

REVISED

AR SERIES ORGANS  
 EARMARK FOR  
 #10891 SMITHFIELD BAPTIST CHURCH, SMITHFIELD, VA.  
 SPECIFICATIONS FOR A SPECIAL 9 RANK SERIES 70 ORGAN

2/12

GENERAL

(1) ORGAN

|                 |                                  |
|-----------------|----------------------------------|
| Great Organ     | Standard Series 70 Design        |
| Swell Organ     | Standard Series 70 Design        |
| Wood and Finish | Fir Plywood, Dull Charcoal Brown |
| Action          | Electro-Pneumatic (unit type)    |
| Wind Pressure   | Offsets 4-1/2", Trebles 3-1/2"   |
| Pitch           | A-440 @ 70°F                     |

(2) CONSOLE

|                |                                                    |
|----------------|----------------------------------------------------|
| Cabinet        | Standard Series 70 Design <i>Customer's sample</i> |
| Wood & Finish  | Rift Sawn Oak to <del>Color Block #11-4150-2</del> |
| Manuals        | 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

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Type                  | Kinetic Style 2-P-2116 - 1/2 HP - 1725 RPM - 6" outlet |
| Rating                | 500 c.f.m. @ 4"                                        |
| Current Specification | 1 Ph - 60 Cy - 208 Volts - 3.6 Amperes                 |
| Overall Size          | 2' - 5-3/4" x 1' - 10-3/8" x 2' - 4-3/8" high          |

(4) POWER UNIT (mounted within blower area)

|                       |                                              |
|-----------------------|----------------------------------------------|
| Rating                | DC output: 10-15 Volts, 30 amperes           |
| Current Specification | AC input: 1 Ph - 60 Cy - 208 Volts - 5 Amps. |
| Overall Size          | 1' - 2-1/2" long x 10-3/4" wide x 7" high    |

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CONSOLE AND ORGAN  
GREAT ORGAN (Unexpressive)

|    |        |                      |                                                                                                                  |
|----|--------|----------------------|------------------------------------------------------------------------------------------------------------------|
| 1  | 16     | Bourdon.....         | 97 pipes                                                                                                         |
| 2  | 8      | Principal .....      | 73 pipes                                                                                                         |
| 3  | 8      | Gedeckt.....         | from #1 .....61 notes                                                                                            |
| 4  | 8      | Gemshorn .....       | from #13 .....61 notes                                                                                           |
| 5  | 4      | Octav .....          | from #2 .....61 notes                                                                                            |
| 6  | 4      | Gedeckt .....        | from #1 .....61 notes                                                                                            |
| 7  | 2      | Flute .....          | from #1 .....61 notes                                                                                            |
| 8  | III-IV | Mixture .....        | 183 pipes                                                                                                        |
| 9  | 4      | Trichter Regal ..... | 61 pipes                                                                                                         |
| 10 |        | Tower Chimes....     | by others...provide slide in console 1-61 inc. wired to junction and Mayland relay G-#20 to G-#44 ..... 25 notes |
| 11 |        | Tremolo              |                                                                                                                  |

39591

204 S. Church St.

100 Wainwright Dr  
 23430

11/3/73

SWELL ORGAN (Expressive)

|      |       |                                                  |          |
|------|-------|--------------------------------------------------|----------|
| 12   | 8     | Rohrflote .....                                  | 73 pipes |
| 13   | 8     | Gemshorn .....                                   | 80 pipes |
| * 14 | 8     | Gemshorn Celeste TC .....                        | 49 pipes |
| 15   | 4     | Spitzprincipal .....                             | 73 pipes |
| 16   | 4     | Rohrflote ..... from #12.....                    | 61 notes |
| 17   | 2     | Spitzoctav..... 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                                          |          |

(\*) Not to be affected by Swell to Great Coupler

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   | Octav .....from #2 .....             | 32 notes |
| 28 | 4   | Rohrflote .....from #12 .....        | 32 notes |
| 29 | 111 | Mixture.....from #8 .....            | 32 notes |
| 30 | 16  | Contre Trompette .....from #19 ..... | 32 notes |
| 31 | 8   | Trompette .....from #19 .....        | 32 notes |
| 32 | 4   | Trichter Regal.....from #9 .....     | 32 notes |

COUPLER

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

General Cancel

PEDAL MOVEMENTS

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 (lock type) with Indicator light (red jewel) and related wiring.

Concave and radiating pedal keyboard

Organ bench with music shelf

Music rack light

Pedal light

Mount tower chimes volume control in nameboard

PIPE ANALYSIS

| STOP               | PITCH  | PIPES | SCALE                              | HALVING                | MOUTH           | METAL            | WIND PRESSURE |
|--------------------|--------|-------|------------------------------------|------------------------|-----------------|------------------|---------------|
| <u>GREAT ORGAN</u> |        |       |                                    |                        |                 |                  |               |
| Bourdon            | 16     | 97    | CCC to BBB Reg. Manual Bourdon     | Wood                   | )               | 1-16             | 4-1/2"        |
|                    |        |       | CC to BB Reg. Artiste Tapered Bass | Wood                   | )               | 17 up            | 3-1/2"        |
|                    |        |       | TC up Reg. Artiste Treble          | Wood & SM              | )               |                  |               |
| Principal          | 8      | 73    | CC 52 TC 60                        | 18-1/2                 | 1/4             | 17 Zinc S.M.)    | 1-12 4-1/2"   |
|                    |        |       |                                    |                        |                 |                  | 13 up 3-1/2"  |
| Mixture            | III-IV | 1:83  | See Formula Below                  |                        |                 |                  | 3-1/2"        |
| Trichter Regal     | 4      | 61    | 2-1/2"                             | Brass Tube, funnel top | D(F) Eschallots |                  | 3-1/2"        |
| <u>SWELL ORGAN</u> |        |       |                                    |                        |                 |                  |               |
| Rohrflöte          | 8      | 73    | 56                                 | 21-1/2                 | 2/9             | SM O.S. Chimneys | #19-#62       |
|                    |        |       |                                    |                        |                 | 18 Zinc S.M.     | 3-1/2"        |
| Gemshorn           | 8      | 80    | CC 54                              | 17-1/2                 | 1/4             |                  |               |
|                    |        |       | C 66-1/3                           | 17-1/2                 | 1/4             | 17-Zinc S.M.     | 3-1/2"        |
|                    |        | #56   | 1:02-2/3                           | 20-1/2                 | 2/9             |                  |               |
| Gemshorn Celeste   | 8 TC   | 49    | 56-1/3 @ 8'                        | CC                     | 17-1/2 1/4      | 5 Zinc S.M.      | 3-1/2"        |
| Spitzprincipal     | 4      | 73    | 60-2/3                             | 18-1/2                 | 1/4             | 5 Zinc S.M.      | 3-1/2"        |
| Contre Trompette   | 1:6    | 80    | 2-1/2" CCC to FF half length       |                        |                 | D(F) Eschallots  | 3-1/2"        |
|                    |        |       | FF# & up full length               |                        |                 | Zinc & S.M.      |               |

GREAT III-IV MIXTURE FORMULA

|        |        |        |           |       |
|--------|--------|--------|-----------|-------|
| 15     | 12     | 12     | 12        | 12    |
| 19     | 15     | 15     | 15        |       |
| 22     | 19     | 19     |           |       |
|        | 22     |        |           |       |
| 1-32   | 33-46  | 47-51  | 52-56     | 57-61 |
| Unison | 48 Sc. | 17-1/2 | 1/4 mouth | S.M.  |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth | S.M.  |