

AR SERIES ORGANS  
EARMARK FOR

2/11

11431 TRINITY EPISCOPAL CHURCH, LUMBERTON, NORTH CAROLINA  
SPECIFICATIONS FOR A SERIES 70-8E ORGAN

GENERAL

(1) ORGAN

|               |                                    |
|---------------|------------------------------------|
| Cabinet       | Exposed Great, double-decked       |
| Wood & Finish | Layout will be supplied            |
| Action        | Rift-sawn oak to customer's sample |
| 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 in organ cabinet)

|                       |                                              |
|-----------------------|----------------------------------------------|
| Type                  | Meldinger 1004 -.8 HP - 3360 RPM - 6" outlet |
| Wind                  | 400 CFM @ 4"                                 |
| Current specification | 1 Ph - 60 Cy - 240 Volts - 3.6 Amperes       |
| Overall Size          | 1' - 9-1/4" x 1' - 7-5/8" x 1' - 11-3/4"     |

(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           |

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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      | Octave            | ----- from #2 -----                 | 61 notes  |
| 6  | 4      | Gedeckt           | ----- from #1 -----                 | 61 notes  |
| 7  | 2      | Flute             | ----- from #1 -----                 | 61 notes  |
| 8  | II     | Sesquialtera T.C. | -----                               | 98 pipes  |
| 9  | III-IV | Mixture           | -----                               | 183 pipes |
| 10 |        | Chimes            | -----(prepared for in console only) |           |
| 11 |        | Tremolo           |                                     |           |



SWELL ORGAN (Enclosed)

|    |       |                             |                             |                          |          |
|----|-------|-----------------------------|-----------------------------|--------------------------|----------|
| 12 | 8     | Spitzflöte-----             | (low octave from #13) ----- | 73                       | pipes    |
| 13 | 8     | Gemshorn -----              |                             | 85                       | pipes    |
| 14 | 8     | Gemshorn Celeste T.C. ----- |                             | 49                       | pipes    |
| 15 | 4     | Spitzflöte -----            | from #12 -----              | 61                       | notes    |
| 16 | 2     | Spitzflöte -----            | from #12 -----              | 61                       | notes    |
| 17 | 1-1/3 | Larigot -----               | from #13----                | (repeat 7 top notes)---- | 61 notes |
| 18 | 16    | Contre Trompette -----      |                             | 85                       | pipes    |
| 19 | 8     | Trompette -----             | from #18 -----              | 61                       | notes    |
| 20 | 4     | Clairon -----               | from #18 -----              | 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   | Octave -----           | from #2 -----  | 32 | notes |
| 27 | 4   | Spitzflöte -----       | from #12 ----- | 32 | notes |
| 28 | III | Mixture -----          | from #9 -----  | 32 | notes |
| 29 | 16  | Contre Trompette ----- | from #18 ----- | 32 | notes |
| 30 | 8   | Trompette -----        | from #18 ----- | 32 | notes |
| 31 | 4   | Clairon -----          | from #18 ----- | 32 | notes |

COUPLER

32 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)

ACCESSORIESMotor 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     | 97    | CCC to BBB<br>CC 56 | Reg. Manual Bourdon<br>21-1/2 | 2/9   | Wood<br>17 Zinc C.M. | 3-1/2"        |
| Principal          | 8      | 73    | 48                  | 18-1/2                        | 1/4   | 19 Zinc S.M.         | 3-1/2"        |
| Mixture            | III-IV | 183   | See Formula Below   |                               |       |                      | 3-1/2"        |
| Sesquialtera TC II |        | 98    | See Formula Below   |                               |       |                      | 3-1/2"        |

SWELL ORGAN

|                     |      |    |                             |                                             |                   |                                |        |
|---------------------|------|----|-----------------------------|---------------------------------------------|-------------------|--------------------------------|--------|
| Spitzflöte          | 8 TC | 73 | 60-2/3 @ 4'C                | 19-1/2                                      | 1/5               | 5 Zinc C.M.                    | 3-1/2" |
| Gemshorn            | 8    | 85 | 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" |
| Contre Trompette 16 |      | 85 | 3"                          | CCC to FF half length<br>FF# up full length |                   | Zinc & S.M.<br>D(F) Eschallots | 3-1/2" |

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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.  |

GREAT II SESQUIALTERA TC FORMULA

|                |        |                                                           |
|----------------|--------|-----------------------------------------------------------|
|                | 12     | 10                                                        |
|                | 17     | 12                                                        |
|                | 13-56  | 57-61                                                     |
| 2-2/3 74 @ #13 | 17-1/2 | 2/9 mouth S.M. Pull in 6 scales between 50-61             |
| 1-3/5 82 @ #13 | 17-1/2 | 1/5 mouth S.M. Pull in 6 scales between 45-56 Break at 57 |