

AR SERIES ORGAN
 EARMARK FOR
 #11710 BETHLEHEM LUTHERAN CHURCH, MANLY, IOWA
 SPECIFICATIONS FOR SERIES 80-8 + CLESTE ORGAN
 TO BE COMPLETED APRIL 30, 1986

GENERAL

(1) ORGAN

Cabinets (2)	Great - Standard Design - not expressive
Wood & Finish	Swell - Standard Design - expressive
Action	Rift Sawn Oak, M-4150-2
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design
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	Tilting Tablets
Action	All Electric with under-key contacts

(3) BLOWER (mounted near Great Organ)

Type	Ventus 611412 - ⁴⁵ .46 HP - 3360 RPM
Wind	300 c.f.m. @ 5" - 4" Outlet
Current Specification	1 Phase - 60 Cycles - 120 Volts - 4.4 Amperes
Overall Size	1' - 9-7/16" x 1' - 5-3/4" x 1' - 7-1/2"

(4) POWER UNIT (mounted in Great 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 (Unenclosed in cabinet)

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	8	Trompette -----from #18 -----	61 notes
9		Chimes -----(prepared for in console only)	

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	19 Zinc S.M.	#1-16 4-1/2 #17 up 3-1/2
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Mixture	III-IV	208	See Formula Below				3-1/2
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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
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Gemshorn Celeste	TC 8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc S.M.	3-1/2
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Trompette	8	61	2-1/4"	#1-12	1/2 Length	Zinc & S.M. D(F) Eschallots Graduate pipe diameter at 8' BB to be equal to diameter of GG pipe	3-1/2
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PEDAL ORGAN

Bourdon	16	12	Reg. Man. Bourdon			Wood	4-1/2
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Contre Trompette	16	12	3"	1/2 Length		D(F) Eschallots Zinc	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	15
	29	26	22	19	19		
		29	26	22			
	1-17 12	18-29 13-18	30-36 19-30	37-49 31-49	50-54	55-61 56	57-61 57-61
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.			
Quint	49 Sc. 50	17-1/2	1/4 mouth	S.M.			

AEN/mr
11/19/85