



New Hope Reformed Church
Powell, OH
J2023051

Proposal

We propose to provide, install and tonally regulate a new Walker digital organ as described in the following in New Hope Reformed Church, Powell, OH.

New Console:

We propose to provide a custom, IV manual, Walker AEolian-Skinner® style, low profile, console built to AGO standards. The console will have the following finely detailed appointments:



Typical AEolian-Skinner® style IV manual low-profile console.
The picture is for reference only and details as described in
the proposal shall take precedence.

AEolian-Skinner® is a registered trademark of Walker Technical Company, Inc.



Console Shell: The console shell will be constructed with an oak exterior and a walnut interior. The oak exterior will be custom finished to match a sample provided by the church. Multiple hand-sanded coats of lacquer are applied to the surface to provide a durable, yet beautiful finish. The drawknob jambs, stop tab rail, piston rails and keycheeks will be of straight-grained walnut material finished in a complementary medium walnut color. These walnut interiors provide a good contrast to the console controls to aid the organist in quickly viewing which controls are on and which are off.

The console will have a standard recessed panel appearance. Removable panels on the back of the console provide easy access to the Paradox console control system. A curved kneeboard with curved toe stud bolsters is featured to provide proper ergonomically correct operation of the toe studs.

The console also boasts a solid console shell including elegant, yet massive keydesk supports and wide console side panels to provide long term rigidity and stability. We will utilize a drop sill, full cut back keydesk, allowing the overall height of the console to be kept to a minimum providing better visual sightlines for the organist. A convenience drawer is included under the stack of keyboards for storage of pens, pencils, etc.

There is no roll top included in this contract. This will help to further reduce the height of the console to allow better sight lines for the organist to conduct from the console. The console features built in casters to allow the console to be easily moved without the need for large, bulky platforms.

Keyboards: Four, long stick, wood keyboards with implex naturals and black sharps are provided on this console. The natural keys also feature bevels to eliminate sharp edges that can impede rapid keying passages.

The 18 ½” wood keys are fitted with rear pivots to provide consistent keying pressure throughout the playing surface of the keys. Precise key calibration provides proper balance for excellent keying touch response. The Walker, Aeolian-Skinner® adjustable magnetic tracker touch system further enhances the keying response of the keyboards.

The innovative Walker self-adjusting magnetic keying system is installed on all four keyboards. This system provides velocity-keying sensitivity on all manuals for MIDI applications. The system also eliminates the need for normal under key contact systems which over time can cause keying problems due to dirt build up, contamination and fatigue.

Finally, keycheeks featuring a traditional AEolian-Skinner® design provide an aesthetically pleasing finish to complement the appearance of the keyboards arranged in a flat stack configuration.

Console Controls: The console is outfitted with reliable time tested and proven controls to operate and control the new instrument. Extreme attention to detail is employed to insure proper fit, appearance and operation of all controls.

Drawknobs: This console features Syndyne, moving drawknobs to control the stop specification. These drawknobs have a magnetic repulsion action which provides a positive feel in movement when turning a stop on or off. The drawknob heads will be ivory color with black stems.



Rocker Tablets: The couplers on this console will be controlled by AEolian-Skinner® style rocker tablets. These tabs are mounted on rugged stop action magnets which feature sealed switch contacts for reliable operation. The rocker tabs are mounted in a black, finished, hardwood frame.



The entire tab rail is inclined to promote better visibility of the couplers and a more natural ease of coupler activation.

Thumb Pistons: Walker AEolian-Skinner® style, contactless hall effect switching, thumb pistons are utilized on this instrument. Thumb pistons that affect the general memories and special features light up when activated to indicate their state. This feature is particularly useful on general memory pistons when using piston sequencing. The final decision on what pistons will be lighted will be determined in conjunction with the organist during the design process.



Expression/Crescendo Shoes: Three AEolian-Skinner® style expression shoes and one AEolian-Skinner® style crescendo shoe are provided with this console. These attractive replicas of authentic AEolian-Skinner® shoes feature hand finished, highly polished chrome edges. Ribbed rubber inserts ensure a secure foot placement to operate the shoes controlling the precise expression and crescendo movements of the instrument. With hall effect, microprocessor control systems, we have eliminated the trouble prone areas of existing alternative systems such as potentiometers, switches and light bulb activated resistors.



Toe Studs: AEolian-Skinner® style toe studs are used on this instrument. The shape of the toe stud head, coupled with the curved toe stud bolsters allow accurate, definitive actuation of the function controlled by that toe stud. The black heads, red felt bumpers and chrome plated mounting flange promote an elegant, refined look while maintaining a rugged durability for consistent, trouble-free operation. If required, side bolsters will be included to accommodate the final number of toe studs on the instrument.

Music Rack: This console incorporates a fixed lighted music rack that features a tempered glass music desk. The tempered glass maintains its clarity longer than alternative, standard Plexiglass as it is more resistant to scratching from music scores, books, paperclips, etc. The LED music rack light simultaneously illuminates the music desk and the coupler rail. The sleek wood base is custom finished in walnut to match the other interior appointments of the console.

Pedalboard: A concave, radiating pedalboard built to AGO standards is included with this instrument. The oak frame of the pedal board is custom finished to match the exterior of the console shell. Natural finished maple naturals contrasted by black pedal sharps that match the keyboard sharps complement the stunning appearance of this console. The pedalboard is fitted with the Walker innovative magnetic hall-effect key contact system for reliable operation. LED accent lights illuminate the pedalboard area.

Bench: The bench provided with this console incorporates a recessed panel design on the legs that complements the console side panel design. The oak bench is finished to match the exterior console shell. A footrest is provided with a solid maple heel strip. With the adjustable height bench, the overall height of the bench can be adjusted to fit the personal characteristics of various organists. This allows the organist to play the organ comfortably and correctly for longer periods of time.

Console features not normally found on other digital instruments.

- ◆ AEolian-Skinner® style curved kneeboard and toe stud bolsters mounted on the pedalboard for comfortable access.
- ◆ AEolian-Skinner® style bullet toe studs.
- ◆ AEolian-Skinner® style expression shoes.
- ◆ AEolian-Skinner® style 18 ½” long stick, rear pivot keys for improved touch response and evenness of playing.
- ◆ Convenience drawer under keyboards for storage if drop sill console design is used.
- ◆ AEolian-Skinner® style dropped sill key desk allowing for 3” reduction in console height if the design warrants its use.
- ◆ Tempered glass music rest instead of plastic, resulting in greatly reduced scratching over time.
- ◆ Inclined coupler rail for improved ease of coupler activation
- ◆ Adjustable height bench allowing for comfortable playing position for differing player statures.
- ◆ Ten-year warranty that covers lightning damage



Walker Paradox Console Control System

The Walker Paradox Console Control System included in this instrument is a comprehensive, powerful control system. The system is configured to control the stop specification as listed in Addendum A at the end of this proposal. This central controller handles the combination action memory, keying, and coupling as well as provides the organ industry's most advanced MIDI system.

MIDI System: The enhanced MIDI system is an integral part of the control system. This seamless integration of MIDI allows extensive additional parameters such as volume level settings, velocity parameters, pitch offsets, etc to be captured on the combination action pistons along with the specific patch change (voice selection) information. This enables the combination of traditional organ voices and MIDI sounds to be registered together and played in correct balance with one another via combination action piston changes.

The MIDI control system includes software implementation and a console mounted connection panel installed on the kneeboard under the keydesk. The connection panel contains MIDI IN, MIDI OUT, MIDI THRU, SEQUENCER IN, SEQUENCER OUT and two audio input jacks. Any General MIDI, General Standard format MIDI device can be connected to the system. A built-in performance sequencer is within the system.

Console Control System Features: The Walker Console Control System (WCCS) provides many enhanced features for the organist. Some of these features include:

- 1.) Expanded Memory Levels – the WCCS includes 950 levels of on-board memory for the organist. The system also allows the organist to download memories to a USB stick and store them elsewhere, which means the number of memory levels is virtually unlimited.
- 2.) Lockable Combination Action – the WCCS allows the memory levels to be assigned to various organists (up to 16 users) if desired. The memory levels for each user are locked and unlocked via a personal PIN code. Each organist is able to download their memories to a USB stick for storage off the WCCS.
- 3.) User features – several features are included to aid the organist such as metronome, clock, stopwatch feature, timer feature, etc. These are all accessed through the LCD display using the UP, DOWN and multi-function knob controls.
- 4.) LCD display – the display included with the WCCS is a brighter LCD with graphics designed to be easily read.
- 5.) Built in performance recorder – the WCCS includes a built-in performance recorder (sequencer) that allows the organist to record what they are playing and play it back at a later time. Song files can be stored in the WCCS and played back from commands given through the display. The files can also be downloaded via the USB stick to be stored off the system or on a computer. Playlists can be created from the files recorded on the instrument and played back on the instrument.



Walker POET Digital Voice System:

Digital Voice Generating System: The Walker Paradox POET digital voice generating system provides digital voices with breathtaking realism. Digitally sampled pipe organ sounds are produced through the system with the utmost attention given to the accuracy of the sound. Over 28 different parameters can be adjusted on a note-by-note basis for every stop. An unparalleled, extensive library of sounds allows for amazing tonal results. The tonal palette of this instrument is complete and will provide an excellent service instrument as well as providing the resources for the organist to play much of the organ literature.

All the stops listed in the Specification in Addendum A will be created with the Walker Paradox POET digital voice generating system.

Organ Audio Systems: The organ audio system utilizes highly efficient, compact speaker units. These speakers are installed in the organ areas with great care being given to the acoustic properties required to authentically recreate pipe organ sounds. The tri-amplified system is specifically designed for the rigorous requirements of organ applications: wide frequency response, extremely low distortion, high-energy sonic power, component design and material selection for exceptional life expectancy.

The audio system required for this project consists of the following:

To be installed in the main organ chambers:

- (1) Quaker subwoofer – satin black finish
- (1) B2 mid bass speaker – satin black finish
- (16) WM 1103SD mid/high frequency speakers – satin black finish
- (2) QSC cx254 four channel amplifiers – 2000 watts total audio power
- (1) QSC cx302 stereo amplifier – 500 watts total audio power
- (1) Custom equipment rack – satin black finish

To be installed in the antiphonal organ area:

- (2) B112 compact bass speaker – custom finish to match sample
- (2) WM 1206 mid/high frequency speakers – custom finish to match sample
- (1) QSC cx254 four channel amplifiers – 1000 watts total audio power
- (1) Custom equipment rack – satin black finish

The distribution of the equipment to be as follows:

- Swell/Solo: (4) channels [(8) WM1103SD speakers]
- Great/Choir/Pedal: (4) channels [(8) WM1103SD speakers]
- Antiphonal: (2) channels [(2) WM1206 speakers]
- Main Bass: (1) channel [(1) B2 bass speaker]
- Subwoofer: (1) channel [(1) Quaker speaker]
- Antiphonal bass: 2 channels [(2) B112 compact bass speakers]



Installation:

Shop Work: The installation of the console control system will be performed in our shop under controlled conditions. All work will adhere to our normal standards, which meet or exceed normally acceptable wiring practices. The instrument will be put through a thorough quality assurance checkout upon completion of the installation and programming.

On Site Installation: Installation of the console and audio system will be carried out by Walker Technical Company personnel or their representatives. All work will be performed in a professional manner to the highest standards. Normally acceptable wiring practices will be used.

Voicing:

One of the major keys to the success of any instrument is the on-site tonal finishing. We exercise great care in the tonal finishing process, paying attention to all the nuances and details of the sounds, to insure proper balance of the instrument within itself and the room. The on-site tonal finishing of the digital voices will be performed by one of our trained voicers, utilizing our highly sophisticated custom voicing software on a notebook computer. During tonal finishing of the digital voices, Walker Technical Company voicing personnel must have sole, uninterrupted use of the room.

Two voicing trips are included in this proposal. Additional voicing trips can be arranged if desired and will be billed for separately.

Pricing:

Total Cost: \$ 190,415.00

This price includes all equipment as described above, delivery of the equipment to the Buyer, and all Walker Technical Company personnel costs and expenses for installing the equipment and the tonal finishing of the digital instrument on site.

Pricing valid for 90 days.



Buyer's Responsibilities

In preparation for the installation of the new custom Walker digital organ, the Buyer will complete, at his own expense, all building modifications, conduit installation and electrical work that needs to be done in order to install and operate the new equipment. Walker Technical Company will provide the Buyer with the dimensions of the new instrument for the Buyer's use in preparing the space. This space preparation will include any building modifications required to move the console physically into place and provide sufficient space to properly use and maintain the instrument. This will also include any casework required/desired for the Antiphonal speakers. The Seller will assist in the design of the Antiphonal casework if desired.

Conduits: The Buyer is responsible for providing clear, unobstructed, reasonable wiring access to all locations as specified by Walker Technical Company personnel. Conduits are recommended but not required unless specified by local codes. Any conduits or wire molding required/desired is the responsibility of the Buyer. Walker Technical Company will provide a conduit and AC diagram showing required conduit locations and electrical locations.

Electrical Requirements: The electrical requirements for this project are as follows:

At the console location: (1) 20A, 115V grounded AC circuit terminated in a duplex outlet. This should be a dedicated circuit for organ application only.

At each equipment rack location (total of 3): (1) 20A, 115V grounded AC circuit terminated in a duplex outlet. These should be dedicated circuits for organ application only.

Access to the room: The Buyer shall also provide access to the building at mutually agreeable times for installation and voicing of the instrument. (Note: All fixtures and furniture should be in place to insure proper acoustic balance of the instrument in the room. Walker Technical Company personnel must have uninterrupted, sole access to the room during the tonal finishing of the instrument.)

NOTE: The above listed responsibilities are not covered in the contract price.

The following pages are the contract section. The signing of these pages by both the Buyer and the Seller shall constitute a contract.



CONTRACT

In this proposal, which when signed by both parties, constitutes a Contract, the Seller refers to Walker Technical Company of Center Valley, Pennsylvania, and the Buyer refers to New Hope Reformed Church in Powell, Ohio.

Contract Date: September 1, 2023

The Seller proposes to provide, install, and tonally regulate the custom Walker digital organ as outlined in this proposal in New Hope Reformed Church in Powell, OH.

The Seller shall furnish the Buyer the equipment specified in any attached details or specifications that are a part hereof. The Buyer, in consideration of the furnishing, installation and tonal finishing of such equipment as described, shall pay the sum of \$ 190,415.00 in the following manner:

\$ 38,000.00	Upon the signing of this contract
\$ 38,000.00	Upon notification the console is ready to wire in our shop
\$ 95,415.00	Upon notification the equipment is ready to deliver to the church
<u>\$ 19,000.00</u>	Upon completion of the installation of the new equipment.
\$ 190,415.00	Total Cost of the Project

The first public performance on the instrument shall constitute acceptance of the instrument.



This contract is entered into by both the Buyer and the Seller with the following stipulations and understanding:

- (1) That all payments will be made as set forth above.
- (2) That the Buyer will not receive title to the equipment specified above until full payment has been received by the Seller.
- (3) That Walker Technical Company reserves the right to repossess any or all equipment provided to the Buyer, in the event payment is not made pursuant to the terms of this contract.
- (4) That the Buyer shall be responsible for any and all taxes that would be due to any federal, state or local agencies.
- (5) That this agreement includes two tonal finishing visits. Additional tonal finishing visits can be arranged as desired and will be billed separately.

This lien shall be in effect the date of the signing of this contract and shall remain in effect until all financial obligations, as specified above, are fulfilled.

Walker Technical Company

Date

New Hope Reformed Church

Date



WALKER TECHNICAL COMPANY LIMITED WARRANTY

The Walker Technical Company Warranty is provided for each of its products for a period of ten years from the date of shipment. Walker Technical Company warrants their products to be free of defects in materials and workmanship under proper normal use. However, the following are excluded: (1) damage caused during shipment by personnel other than Walker Technical Company personnel, (2) damage caused by accident, misuse or abuse, (3) damage caused by attempted repair or modification by any person other than those authorized by Walker Technical Company, (4) Fire, flood, and other Acts of God, (5) damage or delays as a result of acts of war or terrorism. Lightning damage to our equipment, other than that caused by a direct catastrophic strike on the building, is covered under this warranty.

Walker Technical Company's liability is limited to the repair or replacement, at its option, of any defective component and shall not, in any event, include property or any other incidental or consequential damages which may result from the failure of this product. All warranties, expressed or implied, including warranties of merchantability and fitness for particular use, are limited in duration to the ten-year length of this warranty, unless otherwise provided by state law. There is a two-year labor warranty included in this warranty. Labor costs for warranty service beyond the first two years are the responsibility of the Buyer. Any warranty service work performed by Walker Technical Company personnel in years 3-10 will be billed at the current labor rates in effect at the time of the service.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Thank you for your choice of a Walker Technical Company product.

Walker Technical Company
5118 Route 309
Center Valley, PA 18034

Service

The Walker Technical Company product you have purchased has been designed and built to stringent standards and should provide you with many years of trouble-free service. However, should your Walker Paradox custom digital organ ever need service, please contact our Field Service Manager at 610/966-2515.



Addendum A

New Hope Reformed Church Powell, OH

Proposed Specification

Note: The following specification is subject to change after further discussions with the organist about the needs of the music ministry and the application of the organ in the worship life of the church. Any changes made will not affect the pricing of the project without the written agreement of both the Buyer and the Seller.

Great: Manual II ~ unexpressed (has Gt/Ped Exp on Ch)

16	Flûte Conique	ext 8 Gemshorn
8	Open Diapason	
8	Principal	
8	Bourdon	
8	Gemshorn	
8	Harmonic Flute	
4	Octave	
4	Spitzflöte	
2 2/3	Twelfth	
2	Fifteenth	
1 3/5	Seventeenth	
1 1/3	Fourniture IV	
8	Trumpet	
	Tremulant	
8	Fanfare Trumpet (Solo)	
8	Tuba (Solo)	
16/8/4	Chorus Chamade unit	Notre Dame type
	Chimes	Existing Deagan unit

Swell: Manual III ~ expressed on Shoe II

16	Rohrbordun	ext 8 Rohrflöte
8	Geigen Principal	
8	Rohrflöte	
8	Salicional	
8	Voix Céleste	

8	Flûte Céleste II	
4	Prestant	
4	Nachthorn	
2 2/3	Nazard	
2	Octavin	
1 3/5	Tierce	
2	Plein Jeu IV	
16	Bassoon	ext 8 Oboe
8	Trompette	
8	Oboe	
8	Vox Humana	
4	Clairon	
	Tremulant	
16	Swell to Swell	
	Swell Unison Off	
4	Swell to Swell	
8	Fanfare Trumpet (Solo)	
8	Tuba (Solo)	
	Chimes	Existing Deagan unit

Choir: Manual I ~ expressed on Shoe I

16	Erzähler	ext 8 Erzähler
8	Viola Pomposa	
8	Viola Céleste	
8	Erzähler	
8	Erzähler Céleste	
8	Holzgedeckt	
4	Principal	
4	Koppelflöte	
2 2/3	Nazard	
2	Flachflöte	
1 1/3	Larigot	ext 2 2/3 Nazard
1	Siffflöte	ext 2 Flachflöte
1	Mixture III	
8	Cromorne	
	Tremulant	
	Choir Unison Off	
4	Choir to Choir	
	Harp	



8	Fanfare Trumpet (Solo)	
8	Tuba (Solo)	
	Chimes	Existing Deagan unit
	Zimbelstern	Thumb Piston

Solo: Manual IV ~ expressed on Shoe III

8	Doppelflöte	
8	Gamba	
8	Gamba Céleste	
4	Orchestral Flute	
16	Corno di Bassetto	
8	Tuba	
8	French Horn	
8	Cor Anglais	
	Tremulant	
8	Fanfare Trumpet	Speaks from Antiphonal location
	Chimes	

Pedal: expressed w/ Great unless otherwise noted

32	Bourdon	ext 16 Bourdon
32	Contra Violone	Choir expression
16	Principal	
16	Violone	ext 8 Violone
16	Bourdon	
16	Flûte Conique (Great)	
16	Rohrbordun (Swell)	
16	Erzähler (Choir)	
8	Octave	
8	Bourdon	ext 16 Bourdon
8	Rohrflöte (Swell)	
8	Cello	
4	Choralbass	ext 8 Octave
4	Harmonic Flute (Great)	
2 2/3	Mixture IV	
32	Contre Bombarde	ext 16 Bombarde
32	Contra Fagotto (Swell)	
16	Bombarde	
16	Bassoon (Swell)	



8 Trumpet
 4 Rohrschalmei
 Chimes Existing Deagan unit

Couplers:

8 Great to Pedal
 4 Great to Pedal
 8 Swell to Pedal
 4 Swell to Pedal
 8 Choir to Pedal
 4 Choir to Pedal
 8 Solo to Pedal

16 Swell to Great
 8 Swell to Great
 4 Swell to Great
 8 Choir to Great
 4 Choir to Great
 8 Solo to Great

16 Swell to Choir
 8 Swell to Choir
 4 Swell to Choir
 8 Solo to Choir

Combination Action:

Generals: 1-12 Thumb Pistons & Toe Studs

Divisionals:

Swell	1-6	Thumb Pistons
Great	1-6	Thumb Pistons
Choir	1-6	Thumb Pistons
Solo	1-6	Thumb Pistons
Pedal	1-4	Thumb Pistons & Toe Studs

Set

General Cancel

Piston Sequencing: Previous & Next Thumb Pistons & Toe Studs

Next

Memory Level Up/Down Thumb Pistons (located near LCD Display)

Quick Level Thumb Piston

Total Memory Levels: 950



Expression Shoes: (left to right)

Choir
Swell
Solo
Crescendo

Reversibles: (as desired and space allows)

8 Swell to Pedal	Thumb Piston & Toe Stud
8 Great to Pedal	Thumb Piston & Toe Stud
8 Choir to Pedal	Thumb Piston & Toe Stud
8 Solo to Pedal	Thumb Piston & Toe Stud
8 Swell to Great	Thumb Piston
8 Choir to Great	Thumb Piston
8 Solo to Great	Thumb Piston

Features: (as desired and space allows)

Bass Coupler	Lighted Thumb Piston
Melody Solo Coupler	Lighted Thumb Piston
Melody Choir Coupler	Lighted Thumb Piston
Tuba Melody Sub Coupler	Lighted Thumb Piston
Crescendo (Programmable)	
Alt. Crescendo (Programmable)	Lighted Thumb Piston
Tutti (Programmable)	Lighted Thumb Piston & Toe Stud
Tremulant Full	Lighted Thumb Piston
Gt/Ch Transfer	Lighted Thumb Piston
Gt/Pd Enclosed	Lighted Thumb Piston
All Swells/Swell	Lighted Thumb Piston
All Swells/Solo	Lighted Thumb Piston
Sostenuto	Lighted Thumb Piston
13 Position Transposer (+/- 6 steps)	

Antiphonal Switching:

Great/Pedal Main Off
Great/Pedal Antiphonal On
Swell Main Off
Swell Antiphonal On
Choir Main Off
Choir Antiphonal On
Solo Main Off
Solo Antiphonal On