

AR SERIES ORGAN
 EARMARK FOR
 #11679 - BETHLEHEM LUTHERAN CHURCH, CARSON CITY, NEVADA
 SPECIFICATIONS FOR SERIES 80-8 + CELESTE ORGAN
 TO BE COMPLETED - APRIL 1, 1985

GENERAL

(1) ORGAN

Cabinet & Enclosure	Great - Exposed - Provide enclosure
Wood & Finish	Swell - Standard Design
Action	Rift Sawn Oak, M-4150-2
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Special - Modified A6
Wood & Finish	Rift Sawn Oak, M-4150-2
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Draw Knobs
Action	All Electric with under-key contacts

(3) BLOWER (located in robing room)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	300 c.f.m. @ 3-1/2"
Current Specification	1 Phase - 60 Cycles - 240 Volts - 3.6 Amperes
Overall Size	2'-5 3/4" L x 1'-10 3/8" W x 2'- 6 1/4"

(4) POWER UNIT (mounted below Swell Organ cabinet)

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	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	4	Rohrflöte-----from #10-----	61 notes
6	2	Super Octave-----from #1-----	61 notes
7	III-IV	Mixture-----	208 pipes
8		Chimes-----Mayland tubes and electric action, relay, transformer and volume control, A to F, #22-42-----	21 bells
9		Blank (for Carillon) provide switch in console wired to junction-----	61 notes

SWELL ORGAN (Enclosed)

10	8	Rohrflöte-----	80 pipes
11	8	Gemshorn-----	80 pipes
12	8	Gemshorn Celeste TC-----	49 pipes
13	4	Rohrflöte-----from #10-----	61 notes
14	4	Gemshorn-----from #11-----	61 notes
15	2	Rohrflöte-----from #10--(repeat 5 top notes)-----	61 notes
16	1-1/3	Larigot-----from #11--(repeat top octave)-----	61 notes
17	1	Siffelöte-----from #10--(repeat 17 top notes)-----	61 notes
18	16	Contre Trompette-----	73 pipes
19	8	Trompette-----	61 notes
20	4	Clairon-----from #18--(repeat top octave)-----	61 notes
21		Tremolo	

ANTIPHONAL ORGAN

22	Blank (stop control only)
23	Blank (stop control only)
24	Blank (stop control only)
25	Blank (stop control only)
26	Blank (stop control only)

PEDAL ORGAN

* 27	16	Bourdon-----12 pipes, 20 from #10-----	32 notes
28	8	Principal-----from #1-----	32 notes
29	8	Rohrflöte-----from #10-----	32 notes
30	4	Octave-----from #1-----	32 notes
31	4	Rohrflöte-----from #10-----	32 notes
32	III	Mixture-----from #7-----	32 notes
33	32	Trompette Cornet-----See wiring schematic-----	32 notes
34	16	Contre Trompette-----from #18-----	32 notes
35	4	Clairon-----from #18-----	32 notes

(*) Exposed

COUPLERS

36	Great to Pedal	39	Antiphonal on Great
37	Swell to Pedal	40	Antiphonal on Swell
38	Swell to Great	41	Antiphonal on Pedal

*(Do not engage)*ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

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
GREAT ORGAN - Exposed							
Principal	8	85	45	17-1/2	1/4	18 Zinc S.M.	1-12 4-1/2" 13 up 3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"
SWELL ORGAN - Enclosed							
Rohrflöte	8	80	CC to BB Reg. Art. Tapered Bass TC 68	21-1/2	2/9	Wood 6 Zinc C.M.	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.	3-1/2"
Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Contre Trompette	16	73	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"
PEDAL ORGAN - Exposed							
Bourdon	16	12	Reg. Man. Bourdon			Wood	4-1/2"

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

32 TROMPETTE CORNET Wiring Schematic

~~#1-12 plays Swell 8 Rohrflöte #5-16~~
~~#1-12 plays Swell 8 Rohrflöte #11-22 #5-16~~
 #1-12 plays Swell 8 Rohrflöte #15-26
 #13-32 plays Swell 16 Contre Trompette 1-20

AEN/mr
 12/11/84

Voice at 4 1/2" & 5 1/2" wind pressure for 4800 ft. altitude