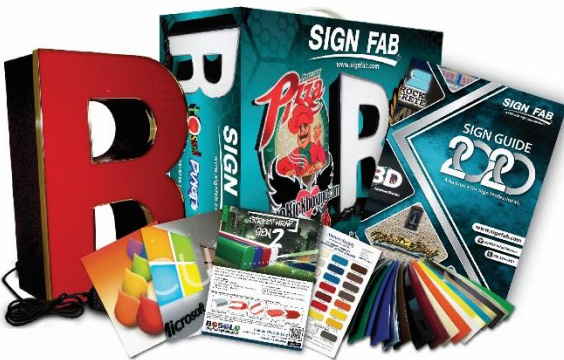


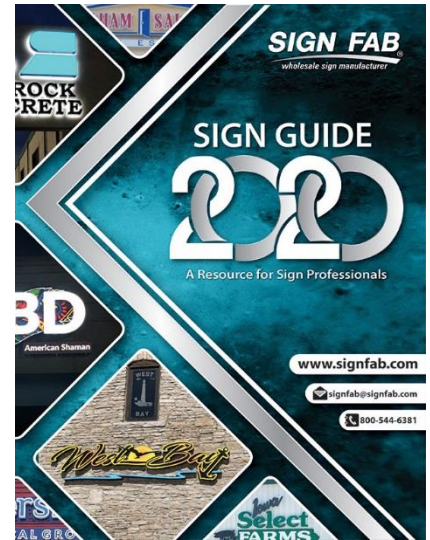


Improve Sales with the Sign Guide 2020

Our catalog, [The SIGN Guide 2020](#) is out now! The Sign Guide has every type of sign we manufacture, color selections and specifications. It is a great tool to take with you when meeting potential customers or just to have on hand.



On the first page, you'll find our contact information as well as our standards of service. There's some amazing information in the "Service & Benefits" section, such as what you can expect when ordering from us, our website, frequently asked questions. So, make sure you check it out!



On the same page, we advertise our [Sales Kit](#). This is a wonderful addition to your sales presentation and it includes a full-size illuminated channel letter that you can order in two colors (Red & White), various trim and acrylic samples, and color books to show your customer or keep as a reference for yourself. If you have any questions or would like to order a Sales Kit, call us today at (800) 544-6381 or e-mail us at signfab@signfab.com.

After the introduction pages, are the product pages. These pages feature the specifications, color options and examples of signs. Below is an image of pages 3 and 4 in the catalog.

Channel Letters - LED Illuminated

Specifications: LED Illuminated Channel Letters

Face: 3/8" acrylic CNC

Trim: 3/8" or 1"

Backs: .055, .063 aluminum; 3mm, 6mm, single and double-sided PolyMetal™ mounting holes are CNC cut into the letter back.

Return: Standard 4" prefinished construction. Welded construction is also available in depths of 2" to 6".

Assembly: Remote-Preassembly, Raceway Mounted, Cabinet Mounted, Square Tube Grid, and Aluminum Panel.

Mounting Options: Custom mounting options are available at request.

Hardware Options: Remote assemblies with aluminum studs (1/4"). All Remote projects include a full-size mounting surface.

Channel letters are currently the number one choice of sign identification for business professionals. These products can be used for internal and external storefronts. Sign Fab offers a complete range of channel letter products, type-styles, and custom logos. Our channel letter accessories offer you diversity, providing your customer with a wide range of options.

Illuminated Channel Letters	Preformed Channel Letters	Non-Illuminated Channel Letters	Welded Channel Letters

Preformed Channel Letters - Raceway Mounted

Face: 2447 White with 2500-15 Yellow

Trim: Black

Return: Black

LED: White

Raceway: Painted PM5 577C Silver

STOCK TRIM COLORS

Trim Color	Trim Color	Trim Color	Trim Color
White-20	Black-20	Blue-20	Red-20
Yellow-20	Green-20	Orange-20	Purple-20
Grey-20	Dark Blue-20	Light Blue-20	Dark Red-20

RETURN COLORS (Available in 1/2" depth)

Return Color	Return Color	Return Color	Return Color
White-20	Black-20	Blue-20	Red-20
Yellow-20	Green-20	Orange-20	Purple-20
Grey-20	Dark Blue-20	Light Blue-20	Dark Red-20

(800) 544-6381

Channel Letters - LED Illuminated

Preformed Channel Letters - Raceway Mounted

Face: VFW VETERANS OF FOREIGN WARS - 2500-233 Cardinal Red

Trim: 1/2" Digital print overlay

LED: White

Raceway: Painted SW 6141 Soften Tan

Preformed Channel Letters - Raceway Mounted

Face: Letters - 2793 Red

Capitals: 7338 White with 2500-22 Black

Trim: Black

Return: Black

Raceway: Painted SW 6112 Biscuit

Preformed Channel Letters, Flat Cut Aluminum Backer - Raceway Mounted

Face: 2447 White; cricket - 5590-133 Black perforated vinyl

Trim: 1/2" Digital print overlay

LED: White

Raceway: Painted SW 6123 Baguette

Preformed Channel Letters - Raceway Mounted

Face: 2447 White with Blue - digital print

Trim: Black

Return: Black

LED: White

Raceway: Painted PM5 7528C Beige

LED COLORS

LED Color	LED Color	LED Color	LED Color
White-20	Black-20	Blue-20	Red-20
Yellow-20	Green-20	Orange-20	Purple-20
Grey-20	Dark Blue-20	Light Blue-20	Dark Red-20

ACRYLIC FACE COLORS

Acrylic Face Color	Acrylic Face Color	Acrylic Face Color	Acrylic Face Color
White-20	Black-20	Blue-20	Red-20
Yellow-20	Green-20	Orange-20	Purple-20
Grey-20	Dark Blue-20	Light Blue-20	Dark Red-20

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These pages are great for referencing when customers ask you questions. They include everything from standard sizes of acrylic and trim to the suggested aluminum thickness and return sizes. Hardware and mounting options are also listed. Color options at the bottom of the pages refer to the signs on that page or page spread. You won't find the reverse channel colors on a standard channel letter page. This makes it easier to show some of the most common color options directly to your customers without having to flip through several pages to get to the larger color charts. You can reference that color on the same page with the same type of sign.



After the main product pages, we have a section dedicated to mounting and electrical options. This is a wonderful tool for seeing just exactly what mounting options we offer, and of course, if you ever have any custom questions that you can't find an answer to in our catalog, feel free to contact us for more information. We will try our best to match or get the products you want/need.



Next in the catalog are the color pages. These are similar to the color selectors on the product pages, but they only focus on the colors of each type of product – from the acrylic to the raceway. Colors we stock, plus additional colors are on these eight pages. You can show your customer a close representation of a color they have in mind by simply flipping through these pages.

Printing processes may cause misrepresentations of color swatches so keep that in mind. These are almost exact representations of the color swatches; however, for actual color references, simply call or e-mail us for a sample. We have a wide variety of colors that are great on most signs.

The next 16 pages are dedicated to our sign examples and descriptions. These are just a handful of what we are capable of manufacturing and can be used as inspiration for your signs!

The sign on the right was pulled straight out of the catalog to show what information is provided on each example. We list everything from what type of sign it is, down to the color of the raceways. This is another great way to see how certain colors may look together or figure out what type of sign would best match the project at hand.



Preformed Channel Letters - Raceway Mounted

Face: Letters, capsule - 7328 White; Capsule - 2500-22 Black;
Logo - 2447 White with digital print to match PMS 214 C
Trim: Letters - Black; Logo - White
Return: Letters - Black; Logo - White; Capsule - Black
LED: White
Raceway: Painted PMS 7600 C



Sign Fabulous Winners

2019 WINNERS

January's Winner
Children's Orchard
All Day Sign Co.

February's Winner
South 48th Bistro
Signs and More

March's Winner
Lindsey's
All Day Sign Co.

April's Winner
DJI Custom Rods & Tackle
Duffy Signs Solutions

May's Winner
VFW
Duffy Signs Solutions

June's Winner
Cresty Loft
Duffy Signs Solutions

July's Winner
West Bay
All Day Sign Co.

August's Winner
Eternal Beauty
Signs and More

September's Winner
Wentham Animal Hospital
All Day Sign Co.

October's Winner
Eichholtz
Duffy Signs Solutions

November's Winner
ACD Cat Head Logo
Duffy Signs Solutions

December's Winner
The University of Memphis
Duffy Signs Solutions

Customers can enter their sign photos for a chance to win a

5% DISCOUNT
and be highlighted in our newsletter as the sign of the month!

*Must be a sign that we manufactured.
Connect with us on social media!

Send photos to advertising@signfab.com
by the end of every month for your chance to win!

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After the sign pages, comes the winners of the year, for our Be Sign Fabulous Photo contest. This contest is chance for companies to win a 5% discount and be featured in our newsletter, which goes out once a month.

To enter, all you have to do is submit pictures of signs that we have manufactured and you are eligible to win.

The contest runs every month, so even if you don't win one month, you could win another!

The next two pages are dedicated to raceway and remote installations and our fabrication limitations. Be sure to check this page out – it has very helpful information about placing seams, faces on large signs and how they may be damaged due to installations and lining up seams on large mounting patterns. Also included is information on letter size and stroke width to help with artwork before sending it to us.

Next, we have our sales information which includes more in-depth contact information, our Terms of Sale, artwork specifications, order procedure, and warranty terms. These are excellent to keep around and reference when necessary. After the additional information pages, we have our sign glossary, which defines some of the most popular terms in the sign industry.

We put a lot of time into our catalogs so we can provide you with as much information as we can. If you can't find the answer you're looking for in our catalog, don't hesitate to contact us! We're always a phone call or e-mail away. Thank you for your business!

Installation - Raceway vs. Remote

These signs should be installed following the requirements of Article 680 of the National Electrical Code and/or other applicable local codes. However, the following information is provided for informational purposes only and is not intended to replace the requirements of the NEC or other applicable local codes.

Raceway Installation

1. Locate the position on the wall where you want to install the channel letter sign. Check behind the wall in this area, ensure the mounting hardware can be installed, and that electrical wires can be run to the location.
2. Measure the sign dimensions and the type of wall. Measure the raceway's length and mark to center. Measure and recess center for each mounting hole or mounting bracket. Our mounting brackets for aluminum raceways are not adjustable and placed every 1" or as needed to support the sign structure. If you have adjustable mounting brackets you can move them as needed to support your sign.
3. Mark the center of the location you want to install the sign on the wall. Measure from this location and make your marks for mounting holes or brackets. Make sure they are level, and placed properly in relation to where you want the sign letters to be.
4. Measure the runways for the location of the power supply hole, and mark this location on the wall also. Drill a 1/2" or larger hole completely thru the wall for passing the electrical conduit to the rear of the wall.
5. If practical, a hanger-dash (included) can be installed in one of the mounting locations. The runways mounting hole can be cut over the bolt, and temporary secured with a nut and washer (also included). Now the runway can be inserted into place, secured by the other mounting bolts, and the hanger-bolt can be replaced.
6. Once the electrical components are connected installation is done.

Remote Mounted Installation

1. Refer to the drawing and further instructions included and delivered with the letter set that show layout and correct subassembly installation.
2. A mounting pattern is provided and should be used to drill all mounting holes and the 1/2" secondary electrical hole for each letter or shape. Patterns are used to place raceway tubes, letters and dashes should have next walls. Install threaded rod into next rich then each secondary hole voltage wiring through conduit and secure with hardware from the back side of subassembly. Always use screws to use any drilled hole or opening including the mounting holes. According to NEC and 2015, use secondary wires do not need to be installed in conduit going through the wall. However, your local codes may require a 1/2" hole and/or conduit. Refer to this local information packet included with your sign.
3. A wiring diagram is included in your packet. This will depict what letters and shapes are connected to each power supply. You must follow this wiring diagram as it is created based on the number of LED modules that are in each letter & shape. Each power supply will only run a certain number of LED modules and can be overloaded if you do not follow the wiring diagram. Connecting a power supply will cause the LED that load overloaded. If it remains unchanged your power supply will burn out. Before your raceway you will need the secondary lead connection. A couple wire is provided and all run the length of the circuit that each power supply carries. Each lead will connect into this cavity wire as shown in diagram provided. Connect all of the positive leads from each letter to the secondary circuit using 14, approved wire nuts. If your installation requires a bonding wire you will connect to the bond wire from each letter or shape to the bonding ground. Repeat this process for each secondary circuit. **DO NOT CONNECT THE LEADS FROM LETTERS OR SHAPES TO LEADS. THIS WILL DESTROY ALL THE LEDS AT YOUR COST TO REPLACE!**
4. Power supplies will be mounted in the power supply box with a maximum of 2 power supplies per box. Mount the power supply boxes OPEN. SECURE as close as possible to the center of the circuit. Next install the power supply in the box as specified per the manufacturer's instructions included.
5. Route the three secondary circuit leads (positive, negative and ground) inside the power supply box.
6. Connect the primary electrical supply to the transformer according to manufacturer's instructions. A National Electrical Code should be used to make this connection.
7. Repeat the steps above for each power supply circuit.
8. At least one On/Off switch, rated for the application, must be installed on the primary "hot" lead within the line of sight of the power supply.
9. Signs cannot be connected to a branch circuit exceeding 80 ampere.

Installation Troubleshooting

- Check installation template (mounting pattern) before leaving the shop.
- Center and level template on mounting surface.
- Flow of dashes from hole after drilling (hole combination mount).
- Use your number of each letter before positioning on template.
- Verify all boxes and letters have been delivered before leaving the shop.
- Clean surface thoroughly before using 1000 volt.
- Check wire connection to post and/or down conduit.
- Use only top quality materials (cables, tape, etc.)

Installation - Fabrication Limitations

Designing with Seams

Seams are important to keep in mind when designing a channel letter. Because of the length of material, seams are required after 8 feet. The color and size of your sign will determine how many seams are placed in the sign. Standard colors of acrylic and 24x74 will come in 8ft x 8ft sheets. For example, if you have a 24ft sign that is standard color red, the sign will have 3 seams. We do stock a larger size of acrylic that comes in 72x96 white and measure 8ft x 36ft. 72x96 white acrylic is used for a 24ft sign that the sign should have 2 seams.

Signs installed correctly there should be no light leakage from the seams. Light shadows are noticeable, but hardly noticeable when installed. It is best to try and keep a seam within the darkest part of your design, such as between letters. Having a seam in the middle of a letter will also make a seam where the original sign. The larger the sign, the more likely the world's darkness. If necessary, instead, the seam goes to the left. This still, this might impact install, our cause light leakage and leaks, causing the sign to look unevenly lit and look unprofessional.

Breaking the sign into sections instead of placing seams is another option. We highly recommend this when possible because it eliminates light leaks, dark shadows, stress points and face cracking and makes for easier install.

Installation

You have seen numerous corner shaped signs where faces have become broken due to improper installation. If the sign is quite large, there is more chance for damage. Make great care when installing as the faces can break easily due to the flexibility of the acrylic. If at all possible, it is best to avoid removing the face for installation. When direct mounting with studs, be sure to avoid that uneven surface may possibly cause the center channel and add stress to the face. This stress will cause breakage on certain areas of the face.

Also, with direct mount, if adding studs on the back of the wall, do not tighten them down too much as this added force on top of the wall can cause the face and cause breakage. Most of them mounted signs need to be back mounted though. Some corner channel signs can be installed by using silicone in the mounting holes.

Lining Up Installations including wiring diagrams, schematic, mounting hardware and the pattern when installing the sign are all important. The pattern is especially important since it will be taped to the wall and used as a guide for drilling holes and mounting the sign. The pattern is a duplicate of the artwork, but double-check before order (if there is a problem) will save you time and money in the long run.

Lining Up Seams On Large Mounting Patterns

Always double-check the pattern for correct size and hole placement. Mounting patterns, like letters, are custom made to your specifications. If there is a problem with pattern above or in to discuss suitable options. Please note our pattern is 1/8" thick. Therefore any sign, letter or logo that is taller than 1/8" will require additional pattern on the pattern. Your pattern is only one piece. It will be ready to use without additional steps.

Letter Size & Stroke Width

It is important to keep in mind when designing channel letters is how small we can make the height and thickness of letters. The smallest letter size we manufacture is 1/8" high for any font except serif, serif fonts are fabricated at 1/2" high. Another limitation is price, smaller letters may be more labor intensive because they are more difficult and time consuming to fabricate.

Stroke width is also an important component when designing signs. Make sure your strokes are at least 1/8" wide to accommodate LED and fabrication. Even if the sign is now fabricated your stroke must be 1/8" wide because the sheet will need to fabricate the letter. If the text offers a smaller stroke, we will add a 1/8" stroke to the letter to make it back to approved.

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