mixture 19.22	II	60	spotted metal
13.	Contra Posaune <i>ext from 15</i>	32	12	zinc, C1-F7 half-length
14.	Harmonics	32	-	drawn from 3 and 5
15.	Posaune	16	30	zinc bass, spotted metal treble
16.	Double Trumpet <i>from 50</i>	16	-	
17.	Fagotto	16	30	zinc bass, spotted metal treble
18.	Clarion <i>ext from 15</i>	8	12	spotted metal

Choir to Pedal Great to Pedal Swell to Pedal

CHOIR ORGAN (C to a ³)		Feet	Pipes	Remarks
19.	Bourdon	8	58	C1-B12 stopped, pine; C13-A58 canistered metal
20.	Salicional	8	58	zinc bass, spotted metal treble,
21.	Principal	4	58	spotted metal
22.	Spire Flute	4	58	plain metal, tapered
23.	Nazard	2 ² / ₃	58	plain metal
24.	Octave	2	58	spotted metal
25.	Recorder	2	58	plain metal
26.	Tierce	1 ³ / ₅	58	plain metal
27.	Larigot	1 ¹ / ₃	58	spotted metal
28.	Clarinet	8	58	plain metal

Tremulant

29.	Tuba Mirabilis	8	58	plain metal, heavy pressure
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Swell to Choir



GREAT ORGAN (C to a ³)		Feet	Pipes	Remarks
30.	Double Open Diapason	16	58	part in façade, spotted metal
31.	Open Diapason	8	58	part in façade, spotted metal
32.	Geigen	8	46	C1-B12 from 30; part in façade, spotted metal
33.	Clarabel Flute	8	58	wood, C1-G20 stopped, G#21-A58 open
34.	Octave	4	58	spotted metal
35.	Flute Harmonique	4	58	plain metal, harmonic treble
36.	Twelfth	2 ² / ₃	58	spotted metal
37.	Super Octave	2	58	spotted metal
38.	Seventeenth	1 ³ / ₅	58	spotted metal
39.	Furniture 19.22.26.29	IV	232	spotted metal
40.	Trumpet	8	58	zinc bass, spotted metal treble

Tremulant

Choir to Great Swell to Great

SWELL ORGAN (C to a ³)		Feet	Pipes	Remarks
41.	Bourdon	16	58	stopped wood bass, open spotted metal treble
42.	Open Diapason	8	58	zinc bass, spotted metal treble
43.	Stopped Diapason	8	58	wood, stopped
44.	Viola da Gamba	8	58	zinc bass, spotted metal treble
45.	Voix Celeste	8	49	from A10, spotted metal
46.	Gemshorn	4	58	spotted metal
47.	Nason	4	58	wood, stopped
48.	Fifteenth	2	58	spotted metal
49.	Mixture 15.19.22.26	IV	232	spotted metal
50.	Double Trumpet	16	58	zinc bass, spotted metal treble
51.	Cornoepan	8	58	zinc bass, spotted metal treble
52.	Hautboy	8	58	zinc bass, spotted metal treble
53.	Clarion	4	58	spotted metal

Tremulant



Mixture compositions

Pedal

Mixture

C1 19.22

Great

Furniture

C1 19.22.26.29

C13 15.19.22.26

C25 12.15.19.22

C37 8.12.15.19

C49 1.8.12.15

Swell

Mixture

C1 15.19.22.29

F#19 12.15.19.22

F#31 8.12.15.19

D#52 1.8.12.15

Wind pressures

Pedal Organ flues and Fagotto	130mm
Pedal Organ Posaunes	200mm
Choir Organ flues and Clarinet	102mm
Choir Organ Tuba Mirabilis	380mm
Great Organ	115mm
Swell Organ	115mm

Actions

Manuals and couplers: mechanical (except façade pipes and Tuba Mirabilis, which will be electro-pneumatic)

Pedals: electro-pneumatic

Sliders: electric solenoid



Accessories

Balanced expression pedal to Swell Organ (mechanical connection)

8 divisional toe pistons to Pedal Organ

8 divisional thumb pistons each to Choir and Great Organs

8 divisional toe and thumb pistons to Swell Organ

8 general thumb pistons

16 divisional and 9,990 general piston memory levels, accessed on 10 libraries

Reversible thumb pistons: *Choir to Pedal, Great to Pedal, Swell to Pedal, Swell to Choir,
Choir to Great, Swell to Great, Contra Bass*

Reversible toe pistons: *Great to Pedal, Choir to Great, Contra Bass, Contra Posaune*

Combination couplers: *Great and Pedal pistons, Generals on Swell toe pistons*

Setter thumb piston

General cancel thumb piston

Stepper on/off switch

4 stepper advance thumb pistons

2 stepper reverse thumb pistons

Stepper reverse toe piston

Stepper advance toe piston

iPad page-turn advance thumb piston

iPad page-turn reverse thumb piston



NICHOLSON & Co.

