

# PIPE SCALE DETAILS

**JOB:** NIGAWA FINAL

**PITCH:** A 440 @ 20°C

**DEPARTMENT:** Great Organ

**DATE:** 29 September 2004

**TUNING METHOD:** Cone & Slot

**PRESSURE:** 80mm

# MANDER ORGANS

**INITIALS:** MB

**TEMPERAMENT:** Kellner

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C <sup>1</sup>	C <sup>13</sup>	C <sup>25</sup>	C <sup>37</sup>	C <sup>49</sup>	C <sup>61</sup>	Remarks
1	Open Diapason	8	61	75%	small 1-36	4	150	90	55	34	20	13	Fronts 1-19 Details to follow from D.O.
2	Stopped Diapason	8	61	wood			115x 91.5	72.5x 57.5	45.5x 36.5	29x 23	18x 14.5	11.5x 9	Stopped Wood No. 39
3	Viola da Gamba	8	13-61	56%	13-48	4		84/56	50/33.5	30/20	18/12	11/7.5	1-12 common to 2, bearded as req.
4	Principal	4	61	56%	1-24 small	4	89	54	32	20	12	7.5	
5	Open Flute	4	61	35%	1-30	1-12 4 rem 4.5	87 B=60	62/41	42.5/28	28.5/19	19/12.5	12.5/8. 5	1-12 canisters 13-61 tapered to 2/3rds
6	Fifteenth	2	61	56%	1-12 small	4	52	31	19	11.5	7.5	5	
7	Furniture IV 1-6: 1 <sup>1</sup> / <sub>3</sub> .1. <sup>2</sup> / <sub>3</sub> . <sup>1</sup> / <sub>2</sub> 7-18: 2.1 <sup>1</sup> / <sub>3</sub> .1. <sup>2</sup> / <sub>3</sub> 19-30: 2 <sup>2</sup> / <sub>3</sub> .2.1 <sup>1</sup> / <sub>3</sub> .1 31-42: 4.2 <sup>2</sup> / <sub>3</sub> .2.1 <sup>1</sup> / <sub>3</sub> 43-61: 8.4.2 <sup>2</sup> / <sub>3</sub> .2.	1 <sup>1</sup> / <sub>3</sub>	244	56%	none	4	(2' 45)	1' 28.5	<sup>1</sup> / <sub>2</sub> ' 18	<sup>1</sup> / <sub>4</sub> ' 11.5	<sup>1</sup> / <sub>8</sub> ' 7	<sup>1</sup> / <sub>16</sub> ' 4.5	
8	Mounted Cornet III Ten G to top G 20-56: 2 <sup>2</sup> / <sub>3</sub> .2.1 <sup>3</sup> / <sub>5</sub>	2 <sup>2</sup> / <sub>3</sub>	111	35%	none	4.5	(1' 35)	<sup>1</sup> / <sub>2</sub> ' 22	<sup>1</sup> / <sub>4</sub> ' 13	<sup>1</sup> / <sub>8</sub> ' 8	( <sup>1</sup> / <sub>16</sub> ' 5)		
9	Trumpet	8	61	56%			120	92	71	54	45	g = 40	Shallots NPM Scale No. 13 57-61 flues as Open Diap. 8
10	Clarion	4	61	56%			92	71	54	45	g = 40		Shallots NPM Scale No. 13 45-61 flues as Principal 4

DEPARTMENT: Swell Organ

PRESSURE: 80mm

JOB: Nigawa

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C <sup>1</sup>	C <sup>13</sup>	C <sup>25</sup>	C <sup>37</sup>	C <sup>49</sup>	C <sup>61</sup>	Remarks
11	Gedackt	8	61	56%	1-42	4.5	115	78	53	36	24.5	16.5	1-6 with stays <u>57-61 open</u>
12	Salicional	8	13-61	56%	13-48	4		65	42	27	17.5	11	Parallel slotted (1-12 common to 11)
13	Voix Celeste (T.C.)	8	13-61	56%	13-48	4		51	33	20.5	14	9	Parallel slotted
14	Principal	4	61	56%	1-24	4	87	52	31	19.5	12	7	
15	Nason Flute	4	61	35%	1-30	5	73	49	33	22	15	10	1-36 stopped 37-61 upper Ø 1/2 scale
16	Fifteenth	2	61	56%	1-12	4	50	30	19	11.5	7	5	
17	Sesquialtera II 1-56: 2 <sup>2</sup> / <sub>3</sub> .1 <sup>3</sup> / <sub>5</sub> 57-61: 2 <sup>2</sup> / <sub>3</sub> .3 <sup>1</sup> / <sub>5</sub>	2 <sup>2</sup> / <sub>3</sub>	122	35%	to 1'	4	2' 2/3 56 2' 46	1' 28.5	1/2' 18	1/4' 11.5	1/8' 7	1/16' 4.5	57- 61 of tierce rank as 3 <sup>1</sup> / <sub>5</sub>
18	Mixture III 1-10: 1. 2 <sup>2</sup> / <sub>3</sub> . 1/2 11-22: 1 <sup>1</sup> / <sub>3</sub> . 1. 2 <sup>2</sup> / <sub>3</sub> 23-38: 2. 1 <sup>1</sup> / <sub>3</sub> . 1 39-52: 2 <sup>2</sup> / <sub>3</sub> . 2. 1 <sup>1</sup> / <sub>3</sub> 53-61: 4. 2 <sup>2</sup> / <sub>3</sub> . 2	1	183	56%	none	4	1' 27	1/2' 17	1/4' 11	1/8' 7	1/16' 4.5		
19	Oboe	8	61	56%			85 B=60	75	58	44.5	35	G=28.5	57-61 flues scaled as Salic. 8 Scale details as St. Agnes. Domed shallots scale no. 13

**DEPARTMENT: Pedal Organ****PRESSURE: 100mm****JOB: Nigawa**

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C <sup>1</sup>	C <sup>13</sup>	C <sup>25</sup>	G <sup>32</sup>	Remarks
20	Bourdon	16	32	wood			213x 176	134x 111	85x 70	65x54	Bourdon Scale No 13
21	Principal	8	32	75%	1-32	4	150	89	55	41	Fronts 1-19? Details to follow from D.O.
22	Bass Flute	8	32	56%	1-32	4	122	82	53	40	1-6 with stays, sturdy feet
23	Fifteenth	4	32	56%	1-24	4	85	53	33	26	
24	Trombone	16	32	56%			150	118	88	73	Full length. Some Knuckled Shallots NPM Scale No. 1
25	Trumpet	8	32	56%			130	98	76	65	Shallots NPM Scale No. 10 (domed)