

AR SERIES ORGAN
 EARMARK FOR
 #11604 - ST. MATTHEW'S EPISCOPAL CHURCH, HOMESTEAD, PENNSYLVANIA
 SPECIFICATIONS FOR A SERIES 80-8 ORGAN
 TO BE COMPLETED-FEBRUARY 4, 1983

2)8

GENERAL

(1) ORGAN

Great Organ	Unenclosed
Swell Organ	Standard Design, no grille required
	Layout will be supplied
Wood & Finish	Cabinet - Silvite, charcoal brown
Action	Electro-pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design (Reuse panel mouldings & memorial plaque)
Wood & Finish	Rift Sawn Oak - to customer's sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes (4 oz. touch)
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets
Action	All-electric with underkey contacts for stops & couplers

(3) BLOWER (located in blower space)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	260 CFM @ 3-1/2"
Current Specification	1 Phase - 60 Cycles - 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 area)

Rating	DC Output - 10-15 Volts - 30 Amperes
Current Specification	AC Input - 1 Phase - 60 Cycles - 120 Volts - 10 Amps.
Overall Size	14-1/2" long x 10-3/4" wide x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

1	8	Principal-----	85 pipes
2	8	Rohrflöte -----	from #9 -----61 notes
3	8	Gemshorn -----	from #10-----61 notes
4	4	Octave -----	from #1 -----61 notes
5	4	Rohrflöte -----	from #9 -----61 notes
6	2	Super Octave -----	from #1 -----61 notes
7	III-IV	Mixture-----	208 pipes
8		Chimes-----	New Mayland electric action, transformer, volume control, present 1-1/4" tubes A to E, new top F tube-----21 tubes

SWELL ORGAN (Enclosed)

9	8	Rohrflöte-----	80 pipes
10	8	Gemshorn -----	80 pipes
11	8	Gemshorn Celeste TC---(prepared for)	
12	4	Rohrflöte -----from #9 -----	61 notes
13	4	Gemshorn -----from #10-----	61 notes
14	2	Rohrflöte -----from #9 --(repeat 5 top notes)-----	61 notes
15	1-1/3	Larigot -----from #10--(repeat 12 top notes)-----	61 notes
16	1	Sifflöte-----from #9---(repeat 17 top notes)-----	61 notes
17	8	Trompette -----	61 pipes
18	4	Clairon -----from #17--(repeat 12 top notes) -----	61 notes
19		Tremolo	

PEDAL ORGAN

* 20	16	Bourdon-----12 pipes, 20 from #9 -----	32 notes
21	8	Principal-----from #1-----	32 notes
22	8	Rohrflöte -----from #9 -----	32 notes
23	4	Octave -----from #1 -----	32 notes
24	4	Rohrflöte -----from #9 -----	32 notes
25	III	Mixture-----from #7 -----	32 notes
26	16	Contre Trompette -----12 pipes, 20 from #17 -----	32 notes
27	8	Trompette -----from #17 -----	32 notes
28	4	Clairon -----from #17 -----	32 notes

* Unenclosed

COUPLERS

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

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

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

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
GREAT ORGAN (Unenclosed)							
Principal	8	85	45	17-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	III-IV	208	See Formula Below				
SWELL ORGAN (Enclosed)							
Rohrflöte	8	80	56	21-1/2	2/9	Sm. O.S. Chimneys #19-62, 18 Zinc C.M.	3-1/2"
Pull in 12 scales between #68-80							
Gemshorn	8	80	CC 56	19-1/2	2/9	17 Zinc S.M.	3-1/2"
			C 68-1/2	19-1/2	2/9		
			#56 98	17-1/2	1/6		
Trompette	8	61	2-1/4" CC to FF#	Half length		D(F) Eschallots Zinc & S.M.	3-1/2"
PEDAL ORGAN							
* Bourdon	16	12	RMB Sc.			Wood	3-1/2"
Contre Trompette	16	12	3", half length			D(F) Eschallots, Zinc	3-1/2"
* Unenclosed							

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.		

AEN/mr

1/11/83