

Azimuth 54 Motor Yacht—Advanced Canvas & Upholstery

Main Fabric: Sunbrella Tresco Linen, Glen Raven Custom Fabrics LLC

Window: Clear pvc vinyl .040, Strataglass LLC

Zippers

Solar fix

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

Customer wanted an enclosure with operable windows everywhere. Honestly this boat belongs in warm climate without an enclosure. Then of course I get to work for one of the top 5 lawyers in Los Angeles and he picks Tresco Linen canvas. Next time patterned canvas is "Not available." We had to run new track top and bottom and build a little stainless bracket for the bottom center of the Venturi to support the Venturi and enclosure. He wanted the vertical parts of the front window to not be in front of his line of site when driving even though he had a captain and he wanted a small drivers window on side panel for parking.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

The job came out nice and tight and clean with lots of visibility. It was another brand new design / idea with all new track and hardware. The steep angle from the hardtop to the Venturi rail was unpredictable. There was so much angle that it allowed the windows to want to sag more so it was tricky patterning to be able to not get wrinkles or warping. Then you add a patterned fabric so we had seams in some of our window border parts which was tricky to get flat when sewing window pockets. We needed a stiff fabric strip in the middle of the 2 front windows so I used window material to give it structure while windows were open. When designing the operable windows I needed to take into consideration installing the hanging hardware around the retractable roof so the roof could be opened at the same time as all the windows to fully open the bridge and for all of them to have the right amount of overlap. Getting those bottom outside corners and the top of the front of the windows flat was tricky and took some additional fudging once windows were first installed.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

Cat 5—Formula for Survival—Marine Tops Unlimited

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Window: StrataGlass, Strataglass LLC

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

This boat came to us as a survivor of Hurricane Ian. The boat was mostly unscathed after the hurricane, however, the canvas enclosure could not say the same... We had to fabricate a whole new rear frame setup for this Formula 310ss as well as install all new costa pvc tracks on the arch on both front and rear sides. The existing track was something Formula Boats used for several years in which the material was sewn to a plastic strip and that got pressed into the big bulky track on the arch. However, this poor design functioned very badly and the customer wanted the proper costa tracks mounted onto the arch instead. The rear 2 bow frame was also damaged in the hurricane which wasn't an issue as the customer wanted more sun coverage and a longer enclosure in the rear, so we custom bent and installed a 3 bow cantilever style frame setup for the rear enclosure.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This project has some pretty challenging aspects. Having to heat mold and install new tracks on both sides of the arch was a challenge. We used a 20' stick of Costa track for both sides to eliminate the need for seams in the track that can leak. Taping the track, heat molding the rounded bends in the arch, and then installing all the screws, and finishing it off with a nice bead of caulk is a big job in itself. However, we also had to design and fabricate a new rear frame setup for this boat and we chose a cantilever design to eliminate the need for any deck mount fittings rear of the arch and give this boat a super clean look that worked great for the customers when they were only using the rear top and didn't have any enclosure curtains installed. This boat travels across the country to different boating destinations every year so they needed the frames to be able to easily be removed and be stored under the rear storage hatch. This required to intricate design and creative thinking on how to make the frame legs collapse easily and quickly, yet be strong enough to properly hold the tops and enclosure at speeds over 50mph which this boat is capable of. Lastly, it is always difficult but massively important to ensure the enclosure we fabricated did not make a mess of the sleek and sexy lines of a boat like this and I think we hit the nail on the head for this one!



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

Crownline 250CR—Bootssattlerei Hallier

Main Fabric: Sunbrella Plus

Window: Renolit Prime Crystal Clear

enara, W.L. Gore & Associates Inc.

YKK Nr. 10 coil zipper

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

Customer wanted a new enclosure together with a new easy to store below the windshield SS framework. Since he knew how we normally fit our enclosures he told us that his wife should be able to snap especially the back panel on.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

For the new framework we switched from the original five bows to four. All four of them are connected and together with the ball fittings the framework can be laid flat on the windshield and after that stored below the windshield yet fastened and secured in the windshield fittings. Customers can now trailer the boat with all the framework / bimini totally secured. Every panel uses snaps, normally we would have also used webbing for fastening the back panels because of the overhung back seat. However the customer wanted an easy to use enclosure and also his wife should be able to snap it on - explicitly forbidding us our normal tight fit ;)



Crystal Clear Comfort—Canvas Designers

Main Fabric: Stamoid Light, Serge Ferrari North America Inc.

Secondary Fabric: 40 mil Regalite Firma

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

We embarked on a project to design and install a 15-panel, 3-sided sandwich-style enclosure using 40mil Regalite Firma Glass. The goal was to create a seamless and durable enclosure that provides optimal protection and visibility for the vessel's occupants. The enclosure wraps extend from the port aft, ensuring a snug fit and comprehensive coverage.

The sandwich-style construction enhances the structural integrity of the enclosure, providing superior resistance against harsh marine conditions. The use of 40mil Regid Glass offers excellent clarity and durability, making it ideal for large enclosure panels.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

The complexity of this project lay in the precise fabrication and installation of the 15-panel enclosure. Achieving a seamless look required meticulous alignment of each panel, especially with the sandwich-style construction. Integrating the enclosure wraps from the port aft demanded precise measurements and customization to fit the vessel's unique contours. The custom 15-panel, 3-sided sandwich-style enclosure not only enhances the vessel's aesthetic appeal but also provides superior protection and functionality. This project underscores our ability to tackle complex designs and deliver results that meet the highest standards of quality and craftsmanship.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

Horizon Mesh Enclosure—Kustom Canvas and Vinyl

Main Fabric: Vistaweave Nolans

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

We were asked by the client to create an aft deck mesh enclosure which gave privacy and weather protection from the harsh Australian elements while maintaining airflow. Hardtop and capping rails were tracked. Hardtop supports were intricately shaped. An angle finder was incorporated for cutting tracks.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This project stands out from others due to its complexity, yet it turned out meeting customer expectations. The challenge we faced was the need to round the stern-facing corners to conform to the shape of the hull. This was particularly difficult because the hardtop had square corners with no space for track installation. We positioned press studs precisely to create a curvature using 3D Hollowing, which minimized excess material.

All sides of the enclosure could be rolled up with the aid of fiberglass battens. Vertical zips were secured with press studs on the capping rail tracks, and studs were fitted using thread screws and internal lock nuts. The press studs on the stainless rails were thread-tapped and screwed. Correct application of warp-weft for reinforcing preventing any loosening of the fabric over time. Additionally, all mesh edges were folded, and every fixing included a three-layer reinforcing for added durability.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

Jump Thru Wings—Mike's Marine Custom Canvas

Main Fabric: Sunbrella, Trivantage LLC

Window: Strataglass 40 Gauge

Webbing/Narrow Fabric: 1" Webbing, Trivantage LLC

Hardware/Findings: YKK Zippers, Trivantage LLC

Hardware/Findings: Costa Track, Keystone Bros.

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

The client wanted maximum comfort and protection from the weather on his brand new center console. He also needed easy access to the bow for the seating, and most importantly, the potty.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

This brand new center console boat had a glass windshield and a black powder coated T-top. We used black track on the top and white track on the fiberglass. We continued the slick design with a candy cane shaped coil zipper in the wings that fold flat against the console. The rest of the enclosure rolls up to the hardtop with straps.



Meridian 411—Hayden Island Canvas

Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Window: Strataglass 60 mil, Strataglass LLC

Flex-rail

Solarfix PTFE thread

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

The client requested a premium enclosure on the flybridge with .060 Strataglass all around for the custom hardtop installed on their Meridian 411. Extra track was installed for sliding center panels port and starboard, along with a ventilation u-zipper in the aft center. The aft deck received a mainly canvas enclosure to keep the aft clean and dry. It was designed for easy removal/storage in the summer, along with curved zippers for easy entry into the boat, and to the side walkways for moving forward on the boat.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

The customer had many requests to make this enclosure easier to operate. U-zippers that hinged up were out of the question. The customer also did not want any rigid panels, finding them too awkward to handle when removing due to size. The tall hardtop, and a not so tall customer with not so young arms, we came up with a few solutions to make operation of the enclosure easier for the client. First the sliding panels on the bridge to avoid reaching overhead too much. The sliding panels had their zippers reversed from all the rest of the panels, so they could be started at the bottom like a jacket and zipped upwards to close. making closing them easier. The U-zipper in the aft lower deck center section was installed upside down so that instead of trying to hinge up to the fiberglass or have to roll up, it can fold downwards and hang next to the transom. The customer and we were quite pleased with how well this all turned out.



Riviera 51 Flybridge Clear Enclosure—K1 Marine Trimming Pty Ltd

Main Fabric: Strata Glass

Secondary Fabric: Flexlight 6002

Hardware/Findings: YKK Zips

Hardware/Findings: Flexi Track Marine

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

The client requested a Flybridge Clear Enclosure with the following criteria: provide the maximum possible unobstructed vision and clarity; provide a sleek and smooth aesthetic; enable easy access to the rear Flybridge fishing rod holders; provide a high-quality product that would last more than a couple of years.

We worked closely with the client to make sure we knew exactly what they wanted and so were clear on what we needed to achieve. Our process is one of attention to detail, consideration of all elements of design and their implication, and how best to incorporate everything we need to achieve. Thoroughness in the planning stage is what ensured we could not only meet but exceed the client's expectations.

The previous clear enclosure had not withstood the test of time due to poor quality materials and construction techniques. It was easy to see where the client's complaints of leaking and the emphasis on unobstructed vision had come from; the clears were yellowing and hazy, the view was obstructed by multiple unnecessary solid panels and zips, the enclosure itself had been created in several panels with joins in high load/stress areas and therefore susceptible to damage from environmental exposure, causing frequent leaks and an overall unpleasant user experience for the client. Upon closer inspection it was also clear that a non-UV rated thread had been used, and that the stitching was coming apart in some sections; the high load areas were particularly affected.

Addressing these issues to create a bespoke, perfectly fitting and weatherproof Flybridge Clear Enclosure to meet the clients brief involved a complete redesign of the enclosure and required significant improvements on both design and execution.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

We chose to submit this project as it perfectly showcases our commitment to quality, functionality, aesthetics, and customer satisfaction. We don't let the difficulty of any project stand in the way of achieving exemplary results. The complexity of this project centred around providing maximum vision (ie. designing the enclosure with as few panels as possible) whilst navigating the changes in angles associated with corners and attachment points for both the ceiling and the deck, as well as incorporating as weather tight a solution as possible.

The previous enclosure, and in fact most "from factory" enclosures for this type of flybridge, came in six panels. By using our tried and tested design methods we were able to take the various existing shapes and structures into account to create a design using only four panels. Being able to reduce the number of panels avoids the problems associated with the previous enclosure such as creating joins over high stress areas, weak points, and opportunities for leakage, as well as significantly increasing visibility, thereby significantly improving the performance of the enclosure as well as creating a visually seamless and beautiful look.

To further support the longevity of the enclosure we used specifically UV rated PTFE thread across the entire project. We also double reinforced all edges using a high-quality material with a 10 year UV rating to provide structural support and increase the lifespan of the enclosure. Sadly, these aspects of design and manufacture within our industry are often overlooked or omitted. We believe these simple but significant additions greatly contribute to the performance and longevity of the enclosure and will ensure the client avoids the problems they encountered with their previous enclosure.



See Through SeaRay 390—Yachtsmans Canvas

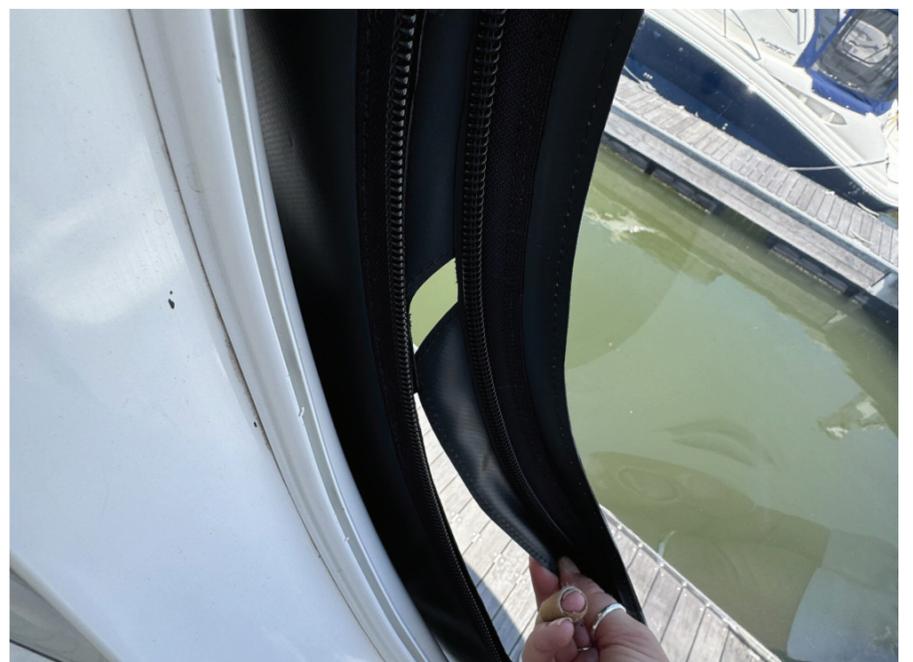
Main Fabric: Sunbrella, Glen Raven Custom Fabrics LLC

Window: Strataglass, Herculite Products Inc.

Hardware/Findings: YKK Zippers

Hardware/Findings: StayPut

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

This project consists of an aft enclosure replacement on a SeaRay 390.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

Although a simplistic project at first glance, the details of this project set this apart from others. Patterning techniques were utilized to eliminate excess bulk in the corners providing the clarity, wrinkle free appearance of a hardsided polycarb/acrylic finish but fabricated with a soft sided rollable clear vinyl. This is particularly evident and displayed in the tight corner radius of the project. Bumper tie off cleats are located each side of the forward end of the enclosure. To accommodate access, a “c” shaped window zipper was installed. Because of the unique shape of the window opening, a transitional external window was required to prevent leakage. The window cover begins vertical for the vertical most of the c and transitions to horizontal coverage when approaching the bottom curve of the c. Design features setting this project apart include custom vertical tabs for ease of use (eliminating the need for a bulky and floppy zipper tail), covered internal zippers (external too) for a seamless appearance and vertical panels hidden behind built-in stainless-steel supports. Removable roll up straps were provided to eliminate the hanging straps in view when not in use.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

Sir, This Is A Private Party—Chicago Marine Canvas

Main Fabric: SeaMark Black, Glen Raven Custom Fabrics LLC

Secondary Fabric: Sunbrella Black, Glen Raven Custom Fabrics LLC

Window: Strataglass, Herculite Products Inc.

SolarFix PTFE, Keyston Bros.

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

Miss Fortunate, a 2000 Sea Ray 560 Flybridge was presented to us with just a forward enclosure with no canvas or frame on the aft section of the bridge or lower aft deck. The customer request was to completely enclose the boat with privacy in mind.

We took initial measurements for 1" stainless steel frames with a Prodim Proliner and designed the frames and enclosure in CAD for the customer to review. The customer loved how he was able to see the enclosure and visualize how it would look on the boat before fabrication started. A few minor adjustments were made, and production began.

The tops were fabricated out of SeaMark, window canvas Sunbrella and windows material was 40 ga Strataglass. One request the customer had was to create privacy curtains that could be removed from the inside of the lower aft deck. These were secured via hook/loop and performed great upon installation.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

One of the biggest challenges of this project was how to mount the canvas and have everything match up. We used a PVC track system for the majority of the canvas tops to achieve this. We installed a double track from where the bottom of the aft bridge panels meet up to the aft deck top. The aft bridge panels overlapped the lower top to obtain a great seal between the two sections of canvas.

The second challenge was installing the frames and canvas between all of the parties on the yacht but we really didn't mind that at all!



Storm Damage Warrants New Enclosure—Whitewater Canvas LLC

Main Fabric: Sunbrella Linen Tweed, Trivantage LLC

Window: Strataglass 40 gauge, J Ennis Fabrics

Hardware/Findings: YKK #10 Vislon zippers, Trivantage LLC

Hardware/Findings: Extreme Seal, Trivantage LLC

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

This customer got caught out on the river in high winds. His top was blown completely off. He was leaving in two weeks on vacation with his boat. He was looking to have it redone just like his old enclosure, but we had very limited time. We already had a busy schedule, but since he was a valued repeat customer we decided to fit him in. We were able to get everything completed for him. Finishing up just one day before his scheduled trip.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

Our customer was having trouble with his top leaking as it attached to the radar arch. We extended the top up onto the arch. Using extreme seal and adding snaps into the arch we were able to get a tight seal to eliminate any leaking.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.

ZAR Formenti 75—Bootssattlerei Hallier

Main Fabric: Sunbrella Plus

Window: Renolit Prime Crystal Clear

Tenara

Additional Fabric: Soltis 86

YKK Nr. 10 coil zippers

Powerboat - Soft Enclosures



WHAT ARE THE PROJECT SPECIFICATIONS?

Our customer wished to be able to use the full length of his RIB under all weather conditions no matter if it's sun or heavy rain.

A full 360° view from inside at the steering position should be provided. A long bimini together with the Soltis 86 shade panels were also necessary because of him being endangered by skin cancer. For privacy reasons we also made velcroed shades for the windows out of Soltis 92. For his elderly mother there should also be a large and easy entrance on both sides. The enclosure should be capable to have the ZAR 75 run at full speed.

WHAT IS UNIQUE OR COMPLEX ABOUT THE PROJECT?

Customer had seen our awarded enclosure for a ZAR 95 and wanted something similar but with a steeper front for better view and sun protection. For the framework we opted for three bows in the back (tensioned with a strap that can be fastened to the frames if you want to enter the boat by the side) and two separate frames in the front (20cm more narrow to follow the width of the boat). All framework can be layed flat if necessary. The bimini in the front together with the front and side panels can be used as a separate sprayhood. Due to the different widths of the framework and not being able to use snaps at the side, the 4.70m long side panels have inside and outside curves and are completely 3D shaped. For fastening the back panel we opted for webbing because of the overhung back rest. The twelve Soltis 86 panels can be either combined with the enclosure for fresh air and mosquito protection or as a full sun protection all around. Also the front and back panels needed darts to tension them properly and to get them as wrinklefree as possible, this RIB was by far our most complex and time consuming project so far.



Disclaimer: Content is submitted by the participant. ATA is not responsible for the content descriptions of the Marine Fabrication Excellence entries.