

M. P. MOLLER ORGAN FACTORY

M-5041 FIRST UNITED METHODIST CHURCH, SHREVEPORT, LOUISIANA

SPECIFICATIONS FOR SPECIAL 80 SERIES ORGAN
FOR USE WITH PRESENT ORGAN R-175 - 1986

To be completed November 1, 1988 ¹⁹⁸⁹

GENERAL

(1) ORGAN

Cabinet & Enclosure	Chamber installation - refer to layout Unenclosed - Facades and Frames Enclosed - Silvite (Charcoal Brown)
Wood & Finish	Birch - to customer's sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

None

(3) BLOWER (located in organ space)

Type	Ventus 612112 - 1 HP - 3360 RPM
Wind	540 CFM @ 4" - 7" outlet
Current Specification	3 Phase 60 Cycles 120 Volts 5.3 Amperes
Overall Size	1'-7 1/4" wide x 1'-11 1/4" long x 1'-9" high

(4) POWER UNIT (mounted in organ space)

Rating	DC output - 11-15 Volts - 20 Amperes
AC Input	1 Phase 60 Cycles 120 Volts 4.5 Amperes
Overall Size	9" wide x 10-1/2" deep x 5" high

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CONSOLE AND ORGAN

GALLERY ORGAN - Unenclosed

* 1	8	Principal.....	61 pipes
2	4	Octave.....	61 pipes
3	2	Super Octave.....	61 pipes
4	III-IV	Mixture.....	208 pipes

9-23
* In facade as ~~practical~~

GALLERY ORGAN - Enclosed

5	16	Bourdon.....	73 pipes
6	8	Bourdon.....from #5.....	61 notes
7	8	Gemshorn.....	61 pipes
8	8	Gemshorn Celeste TC.....	49 pipes
9	4	Spillflote.....	61 pipes
10	8	Trompette.....	61 pipes
11		Tremolo	

GALLERY PEDAL ORGAN

12	32	Untersatz.....Unison & Quint from #5.....	32 notes
13	16	Principal.....	56 pipes
14	16	Bourdon.....from #5.....	32 notes
15	8	Octave.....from #13.....	32 notes
16	8	Bourdon.....from #5.....	32 notes
17	4	Choralbass.....from #13.....	32 notes
18	4	Flute.....from #5.....	32 notes
19	III	Mixture.....	96 pipes
20	32	Reed Cornet...from #5 & 21.....	32 notes
21	16	Contre Trompette...12 pipes, 20 from #10.....	32 notes
22	4	Clairon.....from #17.....	32 notes

RVK/k 6/20/88

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PIPE ANALYSIS

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

GALLERY ORGAN - Unenclosed

Principal	8	61	45	17	1/4	²³ 12 Zinc SM	3-1/2"
Octave	4	61	57	18	1/4	SM	3-1/2"
Super Octave	2	61	70	18	1/4	SM	3-1/2"
Mixture	III-IV	208	See formula			SM	3-1/2"

GALLERY ORGAN - Enclosed

Bourdon	16	73	CCC Reg. Man. Bdn. Wood #1-16 4-1/2"				
			CC Reg. Art. Tap. Bass Wood #17 up 4-1/2"				
			TC 68	21	2/9	CM	3
			Sm. I. S. Chimneys #19-62				
Gemshorn	8	61	CC 56	19	2/9	12 Zinc SM	3
			C 68-1/2	19	2/9	#1-12	4-1/2"
Gemshorn Celeste	8 TC	49	C 68-1/2	19	2/9	SM	3-1/2"
Spillflote	4	61	55/64	17	2/9	LTT 12 Zinc SM	3-1/2"
Trompette	8	61	2-1/4"	#1-6 1/2 length		C(F) Esch. Zinc & SM	3-1/2"

PEDAL ORGAN

Principal	16	56	32	18	1/4	24 Zinc SM	3-1/2"
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PIPE ANALYSIS - continued

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
Mixture	III	96	See formula				3-1/2"
Contre Trompette 16	12	3"	1/2 length			C(F) Esch. Zinc & SM	3-1/2"

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 SCHEME

6-2/5	#1-12 Play 16 Bourdon #17-28
4-4/7	#1-12 play 16 Bourdon #23-34
3-5/9	#1-12 play 16 Bourdon #27-38
	#13-32 play 16 Contre Trompette #1-20

PEDAL III MIXTURE FORMULA

15	Unison	44 Sc. at 8'	17-1/2	1/4 mouth
19	Quint	45 Sc. at 8'	17-1/2	1/4 mouth
22				
1-32				