

AR SERIES ORGAN
EARMARK FOR
11640 FOUR MILE UNITED PRESBYTERIAN CHURCH, BEAVER, PA.
SPECIFICATIONS FOR A 12 RANK SERIES 80 ORGAN
(PLUS CELESTE)

TO BE COMPLETED: DECEMBER 1, 1984

2/13

GENERAL

ORGAN

Great Organ	Unenclosed, no cabinet - layout will be supplied
Swell Organ	Cabinet - Standard Design without grille
Wood & Finish	Silvite - charcoal brown
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

CONSOLE

Cabinet	Standard Design
Wood & Finish	<i>Rift Sawn Oak & Birch to customer's paint & stain samples.</i>
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 underkey contacts for stops and couplers.

BLOWER (located in blower area)

Type	2-P-2118 - 3/4 HP - 1750 RPM - 8" outlet
Wind	460 CFM @ 3-1/2"
Current Specification	1 Ph - 60 Cy - <u>240</u> Volts <u>5.2</u> Amperes
Overall Size	2'-9 3/4" x 1'-10 3/8" x 2'-6 1/4" high

POWER UNIT (organ space)

Rating	DC Output - 10-15 Volts, 30 Amperes
Current Specification	1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	16-3/4" x 11" x 7-1/4" high

GREAT ORGAN (Unenclosed)

16	Bourdon-----	92 pipes
8	Principal-----	80 pipes
8	Gedeckt -----from #1-----	61 notes
8	Gemshorn-----from #14-----	61 notes
4	Octave-----from #2-----	61 notes
4	Gedeckt-----from #1-----	61 notes
2	Super Octave-----from #2--(repeat 5 top notes)-----	61 notes
2	Flute -----from #1--(repeat 5 top notes)-----	61 notes
II	Sesquialtera TC-----	98 pipes
III-IV	Mixture-----	208 pipes
	Chimes----Mayland tubes and electric actions, relay, transformer and volume control, A to F, #22 to 42-----	21 tubes
	Tremolo	

SWELL ORGAN (Enclosed)

13	8	Rohrflöte-----	73 pipes
14	8	Gemshorn-----	80 pipes
15	8	Gemshorn Celeste TC -----	49 pipes
16	4	Spitzprincipal -----	73 pipes
17	4	Rohrflöte-----from #13-----	61 notes
18	2	Spitzoctave-----from #16-----	61 notes
19	1-1/3	Larigot-----from #14--(repeat 12 top notes)-----	61 notes
20	1	Klein Oktave -----from #16--(repeat 12 top notes)-----	61 notes
21	16	Contre Trompette -----	80 pipes
22	8	Trompette -----from #21-----	61 notes
23	4	Clairon -----from #21--(repeat 5 top notes)-----	61 notes
24		Tremolo	

PEDAL ORGAN

25	32	Untersatz-----from #1-----	32 notes
26	16	Principal-----12 pipes, 20 from #2-----	32 notes
27	16	Bourdon-----from #1-----	32 notes
28	8	Principal-----from #2 -----	32 notes
29	8	Rohrflöte -----from #13-----	32 notes
30	4	Octave-----from #2 -----	32 notes
31	4	Gedeckt-----from #1-----	32 notes
32	III	Mixture-----from #10-----	32 notes
33	16	Contre Trompette-----from #21-----	32 notes
34	4	Clairon -----from #21-----	32 notes

COUPLERS

35	Great to Pedal
36	Swell to Pedal
37	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4	Affecting Great Organ
Pistons No. 1-2-3-4	Affecting Swell Organ
Toe Levers No. 1-2-3-4	Affecting Pedal Organ
Pistons No. 1-2-3-4-5-6	Affecting Full Organ (duplicated with toe levers)
General Cancel	

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) and related wiring.
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	METAL	WIND PRESSURE
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GREAT ORGAN (Unenclosed)

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon CC 56 TC 8 21-1/2 2/9			Wood 5-17 Zinc C.M. wood	3-1/2"
Principal	8	80	45	17-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"
Sesquialtera TC	II	98	See Formula Below				3-1/2"

SWELL ORGAN (Enclosed)

Rohrflote	8	73	56	21-1/2	2/9	Sm. ^{1.5} Chimneys (19-62) 18 Zinc C.M.	3-1/2"
							Pull in 12 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 @ 8' CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"

PEDAL ORGAN

Principal	16	12	33	17-1/2	1/4	Zinc	3-1/2"
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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
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Unison 47 Sc.	17-1/2	1/4 mouth	S.M.
Quint 49 Sc.	17-1/2	1/4 mouth	S.M.

GREAT II SESQUIALTERA TC FORMULA

12	10
17	12

13-56	57-61
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2-2/3	74 Sc. @ #13	17-1/2	2/9 mouth	S.M.	(Pull in 6 scales between 50-61)
1-3/5	82 Sc. @ #13	17-1/2	1/5 mouth	S.M.	(Pull in 6 scales between 45-56, break at 57)

32 UNTERSATZ WIRING

#1-12 plays 16 Bourdon	#1-12 & #8-19
#13-32 plays 16 Bourdon	#1-20