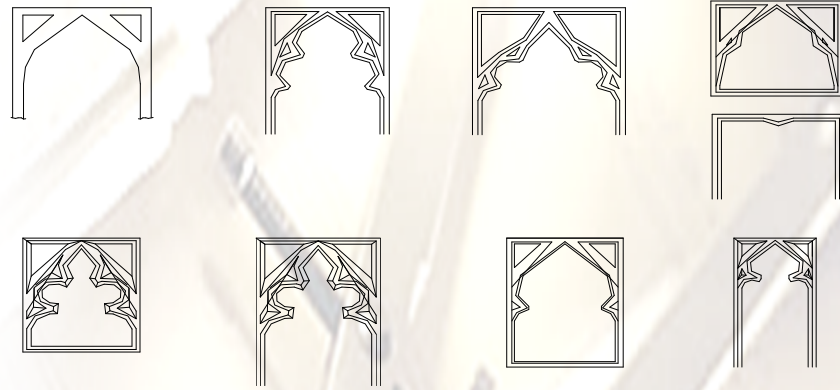


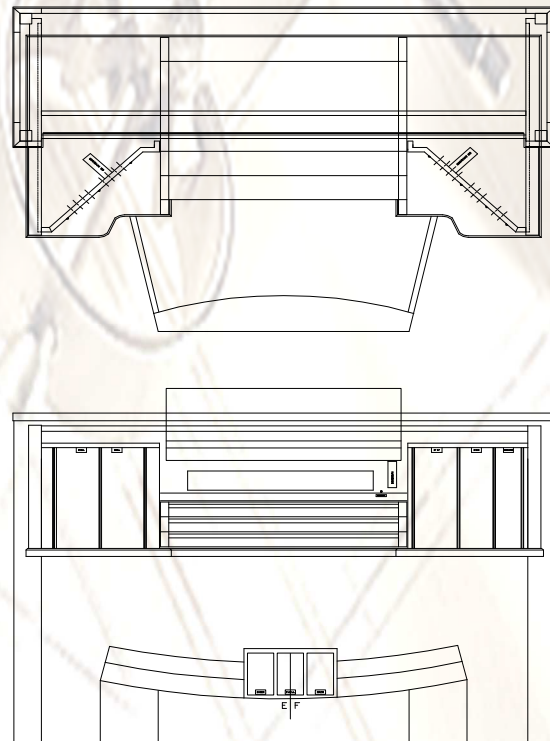
CONSOLE CASE

Regardless of stop control, keyboard options, or bench options, the case of your new console can be furnished with simple and elegant plain exterior panels, recessed panels, raised panels or even custom carved panels. Some examples are provided below for carved panels, but please do not limit yourself to these few examples, carvings can be made to match any type of molding for a true custom match.

EXAMPLES OF CARVED CONSOLE PANELS



Functionality of your new console is of the utmost importance. As the instrumentalist, your feedback on how you use the instrument and the controls help the builder to provide a console that truly suits your needs. Often overlooked is the overall dimensions of the console. Use the following template to gather height, width, and depth of your current console and please address these issues with your builder. It may be important to be able to see over the console to direct choirs, small ensembles or instrumentation.



Standard Console Guidelines American Guild of Organists

Pedalboard

Compass: 32 notes, CCC to G
Radiation: 8 ft. 6 in. radius, Maximum permissible, 9 ft. 6 in. minimum 8 ft. 6 in.
Concavity: 8 ft. 6 in. radius, Maximum 8 ft. 6 in. minimum 7 ft. 6 in.
Length between heelboard and toeboard: 27 in.
Length of playing surface of sharps: 6 1/2 in.
Height of sharps above naturals: 1 in. at player's end, 1/2 in. higher at the other.
Width of playing surface of naturals keys: 7/8 in. - 15/16 in.
Radius of curve of sharps: Fronts, 8 ft. 6 in., back 9 ft.
Distance, center to center of adjacent naturals keys at front end of sharps: 2 1/2 in. this makes the octave 17 1/2 in.
Most important of all the measurements, it is important that this distance be maintained.
Depth of touch: 1/2 in. at front line of sharps
Weight of touch: 2 1/2 to 3 pounds at front line of sharps.
Point of speech: Midway between top and bottom of travel of the pedal keys.
Couplers: Manuals to pedals 8' and 4' from each manual to pedal (except only 8' on great). Reversible pistons operating either pedal or manual couplers should add 8' couplers but remove both 8' and 4' couplers. Great to Pedal Reversible duplicated by toe stud at right of crescendo shoe.

Pedal to Manual

Left to right location: Centered under the manuals.
Front to back: Pedal DD-sharp's front end 8 1/2 in. to 10 in. back of plumb line dropped from edge of white keys of lowest manual of two manual or three manual console; 11 in. on a four manual.
Vertical: 29 1/2 in. between playing surface of natural keys of lowest manual and middle natural key of pedal.

Pedal Accessories

Knee panel and toe-board carrying the pedal accessories to follow the 9 ft. radius curve of the distance end of the sharp keys.
Crescendo shoes: Heel end of playing surface of shoe to overhand sharp keys by 1 1/4 in. maximum forward position, or be placed 3/4 in. maximum distance back of them these dimensions are for the shoes in the closed position.
Swell shoe to be located directly in front of the E-F gap.
Choir or Positive shoe to left of Swell.
Solo shoe to right of Swell.
Register-crescendo shoe invariable to the right of all others, and slightly raised.
Great shoe in small two-manual organs, where Great is enclosed, to replace Choir or Positiv shoe at left of Swell shoe.
Positiv shoe at left of Swell shoes.
Bench: Normal height above middle E of pedal clavier, 20 1/2 in., adjustable up or down from this height by as much as 2 in. in either direction by means crank.

Manuals

Compass: CC to c4, 61 notes.
Overhand of the keys: 4 1/4 in to 2 1/2 in. surface to surface. Manuals may slope toward Great or be level.
Depth of touch: 5/16 in. to 3/8 in. scant.
Point of speech: Midway between top and bottom of travel of the keys.
Weight of touch: 3 1/4 to 3 3/4 ounces with tracker touch recommended on electro-pneumatic instruments.

Couplers

All manuals couple to Great and Pedal.
Swell couples to Choir or Positive. Choir or Positive couples to Great.

Order of Stops

The order within each division is: 16' flues, 8' flues, 4' flues, 2' flues, Mixtures, 16' reeds, 8' reeds, 4' reeds. Stops not mentioned in the above take their normal position according to pitch in their respective flue and reed divisions.
Loudest to softest is the order within pitch groups. (Left to right for stop-tabs, bottom to top for draw-knobs).
Stop-tab consoles: Two rows over top manual; top row: left to right; Swell, Choir, Solo or Echo, with couplers of each division following the stops. Lower row; Pedal, Great, Positiv.
Draw-knob consoles: left jamb: Pedal and Swell; right: Solo, Great, Choir, Positiv.
Order within the division as given, from bottom to top. Tremulants at top.
Intramaneal couplers above each division of stops.
Order of couplers above top manual on draw-knob consoles: left to right.
Pedal couplers: Great, Swell, Choir-Positiv, Solo.
Manual couplers: Swell to Great, Choir or Positiv to Great, Solo to Great, Swell to Choir, Solo to Choir, Great to Choir.

Combinations

It is suggested that where there are 8 or more manual pistons for each manual, that they start under middle C of each manual and be spaced 1 1/8 in. apart. General pistons, divided under Swell and Great manuals, to the left of manual pistons, with space enough between the two groups for Great to Peal, Swell to Pedal, and Swell to Great reversible. General pistons to be duplicated by toe studs on the left of the crescendo shoes. Pedal pistons by toe studs only on the right of crescendo shoes.

CUSTOM CONSOLE CONSTRUCTION AND DESIGN



2320 West 50th Street
Erie, PA 16506

www.organsupply.com

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An Organ Supply Industries Company

September 2014

YOUR NEW CONSOLE



A fine pipe organ is pleasing to the eye as well as the ear. From intricate façade casework to a richly carved console, nothing conveys the organ builder's dedication to quality like fine woodworking.

Each and every console is hand crafted to create the ideal interface for the musician for each situation, with virtually unlimited freedom of choice in style, finish, key covering, stop control and layout. The process of custom designing a console to suit the customer's needs and specifications is a process by which we explore how the instrument will be used and the matching or complimenting of the case to the architecture, style and finish of the environment in which the console is to be installed.

Working together, we can create the ideal console for your particular application. Careful use of a console check sheet ensures that every console specification and feature is addressed. From this information, a detailed computer assisted design (CAD) layout will be produced for approval.

With cabinet and construction details approved, construction of your new console will begin. Our rigorous and exacting designs for cabinets, stop controls and keyboards are engineered to provide generous performance margins. Manual keyboards feature expanded sharp spacing and pedalboards are constructed to AGO standards. To ensure a lifetime of trouble-free operation, we use only the finest traditional materials, including solid, well-aged and clear cabinet-grade woods. Meticulous attention to fine joinery, matching grains and ingenious artistry yields a console that has unsurpassed strength, performance and beauty, ready for your choice of finish. All components are installed, adjusted and thoroughly tested to guarantee not only functional reliability, but also the delicate and consistent balance and feel for pure quality.



MANUAL KEYBOARDS

Organ Supply Industries is the only supplier of American-made laminated wood-based manual keyboards. These superior quality keyboards provide maximum stability and quality "feel." The laminated key construction provides twist- and warp-free keyboards. The relaxed sharp key spacing offers a more comfortable playing surface. Hardwood frames with adjustable front "bat" pins, fully bushed bearing surfaces and 16" or 12" long key with a rear fulcrum construction round out the standard keyboards. These are real wood keyboards designed for our American climate.

Standard keyboard options include: synthetic, wood, or bone key coverings, rear coil spring, front compass spring suspension and toggle tracker touch. Key cheeks with standard profiles or custom cut profiles are available with drawings.



PEDAL KEYBOARD

Pedalboards, built to AGO specifications, are provided in 30 or 32 note compass and in two frame styles. Standard Style No. 1 frame side rails are perpendicular to floor. Style No. 2 frame side rails are slanted and follow concave radius of keys. Pedalboards are constructed for hard usage and stability, with specially formed and veneered gumwood ply curve front top rail and hammer rail. Key bodies are constructed of straight grained white oak. Keys are guided by a 3/16" rod running through a felt bushed slot in the key front. Easily adjusted flat bent carbon steel tension springs are fasted to solid oak heel rail. Natural key caps are plain sawn select hard maple, finished with durable clear epoxy lacquer. Standard sharps are tough, molded phenolic. Other sharp options include: Rosewood, Teak, Walnut and Ebony Capped.

ENGRAVING

Distinctive engraving provides the perfect final touch for your organ console. New engraved marker plates, drawknobs, stop keys, tilting tablets, builder's plates or special plaques furnished per your instructions and samples. Available in solid white, ivory or black and in a variety of colors in plastic, wood or composite materials. Block engraving is standard, other fonts and special engravings are available per sample or instructions.

A FEW STEPS IN CUSTOMIZING YOUR NEW CONSOLE

Organ Case:

- Two Manual Three Manual Four Manual

Type of Stop Controls:

- Stopkey Tilting Tab Drawknob

Manual Keyboards:

- 61 Note 58 Note 56 Note
 Without Tracker Touch With Tracker Touch

- General Pistons: _____ Divisional Pistons: _____
 Sw to Ped Gt to Ped Ch to Ped Pos to Ped
 Sw to Gt Ch to Gt Ch to Gt
 Sw to Ch
 Tutti/Sfz Tutti/Sfz II
 Next: _____ Previous: _____
 Other Pistons Needed: Please list

- Synthetic Naturals No Gloss Synthetic Naturals
 Wood Key Naturals Cow Bone Naturals
 Other: _____

- Synthetic Sharps No Gloss Synthetic Sharps
 Rosewood/Walnut Sharps Ebony Sharps
 Other: _____

Pedal Keyboard:

- 32 Note AGO Standard Pedalboard
 Other: _____

- Synthetic Sharps Walnut/Teak Sharps Ebony Sharps

- General Toe Pistons: _____ Divisional Toe Studs: _____
 Sw to Ped Gt to Ped Ch to Ped Pos to Ped
 Tutti/Sfz Tutti/Sfz II
 Zimbelstern
 Other: _____
 Next Previous

- Expression Shoes: _____

Organ Bench:

- Standard Height, Non-Adjustable
 Standard Manually Adjustable Bench
 Motorized Adjustable Bench

- Gateleg/Dogleg Non Adjustable Bench
 Gateleg/Dogleg Manually Adjustable Bench

- With Backrest
 With Height Indicator

