

REVISED
AR SERIES ORGAN
EARMARK FOR

#11726 - CHRIST LUTHERAN CHURCH, MIDDLETOWN, CONNECTICUT
SPECIFICATIONS FOR SERIES 80-12 + ORGAN
TO BE COMPLETED - SEPTEMBER 1, 1986

GENERAL

(1) ORGAN

Organ Case	Special Design - Speaking Facade Pipes - Custom Layout
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
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 in Blower Room)

Type	Style 2-P-2116 - 1/2 HP - 1750 RPM
Wind	460 c.f.m. @ 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'-3 1/4"

(4) POWER UNIT (Mounted in Blower Room)

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 (Unenclosed)

1	16	Gemshorn-----#1-12 from #28, #13 up from #15-----61 notes
2	8	Principal-----80 pipes
3	8	Gedeckt-----80 pipes
4	8	Gemshorn-----from #15-----61 notes
5	4	Octave -----from #2-----61 notes
6	4	Spillflöte-----from #3-----61 notes
7	2	Super Octave-----from #2--(repeat 5 top notes)-----61 notes
8	2	Flute -----from #3--(repeat 5 top notes)-----61 notes
9	II Rks.	Sesquialtera TC -----98 pipes
10	III-IV Rks.	Mixture-----208 pipes
11		Trompette-----from #22-----61 notes
12		Chimes-----present Deagan - 1-1/4" electric to be reinstalled by others - provide switch in organ-----21 notes
13		Tremolo

(*) #1-17 in facade

SWELL ORGAN (Enclosed)

14	8	Holzgedeckt-----	73 pipes
15	8	Gemshorn-----	80 pipes
16	8	Gemshorn Celeste TC -----	49 pipes
17	4	Spitzprincipal -----	73 pipes
18	4	Holzgedeckt-----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	Untersatz-----See Wiring Schematic-----	32 notes
27	16	Principal-----12 pipes; 20 from #2-----	32 notes
28	16	Bourdon-----12 pipes; 20 from #3-----	32 notes
29	8	Principal-----from #2-----	32 notes
30	8	Holzgedeckt-----from #14-----	32 notes
31	4	Octave-----from #2-----	32 notes
32	4	Spillflöte -----from #3-----	32 notes
33	III Rks.	Mixture-----from #10-----	32 notes
34	16	Contre Trompette---from #22-----	32 notes
35	4	Clairon -----from #22-----	32 notes

(*) In facade

COUPLERS

36	Great to Pedal
37	Swell to Pedal
38	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4 Centered under Swell

5-6-7-8 Centered under Great

General Cancel

Affecting Full Organ - No. 7-8 duplicated b
toe levers.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.*Signal light with marker for Vestibule.*

AEN/mr

3/13/86

Revised AEN/mr 4/3/86

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
GREAT ORGAN - Unenclosed							
Gedeckt	8	80	CC to BB Reg. Art. Tapered Bass TC 68-5 7/8 21-1 1/2 2/9 21-6 9 Spillflote 17-1/2 2/9 L.T.T.			Wood 5 Zinc SM SM	3-1/2"
Principal #1-17 in facade)	8	80	45	17-1/2	1/4	19 Zinc SM	3-1/2"
Sesquialtera	II	98	See Formula Below				
Mixture	III-IV	208	See Formula Below				
SWELL ORGAN - Enclosed							
Holzgedeckt	8	73	CC to BB Reg. Art. Tapered Bass TC up Reg. Art. Treble			Wood Wood & SM	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							
Principal #1-12 in facade)	16	12	33	17-1/2	1/4	Zinc	3-1/2"
Bourdon	16	12	Reg. Man. Bourdon			Wood	3-1/2"
GREAT II SESQUIALTERA TC FORMULA							
			12 17	10 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)		

(continued next page)

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12	12
26	22	19	15	15	15	
29	26	22	19	19		
	29	26	22			
1-12	13-18	19-30	31-49	50-54	55-56	57-61
Unison	47 Sc.	17-1/2	1/4 mouth	SM		
Quint	50 Sc.	17-1/2	1/4 mouth	SM		

32 UNTERSATZ WIRING SCHEMATIC

Notes #1-12 plays Pedal 16 Bourdon #1-12
 Notes #1-12 plays Pedal 16 Bourdon #8-12 & Great 8 Gedeckt #1-7
 Notes #13-32 plays Pedal 16 Bourdon #1-12 & Great 8 Gedeckt #1-8