

AR SERIES ORGAN  
 EARMARK FOR  
 #11179, FIRST UNITED METHODIST CHURCH, BUCHANAN, MICHIGAN  
 SPECIFICATION OF AN 8 RANK SERIES 70 ORGAN

2/10

GENERAL

(1) ORGAN

|               |                                     |
|---------------|-------------------------------------|
| Great         | Exposed - supply enclosure          |
| Swell         | Standard design                     |
| Wood & Finish | Rift Sawn Oak, to customer's sample |
|               | Organ layout will be supplied       |
| Action        | Electro-Pneumatic                   |
| Wind Pressure | See Pipe Analysis                   |
| Pitch         | A-440 @ 70°F                        |

(2) CONSOLE

|                |                                     |
|----------------|-------------------------------------|
| Cabinet        | Standard design                     |
| 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 (located in blower space)

|                       |   |
|-----------------------|---|
| Type                  | 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet      |
| Wind                  | 480 c.f.m. @ 4"                               |
| Current Specification | 1 Ph - 60 Cy - 240 Volts - 3.6 Amperes        |
| Overall Size          | 2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high |

(4) POWER UNIT (located in console)

|                       |                                       |
|-----------------------|---------------------------------------|
| Rating                | DC Output 10-15 Volts, 30 Amperes     |
| Current Specification | 1 Ph - 60 Cy - 110 Volts - 10 Amperes |
| Overall Size          | 14-1/2" L x 10-3/4" W x 7" H          |

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

|    |        |  |           |
|----|--------|--|-----------|
| 1  | 16     | Bourdon.....   | 92 pipes  |
| 2  | 8      | Principal .....                                      | 80 pipes  |
| 3  | 8      | Gedeckt.....from #1.....                             | 61 notes  |
| 4  | 8      | Gemshorn .....                                       | 61 notes  |
| 5  | 4      | Octave .....   | 61 notes  |
| 6  | 4      | Gedeckt.....from #1.....                             | 61 notes  |
| 7  | 2      | Super Octave.....from #2...(repeat 5 top notes)..... | 61 notes  |
| 8  | 2      | Flute .....  | 61 notes  |
| 9  | II-III | Mixture.....   | 126 pipes |
| 10 | 8      | Trompette.....from #21.....                          | 61 notes  |
| 11 |        | Chimes.....  |           |
| 12 |        | Trompe.....  |           |

*Meyland tubes and electric actions, relay, 2-1 tubes transformer & volume control A-#22 to F-#42*

SWELL ORGAN (Enclosed)

|    |       |                               |  |
|----|-------|-------------------------------|--|
| 13 | 8     | Rohrflote .....               | 73 pipes                                     |
| 14 | 8     | Gemshorn .....                | 80 pipes                                     |
| 15 | 8     | Gemshorn Celeste TC .....     | 49 pipes                                     |
| 16 | 4     | Spitzprinzipal .....          | 73 pipes                                     |
| 17 | 4     | Rohrflote.....from #13 .....  | 61 notes                                     |
| 18 | 2     | Spitzoctav.....from #16 ..... | 61 notes                                     |
| 19 | 1-1/3 | Larigot .....                 | from #14..(repeat 12 top notes).....61 notes |
| 20 | 16    | Contre Trompette.....         | 80 pipes                                     |
| 21 | 8     | Trompette .....               | from #20.....61 notes                        |
| 22 | 4     | Clairon.....                  | from #20..(repeat 5 top notes).....61 notes  |
| 23 |       | Tremolo                       |  |

PEDAL ORGAN

|    |     |                       |                                   |
|----|-----|-----------------------|-----------------------------------|
| 24 | 16  | Contrabass.....       | 12 pipes, 20 from #2.....32 notes |
| 25 | 16  | Bourdon .....         | from #1.....32 notes              |
| 26 | 8   | Principal .....       | from #2.....32 notes              |
| 27 | 8   | Gedeckt .....         | from #1.....32 notes              |
| 28 | 8   | Gemshorn.....         | from #14.....32 notes             |
| 29 | 4   | Octave.....           | from #2.....32 notes              |
| 30 | 4   | Rohrflote .....       | from #13.....32 notes             |
| 31 | III | Mixture.....          | from #7 & 9.....32 notes          |
| 32 | 16  | Contre Trompette..... | from #20.....32 notes             |
| 33 | 8   | Trompette .....       | from #20.....32 notes             |
| 34 | 4   | Clairon .....         | from #20.....32 notes             |

COUPLER

35 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4 Affecting Full Organ (beneath Swell center)

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 electrical wiring.
- Concave and radiating pedal keyboard
- Organ bench with music shelf
- Music rack light
- Pedal light

PIPE ANALYSIS

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

GREAT ORGAN

|           |          |     |   |        |     |                                  |        |
|-----------|----------|-----|---|--------|-----|----------------------------------|--------|
| Bourdon   | ✓ 16     | 92  | CCC to BBB Reg. Manual Bourdon<br>CC to BB Reg. Artiste Tapered Bass<br>TC up Reg. Artiste Treble |        |     | Wood )<br>Wood )<br>Wood & S.M.) | 3-1/2" |
| Principal | ✓ 8      | 80  | 48  | 18-1/2 | 1/4 | 17 Zinc S.M.)                    | 3-1/2" |
| Mixture   | ✓ II-III | 126 | See Formula Below   |        |     | S.M.                             | 3-1/2" |

SWELL ORGAN

|                  |        |    |                             |   |                   |  |        |
|------------------|--------|----|-----------------------------|---|-------------------|--|--------|
| Rohrflote        | ✓ 8    | 73 | 56                          | 21-1/2  | 2/9               | S.M. O.S. Chimneys<br>(#19-#62)<br>18 Zinc, S.M. | 3-1/2" |
| Gemshorn         | ✓ 8    | 80 | CC 56<br>C 68-1/3<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 | ✓ 8 TC | 49 | 58-1/3 @ 8' CC              | 19-1/2  | 2/9               | 5 Zinc S.M.                                      | 3-1/2" |
| Spitzprinzpal    | ✓ 4    | 73 | 60-2/3                      | 18-1/2  | 1/4               | 5 Zinc C.M.                                      | 3-1/2" |
| Contre Trompette | 16     | 80 | 2-1/2"                      | CCC to FF half length<br>FF# & up full length |                   | D(F) Eschallots<br>Zinc & S.M.                   | 3-1/2" |

PEDAL ORGAN

|            |    |    |    |        |     |      |        |
|------------|----|----|----|--------|-----|------|--------|
| Contrabass | 16 | 12 | 36 | 18-1/2 | 1/4 | Zinc | 3-1/2" |
|------------|----|----|----|--------|-----|------|--------|

## 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.  |       |