

11769 FIRST UNITED METHODIST CHURCH, CLEVELAND, MISSISSIPPI

SPECIFICATIONS FOR SERIES 80-12 ORGAN PLUS CELESTE REVISED

To be completed June 1, 1988

2/16

GENERAL

(1) ORGAN

Cabinet & Enclosure	Chamber installation, refer to layout
	Great - Facade with paneling
	Swell - Silvite (Charcoal Brown)
Wood & Finish	Rift Sawn Oak - to customer's sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Custom Design
Wood & Finish	Rift Sawn Oak - to customer's sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone and Walnut - 4 oz. touch
Pedal Compass	CCC to G, 32 notes
Stop Controls	Walnut Draw Knobs and Maple Tilting Tablets
Action	All Electric

(3) BLOWER (detached)

Type	Ventus 612112 1 HP 3360 RPM
Wind	580 CFM @ 4" - 7" outlet (40 @ 6-1/2")
Current Specification	1 Phase 60 Cycles 240 Volts 5.3 Amperes
Overall Size	1'-11 1/4" L. x 1'-7 1/4" W. x 1'-9" H.

(4) POWER UNIT (mounted in organ space)

Rating	DC output: 10-15 Volts 50 Amperes
AC Input	1 Phase 60 Cycles 120 Volts 9.5 Amperes
Overall Size	13-3/4" x 11" x 6" high

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CONSOLE AND ORGANGREAT ORGAN - Unenclosed

1	16	Bourdon.....	97 pipes
2	8	Principal.....	85 pipes
3	8	Bourdon.....from #1.....	61 notes
4	4	Octave.....	61 pipes
5	4	Gedeckt.....from #1.....	61 notes
6	2	Super Octave..from #2.....	61 notes
7	2	Flute.....from #1.....	61 notes
8	II	Sesquialtera TC.....	98 pipes
9	III-IV	Mixture.....	208 pipes

GREAT ORGAN - continued

10	8	Trompette.....from #22.....61 notes
11		Tremolo
12		Chimes....Mayland bells, action, transformer, relays & volume control, G to G, #20-44.....25 bells

SWELL ORGAN - Enclosed

13	8	Spitzprincipal...from #14, 15 & 17.....61 notes
14	8	Rohrflote.....73 pipes
15	8	Gemshorn.....80 pipes
16	8	Gemshorn Celeste TC.....49 pipes
17	4	Spitzoctave.....73 pipes
18	4	Rohrflote.....from #14.....61 notes
19	2	Principal.....from #17.....61 notes
20	1-1/3	Larigot.....from #15..(repeat top octave)....61 notes
21	1	Octave.....from #17..(repeat top octave)....61 notes
22	16	Contre Trompette.....85 pipes
23	8	Trompette.....from #22.....61 notes
24	4	Clairon.....from #22.....61 notes
25		Tremolo
26 *	16	Festival Trumpet TC...from #27.....49 notes
27 *	8	Festival Trumpet.....61 pipes

* not affected by couplers

PEDAL ORGAN

28	32	Resultant.....Unison & Quint from #30.....32 notes
29	16	Contre Bass.....80 pipes
30	16	Bourdon.....from #1.....32 notes
31	8	Octave.....from #29.....32 notes
32	8	Bourdon.....from #1.....32 notes
33	4	Choral Bass...from #29.....32 notes
34	4	Flute.....from #1.....32 notes
35	III	Mixture.....2, 1-1/3 & 1 from #29.....32 notes
36	32	Reed Cornet...from #14 & 22...see schematic....32 notes
37	16	Contre Trompette...from #22.....32 notes
38	8	Trompette.....from #22.....32 notes
39	4	Clairon.....from #22.....32 notes

COUPLERS

40	Great to Pedal
41	Swell to Pedal
42	Swell to Great
43	Swell to Great 4
44	Great to Swell
45	Great Unison Off
46	Swell Unison Off
47	Swell 4

ADJUSTABLE COMBINATIONS
Solid State-Four Memories

Pistons No. 1-2-3-4-5-6	Affecting Great
Pistons No. 1-2-3-4-5-6	Affecting Swell
Toe Studs No. 1-2-3-4-5-6	Affecting Pedal
Pistons No. 1-2-3-4-5-6-7-8-9-10	Affecting Full Organ (duplicated by toe studs)
General Cancel	
Combination Adjustor	
Memory Selector	
Combination Lock (A open; Key lock for B-C-D)	

REVERSIBLES

Tutti - toe stud with indicator light (red jewel)
Great to Pedal - toe stud
Swell to Pedal - toe stud
32 Resultant - toe stud
32 Reed Cornet - toe stud

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

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
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GREAT ORGAN - Unenclosed

Bourdon	16	97	CCC TC 68	Spec. Man. Bdn. 21	2/9	Wood #1-16 CM #17 up	³ X -1/2 3-1/2
Principal	8	85	43/55/67/80/93	17	1/4	12 Zinc SM #1-12 #13 up	³ X -1/2 3-1/2
Octave	4	61	58	18	1/4	SM	3-1/2
Sesquialtera TC II		98		See Formula		SM	3-1/2
Mixture	III-IV	208		See Formula		SM	3-1/2

SWELL ORGAN - Enclosed

Rohrflote	8	73	56	21	2/9	12 Zinc CM Sm. I. S. Chimneys #19-62	3-1/2
Gemshorn	8	80	CC 56 C 68-1/2 #56 98	19 19 17	2/9 2/9 1/6	12 Zinc SM #1-12 #13 up	³ X -1/2 3-1/2
Gemshorn Celeste 8 TC		49	CC 56-1/2	19	2/9	SM	3-1/2
Spitzprincipal	4	73	60-2/3	18	1/4	CM	3-1/2
Contre Trompette	16	85	3" CCC to FF half length FF# up full length			Zinc & SM B(F) Esch. C(F)	3-1/2 ^{7"} 6 -1/2
Festival Trumpet	8	61	4-5/8" Reg. Har. @ 1'F#			Zinc & SM B(F) Esch.	^{7"} 6 -1/2

PEDAL ORGAN

Contre Bass	16	80	33/44	17	1/4	24 Zinc SM	3-1/2
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GREAT II SESQUIALTERA TC FORMULA

12	10
<u>17</u>	<u>12</u>
13-56	57-61

2-2/3	74	Sc. @ #13	17-1/2	2/9	mouth SM
1-3/5	82	Sc. @ #13	17-1/2	1/5	mouth SM

C(1/2) Reg. backed
octave in size.

PIPE ANALYSIS - continued

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.	18-1/2	1/4 mouth	SM		
Quint	50 Sc.	18-1/2	1/4 mouth	SM		

32 REED CORNET WIRING SCHEMATIC

6-2/5 #1-12 play 8 Rohrflote #5-16
 4-4/7 #1-12 play 8 Rohrflote #11-22
 3-5/9 #1-12 play 8 Rohrflote #15-26
 #13-32 play 16 Contre Trompette #1-20

RVK/k
 4/8/88