

AR SERIES ORGAN

EARMARK FOR

#11748 - OUR LADY OF SORROWS CATHOLIC CHURCH, TAKOMA PARK, MARYLAND

SPECIFICATIONS FOR SERIES 80-8+ - REVISED

TO BE COMPLETED - SEPTEMBER 1, 1987

2/10

GENERAL

(1) ORGAN

Cabinet	Great - Unenclosed - Facade
Wood & Finish	Swell - Standard Design, Grilles only, left access
Action	Rift Sawn Oak, to customer's sample
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design - 80- U
Wood & Finish	Rift Sawn Oak, 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 (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	300 c.f.m. @ 4" - 6" outlet
Current Specification	1 Phase - 60 Cycles - 120 Volts - 6.6 Amperes
Overall Size	1'-9 1/2" x 1'-5 3/4" x 1'-8 1/2" high

(4) POWER UNIT (mounted in organ cabinet)

Rating	DC Output: 10-15 Volts - 35 Amperes
AC Input	1 Phase - 60 Cycles - 120 Volts - 10± Amperes
Overall Size	11" long x 11" wide x 5" high

CONSOLE AND ORGANGREAT ORGAN (Unenclosed)

1.	8	Principal-----	85 pipes
2.	8	Rohrflöte-----	from #10-----61 notes
3.	8	Gemshorn-----	from #11-----61 notes
4.	4	Octave-----	from #1-----61 notes
5.	2	Super Octave-----	from #1-----61 notes
6.	III-IV	Mixture-----	208 pipes
7.		Blank	
8.		Blank	
9.		Blank	

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SWELL ORGAN (Enclosed)

10.	8	Rohrflöte-----	⁷³ 85 pipes
11.	8	Gemshorn-----	80 pipes
12.	8	Gemshorn Celeste TC-----	49 pipes
13.	4	Spitzprincipal-----	73 pipes
14.	4	Waldflöte-----	61 notes
15.	2	Octavin-----	61 notes
16.	1-1/3	Larigot-----	61 notes
17.	8	Trompette-----	61 pipes
18.		Tremolo	

PEDAL ORGAN

19.	32	Untersatz-----	see wiring schematic-----	32 notes
20.	16	Principal-----	12 pipes, 20 from #1-----	32 notes
* 21.	16	Subbass-----	12 pipes, 20 from #10-----	32 notes
22.	8	Principal-----	from #1-----	32 notes
23.	8	Rohrflöte-----	from #10-----	32 notes
24.	4	Octave-----	from #1-----	32 notes
25.	32	Reed Cornet-----	see wiring schematic-----	32 notes
26.	16	Contre Trompette-----	12 pipes, 20 from #17-----	32 notes
27.	4	Clairon-----	from #17-----	32 notes

(*) Unenclosed

COUPLERS

28.	Great to Pedal 8	33.	Great 4
29.	Swell to Pedal 8	34.	Swell 16
30.	Swell to Great 16	35.	Swell Unison Off
31.	Swell to Great 8	36.	Swell 4
32.	Swell to Great 4		

ADJUSTABLE COMBINATIONS
Solid State - Single Memory

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

Affecting Full Organ (duplicated by toe levers)

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

GENERAL: Panelwork for exposed mechanism by Church.

AEN/jm
4-28-87

SPECIFICATIONS FOR SERIES 80-8+ ORGAN - Revised

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
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GREAT ORGAN - Unenclosed

Principal (#1-9 in facade)	8	85	43/55/67/80/93	17-1/2	1/4	Zinc SM	3-1/2"
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Mixture	III-IV	208	See Formula Below				
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SWELL ORGAN - Enclosed

Rohrflöte	8	85 ⁷³	CC to BB Spec. Man. Bdn. TC 68	21-1/2	2/9	Wood CM	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	12 Zinc SM	3-1/2"
			Pull in 12 scales between #69 & 80				

Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	SM	3-1/2"
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Spitzprincipal	4	73	60-2/3	18-1/2	1/4	CM	3-1/2"
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Trompette	8	61	2-1/4" CC to FF half length FF# & up full length			D(F) Eschallots	3-1/2"
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PEDAL ORGAN

Principal (in facade)	16	12	33/43	17-1/2	1/4	Zinc	3-1/2"
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Subbass	16	12	Spec. Man. Bdn.			Wood	3-1/2"
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Contre Trompette	16	12	3" CCC to BBB half length			D(F) Eschallots	3-1/2"
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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.	17-1/2	1/4 mouth	SM
Quint	50 Sc.	17-1/2	1/4 mouth	SM

32 UNTERSATZ WIRING SCHEMATIC

Notes #1-12 plays Ped. 16 Bourdon #1-12

Notes #1-12 plays Ped. 16 Bourdon #8-12 & Sw. 8 Rohrflöte #1-7

Notes #13-32 plays Ped. 16 Bourdon #1-12 & Sw. 8 Rohrflöte #1-8

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STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESS
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32 REED CORNET WIRING SCHEMATIC

6-2/5 notes #1-12 plays Sw. 8 Rohrf1öte #5-16

4-4/7 notes #1-12 plays Sw. 8 Rohrf1öte #11-22

3-5/9 notes #1-12 plays Sw. 8 Rohrf1öte #15-26

notes #13-32 plays Ped. 16 Contre Trompette #1-12 & 8 Trompette #1-19