

AR SERIES ORGANS  
 EARMARK FOR  
 #11561 ST. PHILIP EPISCOPAL CHURCH, BRUNSWICK, TENNESSEE  
 SPECIFICATIONS FOR A SERIES 70-8C ORGAN  
 2/4

GENERAL

(1) ORGAN

|               |                                   |
|---------------|-----------------------------------|
| Organ         | Chamber installation, no cabinets |
| Action        | Layout will be supplied           |
| Wind Pressure | Electro-pneumatic (unit type)     |
| Pitch         | See Pipe Analysis                 |
|               | A-440 @ 70°F                      |

(2) CONSOLE

|                |                                    |
|----------------|------------------------------------|
| Cabinet        | Standard design                    |
| Wood & Finish  | Rift-sawn oak to customer's sample |
| 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 (located near organ)

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| Type                  | Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet |
| Wind                  | 400 CFM @ 4"                                     |
| Current specification | 1 Ph - 60 Cy - 120 Volts - 7.2 Amperes           |
| Overall Size          | 2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4"         |

(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           |

\* \* \* \* \*

CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

|    |        |                                                     |                                |
|----|--------|-----------------------------------------------------|--------------------------------|
| 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-(repeat 5 top notes) ----- | 61 notes                       |
| 8  | 2      | Flute -----from #1-(repeat 5 top notes) -----       | 61 notes                       |
| 9  | III-IV | Mixture-----                                        | 183 pipes                      |
| 10 |        | Chimes-----                                         | (prepared for in console only) |
| 11 |        | Tremolo                                             |                                |

SWELL ORGAN (enclosed)

|    |       |                                                   |          |
|----|-------|---------------------------------------------------|----------|
| 12 | 8     | Rohrflöte-----                                    | 73 pipes |
| 13 | 8     | Gemshorn -----                                    | 80 pipes |
| 14 | 8     | Gemshorn Celeste T.C.-----                        | 49 pipes |
| 15 | 4     | Spitzprincipal -----                              | 73 pipes |
| 16 | 4     | Rohrflöte -----from #12-----                      | 61 notes |
| 17 | 2     | Spitzoctave -----from #15-----                    | 61 notes |
| 18 | 1-1/3 | Larigot-----from #13--(repeat 12 top notes) ----- | 61 notes |
| 19 | 16    | Contre Trompette-----                             | 80 pipes |
| 20 | 8     | Trompette -----from #19 -----                     | 61 notes |
| 21 | 4     | Clairon -----from #19--(repeat 5 top notes)-----  | 61 notes |
| 22 |       | Tremolo                                           |          |

PEDAL ORGAN

|    |     |                                 |          |
|----|-----|---------------------------------|----------|
| 23 | 16  | Bourdon -----from #1-----       | 32 notes |
| 24 | 8   | Principal -----from #2 -----    | 32 notes |
| 25 | 8   | Gedeckt -----from #1 -----      | 32 notes |
| 26 | 8   | Gemshorn -----from #13 -----    | 32 notes |
| 27 | 4   | Octave -----from #2 -----       | 32 notes |
| 28 | 4   | Rohrflöte -----from #12-----    | 32 notes |
| 29 | III | Mixture -----from #9 -----      | 32 notes |
| 30 | 16  | Contre Trompette--from #19----- | 32 notes |
| 31 | 8   | Trompette -----from #19 -----   | 32 notes |
| 32 | 4   | Clairon -----from #19 -----     | 32 notes |

COUPLER

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit On-Off switch (lock type) with indicator light (amber jewel)  
and related wiring.

Concave and radiating pedal keyboard

Organ bench with music shelf

Music rack

Music rack light

Pedal light

PIPE ANALYSIS

| STOP                | PITCH  | PIPES | SCALE                                            | HALVING                    | MOUTH             | METAL                                                     | WIND PRESSURE               |
|---------------------|--------|-------|--------------------------------------------------|----------------------------|-------------------|-----------------------------------------------------------|-----------------------------|
| <u>GREAT ORGAN</u>  |        |       |                                                  |                            |                   |                                                           |                             |
| Bourdon             | 16     | 92    | CCC to BBB RMB<br>CC to BB Reg. Artiste<br>TC 68 | Tapered Bass<br>21-1/2     | 2/9               | Wood ) 1-16 4-1/2"<br>Wood ) 17 up 3-1/2"<br>5 Zinc, C.M. |                             |
| Principal           | 8      | 80    | CC 52 TC 60                                      | 18-1/2                     | 1/4               | 19 Zinc S.M.)                                             | 1-12 4-1/2"<br>13 up 3-1/2" |
| Mixture             | III-IV | 183   | See Formula Below                                |                            |                   |                                                           | 3-1/2"                      |
| <u>SWELL ORGAN</u>  |        |       |                                                  |                            |                   |                                                           |                             |
| Rohrflöte           | 8      | 73    | 56                                               | 21-1/2                     | 2/9               | SM O.S.Chimneys)<br>(#19-62)<br>18 Zinc C.M. )            | 3-1/2"                      |
| Gemshorn            | 8      | 80    | CC 56<br>C 68-1/2<br>#56 98                      | 19-1/2<br>19-1/2<br>17-1/2 | 2/9<br>2/9<br>1/6 | 17 Zinc S.M. )                                            | 3-1/2"                      |
| Gemshorn Celeste TC | 8      | 49    | 56-1/2 @ 8'                                      | CC 19-1/2                  | 2/9               | 5 Zinc S.M.                                               | 3-1/2"                      |
| Spitzprincipal      | 4      | 73    | 60-2/3                                           | 18-1/2                     | 1/4               | 7 Zinc C.M.                                               | 3-1/2"                      |
| Contre Trompette    | 16     | 80    | 3" CCC to FF half length<br>FF# up full length   |                            |                   | D(F) Eschallots<br>Zinc & S.M.                            | 3-1/2"                      |

\*\*\*\*\*

GREAT III-IV MIXTURE FORMULA

|        |        |        |           |       |
|--------|--------|--------|-----------|-------|
| 15     | 12     | 12     | 12        | 12    |
| 19     | 15     | 15     | 15        |       |
| 22     | 19     | 19     |           |       |
|        | 22     |        |           |       |
| 1-37   | 38-49  | 50-54  | 55-56     | 57-61 |
| Unison | 47 Sc. | 17-1/2 | 1/4 mouth | S.M.  |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth | S.M.  |