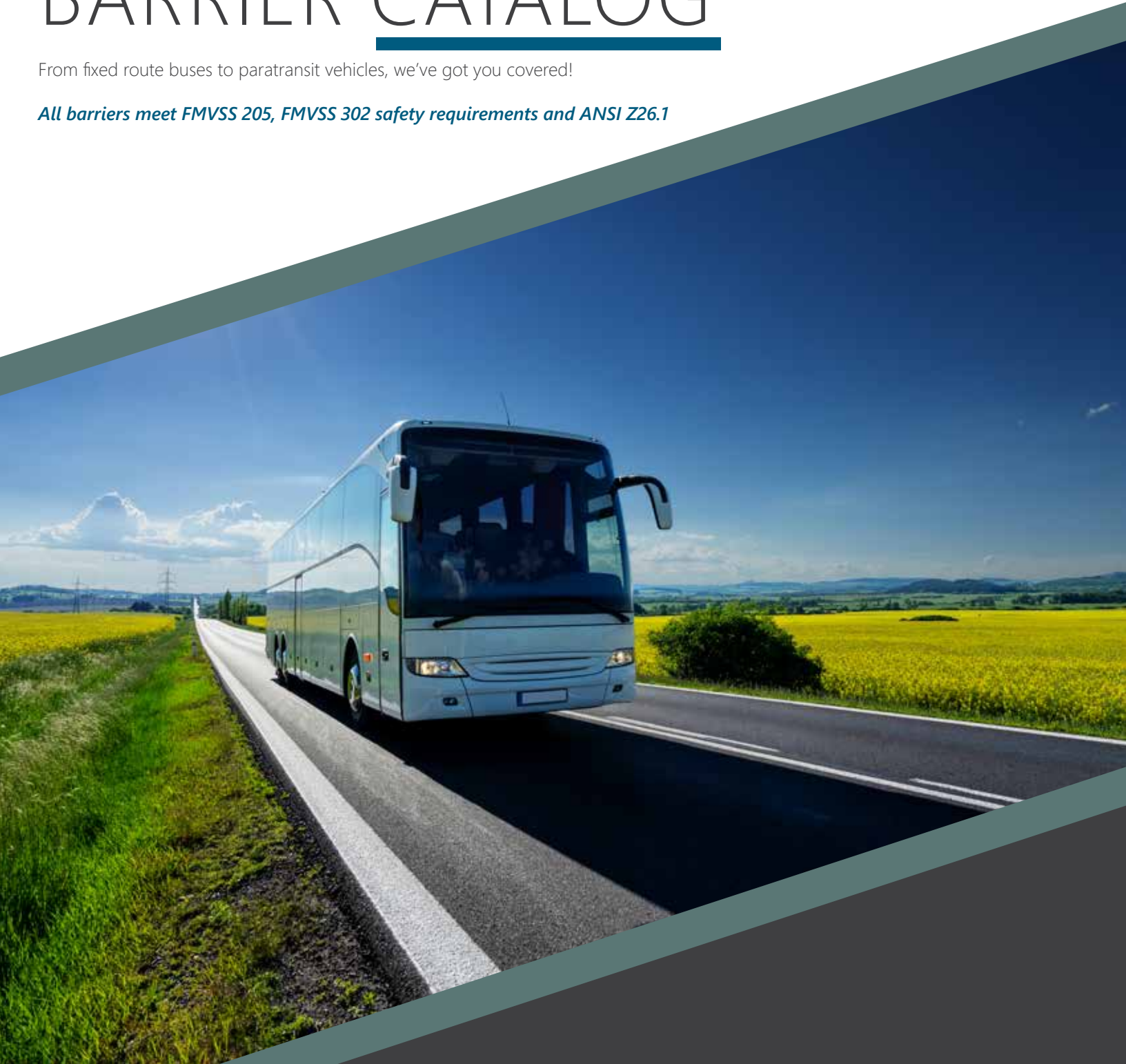




TRANSPORTATION BARRIER CATALOG

From fixed route buses to paratransit vehicles, we've got you covered!

All barriers meet FMVSS 205, FMVSS 302 safety requirements and ANSI Z26.1





Queen City Engineering & Design, located in Concord, NC, is a North Carolina registered Professional Engineering firm founded in 2015 to bring value to our customers with our Mechanical Engineering & Manufacturing Services. Having worked exclusively in Research & Development throughout his career, our Founder and President, Rex Carriker P.E., a graduate of North Carolina State University, created Queen City Engineering & Design to provide Turn-Key Engineering Solutions for the complex problems our customers encounter in modern manufacturing. Our in-house team of engineers and technicians are highly skilled in the design and development of purpose built, custom engineered products and solutions. We realize our customers want real-world solutions to their real-world problems so it is this reason that in 2018 we relocated to a new 7,000 sqft manufacturing facility in Concord, NC. With machining, sheet metal, welding, and finishing capabilities, this addition allows us to provide truly Turn-Key Solutions to our customers by fully controlling the entire development process resulting in greater flexibility and shorter lead times. We have built our business by earning our customers' trust through creating realistic, cost effective solutions to their most troubling problems.



Industries Served

- Automation & Robotics
- Automotive
- Motorsports
- Medical
- Oil & Gas
- Welding
- Consumer Products
- Outdoor Power Equipment
- Commercial Signage & More!

Our Facility

- 7,000 square foot facility
- ISO 9001:2015 Certified Company
- Full sheet metal manufacturing capabilities
- Professional Engineering staff
- CAGE Code 7XCL7
- SAM Registered
- DUNS 11-054-3474
- EIN 47-4636916
- Xometry's Excellence in Manufacturing 2018 Award
- NCMEP's 2022 Leadership Award of Innovative Practice
- CTAA Member
- ASME Member
- TTA Member
- US Small Business Chamber of Commerce member
- Cabarrus County Chamber of Commerce member



Fixed Route Barriers

Driver Barrier Security Doors

Common Vehicle Types:

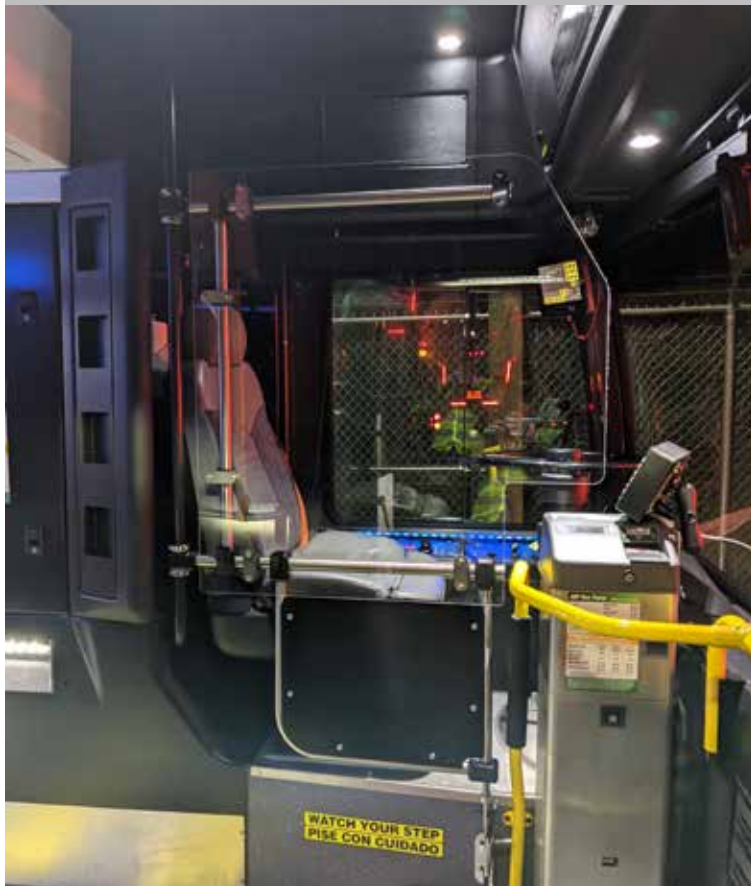
Gillig, Arboc, BYD, New Flyer, Eldorado, Opus, Orion, Nabi, Neoplan, Trolleys and many more!

Securely attaches to the existing driver's area compartment with minimal vehicle modification, installs in approximately 35 minutes, features an easy to slide window that can be locked in either the open or closed position, has a universal design, comes pre assembled, and weighs less than 50 lbs. Opens and closes like a standard door and includes a metal security kick panel. Custom-designed to fit around aftermarket and existing bus equipment and controls with locking controls that allow the driver to select from two positions, adjusting how close the barrier is to them. Glazing material meets all Safety Standards and is DOT stamped. All products meet the Buy American Act.

Use fitment guide for sizing and measurements.

Standard Door

P/N: 201-8004



Proterra Standard Door

P/N: 201-8004



Fixed Route Barriers

Sliding Window Door

P/N: 201-8019



Sliding Window Door with Closeout

P/N: 201-8019



Trolley Standard & Sliding Window Door

P/N: 24-715-9201

P/N: 24-715-9203



MCI D5400 - Standard & Sliding Window

P/N: 21-585-8002

P/N: 21-585-8003

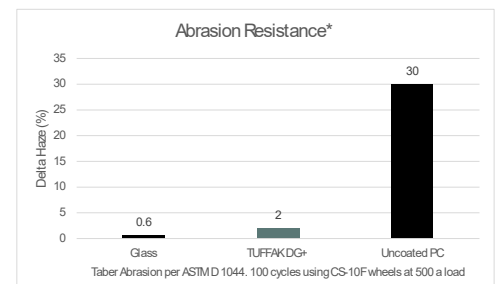
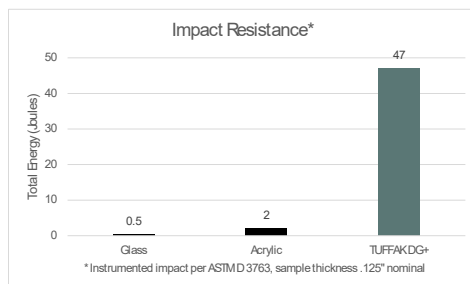
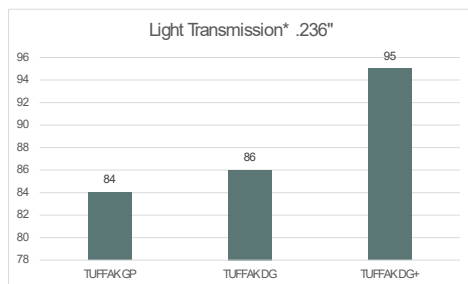


Anti-Reflective Driver Barrier System

With Driver Assault on the rise, Driver Barrier/Protection is a must. However, the number one complaint of the Driver Barrier System is glare. Our team of engineers have been working for a year to come up with a system that reduces reflectivity. Now introducing our Anti-Reflective Driver Barrier System.

Features:

- High Optical Quality with exceptional durability
- Proprietary Anti-reflective surface treatment reduces reflectivity and enhances driver visibility.
- Meets all applicable safety standards such as ANSI Z26.1, FMVSS 205, and FMVSS 302
- DOT Stamped
- Meets Buy American Act
- Abrasion Resistant, Chemical Resistant, and made for long-lasting performance
- Additional close out panel allows for an additional 3" of driver space and comfort



Visor Barriers

Common Vehicle Types:

Gillig, Arboc, BYD, New Flyer, Eldorado, Proterra, Opus, Orion, Nabi, Neoplan, Trolleys and many more!

Requires little to no modification to your vehicle, installs within 5 minutes, come presassembled, opens and closes like a visor, and can be adjusted by the driver for comfort and better coverage by moving the barrier up and down and in and out on the stanchion. Extends to add extra coverage for interaction with the farebox.

Use fitment guide for sizing and measurements.

Side Shield

P/N: 204-9002 -- 36" x 24"

P/N: 204-9001 -- 30" x 24"



Easy to Use
Easy to Install
Better Coverage

Visor Barrier Mounting Kits

Makes little to no modification to your vehicle, installs within 5-10 minutes, complete kits with hardware, allows you to properly install visor barriers onto vehicles like Gillig, Nabi, Proterra and more.

Gillig/Nabi Mounting Kit

P/N: FRB-0600-1250



Proterra Mounting Kit

P/N: 201-7004-7006



Made with Economical, High Quality, Compliant Materials. DOT Stamped.

Cutaway / LTV Barriers

Driver Barrier Security Doors

Common Vehicle Types:

Champion, Arboc, Starcraft, Elkhart, Goshen, E450, Eldorado, GMC C5500, and many more.

Securely attaches to the existing driver's area compartment with zero vehicle modification, installs in approximately 15 minutes, has a universal design, comes pre assembled, and weighs less than 50 lbs. Opens and closes like a standard door and is custom-designed to fit around aftermarket and existing bus equipment and controls. Built-in adjustability allows the maintenance team to position the barrier system anywhere on the station based on driver's height and comfort. Glazing material meets all Safety Standards and is DOT stamped, All products meet the Buy American Act.

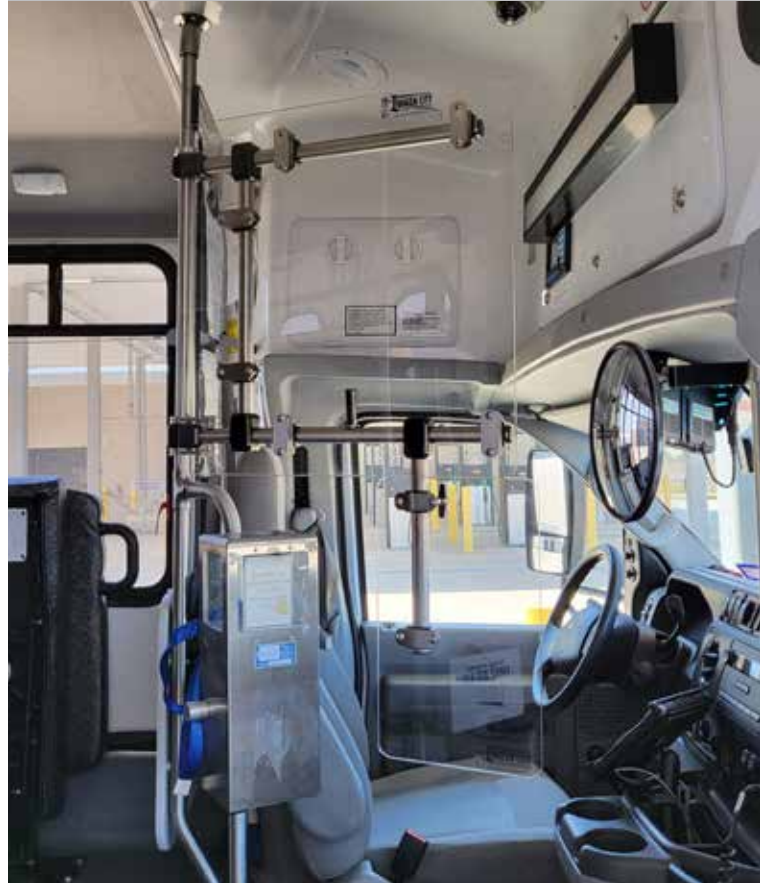
LTV Standard Door - No Farebox Accommodation

P/N: 22-635-8000



LTV Standard Door - Farebox Accommodation

P/N: 22-615-8000 / 22-615-8010



Quick Install. DOT Approved. Superior Protection.



Cutaway / LTV Barriers

Driver Barrier Security Doors

Common Vehicle Types:

Freightliner, Goshen, and Larger LTVs

Securely attaches to the existing driver's area compartment with minimal vehicle modification, installs in approximately 35 minutes, features an easy to slide window that can be locked in either the open or closed position, has a universal design, comes pre assembled, and weighs less than 50 lbs. Opens and closes like a standard door and includes a metal security kick panel. Custom-designed to fit around aftermarket and existing bus equipment and controls with locking controls that allow the driver to select from two positions, adjusting how close the barrier is to them. Glazing material meets all Safety Standards and is DOT stamped. All products meet the Buy American Act.

Freightliner Standard Door

P/N: 201-8024



Freightliner Sliding Window Door

P/N: 201-8025



Cutaway / LTV Barriers

Driver Barrier Systems

Complete Driver Barrier System to provide the most coverage to the driver which includes stanchions, modesty panel, hardware, and Driver Barrier Security Door.

Securely attaches to the existing driver's area compartment with minimal vehicle modification, comes pre assembled, and weighs less than 50 lbs. Security Door Opens and closes like a standard door. Custom-designed to fit around aftermarket and existing bus equipment and controls. Glazing material meets all Safety Standards and is DOT stamped. All products meet the Buy American Act.

Aisle Barrier

P/N: 24-728-9000



Arboc System

P/N: 24-746-9001



Cutaway / LTV Barriers

Visor Barriers

Common Vehicle Types:

Champion, Arboc, Starcraft, Elkhart, Goshen, E450, Eldorado, GMC C5500, and more!

Requires no modification to your vehicle, installs within 5 minutes, come preassembled, opens and closes like a visor, and can be adjusted by the driver for comfort and better coverage by moving the barrier up and down and in and out on the stanchion. Application best used for smaller vehicles and driver's area. Most economical option.

Use fitment guide for sizing and measurements.

Side Shield

P/N: 204-9005 -- 19" x 19"

P/N: 204-9006 -- 18" x 24"

P/N: 204-9008 -- 19" x 28"

P/N: 204-9004 -- 24" x 32"

P/N: 204-9003 -- 28" x 28"



Back Shield

P/N: 204-9007 -- 16" x 28"



Passenger Barriers

Multiple Sizes



Passenger Barriers

Common Vehicle Types:

Champion, Arboc, Starcraft, Elkhart, Goshen, E450, Eldorado, GMC C5500, and many more.

Requires no modification to your vehicle, installs within 5 minutes, come preassembled, fully adjustable, and quick release barriers for flip up ADA seats.

Use fitment guide for sizing and measurements.

Bus Components

Traditional Bus Components

Now Offering:

Stanchion Tubing, Stanchion Fittings and Hardware, Modesty Panel Kits, and Much More.

Call or email for more information.

704-918-5851 | sales@queencyeng.com | www.queencytransit.com

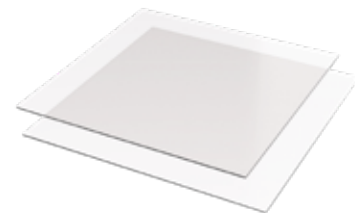
Modesty Panel Kits

Made to Order



**Proudly Made with
LEXAN™ MARGARD**

Abrasion Resistant
Impact Resistant
High Optical Clarity



Transit Van Barriers

Transit Van Barrier Kit

Common Vehicle Types:

Ford Transit Vans, Sprinter, Promaster, and many more!

Securely attaches to the existing driver's area compartment with minimal vehicle modification, comes pre assembled, and weighs less than 50 lbs. Installs in less than an hour. Custom-designed to fit around aftermarket and existing bus equipment and controls. Glazing material meets all Safety Standards and is DOT stamped. All products meet the Buy American Act.

Top Barrier Kits

P/N: 205-9001



Barrier for the top half of the vehicle

Full Barrier Kits

P/N: 205-9001, 205-8006



Full barrier which includes a sliding window for passenger interaction



Standard Vehicle Barriers

Headrest Barrier Kit

Common Vehicle Types:

Minivans, Sedans, Standard, Compact and Full size SUVs, Trucks, and Compact Cars.

Makes no modification to your vehicle, installs within 5-10 minutes, comes preassembled, and is fully adjustable to fit most vehicles. Comes in a set of two. Installs onto the existing headrest posts and work independently allowing both driver and passenger to adjust their seat for their own comfort.

Headrest Barrier Kit

P/N: 203-9001 -- 22" x 15"

P/N: 203-9002 -- 23" x 16"

P/N: 203-9003 -- 25" x 18"



Side Barrier Kit

Common Vehicle Types:

Minivans and MV-1s

Installs in about an hour and comes with a full mounting kit and hardware.

Side Barrier Kit

P/N: MV1-2436



School Bus Barriers

Headrest Barrier Kit

Common Vehicle Types:

Thomas Built Buses School Buses, Blue Bird- Vision, and many more.

Only manufacturer-approved school bus driver barrier requires little modification to your school bus, installs in 30 minutes, meets all required safety requirements, comes fully assembled, and is a rigid material.

Rear Panel Assembly Only

P/N: 228339



Rear & Side Panel Assembly

P/N: 228340



LET OUR TEAM HANDLE YOUR BARRIER INSTALLATION PROJECT

We offer full installation services across the entire United States. From site measurements to seamless installations, our team is dedicated to making your barrier project a breeze.

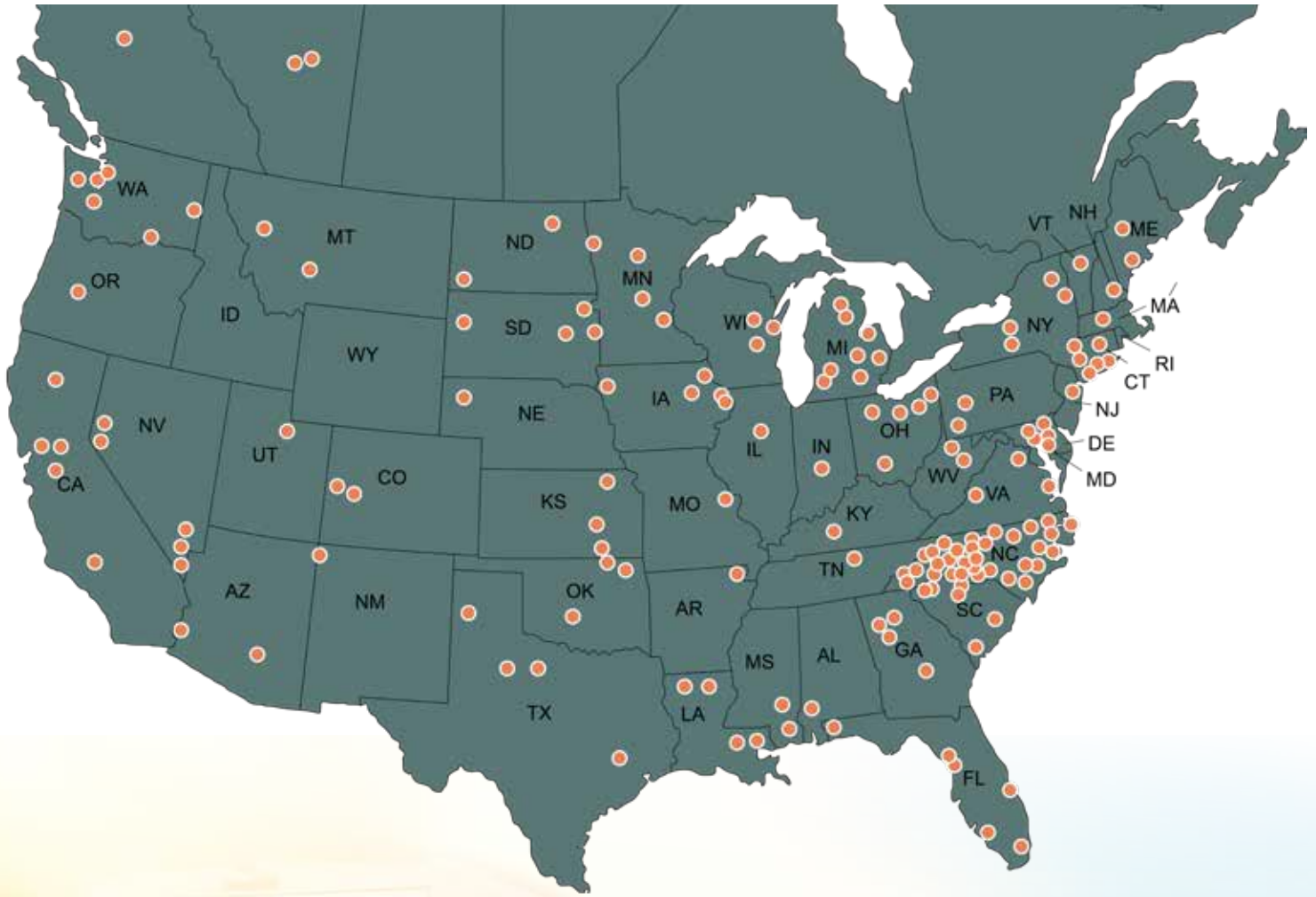


**Expert Installation
Across the
United States!**



SERVING CUSTOMERS ACROSS THE US FROM THE QUEEN CITY!

Based in the Queen City of Charlotte, North Carolina, our team provides customers across the continental United States and Canada with expert designs and installations!



What Do Our Customers Have to Say About Us?

"THE SHIELDS ARE WORKING SPLENDIDLY. NO PROBLEMS TO REPORT AND I WILL DEFINITELY KEEP YOU IN MIND FOR FUTURE ENDEAVORS. I APPRECIATE YOUR FOLLOW UP AND GENUINE CARE. THAT IS HARD TO FIND THESE DAYS"

Vincent | STARS | Senior Manager Maintenance & Facilities

"ASHLEY AND THE FOLKS AT QUEEN CITY ENGINEERING HAVE BEEN A GREAT COMPANY TO PARTNER WITH. WE CAME TO THEM WITH OUR FLEET AND WE HAVE SEVERAL DIFFERENT MODELS FROM 1996 NEW FLYERS TO 2019 GILLIGS AND THEY WERE ABLE TO QUICKLY COME UP WITH SOLUTIONS FOR ALL OF THE DIFFERENT MODELS. WHEN WE DID HAVE AN ISSUE WITH THE SIZE OF ONE OF OUR STANCHIONS, THEY WERE QUICK TO REMEDY THE PROBLEM AND SOLVE THE ISSUE FOR US. I HIGHLY RECOMMEND THEM AS THEY HAVE A GREAT SOLUTION THAT MOUNTS QUICKLY AND WORKS GREAT!"

David | CARTA | General Manager

"THANK YOU FOR BEING SO GREAT TO WORK WITH AND FOR REALLY TAKING THE TIME TO UNDERSTAND OUR NEEDS. YOU GUYS WERE GREAT TO WORK WITH"

Vanessa | HRDC | Transportation Program Manager

"WE WOULD RECOMMEND QUEEN CITY ENGINEERS TO ANY COMPANY LOOKING TO INSTALL THE PROTECTIVE SHIELDS. THEIR TEAM IS VERY PROFESSIONAL AND FLEXIBLE WITH OUR SCHEDULE TO ENSURE OUR ENTIRE FLEET WAS COMPLETED IN TWO DAYS!"

Masie | Mecklenburg Transportation System | Manager

"THANKS FOR YOUR PROFESSIONALISM AND COMMITMENT TO ETHICAL BUSINESS PRACTICES! IT HAS BEEN A PLEASURE WORKING WITH YOU"

Tom Beggs P.E., LEED AP | Providence Day School | Director of Facilities



Recipient of NCMEP's 2022 Leadership Award of Innovative Practice

Need barrier protection solutions?
Contact us today for help!
704-918-5851
sales@queencityeng.com



queencitytransit.com