

AR SERIES ORGAN

EARMARK FOR

11662 - TRINITY EVANGELICAL LUTHERAN CHURCH, BELOTT, WISCONSIN
SPECIFICATIONS FOR SERIES 80-12+ ORGAN AND 80-2 ORGAN
TO BE COMPLETED - AUGUST 9, 1984

2116 w/ Antiph

GENERAL

(1) ORGAN

Great and Pedal Organ
Swell Organ Cabinet
Antiphonal Organ Cabinet
Wood & Finish
Action
Wind Pressure
Pitch

Exposed, provide enclosures
Standard Design
Special Design
Rift Sawn Oak to customer's sample
Electro-Pneumatic (unit type)
See Pipe Analysis
A-440 @ 70°F

(2) CONSOLE

Cabinet
Wood & Finish
Manuals
Manual Compass
Pedal Compass
Stop Controls
Action

Special Design with roll top
Rift Sawn Oak to customer's sample
Two and Pedal
CC to C4, 61 notes
CCC to G, 32 notes
Tilting Tablets
All Electric with under-key contacts

(3) BLOWERS Two (2) Required (Main organ blower mounted behind Swell organ cabinet)
(Antiphonal organ blower mounted in organ cabinet)

Main organ blower

Type
Wind
Current Specification
Overall Size

2-P-2118 - 3/4 H.P. - 1750 RPM
500 c.f.m. @ 4" - 8" outlet
1 Phase - 60 Cycles - 240 Volts - 5.2 Amperes
2' - 9-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

Antiphonal organ blower

Type
Wind
Current Specification

Meidinger #602 - .15 HP - 3360 RPM
120 c.f.m. @ 4-1/4" - 3-1/8" Outlet
1 Phase - 60 Cycles - 120 Volts - 2.2 Amperes

(4) POWER UNIT

Rating
AC Input
Overall Size

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

CONSOLE AND ORGANGREAT ORGAN (Exposed)

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1 -----	61 notes
4	8	Gemshorn-----from #15 -----	61 notes
5	4	Octave -----from #2 -----	61 notes
6	4	Gedeckt-----from #1 -----	61 notes
7	2	Super Octave-----from #2--(repeat 5 top notes)-----	61 notes
8	2	Flute-----from #1--(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---Mayland bells and action, relay, transformer and	
13		volume control, A to F, #22-42-----	21 bells
		Tremolo	

SWELL ORGAN (Enclosed)

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	Spitzoctav-----from #17 -----	61 notes
20	1-1/3	Larigot-----from #15--(repeat top octave)-----	61 notes
21	1	Kleinoctav-----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	16	Contrabass-----	32 pipes
27	16	Bourdon-----from #1-----	32 notes
28	8	Principal-----from #2-----	32 notes
29	8	Rohrflöte-----from #14-----	32 notes
30	4	Octave-----from #2-----	32 notes
31	4	Gedeckt-----from #3-----	32 notes
32	IV Rks.	Cornet (32')-----from #1 - see formula-----	32 notes
33	IV Rks.	Mixture-----from #2 & #10-----	32 notes
34	16	Contre Trompette---from #22-----	32 notes
35	8	Trompette-----from #22-----	32 notes
36	4	Clairon -----from #22-----	32 notes

(*) Exposed

ANTIPHONAL ORGAN (Unenclosed)

8	Rohrgedeckt-----	95 pipes
4	Principal -----	73 pipes
4	Spillflöte -----from #37-----	61 notes
2	Octave-----from #38-----	61 notes
2	Blockflöte-----from #37-----	61 notes
1-1/3	Quint-----from #37-----	61 notes
1	Siffelöte-----from #37--(repeat 2 top notes)-----	61 notes

ANTIPHONAL PEDAL ORGAN

16	Bourdon-----12 pipes; 20 from #37-----	32 notes
8	Gedeckt-----from #37-----	32 notes
4	Principal-----from #38-----	32 notes

COUPLERS

Great to Pedal	50	Antiphonal to Great
Swell to Pedal	51	Antiphonal to Swell
Swell to Great	52	Swell Unison Off

ADJUSTABLE COMBINATIONS

s No. 1-2-3-4-5-6-7-8
 eath Swell center)

Affecting Full Organ

PEDAL MOVEMENTS

to Pedal reversible
 ed Expression Pedal - Swell Organ (8 contacts, make to close)
 ed Crescendo Pedal with indicator light (green jewel) Tremolo-Celeste-Chimes cutout switch.

ACCESSORIES

e, radiating pedal clavier

bench with music shelf

arent music rack with light

light

and power unit on-off switches (toggle type) with indicator lights (amber jewel)
 related electrical wiring.

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	92	CCC to BBB Reg. Man. Bourdon			Wood	
			CC To BB Reg. Art. Tapered Bass			Wood	3-1/2"
Principal	8	80	TC 68	21-1/2	7/9	5 Zinc CM	3-1/2"
			45	17-1/2	1/4	19 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 C.M.	3-1/2"
						Sm I.S. Chimneys #19-62	
						Pull in 8 scales between #62 & 73	
Gemshorn	8	80	CC 56	19-1/2	2/9	17 Zinc SM	3-1/2"
			C 68-1/2	19-1/2	2/9		
			#56 98	17-1/2	1/6		
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			D(F) Eschallots	
			FF# up full length			Zinc & SM	3-1/2"

PEDAL ORGAN

Contrabass	16	32	33	17-1/2	1/4	32 Zinc	4-1/2"
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ANTIPHONAL ORGAN

Rohrgedeckt	8	95	#1-12 Artiste Tapered bass			Wood	
			#13-30 68	21-1/2	(Rohrflöte) 2/9	(S.I.S. Chimney	4-1/4"
			#31-49 76	18-1/2	(Spillflöte) 2/9	L.T.T. SM	
			#50 up 92	17-1/2	(Open metal) 1/5	SM	
Principal	4	73	60	17-1/2	#1-24 2/9		
					#25 up 1/4	5 Zinc SM	4-1/4"

ANTIPHONAL PEDAL ORGAN

Bourdon	16	12	R.M.B. starting on #4 for scale but correct length for CCC			Wood	4-1/4"
			CCC 5-5/8" x 6-1/2" O.D.				
			BBB 3-11/16" x 4-7/16" O.D.				

MIXTURE FORMULAS

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
13-56	57-61

2-2/3 74 Sc. @ #13 17-1/2 2/9 mouth S.M. (Pull in 6 scale between #50-61)
 1-3/5 82 Sc. @ #13 17-1/2 1/5 mouth S.M. (Pull in 6 scale between #45-56, break at #57)

PEDAL IV CORNET (32') WIRING FORMULA

All from Great Bourdon

<u>Pitch</u>	<u>Compass</u>
10-2/3	8-39
6-2/5	17-48
4-4/7	23-54
3-5/9	27-58