

AR SERIES ORGAN  
 EARMARK FOR  
 #11201, ALL SAINTS' EPISCOPAL CHURCH, PHOENIX, ARIZONA  
 SPECIFICATIONS FOR A SERIES 70-6 ORGAN

2/8

GENERAL

(1) ORGAN

|               |                               |
|---------------|-------------------------------|
| Great Organ   | Standard design               |
| Swell Organ   | Standard design               |
|               | Layout will be supplied       |
| Wood & Finish | Rift Sawn Oak, M-4150-2       |
| Action        | Electro-Pneumatic (unit type) |
| Wind Pressure | See Pipe Analysis             |
| Pitch         | A-440 @ 70°F                  |

(2) CONSOLE

|                |                               |
|----------------|-------------------------------|
| Cabinet        | Standard design with roll top |
| Wood & Finish  | Rift Sawn Oak, M-4150-2       |
| Manual         | Two and Pedal                 |
| Manual Compass | CC to C4, 61 notes            |
| Pedal Compass  | CCC to G, 32 notes            |
| Stop Controls  | Tilting Tablets               |
| Action         | All Electric                  |

(3) BLOWER-two required-(located in organ cabinets)

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| Type                   | Maidinger 1002 - .4 HP - 3360 RPM - 4" outlet           |
| Wind                   | Gr. 180 c.f.m. @ 4", Sw. 180 c.f.m. @ 4"                |
| Current Specifications | 1 Ph - 60 Cy - 120 Volts - 4.4 Amperes each             |
| Overall Size           | 1' - 6 7/8" long x 1' - 6 1/8" wide x 1' - 10 1/4" high |

(4) POWER UNIT (located in console cabinet)

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Rating                 | DC Output - 10-15 Volts - 30 Amperes             |
| Current Specifications | AC Input - 1 Ph - 60 Cy - 120 Volts - 10 Amperes |
| Overall Size           | 14-1/2" long x 10-3/4" wide x 7" high            |

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CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

|    |        |                                                        |           |
|----|--------|--------------------------------------------------------|-----------|
| 1  | 16     | Bourdon-----                                           | 92 pipes  |
| 2  | 8      | Principal -----                                        | 80 pipes  |
| 3  | 8      | Gedeckt -----from #1-----                              | 61 notes  |
| 4  | 8      | Gemshorn -----from #13-----                            | 61 notes  |
| 5  | 4      | Octave -----from #2-----                               | 61 notes  |
| 6  | 4      | Gedeckt -----from #1-----                              | 61 notes  |
| 7  | 2      | Super Octave -----from #2---(repeats 5 top notes)----- | 61 notes  |
| 8  | 2      | Flute -----from #1---(repeats 5 top notes)-----        | 61 notes  |
| 9  | II-III | Mixture -----                                          | 126 pipes |
| 10 |        | Chimes -----(prepared for in console only)             |           |
| 11 |        | Tremolo                                                |           |

SWELL ORGAN (Enclosed)

|    |       |                  |                                       |          |
|----|-------|------------------|---------------------------------------|----------|
| 12 | 8     | Spitzflöte       | (low octave from #13)                 | 68 pipes |
| 13 | 8     | Gemshorn         |                                       | 85 pipes |
| 14 | 4     | Spitzflöte       | from #12                              | 61 notes |
| 15 | 2     | Spitzflöte       | from #12 --- (repeat 5 top notes) --- | 61 notes |
| 16 | 1-1/3 | Larigot          | from #13 --- (repeat 7 top notes) --- | 61 notes |
| 17 | 16    | Contre Trompette |                                       | 80 pipes |
| 18 | 8     | Trompette        | from #17                              | 61 notes |
| 19 | 4     | Clarion          | from #17 --- (repeat 5 top notes) --- | 61 notes |
| 20 |       | Tremolo          |                                       |          |

PEDAL ORGAN

|    |     |                  |             |          |
|----|-----|------------------|-------------|----------|
| 21 | 16  | Bourdon          | from #1     | 32 notes |
| 22 | 8   | Principal        | from #2     | 32 notes |
| 23 | 8   | Gedeckt          | from #1     | 32 notes |
| 24 | 8   | Gemshorn         | from #13    | 32 notes |
| 25 | 4   | Octave           | from #2     | 32 notes |
| 26 | 4   | Spitzflöte       | from #12    | 32 notes |
| 27 | III | Mixture          | from #7 & 9 | 32 notes |
| 28 | 16  | Contre Trompette | from #17    | 32 notes |
| 29 | 8   | Trompette        | from #17    | 32 notes |
| 30 | 4   | Clarion          | from #17    | 32 notes |

COUPLERS

31 Swell to Great

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, reverse system)  
 Balanced Expression Pedal - Swell Organ (8 contacts, reverse system)  
 Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit on-off switch (toggle type) with indicator light (red jewel)  
 and related wiring.  
 Concave and radiating pedal keyboard  
 Organ bench with music shelf  
 Music rack  
 Music rack light  
 Pedal light

NO. 11201

## ALL SAINTS' EPISCOPAL CHURCH, PHOENIX, ARIZONA

PIPE ANALYSIS

| PITCH              | PIPES | SCALE                              | HALVING | MOUTH | METAL        | WIND         |
|--------------------|-------|------------------------------------|---------|-------|--------------|--------------|
| <u>GREAT ORGAN</u> |       |                                    |         |       |              |              |
| 16                 | 92    | CCC to BBB Reg. Manual Bourdon     |         |       | Wood         | ) 1-16       |
|                    |       | CC to BB Reg. Artiste Tapered Bass |         |       | Wood         | ) 17 u       |
|                    |       | TC up Reg. Artiste Treble          |         |       | Wood & S.M.) |              |
| 8                  | 80    | CC 52 TC 60                        | 18-1/2  | 1/4   | 17 Zinc S.M. | 1-12<br>13 u |

II-III 126 See Formula Below

SWELL ORGAN

|           |    |     |              |                       |     |              |
|-----------|----|-----|--------------|-----------------------|-----|--------------|
| ote T.C.  | 8  | 68  | 60-2/3 @ 4'C | 19-1/2                | 1/5 | 5 Zinc C.M.  |
|           | 8  | 85  | CC 56        | 19-1/2                | 2/9 |              |
|           |    |     | C 68-1/3     | 19-1/2                | 2/9 | 17 Zinc S.M. |
|           |    | #56 | 98           | 17-1/2                | 1/6 |              |
| Trompette | 16 | 80  | 2-1/2        | CCC to FF half length |     |              |
|           |    |     |              | FF# up full length    |     |              |
|           |    |     |              | D(F) Eschallots       |     | Zinc & S.M.  |

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## GREAT II - III MIXTURE FORMULA

|        |        |        |           |       |
|--------|--------|--------|-----------|-------|
| 19     | 12     | 12     | 12        | 15    |
| 22     | 19     | 19     |           |       |
|        | 22     |        |           |       |
| 1-37   | 38-49  | 50-53  | 54-56     | 57-61 |
| Unison | 47 Sc. | 17-1/2 | 1/4 mouth | S.M.  |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth | S.M.  |