

Pipe Organ No.	R-111	Date	March 30, 1980
For	MEMORIAL LUTHERAN CHURCH, SHIPPENSBURG, PENNSYLVANIA		
Action	Electro-Pneumatic	Console	Present - Detached
Casing No.	Present Grilles	Finish	No change
Decorations	None	Motor	Present 5 HP, Style 3-P-3328
Width of Key-bed	Standard	Stop Controls	Draw Knobs & Tilting Table
No. Manuals	THREE AND PEDAL	Wind Pressure	4", C.Trp. & Fest.Trp. 5"
To be Completed	September 1, 1980	Blower Pipe furnished by	Purchaser

### SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY & ADDING TO  
PRESENT MOLLER ORGAN OPUS 3821 - 1956

#### CONSOLE

Reuse present console rebuilding same as follows:

Replace all stop and coupler controls and contacts.  
 Replace all combination piston buttons and springs.  
 Replace all stop and coupler pneumatics.  
 Recover combination pneumatics.  
 Recover all primaries and install new magnet armatures.  
 Replace reversibles.  
 Replace crescendo and expression pedal pads and edging.  
 Replace burrs and felt washers on manual keys.  
 Replace all pedal key caps.  
 Refelt pedal keyboard and install new insulating bushings.  
 Refelt action as required.  
 Recover console reservoir.

Recover rolltop.  
 Clean ~~and~~ <sup>Refinish console</sup> polish cabinet, bench and pedal keyboard to match customer's pipe.  
 Install new draw knobs and jamb switches as required by tonal changes  
 and additions.  
*Install new items listed under Accessories.*

#### MANUAL CHESTS

Recover all manual pipe pouches.  
 Replace stop action checks and eyelets being retained.  
 Eliminate duplex shifters.  
 Recover four 61 note primary stations and install new magnet armatures.  
 Recover stop action primaries and install new magnet armatures.  
 Recover two 32 note pedal stations and install new magnet armatures.  
 Unify the following actions:

Great 8 Dulciana	#1-32 (use Pedal Station)
Great IV Mixture	#1-20
Swell 4 Harmonic Flute	#1-61
Swell 16 Contra Trompette	#13-73 (use Pedal Station for #13-44)
Choir 2 Principal	#1-61

ACTIONS

Great	8	Principal	#1-12
Great	8	Spitzflöte	#1-12
Swell	16	Contre Trompette	#1-12

Install the following new actions:

Great	8	Festival Trumpet	#1-61
Swell	4	Harmonic Flute	#62-73
Choir	2	Principal	#62-73
<i>Pedal 32</i>		<i>Bombard</i>	<i>#1-12</i>

CHIMES

Recover chimes action and install new magnet armatures.

SWITCHES

Recover present switches and stop actions and install new magnet armatures, and install new as required for specifications changes.

PEDAL ORGAN

Recover the following actions and install new magnet armatures:

16 Subbass	#1-44
16 Dolce	#1-12
8 Principal	#1-44

Recover present switches and stop actions and install new magnet armatures, and install new as required for specifications changes.

EXPRESSION

Recover two 14 note expression actions and install new magnet armatures.

Recover all shade and bumper pneumatics.

Replace all shade jacks and connecting rods.

Refelt shades.

*Install new shades and actions as required*

*new Great main tone opening.*

RESERVOIRS

Recover the following reservoirs and replace curtain valves as required:

One	3-0 x 6-0	manual
Two	2-6 x 4-0	manual
One	2-0 x 3-0	pedal
Two	1-6 x 2-6	pedal
One	1-6 x 2-0	pedal
Two		expression
One		chimes

Install new 3'-6" x 3'-6" blower reservoir.

TREMOLOS

Install new electro-pneumatic tremolos.

PIPES

Install new pipes as indicated by organ specifications.

Revoice all pipes being reused.

Repack all wood pipe stoppers.

**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, 30 amperes DC organ power unit.

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

**GENERAL** All parts specified above to be rebuilt to be returned to the  
factory of M. P. Moller, Inc. at Hagerstown, Md.

SPECIFICATIONS  
FOR  
CONSOLE AND ORGAN

**MANUAL COMPASS** CC to C4, 61 notes  
**PEDAL COMPASS** CCC to G, 32 notes  
**WIND PRESSURE** 4", Contre Trp. & Fest. Trp. 5"  
**PITCH** A-440 @ 70°F

GREAT ORGAN - Enclosed with Choir 9

1	8	Principal.....	present Diapason pipes & action.....	61 pipes
2	8	Spitzflöte.....	present pipes & action.....	61 pipes
3	4	Octave.....	present pipes & action.....	61 pipes
4	2	Blockflöte .....	present Ch. 2 Blockflöte pipes, present Gr. 2 Super Octave action .....	61 pipes
5	IV Rks.	Mixture (1-1/3)...	new pipes; present 2-2/3 Octave Quint action (unify #1-20 for Ped. borrow) .....	244 pipes
* 6	8	Festival Trumpet...	new pipes & action .....	61 pipes
7		Chimes .....	present Deagan 'M' tubes & action A to F, #22 to #42 .....	21 tubes
8		Tremolo (jamb switch)		

\* Affected by intra-manual couplers ~~only~~ ~~unenclosed~~ *and Great to Pedal Couplers - unenclosed*

SWELL ORGAN - Enclosed 10

9	8	Rohrflöte.....	present pipes & action.....	61 pipes
10	8	Viole.....	present Viole de Gambe pipes & action.....	61 pipes
11	8	Viole Celeste TC...	present pipes & action .....	49 pipes
12	4	Principal.....	present pipes & action .....	61 pipes
13	4	Harmonic Flute.....	present pipes & action #1-61 unified; new pipes & action #62-73.....	73 pipes
14	2	Flute.....	from #13.....	61 notes
15	III Rks.	Plein Jeu.....	present pipes & action.....	183 pipes
16	16	Contre Trompette...	present Pedal pipes & action #1-12; present Swell pipes & action #13-73 unified.....	73 pipes
17	8	Trompette.....	from #16 .....	61 notes
18	4	Rohr Schalmey.....	new pipes, present Oboe Clarion action.....	61 pipes
19		Tremolo (jamb switch)		

20	8	Gedackt.....present pipes & action.....	61 pipes
21	8	Dolce .....present Dulciana pipes & action.....	61 pipes
22	4	Nachthorn .....present pipes & action .....	61 pipes
23	2	Principal....61 present Gr. 2 Super Octave pipes; 12 new pipes; Blockflöte action #1-61 unified; new action #62-73 .....	73 pipes
24	1-1/3	Quintflöte.....49 present 2-2/3 Nazard pipes, 12 new pipes; present 2-2/3 Nazard action .....	61 pipes
25	1	Klein Oktave .....from #23 .....	61 notes
26	8	Clarinet.....present pipes & action.....	61 pipes
* 27	8	Festival Trumpet.....from #6.....	61 notes
28		Tremolo (jamb switch)	

\* Affected by intra-manual couplers only

\*\* PEDAL ORGAN 2

***29	32	Untersatz.....from #31.....	32 notes
***30	32	Contra Dolce.....from #21 & 32 .....	32 notes
31	16	Subbass .....present pipes & action.....	44 pipes
32	16	Dolce .....12 present pipes & action; 20 from #21.....	32 notes
33	8	Principal.....present Octave pipes & action .....	44 pipes
34	8	Gedackt.....from #31.....	32 notes
35	8	Dolce.....from #21.....	32 notes
36	4	Choralbass.....from #33.....	32 notes
37	IV Rks.	Mixture (2-2/3)..48 new pipes & action; 20 notes from #5.....	32 notes
38	16	Contre Trompette .....from #16.....	32 notes
***39	4	Clarion.....from #16.....	32 notes
***37a	32	<i>Bombardel --- 12 new pipes &amp; action --- 20 from #16 --- 32 notes</i>	

\*\* Playable thru present relay and switches, new switches, and present slides in console.

\*\*\* Not affected by combinations.

COUPLERS

40	Great to Pedal	52	Swell to Choir 16
41	Great to Pedal 4	53	Swell to Choir
42	Swell to Pedal	54	Swell to Choir 4
43	Swell to Pedal 4	55	Great 16
44	Choir to Pedal	56	Great Unison Off
45	Choir to Pedal 4	57	Great 4
46	Swell to Great 16	58	Swell 16
47	Swell to Great	59	Swell Unison Off
48	Swell to Great 4	60	Swell 4
49	Choir to Great 16	61	Choir 16 (jamb switch)
50	Choir to Great	62	Choir Unison Off
51	Choir to Great 4	63	Choir 4

ADJUSTABLE COMBINATIONS - no change

Pistons No. 1-2-3-4-5-6                      Affecting Swell Organ  
Pistons No. 1-2-3-4-5-6                      Affecting Great Organ  
Pistons No. 1-2-3-4-5-6                      Affecting Choir Organ  
Pistons No. 1-2-3-4-5-6                      Affecting Pedal Organ  
Pistons No. 1-2-3-4-5-6                      Affecting Full Organ (duplicated by toe studs)  
General Cancel

REVERSIBLES - no change

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 stud with indicator light (red jewel)  
*32 Bombside - toe stud*

PEDAL MOVEMENTS - no change

Balanced Expression Pedal - Great - Choir Organ  
Balanced Expression Pedal - Swell Organ  
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier  
Organ bench with music shelf *and new adjustable back rest.*  
~~Music rack light~~ *new transparent music rack, present light.*  
Pedal light  
DC current light (white jewel)  
NEW Motor starter switch *with pilot light (Remove present switch, install new plate panel).*  
Present motor and blower  
New DC organ power unit  
*new Great main shades on-off switch.*

RVK/mr  
5/28/80