

PIPE SCALE DETAILS

MANDER ORGANS

JOB: Southall, St. George Final Draft

DEPARTMENT: Great

DATE: 09/03/09

INITIALS: MB

PRESSURE: 75mm PITCH: A = 455 at 18°C

TUNING: Coned

TEMPERAMENT: 1/6th comma

No	Stop Name	Pitch	Pipe s	Mat	Ears	MW	GG,A	C1	C13	C25	C37	C49	D51	Remarks
1	Open Diapason	8	52	27%	1-24	2/9	160, 148	127	78	43	25.5	15	13.5	Original GG – a#° fronts
2	Stopped Diapason	8	52	Oak			G126x110 A117x103	104x89	62x52	46x37	27x21. 5	?	?	Original
3	Principal	4	52	27%	1-20	2/9	89,85	84* (a#46)	38.5	25.5	14.5	11	10	Original GG – A# fronts
4	Twelfth	2 2/3	52	27%	1-15	2/9	60, 55	51	30.5	18.5	12	8.5	8	New, except for mid f#-b
5	Fifteenth	2	52	27%	1-10	2/9	51, 47	41	25	14.5	10.5	7.5	6.5	Original - ten b missing
6	Mixture Bass III	1 3/5	75	27%	1	2/9		1' 25	1/2' 15	1/4' 12	1/8' 6.5			Original GG-b°
7	Cornet Treb IV	4	108	27%	none			1'34	1/2' 20	1/4' 17	1/8' 7			25-52 1 st &4 th New ranks
8	Trumpet	8	52	27%			125/108	102	75	53	41	36	34	Some new pipes

*Principal basses (fronts) are slightly larger in scale.

DEPARTMENT: Swell

PRESSURE: 75mm

No	Stop Name	Pitch	Pipes	Mat	Ears	MW	G20	C25	C37	C49	D51	Remarks
9	Open Diapason	8	32	27%	none	2/9	54	43	25.5	15	13.5	Copied from Gt.
10	Stopped Diapason	8	32	Oak			62x53	57x47	40x29	28x21	26x19	<u>External dimensions</u> Ten. G, G#,A, (A#?), B missing, rest orig.
11	Principal	4	32	27%	none	2/9	31	25.5	14.5	11	10	Copied from Gt. NB Pipe feet no smaller than 8mm
12	Trumpet	8	32	27%			58	53	41	36	34	Copied from Gt.