

AR SERIES ORGAN
 EARMARK FOR
 #11531 TABERNACLE BAPTIST CHURCH, RALEIGH, NORTH CAROLINA
 SPECIFICATIONS FOR AN 8 RANK SERIES 70 ORGAN

2/14
GENERAL

(1) ORGAN

Great Organ	Exposed & Expressive, provide enclosure for exposed stops.
Swell Organ	No cabinet Layout will be supplied
Wood & Finish	Rift Sawn Oak to customer's sample 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 to customer's sample M-4150-2
Manual	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-2118 - 3/4 HP - 1750 RPM - 8" outlet		
Wind	440 c.f.m. @ 4"		
Current Specifications	Ph -	Cy -	Volts - Amperes
Overall Size	2' - 9-3/4" x 1' - 10-3/8" x 2' - 6-1/4"		

(4) POWER UNIT (located in console cabinet)

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

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CONSOLE AND ORGAN

GREAT ORGAN (exposed & expressive)

1	16	Bourdon -----	97 pipes
* 2	8	Principal -----	73 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	Flute -----from #1 -----	61 notes
8	II	Sesquialtera T.C. -----	98 pipes
* 9	III-IV	Mixture -----	183 pipes
10	8	Krumhorn- (console only) -----	61 pipes
11		Chimes ---present Maas tubes & electric actions, relay, transformer & volume control, F to F, #18 to #42--	25 tubes
12		Tremolo----expressive stops only	

* Exposed

SWELL ORGAN (enclosed)

13	8	Rohrflote-----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste T.C.--- console only -----	73 pipes <i>49 pipes</i>
16	4	Spitzprincipal-----	73 pipes
17	4	Rohrflote -----from #13 -----	61 notes
18	2	Spitzoctave -----from #16 -----	61 notes
19	1-1/3	Larigot-----from #14 -----	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	16	Principal-----12 pipes, 20 from #2 -----	32 notes
25	16	Bourdon -----from #1 -----	32 notes
26	8	Principal -----from #2 -----	32 notes
27	8	Gedeckt -----from #1 -----	32 notes
28	8	Gemshorn -----from #14 -----	32 notes
29	4	Octave -----from #2.-----	32 notes
30	III	Mixture -----from #9 -----	32 notes
31	16	Contre Trompette----from #20 -----	32 notes
32	8	Trompette -----from #20-----	32 notes
33	4	Clairon -----from #20-----	32 notes

COUPLER

34 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3	Affecting Great organ
Pistons No. 1-2-3	Affecting Swell organ
Toe Studs 1-2-3	Affecting Pedal organ
Pistons No. 1-2-3-4	Affecting Full organ
General Cancel	

PEDAL MOVEMENTS

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

ACCESSORIES

Motors and power unit on-off switch (toggle type) with indicator light (amber jewel)
 and related electrical wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf
 Music rack
 Music rack light
 Pedal light
 Nave shade control, "closed" - "on expression pedal"

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	97	CCC to BBB Reg. Manual Bourdon			Wood)	
			CC to BB Reg. Artiste Tapered Bass			Wood)	3-1/2"
			TC 68	21-1/2	2/9	5 Zinc C.M.)	

Principal	8	73	CC 52 TC 60	18-1/2	1/4	¹² 19 Zinc S.M.	3-1/2"
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Mixture	III-IV	183	See Formula Below				3-1/2"
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Sesquialtera	II TC	98	See Formula Below				3-1/2"
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<i>Krummhorn</i>	8	61	78 Brass tube			B(F) Eschallots	3 1/2"
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SWELL ORGAN

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

Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
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Contre Trompette	16	80	3" CCC to FF half length			D(F) Eschallots	3-1/2"
			FF# up full length			Zinc & S.M.	

<i>Gemshorn Celeste TC</i>	8	49	56/2 @ 8 CC 19 1/2	7/9		5 Zinc S.M.	3 1/2"
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GREAT III-IV MIXTURE FORMULA

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.

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)

Pedal Organ

Principal	16	12	36	18 1/2	1/4	Zinc	3 1/2"
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HW/mr
3/27/81