STAINED GLASS DESIGN GUIDE

Welcome to the world of stained glass! The ethereal interplay of color, texture, and light make stained glass a dynamic and moving art form.

The artwork you are about to commission is the culmination of thousands of years of glass artistry. I assemble my stained glass using the copper foil method mastered by Louis Comfort Tiffany in the late 19th century. This mehod remains the most intricate, difficult, and time intensive form of stained glass.

My work uses some of the finest art glass available, employing a wide variety of colors and textures that make each piece unique. The human touch is reflected in every piece of glass and every carefully hand soldered line. I prefer to use fully translucent glass for its ability to transmit light and create an intangible and ever changing experience.

This guide serves as an introduction to the possibilities that await you in commissioning your own custom piece that is designed, personalized, and handmade specifically for you. The designs contained within this guide represent but a few of the options available. I'm happy to work with you to customize the background and colors.

I look forward to discussing the many ways I can make your stained glass artwork unique!
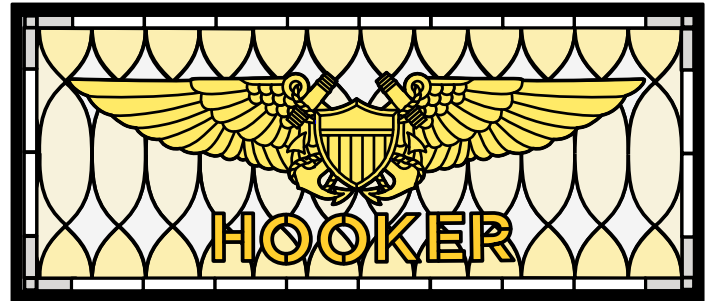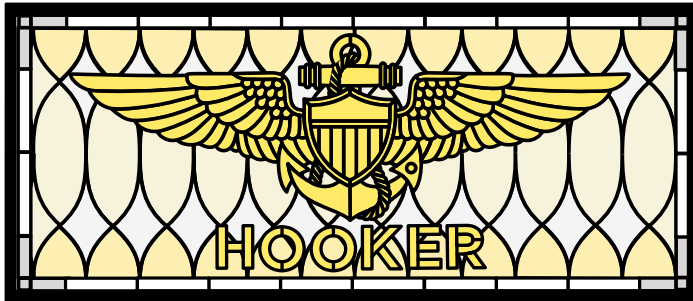
- Scott Hook

Call or email to discuss your commission and pricing
(303) 921-4709
scott@scotthook.com

DESIGN SAMPLES

The following are samples. Others can be created and all are customizable with additional colors upon request.

1A. CURVES - LIGHT YELLOW

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass   Regency Gold   Apricot Beige   Antique Veil

1B. CURVES - BRIGHT YELLOW

** DESIGN REQUIRES ADD ON BORDER OPTION

Coronation Gold   Noble Brass   Regency Gold   Light Blue

1C. CURVES - RED (ALSO AVAILABLE IN BLUE)

** DESIGN REQUIRES ADD ON BORDER OPTION
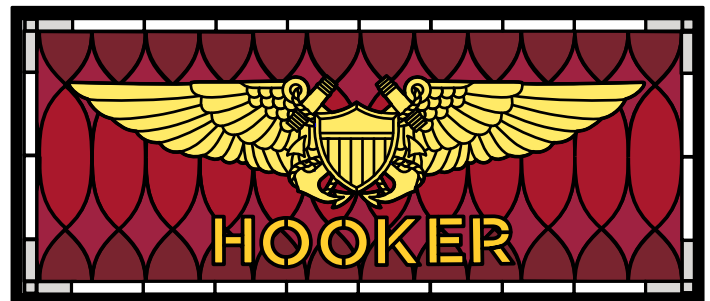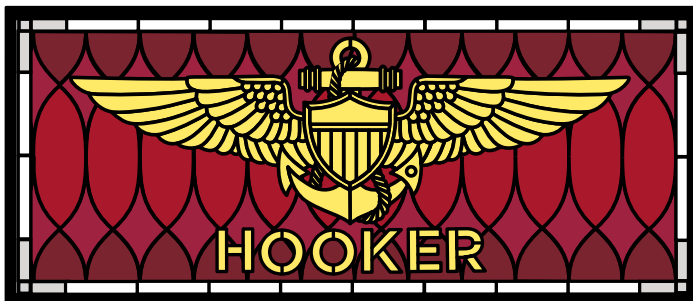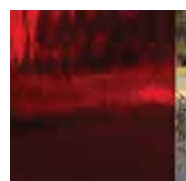
Noble Brass   Coronation Gold   Dark Red   Cherry Red   Selenium Red

2A. WHEAT - BRIGHT BLUE (ALSO AVAILABLE IN RED)

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass

Coronation Gold

Majesty Blue

Light Blue

2B. WHEAT - DARK BLUE (ALSO AVAILABLE IN RED)

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass

Coronation Gold

Midnight Blue

Light Blue

2C. WHEAT - LIGHT BLUE & GRAY (OR SUBSTITUTE ANY AVAILABLE COLOR)

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass

Coronation Gold

Princess Blue

London Fog

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2D. WHEAT - LIGHT GREEN & BEIGE (OR SUBSTITUTE ANY AVAILABLE COLOR)
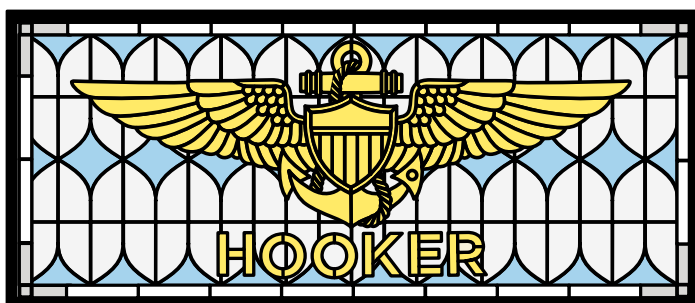
Noble Brass | Coronation Gold | Light Green | Apricot Beige

** DESIGN REQUIRES ADD ON BORDER OPTION

3A. QUILT - LIGHT BLUE & GRAY (OR SUBSTITUTE ANY AVAILABLE COLOR)
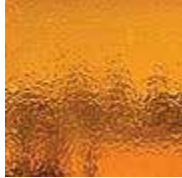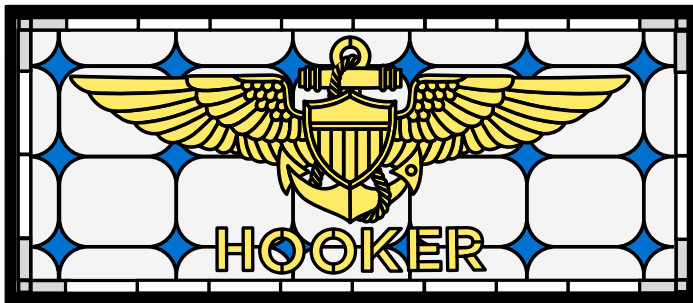
Noble Brass | Coronation Gold | Light Blue | Antique Veil

** DESIGN REQUIRES ADD ON BORDER OPTION

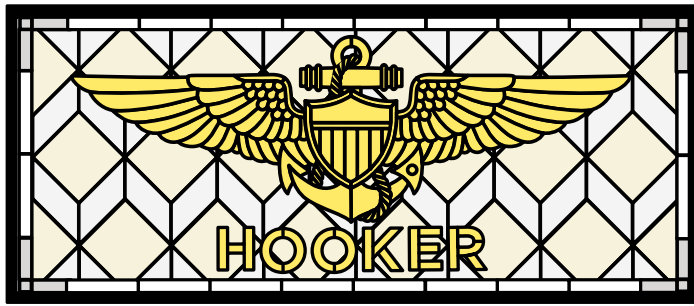## 3B. QUILT - BRIGHT BLUE (ALSO AVAILABLE IN RED)

Noble Brass | Coronation Gold | Majesty Blue | Clear

** DESIGN REQUIRES ADD ON BORDER OPTION

4A. SQUARES - LIGHT YELLOW

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass

Regency Gold

Apricot Beige

Antique Veil

4B. SQUARES - DARK BLUE (ALSO AVAILABLE IN RED)

** DESIGN REQUIRES ADD ON BORDER OPTION

Noble Brass

Coronation Gold

Midnight Blue

Light Blue

5A. DIAMONDS - BLUE & YELLOW PLAID

** DESIGN REQUIRES ADD ON BORDER OPTION
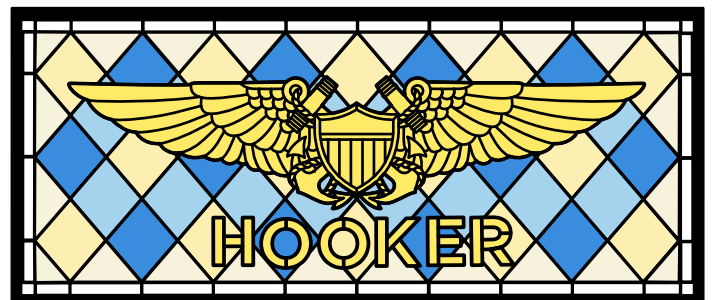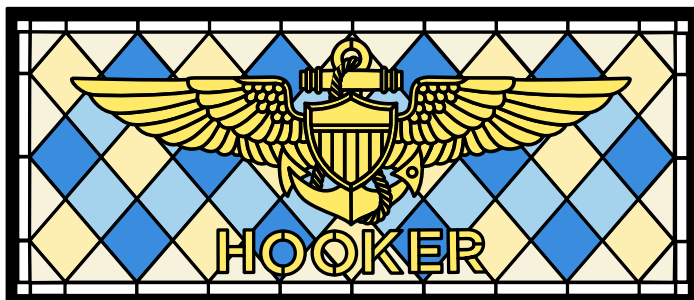
Noble Brass

Regency Gold

Light Blue

Princess Blue

Clear

5B. DIAMONDS - LIGHT BLUE & YELLOW

Noble Brass

Regency Gold

Princess Blue

Clear

** DESIGN REQUIRES ADD ON BORDER OPTION

5C. DIAMONDS - LIGHT

Noble Brass

Regency Gold

Apricot Beige

Antique Veil

Clear

** DESIGN REQUIRES ADD ON BORDER OPTION

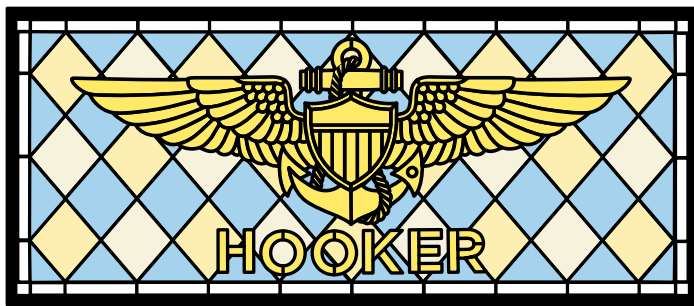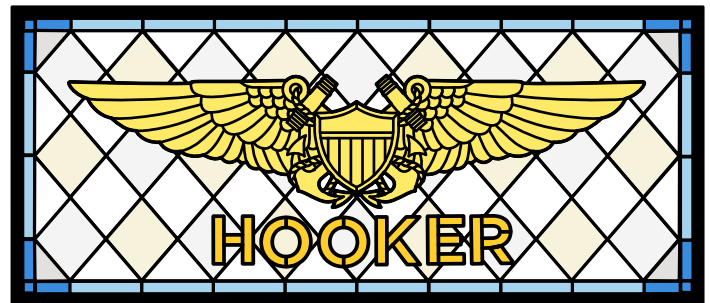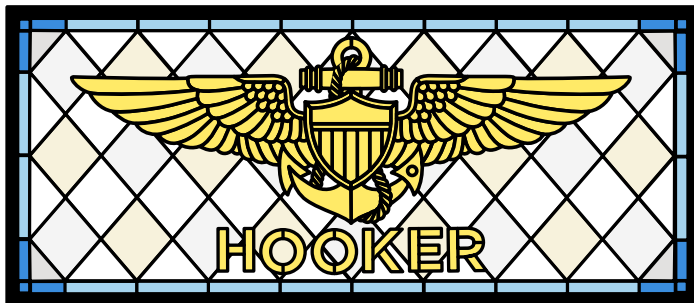## 5D. DIAMONDS - AMBER
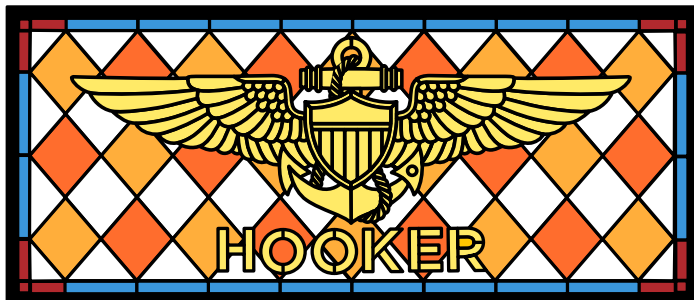
Coronation Gold

Noble Brass

Regency Gold

Clear

** DESIGN REQUIRES ADD ON BORDER OPTION

5E. DIAMONDS - BLUE
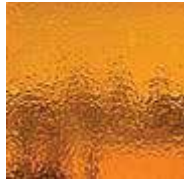
Noble Brass	Coronation Gold	Majesty Blue	Light Blue

** DESIGN REQUIRES ADD ON BORDER OPTION

5F. DIAMONDS - RED

Noble Brass	Coronation Gold	Dark Red	Selenium Red

** DESIGN REQUIRES ADD ON BORDER OPTION

5G. DIAMONDS - GREEN
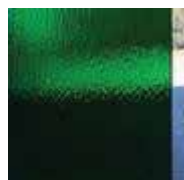
Noble Brass	Coronation Gold	Emerald Green	Light Green

** DESIGN REQUIRES ADD ON BORDER OPTION

6A. CURVES AND DIAMONDS - BLUE

Noble Brass

Midnight Blue

Light Blue

** DESIGN REQUIRES ADD ON BORDER OPTION

6B. CURVES AND DIAMONDS - RED
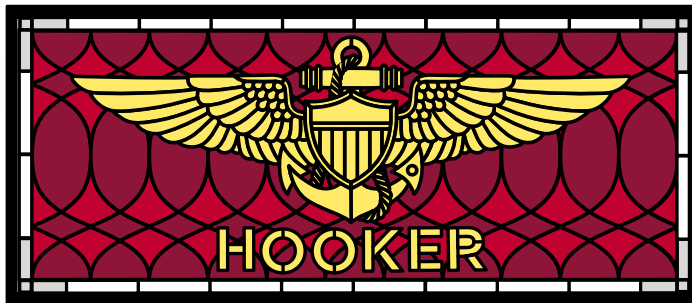
Noble Brass

Dark Red

Selenium Red

** DESIGN REQUIRES ADD ON BORDER OPTION

6C. CURVES & DIAMONDS - LIGHT BLUE & YELLOW

Noble Brass

Regency Gold

Princess Blue

Light Blue

** DESIGN REQUIRES ADD ON BORDER OPTION
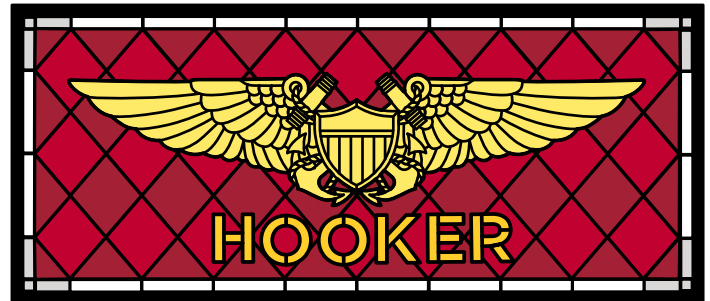
7A. HORIZON - BLUE

Noble Brass

Midnight Blue

Light Blue

7B. HORIZON - RED

Noble Brass

Dark Red
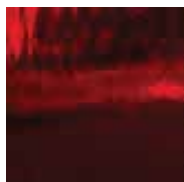
Cherry Red

Selenium Red

7C. HORIZON - SUNRISE

Coronation Gold

Noble Brass

Regency Gold

Light Blue

Or

Majesty Blue

Or

Midnight Blue

SPECIAL OPTIONS

The following are available options that can be incorporated into any of the above designs for an additional cost. Other custom options can be created upon request.

TAILHOOK
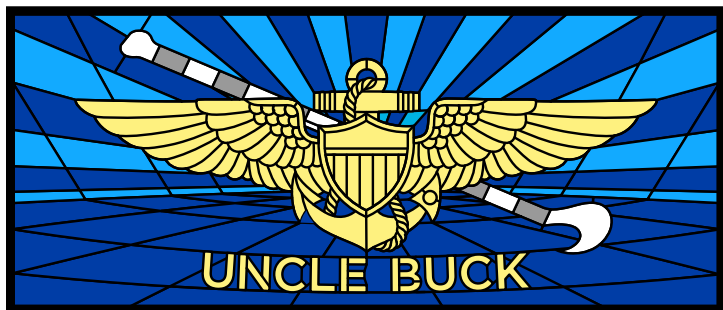
The perfect addition for any proud tail hooker or LSO.

BORDER
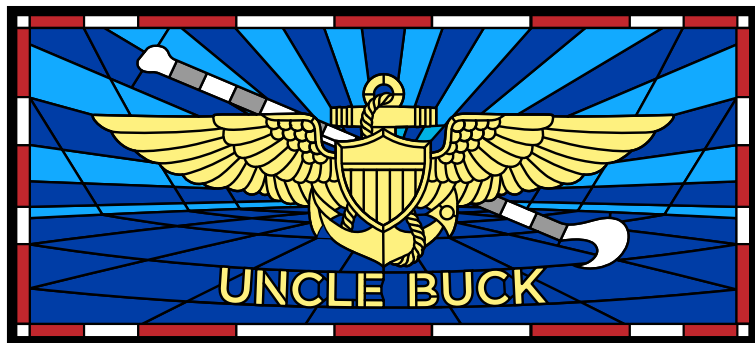
Borders can be made in any color or color combination. The red and white foul line border is beloved by the carrier community and shooters.

FLY NAVY BANNER

A top banner can be added to any design, and is curved or straight as appropriate to the design. Although FLY NAVY is the default, this can be modified upon request to state flight hours, traps, command etc.

FLY NAVY BANNER (FADED)

Make the top banner stand out on the HORIZON design with a lighter set of colors behind the lettering.

SIZING

The standard size is approximately 36" wide. 30" and 42" widths are also available, but the design can be sized to any width or height upon request. Widths larger than 36" require additional reinforcement and other design considerations. Solder lines are roughly 1/8" wide for all sizes. Each size is structurally supported by a welded zinc frame. Additional support provided by a custom wood frame is highly encouraged and is required for 36" and larger sizes.
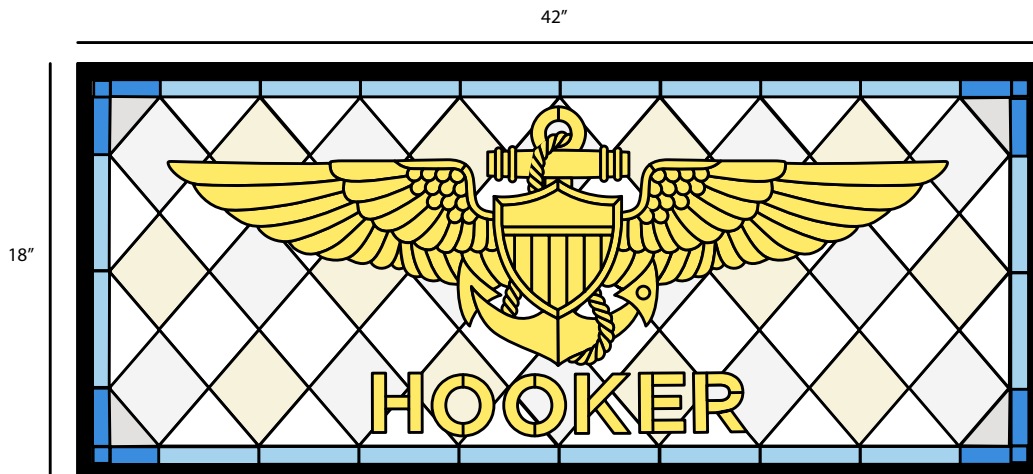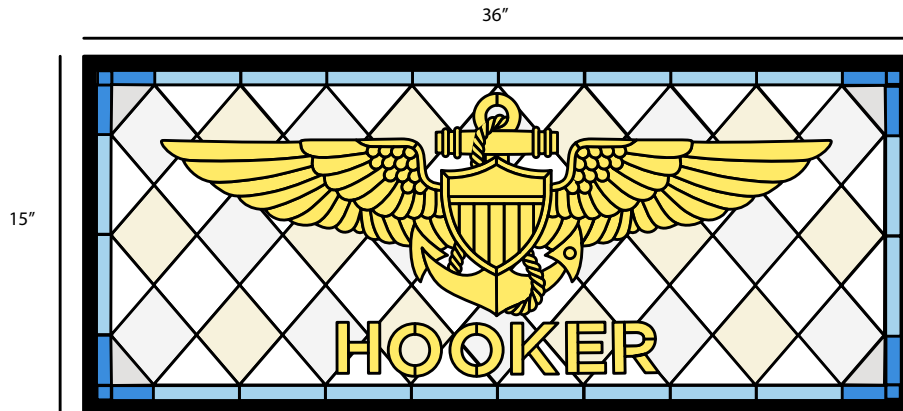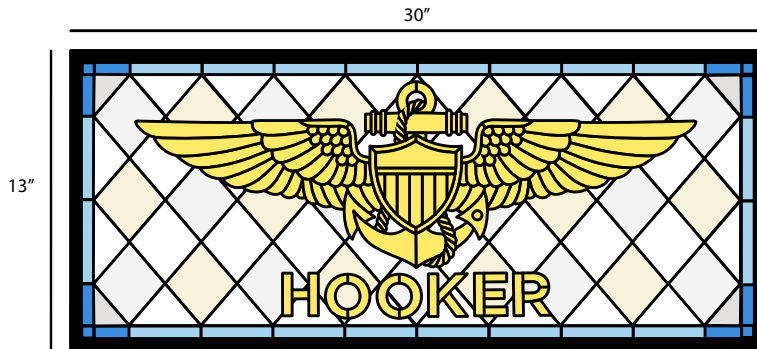
GLASS COLOR EXAMPLES

Color schemes for all background designs are easily customized. I am happy to incorporate your personal preferences for a truly one of a kind piece of art. Please note that the glass I use is hand made, which is reflected in subtle imperfections and subtle variations in both color and texture.

The images below are a partial pallette and are a reasonably good representations of actual colors, but the characteristics of the glass make a perfect picture difficult. Color vibrancy varies based upon the amount and type of light transmitted through the glass. This is one of the characteristics that makes stained glass such a vibrant and beautiful medium.
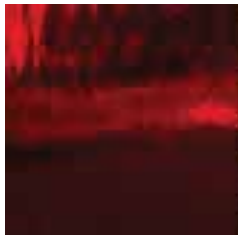
Dark Red	Cherry Red	Selenium Red	Coronation Gold	Noble Brass
Regency Gold	Apricot Beige	Antique Veil	London Fog	Clear
Midnight Blue	Majesty Blue	Light Blue	Princess Blue	Grape
Emerald Green	Light Green			

OTHER INFORMATION & OPTIONS

1. Patina. The led solder and zinc frames are treated with a pewter patina. Without patina the polished solder can remain silver. Over time solder will oxidize and dull, which can be restored to a shine by buffing or polishing.

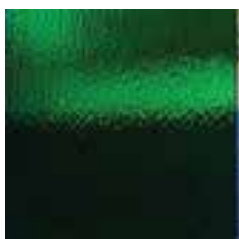2. Frame. Every piece is framed with a zinc U channel frame that is welded at the corners and every solder line intersection for structural support and a clean appearance. The addition of a wood frame is recommended for all pieces, and is required for pieces 36" wide and larger. I lean upon 25 years of fine woodworking experience to hand make each frame from solid hardwood. I prefer to use the wood's natural color, and finish each frame with a polycrylic finish. Wood species includes walnut, cherry, red oak and more (subject to availability).

3. Backlight. Direct sunlight is always the best light source for stained glass because it maximizes the vibrancy and texture of the glass. However, stained glass can also be illuminated with a backlight. I use a high quality LED tape light affixed to the inside perimeter of the wood frame, which enables the work to be illuminated without adding depth to the frame. Be aware that the perimeter of the glass will appear brighter than the center due to the placement of the light. Backlights are only available with wood frames.

4. Lettering. Pieces can be made with or without lettering. Size of the lettering is dependent upon multiple design considerations that I am happy to discuss when ordering.

5. Wings. Although my work focuses upon Navy Pilot and NFO wings, wings from other US and Allied services can be commissioned as well.

IMPORTANT CONSIDERATIONS

1. Stained glass is delicate. The copper foil method is not ideal for direct exposure to the elements, and your artwork should remain vertical to the maximum extent possible to reduce the stress of gravity upon the soldered foil joints. Stained glass designed for use in exterior windows and doors is generally assembled using the Lead Came method, which is less conducive to small pieces and tight curves. Although I do not presently use lead came construction in I am happy to discuss it as a possibility.

2. Lighting and Location. Your stained glass can be hung against any window or wall, but a location with direct sunlight is ideal. Since LED backlights are applied to the perimeter of the frame, the outside edges will appear brighter than the center. Also, please be aware that the amount of light transmitted through the stained glass from our LED lights is dependent upon the reflectivity of the surface behind. I add a white backing to pieces intended for wall locations to prevent light leaks that tend to highlight imperfections in a wall's construction. I am happy to discuss lighting in further detail as this is one of the most important factors in how stained glass is viewed.

3. Hanging. Stained glass should never be suspended from a single point. Two connections to your wall or window are necessary to distribute stress upon the piece and prevent the piece from falling in the event one of the connections fails.

4. Structure. Copper foil panels larger than 3 square feet in area require additional structural support. Some of this support is integrated into the panel and is hidden within some of the solder lines. Larger pieces may require external reinforcement bars behind the piece, which will be seen behind the glass. Significantly larger pieces may need to be divided into multiple panels separated and supported by zinc channels. Wood frames provide additional rigidity that reduces the twisting and bending that can damage or weaken soldered foil joints.

5. Care. Copper and lead are subject to oxidation over time. This can be seen in a gradual dulling of the solder's shine. Every piece is polished to maximize shine and minimize oxidation. Re-waxing pieces using a high quality carnauba paste wax (the same wax used for cars) may be required every one to two years. I use "Nu-Finish: The Once a Year Car Polish" for its ability to shine and protect in one application. Always buff the wax in a direction parallel to solder lines to prevent damaging the soft lead solder and copper foil. Glass can be cleaned using regular high quality glass cleaners when necessary.

6. Shipping. Shipping and handling is additional. Unfortunately, major carriers will not ensure stained glass because of the fragility of glass. Pieces that are shipped are sent in a custom made wood crate that cradles each piece with convoluted foam, 1/2" thick cardboard, and a sheet of closed cell foam. Every effort is made to protect the piece from damage, but it is impossible to guarantee a piece will arrive free of breakage. Glass can crack from force or abrupt changes in temperature. Cracks in glass usually look and feel like cracks in a car windshield.