

PIPE SCALE DETAILS

JOB: SYDNEY GRAMMAR SCHOOL

PITCH: A 440 @ 20°C

DEPARTMENT: Great Organ

DATE: 13th May 2003 Final

TUNING METHOD: Cone & Slot

PRESSURE: 75mm

MANDER ORGANS

INITIALS: JPM

TEMPERAMENT: Vallotti

| 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 pipe details from D/O 1-30 common to Pedal Principal |
| 2 | 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 |
| 3 | Principal | 4 | 58 | 56% | 1-24 | 4 | 89 | 53 | 32 | 19 | 12 | 8 | |
| 4 | Fifteenth | 2 | 58 | 56% | 1-12 | 4 | 53 | 31.5 | 19 | 11.5 | 7 | 5 | |
| 5 | Fourniture 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 | 305 | 56% | none | 4 | (2' 45) | 1' 28.5 | ¹ / ₂ ' 18 | ¹ / ₄ ' 11.5 | ¹ / ₈ ' 7 | ¹ / ₁₆ ' 4.5 | |
| 6 | Trumpet | 8 | 58 | 56% | | | 120 | 92 | 71 | 54 | 41 | a = 34 | Shallots NPM Scale No. 1 57-61 flues as Open Diapason 8 |

DEPARTMENT: Swell Organ

PRESSURE: 75mm

JOB: Sydney Grammar School

| No | Stop Name | Pitch | Pipes | Mat | Ears | MW | C ¹ | C ¹³ | C ²⁵ | C ³⁷ | C ⁴⁹ | A ⁵⁸ | Remarks |
|-----|--|-------------------------------|-------|-----|-------|-----|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| 7 | Gedackt | 8 | 58 | 35% | 1-42 | 4.4 | 120 | 80 | 53 | 36 | 24.5 | 16.5 | 1-6 with stays. No open pipes in treble. Domed canisters. |
| 8 | Viola da Gamba | 8 | 58 | 56% | 1-48 | 4 | 110 | 84/56 | 50/33.5 | 30/20 | 18/12 | 11/7.5 | 1-5 parallel, tapered 2/3rds by ten. C, bearded as req. Basses can be common to Gedackt if space dictates. |
| 9 | Voix Celeste | 8 | 13-58 | 56% | 13-48 | 4 | | 57/41 | 34/24 | 20/14 | 12/8.5 | 8/5.5 | Tapered 2/3rds, bearded as required. |
| 10 | Principal | 4 | 58 | 56% | 1-24 | 4 | 87 | 52 | 31 | 19.5 | 12 | 7 | |
| 11 | Chimney Flute | 4 | 58 | 35% | 1-30 | 4 | 69 | 45 | 29 | 19 | 12 | 9 | 1-6 stopped, 7-44 chimney 1/4Ø L=1.5Ø 45-58 open, upper Ø 1/2 scale |
| 12 | Fifteenth | 2 | 58 | 56% | 1-12 | 4 | 50 | 30 | 19 | 11.5 | 7 | 5 | |
| 13 | Sesquialtera II 1-58: 2 ² / ₃ . 1 ³ / ₅ | 2 ² / ₃ | 122 | 56% | to 1' | 4 | 2' 23 56 2' 46 | 1' 28.5 | 1/2' 18 | 1/4' 11.5 | 1/8' 7 | 1/16 4.5 | |
| 14a | Bassoon 1-30 | 16 | 1-30 | 56% | | | 90 | 67 | c=50 f=44 | | | | Half length Square shallots scale no. 13 |
| 14b | Bassoon 31-58 | 16 | 31-58 | 56% | | | | | f#=51 | 45 | 38 | 34 | Square shallots scale no. 13 |
| 15 | Hautbois | 8 | 58 | 56% | | | 73 B = 52 | 66 | 51 | 40 | 33 | 29 | Scale details as St. Agnes. Domed shallots scale no. 13 See separate sheet. |

DEPARTMENT: Pedal Organ**PRESSURE:** 75mm**JOB:** Sydney Grammar School

| No | Stop Name | Pitch | Pipes | Mat | Ears | MW | C ¹ | C ¹³ | C ²⁵ | F ³⁰ | Remarks |
|----|------------|-------|-------|-----|------|----|----------------|-----------------|-----------------|-----------------|---|
| 16 | Bourdon | 16 | 30 | QP | | | 198 x 163 | 125 x 103 | 79 x 65 | 65 x 54 | Bourdon Scale No. 15 |
| 17 | Principal | 8 | 0 | | | | | | | | Transmission from Great |
| 18 | Bass Flute | 8 | 0 | | | | | | | | Transmission from Great |
| 19 | Fifteenth | 4 | 0 | | | | | | | | Transmission from Great |
| 20 | Trombone | 16 | 30 | 56% | | | 130 | 100 | 80 | 75 | Square shallots scale no. 1 1-12 half length |
| 21 | Trumpet | 8 | 0 | | | | | | | | Transmission from Great |