

PIPE SCALE DETAILS

N.P.MANDER LTD.

JOB: Toyonaka Church, Osaka

DEPARTMENT: Great Organ

DATE: 27th November 1998 INITIALS: jp

PRESSURE: 75mm PITCH: A = 440 at °C

TUNING: Slot and cone

TEMPERAMENT: Kellner

No	Stop Name	Pitch	Pipe s	Mat	Ears	MW	C1	C13	C25	C37	C49	G56	Remarks
1a	Open Diapason	8	5-56	75%	Small to note 36	4	(140)	79	48	30	18	13	1-4 from helpers. Part front
1b	Helpers	4	1-4	56%	Small	4	67/64/ 62/59						
2	Stopped Diapason	8	56	QP			85x107						Scale No. 41
3	Principal	4	56	56%	Small 1-24	4	80	48	30	18	10	7.5	
4	Fifteenth	2	56	56%	Small 1-12	4	47	28	17	10	6	5	
5	Mixture III 1-10: 1. ² / ₃ . ¹ / ₂ 11-20: 1. ¹ / ₃ .1. ² / ₃ 21-36: 2.1. ¹ / ₃ .1 37-56: 2. ² / ₃ .2.1. ¹ / ₃	1	168	56%	none			1'=25	¹ / ₂ '=15	¹ / ₄ '=9	¹ / ₈ '=6	¹ / ₁₆ '=5	
6	Cremona Ø Body length Cone Length Tip Ø	8	56	56%			35 1195 110 12	30 580 75 10	25 320 50 9	23 160 35 8	21 80 24 6.5	20 55 23 6	Sockets 1-24 Felted caps 1-36 with flaps 1-24 Shallots: Scale No.1

DEPARTMENT: Swell Organ

PRESSURE: 75mm

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	C37	C49	G56	Remarks
7a	Gedackt 1-12	8	12	QP			85x107						Scale No. 41
7b	Gedackt 13-56	8	44	35%	13-42	4		65	42	30	20	16	Slightly domed canisters.
8a	Chimney Flute (internal chimneys)	4	56	35%	1-42	4	67	44	29	19	12.5	10	1-36 chimneys $\frac{1}{5}$ Ø length 1.5 x Ø. Slightly domed canisters. 37-56 upper $\frac{1}{2}$ Ø
9	Recorder	2	56	35%	1-18	4	55	34	20	11.5	7	5	1-24 tapered 1:2, becoming parallel by c49
10	Sesquialtera II 1-56: $2\frac{2}{3}$. $1\frac{3}{5}$	$2\frac{2}{3}$	112	56%	to 1'	4	$2\frac{2}{3}$ ' 54 2' 44	1'=26	$\frac{1}{2}$ '=15	$\frac{1}{4}$ '=9	$\frac{1}{8}$ '=5.5	$\frac{1}{16}$ '=5	

DEPARTMENT: Pedal Organ

PRESSURE: 75mm

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C1	C13	C25	G30	Remarks
11	Bourdon	16	30	QP		151x 183					Bourdon Scale No. 17