

AR SERIES ORGAN
 BENCHMARK FOR
 #11608, IMMANUEL LUTHERAN CHURCH, MONROE, MICHIGAN
 SPECIFICATIONS FOR A SERIES 80-5 ORGAN
 TO BE COMPLETED - APRIL 18, 1983

2/5

GENERAL

(1) ORGAN

Organ	Standard Design with exposed 8' Principal & enclosure Layout will be supplied
Wood & Finish	Rift Sawn Oak - to customer's sample
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design
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 for stops & couplers.

(3) BLOWER (located below organ)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	260 c.f.m. @ 3-1/2"
Current Specification	1 Ph - 60 Cy - 240 Volts - 3.6 Amperes
Overall Size	2'-5 3/4" Long x 1'-10 3/8" Wide x 2'-6" High

(4) POWER UNIT (located in organ)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input - 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2" Long x 10-3/4" Wide x 7" High

CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

1	16	Bourdon-----from #11 & #23-----61 notes
* 2	8	Principal -----85 pipes
3	8	Rohrflöte -----from #11 -----61 notes
4	8	Gemshorn -----from #12 -----61 notes
* 5	4	Octave-----from #2 -----61 notes
6	4	Rohrflöte-----from #11 -----61 notes
* 7	2	Super Octave-----from #2 -----61 notes
8	2	Flute-----from #11-(repeat 5 top notes)-----61 notes
9	8	Trompette-----from #19-----61 notes
10		Chimes-----Mayland tubes and electric action, relay, transformer and volume control, A to F, #22 to #42-----21 tubes

* Exposed

SWELL ORGAN (Enclosed)

11	8	Rohrflöte-----	80 pipes
12	8	Gemshorn-----	80 pipes
13	8	Gemshorn Celeste TC--(prepare for console only)	
14	4	Spitzprincipal -----	73 pipes
15	4	Rohrflöte -----from #11-----	61 notes
16	2	Spitzoctave-----from #14-----	61 notes
17	1-1/3	Larigot-----from #12--(repeat 12 top notes)-----	61 notes
18	1	Kleinoctave -----from #14--(repeat 12 top notes)-----	61 notes
19	8	Trompette-----	61 pipes
20	4	Clairon -----from #19--(repeat 12 top notes)-----	61 notes
21		Tremolo	

PEDAL ORGAN

22	16	Bourdon-----12 pipes, 20 from #11 -----	32 notes
23	8	Principal-----from #2 -----	32 notes
24	8	Rohrflöte-----from #11 -----	32 notes
25	4	Octave -----from #2 -----	32 notes
26	4	Rohrflöte-----from #11 -----	32 notes
27	8	Trompette-----from #19 -----	32 notes
28	4	Clairon -----from #19 -----	32 notes

COUPLERS

29	Great to Pedal
30	Swell to Pedal
31	Swell to Great

ADJUSTABLE COMBINATIONS

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

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 stage, reverse system)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit on-off switch (lock type) with indicator light (amber jewel)
Concave and radiating pedal keyboard
Organ bench with music shelf
Transparent music rack
Music rack light
Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
<u>GREAT ORGAN</u> - Exposed							
Principal	8	85	45	17-1/2	1/4	19 Zinc S.M.	1-12 4-1/2" 13 up 3-1/2"
<u>SWELL ORGAN</u> - Enclosed							
Rohrflote	8	80	56	21-1/2	2/9	Sm. O.S. Chimneys 1-4 4 1/2" 19-62	
<i>Pull in 12 scales between 68 & 80</i>							
Genshorn	8	80	CC 56, C 68-1/3 #56-98	19-1/2 17-1/2	2/9 1/6	18 Zinc C.M. 17 Zinc S.M.	5 up 3-1/2" 1-12 4 1/2" 13 up 3-1/2"
Spitzprinzipal	4	73	60-2/3	18-1/2	1/4	7 Zinc S.M.	3-1/2"
Trompette	8	61	2-1/4"	#1-6	1/2 Length	Zinc & S.M. D(F) Eschallots	3-1/2"
<u>PEDAL ORGAN</u>							
Bourdon	16	12	Reg. Man. Bdn.			Wood	4-1/2"