

AR SERIES ORGAN
 EARMARK FOR
 #11496, CALVARY UNITED METHODIST CHURCH, MT. AIRY, MARYLAND
 SPECIFICATIONS OF AN 8 RANK SERIES 70 ORGAN

2/12

GENERAL

(1) ORGAN

Great Organ	Exposed - Reuse and add to present case
Swell Organ	Chamber Installation
	Layout will be supplied
Wood & Finish	Present - no change
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design
Wood & Finish	Rift Sawn Oak to match case
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 blower space)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	480 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 240 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in organ space)

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

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	III-IV	Mixture -----	183 pipes
10		Chimes----(prepared for in console only)	
11		Tremolo	

*Present Organ "M" A to E,
 provide new "2nd" F" tube, new
 Maryland action, relay, transformer
 + volume control
 A to F, #22 to #42 - - - 21 tubes*

SWELL ORGAN (Enclosed)

12	8	Rohrflöte-----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste T.C.-----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflöte -----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	1	Klein Oktave -----from #15 -----	61 notes
20	16	Contre Trompette -----	80 pipes
21	8	Trompette-----from #20 -----	61 notes
22	4	Clairon -----from #20--(repeat 5 top notes) -----	61 notes
23		Tremolo	

PEDAL ORGAN

24	32	Untersatz-----from #1-----	32 notes
25	16	Subbass -----(present pipes) -----	32 pipes
26	16	Bourdon -----from #1-----	32 notes
27	8	Principal -----from #2-----	32 notes
28	8	Rohrflöte -----from #12 -----	32 notes
29	4	Octave -----from #2-----	32 notes
30	4	Gedeckt-----from #1-----	32 notes
31	16	Contre Trompette---from #20 -----	32 notes
32	4	Clairon -----from #20 -----	32 notes

COUPLERS

33	Great to Pedal
34	Swell to Pedal
35	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5	Affecting Full Organ
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 (lock type) with indicator light (amber jewel)
 and related electrical wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf and back rest
 Music rack
 Music rack light
 Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
------	-------	-------	-------	---------	-------	-------	---------------

GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC 68 CC 56	21-1/2	2/9 1/4	Wood) Wood) 17 Zinc C.M.)	3-1/2"
Principal	8	80	48	18-1/2	1/4	15 Zinc S.M.	3-1/2"
Mixture	III-IV	183	See Formula Below			S.M.	3-1/2"

SWELL ORGAN

Rohrflöte	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-#62) 18 Zinc C.M.	3-1/2"
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	8 TC	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

Subbass (present pipes)	16	32					
-------------------------	----	----	--	--	--	--	--

MIXTURE FORMULA

Great III-IV Mixture

15	12	12	12	12
19	15	15	15	
22	19	19		
	22			

1-37	38-49	50-54	55-56	57-61
------	-------	-------	-------	-------

Unison	47 Sc.	17-1/2	1/4 mouth	S.M.
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.