

SPECIFICATIONS FOR A SPECIAL SERIES 80 ORGAN

To be completed November 15, 1988

3/22

GENERAL

(1) ORGAN

Cabinets-2 required	Chamber installation, refer to layout
Wood & Finish	Standard Design
Action	Rift Sawn Oak - to customer's sample
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Custom Design with Rolltop
Wood & Finish	Rift Sawn Oak - to customer's sample
Manuals	Three and Pedal
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Draw Knobs and Tilting Tablets
Action	All electric with under-key contacts

(3) BLOWER (detached)

Type	Ventus 612112 - 1 HP - 3360 RPM
Wind	740 CFM @ 4" - 7" outlet
Current Specification	1 Phase 60 Cycles 240 Volts 5.3 Amperes
Overall Size	1'-9" w. x 1'-11 1/4" l. x 1'-7 5/16" h

(4) POWER UNITS - 2 required (mounted in organ space)

Rating (each)	DC output - 11-15 Volts - 35 Amperes
AC Input (each)	1 Phase 60 Cycles 120 Volts 7.5 Amperes
Overall Size (each)	13 3/4" x 11" x 6"

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CONSOLE AND ORGANGREAT ORGAN -Exposed ?

1	16	Holzgedackt.....	97	pipe
2	8	Principal.....	85	pipe
3	8	Bourdon.....from #1.....	61	note
4	4	Octave.....from #2.....	61	note
5	4	Waldflote.....from #1.....	61	note
6	2	Fifteenth.....from #2.....	61	note
7	2	Blockflote.....from #1.....	61	note
8	II	Sesquialtera TC.....	98	pipe
9	III-IV	Mixture.....	208	pipe
10	8	Trompette.....from #20.....	61	note
11		Tremolo		
12		Chimes.....present	21	bell

SWELL ORGAN - Enclosed 8

13	8	Geigen.....	73	pipe
14	8	Rohrflote.....	85	pipe
15	8	Geigen Celeste TC.....	49	pipe
16	4	Prestant.....from #13.....	61	note
17	4	Spillflote.....from #14.....	61	note
18	2	Flachflote.....from #14.....	61	note
19	III-IV	Scharf.....	208	pipe
20	16	Contre Trompette.....	85	pipe
21	8	Trompette.....from #20.....	61	note
22	4	Clairon.....from #20.....	61	note
23		Tremolo		

CHOIR ORGAN - Enclosed 5

24	8	Gedackt.....	61	pipe
25	8	Gemshorn.....	80	pipe
26	8	Gemshorn Celeste TC.....	49	pipe
27	4	Spitzflote.....	73	pipe
28	2	Principal.....from #27.....	61	note
29	1 1/3	Quinte.....from #25.....	61	note
30	1	Klein Octave..from #27.....	61	note
31	8	Cromorne.....	61	pipe
32		Tremolo		

PEDAL ORGAN 1

33	32	Untersatz.....from #1.....	32	note
34	16	Principal.....	80	pipe
35	16	Holzgedackt...from #1.....	32	note
36	8	Octave.....from #34.....	32	note
37	8	Rohrflote.....from #14.....	32	note
38	4	Choralbass....from #34.....	32	note
39	III	Mixture.....from #34.....	32	note
40	32	Trompette Cornet III...from #14 & 20.....	32	note
41	16	Contre Trompette...from #20.....	32	note
42	8	Cromorne.....from #31.....	32	note
43	4	Cromorne.....from #31.....	32	note

COUPLERS

44	Great to Pedal	53	Swell to Choir
45	Swell to Pedal	54	Swell to Choir 4
46	Swell to Pedal 4	55	Swell 16
47	Choir to Pedal	56	Swell Unison Off
48	Choir to Pedal 4	57	Swell 4
49	Swell to Great	58	Choir Unison Off
50	Swell to Great 4	59	Choir 4
51	Choir to Great		
52	Choir to Great 4		

ADJUSTABLE COMBINATIONS

Solid State - Single Memory

Pistons No. 1-2-3-4-5-6	Affecting Great
Pistons No. 1-2-3-4-5-6	Affecting Swell
Pistons No. 1-2-3-4-5-6	Affecting Choir
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
General Cancel	
Setter Piston	
Combination Lock	

PEDAL MOVEMENTS

Great to Pedal reversible (duplicated by manual piston)
 Swell to Pedal reversible
 Tutti reversible (duplicated by manual piston) with indicator light
 Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Expression Pedal - Choir Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light

ACCESSORIES

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

RVK/k

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PIPE ANALYSIS

<u>STOP</u>	<u>PITCH</u>	<u>PIPES</u>	<u>SCALE</u>	<u>HALVING</u>	<u>MOUTH</u>	<u>REMARKS</u>
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GREAT ORGAN - Exposed

Holzgedackt	16	97	#1 Reg. Man. Bdn.	Wood	#1- ⁸ 16	4-1
			#13 Reg. Art. Tap. Bass	Wood	# 1 ⁹ up	3-1
			#25 68	21	2/9	SM
			#49 78-3/4	18	1/5	SM
Principal	8	85	45/56	17	1/4	12 Zinc SM
						#1-10
						# 1 ¹¹ up
Sesquialtera TC II		98	See formula			SM
Mixture	III-IV	208	See formula			SM

SWELL ORGAN - Enclosed

Geigen	8	73	56	19	1/4	12 Zinc SM
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PIPE ANALYSIS - ContinuedSWELL ORGAN - Continued

Rohrflote	8	85	#1 56	21	2/9	12 Zinc CM	3-1/2
						Sm. I. S. Chimneys #19-36	
			#37 76	17	2/9	SM	
						Spillflote LTT #37 up	
Geigen Celeste	8 TC	49	56	19	1/4	SM	3-1/2
Scharf	III-IV	208	See formula			SM	3-1/2
Contre Trompette	16	85	3" CCC to FF half length			C(F) Esch.	3-1/2
			FF# up full length			Zinc & SM	

CHOIR ORGAN - Enclosed

Gedackt	8	61	Reg. Artiste Gedeckt			Wood	3-1/2
Gemshorn	8	80	CC 56	19	2/9	12 Zinc SM	
			C 68-1/2	19	2/9	#1-12	3-1/2
						#13 up	3-1/2
Gemshorn Celeste	8 TC	49	CC 56-1/2	19	2/9	SM	3-1/2
Spitzflote	4	73	57-3/4	17	2/9	SM	3-1/2
Cromorne	8	61	1"	Reg. SM Tube		B(F) Esch.	3-1/2

PEDAL ORGAN

Principal	16	80	31/43/55/68/81	17	1/4	24 Zinc SM	3-1/2
						#1-22	4 1/2
						#23 up	3 1/2

GREAT II SESQUIALTERA IO FORMULA

12	10
17	12
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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

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	8
26	22	19	15	15	12
29	26	22	19	19	15
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1-12	13-24	25-39	40-49	50-56	57-61

Unison	46	Sc.	18-1/2	1/4	mouth	SM
Quint	48	Sc.	18-1/2	1/4	mouth	SM

PIPE ANALYSIS - ContinuedSWELL III-IV SCHAFÉ FORMULA

15	12	8	8	8
19	15	12	12	15
22	19	15	15	
	22	19		
1-17	18-36	37-45	46-58	59-61

Unison 49 Sc. 19-1/2 1/4 mouth
 Quint 50 Sc. 19-1/2 1/4 mouth

32 UNTERSATZ WIRING SCHEMATIC

#1-12 play 16 Holzgedackt #1-12
 #1-12 play 16 Holzgedackt #8-19
 #13-32 play 16 Holzgedackt #1-20

32 TROMPETTE CORNET III WIRING SCHEMATIC

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

PEDAL III MIXTURE WIRING SCHEMATIC

15th - #1-32 play 16 Principal #37-48
 19th - #1-32 play 16 Principal #44-75
 22nd - #1-32 play 16 Principal #49-80