

PIPE SCALE DETAILS

JOB: ST. PAUL'S CHURCH, NORFOLK VIRGINIA

PITCH: A 440 @ °C

DEPARTMENT: Great Organ

DATE: 17th November 2005

TUNING METHOD: Slides Cone & Slot

PRESSURE: 75mm

MANDER ORGANS

INITIALS: JPM

TEMPERAMENT: ET

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C ¹	C ¹³	C ²⁵	C ³⁷	C ⁴⁹	C ⁶¹	Remarks
1a	Double Diapason	16	1-24	Wood			140 x 111	88 x 70					Stopped Wood Scale 34
1b	Double Diapason	16	25-61	56%	small 25-48	4			72	42.5	25.5	16	
2	Open Diapason	8	61	75%	small 1-36	4	150	92	55	32.5	19.5	12	Part fronts, details from D.O.
3	Stopped Diapason	8	61	Wood			110 x 88	70 x 55.5	44 x 35	27.5 x 22	17.5 x 14	11 x 8.7	Stopped Wood No. 40
4	Dulciana	8	13-61	56%	13-42	4.5		65	40	24.5	15	9.5	1-12 common to 3
5	Principal	4	61	56%	small 1-24	4	88	53	32	19	12	7.5	
6	Twelfth	2 ² / ₃	61	56%	small 1-18	4.5	59	35	21	13	7.5	5	
7	Fifteenth	2	61	56%	small 1-12	4	52	31.5	19	11.5	7	4.5	
8	Furniture IV 1-8: 1 ¹ / ₃ .1. ² / ₃ . ¹ / ₂ 9-18: 2.1 ¹ / ₃ .1. ² / ₃ 19-30: 2 ² / ₃ .2.1 ¹ / ₃ .1 31-42: 4.2 ² / ₃ .2.1 ¹ / ₃ 43-61: 8.4.2 ² / ₃ .2.	1 ¹ / ₃	244	56%	none	4	(2' 45)	1' 28.5	¹ / ₂ ' 18	¹ / ₄ ' 11.5	¹ / ₈ ' 7	¹ / ₁₆ ' 4.5	
9	Trumpet	8	61	56%			120	92	71	54	45	G=40	Shallots NPM Scale No. 13 (domed) 57-61flue pipes scaled as Open Diapason 8

DEPARTMENT: Swell Organ

PRESSURE: 80mm

JOB: Norfolk Virginia

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C ¹	C ¹³	C ²⁵	C ³⁷	C ⁴⁹	C ⁶¹	Remarks
10	Gedackt	8	61	35%	1-42	4.5	120	80	53	36	24.5	14.5	1-6 with stays. 1-56 stopped, domed canisters. 57-61 open, upper \emptyset $\frac{1}{2}$ scale
11	Salicional	8	13-61	56%	13-48	4		65	42	27	17.5	11	Parallel, slotted (1-12 common to 10)
12	Celeste TC	8	13-61	56%	13-48	4		51	33	20.5	14	9	Parallel slotted, tuned flat
13	Principal	4	61	56%	1-24	4	97	52	31	19.5	11	6.5	
14	Chimney Flute	4	61	35%	1-30	4	69	45	29	19	12	8	1-6 stopped, 7-44 internal chimneys $\frac{1}{4}\emptyset$ L=1.5 \emptyset 45-61 open, upper \emptyset $\frac{1}{2}$ scale
15	Fifteenth	2	61	56%	1-12	4	50	31	19	11.5	7	4.5	
16	Sesquialtera II 1-56: $2\frac{2}{3}.1\frac{3}{5}$ 57-61: $2\frac{2}{3}.3\frac{1}{5}$	$2\frac{2}{3}$	122	56%	to 1'	4	$2'23$ 56 $2'46$	1' 28.5	1/2' 18	1/4' 11.5	1/8' 7	1/16' 4.5	Top notes of tierce break back an 8ve
17	Mixture III 1-12: $1.\frac{2}{3}.\frac{1}{2}$ 13-24: $1\frac{1}{3}.1.\frac{2}{3}$ 25-36: $2.1\frac{1}{3}.1$ 37-48: $2\frac{2}{3}.2.1\frac{1}{3}$ 49-61: $4.2\frac{2}{3}.2$	1	183	56%	none	4	1' 27	$\frac{1}{2}'$ 17	$\frac{1}{4}'$ 11	$\frac{1}{8}'$ 7	$\frac{1}{16}'$ 4.5		
18	Hautbois	8	61	56%			70	66	47	39	34	G=27	Scale details as St. John's Cor Anglais. Domed shallots scale no. 13. 57-61 flue pipes scaled as Swell Salicional

