

11755

OTTERBEIN UNITED METHODIST CHURCH, YORK PENNSYLVANIA

REVISED

213
 SPECIFICATIONS FOR SERIES 80-12+ ORGAN
 To Be Completed - August 1, 1987

GENERAL

(1) ORGAN

Great Organ - Unenclosed
 Swell Organ - Silvite cabinet, paint charcoal brown
 Cabinet One (1) Required Chamber installation, layout will be provided
 Action Electro Pneumatic (unit type)
 Wind Pressure See Pipe Analysis
 Pitch A-440 @ 70o F

(2) CONSOLE

Cabinet Series 80-U
 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 with under-key contacts

(3) BLOWER (detached below Swell Organ cabinet)

Type Ventus 611412 - .75 HP - 3360 RPM
 Wind 460 c.f.m. @ 4" - 6" Outlet
 Current Specification 1 Phase - 60 Cycles - 208 Volts - 2.3 Amperes
 Overall Size 1'- 9 1/2" x 1'- 5 3/4" wide x 1'- 8 1/2' high

(4) POWER UNIT (Mounted below Swell 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 ORGANGREAT ORGAN - Unenclosed

*1.	8	Principal.....	85 pipe
2.	8	Gedeckt.....	85 pipe
3.	8	Gemshorn.....from #13.....	61 note
4.	4	Octave.....from #1.....	61 note
5.	4	Waldflote.....from #2.....	61 note
6.	2	Super Octave...from #1.....	61 note
7.	2	Blockflote.....from #2.....	61 note
8.	II Rks.	Sesquialtera TC.....	98 pipe
9.	III-IV Rks.	Mixture.....	208 pipe

GREAT ORGAN (continued)

10. Chimes.....present 1 1/4" bells, new electric
action, relay, transformer, and volume
control, G to G, #20-44..... 25 bells
11. Tremolo

* ~~19~~ Pipes in Facade

#1 & #3 - 20 ↗

SWELL ORGAN - Enclosed

- | | | | |
|-----|-------|---|----------|
| 12. | 8 | Rohrflote..... | 73 pipes |
| 13. | 8 | Gemshorn..... | 80 pipes |
| 14. | 8 | Gemshorn Celeste TC..... | 49 pipes |
| 15. | 4 | Spitzprincipal..... | 73 pipes |
| 16. | 4 | Spillflote.....from #12..... | 61 notes |
| 17. | 2 | Octavin.....from #15..... | 61 notes |
| 18. | 1-1/3 | Larigot.....from #13 (repeat top octave)..... | 61 notes |
| 19. | 1 | Zimbel.....from #15 (repeat top octave)..... | 61 notes |
| 20. | 16 | Contre Trompette..... | 85 pipes |
| 21. | 8 | Trompette.....from #20..... | 61 notes |
| 22. | 4 | Clairon.....from #20..... | 61 notes |
| 23. | | Tremolo | |

PEDAL ORGAN

- | | | | |
|-----|----|---|----------|
| 24. | 32 | Untersatz.....see wiring schematic..... | 32 notes |
| 25. | 16 | Principal.....12 pipes, 20 from #1..... | 32 notes |
| 26. | 16 | Bourdon.....12 pipes, 20 from #2..... | 32 notes |
| 27. | 8 | Principal.....from #1..... | 32 notes |
| 28. | 8 | Rohrflote.....from #12..... | 32 notes |
| 29. | 4 | Octave.....from #1..... | 32 notes |
| 30. | 16 | Contre Trompette..from #20..... | 32 notes |
| 31. | 4 | Clairon.....from #20..... | 32 notes |

COUPLERS

32. Great to Pedal
33. Swell to Pedal
34. Swell to Great

ADJUSTABLE COMBINATIONS - Solid State/Single Memory

- | | |
|----------------------|----------------------|
| Pistons No. 1-2-3 | Affecting Great |
| Pistons No. 1-2-3 | Affecting Swell |
| Pistons No. 1-2-3-4 | Affecting Full Organ |
| General Cancel | |
| Combination Adjustor | |
| Combination Lock | |

PEDAL MOVEMENTS

- Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
- Balanced Crescendo 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/ceh

6/4/87

PIPE SCALE SHEET

ORGAN NO. 11755

DATE _____ Pg 4

OTTERBEIN UNITED METHODIST CHURCH

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YORK

PENNSYLVANIA

Customer

City

State

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
Gedeckt	8	85	CC to BB	Reg. Art.	Tapered	Bass Wood	3 1/2"
			TC 68	21 1/2	2/9	CM	
Principal	8	85	43/55/68/81	17 1/2	1/4	12 Zinc SM	3 1/2"
(19 pipes in facade) <i>#1 & #3-20</i>							4 1/2"
Sesquialtera TC	II	98	See Formula Below			<i>#1, 3-20</i>	3 1/2"
						<i>#2, 21-85</i>	
Mixture	III-IV	208	See Formula Below				

SWELL ORGAN

Rohrflote	8	73	56	21 1/2	2/9	17 Zinc CM	3 1/2"
Sm I. S. Chimneys #19-62							
Pull in 8 scales between #62 & 73							
Gemshorn	8	80	CC 56	19 1/2	2/9	12 Zinc SM	3 1/2"
			C 68 1/2	19 1/2	2/9		
			# 56 98	17 1/2	1/6		
Gemshorn Cel. TC	8	49	56 1/2 @ CC	19 1/2	2/9	SM	3 1/2"
Spitzprincipal	4	73	60 2/3	18 1/2	1/4	CM	3 1/2"
Contre Trompette	16	85	3" CCC to FF half length			D(F) Eschallots	3 1/2"
			FF# up full length			Zinc & SM	

PEDAL ORGAN

Principal	16	12	33/43	17 1/2	1/4	12 Zinc	3 1/2"
Bourdon	16	12	Spec. Man. Bdn.			Wood	3 1/2"

GREAT II SESQUIALTERA TC FORMULA

12 10
17 12

13-56 57-61

2-2/3 74 Sc. @ #13 17-1/2 2/9 mouth SM (Pull in 6 Sc. between #50-61)

1-3/5 82 Sc. @ #13 17-1/2 1/5 mouth SM (Pull in 6 Sc. between #45-56, break AT #57)

PIPE SCALE SHEET

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STOP

PITCH

PIPES

SCALE

HALVING

MOUTH

REMARKS

W.P.

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 SM
Quint 50 Sc 17-1/2 1/4 mouth SM

32 UNTERSATZ WIRING SCHEMATIC

Notes #1-12 plays Pedal 16 Bourdon #1-12

Notes #1-12 plays Pedal 16 Bourdon #8-12 and Great 8 Gedeckt #1-7

Notes #13-32 plays Pedal 16 Bourdon #1-12 and Great 8 Gedeckt #1-8

CNG/ceh
6/4/87