

11741 - ST. ANDREW PRESBYTERIAN CHURCH, WILLIAMSPORT, MARYLAND  
 SPECIFICATIONS FOR SERIES 80-8 ORGAN  
 To be Completed - April 19, 1987

218  
GENERAL

(1) ORGAN

|               |                                        |
|---------------|----------------------------------------|
| Cabinet       | Great - Exposed - Provide paneling     |
|               | Swell - Special Design                 |
| Wood & Finish | Birch & Mahogany to customer's samples |
| Action        | Electro-pneumatic (unit type)          |
| Wind Pressure | See Pipe Analysis                      |
| Pitch         | A-440 @ 70° F                          |

(2) CONSOLE

|                |                                       |
|----------------|---------------------------------------|
| Cabinet        | Standard Design (80-U)                |
| Wood & Finish  | Birch & Mahogany 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 with under-key contacts  |

(3) BLOWER (Detached)

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Type                  | 2-P-2116 - 1/2 HP - 1750 RPM                  |
| Wind                  | 340 C.F.M. @ 4" - 6" outlet                   |
| Current Specification | 1 Phase - 60 Cycles - 120 Volts - 7.2 Amperes |
| Overall Size          | 2'-5 3/4" x 1'-10 3/8" x 2'-3 1/4" high       |

(4) POWER UNIT (Mounted in Blower Space)

|              |                                              |
|--------------|----------------------------------------------|
| 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 - Exposed

|   |        |                                            |           |
|---|--------|--------------------------------------------|-----------|
| 1 | 8      | Principal -----                            | 85 pipes  |
| 2 | 8      | Rohrflöte -----from #9 -----               | 61 notes  |
| 3 | 8      | Gemshorn -----from #10 -----               | 61 notes  |
| 4 | 4      | Octave -----from #1 -----                  | 61 notes  |
| 5 | 4      | Rohrflöte -----from #9 -----               | 61 notes  |
| 6 | 2      | Super Octave -----from #1 -----            | 61 notes  |
| 7 | III-IV | Mixture -----                              | 208 pipes |
| 8 |        | Chimes -----(prepared for in console only) |           |

SWELL ORGAN (Enclosed)

|    |       |                                                        |          |
|----|-------|--------------------------------------------------------|----------|
| 9  | 8     | Rohrflöte -----                                        | 85 pipes |
| 10 | 8     | Gemshorn -----                                         | 80 pipes |
| 11 | 8     | Gemshorn Celeste TC --- (prepared for in console only) |          |
| 12 | 4     | Rohrflöte -----from #9 -----                           | 61 notes |
| 13 | 4     | Gemshorn -----from #10 -----                           | 61 notes |
| 14 | 2     | Rohrflöte -----from #9 -----                           | 61 notes |
| 15 | 1-1/3 | Larigot -----from #10 --- (repeat top octave) -----    | 61 notes |
| 16 | 1     | Siffelöte -----from #9 --- (repeat top octave) -----   | 61 notes |
| 17 | 16    | Contre Trompette -----                                 | 85 pipes |
| 18 | 8     | Trompette -----from #17 -----                          | 61 notes |
| 19 | 4     | Clairon -----from #17 -----                            | 61 notes |
| 20 |       | Tremolo                                                |          |

PEDAL ORGAN

|     |     |                                         |          |
|-----|-----|-----------------------------------------|----------|
| 21  | 32  | Untersatz ----- (prepared for)          |          |
| *22 | 16  | Principal ----- (prepared for)          |          |
| *23 | 16  | Bourdon -----12 pipes, 20 from #9 ----- | 32 notes |
| 24  | 8   | Principal -----from #1 -----            | 32 notes |
| 25  | 8   | Rohrflöte -----from #9 -----            | 32 notes |
| 26  | 4   | Octave -----from #1 -----               | 32 notes |
| 27  | 4   | Rohrflöte -----from #9 -----            | 32 notes |
| 28  | III | Mixture -----from #7 -----              | 32 notes |
| 29  | 32  | Reed Cornet III ----- (prepared for)    |          |
| 30  | 16  | Contre Trompette -----from #17 -----    | 32 notes |
| 31  | 8   | Trompette -----from #17 -----           | 32 notes |
| 32  | 4   | Clairon -----from #17 -----             | 32 notes |

(\*) Unenclosed

COUPLERS

|    |                |
|----|----------------|
| 33 | Great to Pedal |
| 34 | Swell to Pedal |
| 35 | Swell to Great |

ADJUSTABLE COMBINATIONSSolid State Logic

Pistons No. 1-2-3-4-5-6  
General Cancel

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)  
Balanced Expression Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier  
Organ bench with music shelf  
Transparent music rack with light  
Pedal light  
Motor and power unit on-off switch (lock type) with indicator light (amber jewel)  
and related electrical wiring  
Blower enclosure

CNG/a  
2/11/87

## PIPE ANALYSIS

| STOP | PITCH | PIPES | SCALE | HALVING | MOUTH | REMARKS | WIND PRESS |
|------|-------|-------|-------|---------|-------|---------|------------|
|------|-------|-------|-------|---------|-------|---------|------------|

GREAT ORGAN - Exposed

|           |   |    |    |        |     |              |     |
|-----------|---|----|----|--------|-----|--------------|-----|
| Principal | 8 | 85 | 43 | 17-1/2 | 1/4 | 12 Zinc S.M. | 3-1 |
|-----------|---|----|----|--------|-----|--------------|-----|

|         |        |     |  |                   |  |  |     |
|---------|--------|-----|--|-------------------|--|--|-----|
| Mixture | III-IV | 208 |  | See Formual Below |  |  | 3-1 |
|---------|--------|-----|--|-------------------|--|--|-----|

SWELL ORGAN - Enclosed

|           |   |    |                                          |        |     |              |     |
|-----------|---|----|------------------------------------------|--------|-----|--------------|-----|
| Rohrflöte | 8 | 85 | CC to BB Reg. Art. Tapered Bass<br>TC 68 | 21-1/2 | 2/9 | Wood<br>C.M. | 3-1 |
|-----------|---|----|------------------------------------------|--------|-----|--------------|-----|

Sm. I.S. Chimneys #19-62  
Pull in 8 scales between #62-73

|          |   |    |                             |                            |                   |               |     |
|----------|---|----|-----------------------------|----------------------------|-------------------|---------------|-----|
| Gemshorn | 8 | 80 | CC 54<br>C 66-1/2<br>#56 96 | 19-1/2<br>19-1/2<br>17-1/2 | 2/9<br>2/9<br>1/6 | 12 Zinc. S.M. | 3-1 |
|----------|---|----|-----------------------------|----------------------------|-------------------|---------------|-----|

Pull in 12 scales between #69-80

|                  |    |    |                                                  |  |  |                 |     |
|------------------|----|----|--------------------------------------------------|--|--|-----------------|-----|
| Contre Trompette | 16 | 85 | 3" CCC to FF half length<br>FF# & up full length |  |  | D(F) Eschallots | 3-1 |
|------------------|----|----|--------------------------------------------------|--|--|-----------------|-----|

PEDAL ORGAN - Unenclosed

|         |    |    |                      |  |  |      |     |
|---------|----|----|----------------------|--|--|------|-----|
| Bourdon | 16 | 12 | Special Man. Bourdon |  |  | Wood | 3-1 |
|---------|----|----|----------------------|--|--|------|-----|

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GREAT III-IV MIXTURE FORMULA

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 22 | 19 | 15 | 12 | 12 | 12 | 12 |
| 26 | 22 | 19 | 15 | 15 | 15 |    |
| 29 | 26 | 22 | 19 | 19 |    |    |
|    | 29 | 26 | 22 |    |    |    |

|      |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|
| 1-12 | 13-18 | 19-30 | 31-49 | 50-54 | 55-56 | 57-61 |
|------|-------|-------|-------|-------|-------|-------|

|        |        |        |           |      |
|--------|--------|--------|-----------|------|
| Unison | 47 Sc. | 17-1/2 | 1/4 mouth | S.M. |
| Quint  | 50 Sc. | 17-1/2 | 1/4 mouth | S.M. |