

PALMETTO BUS SALES

Selling New & Used Buses Since 1965

P.O. Box 2898
West Columbia, SC 29171
Interstate – 26E @ Exit #119

803-754-3827
803-754-5326 fax
www.palmettobussales.com

February 16, 2012

RECEIVED

FEB 16 2012

Ms. Cheryl Patrick
S.C. Materials Management Office
1201 Main Street – Suite 600
Columbia, S.C. 29201

Materials Management Office
11:00 A.M.

Ms. Patrick:

I want to thank you for giving our company the opportunity to submit a bid for your solicitation # 5400003776 "ADA COMPLIANT BUSES & MINI VANS – STATEWIDE CONTRACT". I am enclosing all of the information which was requested in the bid specifications. We meet all bid specifications and warranties as specified and amended. If you have questions on any of this please do not hesitate to give me a call.

Once again, thank you for the opportunity to participate in this bid.

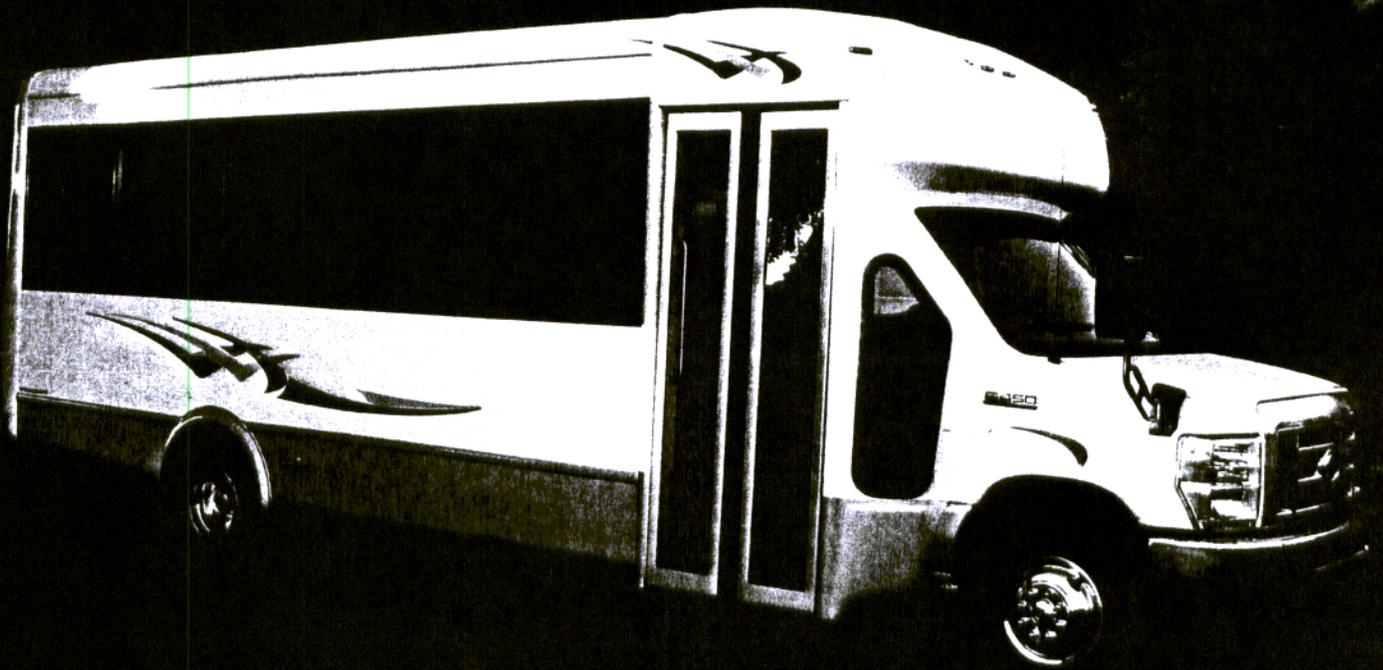
Sincerely –



Barnie K. Smith
President

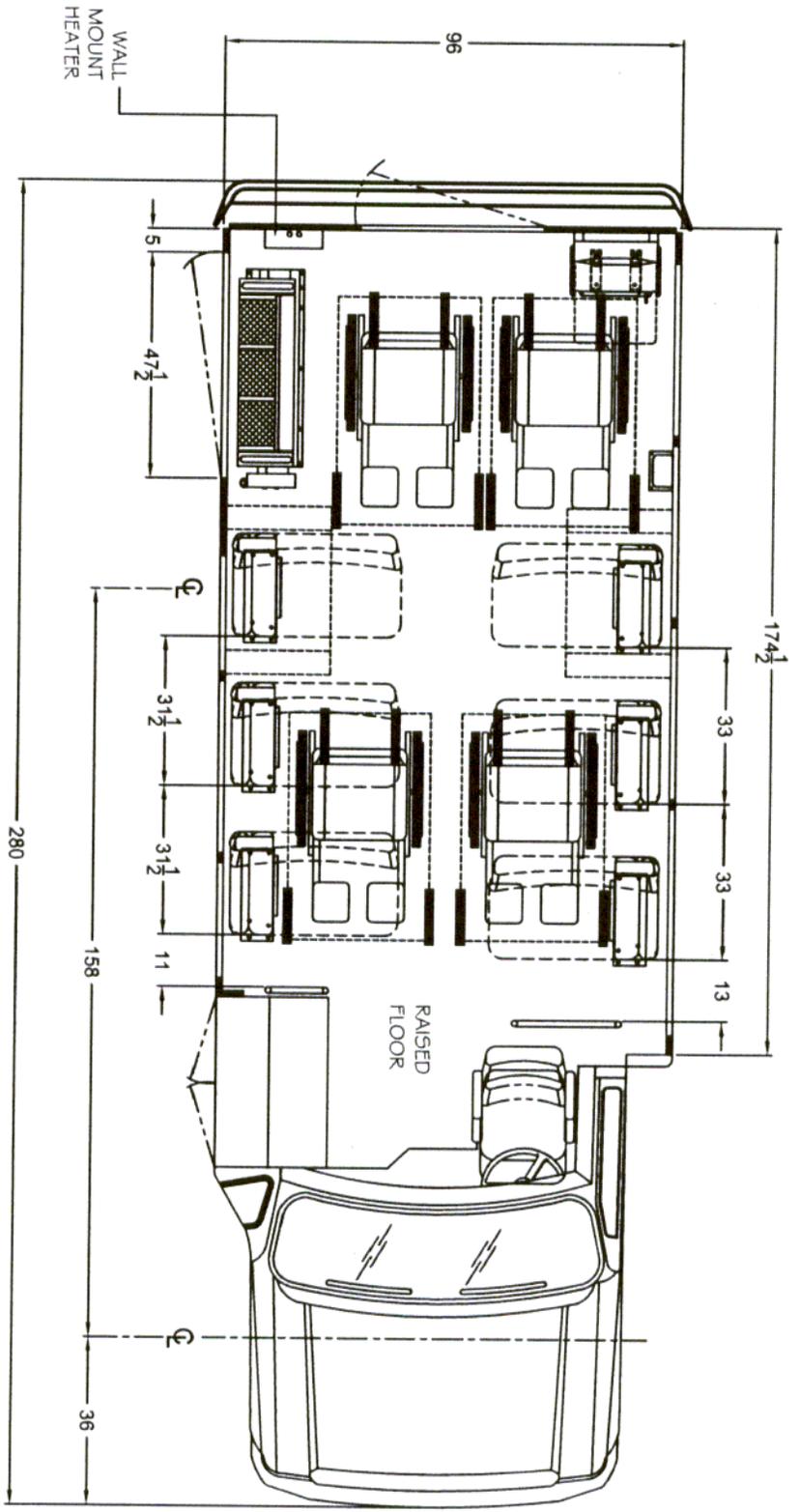
► The **Allstar** Series

STARCRAFT BUS 
a division of Forest River, Inc.



► **Safety. Performance. Durability.**

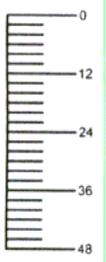
**THIS L TRACK LAYOUT IS SHOWN TO OFFER THE MAXIMUM FLEXIBILITY IN PMAD SIZES TO EACH AGENCY.
IF PREFERRED THE SIDE TO SIDE L TRACK CAN BE USED.**



PALMETTO STATES SALES
P.O. BOX 2898
WEST COLUMBIA, S.C. 29171
803.781.9297

E-350 12,500 GVWR

SCALE
IN INCHES



DEALER APPROVAL
 APPROVED
CUSTOMER SIGNATURE

THIS DRAWING AND THE INFORMATION THEREON ARE THE EXCLUSIVE PROPERTY OF STARCRAFT BUS, A DIVISION OF FOREST RIVER. IT SHALL NOT BE COPIED OR DUPLICATED IN ANY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR WRITTEN CONSENT. IT IS LOANED FOR USE WITH REFERENCE TO WORK UNDER CONTRACT WITH, OR PROPOSALS SUBMITTED TO STARCRAFT BUS, A DIVISION OF FOREST RIVER.

REV	DESCRIPTION OF CHANGE	BY	CHK	DATE	ECH No.	TOLERANCE UNLESS OTHERWISE SPECIFIED	WOOD	OTHER	DATE: 02/15/12	TITLE:	NAME: MDR
						± 1/8"	± 1/8"	± 1/2"		4 WC PASS, 158" WB	ZZ ALLSTAR
						± 1°				DWG. No. 4 WC 6 DB FOLDS 1 SNG FLIP 158 163	

STARCRAFT BUS
a division of Forest River, Inc.



PALMETTO FORD SALES
P.O. BOX 2648
WEST COLUMBIA, S.C. 29171
803-734-1027



Standard Equipment

2012 Ford E-350 Cutaway

SD Chassis 158" WB DRW Base (E3F)

Powertrain

Triton 5.4L V-8 SOHC SMPI 16 valve flexible recommended fuel engine * 120 amp alternator * 650 amp 72 amp hours (Ah) HD battery * Transmission oil cooler * 5-speed electronic automatic transmission with overdrive, lock-up, driver selection * Rear-wheel drive * 4.10 axle ratio * Stainless steel exhaust

Steering and Suspension

Hydraulic power-assist re-circulating ball steering * 4-wheel disc brakes with front vented discs * Twin I-Beam independent front suspension * Front anti-roll bar * Front coil springs * HD front shocks * Rigid rear axle * Rear leaf suspension * Rear leaf springs * HD rear shocks * Front and rear 16.0" x 6.00" painted steel wheels * LT225/75SR16.0 BSW AS front and rear tires

Safety

4-wheel anti-lock braking system * Dual airbags * Front height adjustable seatbelts with front pre-tensioners

Comfort and Convenience

Air conditioning * AM/FM stereo, clock, seek-scan, 2 speakers, fixed antenna * 3 12V DC power outlets, front lighter element(s) location * Analog instrumentation display includes tachometer, oil pressure gauge, engine temperature gauge, voltmeter gauge, trip odometer * Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, service interval * Steering wheel with tilt adjustment * Manual front windows with light tint * Variable intermittent front windshield wipers, sun visor strip * Interior lights include dome light * Engine cover console with storage, glove box, front cupholder, driver and passenger door bins

Seating and Interior

Seating capacity of 2 * Bucket front seats with fixed head restraints, driver and passenger armrests * 4-way adjustable driver seat * 4-way adjustable passenger seat * Vinyl faced front seats with vinyl back material * Front vinyl headliner, front vinyl/rubber floor covering, plastic/rubber gear shift knob

Exterior Features

Side impact beams, fully galvanized steel body material * Black side window moldings, black front windshield molding * Black door handles * Black grille * 2 doors * Front black bumper * Sealed beam halogen headlamps * Clearcoat monotone paint

Warranty

Basic	36 month/36,000 miles	Powertrain	60 month/60,000 miles
Corrosion Perforation	60 month/unlimited mileage	Roadside Assistance	60 month/60,000 miles

Dimensions and Capacities

Output	255 hp @ 4,500 rpm	Torque	350 lb.-ft. @ 2,500 rpm
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Prices and content availability as shown, are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information. Reference CT05208071 11/1/2011

Selected Options

2012 Ford E-350 Cutaway

SD Chassis 158" WB DRW Base (E3F)

Vehicle Snapshot

Engine: 5.4L EFI FFV Triton V8
Transmission: Elect. 5-Speed Automatic w/OD
Rear Axle Ratio: 4.10
GVWR: 12,500 lb Payload Package

Dimensions and Capacities (Continued)

1st gear ratio	3.110	2nd gear ratio	2.220
3rd gear ratio	1.550	4th gear ratio	1.000
5th gear ratio	0.710	Reverse gear ratio	2.880
Curb weight	5,124 lbs.	GVWR	10,000 lbs.
Front GAWR Weight	4,050 lbs.	Rear GAWR Weight	7,800 lbs.
Payload	6,376 lbs.	Front curb weight	2,941 lbs.
Rear curb weight	2,183 lbs.	Front axle capacity	5,000 lbs.
Rear axle capacity	8,500 lbs.	Front spring rating	4,050 lbs.
Rear spring rating	7,800 lbs.	Front tire/wheel capacity	4,600 lbs.
Rear tire/wheel capacity	9,460 lbs.	Front legroom	40.0 "
Front headroom	42.0 "	Front hiproom	65.6 "
Front shoulder room	68.1 "	Length	261.1 "
Body width	79.4 "	Body height	80.2 "
Wheelbase	158.0 "	Cab to axle	100.0 "
Axle to end of frame	68.5 "	Front tread	69.4 "
Rear tread	75.4 "	Turning radius	27.4 '
Fuel tank	40.0 gal.		

Packages

780A

Order Code 780A

(99L) Engine: 5.4L EFI FFV Triton V8; (X52) 4.10 Axle Ratio; (20W) GVWR: 10,000 lb Payload Package; (211) Dual High Back Buckets; (A) Vinyl Seat Trim; (587) Radio: ETR AM/FM Stereo/Digital Clock : Includes 2-speakers and audio input jack.; Auxiliary Fuel Port

Powertrain

99L

Engine: 5.4L EFI FFV Triton V8

Torque: 350 ft.lbs. @ 2500 rpm.

44T

Transmission: Elect. 5-Speed Automatic w/OD

Includes tow-haul.

X52

4.10 Axle Ratio

20C

GVWR: 12,500 lb Payload Package

Wheels & Tires

T67

Tires: LT225/75Rx16E BSW AS

646

Wheels: 16" x 6" White Painted Steel

Seats & Seat Trim

21B

Passenger Seat Delete

Passenger Side Air Bag Delete. Deletes passenger seat and harness restraint system.

Other Options

PAINT	Monotone Paint Application
158WB	158" Wheelbase/100" Cab to Axle
63N	Extra Heavy-Duty 225-Amps Alternator
634	Dual Heavy-Duty 78-Amp Batteries
60X	Right Hand Door Delete <i>Exterior Mirrors Delete; (21B) Passenger Seat Delete : Deletes passenger seat and harness restraint system. Deletes passenger side A-pillar grab handle, right hand seat belt system and hardware, passenger side air bag, under-seat stowage, passenger side sun visor, passenger side speaker and headliner.</i>
41H	Engine Block Heater <i>Single element. Recommended when minimum temperature is 10 degrees Fahrenheit or below.</i>
153	License Plate Bracket
625	Day/Night Interior Rearview Mirror
559	Frame Pucks (Isolators) <i>Includes 12 body mounts.</i>
525	Cruise Control
587	Radio: ETR AM/FM Stereo/Digital Clock <i>Includes 2-speakers and audio input jack.</i>
874	4-Speaker Upgrade Package <i>Includes 2 installed speakers and 2 boxed speakers.</i>
47Z	Ambulance Prep Package Not Required <i>REQUIRED on orders not destined for ambulance use.</i>
18A	High Series Exterior Upgrade Package <i>Front Chrome Bumper w/Black Lower Fascia; Chrome Grille; Dual Sealed-Beam w/Fixed Lens Headlamps</i>
47B	Shuttle Bus Prep Package <i>(18A) High Series Exterior Upgrade Package; (21W) Seats Not Included (Manual Pedestals) : Includes 2-way adjuster. Provides manual pedestal, pretensioning restraint system and unique seat tracks for driver side only. Deletes floor covering. Temporary driver seat provided.; (41H) Engine Block Heater : Single element. Recommended when minimum temperature is 10 degrees Fahrenheit or below.; (559) Frame Pucks (Isolators) : Includes 12 body mounts.; (153) License Plate Bracket; Exterior Mirrors Delete; (63M) Heavy-Duty 155-Amps Alternator; Vinyl Flooring Delete; Front Headliner Delete; Front Dome Lamp Delete</i>

942 **Daytime Running Lamps (LPO)**

Fleet Options

672 **4,600 lb Maximum Front GAWR**
Fleet only with valid FIN code.

672 **5,000 lb Maximum Front GAWR**
Fleet only with valid FIN code.

Internal Options

PNTTBL **Paint Table : Primary**

Interior Colors For : Primary

XE **Medium Flint**

Primary Colors For : Primary

YZ **Oxford White**

**FOR THIS BID, (PER THE BID SPECIFICATIONS) THE STARCRAFT BUS
STRUCTURAL WARRANTY IS 5 YEARS OR 75,000 MILES WHICHEVER COMES FIRST
AND IS TO INCLUDE WATER LEAKS**

STARCRAFT Bus & Mobility
A Division of Force Mvt. Inc.

Form 824-01-14 Rev A

2367 Century Dr.
Goshen, IN 46528
1-800-348-7440

ONE (1) YEAR LIMITED WARRANTY

(SHUTTLE BUSES, COMMERCIAL MDV-VANS AND COMMERCIAL FULL SIZE VANS)

WARRANTY:

Starcraft (hereafter referred to as Warranty) warrants to the original purchaser (hereafter referred to as Owner) that this product shall be free of **SUBSTANTIAL DEFECTS** in material and workmanship, attributable to Warranty, under normal use and service. The warranty period is for a period of one (1) year or twelve thousand (12,000) miles, whichever occurs first.

WARRANTY PERFORMANCE:

Warranty will repair or replace, at our option, any defective part covered under this warranty, free of charge to the owner. Owner shall bear all expenses arising out of or relating to transporting the product to the appropriate Warranty Service location. Warranty reserves the right to change the parts and designs of it's products without notice with no obligation to make corresponding changes to previously manufactured products.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

1. Damage or deterioration to the physical appearance of the unit if such damage is the result of normal use, wear and tear, or exposure to the elements.
2. Damage caused by misuse, abuse, negligence, accident or acts of God. Usage of this product in a manner inconsistent with its design intentions or inconsistent with the manufacturer's instructions and recommendations will void this warranty with respect to damage caused by or relating to such inconsistent usage.
3. Products which have been repaired, altered or modified by any party other than Warranty.
4. Accessories or parts not manufactured by Warranty, including but not limited to chassis and its component parts.
5. Expenses arising out of, or related to, the transporting of the product to an appropriate Warranty Service location for service.
6. Expenses arising out of, or related to, normal maintenance, such as: cleaning interior/exterior, lubrication and/or minor adjustments of moving parts, etc...
7. Damage as a result of, or related to, the vehicle being towed or towing another vehicle USING THIS VEHICLE TO TOW ANOTHER VEHICLE IS PROHIBITED.

WARRANTY TERMINATION:

The following actions or events will result in the automatic termination of this warranty and will relieve Warranty from any and all obligations under this warranty:

1. Misuse or neglect of the product, failure to provide reasonable and necessary maintenance, unauthorized alteration or modification, accident or improper loading.
2. Sale of this vehicle. This warranty is non-transferable.
3. The expiration of the warranty period set out herein.

WARRANTY CLAIM PROCEDURES:

All warranty claims must be reported within the warranty period. Warranty must authorize all warranty service requiring reports in excess of \$100 prior to performance. Warranty service may be reported directly to the Warranty or to one of their authorized dealers. If warranty personnel approve warranty service, you must leave the unit at the appropriate Warranty Service location for a sufficient time to effect service.

LIMITATIONS:

THIS WRITTEN WARRANTY IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE.

RECOVERY LIMITATIONS:

NO PERSON SHALL BE ENTITLED TO RECOVER FROM WARRANTY FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF OR RELATING TO ANY DEFECT IN THE PRODUCT.

These limitations include, but are not limited to, loss of time; loss of revenues, salaries or commissions; towing charges; bus fares; car rentals; gasoline expenses; telephone charges; inconvenience or other incidental damages.

LEGAL RIGHTS:

This written warranty constitutes the entire agreement between Warranty and Owner. We do not authorize any person to enlarge, amend or modify this liability in connection with this product. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR OF THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

EXTENDED WARRANTY ON STRUCTURAL ITEMS (SHUTTLE BUS):

Warranty warrants to the original purchaser for a period of five (5) years or sixty thousand miles, whichever occurs first, that this product shall be free of **SUBSTANTIAL DEFECTS** arising out of or relating to the structural portion of the product. The terms are identical to the terms set out above in Warranty Limited One (1) Year Warranty, except as such terms relate to the duration of coverage. THIS STRUCTURAL WARRANTY IS INTENDED TO COVER ONLY THE PERFORMANCE OF THE STEEL CAGE STRUCTURE OF THE BUS BODY.

Appendix D

FMVSS 220 Summary Report

VEHICLE TEST REPORT FMVSS/CMVSS 220 SCHOOL BUS ROLLOVER PROTECTION TEST

TEST VEHICLE

STARCRAFT TRANSIT BUS
FORD ECONOLINE E-450 CUTAWAY

TEST DATE

NOVEMBER 6, 2001

TEST PERFORMED FOR:

STARCRAFT BUS
A DIVISION OF FOREST RIVER INC.
2703 COLLEGE AVENUE
GOSHEN, IN 46528
(219) 533-1105

TEST CONDUCTED BY

STARCRAFT BUS ENGINEERING
AND R & D STAFF INCONJUNCTION WITH PYRAMID1, INC.

PYRAMID1, INC.

19590 C.R. 40

GOSHEN, INDIANA 46526

(574) 537-8033

COMPLIANCE STATEMENT

This vehicle has been tested in accordance with the requirements of the following regulations: Federal Vehicle Safety Standard number 220, as published in the Code of Federal Regulations (CFR) 49, part 571, section 220, revised as of October 1, 1999. Canada Motor Vehicle Safety Standard number 220, as published in the Consolidation of the Motor Vehicle Safety Regulations, revised as of May 27, 1998.

SUMMARY OF RESULTS

ROOF AND BODY STRUCTURE: The roof and body structure of this vehicle meet the requirements of the aforementioned standards.

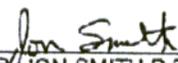
EXIT OPERATION: All doors, windows, and emergency exits were verified functional, prior to roof load application, under full load, and after test load was removed as required by the aforementioned standards.

APPROVALS

APPROVED BY:


MR. JEFF DENNEY
DIRECTOR OF PRODUCT DEVELOPMENT

APPROVED BY:


MR. JON SMITH P.E.
CONSULTING ENGINEER

OPTIONAL EQUIPMENT

Power Heated Exterior Mirrors -	\$ 750
Manually Operated Passenger Entry Door -	N/C

Quality in Design

Looking past the simplicity in design, you'll see a quality product—from powdercoated base plates to plated rods, front-zinc plating to tempered glass. Indeed, "reliability" is a descriptor that applies to the entire product. With confidence, we offer a comprehensive one-year warranty. Beyond the warranty period however, you can expect years of trouble-free operation. In the unlikely event that service is ever required, the design also facilitates unparalleled ease of access.



Custom Design

While we do offer specific product families to address the needs of most manufacturers, A&M Systems specializes in designing to your specifications. Pin to pin lengths can vary between 26 and 46 inches. Header width can range from 7 to 11.5 inches. Our ability to manufacture to specification has led top manufacturers to abandon their own production and design efforts and to choose the A&M Systems product.

In addition, those operating in the aftermarket have found that our actuators can be used as drop-in, direct replacement for older, less reliable door headers.

About A&M Systems

For years we've specialized in designing and manufacturing problem-free door actuators. In more recent times, we seek our expertise to the door leaves as well.

We are a service-oriented company with keen insight into the industry. We offer agile manufacturing, short lead times, and just-in-time production. Our customer-oriented approach pleases the purchasing agent. Ease-of-installation pleases production personnel. Ease-of-operation pleases the end user. And the quality and reliability of our products pleases everyone.

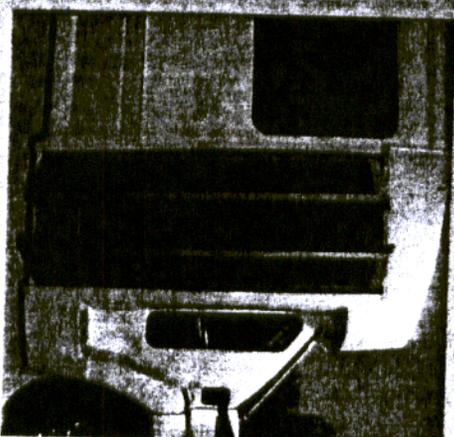
We are committed to quality in design, quality in production, and quality in service.

Contact Information

A&M Systems, Inc.
1845 Fieldhouse
Elkhart, IN 46517
Phone: 574.522.5000
Fax: 574.522.9699

Email: sales@ammsystems.com

www.ammsystems.com



Transit Bus Doors & Actuators

Simple is Better

One look at our product line reveals our design approach: simple is better. We carefully engineer bus doors and actuators (headers) to operate smoothly and reliably while eliminating the problem-prone and complex design elements that plague our competitors' products. The result is a product line which has become the number one choice for manufacturers of small and medium-size buses.

Simplicity in design leads to simplicity in installation and simplicity in operation. It also means that we can offer a superior product at the best possible pricing to you. Simplicity in design does not mean short-cuts in our production, however. We've put years of engineering effort into perfecting the design of our manual and electric door actuators and door leaves. Operational testing is conducted 24/7. Life-cycle testing has produced in excess of a quarter million trouble-free cycles.

Innovation is not lost in our efforts to maintain simplicity. For example, the variable ratio closing on our manual actuator is a patent-pending design. Consider also the re-engagement of our electric actuator following emergency opening. This scenario resulted in extremely complex approaches in competitive products. Our actuator easily and automatically recycles when the motor is reengaged.

In operation, our products are unsurpassed, achieving perpendicular door openings with either electric and manual models as well as secure closings—even at highway speeds.

Product Line Overview

The A&M product line consists of stock leaves (often called "tops") and manual and electric door actuators (often referred to as "headers"). In working together, these products create an

attractive, functional, efficient, and robust entry system for small and medium-size buses in the transit industry.

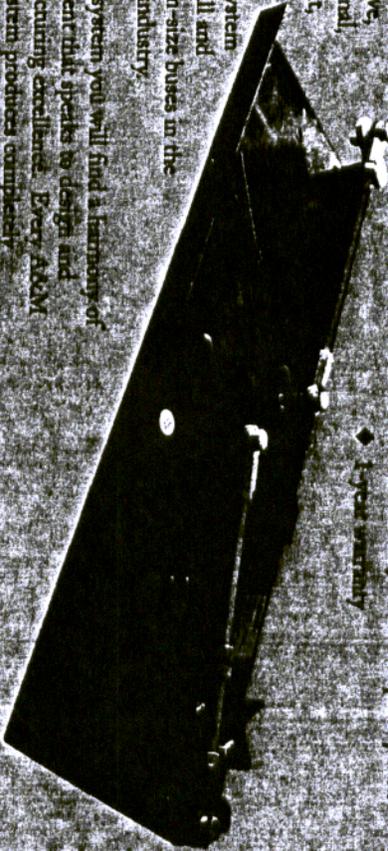
In this system you will find a harmony of movement that speaks to design and manufacturing excellence. Every A&M door system produces complete perpendicular door opening—every time. In the A&M system, the forward door opens first and closes last—always. In the A&M system there is not a reliance on troublesome components (such as spring-loaded push-pull rods)—ever.

You can rely on A&M Systems to provide a distinctive entry system that opens smoothly and closes securely. Likewise, we will provide a business relationship guaranteed to help you succeed.



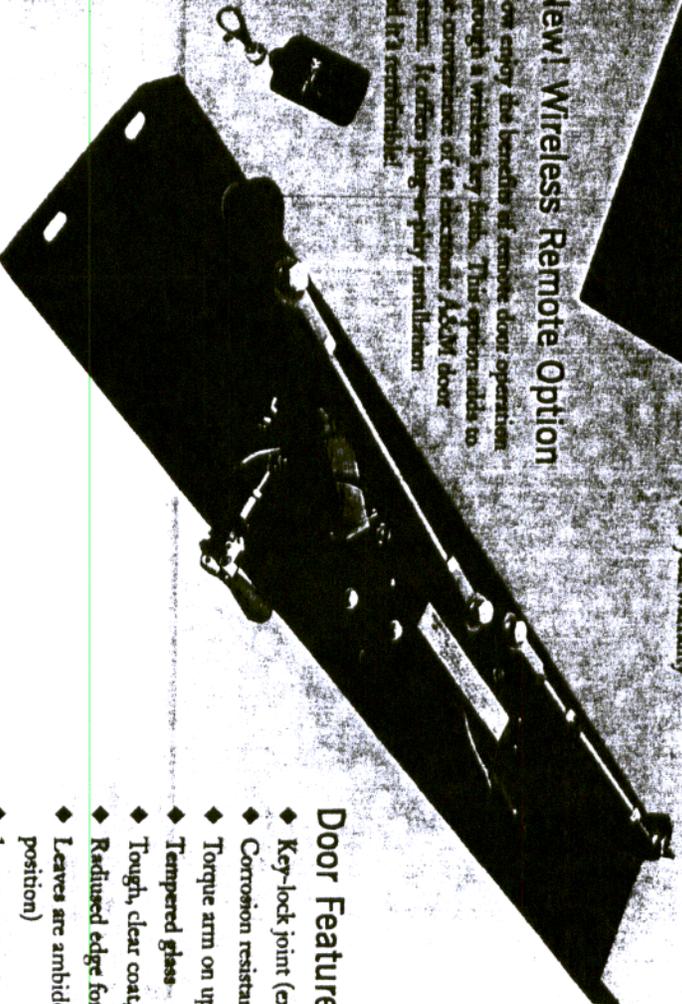
Manual Actuators Features

- ◆ Low-profile design
- ◆ Powder-coated base plate
- ◆ Plated push rods
- ◆ Permanently lubricated pivot points
- ◆ 1-year warranty



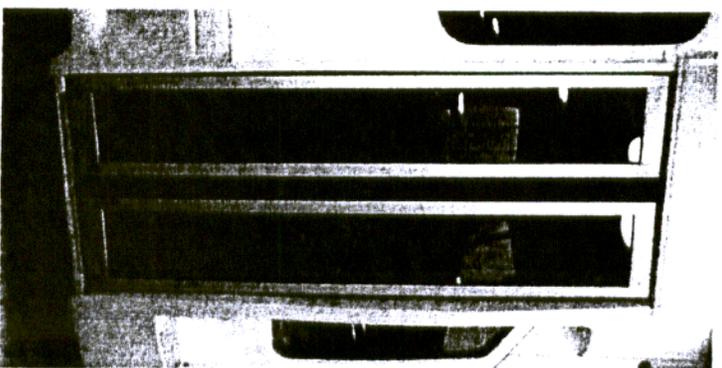
New! Wireless Remote Option

Now enjoy the benefits of remote door operation through a wireless key fob. This option adds to the convenience of an electronic A&M door system. It offers plug-and-play installation and is retractable!



Electric Actuators Features

- ◆ Low-profile design
- ◆ Powder-coated base plate
- ◆ Plated push rods
- ◆ Permanently lubricated pivot points
- ◆ Motor control PC board
- ◆ Proprietary, heavy-duty motor
- ◆ Available wireless remote
- ◆ 1-year warranty



Door Features

- ◆ Key-lock joint (extremely rigid, no-weld design)
- ◆ Corrosion resistance aluminum and stainless steel
- ◆ Torque arm on upper hinge (unique and zinc plated)
- ◆ Tempered glass
- ◆ Tough, clear coat, anodized finish (204 R1 rated)
- ◆ Radius-ed edge for clean mating to seal
- ◆ Leaves are ambidextrous! (Use in either forward or aft position)
- ◆ 1-year warranty



The Chemical Company

PRODUCT DATA



DEGACOAT™ 300, 310

General purpose underbody/protective coatings

Description

DegaCoat™ 300 and 310 are non-fibred asphalt emulsions specifically formulated for use as protective underbody coatings which provide excellent corrosion preventative barriers for transport applications.

DegaCoat™ 300 and 310 are fiber-free for application by brush or spray.

Packaging

- DegaCoat™ 300:
 - 53 gallon (200.6 L) drums
 - 16 gallon (60.48 L) kegs
- DegaCoat™ 310:
 - 53 gallon (200.6 L) drums
 - 16 gallon (60.48 L) kegs
 - 330 gallon (1247 L) totes

Color

Applies dark brown and dries to a durable matte black finish

Shelf Life

1 year when properly stored

Storage

Store in unopened containers in a cool, clean, dry area. Do not allow these materials to freeze in the container; do not store below 35° F (2° C).

Features

- Anti-corrosion coating
- Nonflammable
- Water clean up
- Fast drying

Benefits

- Beautifies and protects
- Minimizes fire hazards during application; improves worker safety
- User friendly, enhances production/process time
- Speeds production

Where to Use

LOCATION

- Truck and trailer
- Bus
- RV
- House/cargo trailers
- Rail cars

SUBSTRATE

- Metals
- Aluminum
- Plywood
- OSB
- Can be sprayed over oxidized metals

How to Apply

Surface Preparation

Surface should be free of oil, grease, dirt and loose material.

Application

Spray with the proper equipment. Consult the spray equipment manufacturer for more information.

UNDERBODY COATING

1. DegaCoat™ 300 and 310 are recommended to be used for corrosion protection on steel surfaces and other metal substrates.

2. DegaCoat™ 300 is designed for spray application using airless equipment. For best results under a wide variety of conditions, a 30:1 or higher ratio pump with a .027 orifice size is recommended. Under limited spray conditions, a 15:1 ratio can be substituted. A heavy film thickness (125 mils wet) can be achieved on vertical surfaces without sagging.

3. DegaCoat™ 310 is designed for spray application using airless equipment. A 15:1 or higher ratio pump with a minimum .023 orifice size is recommended.

Clean Up

Tools and hands should be cleaned with soap and water before emulsion sets. Dried material can be removed with the appropriate solvent.

For Best Performance

- Keep from freezing in the container.
- Do not apply at temperatures below 40° F (4° C) or when temperatures are expected to fall to 40° F (4° C) in the next 24 hours.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Technical Data

Composition

DegaCoat™ 300 and 310 are asphalt-based emulsions.

Compliances

- DegaCoat™ 300 and 310 comply with ASTM D 1187, Type 1, and ASTM D 1227, Type 3, Class I
- DegaCoat™ 300 and 310 comply with ASTM D 1227, Type 2, Class I and ASTM D 1187, Type 1

Test Data

PROPERTY	RESULTS	TEST METHODS
Density		
DegaCoat™ 300, lbs/gal	9.1 – 9.9	Industry Method
DegaCoat™ 310, lbs/gal	9.1 – 9.9	
Solid content		
DegaCoat™ 300, % by weight	55.1	Industry Method
DegaCoat™ 310, % by weight	50.0	
Clay content		
DegaCoat™ 300, % by weight	16.2	Industry Method
DegaCoat™ 310, % by weight	4	
Asphalt content		
DegaCoat™ 300, % by weight	38.9	Industry Method
DegaCoat™ 310, % by weight	46	
Median particle size		
DegaCoat™ 300, μ	15	Industry Method
DegaCoat™ 310, μ	15	
Specific gravity		
DegaCoat™ 300	1.1 – 1.2	Industry Method
DegaCoat™ 310	1.1 – 1.2	
Dry to the touch		
DegaCoat™ 300, hrs	1	Industry Method
DegaCoat™ 310, hrs	1	
Consistency		
DegaCoat™ 300	Semi-paste like	Industry Method
DegaCoat™ 310	Semi-paste like	
Color		
DegaCoat™ 300	Black	Industry Method
DegaCoat™ 310	Black	
Water resistance		
		ASTM 2939-94
Blistering		
DegaCoat™ 300	None	
DegaCoat™ 310	None	
Reemulsification		
DegaCoat™ 300	Nil	
DegaCoat™ 310	Nil	

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Health and Safety

DEGACOAT™ 300

Caution

DegaCoat™ 300 contains asphalt petroleum.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains materials listed by the state of California as known to cause cancer and birth defects or other reproductive harm.

VOC Content

24 g/L or 0.20 lbs/gal, less water and exempt solvents.

DEGACOAT™ 310

Caution

DegaCoat™ 310 contains asphalt petroleum and 2-butoxyethanol.

Risks

May cause skin, eye and respiratory irritation. Ingestion may cause irritation. May be absorbed through skin. Repeated or prolonged exposure increases the risk of absorption. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Precautions

Keep container closed. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

Proposition 65

This product contains material listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

24 g/L or 0.20 lbs/gal, less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

**BASF Construction Chemicals, LLC –
Building Systems**

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE: Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

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NaCl and MgCl

UBC Salt Spray Comparison

Bob Miller

5/9/2011



The Chemical Company

Test Protocol Samples



- Three samples ran for each time interval
- Two Panels are selected at random for evaluation
- One panel left intact (evaluated for visual appearance)
- One panel stripped (evaluated for metal protection)
- Panels stripped by gently scrapping and residual removed with solvent
- Stripped panels are coated with an oil in order to prevent further corrosion.
- All samples then photographed

250 Hours



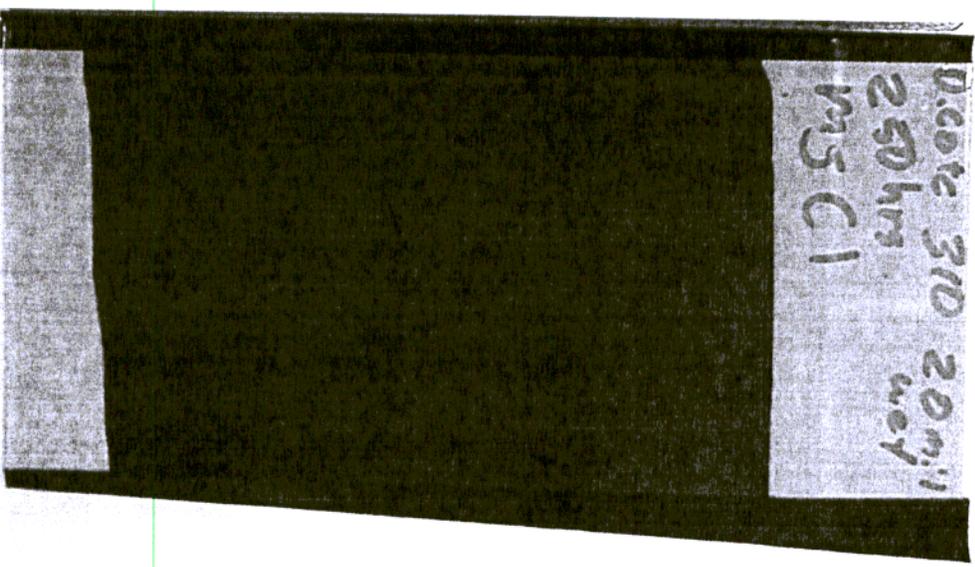
NaCl

- No bubbles
- No Adh. loss



MgCl

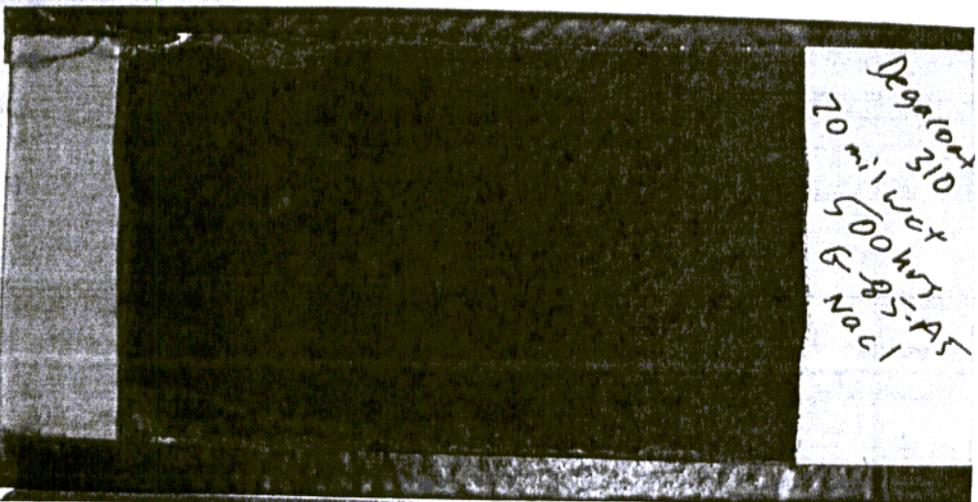
- No bubbles
- No Adh. Loss
- No Surface Corrosion



500 Hours

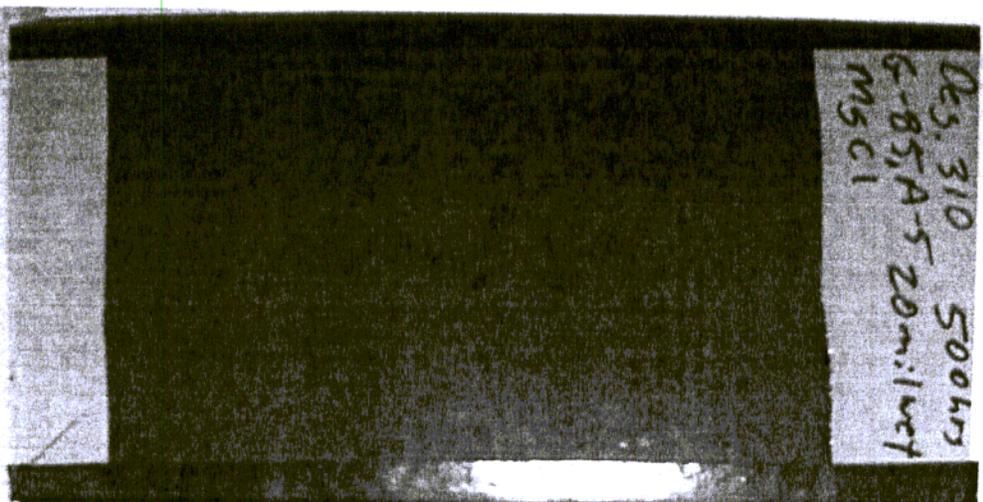
NaCl

- No Bubbles
- No Adh. Loss
- Slight Surface Staining at Edge



MgCl

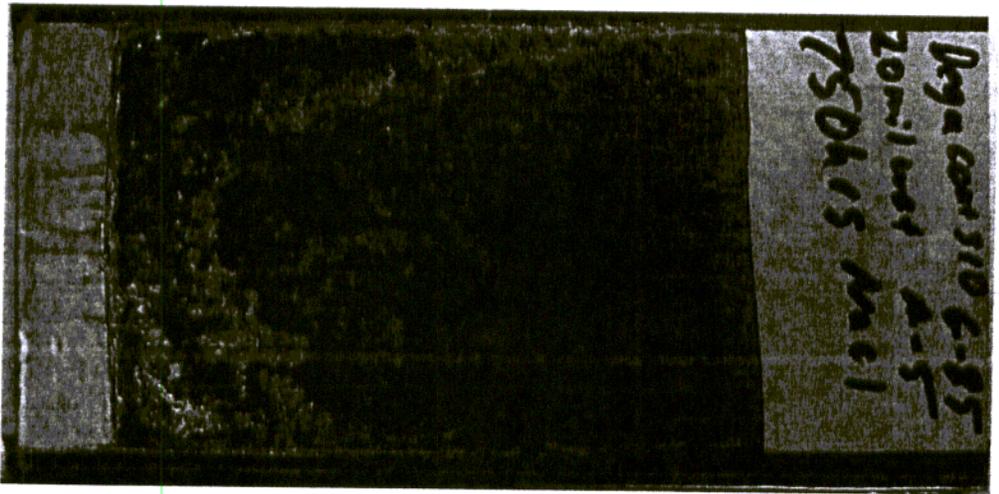
- No bubbles
- No Adh. Loss
- No Surface Corrosion



750 Hours

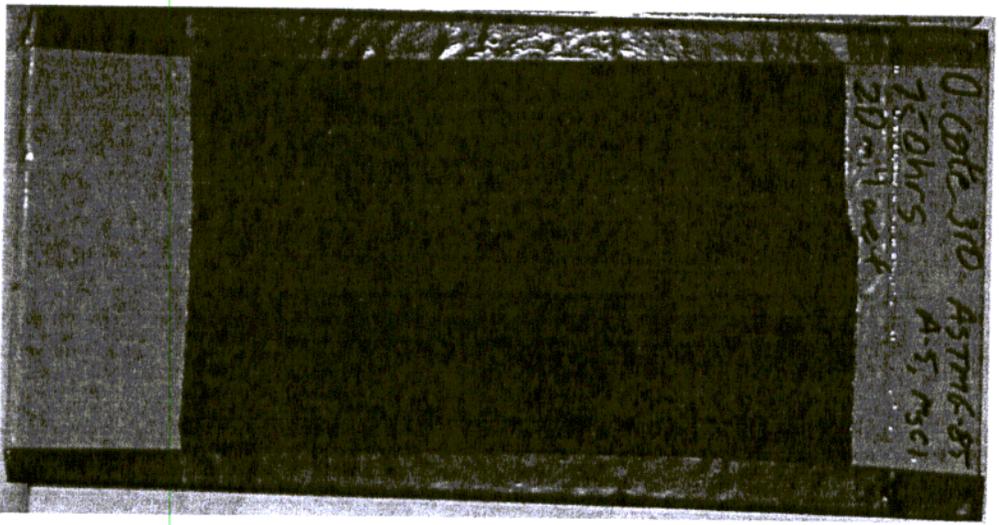
NaCl

- No bubbles
- No Adh. Loss
- Slight Surface Corrosion



MgCl

- No bubbles
- No Adh. Loss
- No Surface Corrosion

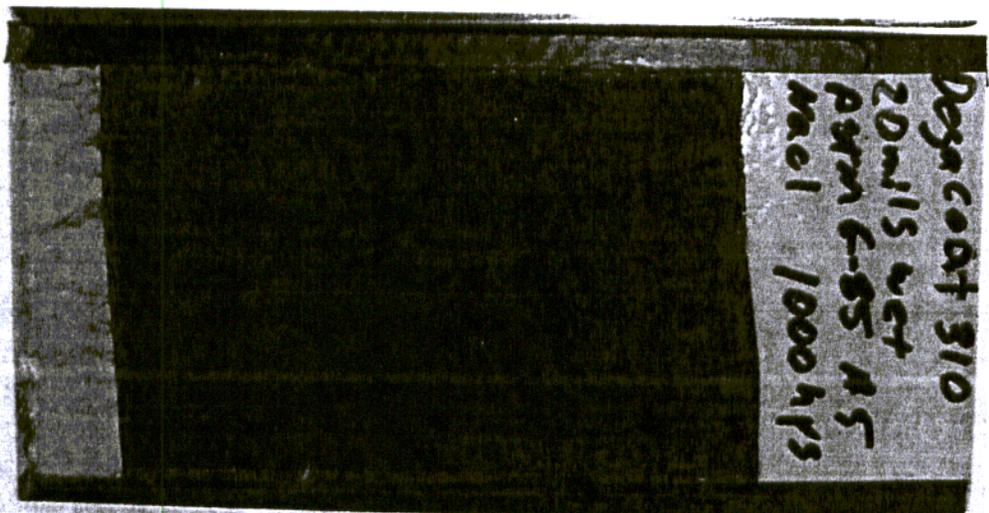


1000 Hours

BASF
The Chemical Company

NaCl

- No bubbles
- No Adh. Loss
- Slight Surface Corrosion



MgCl

- No bubbles
- No Adh. Loss
- No Surface Corrosion



Summary

- Preliminary salt fog tests indicate MgCl may be less corrosive to steel than NaCl in these test environments.
- This test indicates that DegaCoat 310 does an excellent job in preventing oxidation and corrosion on coated steel.
- Recently published articles suggest an increased concern for electrical components and connections when exposed to MgCl deicing compounds.
- Our comparative test results indicate that MgCl is less corrosive to steel than standard deicing compounds.



The Chemical Company

LABORATORY TEST REPORT:

6 August 2001

Degacoat 300
Application and Performance Testing

in accordance with

Federal Specification TT-C-520B

and

Military Specification MIL-C-62218A

Prepared for:
BASF Building Systems
OEM/Industrial Division



The Chemical Company

accordance with ASTM D3891, which was conditioned at the designated test temperature for 2 hours prior to coating application. The material was sprayable at the designated temperature providing a uniform, continuous coating with no pin-holing or voids to allow exposure of the glass surface. Observation of the under surface of the glass plate also revealed uniform, continuous coating with no pin-holing or air voids.

High Temperature Sprayability:

IAW Military Specification MIL-C-62218A, material and spray equipment was stored at $100 \pm 2^\circ\text{F}$ ($38 \pm 1^\circ\text{C}$) for 24 hours. Material was spray applied to a 10 in. by 10 in. (254mm by 254mm) by 0.25 in. (6.4mm) vertical glass plate prepared in accordance with ASTM D3891, which was conditioned at the designated test temperature for 2 hours prior to coating application. The material was sprayable at the designated temperature providing a uniform, continuous coating, with no pin-holing or voids to allow exposure of the glass surface, with no flowing or sagging. Observation of the under surface of the glass plate also revealed uniform, continuous coating with no pin-holing or air voids.

High Temperature Flow Resistance:

IAW Federal Specification TI-C-520B and Military Specification MIL-C-62218A material was spray applied to a wet-film thickness of 0.125 in (3.2mm) onto carbon steel panels prepared as described in referenced specifications, and cured as specified in referenced specifications. The material produced a protective coating, which did not sag when suspended vertically exposed to the temperatures and durations as specified in the referenced specifications (TI-C520B = $325 \pm 5^\circ\text{F}$ ($163 \pm 3^\circ\text{C}$) for 24 hours and MIL-C-62218A = $300 \pm 2^\circ\text{F}$ ($149 \pm 1^\circ\text{C}$ for 2 hours respectively).

Salt-Spray Resistance:

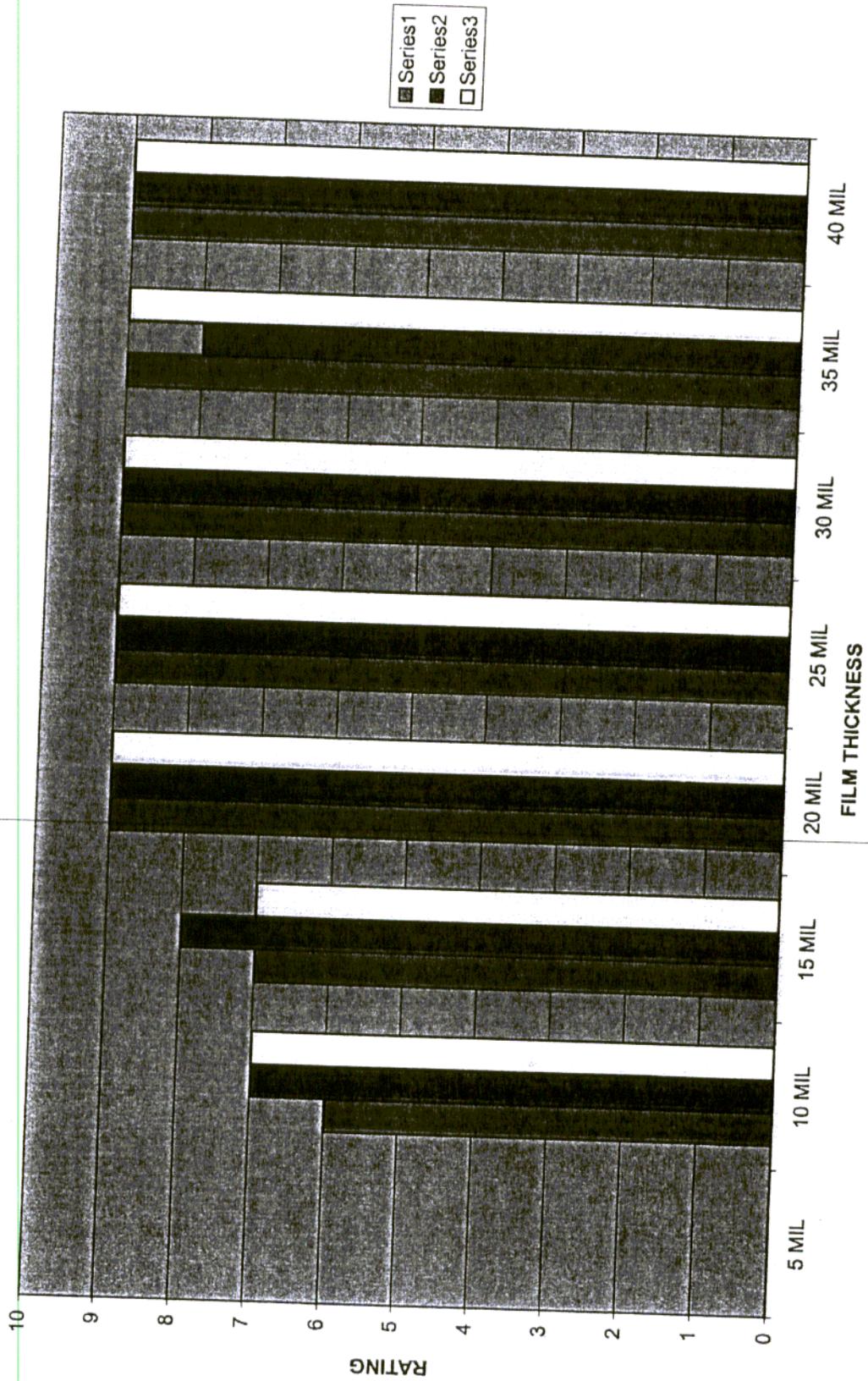
IAW Federal Specification TI-C-522B, Military Specification MIL-C-62218A and ASTM B-B117, material was tested on polished carbon steel and galvanized steel panels. Material was spray applied to a wet-film thickness of 0.125 in (3.2mm) (dry-film thickness = 0.0625 (1.6mm) onto polished carbon steel, and galvanized steel panels and conditioned as specified in the referenced specifications. Conditioned, prepared panels were exposed to a salt fog atmosphere, as specified, for a period of 1000 hours. Material tested provided a protective coating, which inhibited corrosion and other surface failures, did not blister or lift, and left the substrate free from pitting and/or rusting except in the scribed, non-coated, exposed steel areas.

Salt Water Immersion:

IAW Military Specification MIL-C-62218A material was spray applied to a wet film



The Chemical Company



16.0 Completed Unit Application Data

16.0.1 Angles, Turning Diameter Matrix

	Approach Angle	Departure Angle	Break Over Angle	Turning Diameter	
				Curb to Curb	Wall to Wall
STARLITE 20' 138" W.B.	27°	11°	12° *	51'	52'
ALLSTAR 20' 138" Wheelbase	27°	11°	12° *	51'	52'
ALLSTAR 22' 158" Wheelbase	27°	13°	10° *	54'	56'
ALLSTAR 24' 158" Wheelbase	27°	11°	10° *	56'	57'
ALLSTAR 25' 176" Wheelbase	27°	11°	9° *	60'	62'
ALLSTAR 25' 190" Wheelbase	27°	13°	9° *	61'	63'

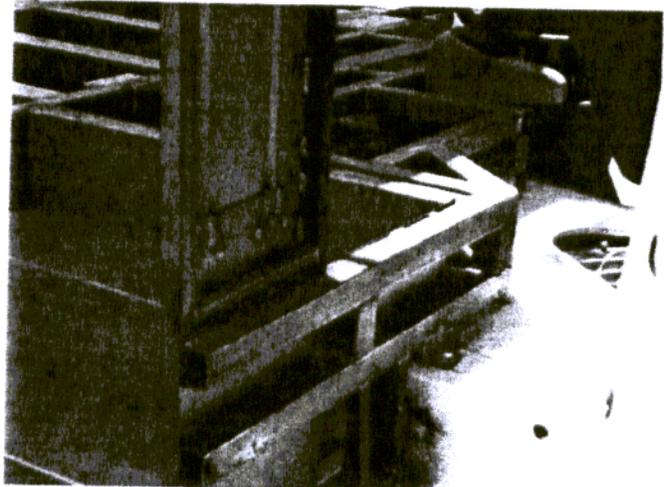
16.0.2 Unit Dimensional Matrix

	Overall Length Bumper to Bumper	Overall Height Excluding Hatch	Overall Width Excluding Mirrors	Overhang Behind Rear Axle	Interior Height Floor to Ceiling		Interior Width @ Shoulder	Body Length Excluding Cab Transitions
					Std. Floor	Raised Floor		
STARLITE 20' 138" W.B.	21.75' (261")	113.5"	84"	91"	77"	N A	81.5"	150"
ALLSTAR 20' 138" Wheelbase	21.75' (261")	116.5"	96"	91"	81"	76.13"	93.5"	150"
ALLSTAR 22' 158" Wheelbase	22.83' (274")	116.5"	96"	84"	81"	76.13"	93.5"	163"
ALLSTAR 24' 158" Wheelbase	23.83' (286")	116.5"	96"	96"	81"	76.13"	93.5"	175"
ALLSTAR 25' 176" Wheelbase	25.08' (301")	116.5"	96"	93"	81"	76.13"	93.5"	190"
ALLSTAR 25' 190" Wheelbase	23.83' (310")	116.5"	96"	88"	81"	76.13"	93.5"	199"

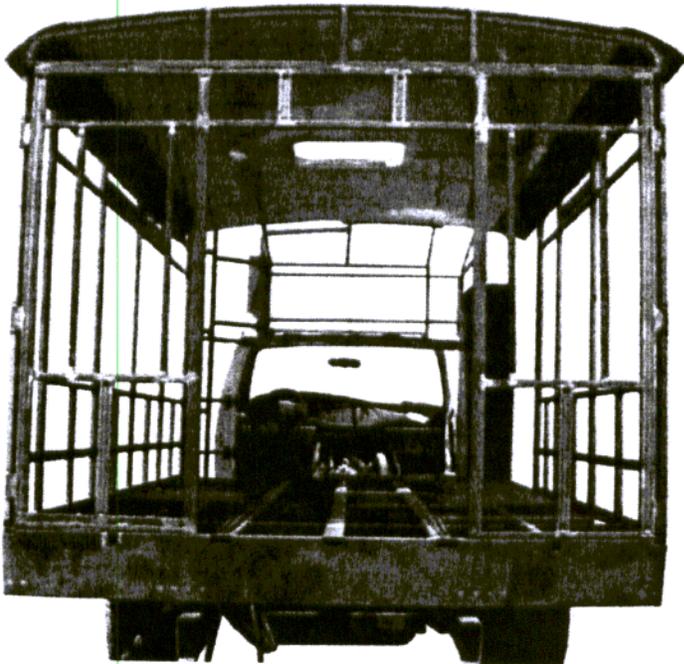
Appendix A



Shown is a finished frame attached to the chassis. The front cap support members have been welded into place, and the entry door frame/step weldment has also been attached. Part of the final assembly involves welding some structure to the cab portion of the vehicle, in addition to mounting the body on the isolators. Note that the interior ceiling plywood has been attached, and weld studs added to the rear ceiling for an air conditioning evaporator installation done later.



This view gives a good indication of the rugged construction of our bus. Notice the vast amount of structure incorporated into our "false floor" in the cab area alone. Also of note is the framing provided around our solid steel entry door assembly, and the fact that our flat floor extends totally to the entry door and behind the driver, eliminating any need for 90 degree passenger turns and additional steps up - a nice safety feature.



This "steel cage" is a raised flat floor All Star 96" wide body. This unit will feature a rear door with windows on each side, a front wheel chair lift, roof hatch and rear air conditioning and heat. Note the wheel well covers which are 12 gauge steel, and the extra flat sheet welded in around the wheel chair door opening in front of the curbside wheel well. Extra flat steel is welded in each sidewall up front to accommodate wheel chair shoulder belt attachment. This particular vehicle has a limited amount of fixed seating in the rear, as you can tell by the short lengths of seat track welded in place.

The overall picture provides good detail and understanding of our welded steel cage construction



State of South Carolina

Invitation for Bid

Amendment 1

Solicitation Number: 5400003776
Date Issued: 01/30/2012
Procurement Officer: CHERYL PATRICK
Phone: (803) 737-5717
E-Mail Address: CPatrick@mmo.sc.gov

RECEIVED

DESCRIPTION: ADA COMPLIANT BUSES & MINI-VANS (Lowered Floor/Conversion) - STATEWIDE CONTRACT

FEB 16 2012

USING GOVERNMENTAL UNIT: Statewide Term Contract

Materials Management Office

The Term "Offer" Means Your "Bid" or "Proposal". Unless submitted on-line, your offer must be submitted in a sealed package. Solicitation Number & Opening Date must appear on package exterior. See "Submitting Your Offer" provision.

SUBMIT YOUR OFFER ON-LINE AT THE FOLLOWING URL: http://www.procurement.sc.gov

SUBMIT OFFER BY (Opening Date/Time): 02/16/2012 - 11:00AM (See "Deadline For Submission Of Offer" provision)

QUESTIONS MUST BE RECEIVED BY: 02/01/2012 4:00PM (Questions Limited to Amended Parts Only) (See "Questions From Offerors" provision)

NUMBER OF COPIES TO BE SUBMITTED: 2 Paper Copies (1 Original & 1 Copy) plus 1 Electronic Copy on CD - ***Online Bidding is not an option for this solicitation***

CONFERENCE TYPE: Intentionally Deleted

LOCATION: Intentionally Deleted

(As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions)

AWARD & AMENDMENTS

Award will be posted on 02/29/2012. The award, this solicitation, any amendments, and any related notices will be posted at the following web address: http://www.procurement.sc.gov

Unless submitted on-line, you must submit a signed copy of this form with Your Offer. By submitting a bid or proposal, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date. (See "Signing Your Offer" and "Electronic Signature" provisions.)

NAME OF OFFEROR
PALMETTO BUS SALES
P.O. BOX 2898
WEST COLUMBIA, S.C. 29171
(full legal name of business submitting the offer)

Any award issued will be issued to, and the contract will be formed with, the entity identified as the Offeror. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, i.e., a separate corporation, partnership, sole proprietorship, etc.

AUTHORIZED SIGNATURE
[Signature]
(Person must be authorized to submit binding offer to contract on behalf of Offeror.)

TAXPAYER IDENTIFICATION NO.
57-1101520
(See "Taxpayer Identification Number" provision)

TITLE PRESIDENT
(business title of person signing above)

STATE VENDOR NO.
7000039459
(Register to Obtain S.C. Vendor No. at www.procurement.sc.gov)

PRINTED NAME
BARNIE K. SMITH
(printed name of person signing above)

DATE SIGNED
2/16/12

STATE OF INCORPORATION
SOUTH CAROLINA
(If you are a corporation, identify the state of incorporation.)

OFFEROR'S TYPE OF ENTITY: (Check one) (See "Signing Your Offer" provision.)
___ Sole Proprietorship ___ Partnership ___ Other
___ X ___ Corporate entity (not tax-exempt) ___ Corporation (tax-exempt) ___ Government entity (federal, state, or local)

This form MUST be Completed, Executed and Submitted with Your Offer!

NOTE: The "YES" block must be marked to expressly indicate compliance with all items listed.

TO: South Carolina Materials Management Office

FROM: PALMETTO BUS SALES

DATE: February 16, 2012:

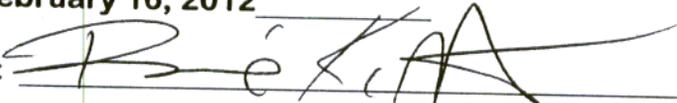
SUBJECT: **Federal Compliance Certification Letter**

The undersigned [Bidder/Contractor/Manufacturer] certifies that it will comply with the requirements of 49 U. S. C. and all applicable requirements and clauses imposed by Federal laws, executive orders, or regulations and the requirements of FTA Circular 4220.1F "Third Party Contracting Requirements," and other implementing requirements FTA may issue. The [Bidder/Contractor/Manufacturer] also agrees to include in its sub-agreements and contracts financed in whole or in part with FTA assistance all applicable clauses required by Federal laws, executive order, or regulations. The undersigned also agrees to comply with the following Federal requirements:

Compliance Certification Requirement

<u>YES</u>	<u>NO</u>	<u>N/A</u>	<u>REQUIREMENT</u>
X			Buy America Requirements
X			Energy Conservation Requirements
X			Clean Water Requirements
X			Bus Testing
X			Pre-Award and Post-Delivery
X			Lobbying
X			Access to Records and Reports
X			Federal Changes
X			Clean Air Requirements
X			Recycled Products
X			Contract Work Hours and Safety Standards Act
X			No Government Obligation to Third Parties
X			Fraud and False or Fraudulent Statements and Related Acts
X			Govt-Wide Debarment and Suspension (Non-Procurement)
X			Civil Right Requirements
X			Disadvantaged Business Enterprises
X			Incorporation of Federal Transit Administration Terms

Date: February 16, 2012

Signature: 

Company Name: Palmetto Bus Sales

Title: President

VIII. BIDDING SCHEDULE / PRICE-BUSINESS PROPOSAL

THE OPERATIONS SUPPORT STAFF ARE AUTHORIZED TO READ THE NAME OF THE OFFEROR, MANUFACTURER, MODEL, MODEL #, UNIT PRICE, AND EXTENDED PRICE. NO OTHER INFORMATION WILL BE READ OR MADE AVAILABLE AT BID OPENING.

PREFERENCES DO NOT APPLY TO MOTOR VEHICLE SOLICITATIONS PER 11-35-1524,D(6).

NOTE: All dollar amounts are to be expressed to the nearest dollar. **DO NOT LIST CENTS!** If cents are listed in error they will be lined through by the procurement officer.

Item	Estimated Quantity	Unit of Measure	Base Unit Price	Estimated Extended Price
1	25	each	\$ 42,823	\$ 1,070,575
Product Catg.: 55640 - Coach Transit (Mini) Handicapped				
Item Description: Bus, Specialty, ADA Compliant				
Question		Response		
BODY MAKE:		STARCRAFT		
BODY MODEL:		ALLSTAR		
CHASSIS MAKE:		FORD		
CHASSIS MODEL:		"E" SERIES		
DELIVERY TIME - DAYS AFTER RECEIPT OF PURCHASE ORDER (ARO)		60 - 150 DAYS ARO		

PALMER SALES
 P.O. BOX 1088
 WEST CONWAY, S.C. 29171
 803-771-027