



*Pilgrim Lutheran Church, Carmel, Indiana
John-Paul Buzard-Pipe Organ Builders Opus 45*

*Completed Spring 2017
31 Stops 37 Ranks*

Pilgrim Lutheran Church, Carmel, Indiana

Buzard Pipe Organ Builders Opus 45, 2017



The instrument at Pilgrim Lutheran Church in Carmel, Indiana is the 45th new pipe organ built by Buzard Pipe Organ Builders of Champaign, Illinois. It comprises 31 independent speaking stops and 37 ranks of pipes, distributed across two manual keyboards and the pedal keyboard. The instrument is housed in a case made of poplar and red oak measuring 24 feet wide, 12 feet deep and 35 feet tall. It was designed to marry with the Church's Prairie style architecture; the geometric shapes in a large window at the front of the Church and in all the woodworking throughout the building are featured in the pipe shades. The splendid acoustical environment of four seconds of reverberation was achieved through close collaboration between the Buzard Company and architect Jack Munson of Indianapolis, Indiana.

The Great and Pedal Divisions are located in the top level of the case. The Swell Division is located in the center above the impost. The lower level contains the winding and mechanical systems. The upper façade is comprised of polished tin pipes from the Great 8' Open Diapason; the copper Festival Trumpets bisect the case in its center; the lower façade and two towers are the Pedal 16' Open Diapason from low E and the 8' Pedal Principal. We housed half of the Great Division in an expression box to provide additional expressive quality and tonal flexibility to this two-manual organ.

Buzard Organs are custom designed, scaled and voiced for each individual Congregation's musical tradition and acoustical environment. This means they differ one from another in terms of execution, but the Buzard Style is a musical thread which runs through every instrument. The stop names might be the same, but the scaling and voicing are determined by the specific circumstances which impact upon the creation. In this way, Buzard Organs are works of functional art, designed and crafted to each and every client's identity.

This instrument honors its Lutheran patrimony by a slightly brighter outlook in the Principal choruses, the German romantic Clarinet and Oboe, and the slightly lighter 16' Pedal registers. But it is a Buzard Organ through and through in the enveloping warmth and majesty of Full Organ, and its delicacy and sensitivity of tone in softer registrations.

Buzard Organs utilize electrically operated Slider & Pallet Windchests to eliminate leather in the playing mechanism, and provide an action which encourages sophisticated tonal results. In our

organs even the Unit stops (pipes which play in multiple locations or at multiple pitches) and Pedal stops are played on actions just like the Slider Chests – but without the slider stop actions. They provide an expansion chamber for the wind in the key channel as the pallet is opened giving the Unit stops the exact same speech and repetition characteristics as the main Slider Chests. We are pioneers in the development of sensitive and responsive electric key actions.



Our pipes are the best made in the world. We use thick high tin-content pipe metal rather than zinc in our flues and reeds (as well as wood and copper), and support them in felt-lined traces which prevent the pipes from collapsing.

We regulate our wind supply using single-rise reservoirs, schwimmer regulators, and concussion bellows to deliver copious wind supply with a degree of flexibility. Our Tremulant actions send an adjustable timed pulse to electric solenoids under the schwimmers which both push and pull on the schwimmer plate to provide a perfect sine wave much like the human voice singing with “vibrato.” These actions are absolutely silent in their operation and extremely effective in both flue and reed stops.

We build all of our organs in sound reflective and protective cases, even when the organs are installed entirely in organ chambers and the organ does not visually participate in the Church’s architecture. We do this to provide excellent projection of sound into the room (especially when chambers are located off the axis of the room) and to protect the organ from severe temperature fluctuations and potential building failure (such as leaking roofs).

The expression shutters are made of 2” thick poplar, laminated to prevent warpage during seasonal changes, with heavily felted sound traps. Our expression boxes’ walls and ceilings are made of 1” MDF (the equivalent of 2” of solid hardwood) with 1½” thick stiles and rails, to produce an extremely effective swell expression. The shutters are moved by adjustable electric servo-motors.

Buzard Organ consoles are intuitive in their layout and solidly built to last for generations. Their proprietary ergonomics of manual-to-pedal alignment allow for many playing hours without fatigue. The logical layout of drawknobs and couplers, toe-studs and expression pedals, encourages both technical accuracy and musical playing. Keyboards are plated in thick bone and ebony; the cabinets are made of 1½” thick hardwoods.



**Ms. Sarah Gran-Williams, Cantor of Pilgrim Lutheran Church said it best:
“Buzard Organs sing, and they help us sing!”**

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Buzard Opus 45 Organ – The Tonal Specification

GREAT

*Manual I * = enclosed stops – 3 ½" Wind*

Lieblich Gedeckt	16' * wood
Open Diapason	8' façade
Flûte à Bibéron	8' *
Gedeckt Flute	8' * (ext. 16' Gedeckt)
Viola da Gamba	8' *
Principal	4'
Spire Flute	4' *
Twelfth	2 2/3'
Fifteenth	2'
Fourniture IV	1 1/3'
English Horn	16' *
Minor Trumpet	8' (ext. Sw. 16' Bassoon)
Clarinet	8' *
Tremulant	
Cymbalstern	14 bells

Festival Trumpets 8' (Chamade)

SWELL

Manual II – 3 ¾" Wind

Open Diapason	8'
Stopped Diapason	8' wood
Salicional	8'
Voix Celeste (tc)	8'
Principal	4'
Harmonic Flute	4' round mouths
Nazard	2 2/3'
Octavin	2' harmonic
Tierce	1 3/5'
Grave Mixture II	2 2/3'
Plein Jeu III	1'
Bassoon	16'
Trompette	8'
Oboe	8'
Clarion	4' (ext. 16' Bassoon)
Tremulant	

Festival Trumpets 8' (Gt.)

PEDAL

Pedal Clavier – various pressures

Open Diapason	16' wood and façade
Bourdon	16' wood
Lieblich Gedeckt	16' (Gt.)
Principal	8' façade
Bass Flute	8' (ext. 16' Bourdon)
Gedeckt Flute	8' (Gt.)
Choral Bass	4' (ext. 8' Principal)
Open Flute	4' (ext. 8' Bass Flute)
Trombone	16' wood
Bassoon	16' (Sw.)
Trumpet	8'
Clarion	4' (ext. Sw. 16')
Festival Trumpets	8' (Gt.)