

AR SERIES ORGAN
EARMARK FOR
11692 - SECOND CHURCH OF CHRIST, SCIENTIST, ATLANTA, GEORGIA
SPECIFICATIONS FOR SERIES 80-12+ "PROTOTYPE" DOUBLE-DECKED ORGAN
2/13

TO BE COMPLETED - NOVEMBER 15, 1985

ccs Roswell

GENERAL

(1) ORGAN

Cabinets Two (2) Required	Double Decked "Prototype" with enclosures, layout will be provided.
Wood & Finish	Rift Sawn Oak to customer's sample
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 to customer's sample
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 under-key contacts

(3) BLOWER (Mounted Below Organ Cabinet)

Type	2-P-2116 - -1/2 HP - 1750 RPM
Wind	460 c.fm. @ 4" - 6" Outlet
Current Specification	1 Phase - 60 Cycles - 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 (Mounted in Blower Space)

Rating	DC Output: 10-15 Volts, 30 Amperes
AC Input	1 Phase - 60 Cycles - 120 Volts - 10 Amperes
Overall Size	16-3/4" long x 11" wide x 7-1/4" high

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CONSOLE AND ORGAN

GREAT ORGAN

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	Flöte -----from #1---(repeat 5 top notes)-----	61 notes
9	II Rks.	Sesquialtera TC -----	98 pipes
10	III-IV Rks.	Mixtur -----	208 pipes
11		Chimes----- (prepared for in console only)	
12		Tremolo	

SWELL ORGAN

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	Spitzoctav-----from #16-----	61 notes
19	1-1/3	Quint-----from #14---(repeat top octave)-----	61 notes
20	1	Klein Octav-----from #16---(repeat top octave)-----	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-----See wiring schematic-----	32 notes
26	16	Principal-----12 pipes, 20 from #2 -----	32 notes
27	16	Bordun -----from #1-----	32 notes
28	8	Octav -----from #2-----	32 notes
29	8	Rohrflöte-----from #13-----	32 notes
30	4	Super Octav-----from #2-----	32 notes
31	4	Flöte -----from #1-----	32 notes
32	III Rks.	Mixtur-----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. 1-2-3-4-5
General Cancel

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

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

AEN/mr

4/11/85

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
<u>GREAT ORGAN</u>							
Bordun	16	92	CCC to BBB Reg. Man. Bourdon CC to BB Reg. Art. Tapered Bass TC 68	21-1/2	2/9	Wood Wood 5 Zinc CM	#1-16 4-1/2" #17 up 3-1/2"
Principal	8	80	45	17-1/2	1/4	26 Zinc SM	#1-5 4-1/2" #13 up 3-1/2"
Mixtur	III-IV	208	See Formula Below				
Sesquialtera	II	98	See Formula Below				
<u>SWELL ORGAN</u>							
Rohrflöte	8	73	56	21-1/2	2/9	18 Zinc CM Sm I.S. Chimneys #19-62 Pull in 8 scales between #62 & 73	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 SM	3-1/2"
Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc SM	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc CM	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & SM	3-1/2"
<u>PEDAL ORGAN</u>							
Principal	16	12	33	17-1/2	1/4	Zinc	3-1/2"

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12	12
26	22	19	15	15	15	15
29	26	22	19	19		
	29	26	22			
1-17 1-12	18-29 13-18	30-36 19-30	37-49 31-49	50-54 50-54	55-61 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.		

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

32 UNTERSATZ WIRING SCHEMATIC

1-12	plays 1-12	16 Bordun
1-12	plays 8-19	16 Bordun
13-32	plays 1-20	16 Bordun