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AR SERIES ORGAN
EARMARK FOR
#10984 WARD AFRICAN METHODIST CHURCH, PHILADELPHIA, PA.
SPECIFICATION OF A SPECIAL 70-8 ORGAN

219

GENERAL

(1) ORGAN

Great Organ	Exposed
Swell Organ	Enclosed, Fir plywood, no grilles
Wood & Finish	Great - Rift Sawn Oak, M-4150-2
	Swell - Dull Charcoal Brown
	Organ layout will be supplied
Action	Electro-Pneumatic
Wind Pressure	Offsets 4-1/2, Trebles 3-1/2"
Pitch	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

(3) BLOWER (located in organ space)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Rating	500 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 240 Volts - 36 Amps.
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high
	Supply blower enclosure

(4) POWER UNIT (located in organ space)

Rating	DC Output 10-15 Volts, 30 Amperes
Current Specification	1 Ph - 60 Cy - 240 Volts - 5 Amperes
Overall Size	14-1/2" L x 10-3/4" W x 7" H

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon.....	92 pipes
2	8	Principal	80 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	8	Gemshorn.....from #13.....	61 notes
5	4	Octave.....from #2.....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Super Octave.....from #2...repeat 5 top notes.....	61 notes
8	2	Flute.....from #1...repeat 5 top notes.....	61 notes
9	II	Mixture.....	122 pipes
10		Chimes....prepared for console only	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflote.....	73 pipes
13	8	Gemshorn.....	80 pipes
14	8	Gemshorn Celeste TC.....	49 pipes
15	4	Spitzprincipal.....	73 pipes
16	4	Rohrflote.....from #12.....	61 notes
17	2	Spitzoctave.....from #15.....	61 notes
18	1-1/3	Larigot.....from #13...(repeat 12 top notes)	61 notes
19	16	Contre Trompette.....	80 pipes
20	8	Trompette.....from #19.....	61 notes
21	4	Clairon.....from #19...(repeat 5 top notes)	61 notes
22		Tremolo	

PEDAL ORGAN

23	16	Bourdon.....from #1.....	32 notes
24	8	Principal.....from #2.....	32 notes
25	8	Gedeckt.....from #1.....	32 notes
26	8	Gemshorn.....from #13.....	32 notes
27	4	Octave.....from #2.....	32 notes
28	4	Rohrflote.....from #12.....	32 notes
29	III	Mixture.....from #7 & #9.....	32 notes
30	16	Contre Trompette.....from #19.....	32 notes
31	8	Trompette.....from #19.....	32 notes
32	4	Clairon.....from #19.....	32 notes

COUPLER

33 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4 Affecting Full Organ

PEDAL MOVEMENTS

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

ACCESSORIES

Motor and power unit on-off switch (lock type) with indicator light (red jewel)
and related electrical wiring.
Concave and radiating pedal keyboard.
Organ bench with music shelf
Music rack light
Pedal light

SPECIAL PROVISIONS

Rework existing organ case so as to remove the present facade pipes and replace these
with functional pipes of the new Great and Pedal organs.
Present attached console to be removed and new case panel provided.

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon			Wood	) 1-16 ³ 4-1/2"
			CC to BB Reg. Artiste Tapered Bass			Wood	) 17 up 3-1/2"
			TC up Reg. Artiste Treble			Wood & S.M.)	
Principal	8	80	CC 52 TC 60	18-1/2	1/4	¹⁸ Zinc S.M.	) 1-12 ³ 4-1/2"
							) 13 up 3-1/2"
Mixture	II	122	See Formula Below			S.M.	3-1/2"

SWELL ORGAN

Rohrflote	8	73	56	21-1/2	2/9	S.M. O.S. Chimneys	
						¹⁷ Zinc S.M.	3-1/2"
Gemshorn	8	80	CC 54-1/3	17-1/2	2/9	¹⁷ Zinc S.M.	3-1/2"
		#56	102-2/3	20-1/2	2/9		
Gemshorn Celeste	8 TC	49	56-1/3 @ 8'	CC 17-1/2	1/5	5 Zinc, S.M.	3-1/2"
Spitzprincipal	4	73	60-3/4	18-1/2	1/4	5 Zinc S.M.	3-1/2"
Contre Trompette	16	80	2-1/2"	CCC to FF	half length	D(F) Eschallots	
				FF# 7 up	Full length	Zinc & S.M.	3-1/2"

GREAT II MIXTURE FORMULA

19	15	12
22	19	15
1-49	50-56	57-61

Unison	50 Sc.	18-1/2	1/4 mouth	S.M.
Quint	51 Sc.	18-1/2	1/4 mouth	S.M.