

# M. P. MÖLLER Organ Factory

Pipe Organ No. 9481 Date February 25, 1960  
 For Catholic - Cadet Chapel, United States Air Force Academy, Colorado  
 Action Electro-pneumatic Console Detached  
 Casing No. M. P. Moller, Inc. Finish As per sample  
 Decorations None Motor 3 H.P. Style 3-P-3027  
 Width of Key-bed Standard <sup>English Keys with</sup> Ebony Sharps Stop Controls Stop Keys  
 No. Manuals Three - Tracker Touch <sup>Level manuals</sup> Wind Pressure 3"  
 To be Completed 24 months Blower Pipe furnished by Purchaser

PITCH: A-440

## SPECIFICATIONS

### GREAT ORGAN

|            |     |            |                       |                   |                      |                    |       |       |
|------------|-----|------------|-----------------------|-------------------|----------------------|--------------------|-------|-------|
| 1.         | 16° | Quintadena | -----Spotted          | ---1-32           | Copper Tubs and Caps | ---Scales attached | ---61 | pipes |
| 2.         | 8°  | Principal  | -----Spotted          | ---1-17           | Zinc Tubs            | ---Scales attached | ---61 | pipes |
| 3.         | 8°  | Gedackt    | -----Spotted          | ---1-17           | Zinc Tubs and Caps   | ---Scales attached | ---61 | pipes |
| 4.         | 4°  | Octave     | -----Spotted          | ---1-5            | Zinc Tubs            | ---Scales attached | ---61 | pipes |
| 5.         | 4°  | Spitzflöte | -----Spotted          | ---1-5            | Zinc Tubs            | ---Scales attached | ---61 | pipes |
| 6.         | 2°  | Doublette  | -----Spotted          |                   |                      | ---Scales attached | ---61 | pipes |
| 7. IV Rks. |     | Mixture    | -----Tin              |                   |                      |                    | ---24 | pipes |
| 8.         | 8°  | Trumpet    | -----Zinc and Spotted | ---49             | Reeds                |                    |       |       |
|            |     |            |                       | 2R Flutes Spotted | ---50 to 61          | ---Scales attached | ---73 | pipes |

### SWELL ORGAN

|     |    |               |                     |                  |                  |                       |       |       |
|-----|----|---------------|---------------------|------------------|------------------|-----------------------|-------|-------|
| 9.  | 8° | Chimney Flute | ---1-49             | wood-50-61       | spotted opens    | ---Scales attached    | ---61 | pipes |
| 10. | 8° | Gambe         | -----Spotted        | ---1-17          | Zinc Tubs        | ---Scales attached    | ---61 | pipes |
| 11. | 8° | Dulciane      | -----Spotted        | ---1-17          | Zinc Tubs        | ---Scales attached    | ---61 | pipes |
| 12. | 4° | Gemshorn      | -----Spotted        | ---1-5           | Zinc Tubs        | ---Scales attached    | ---61 | pipes |
| 13. | 2° | Flautino      | -----Spotted        |                  |                  | ---Scales attached    | ---61 | pipes |
| 14. | 8° | Cromorne      | ---Hard Zinc        | 1-12             | Spotted 13-49-12 | flues-Scales attached | ---61 | pipes |
| 15. | 4° | Oboe Clarion  | ---Zinc and Spotted | ---37            | Reeds            |                       |       |       |
|     |    |               |                     | 2R Flues Spotted | ---38 to 61      | ---Scales attached    | ---85 | pipes |
| 16. |    | Tremolo       |                     |                  |                  |                       |       |       |

### POSITIV ORGAN

|              |    |              |            |           |                      |                    |                    |       |       |
|--------------|----|--------------|------------|-----------|----------------------|--------------------|--------------------|-------|-------|
| 17.          | 8° | Copula       | ---1-49    | Wood      | ---50-56             | Spotted Opens      | ---Scales attached | ---56 | pipes |
| 18.          | 8° | Quintadena   | ---Spotted | ---1-24   | Copper Tubs and Caps | ---Scales attached | ---56              | pipes |       |
| 19.          | 4° | Rohrflöte    | ---Spotted |           |                      | ---Scales attached | ---56              | pipes |       |
| 20.          | 2° | Blockflöte   | ---Spotted |           |                      | ---Scales attached | ---56              | pipes |       |
| 21. II Rks.  |    | Sesquialtera | ---Spotted | ---2-2/3' | Rohrflöte 1-25       | ---Scales attached | ---112             | pipes |       |
| 22. III Rks. |    | Fourniture   | ---Tin     |           |                      | ---Scales attached | ---168             | pipes |       |
| 23.          | 8° | Schalmey     | ---Spotted | ---49     | reeds                | ---7 flues         | ---Scales attached | ---56 | pipes |

### PEDAL ORGAN

|     |         |            |         |                  |                          |
|-----|---------|------------|---------|------------------|--------------------------|
| 24. | 16°     | Subbass    | Wood    | Scales attached  | 32 pipes                 |
| 25. | 16°     | Quintadena | from #1 |                  | 32 notes                 |
| 26. | 8°      | Octave     | Spotted | 1-17 Zinc Tubs   | Scales attached 32 pipes |
| 27. | 8°      | Gedackt    | Wood    | Scales attached  | 32 pipes                 |
| 28. | 4°      | Choralbass | Spotted | 1-32 Copper Tubs | Scales attached 32 pipes |
| 29. | III Rk. | Mixture    | Spotted | Scales attached  | 96 pipes                 |
| 30. | 16°     | Fagott     | Copper  | Scales attached  | 32 pipes                 |

### COUPLERS

|     |                  |     |                  |
|-----|------------------|-----|------------------|
| 31. | Great to Pedal   | 34. | Swell to Great   |
| 32. | Swell to Pedal   | 35. | Positiv to Great |
| 33. | Positiv to Pedal | 36. | Swell to Positiv |

### ADJUSTABLE COMBINATIONS (By remote control)

|                           |                       |
|---------------------------|-----------------------|
| Pedal No. 1-2-3-4-5       | Toe studs             |
| Great No. 1-2-3-4-5       | Pistons and Toe Studs |
| Swell No. 1-2-3-4-5       | Pistons and Toe Studs |
| Positiv No. 1-2-3-4-5     | Pistons               |
| General No. 1-2-3-4-5-6   | Pistons and Toe Studs |
| General Cancel Piston     |                       |
| Combination Setter Piston |                       |

### ACCESSORIES

|                                                                                                          |                               |
|----------------------------------------------------------------------------------------------------------|-------------------------------|
| Swell Pedal                                                                                              |                               |
| Crescendo Pedal                                                                                          |                               |
| Crescendo Indicator                                                                                      | Single Light                  |
| Full Organ Reversible                                                                                    | Piston and Toe Stud           |
| Full Organ Indicator                                                                                     | Single Light                  |
| Great to Pedal Reversible                                                                                | Piston and Toe Stud           |
| Swell to Great Reversible                                                                                | Piston and Toe Stud           |
| Positiv to Great Reversible                                                                              | Piston and Toe Stud           |
| Signal Lamp (Organ Action Current) wired to lines from relay in pedestal control panel alongside console |                               |
| Music Rack of Transparent Plastic                                                                        |                               |
| Blower: 2 HP Orgoblo #7521 or equal.                                                                     | 1150 R.P.M.                   |
| AC to DC Rectifier:                                                                                      | 30 ampere Orgelectra or equal |
| Light for Pedal Key                                                                                      |                               |
| Note: Blower Capacity to compensate for High Altitude of USAFA site.                                     |                               |

#### B. Air Filters

The organbuilder shall supply Air Filters for the Blower and may choose:

- (1) to supply a plenum chamber as shown on Sheet #B-1, or
- (2) an independent filter to each blower as specified by the manufacturer to rated full capacity of each machine.

C. Thermo-Humidigraph Instruments

The organbuilder shall supply two Thermo-Humidigraph instruments; mounting one in Basement Room #104 and one in Catholic Chapel Organ. Instruments shall be Bristol and Model #4069 TH, without fan.

The Bristol Company  
P. O. Box 1790  
Waterbury 20, Connecticut

JHH/el  
2/1/61

# PIPE SCALE SHEET

ORGAN NO. 9481

DATE February 25, 1960

Revised August 1, 1961

CATHOLIC - CADET CHAPEL

UNITED STATES AIR FORCE ACADEMY

COLORADO

Customer

City

State

Sheet 1

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## GREAT ORGAN (Exposed)

|            |    |    |     |        |      |                      |
|------------|----|----|-----|--------|------|----------------------|
| Quintadena | 16 | 61 |     |        |      |                      |
| #1         |    |    | 44  | 17-1/2 | 2/9  | 1-32 copper tubs     |
| #13        |    |    | 57  | 18-1/2 | 2/9  | and caps. #33 up     |
| #25        |    |    | 69  | 18-1/2 | 2/9) | spotted metal.       |
| #32        |    |    | 81  | 20-1/2 | 2/9) | graduate 1-61 capped |
| #37        |    |    | 85  | 20-1/2 | 2/9  |                      |
| #49        |    |    | 97  | 20-1/2 | 2/9  |                      |
| #61        |    |    | 109 | 20-1/2 | 2/9  |                      |

|           |   |    |     |        |      |                 |
|-----------|---|----|-----|--------|------|-----------------|
| Principal | 8 | 61 |     |        |      |                 |
| #1        |   |    | 47  | 17-1/2 | 2/9  | 1-17 zinc tubs. |
| #13       |   |    | 59  | 17-1/2 | 2/9  | #18 up spotted  |
| #25       |   |    | 71  | 17-1/2 | 2/9) | metal           |
| #37       |   |    | 88  | 19-1/2 | 2/9) | graduate        |
| #49       |   |    | 100 | 19-1/2 | 2/9  |                 |
| #61       |   |    | 112 | 19-1/2 | 2/9  |                 |

|         |   |    |     |        |     |                  |
|---------|---|----|-----|--------|-----|------------------|
| Gedeckt | 8 | 61 |     |        |     |                  |
| #1      |   |    | 54  | 20-1/2 | 2/9 | 1-17 zinc tubs   |
| #13     |   |    | 66  | 20-1/2 | 2/9 | and caps. #18 up |
| #25     |   |    | 78  | 20-1/2 | 2/9 | spotted metal.   |
| #37     |   |    | 90  | 20-1/2 | 2/9 | 1-49 capped      |
| #49     |   |    | 102 | 20-1/2 | 2/9 | #50-61 open      |
| #50     |   |    | 99  | 20-1/2 | 2/9 |                  |
| #61     |   |    | 111 | 20-1/2 | 2/9 |                  |

|        |   |    |     |        |      |               |
|--------|---|----|-----|--------|------|---------------|
| Octave | 4 | 61 |     |        |      |               |
| #1     |   |    | 58  | 17-1/2 | 1/4  | 1-5 zinc tubs |
| #13    |   |    | 70  | 17-1/2 | 1/4  | #6 up spotted |
| #25    |   |    | 82  | 17-1/2 | 1/4) | metal         |
| #37    |   |    | 105 | 21-1/2 | 1/4) | graduate      |
| #49    |   |    | 117 | 21-1/2 | 1/4  |               |
| #61    |   |    | 129 | 21-1/2 | 1/4  |               |

PITCH A-440

COMPLETION 24 months

COPIES TO: Moller, Daniels, Hose(2), White  
Ocker, Hoover, Nalley, Olsen(3),  
Zajic, Kreglo, Reed, Contract,  
File (2).

# PIPE SCALE SHEET

ORGAN NO. 9481

DATE February 25, 1960

CATHOLIC - CADET CHAPEL

UNITED STATES AIR FORCE ACADEMY

Revised August 1, 1961  
COLORADO

Customer

City

State

Sheet 2

STOP

PITCH

PIPES

SCALE

MOUTH

REMARKS

W.P.

## GREAT ORGAN (Exposed) (cont'd)

|                   |        |     |          |        |     |                     |    |
|-------------------|--------|-----|----------|--------|-----|---------------------|----|
| Spitzflöte        | 4°     | 61  |          |        |     |                     |    |
| #1                |        |     | 56-2/3   | 17-1/2 | 2/9 | 1-5 zinc tubs       | 3" |
| #13               |        |     | 68       | 17-1/2 | 2/9 | #6 up spotted       | 3" |
| #25               |        |     | 84       | 19-1/2 | 2/9 | metal. Taper 1/3-0  | 3" |
| #37               |        |     | 96       | 19-1/2 | 2/9 | #1 to #37           | 3" |
| #49               |        |     | 108      | 19-1/2 | 2/9 |                     | 3" |
| #61               |        |     | 116      | 19-1/2 | 2/9 |                     | 3" |
| Doublette         | 2°     | 61  |          |        |     |                     |    |
| #1                |        |     | 74-2/3   | 20-1/2 | 2/9 | spotted metal.      | 3" |
| #13               |        |     | 86       | 20-1/2 | 2/9 | Taper 1/3-0         | 3" |
| #25               |        |     | 98       | 20-1/2 | 2/9 | #1 - #24            | 3" |
| #37               |        |     | 110      | 20-1/2 | 2/9 |                     | 3" |
| #49               |        |     | 122      | 20-1/2 | 2/9 |                     | 3" |
| #61               |        |     | 134      | 20-1/2 | 2/9 |                     | 3" |
| Mixture - IV Rks. |        | 244 |          |        |     |                     |    |
| Rk. #I            | 1-1/3° |     | 81       | 17-1/2 | 1/4 | Tin                 | 3" |
| #13               |        |     | 93       | 17-1/2 | 1/4 | See Formula         | 3" |
| #25               |        |     | 105      | 17-1/2 | 1/4 | attached for        | 3" |
| #37               |        |     | 117      | 17-1/2 | 1/4 | breaks and scales   | 3" |
| #49               |        |     | 129      | 17-1/2 | 1/4 |                     | 3" |
| Rk. #II           | 1°     |     | 86       | 17-1/2 | 1/4 | Tin                 | 3" |
| #13               |        |     | 98       | 17-1/2 | 1/4 |                     | 3" |
| #25               |        |     | 110      | 17-1/2 | 1/4 |                     | 3" |
| Rk. #III          | 2/3°   |     | 93       | 17-1/2 | 1/4 | Tin                 | 3" |
| #13               |        |     | 105      | 17-1/2 | 1/4 |                     | 3" |
| #25               |        |     | 117      | 17-1/2 | 1/4 |                     | 3" |
| Rk. #IV           | 1/2°   |     | 98       | 17-1/2 | 1/4 | Tin                 | 3" |
| #13               |        |     | 110      | 17-1/2 | 1/4 |                     | 3" |
| Trumpet           | 8°     | 73  |          |        |     |                     |    |
| #1                |        |     | 3"       |        |     | Reg. Tpt. pattern   | 3" |
| #13               |        |     | 2-7/16"  |        |     | B(1/8) Eschallots   | 3" |
| #25               |        |     | 2-1/16"  |        |     | 1-49 reeds Zinc     | 3" |
| #37               |        |     | 1-15/16" |        |     | and spotted metal   | 3" |
| #49               |        |     | 1-13/16" |        |     | #50-61 double flues | 3" |
| #50               |        |     | 92       | 17-1/2 | 1/4 |                     |    |
| #61               |        |     | 103      | 17-1/2 | 1/4 |                     |    |

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CATHOLIC - CADET CHAPEL

UNITED STATES AIR FORCE ACADEMY

COLORADO

| Customer |       | City  | State | Sheet 3 |         |      |
|----------|-------|-------|-------|---------|---------|------|
| STOP     | PITCH | PIPES | SCALE | MOUTH   | REMARKS | W.P. |

## SWELL ORGAN (Enclosed)

|               |    |    |                   |        |                             |                        |    |
|---------------|----|----|-------------------|--------|-----------------------------|------------------------|----|
| Chimney Flute | 8° | 61 |                   |        |                             |                        |    |
| #1            |    |    | 3-1/2" x 4-1/2"   | I.D.   | 1-49 wood pierced stoppers. | 3"                     |    |
| #13           |    |    | 2-1/4" x 3-1/16"  | I.D.   | #50-#61 spotted metal.      | 3"                     |    |
| #25           |    |    | 1-9/16" x 2-3/16" | I.D.   | Stopper to be made of       | 3"                     |    |
| #37           |    |    | 13/16" x 1-5/16"  | I.D.   | round dowel as per          | 3"                     |    |
| #49           |    |    | 11/16" x 15/16"   | I.D.   | specifications. Large       | 3"                     |    |
| #50           |    |    | 88                | 18-1/2 | 2/9                         | Stopped Diapason scale | 3" |
| #61           |    |    | 100               | 18-1/2 | 2/9                         |                        | 3" |
| Gamba         | 8° | 61 |                   |        |                             |                        |    |
| #1            |    |    | 58                | 19-1/2 | 2/9                         | 1-17 zinc tubs         | 3" |
| #13           |    |    | 70                | 19-1/2 | 2/9                         | #18 up spotted         | 3" |
| #25           |    |    | 82                | 19-1/2 | 2/9                         | metal. No slots        | 3" |
| #37           |    |    | 94                | 19-1/2 | 2/9                         |                        | 3" |
| #49           |    |    | 106               | 19-1/2 | 2/9                         |                        | 3" |
| #61           |    |    | 118               | 19-1/2 | 2/9                         |                        | 3" |
| Dulciane      | 8° | 61 |                   |        |                             |                        |    |
| #1            |    |    | 56                | 19-1/2 | 2/9                         | 1-17 zinc tubs         | 3" |
| #13           |    |    | 68                | 19-1/2 | 2/9                         | #18 up spotted         | 3" |
| #25           |    |    | 80                | 19-1/2 | 2/9                         | metal. No slots        | 3" |
| #37           |    |    | 92                | 19-1/2 | 2/9                         |                        | 3" |
| #49           |    |    | 104               | 19-1/2 | 2/9                         |                        | 3" |
| #61           |    |    | 116               | 19-1/2 | 2/9                         |                        | 3" |
| Gemshorn      | 4° | 61 |                   |        |                             |                        |    |
| #1            |    |    | 57-1/2            | 18-1/2 | 1/4                         | 1-5 zinc tubs          | 3" |
| #13           |    |    | 69                | 18-1/2 | 1/4                         | #6 up spotted          | 3" |
| #25           |    |    | 81                | 18-1/2 | 1/4                         | metal. Taper 1/2-0     | 3" |
| #37           |    |    | 93                | 18-1/2 | 1/4                         | #1 to #36 inc.         | 3" |
| #49           |    |    | 105               | 18-1/2 | 1/4                         |                        | 3" |
| #61           |    |    | 117               | 18-1/2 | 1/4                         |                        | 3" |
| Flautino      | 2° | 61 |                   |        |                             |                        |    |
| #1            |    |    | 74                | 18-1/2 | 2/9                         | Spotted metal          | 3" |
| #13           |    |    | 86                | 18-1/2 | 2/9                         |                        | 3" |
| #25           |    |    | 108               | 21-1/2 | 2/9                         |                        | 3" |
| #37           |    |    | 120               | 21-1/2 | 2/9                         |                        | 3" |
| #49           |    |    | 132               | 21-1/2 | 2/9                         |                        | 3" |
| #61           |    |    | 138               | 21-1/2 | 2/9                         |                        | 3" |

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# PIPE SCALE SHEET

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UNITED STATES AIR FORCE ACADEMY

COLORADO

Customer

City

State

Sheet 4

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## SWELL ORGAN (Enclosed) (cont'd)

|           |    |    |      |            |                            |    |
|-----------|----|----|------|------------|----------------------------|----|
| Crommorne | 8' | 61 |      |            |                            |    |
| #1        |    |    | 3/4" |            | E (F) Eschallots. Flare    | 3" |
| #50       |    |    | 98   | 17-1/2 2/9 | from 1' C# up. 1-12 hard   | 3" |
| #61       |    |    | 110  | 17-1/2 2/9 | zinc. 13-49 spotted metal. | 3" |
|           |    |    |      |            | 49 reeds. 12 flues         |    |

|              |    |    |          |            |                         |    |
|--------------|----|----|----------|------------|-------------------------|----|
| Oboe-Clarion | 4' | 85 |          |            |                         |    |
| #1           |    |    | 2-7/16"  |            | Open Oboe               | 3" |
| #13          |    |    | 2-1/16"  |            | C(1/8) Eschallots. 1-37 | 3" |
| #25          |    |    | 1-7/8"   |            | reeds Zinc and spotted  | 3" |
| #37          |    |    | 1-13/16" |            | metal. #38-61 open      | 3" |
| #38          |    |    | 96       | 17-1/2 2/9 | spotted metal. Double   | 3" |
| #49          |    |    | 108      | 17-1/2 2/9 | flues                   | 3" |
| #61          |    |    | 120      | 17-1/2 2/9 |                         | 3" |

## POSITIV ORGAN (Exposed)

|        |    |    |     |            |                                     |    |
|--------|----|----|-----|------------|-------------------------------------|----|
| Copula | 8' | 56 |     |            |                                     |    |
| #1     |    |    |     |            | Reg. Stopped Bass 2-7/8" x 3-7/8"   | 3" |
| #13    |    |    |     |            | 1-49 wood.                          | 3" |
| #25    |    |    |     |            | Reg. Stopped Flt. 1-13/16" x 2-1/2" | 3" |
| #37    |    |    |     |            | 50-56 spotted metal                 | 3" |
| #49    |    |    |     |            | Reg. Stopped Flt. 1-1/8" x 1-5/8"   | 3" |
| #50    |    |    |     |            | open                                | 3" |
| #56    |    |    |     |            | Reg. Stopped Flt. 3/4" x 1-1/16"    | 3" |
|        |    |    |     |            | Reg. Stopped Flt. 1/2" x 3/4"       | 3" |
|        |    |    | 101 | 20-1/2 2/9 |                                     | 3" |
|        |    |    | 107 | 20-1/2 2/9 |                                     | 3" |

|            |    |    |     |            |                  |    |
|------------|----|----|-----|------------|------------------|----|
| Quintadena | 8' | 56 |     |            |                  |    |
| #1         |    |    | 57  | 19-1/2 2/9 | 1-24 copper tubs | 3" |
| #13        |    |    | 69  | 19-1/2 2/9 | and caps #25 up  | 3" |
| #25        |    |    | 81  | 19-1/2 2/9 | spotted metal.   | 3" |
| #37        |    |    | 93  | 19-1/2 2/9 | 1-49 capped      | 3" |
| #49        |    |    | 105 | 19-1/2 2/9 | #50-57 inc. Open | 3" |
| #50        |    |    | 106 | 19-1/2 2/9 |                  | 3" |
| #56        |    |    | 112 | 19-1/2 2/9 |                  | 3" |

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CATHOLIC - CADET CHAPEL

UNITED STATES AIR FORCE ACADEMY

COLORADO

Customer

City

State

Sheet 5

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## POSITIV ORGAN (Exposed) (cont'd)

|           |    |     |        |     |                   |    |
|-----------|----|-----|--------|-----|-------------------|----|
| Rohrflöte | 4' | 56  |        |     |                   |    |
| #1        |    | 60  | 21-1/2 | 2/9 | Spotted metal     | 3" |
| #13       |    | 72  | 21-1/2 | 2/9 | 1-37 capped.      | 3" |
| #25       |    | 84  | 21-1/2 | 2/9 | #38-56 inc. Open. | 3" |
| #37       |    | 96  | 21-1/2 | 2/9 | Outside chimneys. | 3" |
| #38       |    | 93  | 21-1/2 | 2/9 |                   | 3" |
| #49       |    | 104 | 21-1/2 | 2/9 |                   | 3" |
| #56       |    | 111 | 21-1/2 | 2/9 |                   | 3" |

|            |    |        |        |     |                     |    |
|------------|----|--------|--------|-----|---------------------|----|
| Blockflöte | 2' | 56     |        |     |                     |    |
| #1         |    | 70-1/2 | 20-1/2 | 2/9 | 1/2-0 Taper         | 3" |
| #13        |    | 82     | 20-1/2 | 2/9 | 1-24. Spotted metal | 3" |
| #25        |    | 94     | 20-1/2 | 2/9 |                     | 3" |
| #37        |    | 106    | 20-1/2 | 2/9 |                     | 3" |
| #49        |    | 118    | 20-1/2 | 2/9 |                     | 3" |
| #56        |    | 125    | 20-1/2 | 2/9 |                     | 3" |

|                       |        |     |        |     |                 |    |
|-----------------------|--------|-----|--------|-----|-----------------|----|
| Sesquialtera<br>I Rk. | 2-2/3' | 56  |        |     |                 |    |
| #1                    |        | 74  | 21-1/2 | 1/5 | 1-25 Rohrflöte  | 3" |
| #13                   |        | 86  | 21-1/2 | 1/5 | capped. Spotted | 3" |
| #25                   |        | 98  | 21-1/2 | 1/5 | metal. #26 up   | 3" |
| #26                   |        | 95  | 21-1/2 | 1/5 | open. Outside   | 3" |
| #37                   |        | 106 | 21-1/2 | 1/5 | chimneys.       | 3" |
| #49                   |        | 118 | 21-1/2 | 1/5 |                 | 3" |
| #56                   |        | 125 | 21-1/2 | 1/5 |                 | 3" |

|        |        |        |        |     |                |    |
|--------|--------|--------|--------|-----|----------------|----|
| II Rk. | 1-3/5' | 56     |        |     |                |    |
| #1     |        | 79-1/2 | 21-1/2 | 1/5 | spotted metal. | 3" |
| #13    |        | 91     | 21-1/2 | 1/5 | Taper 1/2-0    | 3" |
| #25    |        | 103    | 21-1/2 | 1/5 | #1 to #24 inc. | 3" |
| #37    |        | 115    | 21-1/2 | 1/5 |                | 3" |
| #49    |        | 127    | 21-1/2 | 1/5 |                | 3" |
| #56    |        | 134    | 21-1/2 | 1/5 |                | 3" |

|                     |    |     |        |     |                  |    |
|---------------------|----|-----|--------|-----|------------------|----|
| Fourniture<br>I Rk. | 1' | 56  |        |     |                  |    |
| #1                  |    | 86  | 17-1/2 | 1/4 | Tin              | 3" |
| #13                 |    | 98  | 17-1/2 | 1/4 | See Formula      | 3" |
| #25                 |    | 110 | 17-1/2 | 1/4 | attached for     | 3" |
| #37                 |    | 122 | 17-1/2 | 1/4 | breaks & scales. | 3" |

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# PIPE SCALE SHEET

ORGAN NO. 9481

DATE February 25, 1960  
Revised August 1, 1961

CATHOLIC - CADET CHAPEL UNITED STATES AIR FORCE ACADEMY COLORADO  
Customer City State

Sheet 6

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## POSITIV ORGAN (Exposed)

### Fourniture (cont'd)

|          |      |    |          |                                           |     |     |    |
|----------|------|----|----------|-------------------------------------------|-----|-----|----|
| II Rk.   | 2/3' | 56 |          |                                           |     |     |    |
| #1       |      |    | 93       | 17-1/2                                    | 1/4 | Tin | 3" |
| #13      |      |    | 105      | 17-1/2                                    | 1/4 |     | 3" |
| #25      |      |    | 117      | 17-1/2                                    | 1/4 |     | 3" |
| III Rk.  | 1/2' | 56 |          |                                           |     |     |    |
| #1       |      |    | 98       | 17-1/2                                    | 1/4 | Tin | 3" |
| #13      |      |    | 110      | 17-1/2                                    | 1/4 |     | 3" |
| #25      |      |    | 122      | 17-1/2                                    | 1/4 |     | 3" |
| Schalmei | 8'   | 56 |          |                                           |     |     |    |
| #1       |      |    | 2-7/16"  | 1/2 length 1-18. Full length #19 up. Reg. |     |     | 3" |
| #13      |      |    | 2-1/16"  | two Taper lifting lid Oboe with tuner     |     |     | 3" |
| #19      |      |    | 2-1/4"   | slots. C 1/8 Eschallots. 1-49 reeds.      |     |     | 3" |
| #25      |      |    | 2-1/16"  | Zinc & Spotted metal.                     |     |     | 3" |
| #37      |      |    | 1-7/8"   | 7 flues                                   |     |     | 3" |
| #49      |      |    | 1-13/16" | #50 to #56 spotted metal                  |     |     | 3" |
| #50      |      |    | 96       | 17-1/2                                    | 2/9 |     | 3" |
| #56      |      |    | 102      | 17-1/2                                    | 2/9 |     | 3" |

## PEDAL ORGAN (Exposed)

|         |     |    |                                               |        |     |                  |    |
|---------|-----|----|-----------------------------------------------|--------|-----|------------------|----|
| Subbass | 16' | 32 |                                               |        |     |                  |    |
| #1      |     |    | Reg. Ped. Bdn. 7-1/8" x 9" I.D. Wood          |        |     |                  | 3" |
| #13     |     |    | Reg. Ped. Bdn. 4-1/4" x 5-11/16" I.D.         |        |     |                  | 3" |
| #25     |     |    | Reg. Ped. Bdn. 2-3/8" x 3-1/2" I.D.           |        |     |                  | 3" |
| #32     |     |    | Reg. Ped. Bdn. 1-7/16" x 2-7/16" I.D.         |        |     |                  | 3" |
| Octave  | 8'  | 32 |                                               |        |     |                  |    |
| #1      |     |    | 44-2/3                                        | 17-1/2 | 1/4 | 1-17 zinc tubs   | 3" |
| #13     |     |    | 56-2/3                                        | 17-1/2 | 1/4 | #18 up spotted   | 3" |
| #25     |     |    | 68-2/3                                        | 17-1/2 | 1/4 | metal. Taper 1/3 | 3" |
| #32     |     |    | 75-2/3                                        | 17-1/2 | 1/4 | #1-#32.          | 3" |
| Gedackt | 8'  | 32 |                                               |        |     |                  |    |
| #1      |     |    | Large Stp. Diapason 3-1/2" x 4-1/2" I.D. Wood |        |     |                  | 3" |
| #13     |     |    | Large Stp. Diapason 2-5/16" x 3-1/8" I.D.     |        |     |                  | 3" |
| #25     |     |    | Large Stp. Diapason 1-1/2" x 2-1/16" I.D.     |        |     |                  | 3" |
| #32     |     |    | Large Stp. Diapason                           |        |     |                  | 3" |

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# PIPE SCALE SHEET

ORGAN NO. 9481 DATE February 25, 1960  
CATHOLIC - CADET CHAPEL UNITED STATES AIR FORCE ACADEMY Revised August 1, 1961  
COLORADO

Customer

City

State

Sheet 7

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## PEDAL ORGAN (Exposed) (cont'd)

|                  |  |                    |         |           |     |                         |    |
|------------------|--|--------------------|---------|-----------|-----|-------------------------|----|
| Choralbass       |  | 4 <sup>0</sup>     | 32      |           |     |                         |    |
| #1               |  |                    | 55      | 17-1/2    | 2/9 | 1-32 copper tubs        | 3" |
| #13              |  |                    | 67      | 17-1/2    | 2/9 | spotted metal           | 3" |
| #25              |  |                    | 79      | 17-1/2    | 2/9 | feet and mouth          | 3" |
| #32              |  |                    | 86      | 17-1/2    | 2/9 |                         | 3" |
| Mixture III Rks. |  |                    |         |           |     |                         |    |
| I Rk.            |  | 2 <sup>0</sup>     | 32      |           |     |                         |    |
| #1               |  |                    | 72      | 17-1/2    | 1/4 | spotted metal           | 3" |
| #13              |  |                    | 84      | 17-1/2    | 1/4 |                         | 3" |
| #25              |  |                    | 96      | 17-1/2    | 1/4 |                         | 3" |
| #32              |  |                    | 103     | 17-1/2    | 1/4 |                         | 3" |
| II Rk.           |  | 1-1/3 <sup>0</sup> | 32      |           |     |                         |    |
| #1               |  |                    | 78      | 17-1/2    | 2/9 | spotted metal           | 3" |
| #13              |  |                    | 90      | 17-1/2    | 2/9 |                         | 3" |
| #25              |  |                    | 102     | 17-1/2    | 2/9 |                         | 3" |
| #32              |  |                    | 109     | 17-1/2    | 2/9 |                         | 3" |
| III Rk.          |  | 1 <sup>0</sup>     | 32      |           |     |                         |    |
| #1               |  |                    | 84      | 17-1/2    | 1/4 | spotted metal           | 3" |
| #13              |  |                    | 96      | 17-1/2    | 1/4 |                         | 3" |
| #25              |  |                    | 108     | 17-1/2    | 1/4 |                         | 3" |
| #32              |  |                    | 115     | 17-1/2    | 1/4 |                         | 3" |
| Fagott           |  | 16 <sup>0</sup>    | 32      |           |     |                         |    |
| #1               |  |                    | 4"      | Reg. Tpt. |     | copper B(1/8) Eschallot | 3" |
| #13              |  |                    | 3-1/8"  | Reg. Tpt. |     | copper B(1/8) Eschallot | 3" |
| #25              |  |                    | 2-7/16" | Reg. Tpt. |     | copper B(1/8) Eschallot | 3" |

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# PIPE SCALE SHEET

ORGAN NO. 9481

February 25, 1960  
DATE Revised August 1, 1961  
Revised August 21, 1961

CATHOLIC - CADET CHAPEL UNITED STATES AIR FORCE ACADEMY COLORADO  
Customer City State

| STOP | PITCH | PIPES | SCALE | MOUTH | REMARKS | W.P. |
|------|-------|-------|-------|-------|---------|------|
|------|-------|-------|-------|-------|---------|------|

## SPECIAL MIXTURE FORMULAS

### Great IV Rk. Mixture

|             |    |              |     |              |     |              |     |              |     |
|-------------|----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|
| 19          | 81 | 15           | 86  | 12           | 93  | 8            | 110 | 8            | 118 |
| 22          | 86 | 19           | 93  | 15           | 98  | 12           | 117 | 12           | 125 |
| 26          | 93 | 22           | 98  | 19           | 105 | 15           | 122 | 12           | 125 |
| 29          | 98 | 26           | 105 | 22           | 110 | 19           | 129 | 15           | 129 |
| <u>1-12</u> |    | <u>13-24</u> |     | <u>25-48</u> |     | <u>49-56</u> |     | <u>57-61</u> |     |

17th halving throughout - 1/4 mouth throughout

### Positiv III Rk. Furniture

|             |    |              |     |              |     |              |     |              |     |
|-------------|----|--------------|-----|--------------|-----|--------------|-----|--------------|-----|
| 22          | 86 | 19           | 93  | 15           | 98  | 12           | 105 | 8            | 110 |
| 26          | 93 | 22           | 98  | 19           | 105 | 15           | 110 | 12           | 117 |
| 29          | 98 | 26           | 105 | 22           | 110 | 19           | 117 | 15           | 122 |
| <u>1-12</u> |    | <u>13-24</u> |     | <u>25-36</u> |     | <u>37-48</u> |     | <u>49-56</u> |     |

17th halving throughout - 1/4 mouth throughout

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