

R. A. Ellis
M. P. MOLLER Organ Factory

3/34

Pipe Organ No.	<u>R-198</u>	Date	<u>June 5, 1988</u>
For	<u>ST. MARK'S LUTHERAN CHURCH, HAGERSTOWN, MARYLAND</u>		
Action	<u>Electro-Pneumatic</u>	Console	<u>Present - Rolltop</u>
Casing	<u>Present - Reworked</u>	Finish	<u>Present - No Change</u>
Decorations	<u>None</u>	Motor	<u>Present - 5 HP, 3P-3328</u>
Width of Key-bed	<u>Standard</u>	Tracker Touch	<u>Yes ☒ No ☐</u>
Keys to be	<u>Existing - Reworked</u>	Stop Controls	<u>Draw Knobs and</u>
	<u>4 1/2 ounce touch</u>		<u>Tilting Tablets</u>
No. Manuals	<u>THREE AND PEDAL</u>	Wind Pressure	<u>See Scale Sheet</u>
To be Completed	<u>September 1, 1989</u>	Blower Pipe furnished by	<u>Purchaser</u>

SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY & ADDING TO PRESENT MOLLER ORGAN
OPUS 5637 - 1929, R-385 - 1950 & A-5637 - 1967
31964

CONSOLE

Reuse present console rebuilding as follows:

- Install new electric draw knobs (supplied by Hesco, Inc.)
- Install new electric tilting tablets on new nameboard.
- Install solid state combination action.
- Install solid state couplers.
- Replace all piston buttons and springs and install new as required by specifications.
- Replace crescendo and expression pedal pads and edging.
- Replace burrs and felt washers on manual keys.
- Refelt action as required.
- Install new insulating tips for pedal keys.
- Install new toe studs and toe stud terraces required by specifications.
- Install new toe levers as required by specifications
- Convert present pedal sharps to Skinner style.
- Adjust manual keys to yield 3/8" depth, 3/16" contact firing point and 4 1/2 ounce key touch.
- Recover rolltop.
- Install divisional nameplate cancels.
- Install transposer.

PITMAN CHESTS

- Recover all manual pipe pouches.
- Replace stop action checks and eyelets.
- Replace duplex shifters.
- Recover one 61 note and one 73 note primary stations and install new magnet armatures.
- Recover stop action primaries and install new magnet armatures.
- Replace duplex shifters where required.
- Replace present Great-Choir chest with inventory chest rebuilt and guaranteed as new.
- Rework and/or install new toeboard/rackboard assemblies as required for tonal changes.

OFFSET & UNIT
CHESTS

Recover the following actions and install new magnet armatures.

Great	8	Principal	12 notes
Great	II-IV	Fourniture	61 notes
Swell	16	Bass Gedackt	97 notes
Swell	2	Doublette	61 notes
Swell	III	Plein Jeu	61 notes

Recover all primaries.

CHIMES

Rebuild present actions.
Reuse present bells.

SWITCHES

Install new solid state switches as required.

PEDAL ORGAN

Recover the following actions and install new magnet armatures.

32	Bombarde	12 notes
16	Bordun	44 notes
8	Oktav	44 notes

Recover all primaries and install new magnet armatures.

Install new actions as required.

EXPRESSION

Install 6 electric shade motors.

RESERVOIR

Recover the following reservoirs and install new curtain valves.

Two	2-6 x 4-0 manual
One	1-9 x 3-0 offset
Two	1-6 x 2-0 offset
One	3-6 x 3-6 blower
Three concussions	

TREMOLO

Install new electric tremolos.

PIPES

Install new pipes as indicated by organ specifications.

Revoice all pipes being reused.

Repack all wood pipe stoppers.

Install slide tuners as required.

Reed pipes to be supplied and/or voiced by Trivo, Inc.

CABLES

Install new plastic covered cables between console and organ.

Install new action current wires between console, organ, and DC organ power unit.

ACTION CURRENT Install new 10-15 volts, DC organ power unit.

BLOWER Reuse present 5 HP, Style 3P-3328 motor and blower without change.
 Install new motor-blower coupling leather.
 Install new 14" diameter flexible connection with draw bands.

CASE Revise case and panelwork according to design concept presented and approved by the Committee.

GENERAL All parts from present organ not required to complete this contract are to be removed by and become the property of M. P. Moller, Inc.

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS CC to C4, 61 notes
 PEDAL COMPASS CCC to G, 32 notes
 WIND PRESSURE See Scale Sheet
 PITCH A-440 @ 70 degrees F

NOTE: Present pipes, revoiced as required, unless otherwise indicated.

GREAT ORGAN - Enclosed with Choir 9

1.	16	Rohrquintade.....#1-12 new pipes & action; 12 pipes 49 from #25..... 61 notes
2.	8	Principal.....present pipes repaired; Opus 8263 Open Diapason action, #33-61 unified.....61 pipes
3.	8	Holzbordun.....present Gedackt pipes revoiced & rescaled; Opus 8263 16 Rohrbourdon action, #33-61 unified.....61 pipes
4.	4	Oktav.....#1-3 new pipes, #4-61 present pipes; Opus 8263 Principal action unified..61 pipes
5.	2	Fifteenth.....present pipes; new action...61 pipes
6.	II-IV	Fourniture.....present Mixture pipes & action.....208 pipes
7.		Tremolo
8.		Chimes.....present Deagan bells & action rebuilt; A to F, #22-42.....21 bells
9.		Carillon.....provide switch in console wired to junction.....61 notes
*10.	8	Festival Trumpet...Trivo pipes; new action....61 pipes

SWELL ORGAN - Enclosed 10

11.	16	Bass Gedackt..present Bourdon pipes & action..85 pipes
12.	8	Singend Gedackt...from #11.....61 notes
13.	8	Gambe.....present Salicional pipes & action.....73 pipes
14.	8	Gambe Celeste TC..present Vox Celeste pipes & action.....61 pipes
15.	4	Prestant.....present Principal pipes & action.....73 pipes
16.	4	Flote.....from #11.....61 notes
17.	2	Doublette.....#1-56 present Gr. 2-2/3 Quint pipes, #57-61 new pipes; present Trichter Regal action.....61 pipes
18.	1-1/3	Larigot.....from #11.....61 notes
19.	III	Plein Jeu.....180 present Mixture pipes, 3 new pipes; present Mixture action.....183 pipes
20.	16	Fagott (1/2L).....Trivo pipes; present Oboe action.....73 pipes
21.	8	Trompette.....Trivo pipes; present Trumpet action.....85 pipes
22.	4	Clairon.....from #21.....61 notes
23.		Tremolo
*24.	8	Festival Trumpet..from #10.....61 notes

* Not affected by couplers.

CHOIR ORGAN - Enclosed 13

25.	8	Rohrquintade.....new pipes & action.....61 pipes
26.	8	Dulciana.....present Gr. Dulciana pipes Opus 8263 Gamba action.....61 pipes
27.	8	Unda Maris TC.....present pipes; Opus 8263 Gamba Celeste action unified.....49 pipes
28.	4	Traverse Flote....present Flute d'Amour pipes; Opus 8263 Triangulaire Flute action.....61 pipes
29.	2-2/3	Nasat.....present Nazard pipes & action.....61 pipes
30.	2	Weitprincipal.....present pipes & action.....61 pipes
31.	1-3/5	Tierce TC.....present pipes; new action...49 pipes
32.	III	Zimbel.....new pipes & action.....183 pipes
33.	II	Jeu de Clochette..new pipes; inventory action.....122 pipes
34.	8	Trichter Regal....#1-12 Trivo pipes; #13-up present pipes; station for unit action.....61 pipes
35.		Tremolo

**PEDAL ORGAN 2

36.	32	Untersatz.....from #37.....32 notes
37.	16	Bordun.....present pipes, #13-25 rescaled; present action.....44 pipes
38.	16	Rohrquintade.....from #1 & 25.....32 notes
39.	16	Bass Gedackt.....from #11.....32 notes

PEDAL ORGAN (Continued)

40.	8	Okta v#1-44 inventory pipes, present Principal action; #45-68 new pipes & action.....68 pipes
41.	8	Bordun.....from #37.....32 notes
42.	8	Gedackt.....from #11.....32 notes
43.	4	Choral Bass.....from #40.....32 notes
44.	4	Gedackt.....from #11.....32 notes
45.	III	Mixture.....from #40.....32 notes 2100
46.	32	Bombarde (1/2L)...#1-12 present 16 Double Trumpet pipes & action; #13-24 Trivo pipes, 12 pps new action, 8 from #21.....32 notes
47.	16	Contre Trompette..from #21 & 46.....32 notes 12 pps SW
48.	8	Trompette.....from #21.....32 notes
49.	4	Regal.....from #34.....32 notes

**Pedal Organ playable thru solid state
switches in organ.

COUPLERS

50.	Great to Pedal	62.	Swell to Choir 16
51.	Great to Pedal 4	63.	Swell to Choir
52.	Swell to Pedal	64.	Swell to Choir 4
53.	Swell to Pedal 4	65.	Great 16
54.	Choir to Pedal	66.	Great Unison Off
55.	Choir to Pedal 4	67.	Great 4
56.	Swell to Great 16	68.	Swell 16
57.	Swell to Great	69.	Swell Unison Off
58.	Swell to Great 4	70.	Swell 4
59.	Choir to Great 16	71.	Choir 16
60.	Choir to Great	72.	Choir Unison Off (by tilting tablet)
61.	Choir to Great 4	73.	Choir 4

ADJUSTABLE COMBINATIONS

Solid State - 4 Memories

Pistons No. 1-2-3-4-5-6-7-8	Affecting Great Organ
Pistons No. 1-2-3-4-5-6-7-8	Affecting Swell Organ
Pistons No. 1-2-3-4-5-6-7-8	Affecting Choir Organ
Toe Studs No. 1-2-3-4-5-6	Affecting Pedal Organ
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Full Organ
	(duplicated by toe studs)
General Cancel	
Combination Adjustor	
Memory Selector	
Combination Lock	

REVERSIBLES

Great to Pedal - manual piston and toe stud
Swell to Pedal - manual piston and toe stud
Choir to Pedal - manual piston and toe stud
Sforzando - manual piston and toe lever with indicator light (red jewel)
Transept Shades Closed - toe lever with indicator light (amber jewel)
32 Untersatz - toe stud
32 Bombarde - toe stud
~~Zimbelstern - toe lever~~

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ
Balanced Expression Pedal - Choir-Great Organ
Balanced Crescendo Pedal with indicator light

ACCESSORIES

Concave, radiating pedal clavier
Organ bench with music shelf
Present music rack with light
New transposer - 4 half steps up, center, 4 half steps down with
indicator light (blue jewel)
Divisional nameplate cancels
New DC organ power unit
Present motor and blower
Action current indicator light

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