



BERGHAUS ORGAN CO.

Quality Pipe Organ Building & Maintenance Since 1967

June 22, 2006

Specification of a Rebuilt Three Manual and Pedal Pipe Organ

**First United Methodist Church
Gainesville, Florida**

Project Description

The existing Möller opus number 7055, rebuilt in 1979 using the same opus designation, was damaged when water was drawn into the organ's winding system via the organ blower. Although attempts have been made to effect repairs, the damage to glue, leather, wood and finish, dictates that such repairs will be anything but permanent. Our intention in this proposal is to suggest the replacement of the majority of the winding system and all structural supports. In addition, because the console is quite limited in its capabilities and is becoming increasingly unreliable, it should be rebuilt using high quality solid-state components. With regard to tonal issues, the existing pipework will be cleaned, repaired and regulated to expose and enhance the full tonal capabilities of the instrument.

Key and stop action: electric slider and electro-pneumatic
Manual compass: C-c 61 notes Pedal compass: C-g 32 notes

GREAT – Unenclosed – Manual II

Violone	16'	12 pipes, new, polished zinc (in façade) EP
Principal	8'	61 pipes, existing
Violone	8'	61 pipes, new, 75% polished tin (10 in façade), EP
Rohrflöte	8'	61 pipes, existing
Octav	4'	61 pipes, existing
Flachflöte	4'	61 pipes, existing
Blockflöte	2'	61 pipes, existing
Mixtur IV		244 pipes, existing
Trompete	8'	29 pipes, new, added to rebuilt Pedal Trompete, EP
Chimes		21 tubes, existing
MIDI		

SWELL – Enclosed – Manual I

Bordun	16'	12 pipes, existing, EP
Gedeckt	8'	61 pipes, existing, EP
Viola	8'	61 pipes, existing
Viola Celeste	8'	61 pipes, existing
Principal	4'	61 pipes, existing
Flöte	4'	12 pipes, existing, EP
Gemshorn	2'	61 pipes, existing
Sesquialtera II		98 pipes, existing
Scharf III-IV		220 pipes, existing
Basson	16'	61 pipes, existing, EP, half-length resonators
Trompette	8'	61 Pipes, existing, EP
Hautbois	8'	12 pipes, existing
MIDI		
Tremulant		

POSITIV – Unenclosed – Manual III

Bordun	8'	61 pipes, existing
Dolce	8'	61 pipes, existing
Spitzflöte	4'	61 pipes, existing
Principal	2'	61 pipes, existing
Quint	1 1/3'	61 pipes, existing
Cymbel III		183 pipes, existing
Dulzian	8'	61 pipes, existing
MIDI		
Tremulant		

PEDAL – Unenclosed

Resultant	32'	32 notes, Principal 16' & Subbass 16' wired
Principal	16'	12 pipes, existing, ext. of 8' Octav
Violone	16'	32 notes from Great
Subbass	16'	32 pipes, new, (22 pipes in façade, EP
Bordun	16'	32 notes, from Swell
Octav	8'	32 pipes, existing, EP
Gedeckt	8'	12 pipes, new, extension of Subbass, EP
Choral Bass	4'	32 pipes, existing, EP
Gedeckt	4'	32 notes, from Swell
Mixtur III		96 pipes, existing, EP
Posaune	16'	32 pipes, existing, half-length resonators, rebuilt, EP
Basson	16'	32 notes, from Swell
Trompette	8'	12 pipes, existing, extension of Posaune, rebuilt, EP
Hautbois	4'	32 notes, from Swell
Trompette	4'	32 notes, from Great
MIDI		

SUMMARY

Division	Registers	Stops	Ranks	Pipes
Great	7	9	10	651
Swell	9	12	13	781
Positiv	7	7	9	549
Pedal	5	15	7	260
Total	28	43	39	2241

COUPLERS

Swell to Great 16	Swell to Swell 16	Swell to Positiv 16	Great to Pedal 8
Swell to Great 8	Swell Unison Off	Swell to Positiv 8	Swell to Pedal 8
Swell to Great 4	Swell to Swell 4	Swell to Positiv 4	Swell to Pedal 4
Positiv to Great 8		Positiv Unison Off	Positiv to Pedal 8
Great to Great 4			
Great Unison Off			

CONSOLE

- ◆ Rebuild with existing Möller console shell. Shell refinished to match customer-approved sample.
- ◆ Refinish existing organist's bench to match customer-approved sample.
- ◆ Re-contact and reinstall existing Möller keyboards.
- ◆ Recontact existing Möller pedalboard and apply new Maple naturals.
- ◆ Construct new stop jambs and name board.
- ◆ Stops and most intra-manual couplers controlled by drawknobs in terraced jambs.
- ◆ Inter-manual couplers controlled by rockertabs placed above top manual keyboard.
- ◆ Six prepared only Antiphonal stops will be placed on rocker tablets above the top manual keyboard. Tablets will be blank or contain stop names at client's discretion.

- ◆ Pistons as follows:

Great	5	Thumb	Great to Pedal Rev.	Thumb & Toe
Swell	5	Thumb	Swell to Pedal Rev.	Thumb & Toe
Positiv	5	Thumb	Positiv to Pedal Rev.	Thumb & Toe
Antiphonal	3	Thumb	Antiph to Pedal Rev.	Thumb & Toe
Pedal	5	Toe	Swell to Great Rev.	Thumb
General	10	Thumb & Toe	Positiv to Great Rev.	Thumb
Set		Thumb	Swell to Positiv Rev.	Thumb
Cancel		Thumb	Sforzando Rev.	Thumb & Toe
MIDI	4	Thumb		
Auto Solo		Thumb		

- ◆ MIDI record / playback with internal memory & external memory stick capabilities.
- ◆ MIDI I/O ports included for connection to external MIDI instruments.
- ◆ Multi-Level combination action with 256 levels of memory.
- ◆ Register Sequencer function.
- ◆ Auto-solo function.
- ◆ Twelve-step transpose function.
- ◆ Pedal light.

SWELL EXPRESSION CHAMBER

The existing Swell expression chamber, expression louvers and expression motors will be reused.

BLOWER AND WINDLINES

A new Laukhuff 3 HP blower with sound-dampening blower box will be installed in the organ chamber. New spiral metal windlines will be employed throughout the organ.

RESERVOIRS AND WINDCHESTS

All static and divisional reservoirs will be new. All windchests with the exception of the exposed main Great division windchest, will be new. The Great main electro-pneumatic windchest will be rebuilt with new pitman valves and will carry the 10-year “new” warrantee. All other manual main windchests are of electric slider construction. Schwimmers in the slider windchests plus reservoirs provide an ample supply of steady wind. All Pedal division and offset pedal and manual windchests are of electro-pneumatic construction. The three rank Scharf, (Positiv division), will be placed on the main Positiv electric slider windchest.

ORGAN SWITCHING SYSTEM

New solid state switching employed throughout. The organ will use a Peterson ICS system.

PIPEWORK

All new pipework is to be made of tin and lead alloys and wood. Final voicing, the regulation of each pipe for volume and harmonics, is to be done on site after installation. New pipework will be scaled and voiced to match the existing pipework. The Pedal unit 16’ Posaune and 8’ Trompete will be rebuilt to allow the continuation of the rank through note 61 of the 8’ Great 8’ Trompete. All existing pipework, (with the exception of the lower 12 pipes of the Swell 16’ Bordun), will be removed and brought back to Berghaus Organ Company where it will be cleaned, repaired as needed, and regulated. After the infrastructure of the organ has been installed at First United Methodist Church, Gainesville, the pipes will be returned to the church and placed on their respective windchests. All pipes will be voiced on site at the appropriate wind pressures.

DESIGN AND PLACEMENT

The rebuilt organ will occupy the same space as the previous organ and include façade additions.

STRUCTURAL SUPPORT

All wooden support structures will be replaced with steel. In general, steel requires less space and provides more maneuvering room in the chamber. In this instance, replacing the existing wooden structure will allow us to reconfigure the organ to provide better access for tuning and service and to consolidate divisions and eliminate unnecessary separation within ranks. Reconfiguring the organ will also insure better tuning stability.

CASEWORK

Berghaus Organ Company will match, build and install the casework located directly beneath, and surrounding, the left and right side sections of the 16' Violone pipes. The quoted price includes a simple raised panel design. Panels of a more complex nature will slightly increase the price. The new upper level façade windchests, (16' Subbass), are cantilevered out from the main steel support structure and, as such, windchests and toeboards are the responsibility of Berghaus Organ Company. Building and installing the casework and carvings surrounding the steel, windchests and toeboards is the responsibility of the purchaser. The purchaser is also responsible for the carvings shown on the front of the existing Great windchest, as well as the carvings that will exist on the returns. All other casework shown in the attached chancel rendering is the responsibility of First United Methodist Church, Gainesville. It is of the utmost importance that Berghaus Organ Company be able to work closely with the architect and contractors to insure an excellent result.

WARRANTY

Ten (10) years on all parts and labor.