

AR SERIES ORGAN  
 BARMARK FOR  
 #10996, WARSAW BAPTIST CHURCH, WARSAW, N. C.  
 SPECIFICATION OF A SERIES 70-8A ORGAN

2/10

GENERAL

(1) ORGAN

|               |                                                       |
|---------------|-------------------------------------------------------|
| Great Organ   | Exposed, <u>No</u> Enclosure                          |
| Swell Organ   | Standard Series 70 design without grille              |
|               | Use fir plywood thruout finished dull charcoal brown. |
|               | Layout will be supplied                               |
| Action        | Electro-Pneumatic (All units)                         |
| Wind Pressure | <del>Offsets 4-1/2", Treble 3-1/2"</del>              |
| Pitch         | A-440 @ 70°F                                          |

(2) CONSOLE

|                |                                         |
|----------------|-----------------------------------------|
| Cabinet        | Standard Series 70 design with roll top |
| Wood & Finish  | Rift Sawn Oak to customer's sample      |
| 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                   | Style 2-P-2116 - 1/2 HP - 1725 RPM                      |
| Rating                 | 500 c.f.m. @ 4" - 6" outlet                             |
| Current Specifications | 1 Ph - 60 Cy - 208 Volts - 3.6 Amperes                  |
| Size                   | 2' - 5-3/4" long x 1' - 10-3/8" wide x 2' - 5-1/4" high |

(4) POWER UNIT (located in Blower Room)

|                       |                                                |
|-----------------------|------------------------------------------------|
| Rating                | DC Output: 10 to 15 Volts - 30 Amperes         |
| Current Specification | AC Input: 1 Ph - 60 Cy - 208 Volts - 5 Amperes |
| Overall Size          | 14-1/2" long x 10-3/4" wide x 7" high          |

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

|    |     |                                                                                                          |           |
|----|-----|----------------------------------------------------------------------------------------------------------|-----------|
| 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 | Mixture.....                                                                                             | 183 pipes |
| 9  | 4   | Trichter Regal.....                                                                                      | 61 pipes  |
| 10 |     | Chimes....Mayland tubes & electric actions, relay, transformer<br>and volume control A-#22 to F-#42..... | 21 tubes  |
| 11 |     | Tremolo                                                                                                  |           |



SWELL ORGAN (Enclosed)

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

PEDAL ORGAN

|    |     |                                    |          |
|----|-----|------------------------------------|----------|
| 22 | 16  | Bourdon.....from #1.....           | 32 notes |
| 23 | 8   | Principal.....from #2.....         | 32 notes |
| 24 | 8   | Gedeckt.....from #1.....           | 32 notes |
| 25 | 8   | Gemshorn.....from #13.....         | 32 notes |
| 26 | 4   | Octav.....from #2.....             | 32 notes |
| 27 | 4   | Rohrflöte.....from #12.....        | 32 notes |
| 28 | III | Mixture.....from #8.....           | 32 notes |
| 29 | 16  | Contre Trompette.....from #18..... | 32 notes |
| 30 | 8   | Trompette.....from #18.....        | 32 notes |
| 31 | 4   | Trichter Regal.....from #9.....    | 32 notes |

COUPLER

32 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4 Affecting Full Organ

PEDAL MOVEMENTS

- 1 - Balanced Expression Pedal - Swell Organ - 8 contacts - reverse system
- 2 - 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 electrical wiring.

Organ bench with music shelf

Concave and radiating pedal keyboard

Music rack light

Pedal light



PIPE ANALYSIS

| STOP | PITCH | PIPES | SCALE | HALVING | MOUTH | METAL | WIND PRESSURE |
|------|-------|-------|-------|---------|-------|-------|---------------|
|------|-------|-------|-------|---------|-------|-------|---------------|

GREAT ORGAN (Exposed)

|                |     |     |                                      |    |     |                 |                                        |
|----------------|-----|-----|--------------------------------------|----|-----|-----------------|----------------------------------------|
| Bourdon        | 16  | 97  | CCC to BBB Reg. Manual Bdn.<br>CC 56 | 20 | 2/9 | Wood )<br>SM )  | 1-12 <del>4-1/2"</del><br>12 up 3-1/2" |
| Principal      | 8   | 73  | CC 52 TC 60                          | 18 | 1/4 | 12 Zinc S.M.)   | 3-1/2"                                 |
| Mixture        | III | 183 | See Formula Below                    |    |     | S.M.            | 3-1/2"                                 |
| Trichter Regal | 4   | 61  | 2-1/2" Brass Tube, Funnel Top        |    |     | D(F) Eschallots | 3-1/2"                                 |

SWELL ORGAN (Enclosed)

|                     |   |    |                                                                       |                |                   |                                  |        |
|---------------------|---|----|-----------------------------------------------------------------------|----------------|-------------------|----------------------------------|--------|
| Rohrflöte           | 8 | 73 | 56                                                                    | 21             | 2/9               | Sm O.S. Chimneys<br>12 Zinc S.M. | 3-1/2" |
| Gemshorn            | 8 | 80 | CC 54- <del>1/3</del><br>#56 102-2/3<br>C 66 1/3                      | 17<br>20<br>17 | 2/9<br>2/9<br>1/4 | 12 Zinc S.M.)<br>)               | 3-1/2" |
| Spitzprinzipal      | 4 | 73 | 60-3/4                                                                | 18             | 1/4               | S.M.                             | 3-1/2" |
| Contre Trompette 16 |   | 80 | 2-1/2" CCC to FF half length<br>FF# up full length<br>D(F) Eschallots |                |                   | )<br>)<br>Zinc S.M.)             | 3-1/2" |

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## GREAT III MIXTURE FORMULA

|             |              |              |
|-------------|--------------|--------------|
| 15          | 12           | 8            |
| 19          | 15           | 12           |
| 22          | 19           | 15           |
| <u>1-42</u> | <u>43-48</u> | <u>49-61</u> |

|        |        |        |           |    |
|--------|--------|--------|-----------|----|
| Unison | 50 Sc. | 18-1/2 | 1/4 mouth | SM |
| Quint  | 51 Sc. | 18-1/2 | 1/4 mouth | SM |