

AR SERIES ORGAN
 EARMARK FOR
 11634 - CHURCH OF THE GOOD SHEPHERD, ST. LOUIS, MISSOURI
 SPECIFICATIONS FOR A 12 STOP SERIES 80 ORGAN
 (PLUS CELESTE)

TO BE COMPLETED: DECEMBER 24, 1983

2/13

GENERAL

(1) ORGAN

Great Organ	Exposed, provide paneling
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak, M-4150-2
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design with roll top
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 with underkey contacts for stops and couplers.

(3) BLOWER (located in blower area)

Type	2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	420 CFM @ 3-1/2"
Current Specification	1 Ph - 60 Cy - 110 Volts - 7.2 Amperes
Overall Size	2'-9 3/4" x 1'-10 3/8" x 2'-6 1/4" high

(4) 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 (Exposed)

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	8	Gemshorn-----from #14-----	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	Flöte -----from #1--(repeat 5 top notes)-----	61 notes
9	II	Sesquialtera TC -----	98 pipes
10	III-IV	Mixture-----	208 pipes
11		Chimes----(prepared for in console only)	
12		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	Bourdon-----from #1-----	-32 notes
27	8	Principal-----from #2-----	-32 notes
28	8	Rohrflöte-----from #13-----	-32 notes
29	4	Octave-----from #2-----	-32 notes
30	4	Gedeckt-----from #1-----	-32 notes
31	III	Mixture-----from #10-----	-32 notes
32	16	Contre Trompette-----from #21-----	-32 notes
33	4	Clairon -----from #21-----	-32 notes

COUPLERS

34	Great to Pedal
35	Swell to Pedal
36	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)
- Great to Pedal reversible (toe lever)

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
- Music rack
- Music rack light
- Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN (Exposed)

Bourdon	16	92	CCC to BBB Reg. Manual Bourdon			5 Wood	
			CC 56 TC 68 21-1/2	2/9		17 Zinc C.M.	3-1/2"
Principal	8	80	CC to BB Reg. art. <i>tapered bass</i>	17-1/2	1/4	18 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"
Gemshorn	8	80	CC 56	19-1/2	2/9		
			C 68-1/2	19-1/2	2/9	17 Zinc S.M.	3-1/2"
			#56 98	17-1/2	1/6		
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"

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.

GREAT II SESQUIALTERA TC FORMULA

12	10
17	12
13-56	57-61

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