

Sailboat Enclosure—Kastelic Canvas

Main Fabric: Sunbrella Crest Ash, Trivantage LLC

Secondary Fabric: 30 mil verilon clear vinyl, Trivantage LLC

Additional Fabric: 30 ga. Strataglass, Trivantage LLC

Hardware/Findings: YKK zippers, Trivantage LLC

Additional Fabric: Phifer 72-inch Fiberglass screen, Trivantage LLC

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The client wanted us to fabricate a dodger top as well as a bimini and enclosure for their Passport 47 ft. sailboat using their existing framework. The boat was located on the water 65 miles away and could not be trailered, meaning we would have to template, fabricate and install the enclosure offsite. We have fabricated enclosures before for boats less than 30 foot long, but NEVER for a sailboat. In addition, our customers usually bring the boat to us to work on, as opposed to us having to travel to the boat. We were hesitant, at first, to accept the job, but the customer had talked to us at the Boat Show and was impressed with our work. They said they were moving out of state in July and didn't trust anyone else to complete the job.

The customer was looking for an enclosure that would protect while sailing down to the Caribbean. This included windows as large as possible, cut-outs and zippered access areas for the numerous lines (which we are not accustomed to with power boats), screened panels with u-shaped zippered windows, and custom fit front windows that zippered to the dodger frame. The entire enclosure had to be secured with turn-button fasteners.

It took us over eight hours in 20 mph winds for us to plastic template the boat. After three more trips for installation and slight modifications, we were able to finish the boat enclosure on time. The customer has since texted me saying how he loves the boat enclosure and he even sent me a video of himself in the enclosure sailing in the driving rain.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

We entered this project because of the difficulty level of the enclosure. While we were familiar with enclosures, there were many times where we had to think out of the box to satisfy the customer needs. The most challenging required sewing zippers along the front face of the dodger top in order to attach the front enclosure panels. The other added difficulty was having the boat 65 miles away sitting on the water outside.



Weldcraft Suntop/Enclosuree—Lens Awning and Canvas

Main Fabric: Aqualon, Trivantage LLC

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The client wanted something to give them shade while fishing but also wanted protection if they got caught out in a storm on the river.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This was not all that different from the many full enclosures we do. The clients were great to work with and it was just a fun project.



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CC Magic—SeaCanvas LLC

Window: EZ2CY

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Window: Crystal Clear, Strataglass LLC

Tenara, W.L. Gore & Associates Inc.

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The standard factory acrylic window on the boat was not offering much coverage from the wind and spray hitting the helm. We designed a single window curved to cover 3 sides of the helm. Track was set at the base and under the hardtop to accept the keder top and bottom. The EZ2CY window was slid in the top track and zippered in the bottom track. The .040 Crystal Clear Wings were added for more coverage of the cockpit. The entire project was digitized with a proliner and designed in Rhino cad and flattened in Exact Flat software. Our clients request was an enclosure with more coverage than the standard small 3 window t-top enclosure.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

While we have done a single curved EZ2CY .080 Acrylic window like this in the past this one just looked perfect on this boat. Planning the layout for the track started with heating the track at our shop. Getting the angle of the window from top track to the base track was done by setting blue tape on the tracks before screwing the track in place. Adding the wings just set this enclosure with a sleek look.



Sol Mates—540 Sundancer—Marine Tops Unlimited

Window: Tuffak

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

This 540 Sea Ray needed a makeover. The canvas was old and weathered. This customer did not want a full camper back like you see on so many of these boats like this. They like to cruise with all the rear canvas off and just need it for mooring and inclement weather. We worked with them to come up with a design that gave them the ability to open the rear window/screen option to be able to see out of it, and more important to get some breeze through it. Not shown are the additional screen panels we have for the side triangle areas just behind the arch. We selected the Makrolon/Tuffak product for the front window panels due to its impressive clarity and given the fact that these customers were very unlikely to ever remove any of those pieces.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This boat was a significant distance from our shop (almost 2 hours) so it was important to be able to measure once, cut once, and have a great fitting install without the need for any adjustments. The panels and canvas pieces were also very large so this entire venture was an adventure. Overall the project turned out great and the customers were very pleased with the outcome!



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Comfortably Numb—Precision Custom Canvas

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Secondary Fabric: Tuffak

Secondary Fabric: Aquaview, Manart-Hirsch Co. Inc.

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The client had seen our work on a sistership to his newly acquired Cruisers 3750, and knew he wanted our touch when it was time to replace his canvas. He wanted an update to the screen layout, and to upgrade the windshield to Polycarbonate for perfect site lines.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This project was exciting, as we had only just committed to digital patterning in the fall of the year, and this project was captured in October, built over the winter months, and installed fully in April. Just 2 trips to the boat, one to pattern, and one to install, and we turned out a perfect fit, just like we had been doing with plastic templating previously. With the large 2 section windshield that curved around the sides, we inset the U-zip in the polycarbonate so that it would only be hinging open as a flat section. We do not have a long arm machine to sew deep into a panel, so we split the polycarbonate just outside of the U-zip to allow for easy sewing, then brought it back together with a 1" wide trim piece. We have used this method many times for working with large panels, and it works very nicely.



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The Full Package—Mike's Marine Custom Canvas

Main Fabric: Sunbrella, Trivantage LLC

Window: Strataglass, Keyston Bros.

Window: Polycarbonate UV, Trivantage LLC

Hardware/Findings: YKK Zippers, Trivantage LLC

Hardware/Findings: Costa Track, Keyston Bros.

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The customer wanted a modern looking flybridge enclosure and a full cockpit cover. We followed the lines of the super structure with our vertical zippers to eliminate blindspots. They also wanted maximum airflow and access to the outriggers. The forward section is all Polycarbonate to maintain the shape of the front curves. The sides and aft are all Strataglass so that everything else can roll up. The cockpit cover has two small spray wings with Strataglass to eliminate the backdraft when running full speed. The cover zips to the wings and across the top, and snaps under the rubrail on the sides. The aft section jumps around the railings for the ladder and grenade pins to the rubrail.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

Whoever designed the hardtop did not take into account for the layout of an enclosure. The entire front of the enclosure is inside of the bars and the sides had to transition to the outside of the structure and then back inside all of the bars on the aft. We had to make the main aft section into two panels that meet in the middle and attach to a track across the bar. The hybrid glass makes it so that we can have an oversize window to swing up to the hardtop. The soft glass can all roll up to make it easy for the captain to use his outriggers and ladder.



Bali Cat “Isthmus Breeze”—Yacht Canvas, Inc.

Main Fabric: Sunbrella Taupe, Glen Raven Custom Fabrics LLC

Window: Tuffak Polycarbonate by Plaskolite

Window: Regalite 0.40, O’Sullivan Films

Hardware/Findings: YKK Zippers by YKK

SolarFix Thread by Solar Fix

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

This Bali Enclosure was unique in two ways. The first aspect was that the customer wanted to utilize the existing production canvas. Our mantra, ‘adapt and overcome,’ guided us as we tailored the enclosure to fit the existing canvas top. Our goal was to create an installation that allowed the customer to sail comfortably with a fully in-place enclosure. We crafted a full-width Polycarbonate windshield to ensure a clean view with minimal distortion. We attached the enclosure using various methods, including Costa Track, snaps, and straps, to facilitate quick stowage and deployment.

The second unique feature was a special request from the customer “i the ability to roll the door sideways to the forward position. We accomplished this by cutting the door in a ‘J-Zip’ style and adding fasteners to hold the door in the open position without rolling the panel up to the top.

We also created a second complete shade enclosure in Soltis fabric, anticipating their arrival in the Caribbean.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

We entered this project due to the unique styling of the enclosure as a whole which is completely functional while under sail. The full width polycarbonate window and the J-zip door set this project apart from others.



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Hunter 33—Hayden Island Canvas

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Additional Fabric: Top Gun, Marlen Textiles

Window: Tuffak Marine 5

Solarfix Thread

Window: O'Sea Marine clear vinyl, O'Sullivan Films

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The customer requested a full enclosure that worked well with the cockpit of the boat and still be could be operated from inside the enclosure. They also wanted us to use the stainless steel traveler arch for the aft bimini with coverage in the summer from the bimini for the aft stern seats, but panels enclosing the main cockpit in the winter. We fabricated the dodger with Marine 5 clear panels in a 3 panel zip out layout. The side and aft panels were made with 40 mil O'Sea marine soft vinyl We included our easy access zippers for folding back the panels in the center sides for easy forward access on the boat. The side panels required cutouts for the traveler lines in multiple spots so they could be operated from inside the enclosure, along with zip out winch access. The aft top was built to overhang the aft stern pulpit seats for shade during summer use, but the panels were built to hang from the middle bow and compliment the shape of the cockpit and avoid bad angles, and multiple cutouts for the arch and railings.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

The traveler arch on Hunter sailboats of this era pose a lot of problems for design. By building the bimini directly off of the arch and having a flap and zippers at well planned middle bow, we were able to place our aft panels exactly where desired with plenty of strength. This enclosure took a fair amount of planning to make sure to avoid all the exterior obstacles and make a clean looking, easy to zip in and out enclosure. The uniqueness of the overhanging aft top length made for a unique, yet double use enclosure.



German Frers Enclosure—Kustom Canvas and Vinyl

Main Fabric: Plexiglass

Secondary Fabric: Regalite HVG

Additional Fabric: Valmex Fr580 HVG

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

The client requested a removable Cockpit Enclosure made from durable materials. We were fortunate to have high-quality materials that matched perfectly in color, creating the ideal custom hybrid cockpit enclosure. They needed it to have flexible sides that could be rolled up, be entirely removable for transit, and be designed to work around winches. Mesh panels were integrated for ventilation and to prevent mold growth. Additionally, mesh was used at the back to provide convenient access to the winches during transit, all while ensuring that clears wouldn't be damaged during frequent removal.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

With this project we had to ensure that the reinforcing lines are accurately aligned with the boat's contours, all while preserving the boat's original appearance. We had to increase the size of the reinforcing's especially as the hardtop sits relatively high on the boat and make the horizontal reinforcements thicker to maintain a streamlined look for the cockpit enclosure without making it appear overly tall. The customer was very impressed with the overall outcome of the project meeting all requirements and enhancing the look of the boat.



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25' Parker—Charlton's Marine Canvas

Main Fabric: Stamoid Open, Keyston Bros.

Secondary Fabric: 18oz VCP, Manart-Hirsch Co. Inc.

Window: 60 UV Polycarbonate

Window: O-Sea 40, O'Sullivan Films

Solarfix Thread, Keyston Bros.

Hybrid Enclosures - Sailboat & Powerboat



WHAT ARE THE PROJECT SPECIFICATIONS?

Full 7 piece 3 sided enclosure. customer wanted protection from the wind and waves when they are fishing in the winter weather.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This enclosure was designed to give a large area of protection for the customer. The challenge was to make an enclosure that complimented the boats aesthetic look, giving great visibility and also function very easily. We kept the window lines flowing smoothly from panel to panel. We also installed snaps on the front of the console which are hidden with a flap to give a very clean look. The wings also have J-zippers to make for very easy access to the bow of the boat, otherwise they would have 2 zippers and a strap hook to release to get forward which would not be fun. The front 3 panels are rigid polycarbonate and the 4 side panels are flexible glass to be rolled up when needed.

