

AR SERIES ORGANS
 EARMARK FOR
 #11590,,ST. ANDREW'S LUTHERAN CHURCH, LAKE WORTH, FLORIDA
 SPECIFICATIONS FOR A 10 STOP SERIES 80 (PLUS CELESTE) ORGAN
 COMPLETED: September 25, 1982

2/11
GENERAL

(1) ORGAN

Great Organ	Exposed - provide enclosure
Swell Organ	Special design (7'-1 1/2" x 4'-1" x 7'-10 1/2" H cabinet)
Wood & Finish	Rift Sawn Oak - M-4150-2
Action	Layout will be supplied
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard design
Wood & Finish	Rift Sawn Oak M-4150-2
Manual	Two and Pedal - 4 oz. key touch
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets
Action	All Electric

(3) BLOWER (located below Swell Organ)

Type	Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
Wind	400 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 120 Volts - 7.2 Amperes
Overall Size	2'-5 3/4" x 1'-10 3/8" x 2'-6 1/4"

(4) POWER UNIT (located in Swell Organ)

Rating	DC Output 10-15 Volts - 30 Amperes
Current Specifications	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2" long x 10-3/4" wide x 7" high

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bordun-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	8	Gemshorn-----from #14-----	61 notes
5	4	Octav-----from #2-----	61 notes
6	4	Gedeckt-----from #1-----	61 notes
7	2	Super Octav-----from #2--(repeat 5 top notes)-----	61 notes
8	2	Flute-----from #1--(repeat 5 top notes)-----	61 notes
9	III-IV	Mixtur-----	208 pipes
10	8	Trompette-----from #20-----	61 notes
11		Chimes---Mayland tubes and electric actions, relay, trans- former & volume control; A to F; #22-42-----	21 tubes
12		Tremolo	

SWELL ORGAN (enclosed)

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

PEDAL ORGAN

25	16	Bordun-----from #1 -----	32 notes
26	8	Principal -----from #2 -----	32 notes
27	8	Rohrflöte -----from #13 -----	32 notes
28	4	Octav -----from #2 -----	32 notes
29	4	Flöte -----from #13 -----	32 notes
30	III	Mixtur -----from #9 -----	32 notes
31	16	Contre Trompette--from #20 -----	32 notes
32	4	Clairon -----from #20-----	32 notes

COUPLER

33	Great to Pedal 8'
34	Swell to Pedal 8'
35	Swell to Great 8'

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5

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
 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

Bourdon	16	92	CCC to BBB Reg. Manual	Bourdon	2/9	Wood 17 Zinc C.M.)	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"

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"
Celeste TC	8	49	56-1/2 @ 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.	