

AR SERIES ORGAN
 EARMARK FOR
 #11675 FOREST HILLS PRESBYTERIAN CHURCH, MARTINSVILLE, VIRGINIA
 SPECIFICATIONS FOR SERIES 80-12 + CELESTE ORGAN
 TO BE COMPLETED - DECEMBER 1, 1984

GENERAL

(1) ORGANS

Great	Exposed - Divided, provide enclosures
Wood & Finish	To customer's sample
Swell (Chamber)	
Cabinet (1) Required	Standard Design - No grilles
Wood & Finish	Silvite, Charcoal Brown
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design
Wood & Finish	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 (Blower Room)

Type	2-P-211Z - 3/4 H.P. - 1725 RPM
Wind	420 c.f.m. @ 3-1/2" - 8" Outlet
Current Specification	1 Phase - 60 Cycles - 240 Volts - 5.2 Amperes
Overall Size	2' - 9 3/4" x 1' - 10-3/8" x 2' - 3-3/4" high

(4) POWER UNIT (~~Swell Organ~~ *Blower Room*)

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 ORGAN

GREAT ORGAN - Exposed

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	8	Gemshorn-----from #14-----	61 notes
5	4	Octave-----from #2-----	61 notes
6	4	Gedeckt-----from #1-----	61 notes
7	2	Super Octave-----from #2-----(repeat 5 top notes)-----	61 notes
8	2	Flute-----from #1-----(repeat 5 top notes)-----	61 notes
9	II Rks.	Sesquialtera TC-----	98 pipes
10	III-IV Rks.	Mixture-----	208 pipes
11		Chimes-----(prepared for in console only)	
12		Tremolo	

SWELL ORGAN - Enclosed

13	8	Rohrflöte-----	73 pipes
14	8	Gemshorn-----	80 pipes
15	8	Gemshorn Celeste TC -----	49 pipes
16	4	Spitzprincipal-----	73 pipes
17	4	Rohrflöte -----from #13-----	61 notes
18	2	Spitzoctave-----from #16-----	61 notes
19	1-1/3	Larigot-----from #14--(repeat top octave)-----	61 notes
20	1	Klein Octave-----from #16--(repeat top octave)-----	61 notes
21	16	Contre Trompette-----	80 pipes
22	8	Trompette -----from #21-----	61 notes
23	4	Clairon-----from #21--(repeat 5 top notes)-----	61 notes
24		Tremolo	

PEDAL ORGAN

25	16	Bourdon-----from #1-----	32 notes
26	8	Principal-----from #2-----	32 notes
27	8	Rohrflöte-----from #13-----	32 notes
28	4	Octave-----from #2-----	32 notes
29	4	Gedeckt-----from #1-----	32 notes
30	III Rks.	Mixture-----from #10-----	32 notes
31	16	Contre Trompette---from #21-----	32 notes
32	4	Clairon-----from #21-----	32 notes

COUPLERS

33	Great to Pedal
34	Swell to Pedal
35	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3	Affecting Great
Pistons Xo. 1-2-3	Affecting Swell
Toe Studs No. 1-2-3	Affecting Pedal
Pistons No. 1-2-3-4-5	Affecting Full Organ
General Cancel	

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	WIND PRESSURE
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GREAT ORGAN - Exposed

Bourdon	16	92	CCC to BBB Reg. Man. Bourdon CC 56	21-1/2	2/9	Wood 17 Zinc CM	#1-12 4-1/2" #13 up 3-1/2"
Principal	8	80	45	17-1/2	1/4	¹² / 19 Zinc SM	#1-12 4-1/2" #13 up 3-1/2"
Mixture	III-IV	208	See Formula Below				
Sesquialtera	TC II	98	See Formula Below				

SWELL ORGAN - Enclosed

Rohrflöte	8	73	56	21-1/2	2/9	18 Zinc CM Sm I.S. Chimneys #19-62 Pull in 8 scales between #62 & 73	3-1/2"
Gemshorn	8	80	CC 56 C 68-1/2 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc SM	3-1/2"
Gemshorn Celeste	TC 8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc SM	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc CM	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & SM	3-1/2"

GREAT III-IV MIXTURE FORMULA

	22	19	15	12	12	12
	26	22	19	15	15	15
	29	26	22	19	19	
		29	26	22		
	1-17	18-29	30-36	37-49	50-54	55-61
Unison	47 Sc.	17-1/2	1/4 mouth	SM		
Quint	49 Sc.	17-1/2	1/4 mouth	SM		

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 scale between #50-61)
1-3/5	82 Sc. @ #13	17-1/2	1/5 mouth	SM	(Pull in 6 scale between #45-56, break at #57)