

Calvary United Methodist Church

# Renew & Rejoice

CALVARY UMC PIPE ORGAN NEWSLETTER

## New Pipe Organ (Opus 167) Updates - November 2022 - February 2023

Since November, Zimmer has continued to work on restoring pipes from our previous organ for inclusion in the new organ as "heritage" pipes, begun building wind chests and reservoirs, toe boards, pouch boards, and more. Below is a photo recap of progress through February 2023. Meanwhile at the church, Personalized Home Solutions has started the electrical work for the organ. The organ is on track to be installed this summer (specific schedule still to be determined). Thank you for your support of this exciting and historic project!



Wind chest and reservoir wood cut, waiting for assembly.



In Zimmer's woodshop, new wind chest and reservoir frames are being built.



Wind chest and reservoir frames.



Zimmer team member Will prepares "pouch boards." Pouches are made of leather and sit under each pipe and are part of the process of



Many of our new pouch boards prepared and ready for the next step.



Zimmer team member Casey wires chest magnets. Magnets in the wind chests also control the wind (air) access to each individual pipe.

controlling the wind (air)  
allowed into each pipe.



Zimmer's CNC (computer numerical control) machine cuts toe boards. Each hole represents where a pipe will sit.



New Cornopean (reed) pipes on the voicing machine. Pipe voicing means that the tonal quality of the pipe is adjusted to create a specific quality of sound to blend with other pipes. This is different from "tuning" a pipe to achieve a specific pitch, or note.



Capped Flute pipes, drying after being washed. These came from our previous organ and will be "heritage" pipes in our new instrument.



Will applies leather to a reservoir. Reservoirs serve as a storage place for organ wind and regulates the wind pressure as it enters a wind chest.



A closer photo of a toe board. Note the text markings at the bottom of the photo that identifies which type of pipes belong there.



Zimmer team members Jim (on left, a.k.a. the pipe whisperer) and Manny work on voicing multiple ranks of "flue" pipes. A flue pipe allows the air to flow through the pipe body, with its length and width determining how the pipe will sound, as compared to a reed pipe that has a resonator inside it which vibrates as air moves through.



The "Vox Humana" enclosed vintage stop. Vintage means it comes from another organ and brings its own history to our new organ. It is designed to replicate the human voice.



Upper octave (meaning higher in sound) Cornopean pipes.



Zimmer's Shop in Denver, North Carolina.