

PIPE SCALE DETAILS

JOB: WEST PARISH OF BARNSTABLE CAPE COD

PITCH: A 440 @ °C

DEPARTMENT: Great Organ

DATE: 27th October 2003 (Final)

TUNING METHOD: Cone & Slot

PRESSURE: 75mm

MANDER ORGANS

INITIALS: JPM

TEMPERAMENT: Kellner

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C ¹	C ¹³	C ²⁵	C ³⁷	C ⁴⁹	A ⁵⁸	Remarks
1	Open Diapason	8	58	75%	Small 1-36	4	150	92	55	32	19	14	Front pipes 1-32 1-30 common to Pedal Principal
2	Chimney Flute	8	58	56%	1-42	4	115	80	48	29	19	14.5	13-56 internal chimneys 1/5Ø, 1=1.5Ø 49-58 open tapered upper Ø 2/3 scale
3	Dulciana	8	58	56%	1-42	4.5	95	65	40	24.5	15	10.5	1-12 common to 2
4	Principal	4	58	56%	1-24	4	89	53	32	19	12	8	
5	Twelfth	2 2/3	58	56%	1-18	5	61	36	21	13.5	7.5	5.5	
6	Fifteenth	2	58	56%	1-12	4	53	31.5	19	11.5	7	5	
7	Mixture 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	232	56%	none	4	(2' 45)	1' 28.5	¹ / ₂ ' 18	¹ / ₄ ' 11.5	¹ / ₈ ' 7	¹ / ₁₆ ' 4.5	
8	Trumpet	8	58	56%			120	92	71	54	41	a = 34	Shallots NPM Scale No. 1
9	Cromorne	8	58	56%		scale total l cone l	50 1500 180	40.5 780 125	33 410 80	27 210 60	22 95 42	20 50 25	1-18 Capped Canisters 19-24 Open Canisters Domed shallots scale no. 13

DEPARTMENT: Swell Organ**PRESSURE: 75mm****JOB: West Parish of Barnstable**

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C ¹	C ¹³	C ²⁵	C ³⁷	C ⁴⁹	A ⁵⁸	Remarks
10	Salicional	8	58	56%	1-42	4	90	60	37.5	22.5	14	10	
11	Stopped Diapason	8	58	QP			115x 91.5	72.5x 57.5	45.5x 36.5	29x 23	18x 14.5	13x 10	Stopped Wood No. 39
12	Celeste	8	13-58	56%	13-42	4		56	35	21	13	9	
13	Principal	4	58	56%	1-24	4	87	52	31	19.5	12	7	
14	Open Flute	4	58	35%	1-30	4.5	87 B=60	62	42.5	28.5	19	14	1-12 canisters 13-58 tapered 1/3rd
15	Nazard	2 2/3	58	35%	1-24	4.5	65	41	26	16.5	10	6.5	
16	Block Flute	2	58	35%	1-12	4	55	33	21	13	8	5.5	(Hybrid)
17	Tierce	1 3/5	58	35%	1-14	4.5	45.5	28.5	18	11.5	7.5	5.5	
18	Hautbois	8	61	56%			70	66	47	39	34	a 25	Domed shallots scale no. 13

DEPARTMENT:**PRESSURE: 90mm****JOB: West Parish of Barnstable**

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	C ¹	C ¹³	C ²⁵	G ³⁰	Remarks
19	Bourdon	16	30	QP			198 x 163	125 x 103	79 x 65	65 x 54	Bourdon Scale No. 15
20	Principal	8									From Gt Open Diapason
21	Octave	4	32	56%	1-24	4	80	54	33	26	
22	Trombone	16	30	56%			130	100	80	75	Square shallots scale no. 1. Full length
23	Trumpet	8									From Great Trumpet