

AR SERIES ORGAN
 EARMARK FOR
 11674 - ALL SAINTS CONVENT, CATONSVILLE, MARYLAND
 SPECIFICATIONS FOR SERIES 80-8+ ORGAN
 TO BE COMPLETED - NOVEMBER 1, 1984

GENERAL

a) ORGAN

Cabinet & Enclosures

Wood & Finish
 Action
 Wind Pressure
 Pitch

Great - Exposed - Provide Enclosure
 Swell - Double Deck, Special Design
 Rift Sawn Oak - to customer's sample
 Electro-Pneumatic (unit type)
 See Pipe Analysis
 A-440 @ 70°F

b) CONSOLE

Cabinet
 Wood & Finish
 Manuals
 Manual Compass
 Pedal Compass
 Stop Controls
 Action

Standard Design
 Rift Sawn Oak - to customer's sample
 Two and Pedal
 CC to C4, 61 notes
 CCC to G, 32 notes
 Tilting Tablets
 All Electric with under-key contacts

c) BLOWER (mounted below organ)

Type
 Wind
 Current Specification
 Overall Size

2-P-2116 - 3/4 H.P. - 1750 RPM - 6" outlet
 300 c.f.m. @ 3-1/2"
 3 Phase - 60 Cycles - 270 Volts - 2.6 Amperes
 2' - 5 3/4" long x 1' - 10 3/8" wide x 2' - 6-1/4" high

d) POWER UNIT (mounted below organ)

Rating
 AC Input
 Overall Size

DC Output: 10-15 Volts - 30 Amperes
 1 Phase - 60 Cycles - 120 Volts - 10 Amperes
 16-3/4" long x 11" wide x 7-1/4" high

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CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

8	Principal-----	85 pipes
8	Rohrflöte-----from #9-----	61 notes
8	Gemshorn-----from #10-----	61 notes
4	Octave-----from #1-----	61 notes
4	Spillflöte -----from #9-----	61 notes
2	Super Octave-----from #1-----	61 notes
III-IV	Mixture-----	208 pipes
	Blank----- (prepared for in console only)	

(*) Exposed

SWELL ORGAN (Enclosed)

9	8	Rohrflöte-----	80 pipes
10	8	Gemshorn-----	80 pipes
11	8	Gemshorn Celeste TC-----	49 pipes
12	4	Spillflöte-----from #9-----	61 notes
13	4	Gemshorn-----from #10-----	61 notes
14	2	Blockflöte-----from #9---(repeat 5 top notes)-----	61 notes
15	1-1/3	Larigot-----from #10--(repeat top octave)-----	61 notes
16	1	Siffelöte-----from #9---(repeat 17 top notes)-----	61 notes
17	16	Contra Fagotto-----	73 pipes
18	8	Fagotto-----from #17-----	61 notes
19	4	Hautbois-----from #17--(repeat top octave)-----	61 notes
20		Tremulant	

PEDAL ORGAN

21	32	Untersatz-----See Wiring Schematic-----	32 notes
* 22	16	Bourdon-----12 pipes, 20 from #9-----	32 notes
23	8	Principal-----from #1-----	32 notes
24	8	Rohrflöte-----from #9-----	32 notes
25	4	Octave-----from #1-----	32 notes
26	4	Rohrflöte-----from #9-----	32 notes
27	III	Mixture-----from #7-----	32 notes
28	32	Reed Cornet-----See Wiring Schematic-----	32 notes
29	16	Contre Fagotto-----from #17-----	32 notes
30	4	Hautbois-----from #17-----	32 notes

(*) Exposed

COUPLERS

31	Great to Pedal
32	Swell to Pedal
33	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4
General Cancel

Affecting Pull Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
Balanced Crescenddo 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 (Unenclosed)

* Principal	8	85	45	17-1/2	1/4	10 Zinc S.M.	#1-18 4-1/2" #19 up 3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"

SWELL ORGAN (Enclosed)

Rohrflöte	8	80	CC to BB TC 68	Reg. Art. Tapered Bass 21-1/2	2/9	Wood 6 Zinc C.M.	#1-4 4-1/2" #5 up 3-1/2"
				Sm. I.S. Chimneys	19-62		
				Pull in 8 scales between	#62-73		
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 S.M.	#1-12 4-1/2" #13 up 3-1/2"
Gemshorn Celeste TC 8		49	56-1/2 @ CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Contra Fagotto 16		73	3"	CCC to FF	1/2 length	Zinc & S.M. D(F) Eschallots	3-1/2"

PEDAL ORGAN

* Bourdon	16	12	Reg. Man. Bourdon			Wood	4-1/2"
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(*) Exposed

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	S.M.		
Quint 49 Sc.	17-1/2	1/4 mouth	S.M.		

32 UNTERSATZ WIRING SCHEMATIC

#1-12 plays Pedal 16 Bourdon #1-12
 #1-12 plays Pedal 16 Bourdon #8-19
 #13-32 plays Pedal 16 Bourdon #1-20

32 REED CORNET WIRING SCHEMATIC

#1-12 plays Swell 8 Rohrflöte #5-16
 #1-12 plays Swell 8 Rohrflöte #11-22
 #1-12 plays Swell 8 Rohrflöte #15-26
 #13-32 plays Swell 16 Contra Fagotto #1-20