

AR SERIES ORGAN  
EARMARK FOR

#11708 - OTTERBEIN UNITED METHODIST CHURCH, MONT ALTO, PENNSYLVANIA  
SPECIFICATIONS FOR A SERIES 80-4 + CELESTE ORGAN  
TO BE COMPLETED - JUNE 1, 1986

2/5

GENERAL

(1) ORGAN

|               |   |
|---------------|---|
| Cabinet       | Standard cabinet, special grille & facade pipes |
| Wood & Finish | Rift Sawn Oak, to customer's sample             |
| Action        | Electro-Pneumatic (unit type)                   |
| Wind Pressure | See Pipe Analysis                               |
| Pitch         | A-440 @ 70°F                                    |

(2) CONSOLE

|                |                                      |
|----------------|--------------------------------------|
| Cabinet        | Standard Design                      |
| Wood & Finish  | Rift Sawn Oak, to customer's sample  |
| Manuels        | Two and Pedal                        |
| Manual Compass | CC to C4, 61 notes                   |
| Pedal Compass  | CCC to G, 32 notes                   |
| Stop Controls  | Tilting Tablets                      |
| Action         | All Electric with under-key contacts |

(3) BLOWER (mounted below organ cabinet)

|                       |  |
|-----------------------|--|
| Type                  | 2-P-2116 - <sup>1/2</sup> <del>3/4</del> H.P. - 1750 RPM                           |
| Wind                  | 220 C.F.M. @ 4" - 5" outlet  |
| Current Specification | 1 Phase - 60 Cycles - <sup>270</sup> Volts - <sup>3.6</sup> <del>2.6</del> Amperes |
| Overall Size          | 2' - 5 3/4" x 1' - 10-3/8" x 2' - 3-1/4" high                                      |

(4) POWER UNIT (mounted below organ cabinet)

|              |  |
|--------------|--|
| Rating       | DC Output: 10-15 Volts - 30 Amperes          |
| AC Input     | 1 Phase - 60 Cycles - 120 Volts - 10 Amperes |
| Overall Size | 16-3/4" long x 11" wide x 7-1/4" high        |

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CONSOLE AND ORGAN

GREAT ORGAN

|   |   |  |          |
|---|---|--|----------|
| 1 | 8 | Principal-----#1-12 from #2, #3 & #5-----                          | 73 pipes |
| 2 | 8 | Rohrflöte -----  | 80 pipes |
| 3 | 8 | Gemshorn -----   | 80 pipes |
| 4 | 4 | Octave -----from #1-----   | 61 notes |
| 5 | 4 | Spillflöte-----from #2-----  | 61 notes |
| 6 | 2 | Super Octave-----from #1-----                                      | 61 notes |
| 7 |   | Chimes <del>A-----</del> <sup>(prepared for in console only)</sup> |          |

*(transformer), and volume control, A to F, #22-42 - 21 bells  
New Maryland*



PIPE ANALYSIS

| STOP             | PITCH | PIPES | SCALE                       | HALVING                           | MOUTH             | REMARKS  | WIND PRESSURE                   |
|------------------|-------|-------|-----------------------------|-----------------------------------|-------------------|--|---------------------------------|
| Principal        | 8 TC  | 73    | 57                          | 17-1/2                            | 1/4               | 7 Zinc S.M.                                    | 3-1/2"                          |
| Rohrflöte        | 8     | 80    | CC to BB<br>TC 68           | Reg. Art. Tapered Bass<br>21-1/2  | 2/9               | Wood<br>6 Zinc C.M.<br>Sm. I.S.Chimneys #19-62 | #1-4 4-1/2"<br>#5 up 3-1/2"     |
|                  |       |       |                             | Pull in 8 scales between #62 & 73 |                   |  |                                 |
| 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.                                   | #1-12 4-1/2"<br>#1-13 up 3-1/2" |
| Gemshorn Celeste | TC 8  | 49    | 56-1/2 @ CC                 | 19-1/2                            | 2/9               | 5 Zinc S.M.                                    | 3-1/2"                          |
| Trompette        | 8     | 61    | 2-1/4"                      | #1-6 1/2 length                   |                   | Zinc & S.M.<br>D(F) Eschallots                 | 3-1/2"                          |
| Bourdon          | 16    | 12    | Reg. Man. Bourdon           |                                   |                   | Wood   | 4-1/2"                          |

16 Trompette Cornet Wiring Formula

5-1/3 notes #1-12 play 8 Rohrflöte #8-19  
~~5-1/3 notes #1-12 play 8 Trompette #8-19~~  
 3-1/5 notes #1-12 play 8 Rohrflöte #17-28  
 notes #13-32 play 8 Trompette #1-20  
*1-7/9 notes #1-12 play 8 Rohrflöte #27-38*

AEN/mr  
2/6/86