

PIPE SCALE DETAILS

MANDER ORGANS

JOB: Peachtree Road United Methodist Church

FINAL (revised 31/08/00 & 18.01.01)

DEPARTMENT: Great Organ

DATE: 22nd December 1999 INITIALS: JP

PRESSURE: 90/100*mm PITCH: A = 440 at

TUNING: cone & slot

TEMPERAMENT: ET

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	C37	C49	C61	Remarks
1	Double Open Diapason	16	61	75%	1-48	4	220	139	83	49	30	17	Fronts 1-28 details from D.O.
2	Open Diapason I	8	61	75%	1-36	4	165	98	58	35	20	13	Fronts 1-9 details from D.O.
3	Open Diapason II	8	61	75%	1-36	4	152	89	53	31	18	11.5	Fronts 1-27 details from D.O.
4	Stopped Diapason	8	61	QP			115x 91.5	72.5x 57.5	45.5x 36.5	29x 23	18x 14.5	11.5x 9	Stopped Wood No. 39
5	Harmonic Flute	8	61	56%	1-36	4	130	92	61	43	29.5	20	1-6 Stopped metal with stays not racks. Harm.fr.C37
6	Cone Gamba	8	61	56%	1-48	4	110	85/56.5	50/33.5	30/20	18/12	11/7.5	1-5 parallel, tapered, upper Ø 2/3rds scale by c13
7	Principal	4	61	56%	1-24	4	90	54	32	19	11.5	7	
8	Octave	4	61	56%	1-24	4	95	57	35	20	13	8	
9	Open Flute	4	61	35%	1-18 19-30	4.5	87	58 f18=50 f#19= 53/35	42.5/28	28.5/19	19/12.5	12.5/8.5	1-18 canisters 19-61 tapered, upper Ø 2/3rds scale
10	Twelfth	2 ² / ₃	61	56%	1-18	4	59	37.5	23.5	15	9.5	6	
11	Fifteenth	2	61	56%	1-12	4	52	32.5	20	12	7.5	5	
12	Seventeenth	1 ³ / ₅	61	56%	1-8	4	42	27	17	9.5	6	g ⁵⁶ =5	57-61 @ 3 ¹ / ₅ ' pitch
13	Mounted Cornet III 20-56: 2 ² / ₃ .2.1 ³ / ₅	2 ² / ₃	111	35%	none	4.5	(1' 40)	½' 25	¼' 16	⅛' 10	(⅛' 7)		(mounted in front)

14	Fourniture V 1-6: 2.1 ¹ / ₃ .1. ² / ₃ . ¹ / ₂ 7-18: 2 ² / ₃ .2.1 ¹ / ₃ .1. ² / ₃ 19-30: 4.2 ² / ₃ .2.1 ¹ / ₃ .1 31-42: 8.4.2 ² / ₃ .2.1 ¹ / ₃ 43-61: 8.5 ¹ / ₃ .4.2 ² / ₃ .2	2	305	56%	to 1'	4	2' 49	1' 30	¹ / ₂ ' 18	¹ / ₄ ' 11	¹ / ₈ ' 6.5	¹ / ₁₆ ' 4.5	
15	Cymbal IV 1-12: ² / ₃ . ¹ / ₂ . ¹ / ₃ . ¹ / ₄ 13-24: 1. ² / ₃ . ¹ / ₂ . ¹ / ₃ 25-30: 1 ¹ / ₃ .1. ² / ₃ . ¹ / ₂ 31-36: 2.1 ¹ / ₃ .1. ² / ₃ 37-42: 2 ² / ₃ .2.1 ¹ / ₃ .1 43-54: 4.2 ² / ₃ .2.1 ¹ / ₃ 55-61: 4.2 ² / ₃ .2.2	² / ₃	244	56%	none	4	(1' 30)	¹ / ₂ ' 18	¹ / ₄ ' 11	¹ / ₈ ' 6.5	¹ / ₁₆ ' 4.5		
16	Trombone*	16	61	56%			140	114	90	68	58.5	49	Posaune shallots Scale no. 12 1-12 half length same scale
17	Trumpet*	8	66	56%			127	99	80	63.5	52	g 45	Posaune shallots Scale no. 12 57-61 flues 8'+4' scale as Octave 4'
18	Clarion*	4	78	56%			99	80	63.5	52	g 45		Posaune shallots Scale no. 12 45-61 flues 4'+2' scale as Octave 4'

DEPARTMENT: Swell Organ

PRESSURE: 90/100*mm

Peachtree Road UMC

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	C37	C49	C61	Remarks
19	Bourdon	16	61	QP			150x 120	95x 75.5	60x 47.5	37.5x 30	24x 19	15x 12	Stopped Wood scale No. 32
20	Open Diapason	8	61	56%	1-36	4	140	84	50.5	30.5	18	11	
21	Gedackt	8	61	35	1-42	4.5	115	78	53	36	24.5	16.5	49-61 open, upper Ø= 2/3rds scale
22	Salicional	8	61	56%	1-42	4	90	60	37.5	22.5	14	9	
23	Voix Celeste	8	61	56%	7-42	4	87	58	36	22	13.5	8.5	
24	Flauto Dolce	8	61	35%	beards 1-12, ears 13-48	6	88	65	45	25	12	7.5	Upper Ø= 2/3rds scale 1-18 2/3 slots 19-36 1/2 slots 37-48 1/3 slots
25	Unda Maris	8	13-61	35%	13-48 (i.e. from ten c)	6		65	45	25	12	7.5	Upper Ø= 2/3rds scale 13-18 2/3 slots 19-36 1/2 slots 37-48 1/3 slots
26	Principal	4	61	56	1-24	4	91	53.5	32	19	11.5	6.5	
27a	Wald Flute (wood)	4	1-48	QP	none		78.5x 62.5 b=51.5 x41	49x36	31x 23.5	20x16 b=13.5 x11			1-12 Stopped Wood No. 49 13-48 Open Flute No. 9
27b	Wald Flute (metal)	4	49-61	35%	none	4.5					13.5	8	
28	Fifteenth	2	61	56	1-12	4	51	31.5	19.5	11.5	7	4.5	
29a	Flageolet (wood)	2	1-36	QP			49x36	31x 23.5	20x16 b=13.5 x11				Open Flute No. 9
29b	Flageolet (metal)		37-61	35%	none	4.5					13.5	8	5.5
30	Sesquialtera III 1-56: 2 ² / ₃ .2.1 ³ / ₅ 57-61: 2 ² / ₃ .2.3 ¹ / ₅	2 ² / ₃	183	56%	to 1'	4	2 ² / ₃ ' 62 2' 50	1' 33	1/2' 20	1/4' 12	1/8' 7.5	1/16' 5	

31	Plein Jeu IV 1-6: $1\frac{1}{3}.1.\frac{2}{3}.\frac{1}{2}$ 7-18: $2.1\frac{1}{3}.1.\frac{2}{3}$ 19-30: $2\frac{2}{3}.2.1\frac{1}{3}.1$ 31-42: $4.2\frac{2}{3}.2.1\frac{1}{3}$ 43-61: $8.4.2\frac{2}{3}.2$	$1\frac{1}{3}$	244	56%	to 1'	4	(2' 45)	1' 28.5	$\frac{1}{2}' 18$	$\frac{1}{4}' 11.5$	$\frac{1}{8}' 7$	$\frac{1}{16}' 4.5$	
32	Contra Fagotto*	16	61	56%			133 b=105	108	84	63	44	38	1-12 half length Square shallots scale no. 1
33	Harmonic Trumpet*	8	66	56%			120	91	70 b 54	74	57	g 50	Harm from 37 57-61 flues 8+4 scales as Gt. Octave Square shallots scale no. 1
34	Hautbois	8	61	56%			73 B = 52	66	51	40	33	g=30	57-61 flues scaled as Salic. 8 Scale details as St. Agnes. Shallots scale no. 1
35	Vox Humana	8	61	56			41	37	34	31	28	g 27	Solid tops with slots 57-61 flues as Salic.8 Square shallots scale no. 2
36	Harmonic Clarion*	4	78	56%			91	70 b54	74	57	g 50		Harm from 25 45-61 flues 4+2 scales as Gt. Octave Square shallots scale no. 1

DEPARTMENT: Choir Organ

PRESSURE: 85mm

Peachtree Road UMC

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	C37	C49	C61	Remarks
37	Open Diapason	8	7-61	75%	1-36	4	139	83	49	29	17	11	1-6 from 39, no helpers
38a	Chimney Flute Basses	8	1-12	QP			107x85						Stopped Wood Scale No. 41
38	Chimney Flute	8	13-61	35%	13-42	4		80	48	29	19	12.5	13-56 internal chimneys 1/4Ø, l=1.5Ø 49-61 open tapered upper Ø 2/3 scale
39	Viola Pomposa	8	61	56%	1-48	4	115	71	44	25	15.5	9	Parallel, slotted
40	Viola Celeste	8	7-61	56%	7-48	4	F#=84	65.5	40.5	23	14	8	Parallel, slotted
41	Principal	4	61	56%	1-24	4	83	49	29	17	11	6	
42	Koppel Flute	4	61	35%	1-36	4 cone 1 top Ø	85	56 110 18	36 70 11	24 40 (35) 7 (6)	15.5	10	1-12 solid canisters 13-45 Koppel canisters 46-61 tapered 1/2 watch body lengths
43	Nazard	2 2/3	61	35%	1-24	4.5	70.5	45	28.5	18	10.5	7	
44	Fifteenth	2	61	56%	1-12	4	47	27.5	16	10.5	6	4.5	
45	Recorder	2	61	35%	1-18	4.5	58	37	23.5	15	9.5	6	Not tapered
46	Tierce	1 3/5	61	35%	1-14	4.5	50.5	32	20	13	8	6	55-61 breaks to 1 1/5'
47	Larigot	1 1/3	61	35%	1-12	4.5	45	28.5	18	10.5	10.5	7	49-61 as 2 2/3
48	Sharp Mixture IV 1-12: 1. 2/3. 1/2. 1/3 13-24: 1 1/3. 1. 2/3. 1/2 25-36: 2. 1 1/3. 1. 2/3 37-44: 2 2/3. 2. 1 1/3. 1 45-54: 4. 2 2/3. 2. 1 1/3 55-61: 8. 4. 2 2/3. 2	1	244	56%	none	4	1' 25	1/2' 15.5	1/4' 10	1/8' 6	1/16' 4.5		Revised breaks.

49	Cor Anglais	16	61	56%			70	50 f=45 f# = 82	66	47	39	34	1-18 half length to be capped during voicing. 19-61 double bell see separate detail sheet. Shallots scale no. 14 Domed "Hill"
50	Cremona	8	61	56%		scale total l cone l	50 1500 180	40.5 780 125	33 410 80	27 210 60	22 95 42	g=20 50 25	1-12 Capped Canisters 13-24 Open Canisters 57-61 flues scaled as Prin 4. Domed shallots scale no. 13

DEPARTMENT: Solo Organ

PRESSURE: 140/300†/380*mm/300

Peachtree Road UMC

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	C37	C49	C61	Remarks
51	Bombarde	16	61	56%			150	119	93	68	59	50	Shallots large domed scale no. 10
52	Bombarde	8	66	56%			127	94	77	63.5	52	g ⁵⁶ 47	57-61 flues 8'+4' scale as Gt Octave 4 Shallots large domed scale no. 10
53	Clarion	4	78	56%			94	77	63.5	52	g ⁴⁴ 47		45-61 flues 4'+2' scale as Gt Octave 4 Shallots large domed scale no. 10
54	Tuba*	8	61	56%			125	100 b=80	86	67	57	52	harm. From c25 shallots closed from stock (Scale No. NEW)
101	Tuning Rank	4	13-49	56%	13-24	4		54	32	19	11.5		
55	Chimes (existing)												Installed by others
73	Trompette Royale†	8	61	75%			90	75	60	50 B=42	45	37	Flared as Princeton (add. to scale) No:7 Shallots (beaked)

DEPARTMENT: Pedal Organ

PRESSURE: 95/110†/140*

Peachtree Road UMC

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	G32	Remarks
56	Double Open Diapason†	32	12				530x 423	(305x 244)			Wood. Open Wood scale 8 extrapolated down an 8ve + 2 notes
57	Subbass†	32	12	Pine			342x 282	(213x 176)			
58	Open Diapason	16	32	75%	1-32	4	280	167	100	75	1-32 fronts, details from D.O.
59	Open Wood†	16	32	Pine			305x 244	190x 152	120x96	93x74	Open Wood Scale 8 ADJUSTED SCALE
60	Bourdon†	16	32	Pine			213x 176	134x 111	85x70	65x54	Bourdon Scale 13
61	Lieblich Bourdon	16	32	Pine			150x 120	95x 75.5	60x47.5	45.5x 35.5	Stopped Wood Scale 32
62	Principal	8	32	75%	1-32	4	165	98	58	43	1-32 fronts details from D.O.
63	Bass Flute	8	32	QP			134x111	85x70	54x44	41x34	Bourdon Scale 25
64	Fifteenth	4	32	56%	1-32	4	95	58	35	26	
65	Open Flute	4	32	35%	1-32	4.5	101	65	41	30	
66	Mixture V 1-32: 3 1/8, 2 2/3, 2, 1 1/3, 1	3 1/5	160	56%	to 1'	4	(4' 90)	2' 53	1' 32	1/2' 19	1/4' 11 g 32 1' 8
67	Contra Bombarde*	32	12	Zinc			290	(215)			Wood shallots
68	Bombarde*	16	32	56%			215	156	115	93	Domed shallots no. 9
69	Bassoon	16	32	56%			140	112	85	71	Square shallots no. 1
70	Trumpet	8	32	56%			134	102	78	67	Domed shallots no.3
71	Clarion	4	32	56%			102	78	60	52	Domed shallots no.3
72	Schalmei	4	32	56%			90	78	68	63	Narrow, flared