

AR SERIES ORGAN
EARMARK FOR

11737 - BEAUTIFUL SAVIOR LUTHERAN CHURCH, OMAHA, NEBRASKA
SPECIFICATIONS FOR A SERIES 80-12+ ORGAN
TO BE COMPLETED - JUNE 1, 1987

REVISED

2)B

GENERAL

(1) ORGAN

Cabinets Two(2) Required	Standard Design - Layout will be provided
Wood & Finish	Silvite - no grilles
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 ⁰ F

(2) CONSOLE

Cabinet	Standard Design with rolltop
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 (mounted in organ space)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	440 c.f.m. @ 4" - 6" outlet
Current Specification	1 Phase - 60 Cycles - 120 ²⁰⁸ Volts - 4.6 ^{3.8} Amperes
Overall Size	1'-9 1/2" x 1'-5 3/4" x 1'-8 1/2" high

(4) POWER UNIT (mounted in organ space)

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 - Unenclosed

1	16	Gemshorn -----#1-12 quinted from #3, #13 up from #15-----	61 notes
2	8	Principal -----	85 pipes
3	8	Gedeckt -----	85 pipes
4	8	Gemshorn -----from #15 -----	61 notes
5	8	Gemshorn Celeste -----from #16 -----	49 notes
6	4	Octave -----from #2 -----	61 notes
7	4	Gedeckt -----from #3 -----	61 notes
8	2	Super Octave -----from #2 -----	61 notes
9	2	Gedeckt -----from #3 -----	61 notes
10	II Rks.	Sesquialtera TC -----	98 pipes
11	III-IV Rks.	Mixture -----	208 pipes
12		Tremolo	
11A	8	<i>Trompette</i>	<i>61 notes</i>
		<i>FROM #20</i>	

SWELL ORGAN - Enclosed

13	8	Spitzprincipal -----#1-12 from 14 & 15, #13 up from #17-----	61 notes
14	8	Rohrflöte -----	73 pipes
15	8	Gemshorn -----	80 pipes
16	8	Gemshorn Celeste TC-----	49 pipes
17	4	Spitzprincipal -----	73 pipes
18	4	Rohrflöte -----from #14 -----	61 notes
19	2-2/3	Rohrnazard -----from #14 -----	61 notes
20	2	Spitzoctave -----from #17 -----	61 notes
21	1-1/3	Larigot -----from #15 (repeat top octave) -----	61 notes
22	16	Contre Trompette -----	85 pipes
23	8	Trompette -----from #22 -----	61 notes
24	4	Clairon -----from #22 -----	61 notes
25		Tremolo	
21A	1	<i>KLEIN OCTAVE</i> <i>FROM #17 (Repeat top octave)</i>	<i>61 notes</i>

PEDAL ORGAN

26	32	Untersatz -----see wiring schematic -----	32 notes
27	16	Principal -----12 pipes; 20 from #2 -----	32 notes
28	16	Bourdon -----12 pipes; 20 from #3 -----	32 notes
29	8	Octave -----from #2-----	32 notes
30	8	Rohrflöte -----from #14 -----	32 notes
31	4	Choralbass -----from #2 -----	32 notes
32	4	Gedeckt -----from #3 -----	32 notes
33	III	Mixture -----from #11 -----	32 notes
34	32	Trompette Cornet -----see wiring schematic -----	32 notes
35	16	Contre Trompette -----from #22 -----	32 notes
36	4	Clairon -----from #22 -----	32 notes

COUPLERS

37	Great to Pedal
38	Swell to Pedal
39	Swell to Great
40	Swell 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
Toe Levers 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*
Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
Balanced Crescendo Pedal with indicator light (green)

ACCESSORIES

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

RVK/a
11/13/86

SPECIFICATIONS FOR SERIES 80-12+ ORGAN - REVISED

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE	
<u>GREAT ORGAN - Unenclosed</u>								
Principal	8	85	45	17-1/2	1/4	12 Zinc SM	#1-12 4-1/2 #13 up 3-1/2	
Gedeckt	8	85	CC to BB Reg. Art. Tapered Bass TC 68	21-1/2	2/9	Wood CM	#1-4 4-1/2 #5 up 3-1/2	
Sesquialtera	II	98	See Formula Below					
Mixture	III-IV	208	See Formula Below					
<u>SWELL ORGAN - Enclosed</u>								
Rohrflöte	8	73	56	21-1/2	2/9	12 Zinc CM Sm. I.S. Chimneys #19-62	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	12 Zinc SM	Pull in 8 scales between #62 & 73 3-1/2	
Gemshorn Celeste	8 TC	49						3-1/2
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	CM	3-1/2	
Contre Trompette	16	85	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & SM	3-1/2	
<u>PEDAL ORGAN</u>								
Principal	16	12	33	17-1/2	1/4	Zinc	4-1/2	
Bourdon	16	12	Reg. Man. Bourdon			Wood	4-1/2	

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)

SPECIFICATIONS FOR SERIES 80-12+ ORGAN - REVISED

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		S.M.	
Quint	50 Sc.	17-1/2	1/4 mouth		S.M.	

32 UNTERSATZ WIRING

Notes #1-12 play Pedal 16 Bourdon #1-12
 Notes #1-12 play Pedal 16 Bourdon #8-12 & Great 8 Gedeckt #1-7
 Notes #13-32 play Pedal 16 Bourdon #1-12 & Great 8 Gedeckt #1-8

32 TROMPETTE CORNET WIRING

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

16 Gemshorn Wiring

Notes #1-12 plays 8 Gedeckt #1-12
 Notes #1-12 plays 8 Gedeckt #8-19
 Notes #13-32 plays 8 Gemshorn #1-20

8 Spitzprincipal Wiring

Notes #1-12 plays 8 Rohrflöte #1-12
 Notes #1-12 plays 8 Gemshorn #1-12
 Notes #13-32 plays 4 Spitzprincipal #1-49