

M. P. MÖLLER Organ Factory

4-85

Revised June 24, 1980

October 18, 1979

Pipe Organ No. 11458 Date
 For WESTMINSTER PRESBYTERIAN CHURCH, MINNEAPOLIS, MINNESOTA
 Action Moller's Electro-Pneumatic Console Detached - Present
 Casing No. Present Finish Present - no change
 Decorations None Motor Present Spencer 15 HP - 2 pressure
 Width of Key-bed Standard Stop Controls Draw Knobs & Tilting Table
 No. Manuals FOUR 4 oz. key touch with shallow travel. Wind Pressure See Scale Sheets
 To be Completed November 15, 1980 Blower Pipe furnished by Purchaser

ITCH: A-440

SPECIFICATIONS

GREAT ORGAN - Manual II 21

Unenclosed

16'	Violone.....36.....18-1/2...present pipes, new top octave	27 Zinc S.M.....73 pipes
8'	Principal...43.....17-1/2.....	21 Zinc S.M.....61 pipes
8'	Violone.....from #1.....	61 notes
8'	Bourdon.....52.....21-1/2.....	24 Zinc C.M.....61 pipes
8'	Harmonic Flute....46/56...Reg.....	21 Zinc S.M.....61 pipes
8'	Erzahler....present pipes 48-1/2 / 57-1/2....	17-1/2
		12 Zinc S.M.....61 pipes
4'	Octave.....56.....18-1/2.....	9 Zinc S.M.....61 pipes
4'	Rohrflöte...62.....21-1/2.....	12 Zinc S.M.....61 pipes
4'	Spitzflöte..60-2/3...19-1/2.....	9 Zinc S.M.....61 pipes
2-2/3'	Twelfth.....65.....17-1/2.....	S.M.....61 pipes
2'	Fifteenth...68.....17-1/2.....	S.M.....61 pipes
1-3/5'	Seventeenth.73.....17-1/2.....	S.M.....61 pipes
III-IV	Fourniture.....Formula "A"	S.M.....220 pipes
III	Scharf.....Formula "B"	S.M.....183 pipes
16'	Kontra Trompete....CCC 6", CC 3" ...30-1/2.....	Zinc & S.M.....61 pipes
8'	TrompeteCC 3-1/2"30-1/2	Zinc & S.M.....61 pipes
8'	Festival Trumpet...CC 4"Reg.....	Zinc & S.M.....73 pipes
	Chimes.....Mayland tubes & actions, relay, transformer and	
	volume control, A to F, #22 to 42, omit dampers.....	21 tubes

(*) Not affected by couplers

(28)

SWELL ORGAN - Manual III 23
Expressive

19.	16'	Rohrbass....#1-24 present LMB Sc., 4'	63...21-1/2	24 Wood..12 Zinc C.M.....73 pipes
20.	8'	Rohrflöte	from #19	61 notes
21.	8'	Hohlfloöte...present pipes....	4' C 4-1/4 x 3-3/4 O.D. Wood....	61 pipes
22.	8'	Viola.....present pipes....	50/60.....17-1/2..14 Zinc S.M.....	61 pipes
23.	8'	Viola Celeste....present pipes....	56/64.....17-1/2..14 Zinc Tin....	61 pipes
24.	8'	Spitz Viola II GG...present pipes....	59-2/3 / 68-2/3	17-1/2.....14 Zinc Tin....115 pipes
25.	8'	Flauto Dolce Celeste II TC...	54-1/2 / 60-1/2	17-1/2.....30 Zinc C.M.....110 pipes
26.	4'	Principal.....	57-2/3.....17-1/2.....	9 Zinc S.M.....61 pipes
27.	4'	Waldflöte....	present pipes...60.....20-1/2.....	S.M.....61 pipes
28.	2'	Flotenprincipal.....	6818-1/2.....	S.M.....61 pipes
29.	III-IV	Plein Jeu.....	Formula "C"	S.M.....220 pipes
30.	III	Cymbale.....	Formula "D"	S.M.....183 pipes
31.	16'	Petite Bombarde...CCC 5", CC 3"....	42-1/2.....	Zinc & S.M.....61 pipes
32.	8'	Trompette	CC 3-1/2" ..42-1/2.....	Zinc & S.M.....61 pipes
33.	8'	Hautbois....CC 3" ..Reg. Lift Lid		Zinc & S.M.....61 pipes
34.	8'	Voix Humaine....	present pipes....1-1/8"	61 pipes
35.	4'	Clairon.....C 3"	Reg.....	Zinc & S.M.....61 pipes
36.		Tremolo		

1372

POSITIV ORGAN - Manual I 16
Unenclosed

37.	16'	Quintaton...42/52/62.....	17-1/2.....	30 Zinc S.M.....73 pipes
38.	8'	Spitzprincipal...45-2/3..	17-1/2.....	21 Zinc S.M.....61 pipes
39.	8'	Holzgedeckt.....	Reg. Stpd. Flute.....	Wood61 pipes
40.	8'	Quintaton.....	from #37.....	61 notes
41.	4'	Principal.....	58.....17-1/2.....	9 Zinc S.M.....61 pipes
42.	4'	Spillflöte....	55/64..17-1/2.....	12 Zinc S.M.....61 pipes
43.	2'	Octave.....	71.....17-1/2.....	S.M.....61 pipes
44.	2'	Blockflöte....	62-3/4....17-1/2.....	S.M.....61 pipes
45.	1-1/3'	Quint.....	77.....17-1/2.....	S.M.....61 pipes
46.	1'	Klein Octave...84.....	17-1/2.....	S.M.....61 pipes
47.	III-V	Zimbel.....	Formula "E"	Tin.....244 pipes
48.	16'	Dulcian.....CCC 2"....	Reg. Lift Lid.....	Zinc & C.M.....73 pipes
49.	8'	Trumpet....	present pipes....3-1/2"....	42-1/2 Zinc & S.M.....61 pipes
50.	8'	Krummhorn.....	from #48.....	61 notes
51.		Tremolo		
* 52.	8'	Festival Trumpet.....	from #17.....	61 notes

939

22. 8' Viola present pipes CC 50, 4'C 59, 4'D 60, 4'D# 61 etc
17 1/2 16 ZINC S.M. 61 pipes

23 8' Viola Celeste present pipes CC 56, 4'C 64, 4' F# 67, 4' G 68 etc
17 1/2 15 ZINC TIN 61 pipes

24 8' Spitz Viola II GG present pipes main CC 59 73, 4'C 66 73 etc
Celeste GG 65 73, 4'C 70 73, 4' C# 74 73 etc
17 1/2 16 ZINC TIN 115 pipes

CHOIR ORGAN - Manual I 8

Expressive

53.	8'	Koppelflote....present pipes...CC# 5-3/8 x 4-5/8 O.D. 4' C 60....20-1/2.....12 Wood S.M.....61 pipes
54.	8'	Viole Celeste II TC....present pipes...58/66...17-1/2 14 Zinc S.M.....110 pipes
55.	4'	Gemshorn....present pipes...56-2/3...17-1/2.....2 Zinc S.M.....61 pipes
56.	2-2/3'	Nazard.....present pipes...66.....18-1/2.....S.M.....61 pipes
57.	2'	Piccolo.....present pipes...66/75...17-1/2.....S.M.....61 pipes
58.	1-3/5'	Tierce.....present pipes...70.....18-1/2.....S.M.....61 pipes
59.	8'	Clarinet....present pipes....2" Reg.....Zinc & C.M.....61 pipes
60.		Tremolo

476

SOLO ORGAN - Manual IV 6

Expressive

61.	8'	Flauto Mirabilis TC...3" x 3-7/16" O.D.....Wood.....49 pipes
62.	8'	Gamba.....54.....17-1/2.....12 Zinc S.M.....61 pipes
63.	8'	Gamba Celeste...54...17-1/2.....12 Zinc S.M.....61 pipes
64.	8'	English Horn....CC 3-7/8" Open Cabbage Head...Zinc & S.M.....61 pipes
65.	8'	French Horn....CC 6"Reg.....Zinc & S.M.....61 pipes
66.	8'	Tuba.....CC 5"Reg.....Zinc & S.M.....61 pipes
67.		Tremolo
* 68.	16'	Festival Trumpet TC....from #17.....49 notes
* 69.	8'	Festival Trumpetfrom #17.....61 notes
* 70.	4'	Festival Trumpetfrom #17.....61 notes

354

PEDAL ORGAN II

71.	32'	Resultant 3rd ^{from # 72} Formula ^{Union from # 73}32 notes
72.	32'	Contre Bourdon....#1-3 quinted; #4-56 present pipes and action (at site)....Wood....53 pipes
73.	16'	Diapason....present pipes and action (at site).....Wood....32 pipes
74.	16'	Principal.....33/42...17-1/2.....Zinc....32 pipes
75.	16'	Violone.....from #1.....32 notes
76.	16'	Quintatonfrom #37.....32 notes
77.	16'	Bourdonfrom #72.....32 notes
78.	16'	Flauto Dolce.....45...17-1/2...12 present Choir pipes; 20 from #2532 notes
79.	16'	Rohrbass.....from #1932 notes
80.	10-2/3'	Violone Quint.....from #1.....32 notes
81.	8'	Octave...present pipes...44...18-1/2.....12 Zinc S.M.....32 pipes
82.	8'	Bourdonfrom #7232 notes
83.	8'	Rohrflöte.....from #19.....32 notes
84.	8'	Spitzflöte....present pipes....48-2/3 / 58-2/3...17-1/2 12 Zinc S.M.....56 pipes
85.	6-2/5'	Gross Terz....present pipes...55...17-1/2.....11 Zinc Tin.....44 pipes
86.	5-1/3'	Violone Quint.....from #1.....32 notes
87.	4'	Super Octave....present pipes...56...18-1/2.....S.M.....32 pipes
88.	4'	Spitzflöte.....from #84.....32 notes
89.	3-1/5'	Terzfrom #85.....32 notes
90.	2'	Spitzflötefrom #84.....32 notes

54. 8' Viole Celeste II TC present pipes Union CC 56, 4' C 64 etc.
Celeste TC 67, 4' A 73 etc.

174 182 Zinc S.M.

110 pipes

PEDAL ORGAN (continued)

91.	III	Mixture....present pipes..Formula ^F 16	168 pipes
92.	III	Fourniturefrom #91.....	32 notes
93.	III	Scharf.....from #91.....	32 notes
94.	32'	Gross Sesquialtera IV....Formula ^H 4 ^G 6	32 notes
95.	32'	Contre Bombarde...CCCC 8", CCC 7" #1-12 1/2 L...Zinc & S.M....	68 pipes
96.	16'	Bombarde.....from #95.....	32 notes
97.	16'	Kontra Trompete.....from #15.....	32 notes
98.	16'	Dulzianfrom #48.....	32 notes
99.	8'	Trompette.....from #95.....	32 notes
100.	8'	Festival Trumpet....from #17.....	32 notes
101.	8'	Kontra Trompete.....from #15.....	32 notes
102.	4'	Claironfrom #95.....	32 notes
103.	4'	Krummhorn.....from #48.....	32 notes
104.		Chimesfrom #18	21 notes

COUPLERS

517

4939

105.	Great to Pedal 8'	128.	Positiv to Swell 8'
106.	Swell to Pedal 8'	129.	Great to Positiv-Choir 8'
107.	Swell to Pedal 4'	130.	Swell to Positiv-Choir 16'
108.	Choir to Pedal 8'	131.	Swell to Positiv-Choir 8'
109.	Choir to Pedal 4'	132.	Swell to Positiv-Choir 4'
110.	Positiv to Pedal 8'	133.	Solo to Swell 16'
111.	Solo to Pedal 8'	134.	Solo to Swell 8'
112.	Solo to Pedal 4'	135.	Solo to Swell 4'
113.	Swell to Great 16'	136.	Great to Solo 8'
114.	Swell to Great 8'	137.	Swell to Solo 8'
115.	Swell to Great 4'	138.	Great Unison Off
116.	Choir to Great 16'	139.	Swell 16'
117.	Choir to Great 8'	140.	Swell Unison Off
118.	Choir to Great 4'	141.	Swell 4'
119.	Positiv to Great 16'	142.	Choir 16'
120.	Positiv to Great 8'	143.	Choir Unison Off
121.	Solo to Great 16'	144.	Choir 4'
122.	Solo to Great 8'	145.	Positiv 16'
123.	Solo to Great 4'	146.	Positiv Unison Off
124.	Solo to Positiv-Choir 8'	147.	Solo 16'
125.	Choir to Swell 16'	148.	Solo Unison Off
126.	Choir to Swell 8'	149.	Solo 4'
127.	Choir to Swell 4'		

ADJUSTABLE COMBINATIONS

Remote Control Combination Action

Pistons No. 1-2-3-4-5-6-7-8	Affecting Great
Pistons No. 1-2-3-4-5-6-7-8-9-10	Affecting Swell
Pistons No. 1-2-3-4-5-6-7-8	Affecting Positiv-Choir
Pistons No. 1-2-3-4-5-6	Affecting Solo
Toe Studs No. 1-2-3-4-5-6-7-8	Affecting Pedal (duplicated by manual piston)
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Full Organ (duplicated by toe studs)
General Cancel Piston - Affecting Zimbelstern (duplicated by toe stud)	
Combination Adjustor	

REVERSIBLES

Great to Pedal - manual piston and toe lever
Swell to Pedal - manual piston and toe lever
Positiv to Pedal - manual piston and toe lever
Choir to Pedal - manual piston and toe lever
Solo to Pedal - manual piston and toe lever
Sforzando - red manual piston and toe lever - indicator light (red)
32 Resultant - toe stud
32 Contre Bourdon - toe stud
32 Gross Sesquialtera - toe stud
32' Contre Bombarde - toe stud
Zimbelstern - jamb piston and toe stud
All Swells to Solo (does not cancel other pedals) jamb piston and toe lever - indicator light (blue)
Crescendo - Main or Accompaniment - jamb piston and toe lever - indicator lights (green & amb)
Manual 16's off - jamb piston - indicator light (white)
32's off - jamb piston - indicator light (white)
Tremolos on Main Crescendo and Sforzando - jamb piston - indicator light (white)

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (38 contacts - make to open)
Balanced Expression Pedal - Choir Organ (11 contacts - make to open)
Balanced Expression Pedal - Solo Organ (11 contacts - make to open)
Balanced Crescendo Pedal - Accompaniment (80 contacts) or Main (125 contacts)

ACCESSORIES

Concave, radiating pedal clavier - present
Adjustable organ bench with back rest - present
Transparent music rack - present
Pedal light - new
Narthex signal - jamb piston and light - new
Pulpit signal - jamb piston and light - new
Movable console platform - preparation only
Roll top - present
Motor and blower - present
Motor starter switch - present
DC organ power unit - new
Zimbelstern (10 bells - high pitched) - new
Celestes to affect respective unisons

GENERAL

1. Present facade and panelwork to remain without change.
2. Church to furnish and install new material above facade pipes to replace brown drapery.
3. Church to remove all humidifier equipment from organ chamber.

(cont'd)

4. Church to improve blower room and add filtered air intake.
5. Church to prepare a separate clean room near blower room for Remote Control Combination Action.
6. Church to furnish and install electrical conduits and wind conductors as recommended by our Engineering Department.
7. The present motor/blower to be reused without change or guarantee.
8. Expression shades (Kimball) and shade motors (Moller) to be reused without change for Swell, Choir and Solo. All shade materials carry new organ guarantee.
9. Present console cabinet manual keys, pedal clavier, and bench with backrest to be reused. Console cabinet to be cleaned and polished.
10. All parts of present organ not required to complete this contract are to be removed by and become the property of M. P. Moller, Inc.
11. Removal of present organ to be scheduled after Easter 1980.
12. Church to repair and paint all chamber surfaces, including areas above organ chamber.
13. Estimated weight of organ parts to be located in area above organ chamber is 7000 pounds. Church to determine that structure above organ chamber is sufficient to support this weight.

DMG/mr
7/22/80

MIXTURE FORMULASGREAT ORGAN

III-IV Rks. Fourniture Formula "A" 220 pipes S.M. 3-1/2"

19	15	12	8	8
22	19	15	12	12
26	22	19	15	15
	26	22	19	

1-12	13-24	25-42	43-49	50-61
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Unison 45 Sc. @ 8' 17-1/2 1/4 mouth
 Quint 47 Sc. @ 8' 17-1/2 1/4 mouth

III Rks. Scharf Formula "B" 183 pipes S.M. 3-1/2"

26	22	19	15	12	8
29	26	22	19	15	12
33	29	26	22	19	15

1-12	13-24	25-42	43-49	50-54	55-61
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Unison 48 Sc. @ 8' 17-1/2 1/4 mouth
 Quint 50 Sc. @ 8' 17-1/2 1/4 mouth

SWELL ORGAN

III-IV Rks. Plein Jeu Formula "C" 220 pipes S.M. 4"

15	12	8	8
19	15	12	12
22	19	15	15
	22	19	

1-12	13-36	37-49	50-61
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Unison 46 Sc. @ 8' 17-1/2 1/4 mouth
 Quint 48 Sc. @ 8' 17-1/2 1/4 mouth

III Rks. Cymbale Formula "D" 183 pipes S.M. 4"

22	19	15	12	8
26	22	19	15	12
29	26	22	19	15

1-12	13-36	37-49	50-54	55-61
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Unison 49 Sc. @ 8' 17-1/2 1/4 mouth
 Quint 51 Sc. @ 8' 17-1/2 1/4 mouth

POSITIV ORGAN

III-V Rks. Zimbel Formula "E" 244 pipes Tin 3-

29	26	22	19	15	12	12	12	8
33	29	26	22	19	15	15	15	12
36	33	29	26	22	19	19	19	15
	36	33	29	26	22	22		
				29	26			

1-11 12-16 17-21 22-26 27-38 39-46 47-52 53-56 57-

Unison 56 Sc. @ 8' 17-1/2 1/4 mouth
 Quint 56 Sc. @ 8' 17-1/2 1/4 mouth

PEDAL ORGAN

III Rks. Mixture Formula "F" 168 pipes S.M. 3-1/2"

8	8	46 Sc. @ 8'	18-1/2	1/4 mouth
12	12	46 Sc. @ 8'	17-1/2	2/9 mouth
15	15	48 Sc. @ 8'	17-1/2	1/4 mouth

1-56

IV Rks. Gross Sesquialtera Formula "G" (derived)

1/9' notes #1-32 plays Ped. 8' Spitzflöte unit notes #3 - 34
 1/15' notes #1-32 plays Sw. 16' Rohrbass unit notes #24 - 55
 5/9' notes #1-32 plays Ped. 8' Spitzflöte unit notes #15 - 46
 2/15' notes #1-32 plays Sw. 16' Rohrbass unit notes #36 - 67