

Documentation by Keith Williams

On reservoir weights “Electrotyping Department St. Joseph’s Technical School”

Single-rise feeder reservoir 72" x 120" with 10" ribs, feeders in place but disconnected, supplying two 24" x 48" curtain-valve reservoirs for Swell and Great.

Great behind and to the left of keydesk, facing straight outwards; Swell to the right of keydesk, facing across;
Swell in on right, 1 main chest with 42" x 72" reservoir, Tibia reservoir 18" x 30"
Choir in middle, 2 42" x 72" reservoirs, 2 smaller reservoirs, 1 feeding high-pressure stops in adjacent Great chamber
Pedal Open Diapason behind and below Great; Pedal Bourdon and Violoncello behind Swell

[illegible]

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Pedal 8' Major Trumpet (44-notes)						
1			163			1-12 Techny-madewooden boots, zinc res. Harmonic from 27-44, zinc & common metal
Great 8' 1st Open Diapason						
1			177			1-12 Zinc with zinc slide tuners
13			108			13-61 linen lead with lead lips "OP"
25			66	45	14	leathered lips (painted to match lead) 13-61
37			40.5	26.5	7.5	
49			26.5	17	4.5	no ears
61			17	11	2	
73			11	6.5	1.5	
Great 8' Second Diapason						
1						1-4 offset, 1-9 zinc
13			90	64	19.5	10 – 73 linen lead, zinc feet "OP"
25			56	41	10	
37			34	24	6	
49			20.5	14	3.4	
61			13	8	2	
73			9.5	6.5	1	
Great 8' Muted Viol						
1			85.5			1-9 zinc, 10-73 sm
13			51	33		1-36 big wooden beards, painted grey
25			31	19		10 = "2282" C.S. 26 on back
37			20	12		
49			13	7.5	2	
61			8	4.5	1.2	last ear
73			6.5	3	1	
Great 8' Gross Gamba						
1			c.117			"V. d'Or.", 1-4 offset, 1-17 zinc
13			57.5	35		1-61 slotted, 1-49 painted wooden beards
25			35	19		Spotted metal 18-63, F18 = "#65 54"
37			20.5	12		
49			12	7		
61			7	4	+/-1.5	
73			6.5	3.51	1	top 8ve pipes "Gamba," no slots
Great 8' Gemshorn						
1						1-19 zinc, 13-73 spotted metal
13			71/38	43	12.5/14	1-73 tapered, 1-5 offset "Gem."
25			43/22	24.5	6.5/7.5	ears 1-48
37			26/14.5	14.5	3/4	1-49 scrolls, G20 = "#65 49"
49			16/8	9	2.5	
61			9.5/6	5.5	1.5	
73			6.5/5.5	3.5	1	
Great 8' Gross Flute						
1	89 x 124	16.5				painted pine, hardwood caps and blocks,
13	57 x 91.5 14.5			27		1-12 sw, black stopper handles
25	41 x 58.5 9			17.5		13-61 ow, tuning flaps
37	23.5 x 38.5	7.5			10.5	GROSS FL. standard mouth
49	14.5 x 26 4.5			4		nicking in both block & cap
61	8.5 x 15.5				2	
73			7.5	3.75	1.5	

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Great 8' Melodia						
1						open wood from C1, wooden slides 1-12
13	61 x 70	13			21	Inverted mouth 13 - 55
25	38.5 x 46 11			12.5/14.5		D27 = "This set made in Techny carpenter shop."
37	21.5 x 26.5	8.5			8	harmonic D27 – C73, no holes
49	11.5 x 16.5				7	s.m. from 56- 73, 56 "OM 15"
61			17	13	2.5	
73			10	8	1.5	
85			6	4.5	1	
Great 4' Octave						
1						1-7 zinc, 8-73 spotted metal
13			91.5	70.5	19	1 & 8= "#65 Oct. 55"
25			56	41	10.5	
37			34	24.5	6	
49			19.5	15.5	4	
61			12	9	2.5	
73			7.5	4.5	1	
			5.5	4	1	
Great 4' Flute Ouverte						
1			62.5	42	12.5/15	1-7 slotted zinc w/ slide tuners
13			52	33.5	10/11	8-73 s.m. slide tuners, ears 1-24
25			42	27.5	10/10.5	harmonic 25 – 61, 1 hole in front,
37			27.5	17	4.5/5.5	8 = "65 Fl. G 1"
49			16.5	10	2.5/3	
61			10.5	7	1/1.5	
73			6	3.5	1	62 – 73 common metal
Swell 16' Bourdon						
1						1-12 offset
13	89 x 120	16.5				caps set slightly below block
25	53.5 x 63.5	9.5			26.5/30.5	26.5/30.5 painted pine, black stopper handles
37	34 x 38.5	6.5			17.5/18.5	17.5/18.5 pipes stenciled "STPD. DIAPASON"
49	21 x 26	5			10/10.5	
61	13 x 17	4			6	
73	9 x 12.5	3.5			3	
74			11.5	8	3/3.5	spotted metal, "BOURD"
85			7.5	5	2/2.5	
97						86- 97 on unit chest below main chest
Swell 8' Open Diapason						
1			171			1-19 zinc, 1-12 offset, labeled "GT. OP."
13			102	71	22	painted leathered lips 1-61
25			62	45.5	14.5	20-73 s.m. 20 = "65 GT. OP. 41"
37			36.5	26.5	9	ears 1-48
49			21.5	16	6	
61			13	9.5	3	
73			9	5.5	2	
Swell 8' Geigen						
1			146			1-19 zinc, 1-4 offset, 20-73 s.m.
13			83	58	19.5	beards 1-9, ears 1-48
25			51	37	11	20 = "65 SW. OP. 6 45"
37			31	22.5	7	20 = "Voiced by Tom A. ----" (scribed on back)
49			18.5	8.5	3.5	
61			11	7.5	2.5	
73			8	5	1.5	

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Swell 8' Horn Diapason						
1						1-17 zinc, 1-12 offset, 18-73 common metal
13			.../83			tapered, very heavy nicking
15			86/74.5	58	19	1-73 slotted, scroll tunes
25			59.5/48	39.5	14	18 = "H. DIAP. F"
37			36/29.5	23.5	8.5	
49			23/19	14	4.5	
61			14.5/12.5	8.5	3	
73			9/8	5.5	2	
Swell 8' Salicional						
1						1-17 zinc, 1-4 offset, beards 1-44
13			51	30		18-73 sm, 1-61 slotted
25			30	17		18 = "65 E Sal F 57"
37			18	10.5		beards 1-44
49			11	6	2	
61			7	4	1.5	
73			5.5	4	1	
Swell 8' Celeste						
1			+/-102			1-17 zinc, 18-73 sm, 1-53 beards
13			58.5	35		13 & 18 = "65 F 54"
25			34.5	20		
37			21	12		
49			12.5	7		
61			7	4	1.5	
73			5.5	4	1	
Swell 8' Viole d'Orchestra						
1						1-9 zinc, 1-4 offset, 10-73 Hoyt metal
13			32	21		10 = "#1042 2/9 V.D.O. A"
25			19.5	12.5		1-36 big wooden beards
37			13	8.5		37-52 brass beards
49			9	8		ears 1-61
61			7.5	4.5	2	
73			6	4	1.5	
Swell 8' Aeoline						
1			62.5			1-9 zinc, 10 – 73 Hoyt metal
13			39	25		10 = "2220 AEOL. A" on back "C.M. C.S. 25"
25			25	16		1-24 painted wooden beards, 25-37 metal beards
37			16	10		1-54 ears
49			11	6	2	
61			7.5	4.5	1	
73			6	3	1	
Swell 8' Vox Angelica						
1			67			1-9 zinc, 10 – 73 Hoyt metal
13			42.5	26		10 = "2212 A VOX. ANG." "C.M. C.S.25"
25			27	17		1-36 painted wooden beards, 37-44 metal beards
37			17.5	10.5		1-73 slotted
49			12	8	2.5	
61			9	5	1.5	
73			6	3.5	1	

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Swell 8' Tibia						
1						1-6 offset, 1-61 stopped wood, 62- 85 s.m.
13	75 x 88	20			35/41	pine bodies, clear finish
25	48.5 x 57.5	13			22.5/26	hardwood cap and block face
37	27 x 32.5	10.5		10.5/12		wooden pipes made at Techny
49	15 x 20.5	7		6		
61	9 x 12	4			4.5/6	
62			16	11.5	2.5	"#3"
73			10.5	7.5	1.5	
85						74-85 on unit chest below main chest
Swell 4' Fugara						
1			79	59.5	12	1-7 zinc, 8-73 s.m.
13			46	36	10	1-48 slotted
25			51	37	11	1 = "65 Fug. C 59"
37			16.5	12.5	4	
49			10	7.5	1.5	
61			6.5	5	1	
73			4.5	3	1	
Swell 16' Contra Fag.						
	Diam.	Scroll	Starts down	M.W.	C.U.	Remarks
1	115					1-8 offset, long sockets, shoulders on blocks
13	69	22	66			1-61 caps (originally soldered shut, now ripped open)
25	48	15	27			1-49 zinc & common metal resonators
37	34.5	12	32			50-64 resonators entirely common metal
49	28	9	24.5			flues 65-73
61	26	9	17.5			
64	23.5	7	18			
65	14			9.5	3.5	
73	11			7.5	2.5	
Swell 8' Cornopean						
1	134	37	68			zinc & s.m. resonators C1 block "CC COR"
13	100	32	79			resonators rescaled by 1 pipe C1 res. unlabeled
25	74	24	36			C#2 stamped "CC" with "#" added
37	76.5	25	32.5			harmonic at G32 "HAR. COR."
49	55	17	19			tapered shallots, wood wedges, solder weights
52	55	15.5	19			50 - 52 "H. TRUM."
53	17.5			13	3.5	tuning wires appear to be narrower replacements
61	12.5			9	2	53- 73 s.m. flues
73	8			5	1.5	
Swell 8' Oboe						
	Diam.	Stem L.	Bell L.	Scroll	Starts down	
1	94			30	93	zinc & s.m. resonators, no lids
13	68	752	358	23	44.5	tapered, full open shallots
25	54	356	184	16.5	35	solder weights, wooden wedges
37	47	165	98	14	29	reeds 1-52, s.m. flues 52-73
49	35	62	52	13	14.5	
52	28	52	51	9	9	
53	12.5					M.W. C.U.
61	9					8 3
73	7					6 2
						4 1.5
Swell 8' Vox Humana						
	Diam.					
1	43					"V.H." in box at rear of Swell enclosure
13	37.5					box originally had shutters (since removed)
25	34					long boots 21-33, regulating holes are pointed ovals
37	32					tapered shallots, narrow openings, wooden wedges
49	30.5					reeds 1-52, 53-73 s.m. flues

61	10
73	6

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Choir 16' Dulciana						
1			152	97		1-13 offset zinc, 1-24 zinc w/ zinc slides no slots
13				58		25- 73 Hoyt metal, flat front
25			55	37		1-36 brass beards
37			33.5	22	6/7	1-56 ears
49			21	14	4/5	
61			13.5	8.5	3	
73			9	6	2	
85			6	3.5	1	
97			7	4	1	86-97 on unit chest below main chest
Choir 16' Contra Viol						
1			107	66.5		1-21 zinc, 1-12 offset, 22-85 Hoyt metal
13			61.5	39.5		1-54 painted wooden beards
25			39.5	24.5		55-73 brass beards
37			23.5	15.5		
49			15.5	9.5		
61			10.5	6.5		
73			7	5		
85			5	3.5	1.5	
Choir 8' Diapason						
1			135	118	42	1-10 zinc & common metal
13			93			11 -17 zinc & linen lead
25			55	37	14	"OPEN DIAP"
37			33.5	23.5	8.5	18-73 linen lead
49			22	14.5	5	
61			14	9	3	
73			9	5.5	2	
Choir 8' Quintadena						
1			90	63	19.5/23.5	1-9 zinc w/ zinc caps, 13-61 hoyt metal w/ caps
13			55.5	38.5	13.5	1-36 box beards
25			33.5	23.5	8	62-73 om
37			21	14	5	
49			13	8	4	
61			8.5	6	1.5	
73			5.5	4	1	
Choir 8' Concert Flute						
1	88.5 x 123	16				1-12 sw, 13-60 ow, painted pint
13	51 x 62	9			21.5	13-24 beard inside mouth
25	32 x 37.5 7			12		13-61 cap set below block
37	20 x 26	5.5			8	37 – 60 harmonic with 1 hole in front
49	12.5 x 17 4			4		
61	14			9.5	3.5	61-85 common metal, harmonic 61-73
73	9			4	1.5	
85	5.5			3.5	1	74-85 offset on unit chest below main chest
Choir 8' Unda Maris (t.c.)						
13	39.5 x 45 7.5			24/26		13 = "SW. BOURDON"
25	24 x 30	6			15/16	13 – 49 stopped wood, 13 – 36 ears
37	15 x 20	4.5			8/8.5	
49	11.5 x 14 3			5		
50			22	14	3.5/4	common metal, pipes have been cut down
61			14	9	2.5	
73			9	5.5	1.5	

Choir 8' Trumpet Horn	Diam.	Scroll	Starts down	m.w.	c.u.	
1	127		72.5			solid caps, openings have been cut in them 1-52 pipes stamped "TRUMPET HORN" 1-48 zinc & common metal resonators, zinc boots harmonic 37-52, all common metal 49-52
13	95	31.5	55			
25	73	22.5	27			
37	65	21	35			
49	56.5	18.5	29			
52	55	18	33			
53	15			10.5	3	TRUM H
61	11.5			13	2.5	
73	7			5	1.5	FLUTE

Choir 8' Clarinet	Diam.	Scroll	Starts down	m.w.	c.u.	
1	45					CLAR CC 1-52 zinc boots, zinc stems, s.m. resonators tapered narrow cut shallots, medium openings
13	38					
25	31.5					
37	27					
49	24.5					
52	22.5					
53	17			13	3	
61	12.5			8.5	2	
73	8			5	1.5	

Antiphonal in one enclosure, with 2 sets of shutters, one set facing into the aisle, the other facing towards the main organ
Great in front of Swell, basses along sides and in back, chests for 1-49 at lower level, with chests for 50-73 transversely above
Same style of windchest as main organ, but supply-house electropneumatic switching, older large reservoir buried below lower Swell windchest

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Antiphonal (Great) 8' Diapason						
1			153	105		1-20 offset, 1-24 former façade, painted zinc 1-37 scroll tuned, 38-73 slide tuners 25-61 s.m. 62-73 common metal 1-49 leathered lips
13			90	64	15.5	
25			58	43.5	15.5	
37			36	26	8	
49			21	16.5	4	
61			12.5	10	4	
73			9	5.5	2	
Antiphonal (Great) 8' Dulciana						
1			90			1-12 zinc, 13-73 s.m. 9.5 arched ears 1-44 6 arched 3.5 arched
13			55	33.5		
25			34	21		
37			20	12.5		
49			11.5	7.5	2.5	
61			7.5	5	2	
73			6	4	1.5	62-73 from a different source
Antiphonal (Great) 8' Melodia						
1	85 x 102	13.5				1-12 sw, 13-48 ow 1-48 painted brown cap below block, nicking in both 14 8
13	52.5 x 66	11.5		26.5		
25	35 x 47	8			14	
37	19 x 26	6			8	
49			21.5	14	4 arched	
61			13	8.5	2 arched	49-61 common metal, stamped MEL
73			10	6	2	62-73 from a different source
Antiphonal (Great) 4' Octave						
1			81	61	18	1-7 zinc w/ s.m. mouth, scrolls 8= 58 sc Octave" 8-61 sm, slide tuners
13			49.5	38.5	11	
25			30	22	6.5	
37			17.5	13.5	3.5	
49			11	8.5	2	
61						

	w x d	Wood thick.	Diam.	Mouth width	cut-up	Remarks
Antiphonal (Great) 8' Reed						
1			107			common metal section cylindrical above tapered zinc stem
13			80			1-49 zinc & common metal resonators,
25			56			1-15 zinc boots, then common metal boots
37			56			harmonic from 37-49
49			34			English shallots, medium opening
61			12.5	8.5	3	50-61 common metal flues
73			8	5	1.5	
Antiphonal (Swell) 8' Violin Diapason						
1						1-19 zinc, 20-73 s.m., 1-12 slots, then slide tuners
13			75.5	51		20 = "Violin Diapason 48 sc"
25			44	29	9	1-8 offset
37			27	19	6.5	
49			15	11	3	
61			8.5	6	2	
73			8.5	5	2	62-73 from a different source
Antiphonal (Swell) 8' Salicional						
1						1-12 zinc, 13-73 sm
13			50.5	29		13= "58 sc Salicional C"
25			30	19		metal beards 1-44
37			19	13		
49			12	7.5	2	
61			7.5	5.5	1.5	
73			6	4	1	62-73 from a different source
Antiphonal (Swell) 8' Celeste (t.c.)						
13			54.5	40		13= "CC Violina" 13-73 s.m., slots
25			31	24		13-24 wood beard, possibly originally box beard
37			18	14		24-44 brass beards
49			11	8	2	
61			7	5	1.5	
73			4.5	3	1	
Antiphonal (Swell) 4' Harmonic Flute						
1			79	54	14.5/19	1-7 zinc w/ s.m. mouths, 8-61 s.m.
13			55	35	10/11.5	8= "FLUTER HARMONIC G"
25			39	30	8.5/10	thick ears
37			21	17.5	5c	harmonic 25-61, 1 hole in front
49			12	10	2c	
61			7	5.5	1.5c	
Antiphonal (Pedal) 16' Sub Bass						
						1-30 pine (made at Techny?) painted brown
						31 -44 pipes from an Austin 12 th
Antiphonal 16' Bourdon						
1	165 x 210	25				
13	84 x 104	13				
25	47.5 x 58			14/24		
37	31.5 x 39 9			9.5/14		
49	19 x 23	6			7/8	
61			21	14	4c	
73			13	9	2.5c	
85			9	5.5	2	