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REVISED

AR SERIES ORGAN
EARMARK FOR
#11658 - FIRST UNITED METHODIST CHURCH, HAMMOND, LOUISIANA
SPECIFICATIONS FOR SERIES 80-12+ ORGAN
TO BE COMPLETED - DECEMBER 20, 1984

2/15

GENERAL

(1) ORGAN

Cabinet & Enclosures	Great - Exposed - Provide Enclosures
Wood & Finish	Swell - Double Deck, Special Design
Action	Rift Sawn Oak, to customer's sample
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70°F

(2) CONSOLE

Cabinet	Low profile without roll top - Movable platform
Wood & Finish	Rift Sawn Oak, to customer's sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes (4 oz. touch)
Pedal Compass	CCC to G, 32 notes ("S" sharps)
Stop & Coupler controls	Draw Knobs
Action	All Electric with under-key contacts

(3) BLOWER (located below organ)

Type	2-P-2116 - ^{3/4} 1 1/2 H.P. - 1750 RPM
Wind	⁵⁴⁰ 500 c.f.m. @ 3-1/2" - ^{8"} 8" Outlet
Current Specification	1 Phase - 60 Cycles - 208 Volts - ^{5.2} 3.6 Amperes
Overall Size	2' - ⁹ 5 -3/4" x 1' - ^{11"} 10 -3/8" x 2' - 3-3/4" high

(4) POWER UNIT (Mounted below organ)

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

CONSOLE AND ORGAN

GREAT ORGAN

1	16	Bourdon-----	97 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	4	Octave-----	61 pipes
5	4	Gedeckt-----from #1-----	61 notes
6	2	Super Octave-----from #2--(repeat 5 top notes)-----	61 notes
7	2	Flute -----from #1-----	61 notes
8	II Rks.	Sesquialtera TC-----	98 pipes
9	III-IV Rks.	Mixture-----	208 pipes
10	8	Trompette-----from #22-----	61 notes
11		Chimes -----(prepared for in console only)	
12		Tremolo	

SWELL ORGAN

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

PEDAL ORGAN

26	32	Resultant-----See wiring schematic-----	32 notes
27	16	Contra Bass-----	80 pipes
28	16	Bourdon -----from #1-----	32 notes
29	8	Principal -----from #27-----	32 notes
30	8	Rohrflöte -----from #14-----	32 notes
31	4	Choral Bass-----from #27-----	32 notes
32	4	Gedeckt-----from #1-----	32 notes
33	III Rks.	Mixture-----from #27-----	32 notes
34	32	Trompette Cornet---See wiring schematic-----	32 notes
35	16	Contre Trompette-----from #22-----	32 notes
36	8	Trompette -----from #22-----	32 notes
37	4	Clairon -----from #22-----	32 notes

COUPLERS

38	Great to Pedal 8	40	Swell to Great 8	42	Great to Swell 8
39	Swell to Pedal 8	41	Swell to Great 4	43	Swell to Swell 4

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3	Affecting Great
Pistons No. 1-2-3	Affecting Swell
Toe Studs No. 1-2-3	Affecting Pedal
Pistons No. 1-2-3-4-5-6	Affecting Full Organ (duplicated by toe studs)
General Cancel	

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light (green jewel)
 Great to Pedal Reversible
 Tutti Reversible with indicator light (red 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.
 Movable console platform.

AEN/mr
 6/19/84

Revised 10/12/84

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	97	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	#1-12 4-1/2" #13 up 3-1/2"
Principal	8	80	45	17-1/2	1/4	19 Zinc SM	3-1/2"
Octave	4	61	58	18-1/2	1/4	7 Zinc SM	3-1/2"
Mixture	III-IV	208	See Formula Below				
Sesquialtera	II	98	See Formula Below				

SWELL ORGAN

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"

PEDAL ORGAN

Contra Bass	16	80	33/43/56/69/82/95	17-1/2	1/4	29 Zinc SM	#1-8 4-1/2" #9 up 3-1/2"
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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

2-2/3	74 Sc. @ #13	17-1/2	2/9 mouth SM	13-56	57-61	(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)

PEDAL 32 RESULTANT WIRING

Notes #1-12 plays Pedal 16 Bourdon #1-12

Notes #1-12 plays Pedal 16 Bourdon #8-19

Notes #13-32 plays Pedal 16 Bourdon #1-20

PEDAL 32 TROMPETTE CORNET WIRING

6-2/5 Notes #1-12 plays Swell 8 Rohrflote #5-16

4-4/7 Notes #1-12 plays Swell 8 Rohrflote #11-22

3-5/9 Notes #1-12 plays Swell 8 Rohrflote #15-26

Notes #13-32 plays Swell 16 Contra Trompette #1-20

PEDAL III MIXTURE WIRING

15th notes 1-32 play 16 Principal #37-68

19th notes 1-32 play 16 Principal #44-75

22nd notes 1-32 play 16 Principal #49-80

1-32