

GMC

GM

Trans Mode



SALES DEVELOPMENT GUIDE

ABOUT THIS GUIDE

The Sales Development Guide has been designed and organized to help you sell the GMC TransMode Commercial Vehicle. You will find necessary information that will enable you and your client to effectively put together a complete unit to fit his individual need and ready for the road.

As you will note, This Guide is divided into sections, each of which features a particular segment of the total sales picture.

Section one is the "Upfitter Classifications" section. It will give you complete information on the availability of services. Each company is listed with its complete name, address, phone number and the name of the person whom you can contact to discuss your upfitting opportunities.

As you look over this section note that it is arranged in such a way that you can first determine the product or service of interest to you and quickly find all those people who can provide you with the products that you and your customer need.

The second section contains concepts descriptive of the many uses to which the vehicle can be adapted. Not only does this section convey ideas which have already been put to use, but it also shows that only the imagination can limit what can be done with these vehicles. Use it so that you will be able to help your customer develop a TransMode completely customized to fulfill a particular purpose.

In the third section, titled "Work Sheets", you will see the complete versatility of the vehicle. You will find floor plans of five selected uses into which the Transmode can be upfitted: Hearse, Executive Conference and Shuttle Unit, Office Unit, Passenger Carrier, and a Medical Unit. Use these as example and basic ideas to develop a floor plan suitable to the needs of your buyer. You can use the blank floor plan work sheets that are furnished in this section to record the ideas that come from your customer conference, then take it to the upfitter for refinement. If you need more of the work sheets, they may be obtained by contacting: Sales Development Department, GMC Truck and Coach Division, 660 South Boulevard, Pontiac, Michigan 48053, Phone 313/857-4837.

The next section, "Specifications and Options", covers both of these topics in detail for the 23-foot and 26-foot models. Following this you will find "Body Drawings", which is a source of information that includes loading instruction, body builder drawings, tire information and chassis wiring diagrams.

The last section is the "Literature" section. Here the upfitter tells his own story, shows his product and demonstrates his ability. Each company listed in the classification section that has an asterisk (*) by its name has literature alphabetically arranged and placed here. It is suggested that if your buyer is interested in a particular brochure that it not be removed from the book. The upfitter, if contacted, will be pleased to send a copy of it to your customer or to you. Keep your Sales Development Guide intact.

Every effort has been made to insure accuracy in all statements made in this publication. However, it should be understood that General Motors Corporation or GMC Truck and Coach Division assume no responsibility for the design, material, or workmanship of any product or article listed herein, which is manufactured by any other company and the responsibility for all claims or implied guarantees is assumed by the manufacturer concerned. Also, General Motors Corporation or GMC Truck and Coach Division assume no responsibility for U.S. or foreign patent infringement arising out of the manufacture, use or sales of any product or article of the manufacturers listed herein and make no representation relevant to their patent position.



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CLASSIFICATIONS

UPFITTER

This is an index to products,
services and their availability.
It serves as a guide to help find
the location and personal contact
of the upfitter that you select.

DESIGN/ENGINEERING/PROTOTYPES

DISPLAY/OFFICE/TRAINING/TRAVEL

AMBULANCE/MEDICAL/EMERGENCY

PASSENGER CARRIER

CONCESSION/FOOD DISPENSING

HEARSE

SEATING

INTERIOR MODULES

METAL RACKS/CABINETS

COMPONENTS & ACCESSORIES

Adrian Steel Company*

906 James St.
Adrian, Michigan 49221
517/265-6194
Larry Cunningham, Sales Engineer
Tom Titus, Sales Engineer

American Seating
Transportation Products Division
901 Broadway Ave., N.W.
Grand Rapids, Michigan 49504
616/456-0468

Atlantic Research Corp.

5390 Cherokee Avenue
Alexandria, Virginia 22314
703/354-3400
Mobile Systems Department

Autodynamics Corp. of America*

29380 Stephenson Highway
Madison Heights, Michigan 48071
313/566-6380

Darryl Flesher

Robert McIntyre

Automotive Conversion Corp.*

2566 Industrial Row
Troy, Michigan 48084
313/549-7070
John S. Bell, President

Avion Corporation*

1300 Empire
Benton Harbor, Michigan 49022
616/927-2271 Mr. Solem
313/752-7400 Ron Knowles, Sales Eng.

Blitz Body Company

4525 W. 26th St.
Chicago, Illinois 60623
312/762-7600
Carmont Blitz, President
National Tollfree 800/621-3888
Illinois Tollfree 800/972-3777

Bostrom Division, UOP Inc.*

133 W. Oregon St.
Milwaukee, Wisconsin 53201
414/271-4122
Chuck Hird

The Brubaker Group

10315 West Pico Blvd.
Los Angeles, California 90064
213/277-6251
Curtis Brubaker Todd Gerstenberger

Cayel-Craft, Inc.*

P.O. Box 188
Rock Rapids, Iowa 51246
507/962-6600
Jim Leicher

* Literature can be found in the last section.

COMPONENTS & ACCESSORIES

METAL RACKS/CABINETS

INTERIOR MODULES

CONCESSION/FOOD DISPENSING

SEATING

HEARSE

PASSENGER CARRIER

DISPLAY/OFFICE/TRAINING/TRAVEL

DESIGN/ENGINEERING/PROTOTYPES

ComCoach Corporation*

103 Fort Salonga Road
Northport, N.Y. 11768
516/757-7923
Bruce H. Anderson

deWindt Associates, Inc.*

1166 E. Big Beaver Road
Troy, Michigan 48084
313/689-6090

Del deWindt Joe Helmuth John VanPelt

EFPE Company — CIBIE Lights

33195 Harper Avenue
St. Clair Shores, Michigan 48082
313/294-1700

Bob Plasko Francois Prevot

Em-Vec, Inc.

subsidiary of Good Times, Inc.
1915 Peyco Drive
Arlington, Texas 76015
817/274-0921
Carl Becker

Exhibit Group Cincinnati

10825 Kenwood
Cincinnati, Ohio 45242
513/791-0500

Frank W. Frey, Jr., General Manager
Earl Heintzelman, Sales Manager

The Gerstenslager Co.

1425 E. Bowman St.
Wooster, Ohio 44691
216/262-2015
A.W. Baehr

Good Times, Inc.

3500 W. Pioneer Parkway
Arlington, Texas 76013
817/362-1400

John Cearnal, Sales Manager

GRS&W, Inc.

5875 Centre Avenue
Pittsburgh, Pennsylvania 15206
412/362-1400
R.C. Dickman

Hammond Mfg. Corporation*

2227 Spikes Lane
P.O. Box 5393
Lansing, Michigan 48905
517/487-8411

Curtis J. Armbruster, President

Hess & Eisenhardt International, Ltd.*

8959 Blue Ash Avenue
Cincinnati, Ohio 45242
513/791-8888

James L. Centner, President
Gordon R. Johnson, V.P. — Marketing

DESIGN/ENGINEERING/PROTOTYPES

DISPLAY/OFFICE/TRAINING/TRAVEL

AMBULANCE/MEDICAL/EMERGENCY

PASSENGER CARRIER

CONCESSION/FOOD DISPENSING

HEARSE

SEATING

INTERIOR MODULES

METAL RACKS/CABINETS

COMPONENTS & ACCESSORIES

K-D Lamp Company

1910 Elm Street
Cincinnati, Ohio 45210
513/621-4211
Fred H. Theil

Leisure & Recreational Products [LRP]

Lake Geneva, Wisconsin 53147
414/248-6627
Thomas W. Strahs Ronald E. Bender

McHenry Metal Products Co.

3838 Cote Brillante
St. Louis, Missouri 63113
314/533-0800
Elmer McHenry, Jr.

Medical Coaches, Inc.

Hemlock Road
Oneonta, New York 13820
607/432-1333
Ian M. Smith, President
Geoffrey A. Smith, Vice President

Medical Engineering Associates, Inc.

145 Newbury St.
Lawrence, Massachusetts 01842
617/683-8711
Alfred Gangi

Midas-International***Commercial Products**

2600 Nappanee St.
Elkhart, Indiana 46514
219/294-6575

Bill Muser

Jim Peterson

Midcontinent Conversion Company*

4163 North Winn Road
Kansas City, Mo. 64117
816/454-5656
Gene Knisely

Mobile Technology*

1125 Glass Road, N.E.
Cedar Rapids, Iowa 52406
319/393-7456

Dick Meuler

Walt Corey

Modular Ambulance Corp.

1801 S. Great Southwest Parkway
Grand Prairie, Texas 75201
214/647-1677

Bill Myers

Bob Brooke

Ken Thompson

Motoroam Industries, Inc.

One Murrayhill Road
Galva, Illinois 61434
309/932-2056
James H. Murray, President
Gene Peterson, Vice-President

* Literature can be found in the last section.

COMPONENTS & ACCESSORIES

METAL RACKS/CABINETS

INTERIOR MODULES

CONCESSION/FOOD DISPENSING

SEATING

HEARSE

PASSENGER CARRIER

DISPLAY/OFFICE/TRAINING/TRAVEL

National Seating Company*

555 Park Avenue East
Mansfield, Ohio 44903
419/524-6811
Darrell Niswander, Sales Manager

Parsons Custom Products*

Box 409
Parsons, Kansas 67357
Toll-Free 800/835-0582
William Remmert, President

Pickwick Company*

1120 Glass Road, N.E.
Cedar Rapids, Iowa 52406
319/393-7443

Dick Meuler

Walt Corey

Pollution Control Products*

1040 Bayview Drive
Ft. Lauderdale, Florida 33304
305/563-4241
Larry Seligman

Puritan Equipment, Inc.

10800 Pflumm Road
Lenexa, Kansas 66210
913/888-4000
Dudley Grimm, Vice-President

Recreational Industries*

5232 Tod Avenue
Warren, Ohio 44485
216/393-1518
Rob Steenson

Road Rescue, Inc.*

2161 University Avenue
St. Paul, Minnesota 55114
612/646-7977
Richard W. Wiessner, President

Solar Power Corp.

#5 Executive Park Drive
No. Billerica, Massachusetts 01862
617/246-2355

Paul J. Caruso
Ed Mahoney

Robert Willis
Arthur Rudin

Star-Line Enterprises, Inc.*

P.O. Box 936
Sanford, Florida 32771
305/323-0411
Vaughn Medcalf, Vice-President

Steve Bragg & Associates*

3219 Airport Avenue
Santa Monica, California 90405
213/390-5083

Steve Bragg

R. B. Samuelson

DESIGN/ENGINEERING/PROTOTYPES
 DISPLAY/OFFICE/TRAINING/TRAVEL
 AMBULANCE/MEDICAL/EMERGENCY
 PASSENGER CARRIER
 CONCESSION/FOOD DISPENSING
 HEARSE
 SEATING
 INTERIOR MODULES
 METAL RACKS/CABINETS
 COMPONENTS & ACCESSORIES

H.B. Stubbs Co.

27027 Mound Road
 Warren, Michigan 48092
 313/536-1960

Donald W. Adams George Auchterlonie

Taylor Made, Inc.

5625 Kearny Villa Road
 San Diego, California 92123
 714/292-4694
 Art Charland

Trans-International Trading, Inc.*

25 E. Broadway
 Derry, N.H. 03038
 603/434-0090

Dan Hajjar Ronald E. Darois

Tulsa Custom Coach

811 South Harvard St.
 Tulsa, Oklahoma 74112
 918/939-4754
 Ed Hulsman

United Bus Sales, Inc.

6700 South Garfield Avenue
 Bell Gardens, California 90201
 213/927-1377

Melvin Ives, President R.B. Samuelson

Waymatic

P.O. Drawer 409
 Fulton, Kentucky 42041
 901/479-1741

T.J. Easterwood Wanda Barker

Wolf Coach, Inc.

200 Bartlett Street
 Northboro, Massachusetts 01532
 617/393-2551

Paul J. Wolf Richard Wolf

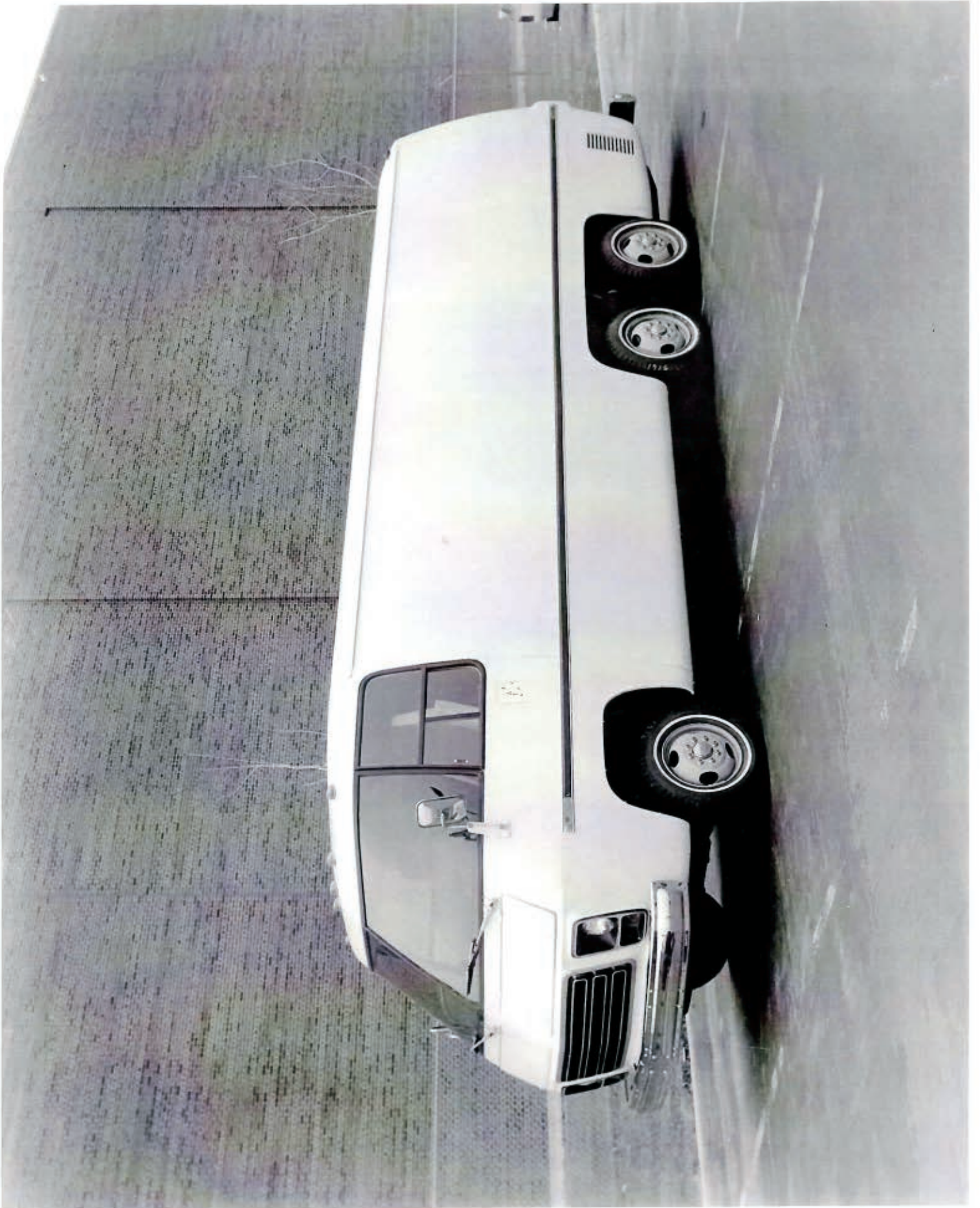
Flex Steel Industries, Inc.

Metal Division 2140
 666 N. Lakeshore Drive
 Chicago, Illinois 60611
 312/664-1600
 Chester S. Kos

* Literature can be found in the last section.

CONCEPTS

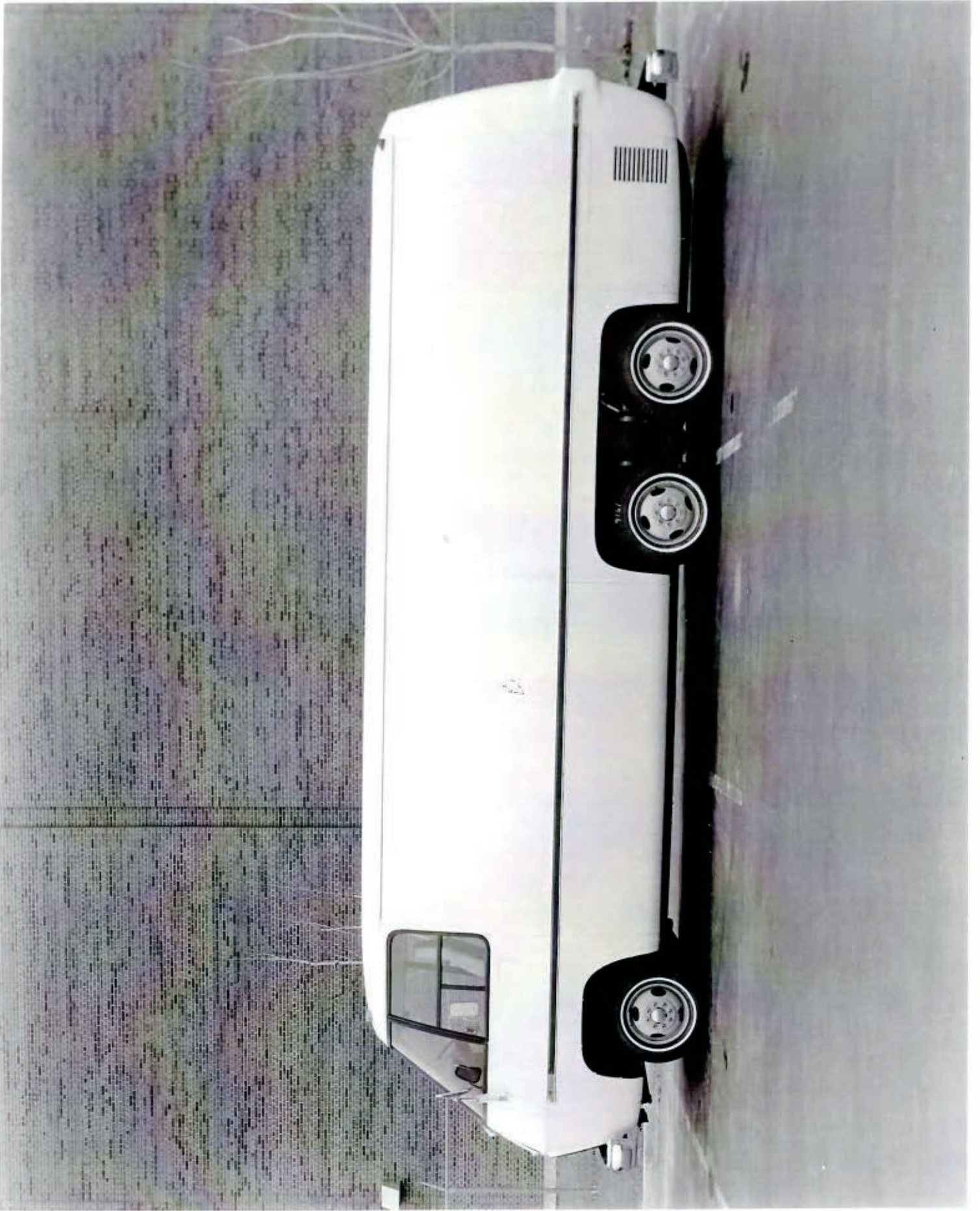
These pictures present an idea
of what has already been done
with the TransMode.
Work with them to develop
new concepts.











RE STATION



S T A T I O N

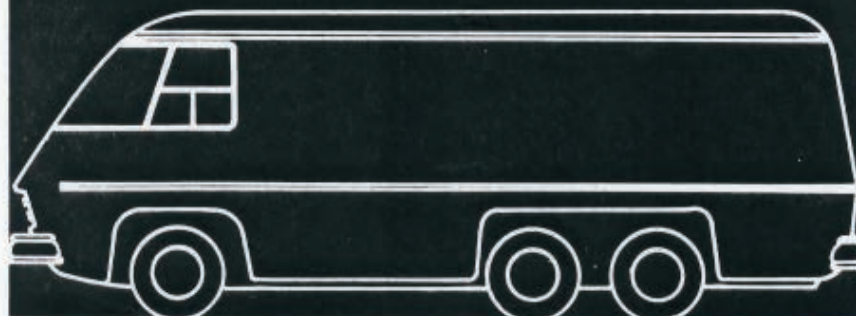




PERSONNEL BUS • PUBLIC ADDRESS UNIT •
 RADIO BROADCASTING UNIT • RECRUITING
 UNIT • RESEARCH LABORATORY • SHOWROOM
 • SPORT VEHICLE • SPORTS BUS • TICKET
 OFFICE • TRIP VEHICLE • TV BROADCASTING
 UNIT • WHEELCHAIR VEHICLE • X-RAY LAB
 ACCOUSTICAL TESTING VAN • ACTIVITY BUS •
 AIR POLLUTION LABORATORY • AIRPORT BUS
 • AMBULANCE • BLOODMOBILE • BOOKMOBILE
 • CINEMA STUDIO • CITY BUS • CLASSROOMS
 • COMMAND POST • COMMUNITY SERVICE
 VEHICLE • CORONARY CARE UNIT • CUSTOM
 VAN • CUSTOMIZED MOTOR HOME • DENTAL
 CLINIC • DIAL-A-RIDE BUS • EMERGENCY
 MEDICAL UNIT • ENTERTAINMENT CENTER •
 EYE CLINIC • HANDICAPPED CHILDREN'S BUS

Trans Mode

CONCEPTS

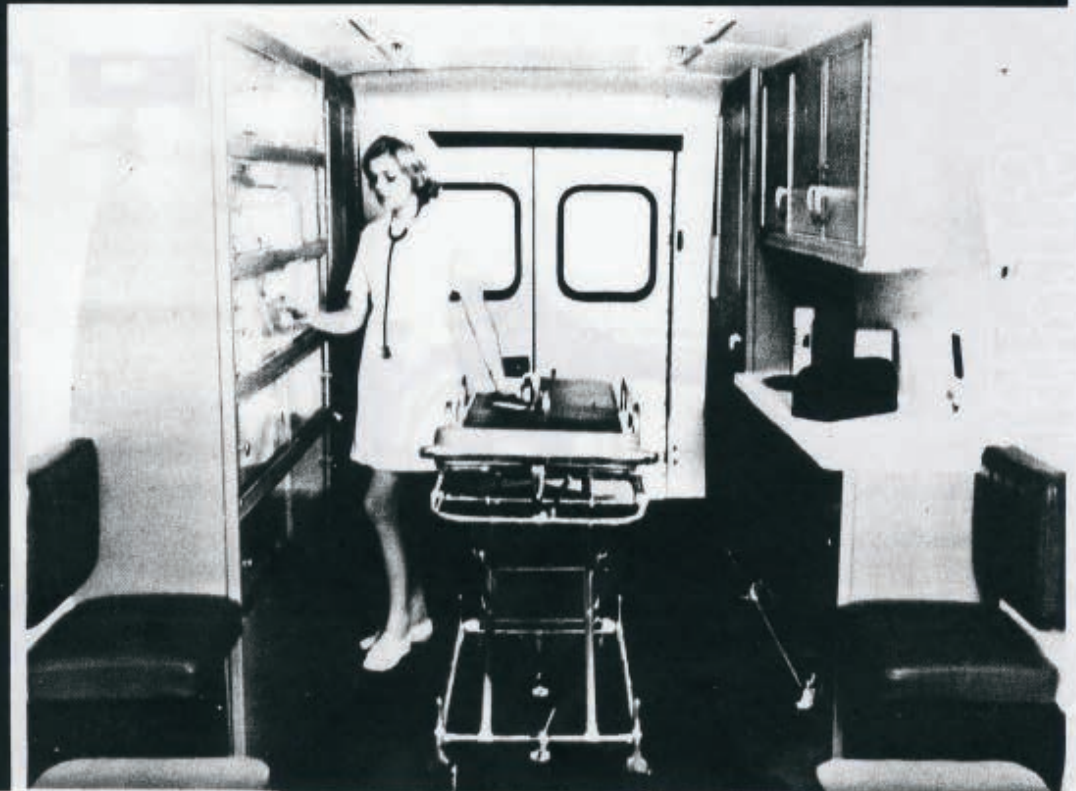


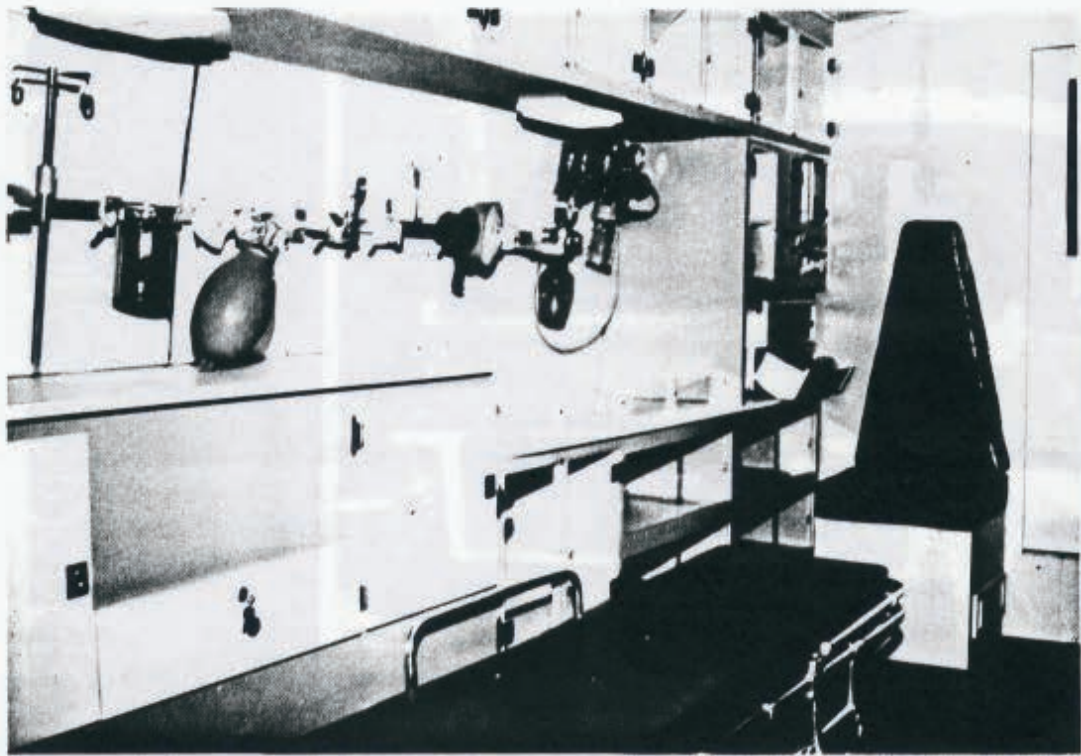
• HEARSE • HOME THERAPY UNIT • HOTEL
 BUS • LAND YACHT • MOBILE BANK • MOBILE
 LAB • MOTOR HOME INTERIOR • OFFICE •
 PARAPLEGIC UNIT • PERSONALIZED VAN •
 PERSONNEL BUS • PUBLIC ADDRESS UNIT •
 RADIO BROADCASTING UNIT • RECRUITING
 UNIT • RESEARCH LABORATORY • SHOWROOM
 • SPORT VEHICLE • SPORTS BUS • TICKET
 OFFICE • TRIP VEHICLE • TV BROADCASTING
 UNIT • WHEELCHAIR VEHICLE • X-RAY LAB
 ACCOUSTICAL TESTING VAN • ACTIVITY BUS •
 AIR POLLUTION LABORATORY • AIRPORT BUS
 • AMBULANCE • BLOODMOBILE • BOOKMOBILE
 • CINEMA STUDIO • CITY BUS • CLASSROOMS
 • COMMAND POST • COMMUNITY SERVICE
 VEHICLE • CORONARY CARE UNIT • CUSTOM

CONCEPTS

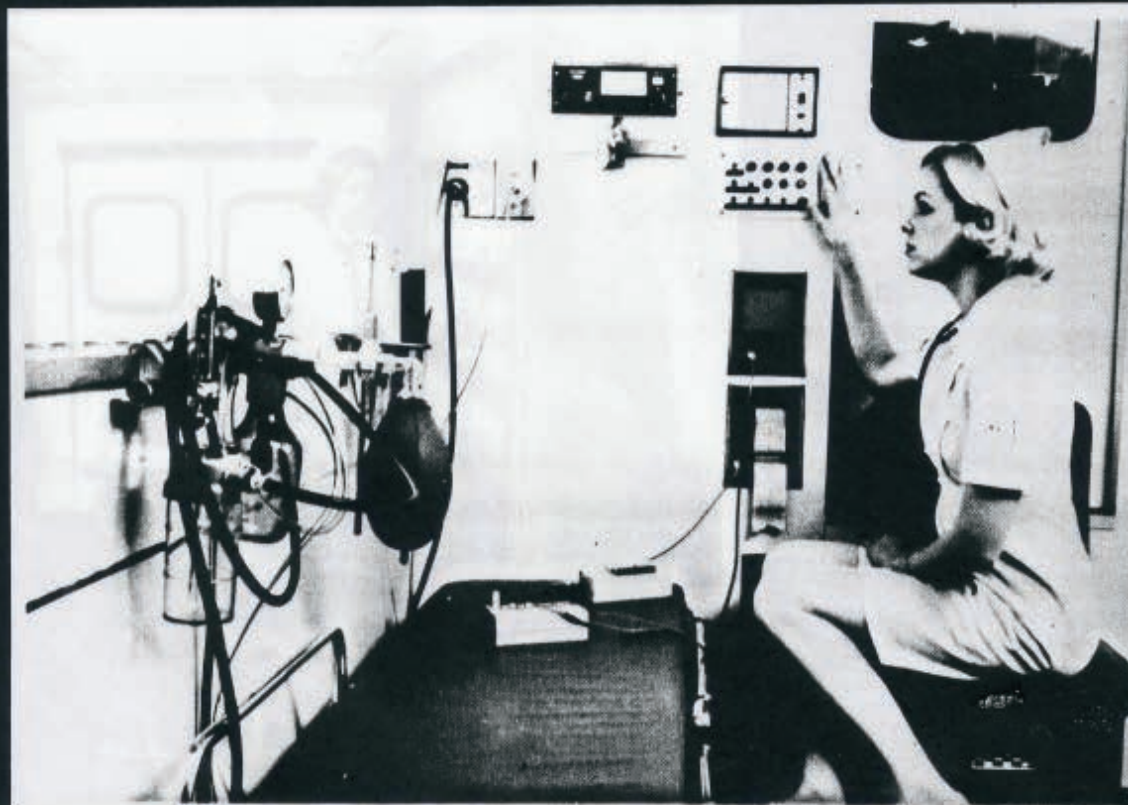


AMBULANCE/MEDICAL/EMERGENCY
Wolf Coach, Inc.
Northboro, Massachusetts





AMBULANCE/MEDICAL/EMERGENCY
Emergency Medical Service
by
Parsons Custom Products
Parsons, Kansas



CONCEPTS



CONCEPTS

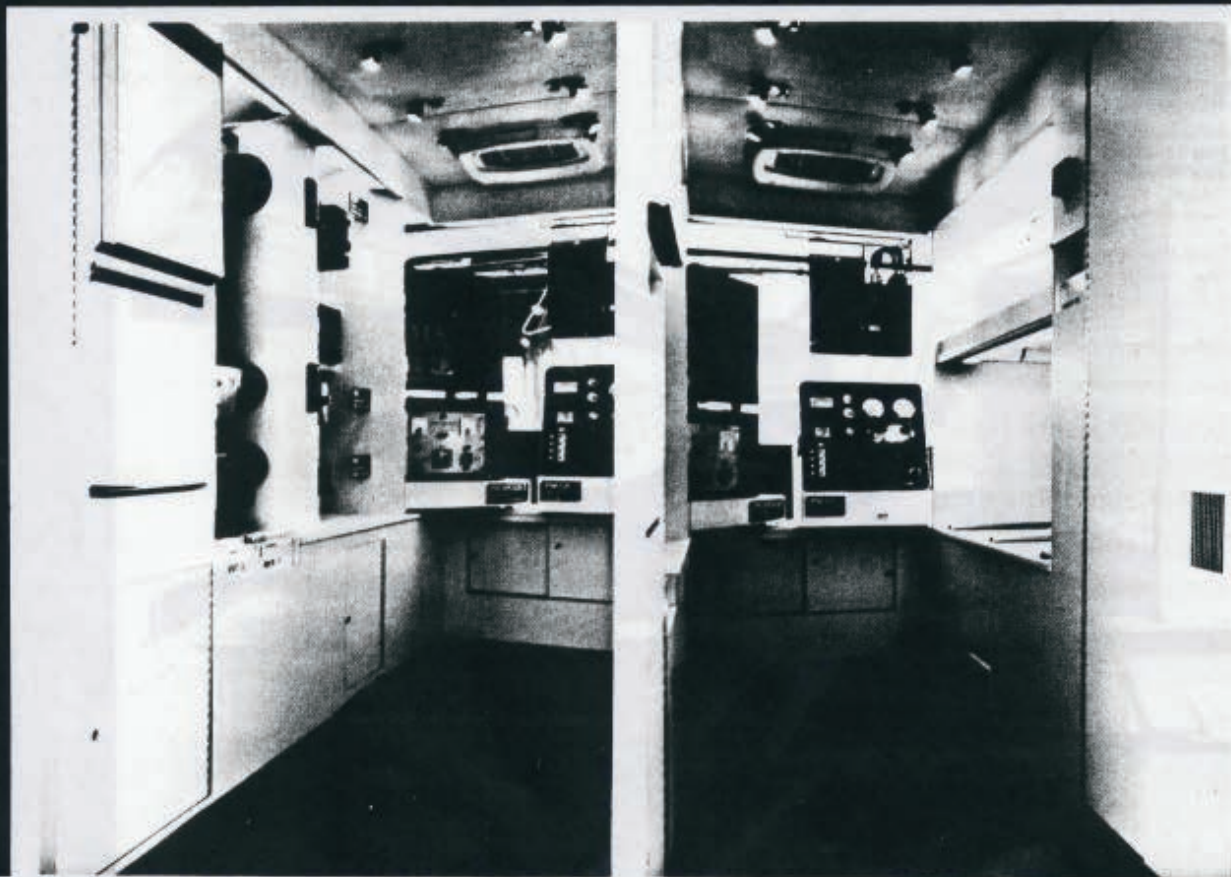
AMBULANCE/MEDICAL/EMERGENCY
Paraplegic Unit
by
Medical Engineering Associates, Inc.
Lawrence, Massachusetts





DISPLAY/OFFICE/TRAINING/TRAVEL
Mobile Showroom

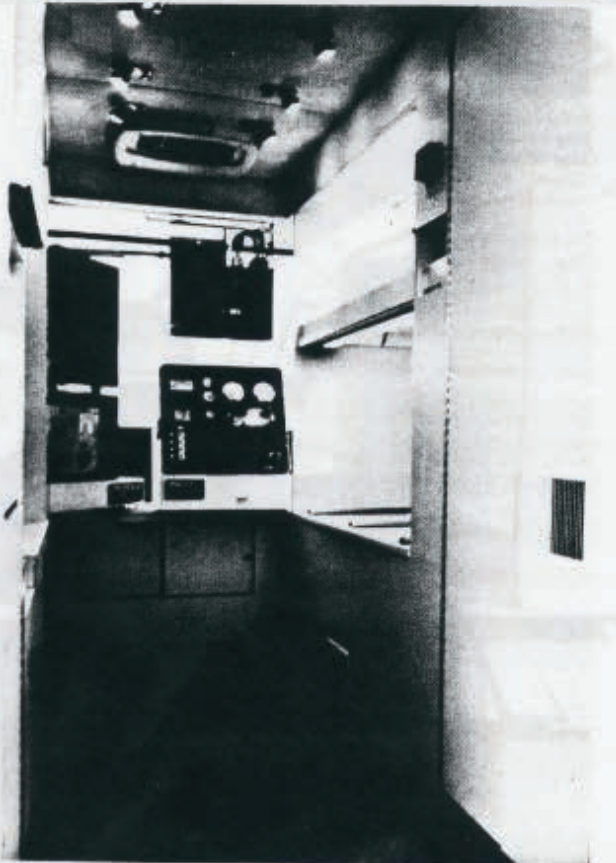
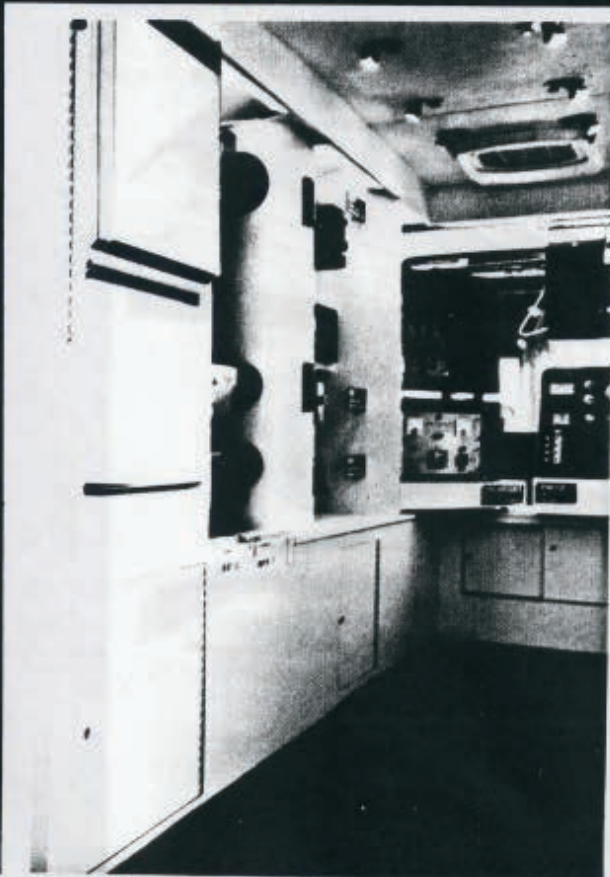
DISPLAY/OFFICE/TRAINING/TRAVEL
Travel Lab (two views)





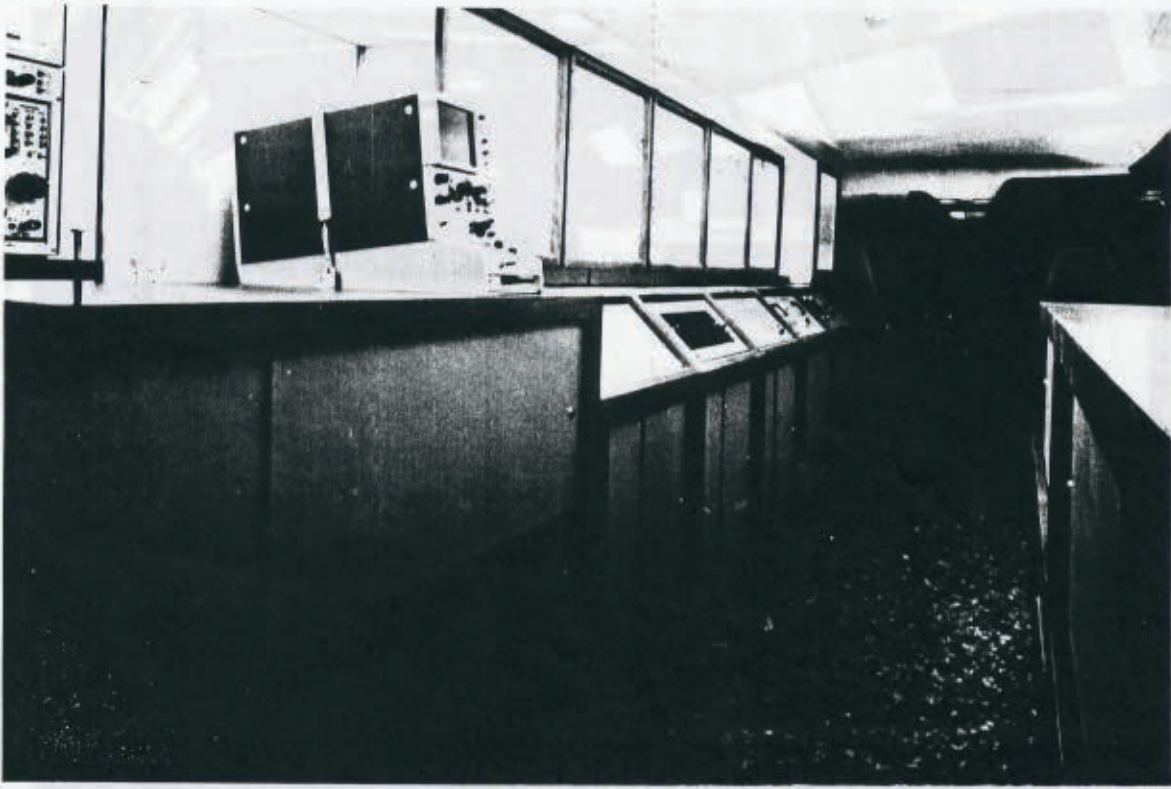
DISPLAY/OFFICE/TRAINING/TRAVEL
Mobile Showroom

DISPLAY/OFFICE/TRAINING/TRAVEL
Travel Lab (two views)



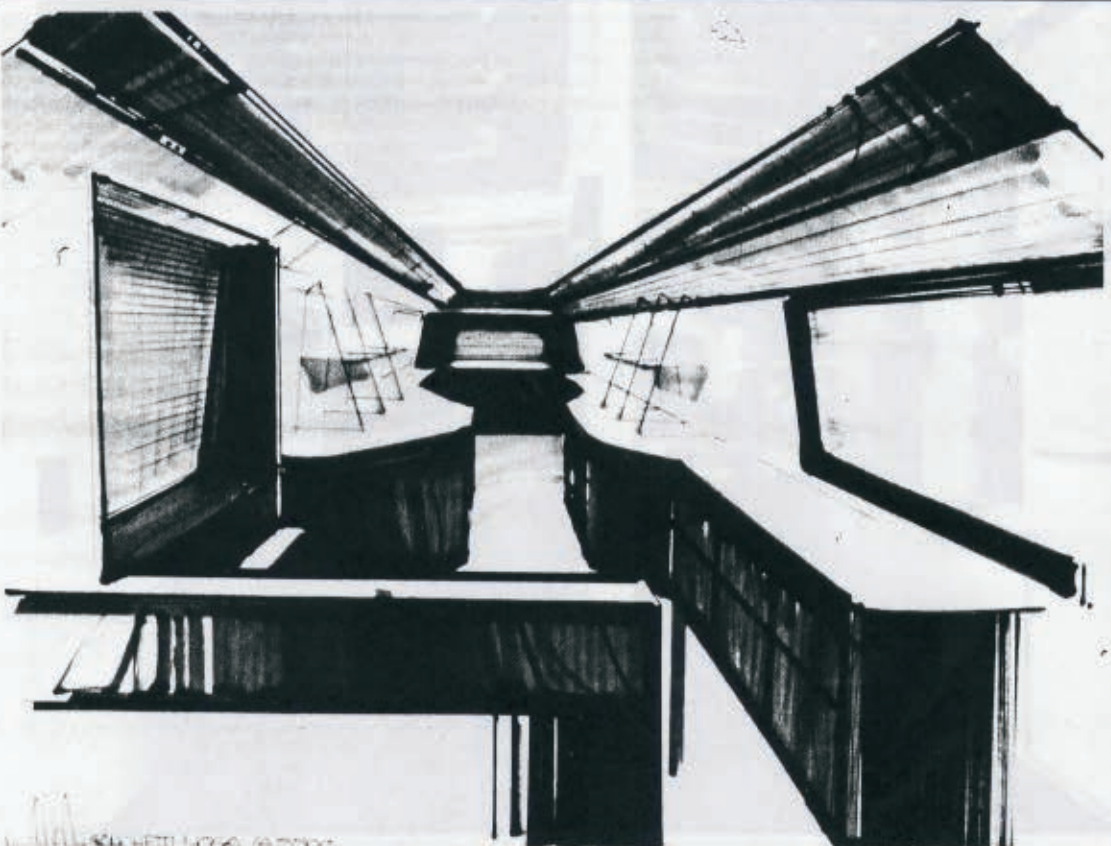
CONCEPTS

CONCEPTS



DISPLAY/OFFICE/TRAINING/TRAVEL
Display & Training Unit

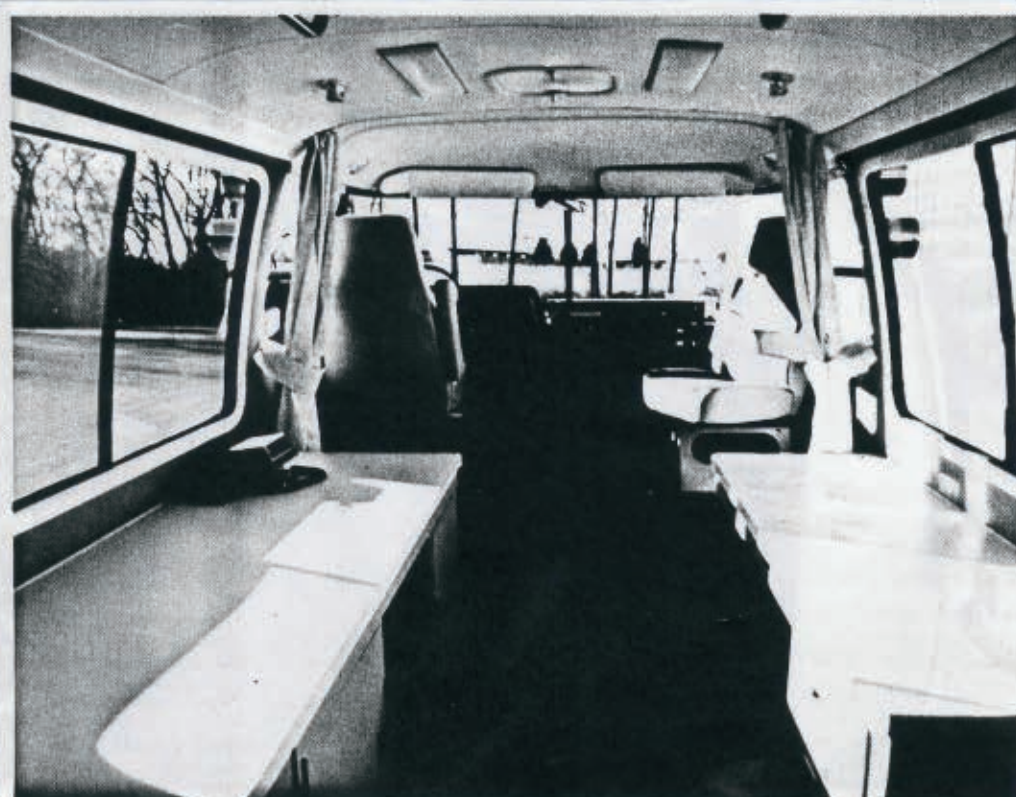
DISPLAY/OFFICE/TRAINING/TRAVEL
Classroom Unit





AMBULANCE/MEDICAL/EMERGENCY
Command/Utility Facility
by
ComCoach Corporation
Northport, New York

CONCEPTS

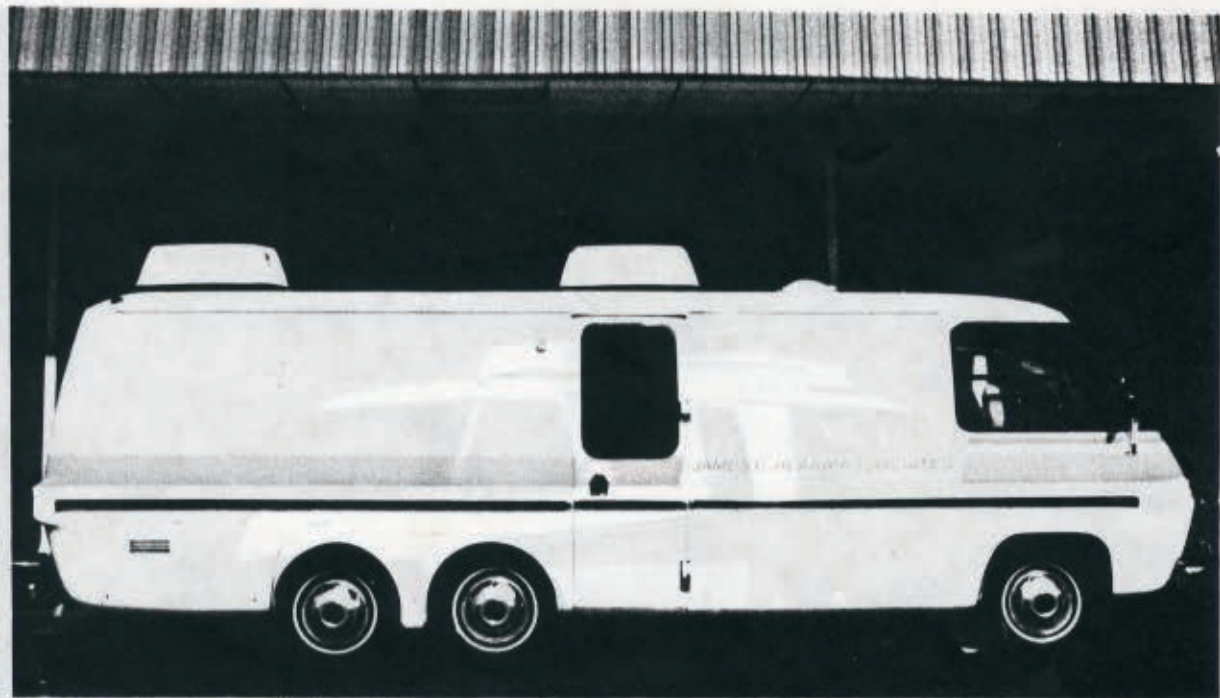




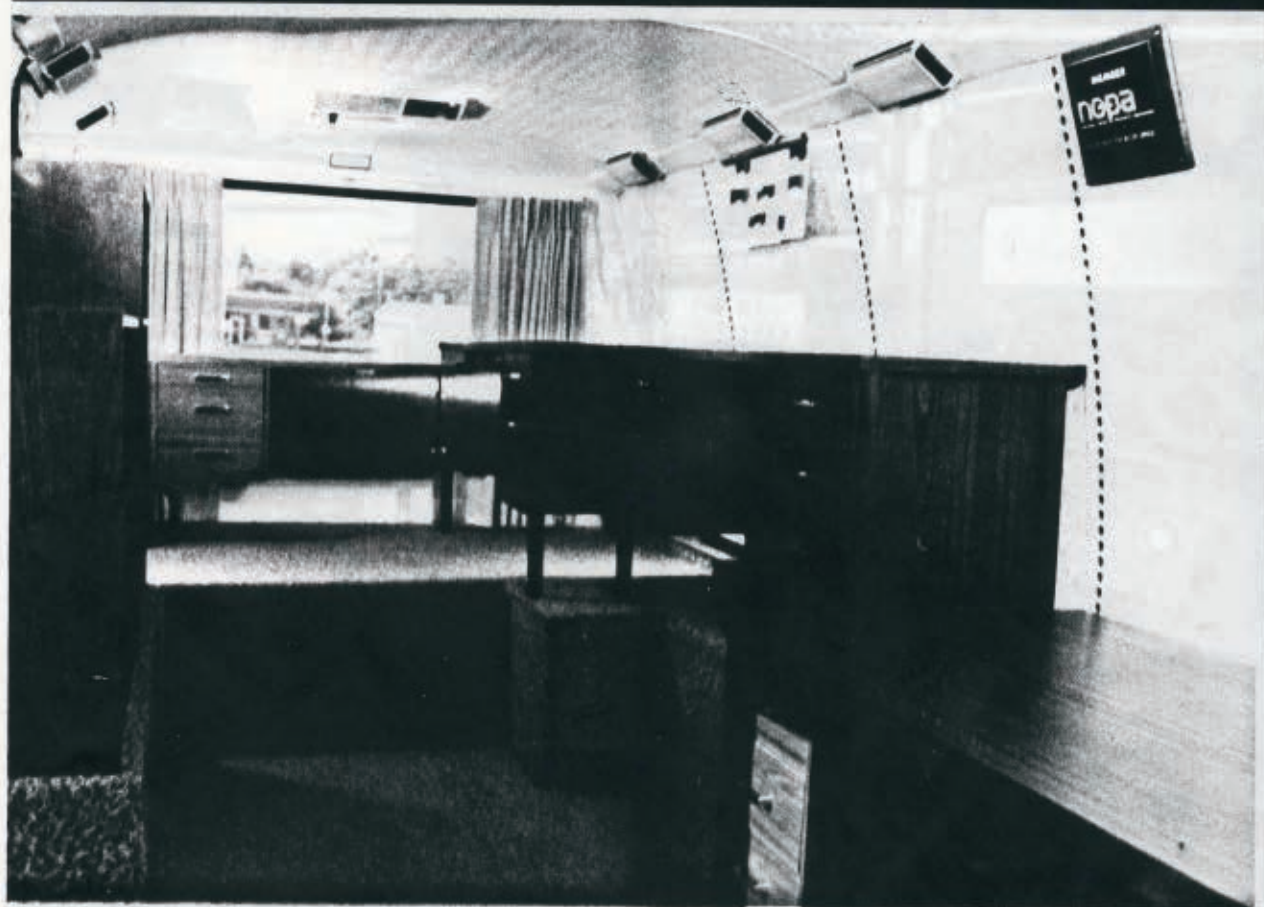
AMBULANCE/MEDICAL/EMERGENCY
Intensive Care Facility
by
ComCoach Corporation
Northport, New York



CONCEPTS



DISPLAY/OFFICE/TRAINING/TRAVEL

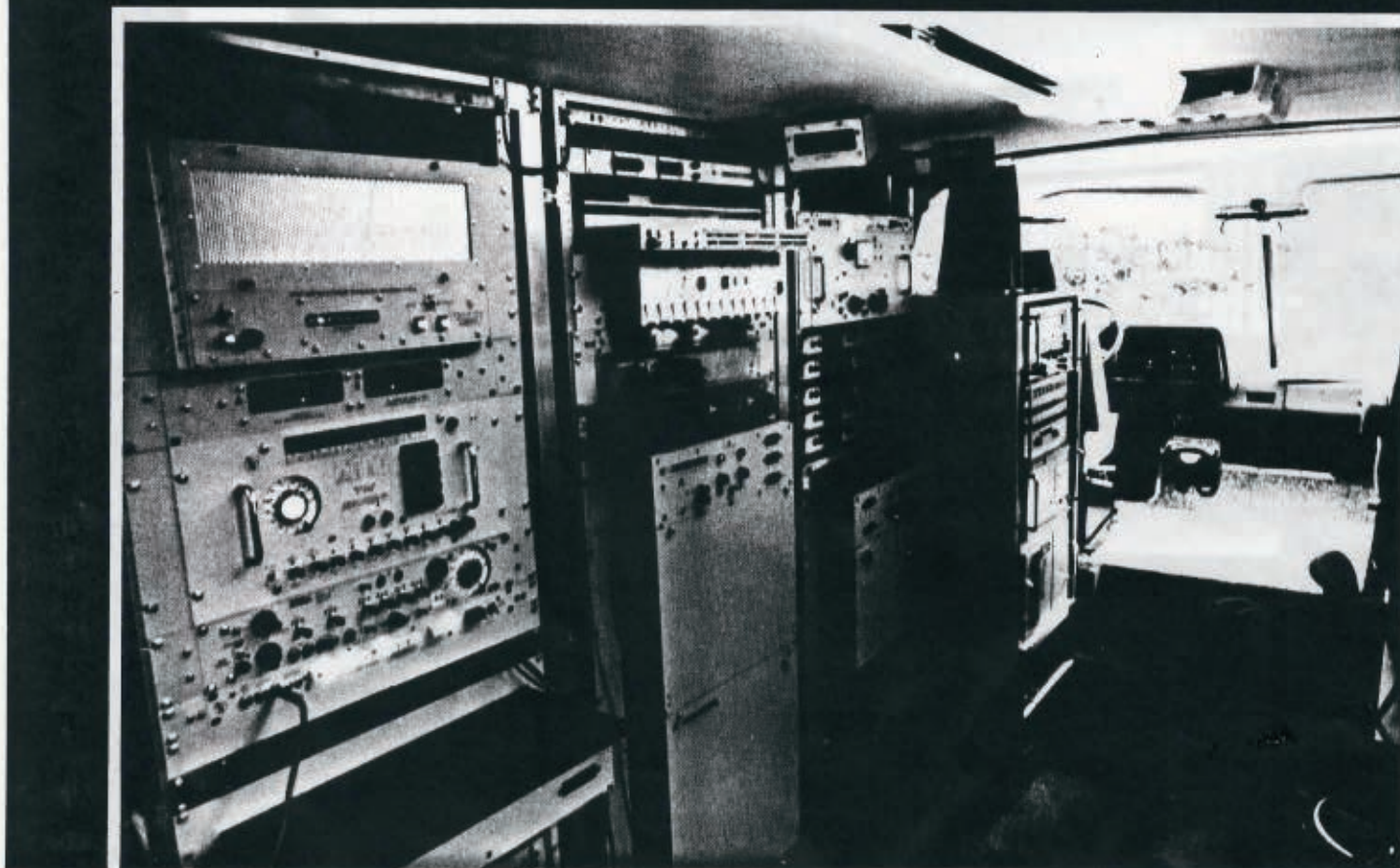


CONCEPTS



CONCEPTS

DISPLAY/OFFICE/TRAINING/TRAVEL
Northeast Electronics Lab

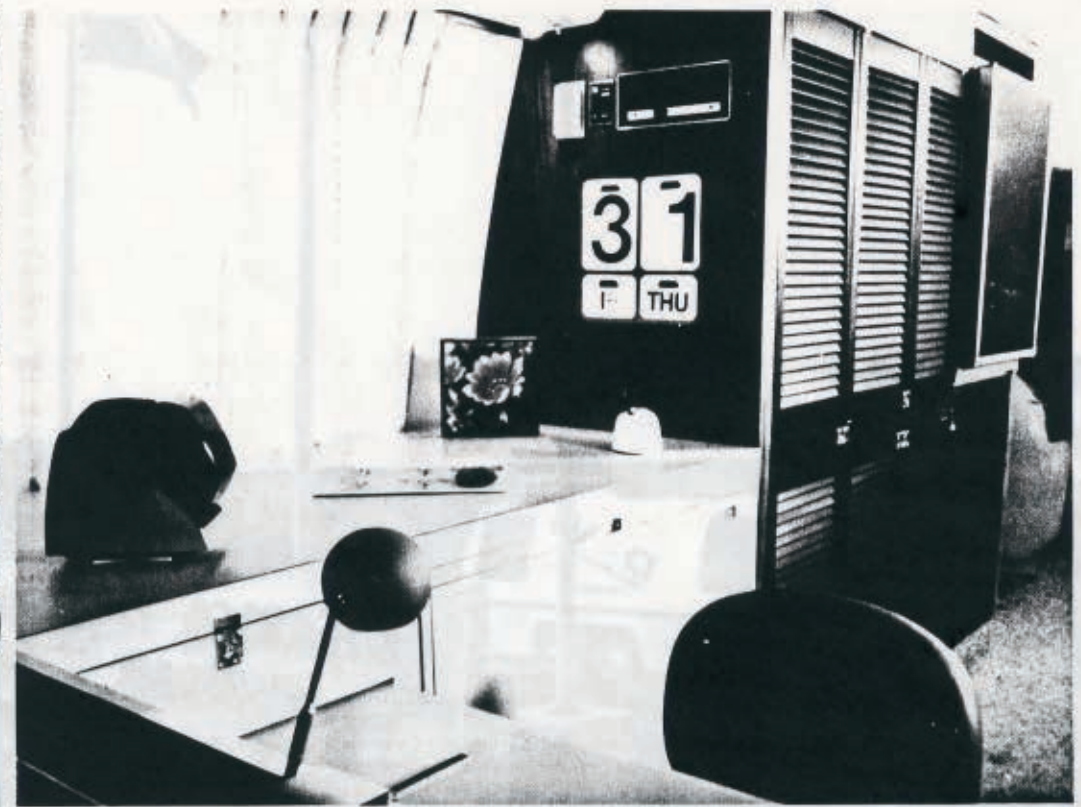




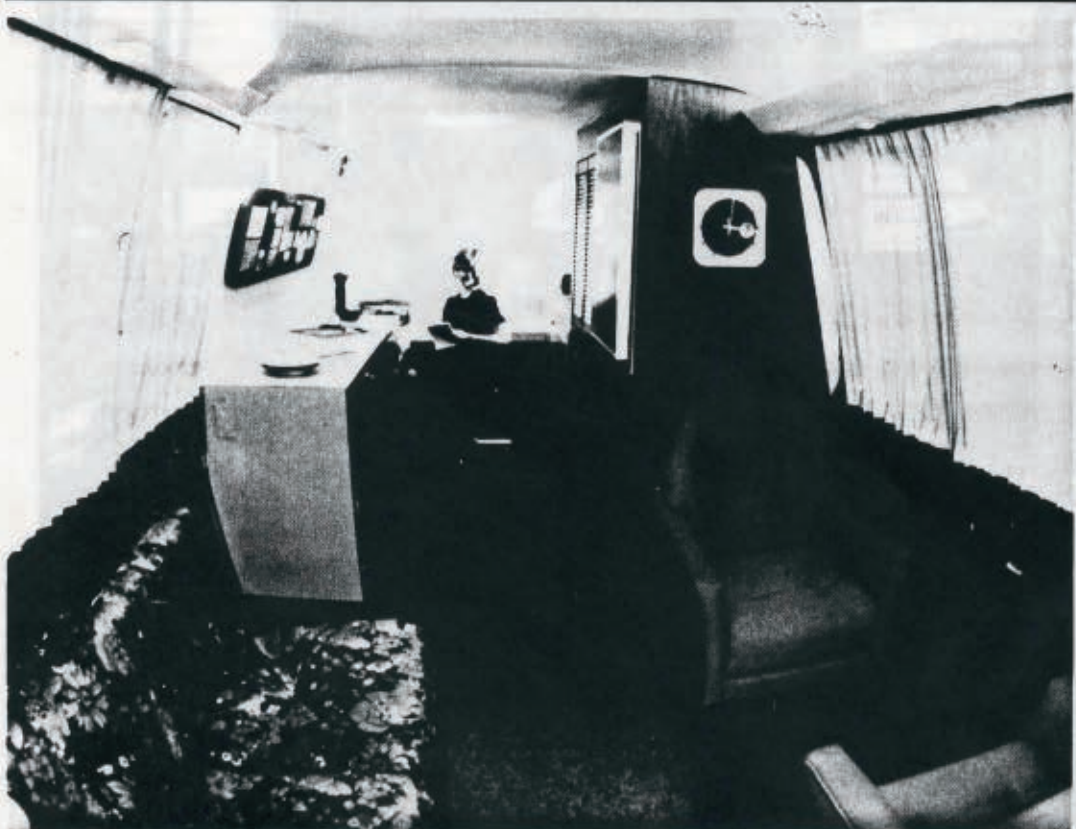
DISPLAY/OFFICE/TRAINING/TRAVEL
DAV Conference Center



CONCEPTS



DISPLAY/OFFICE/TRAINING/TRAVEL
"Mr. Realtor" Office
by
H. B. Stubbs
Warren, Michigan





PASSENGER CARRIER
Jitney
by
The Brubaker Group
Los Angeles, California

CONCEPTS



CONCEPTS



PASSENGER CARRIER
Taylor Made, Inc.
San Diego, California

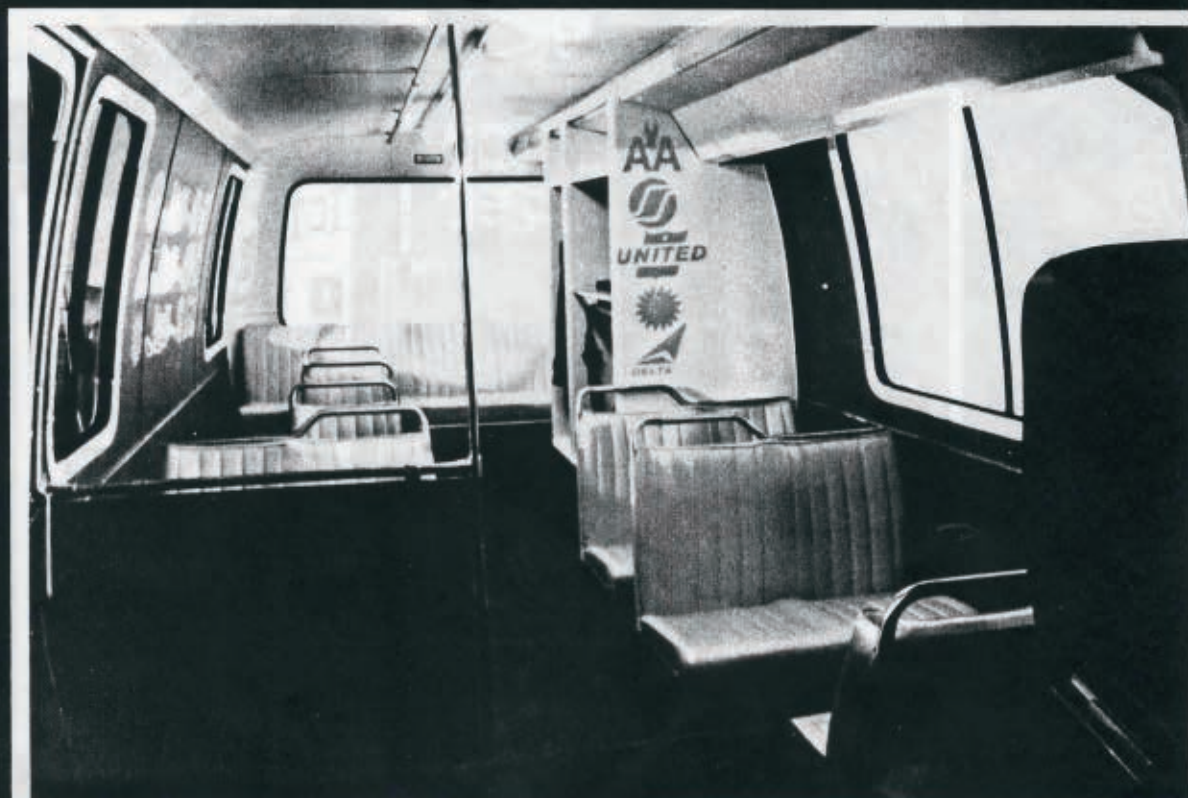
PASSENGER CARRIER

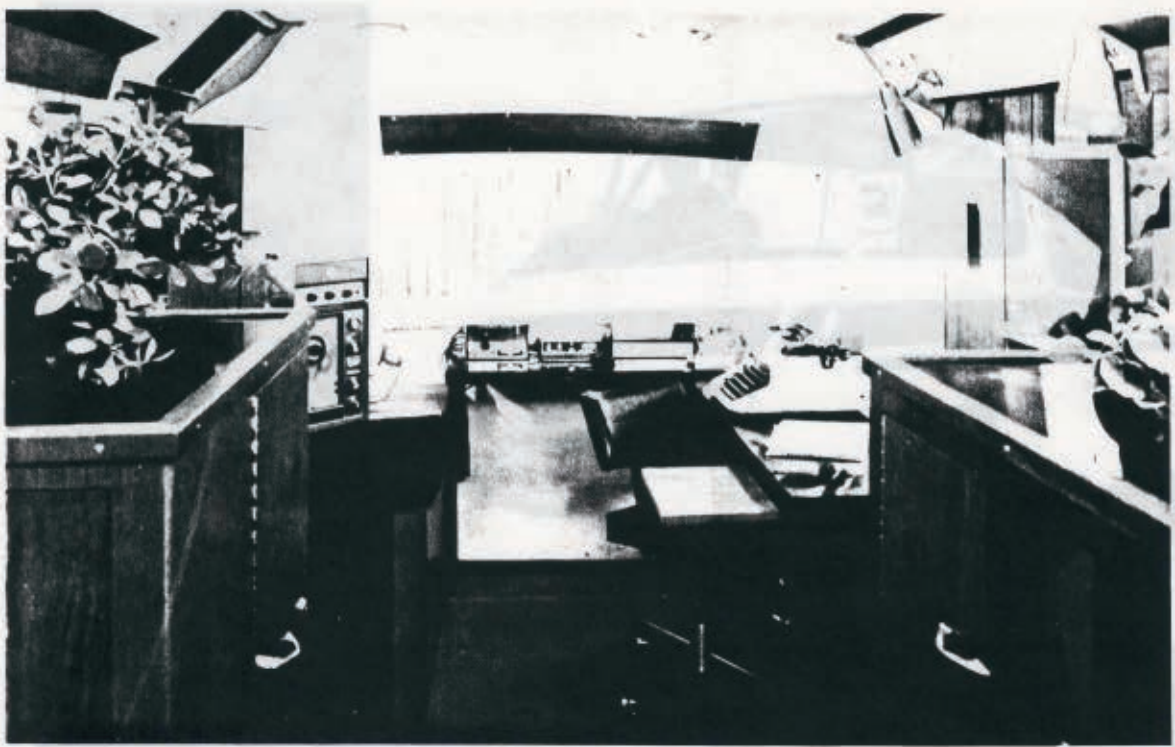




CONCEPTS

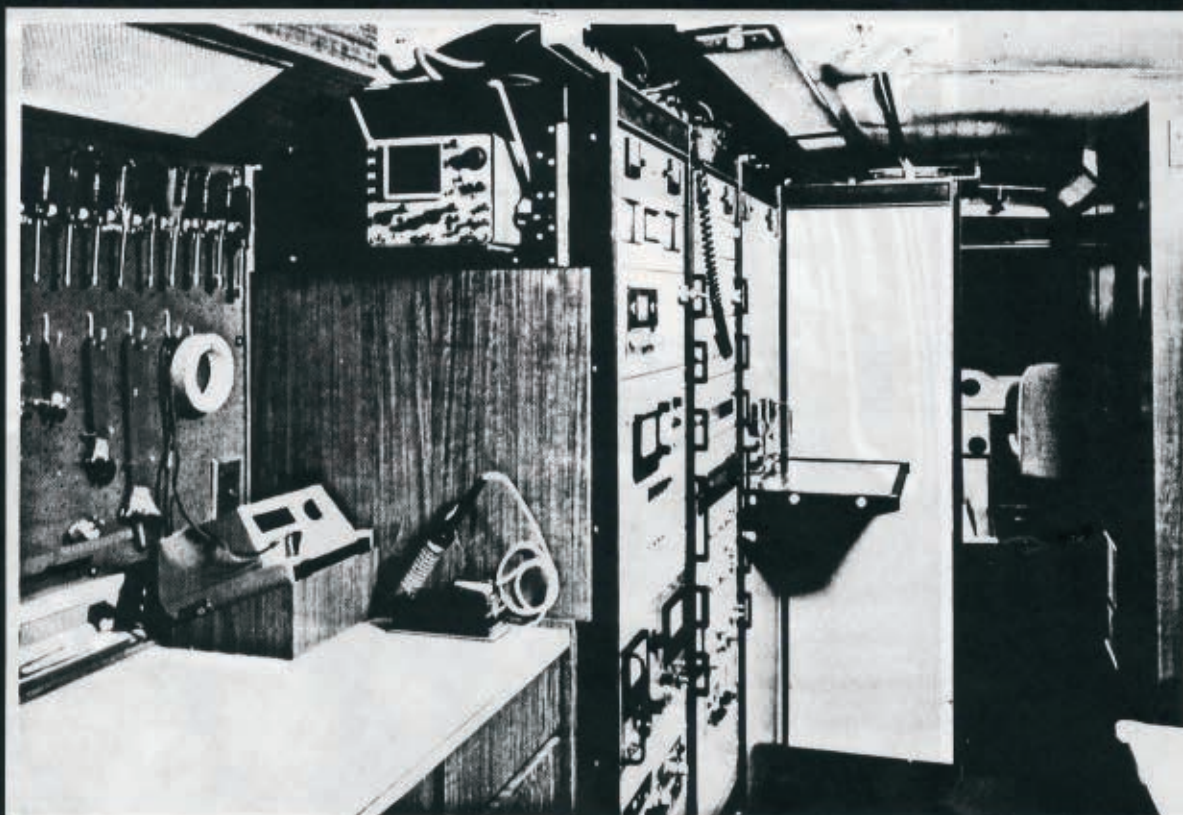
PASSENGER CARRIER
Airport Jitney
by
The Brubaker Group
Los Angeles, California



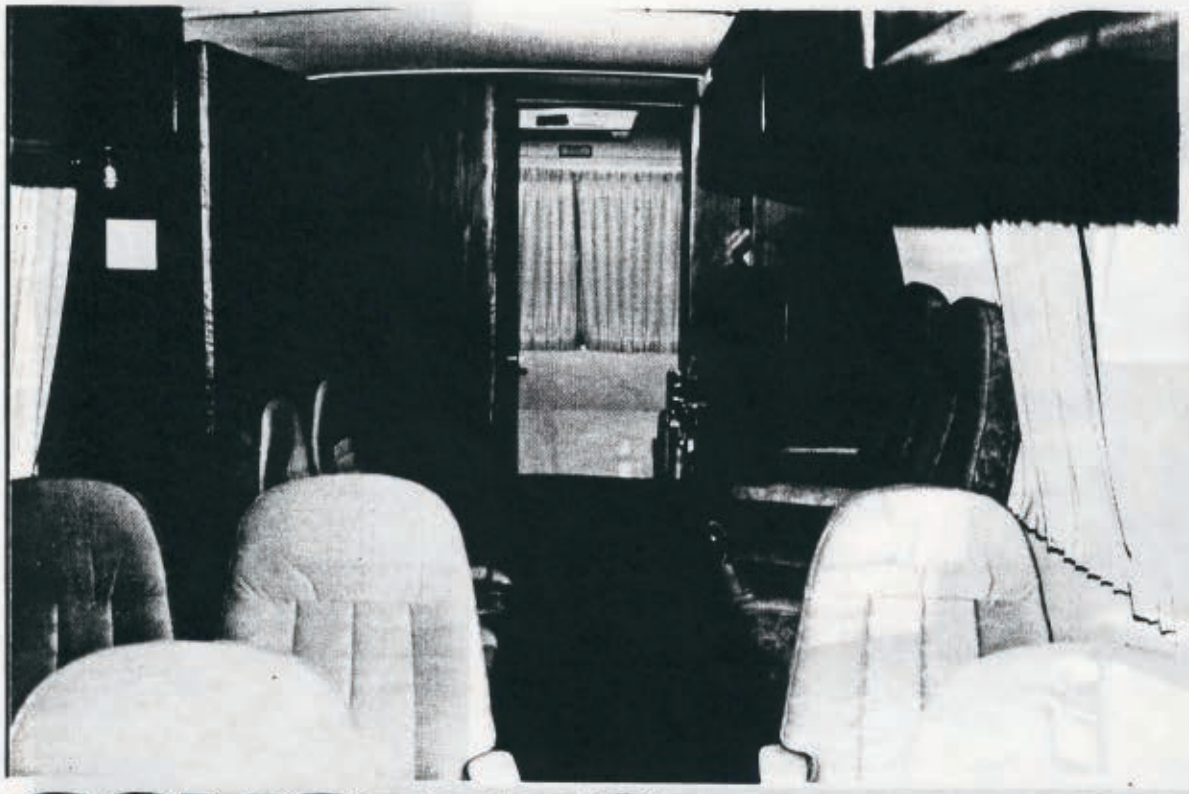


DISPLAY/OFFICE/TRAINING/TRAVEL
Mobile Office

DISPLAY/OFFICE/TRAINING/TRAVEL
Technical Lab



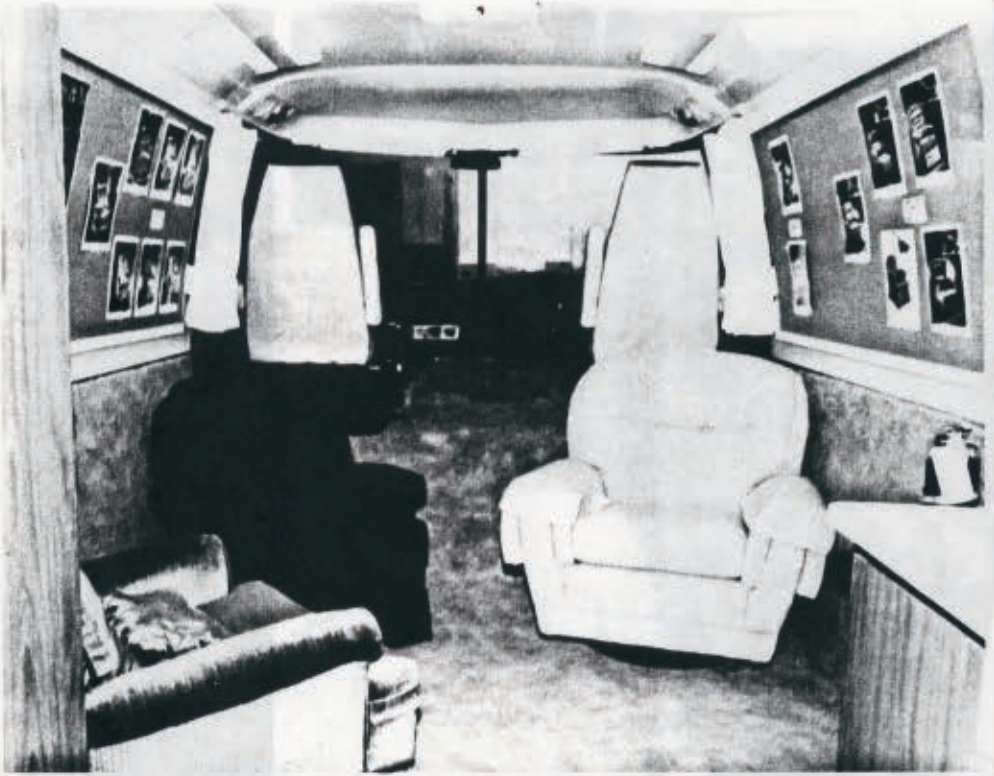
CONCEPTS



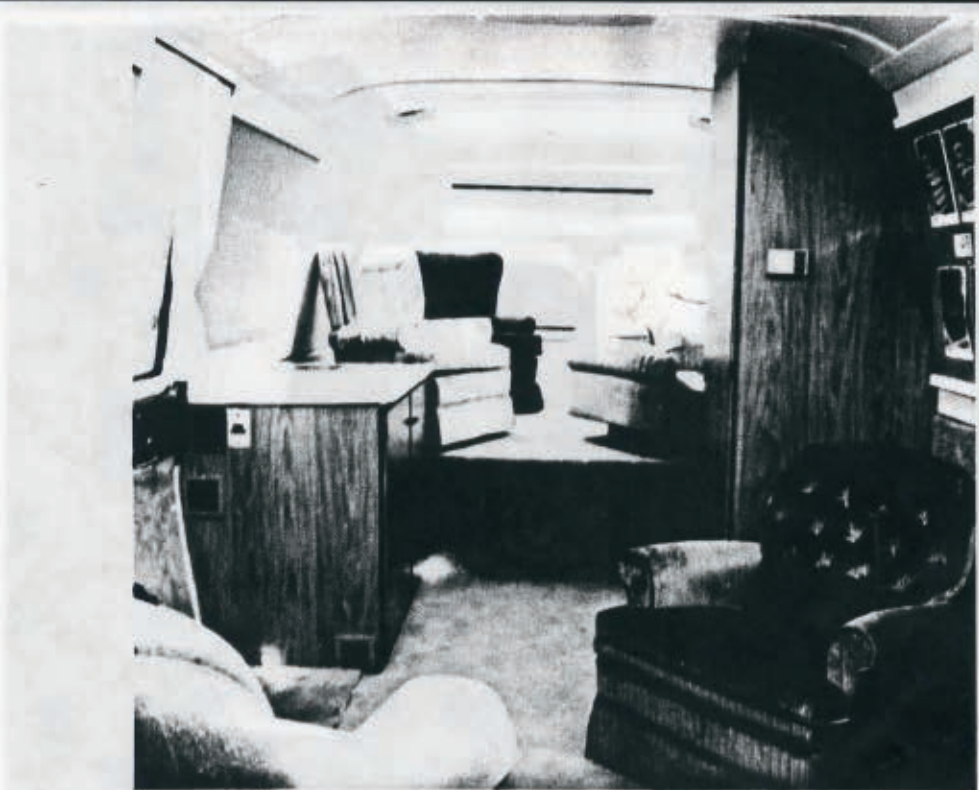
CONCEPTS

DISPLAY/OFFICE/TRAINING/TRAVEL
Traveler
by
Steve Bragg Associates
Santa Monica, California





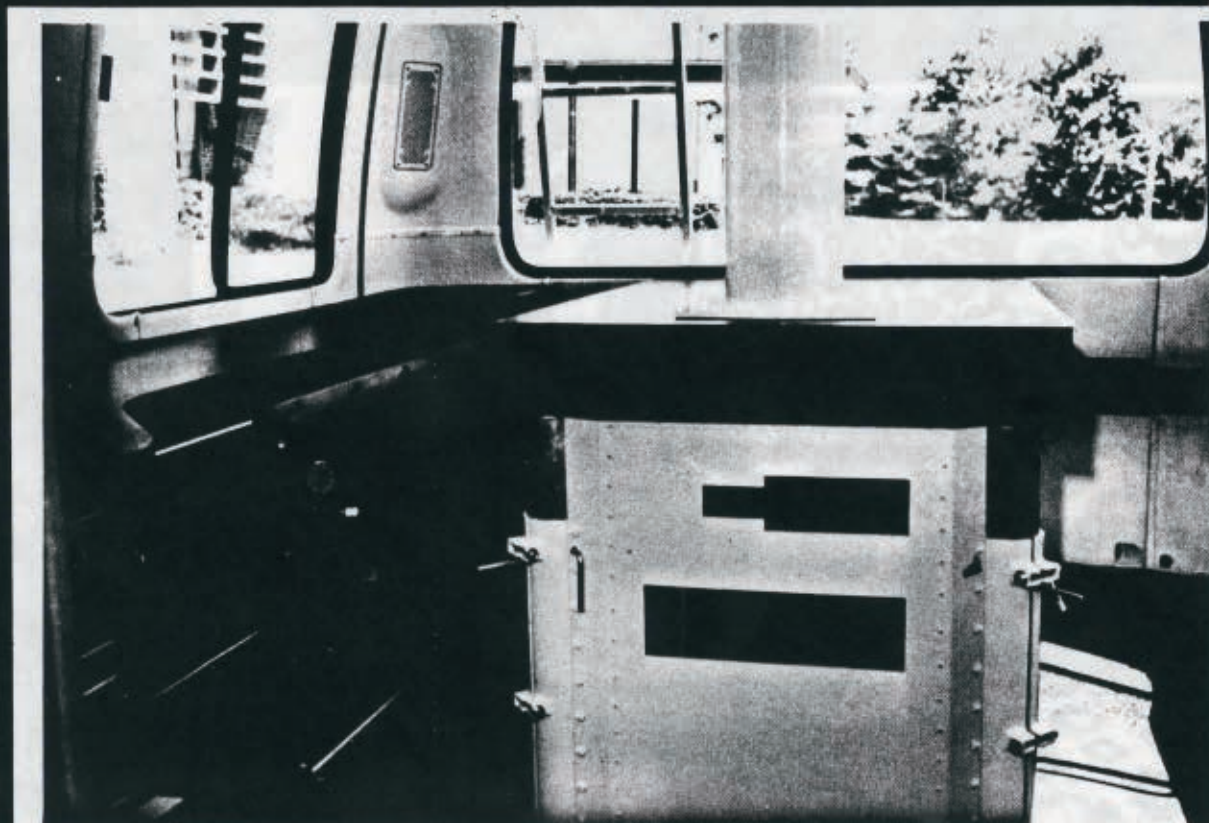
DISPLAY/OFFICE/TRAINING/TRAVEL
"LA-Z-Boy" Mobile Showroom
by
deWindt Associates, Inc.
Troy, Michigan

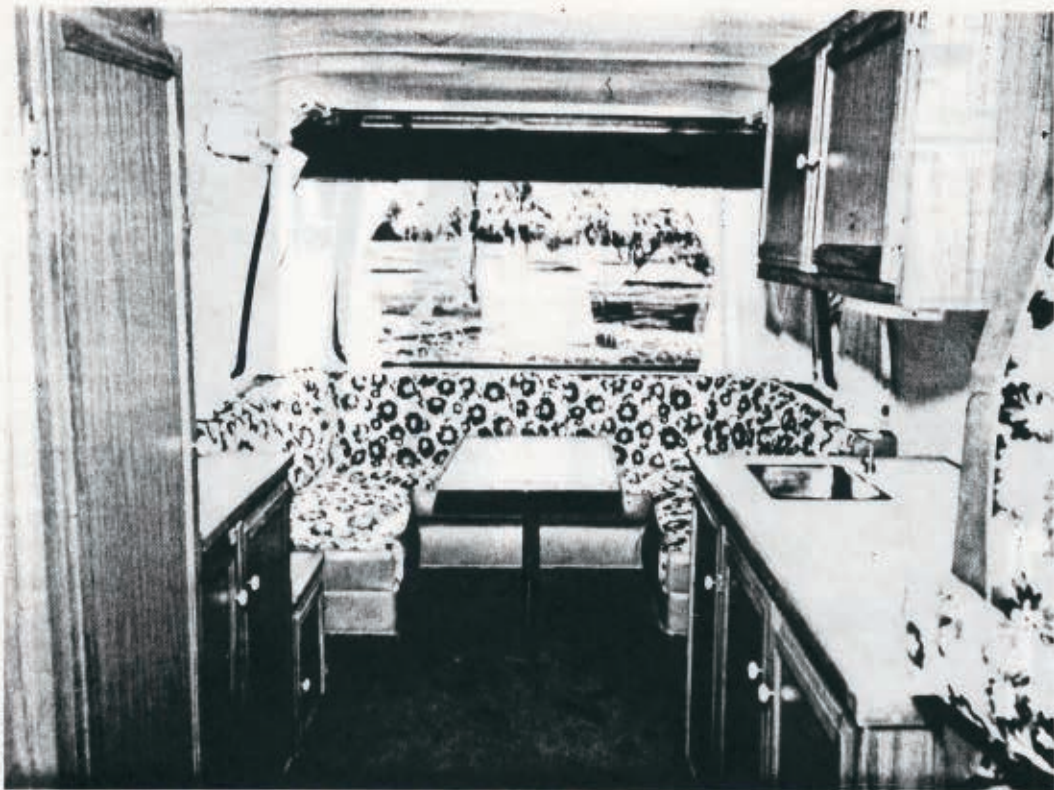


CONCEPTS



DISPLAY/OFFICE/TRAINING/TRAVEL
Ecololab
by
Wolf Coach, Inc.
Northboro, Massachusetts





CONCEPTS

DISPLAY/OFFICE/TRAINING/TRAVEL
Luxury Liner
by
Taylor Made, Inc.
San Diego, California





AMBULANCE/MEDICAL/EMERGENCY
Midas International Corporation
Elkhart, Indiana



CONCEPTS



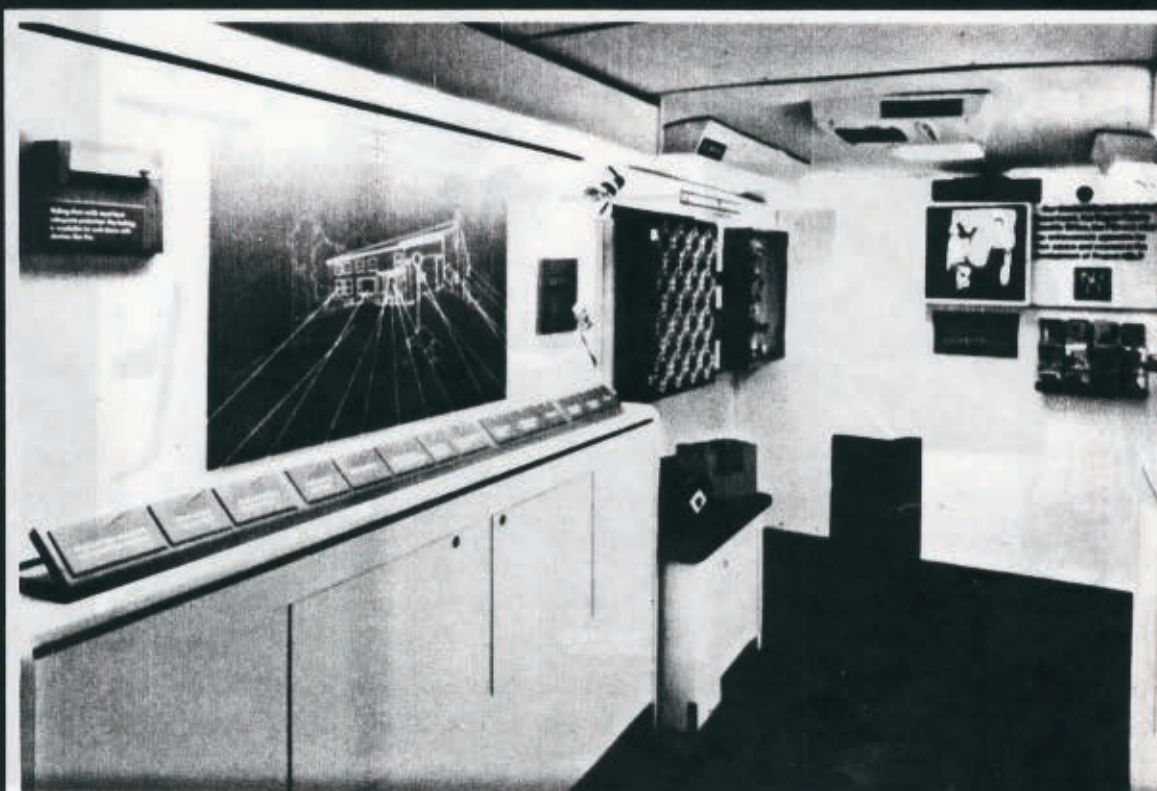
DISPLAY/OFFICE/TRAINING/TRAVEL
 Mobile Library
 by
 Road Rescue, Inc.
 St. Paul, Minnesota



CONCEPTS



DISPLAY/OFFICE/TRAINING/TRAVEL
Mobile Display Unit
by
deWindt Associates, Inc.
Troy, Michigan





CONVENIENCE COACH



MEDI COACH



EMERGENCY COACH



DIAL A COACH



Clean Room Coach



Mobile Passenger Lounge

CONCEPTS

CONCEPTS



METRO COACH



Surveyors' Lab



Display and Exhibit Coach

CONCEPTS



AIRPORT COACH



Mobile Post Office



Mobile Bank

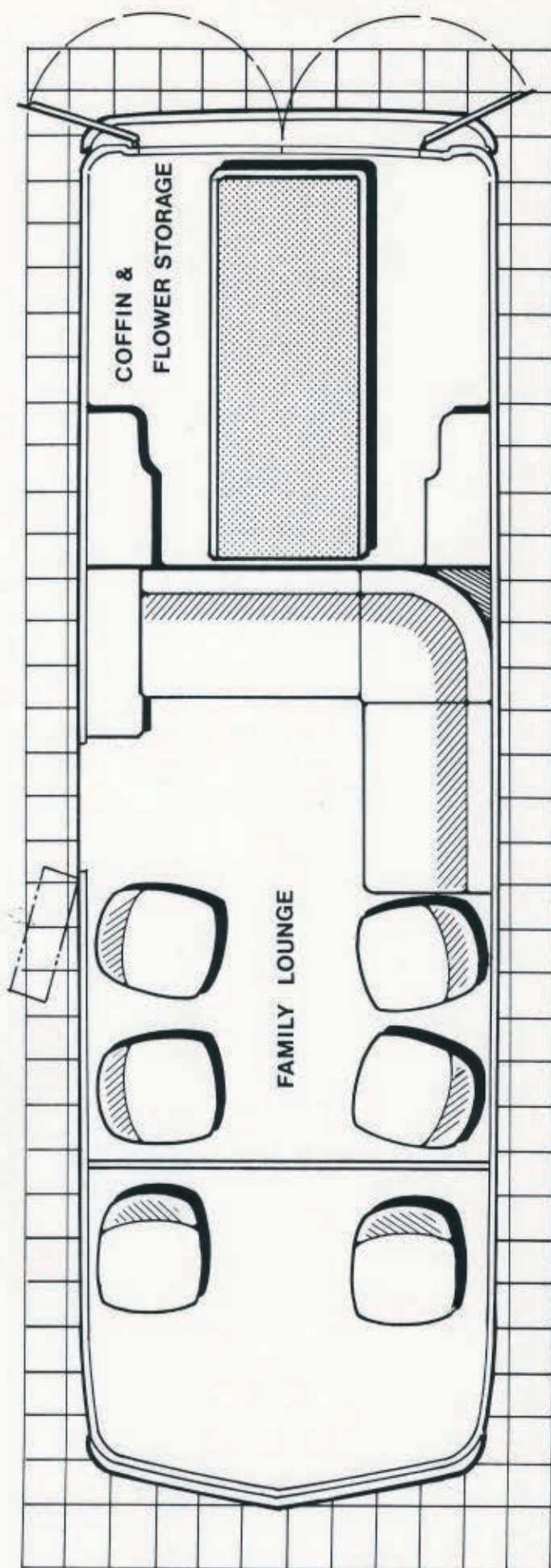
WORKSHEETS

These are five selected floor plans
together with a supply of
undeveloped layouts.

Use the undeveloped layouts to
record new ideas for final upfitting.

WORK SHEET

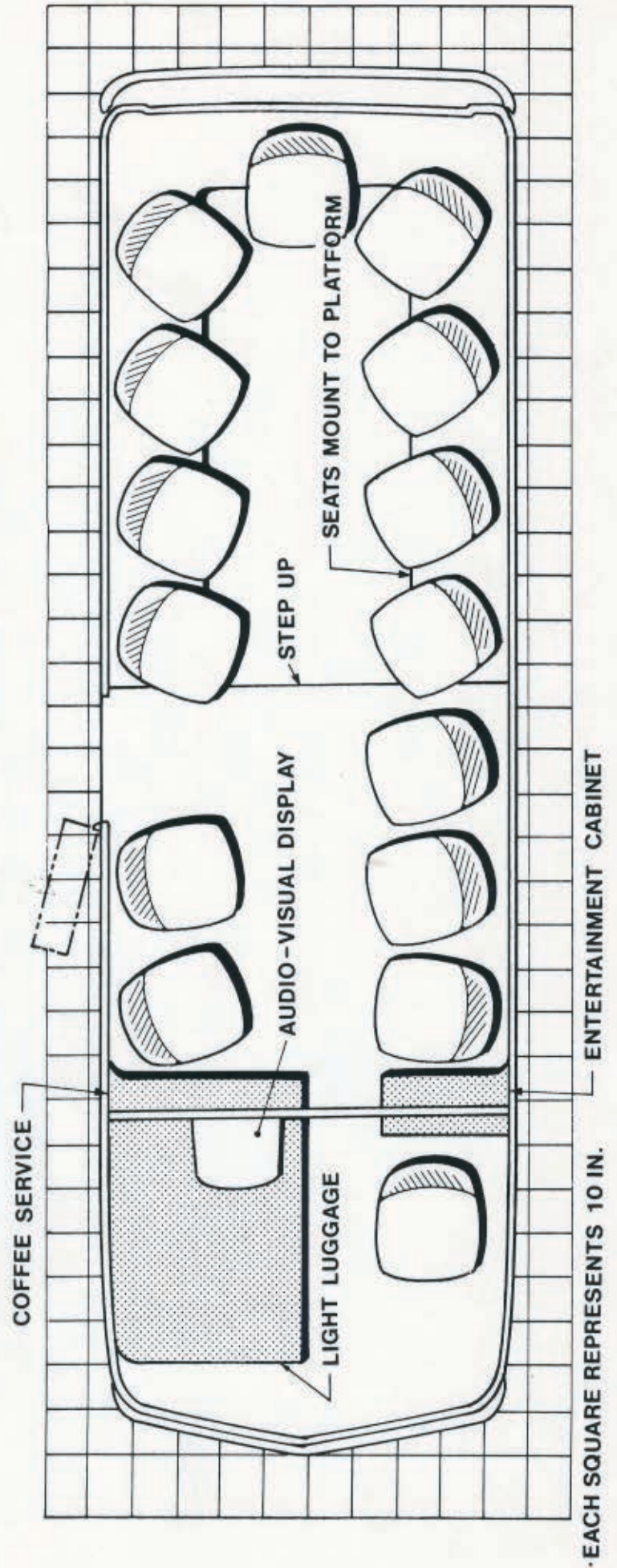
HEARSE



· EACH SQUARE REPRESENTS 10 IN. ·

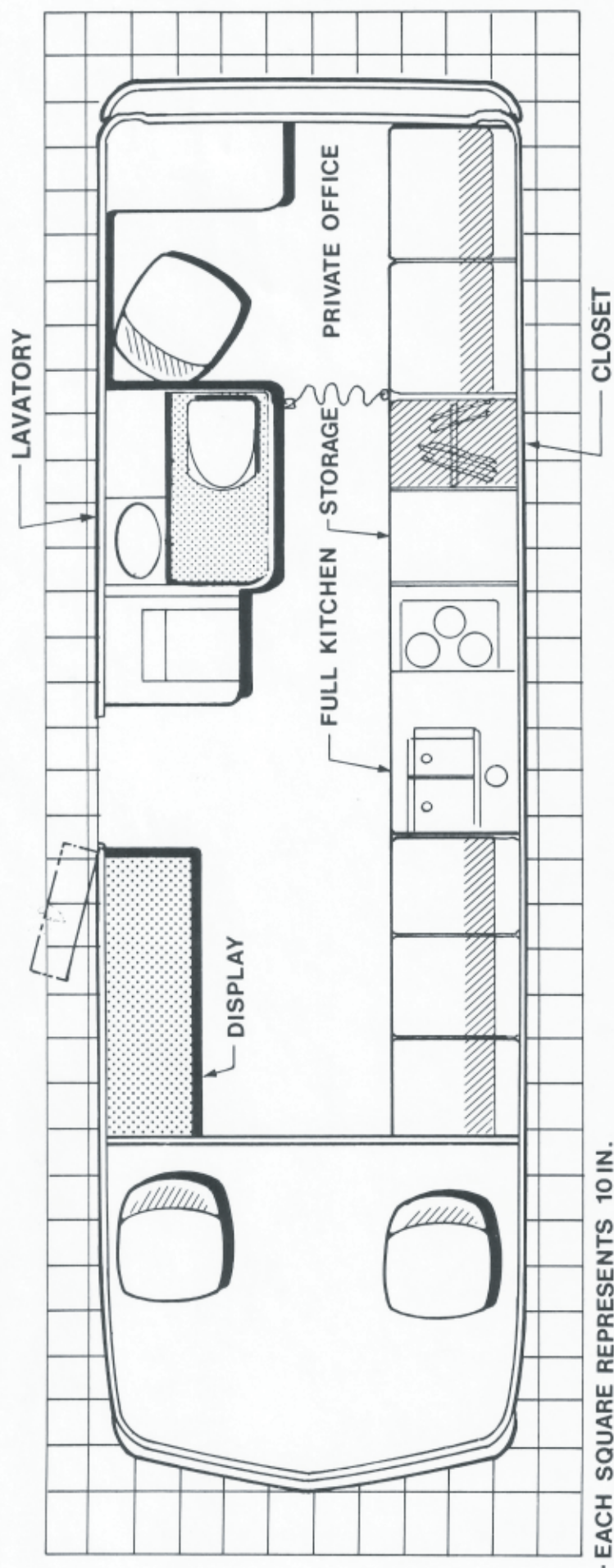
WORK SHEET

EXECUTIVE CONFERENCE & SHUTTLE UNIT



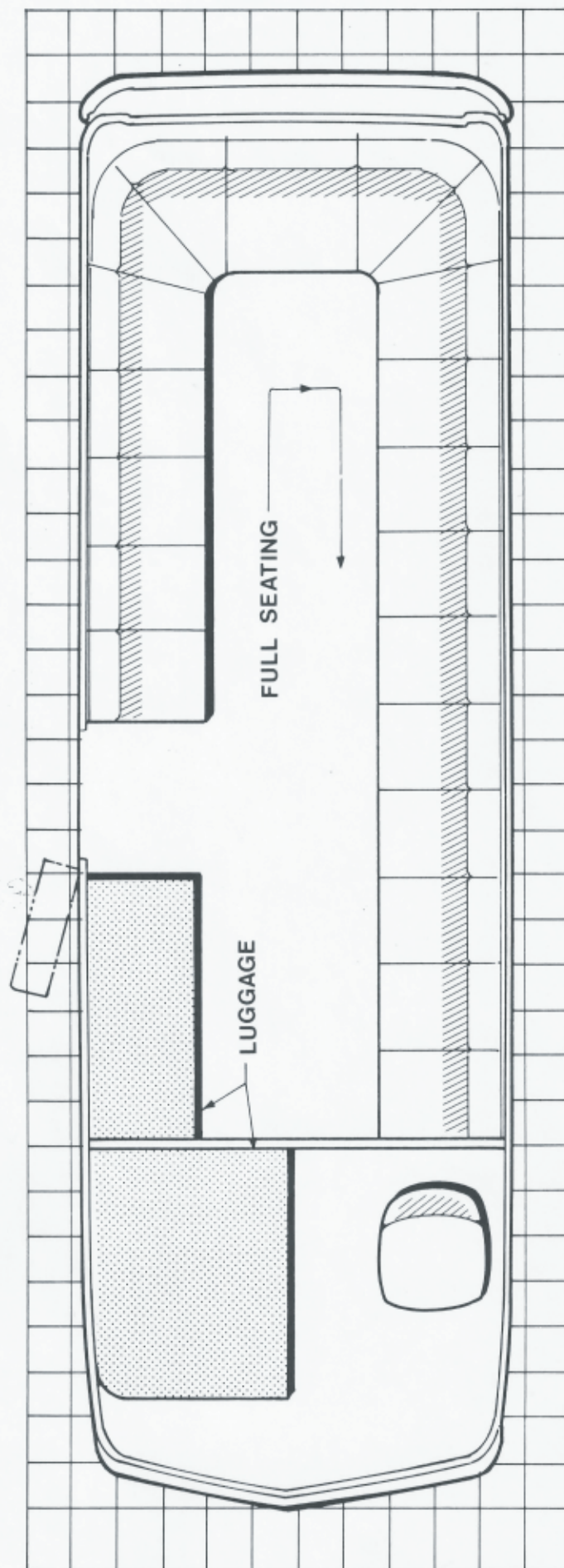
WORK SHEET

OFFICE UNIT



WORK SHEET

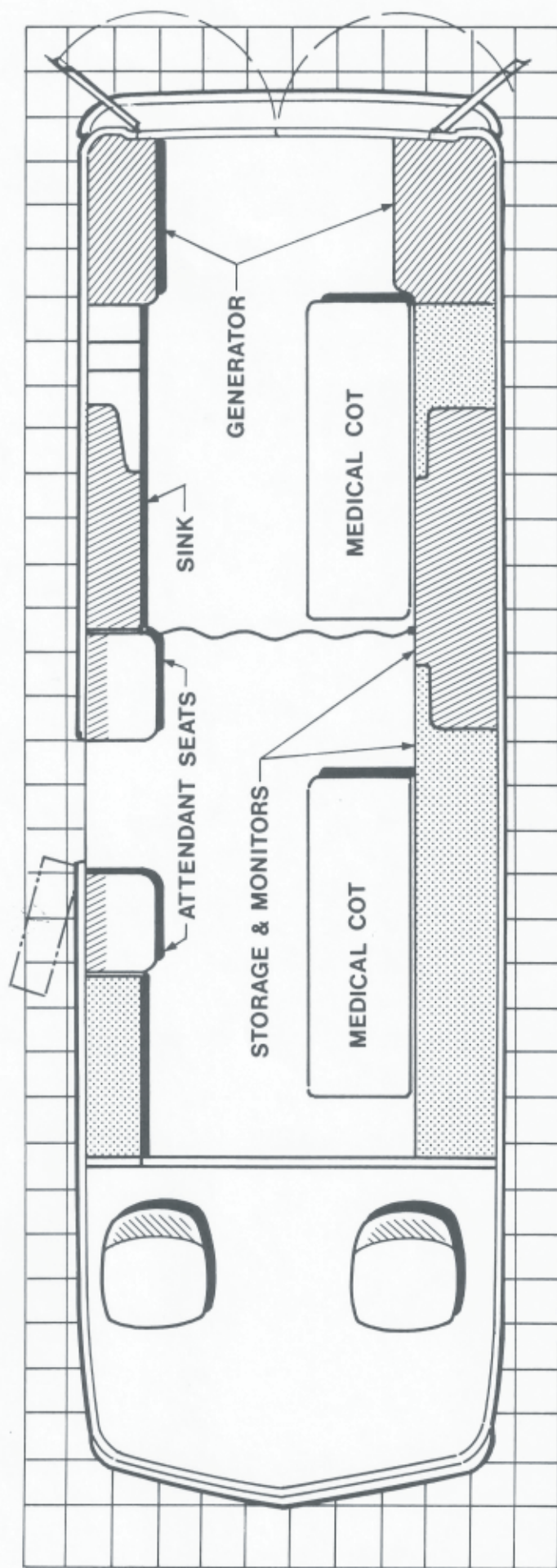
PASSENGER
CARRIER



EACH SQUARE REPRESENTS 10 IN.

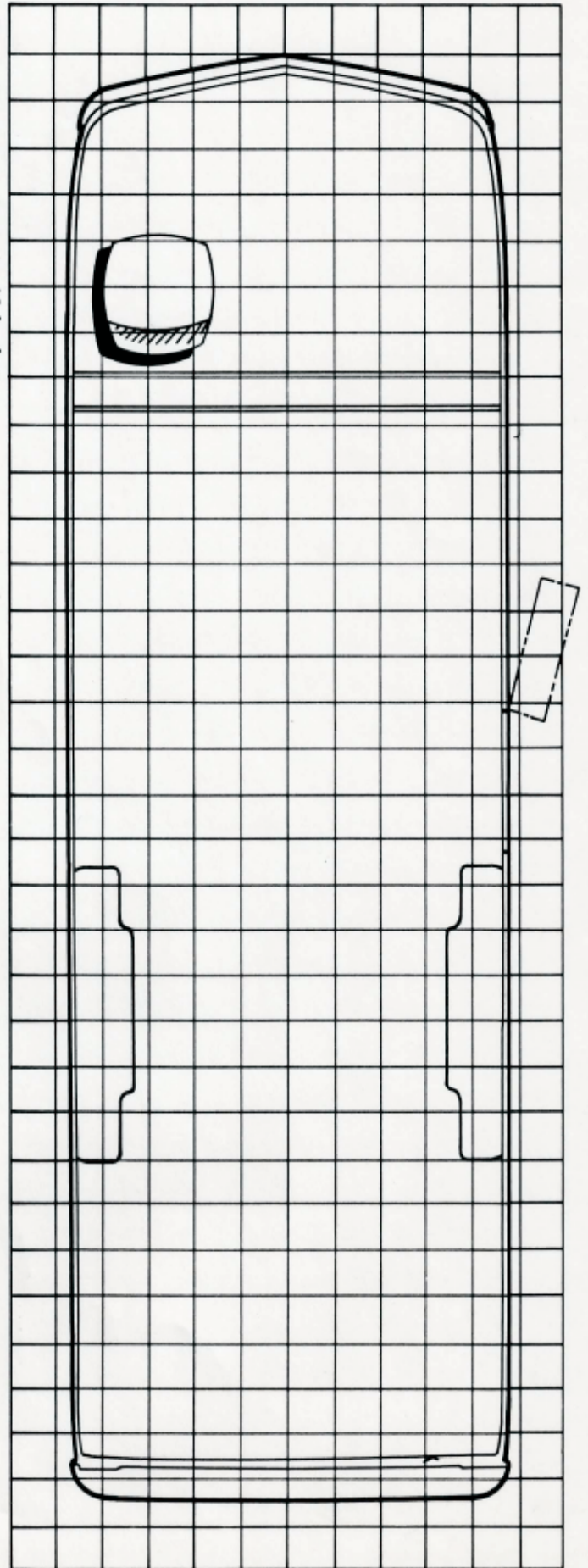
WORK SHEET

MEDICAL UNIT



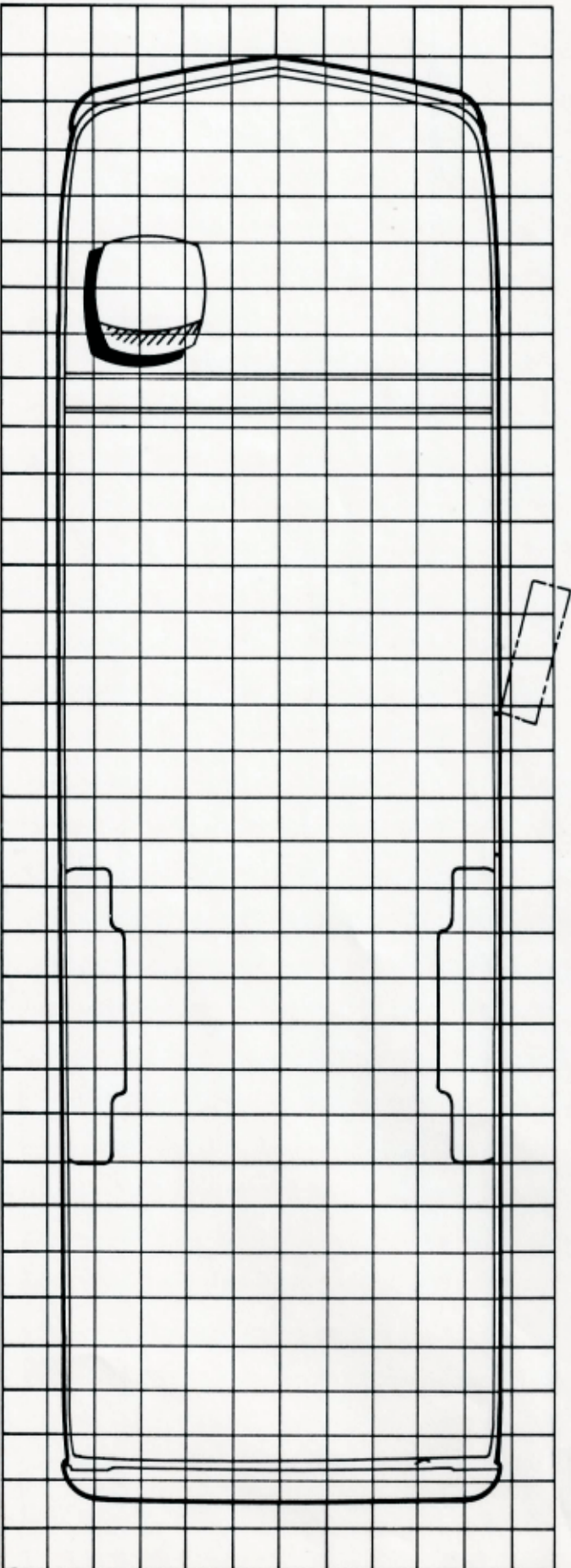
•EACH SQUARE REPRESENTS 10 IN.

26-FT. CONFIGURATION



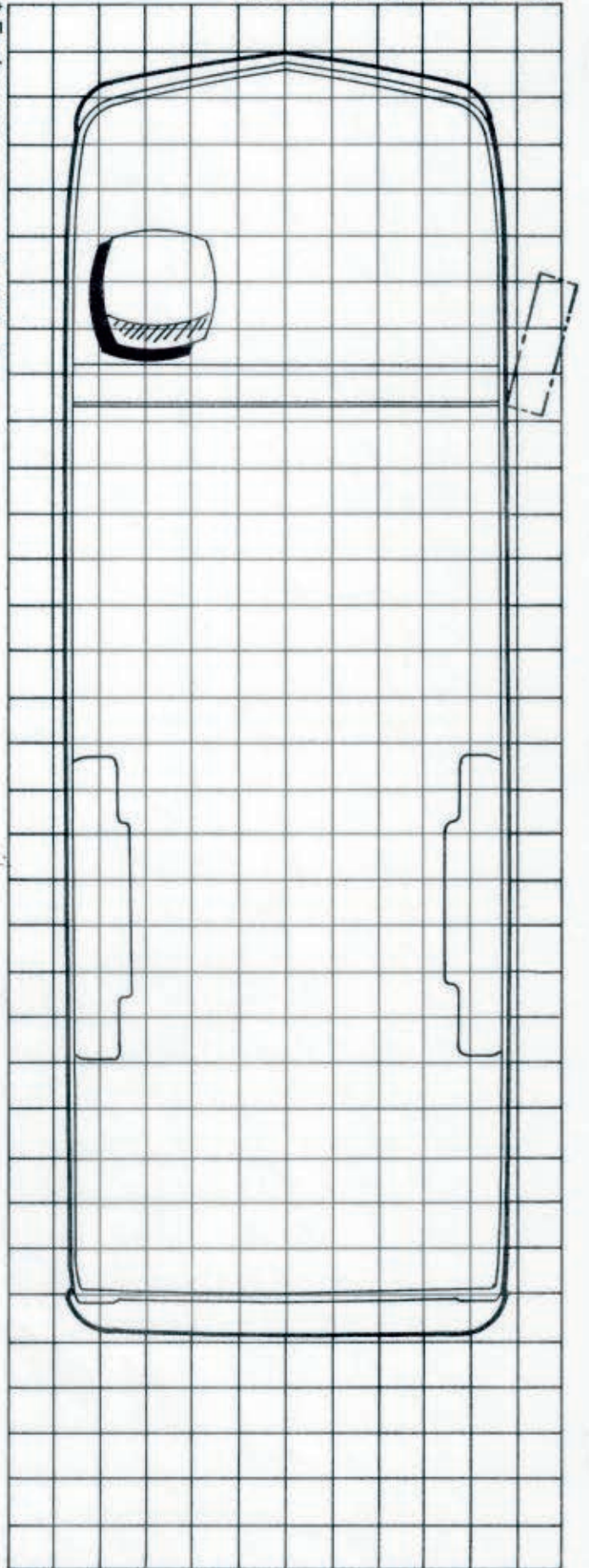
* Each square represents 10 inches.

26-FT. CONFIGURATION



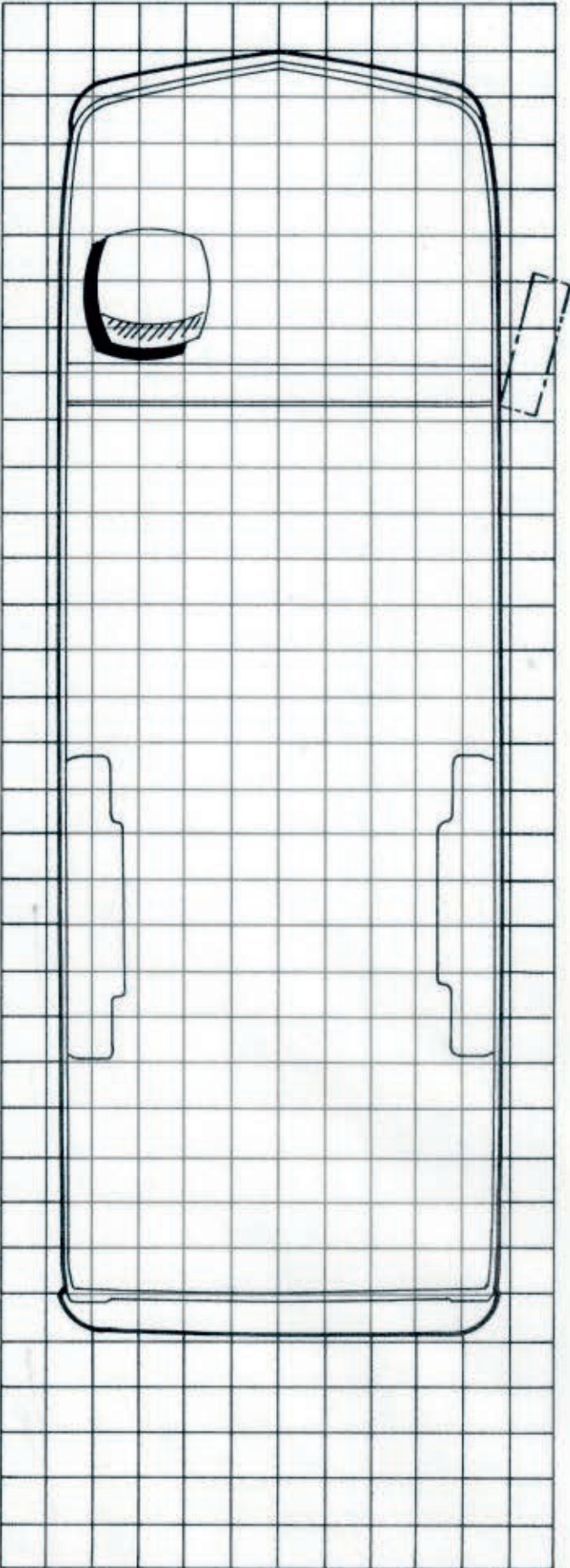
* Each square represents 10 inches.

23-FT. CONFIGURATION



* Each square represents 10 inches.

23-FT. CONFIGURATION



* Each square represents 10 inches.

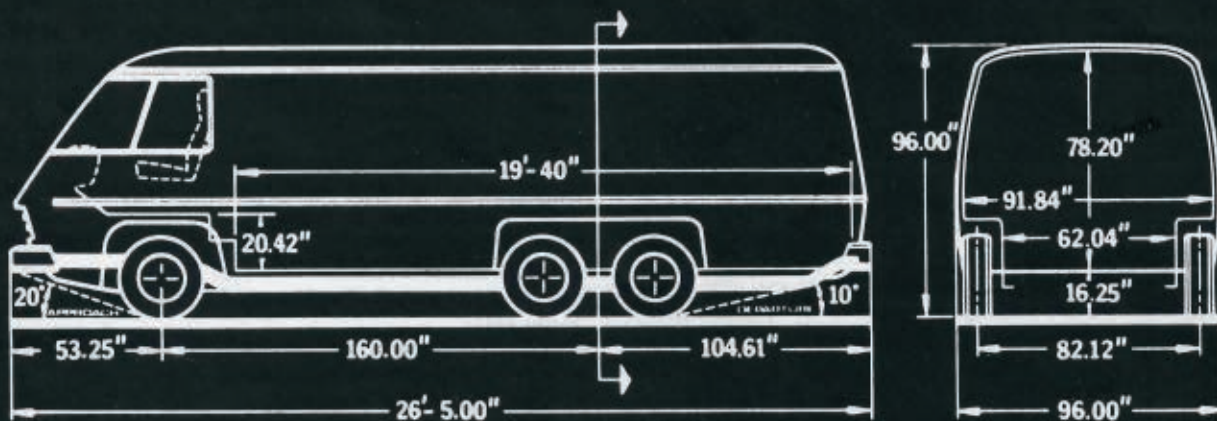
SPECIFICATIONS & OPTIONS

SPECIFICATIONS

GMC 26-FT.

TransMode COMMERCIAL

DIMENSIONS



WEIGHTS

GVWR

GAWR Front 4200
GAWR Rear 7500
GVWR 11,7000

TRANSMODE CHASSIS WEIGHT*

	Front	Inter- mediate	Rear	TOTAL
26-Ft. No RPO Content	3685	1550	1550	6785
Maximum RPO Content	3800	1765	1765	7330

*The weights given include full fuel, engine oil, and engine coolant, but empty holding, fresh water, and LPG tanks. No passengers, driver, luggage or cargo are aboard.

CHASSIS COMPONENTS

Frame. Ladder type, bolted frame with 6" x 2.50" x 0.125" channel SAE 950 steel side rails and SAE 950 steel channel crossmembers.
Bumpers. Formed steel, painted silver, 2-piece front and rear. Energy Absorbers — 2 front and 2 rear.

BRAKES

Disc front, Drum rear (4). Vacuum boosted, w/dual (split) system and a combination valve which differentiates and meters.

Effective Brake Lining Area.

Front 37.88 sq. in.

Rear 167.0 sq. in.

Brake Size.

Front (Disc type) 11" x 1.205"

Swept Area Per Axle (sq. in.) 210

Rear (Drum type—4) 11" x 2"

Swept Area Per Axle (sq. in.) 138

Total Swept Area (sq. in.) 486

REAR AXLE

Independently Suspended Tandem Wheels (non-driving).

Capacity — 7500 GAWR.

Air Suspension with leading and trailing arms. Two height control valves. One ea. side. Dana 2-cyl. air comp. Shock Absorbers. Four, 1" dia.

FRONT AXLE

Torsion Bar Suspension. Rated capacity 4200 lbs. GAWR.

Shock Absorbers. Two, 1" dia.

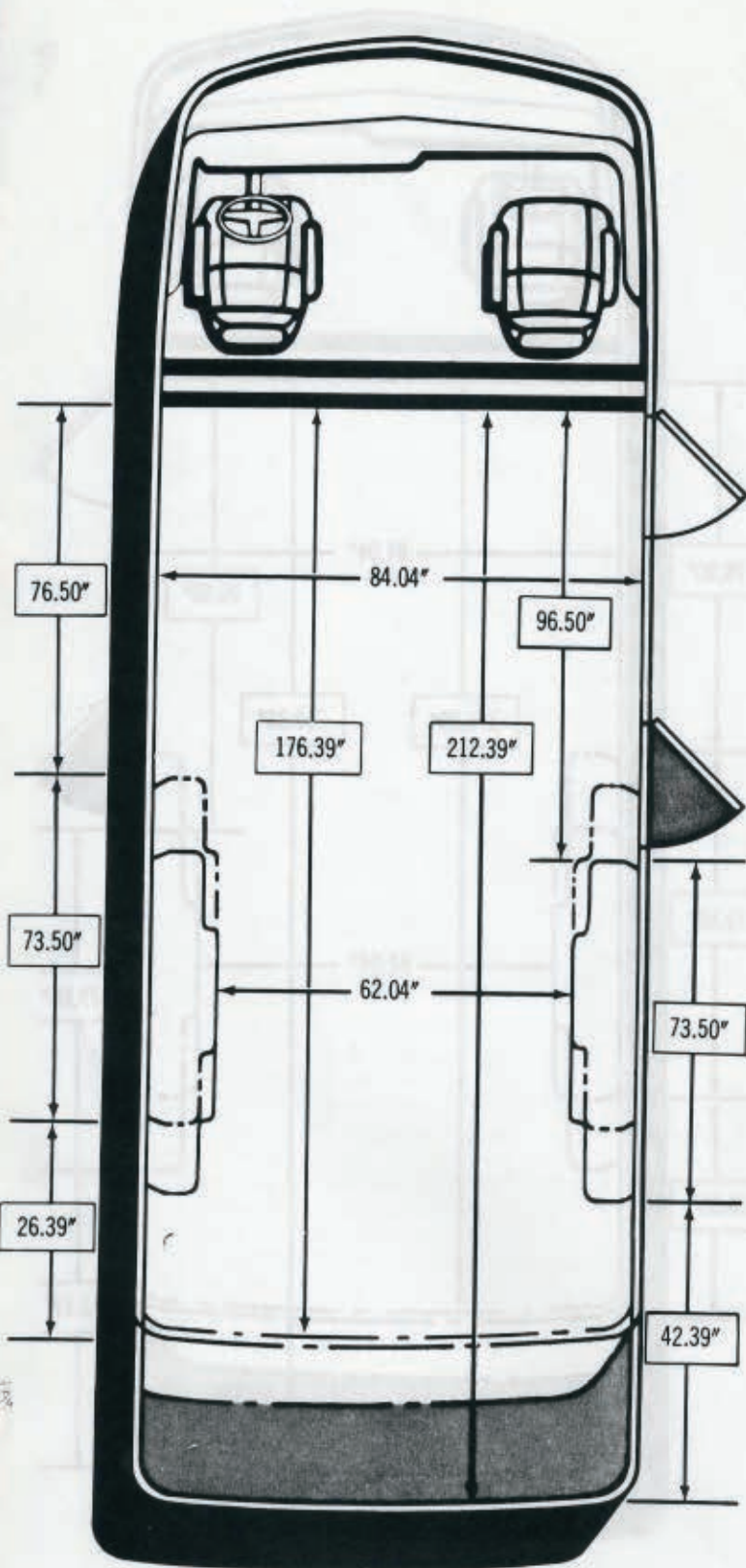
Steering. Integral Gear Power Assist (17.5:1 ratio).

Steering Column. Adjustable, tilt type.

Steering Wheel. 3-Spoke. 2.95 turns, lock to lock.

Turning Diameter. 56.41 ft. curb to curb.

Final Drive Ratio. 3.07:1.



LEGEND Dimensions for 23-ft. Model.
 Dimensions for 26-ft. Model.

Note: Dimensions shown are at floor level.

DRIVE LINE

ENGINE

Gasoline. GMC 455, 8 cylinder, V-type.
Net HP at RPM (SAE)212 at 3400
Net Torque (lbs. ft.) at RPM (SAE)344 at 2400
Comp. Ratio. 8.5:1.
Air Cleaner. Oiled paper element.
Cooling. Capacity: 21-qt. tube and center radiator;
9-lb. pressure cap. All season coolant, (-20°F); one
195°F thermostat; 19-in. 7-blade fan.
Emission Control. Conforms to Federal Standards.
Engine Oil Cooler.
High Energy Ignition System.
Oil Filter. Throwaway type. One qt.

FUEL AND EXHAUST

Fuel Tanks. Two 25 gal. tanks with fuel tank selector switch.
Exhaust. Dual mufflers and single tail pipe.

TRANSMISSION

Automatic. 3-Spd. Turbo-Hydramatic HMT425 with oil cooler. Ratios: (2.2:1 converter) 2.48, 1.48, 1.00; Rev. 2.07.

WHEELS — TIRES

Wheels. 16.5-6K. 8-stud with 6 1/2"-bolt circle.

Offset: 4.67"

Tires. (6) 8.75 x 16.5 (D Load Range) Biased Steel Belted Blackwalls. Max. Tire Capacity, 2350 (ea.).
Tools. Hydraulic jack, chain, leveling pad, handle/wheelwrench are stored in a tool bag under the rear facing dinette seat.

Fire Extinguisher — 2 1/2 lbs., rechargeable. Located in storage closet.

AUTOMOTIVE ELECTRICAL

Battery — 12 volt, 73-amp hr., for vehicle in engine compartment.

Battery Boost Switch — Momentary.

Alternator. 12-volt, 80-amp Delcotron.

Headlights — Single 7" High Intensity.

Amber Front Directional Signals & Parking Lamps.

Combination Stop, Tail, Turn & Backup Lamps.

License plate light at rear.

Five Amber Lamps; 2 Clearance, 3 Identification Markers Upper Front.

Five Red Lamps; 2 Clearance, 3 Identification Markers Upper Rear.

Side Marker Lamps, Front and Rear with Reflectors — (Front Flash with Turn Signals).

4-Way Emergency Flashers.

BODY

EXTERIOR

Paint — Urethane. "GMC" lettering on front and rear.
Heavy Gauge Aluminum extrusions form skeleton of monocoque-like body construction and are closely spaced over entire length.

Body Materials are Fiberglass front and rear caps and lower side panels; upper side panels and roof are constructed of aluminum panels.

Insulation in body sidewalls, roof, driver's compartment and rear end caps is sprayed polyurethane foamed in place.

Floor insulation is one-inch-thick urethane foam, poured in place and expanded between aluminum panels on the roadside and 3/4-inch plywood flooring.

Fiberglass insulated Motor Generator compartment and LPG Tank storage area.

DOORS

28-inch-wide side door with door-pull strap.

Rear, louvered access doors at driver's side Motor Generator compartment and passenger side LPG Tank storage area.

WINDOWS

Windshield — two-piece laminated. Glare resisting and heat absorbing Soft Ray tinting.

Driver Compartment Side Windows — solid tempered, one section slides, laminated with dark tinting.

Entrance Door Window — with dark tinting. Fixed.

Back Window — one-piece solid tempered. Dark tinted. Has push-out safety feature.

INTERIOR MATERIALS

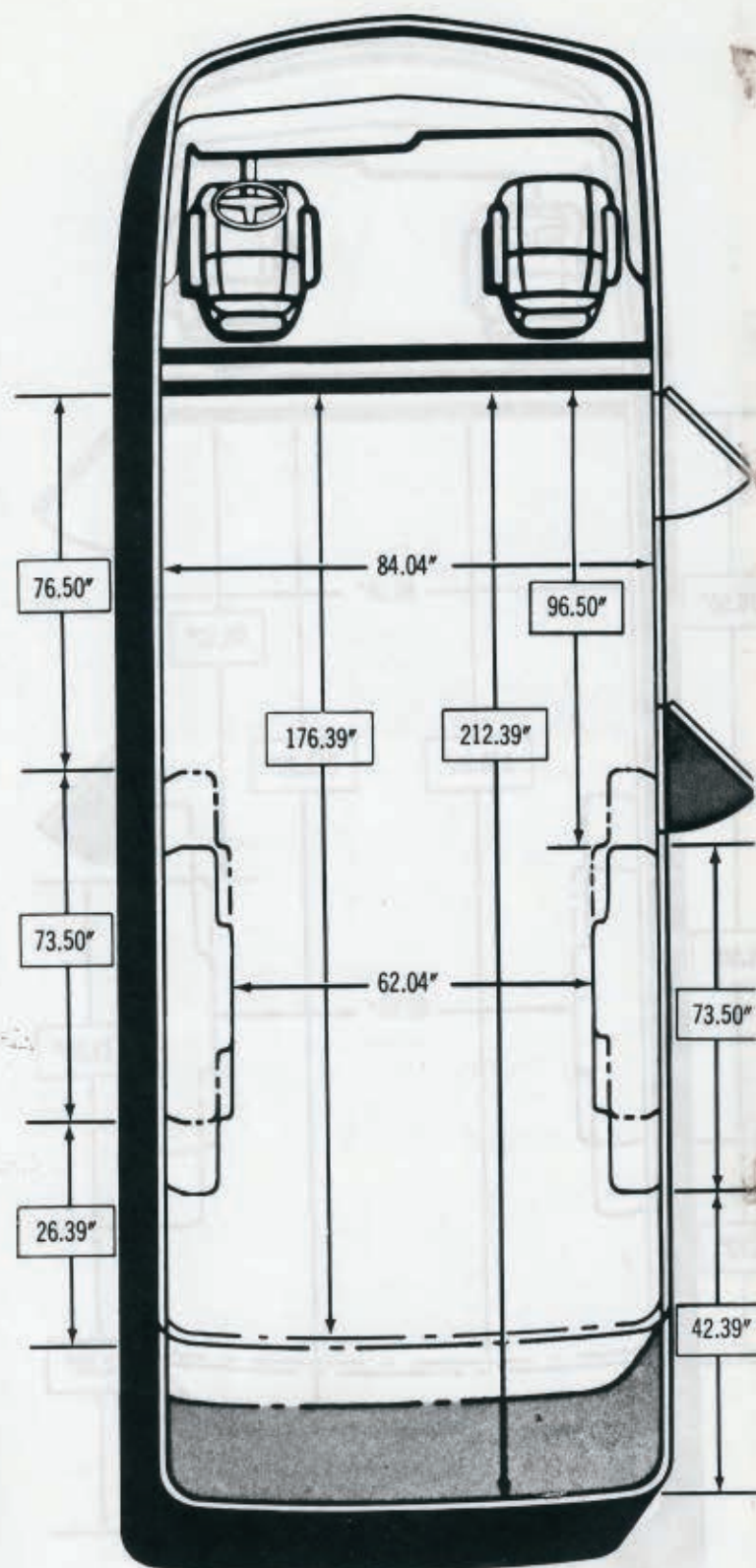
Driver's Compartment — Side Panels, ABS Plastic; Instrument Panel base, ABS Plastic; Instrument Panel covering, Vinyl clad foam backed; Instrument cluster bezel, woodgrained vinyl finish. Driver's Compartment Headliner, ABS Plastic.

DRIVER AND PASSENGER COMPARTMENT

Individual bucket seats by Bostrom — Adjustable, swivel-type with seat belts.

Automotive Features — Two painted outside rear vision mirrors (7 1/2" x 10 1/2"); Inside rearview mirror; Left and Right sun shades; driver and passenger map pockets with ash trays; map lights for driver and passenger; automotive heater and defroster with integral vent system; glove compartment with access panel to fuses; safety padded instrument panel.

Driver's Instruments and Controls — Hydraulically actuated Windshield Wipers have variable speed feature. Windshield Washer is electrically actuated. Heater and Defroster controls, headlamp switch and ignition switch are in standard GM position. Gauges include, Speedometer with miles-per-hour and kilometers-per-hour scales and odometer; fuel level; oil pressure and water temperature. Warning lights included are: generator, failure light in dual brake system, parking brake, door ajar, high beam and turn signal indicators. Key buzzer warning. Suspended accelerator and brake pedals, Orscheln brake parking brake control. Two lock keys — one for main entrance door, glove box, shore power access door and water fill; the second key is for the ignition.

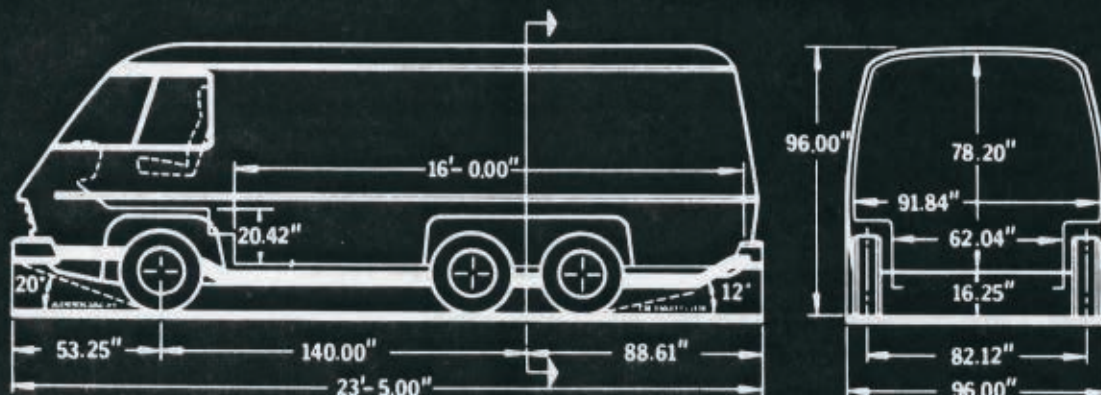


LEGEND Dimensions for 23-ft. Model.
 Dimensions for 26-ft. Model.
 Note: Dimensions shown are at floor level.

SPECIFICATIONS

GMC 23-FT. TransMode COMMERCIAL

DIMENSIONS



WEIGHTS

GVWR

GAWR Front 4200
GAWR Rear 7000
GVWR 10,500

TRANSMODE CHASSIS WEIGHT*

	Front	Inter- mediate	Rear	TOTAL
23-Ft. No RPO Content	3685	1360	1360	6405
Maximum RPO Content	3800	1550	1550	6900

*The weights given include full fuel, engine oil, and engine coolant, but empty holding, fresh water, and LPG tanks. No passengers, driver, luggage or cargo are aboard.

CHASSIS COMPONENTS

Frame. Ladder type, bolted frame with 6" x 2.50" x 0.125" channel SAE 950 steel side rails and SAE 950 steel channel crossmembers.

Bumpers. Formed steel, painted silver, 2-piece front and rear. Energy absorbers — 2 front and 2 rear.

BRAKES

Disc front, Drum rear (4). Vacuum boosted, w/dual (split) system and a combination valve which differentiates and meters.

Effective brake lining Area.

Front37.88 sq. in.

Rear167.0 sq. in.

Brake Size.

Front (Disc Type)11" x 1.205"

Swept Area Per Axle (sq. in.)210

Rear (Drum type — 4)11" x 2"

Swept Area Per Axle (sq. in.)138

Total Swept Area (sq. in.)486

REAR AXLE

Independently Suspended Tandem Wheels (non-driving).

Capacity — 7000 GAWR.

Air Suspension with leading and trailing arms. Two height control valves. One ea. side. Dana 2 cyl. air comp. Shock Absorbers. Four, 1" dia.

FRONT AXLE

Torsion Bar Suspension. Rated capacity 4200 lbs. GAWR.

Shock Absorbers, Two, 1" dia.

Steering. Integral Gear Power Assist (17.5:1 ratio).

Steering Column. Adjustable, tilt type.

Steering Wheel. 3-Spoke, 2.95 turns, lock to lock.

Turning Diameter. 50.2 ft. curb to curb.

Final Drive Ratio. 3.07:1.

DRIVE LINE

ENGINE

Gasoline. GMC 455, 8-cylinder, V-type.
Net HP at RPM (SAE)212 at 3400
Net Torque (lbs. ft.) at RPM (SAE)344 at 2400
Comp. Ratio. 8.5:1.
Air Cleaner. Oiled paper element.
Cooling. Capacity: 21-qt. tube and center radiator;
9-lb. pressure cap. All season coolant, (-20°F); one
195°F thermostat; 19-in. 7-blade fan.
Emission Control. Conforms to Federal Standards.
Engine Oil Cooler.
High Energy Ignition System.
Oil Filter. Throwaway type. One qt.

FUEL AND EXHAUST

Fuel Tanks. Two 25-gal. tanks with fuel tank selector
switch.
Exhaust. Dual mufflers and single tail pipe.

TRANSMISSION

Automatic. 3-Spd. Turbo-Hydramatic HMT425 with oil
cooler. Ratios: (2.2:1 converter) 2.48, 1.48, 1.00; Rev.
2.07.

WHEELS — TIRES

Wheels. 16.5-6K, 8-stud with 6 1/2"-bolt circle.
Offset: 4.67"
Tires. (6) 8.75 x 16.5 (D Load Range) Biased Steel Belt-
ed Blackwalls. Max. Tire Capacity, 2350 (ea.).
Tools. Hydraulic jack, chain, leveling pad, handle/
wheelwrench are stored in a tool bag under the rear
facing dinette seat.

AUTOMOTIVE ELECTRICAL

Battery — 12-volt, 73-amp hr., for vehicle in engine
compartment.
Battery Boost Switch — Momentary.
Alternator. 12-volt, 80-amp. Delcotron.
Headlights — Single 7" High Intensity.
Amber Frt. Directional Signals & Parking Lamps.
Combination Stop, Tail, Turn & Backup Lamps.
License plate light at rear.
Five Amber Lamps; 2 Clearance, 3 Identification
Markers Upper Front.
Five Red Lamps; 2 Clearance, 3 Identification Markers
Upper Rear.
Side Marker Lamps, Front and Rear with Reflectors —
(Front Flash with Turn Signals).
4-Way Emergency Flashers.

BODY

EXTERIOR

Paint — Urethane. "GMC" decal lettering on front and
rear.
Heavy Gauge Aluminum extrusions form skeleton of
monocoque-like body construction and are closely
spaced over entire length.
Body materials are Fiberglass front and rear caps and
lower side panels; upper side panels and roof are con-
structed of aluminum panels.
Insulation in driver's compartment.
Floor insulation is one-inch-thick urethane foam,
poured in place and expanded between aluminum
panels on the roadside and 3/4-inch plywood flooring.

DOORS

28-inch wide side door with door-pull strap.
Rear, louvered access doors at driver's side Motor
Generator compartment and passenger side LPG Tank
storage area.

WINDOWS

Windshield — two-piece laminated. Glare resisting and
heat absorbing. Soft Ray tinting.
Driver Compartment Side Windows — solid tempered,
one section slides, laminated with dark tinting.
Entrance-Door Window — with dark tinting. Fixed.
Back Window — one-piece solid tempered. Dark tinted.
Has push-out safety feature.

INTERIOR MATERIAL

Driver's Compartment — Side Panels, ABS Plastic; In-
strument Panel base, ABS Plastic; Instrument Panel
covering, Vinyl clad foam backed; Instrument cluster
bezel, woodgrained vinyl finish. Driver's Compartment
Headliner, ABS Plastic.

DRIVER AND PASSENGER COMPARTMENT

Individual bucket seats by Bostrom — Adjustable,
swivel-type with seat belts.
Automotive Features — Two painted outside rear
vision mirrors (7 1/2" x 10 1/2"); Inside rearview mirror;
Left and Right sun shades; driver and passenger map
pockets with ash trays; map lights for driver and
passenger; automotive heater and defroster with
integral vent system; glove compartment with access
panel to fuses; safety padded instrument panel.
Driver's Instruments and Controls — Hydraulically
actuated Windshield Wipers have variable speed
feature. Windshield Washer is electrically actuated.
Heater and Defroster controls, headlamp switch and
ignition switch are in standard GM position. Gauges
include: Speedometer with miles-per-hour and
kilometers-per-hour scales and odometer; fuel level; oil
pressure and water temperature. Warning lights
included are: generator, failure light in dual brake
system, parking brake, door ajar, high beam and turn
signal indicators. Key buzzer warning. Suspended
accelerator and brake pedals, Orscheln brake parking
brake control. Two lock keys — one for main entrance
door, glove box; the second key is for the ignition.

OPTIONS

DESCRIPTION	OPTION NUMBER	OPTION WT. FRT./REAR	DESCRIPTION	OPTION NUMBER	OPTION WT. FRT./REAR
EXTERIOR PAINT					
Cameo White	558	0/0	Sliding Side Door Window	APC	0/1
Yellow	580	0/0	Sliding Galley Area Window w/Screens*	APD	0/1
COMFORT AND CONVENIENCE ITEMS					
DRIVER'S AREA					
Air Conditioning			Modifications for Rear Bath. Include Side Sash and Glass, RPO APQ	BRR	N/A
Automotive Type	C70	75/0	Modifications for Right Hand Bath. Include Side Sash and Glass, RPO APQ	BRS	N/A
Cruise Control	K30	7/0	CUSTOM DRESS-UP ITEMS		
Radio. AM w/4 Speakers	UX1	20/-2	Skirts — Rear Suspension		
Radio. AM/FM Mono			Bellows	T58	0/5
w/4 Speakers	UX2	11/-1	Chrome Bumpers	V37	1/1
Radio. AM/FM Stereo			Mirrors. Stainless Steel	DJ8	0/0
w/4 Speakers	UX3	12/-1	Wheel Covers. Disc. (6)	P01	4/9
Radio. AM/Stereo w/Tape Player and 4 Speakers	UX4	17/-2	Wheel Covers. Disc. (7)	P02	2/13
Radio. AM/FM Stereo w/Tape Player and 4 Speakers	UX5	18/-2	EMISSION, CERTIFICATION AND EXPORT ITEMS		
Warning Light, Low Fuel Indicator	U41	0/0	California Emission Certification, must order NA9, NB4 and JV9 to comply with regulations	YF5	0/0
OPERATING CONVENIENCE ITEMS			Canister System in Fuel Line ...	NA9	2/0
Cooling — Fan Clutch	VQV	N/A	Exhaust Emission Control	NB4	0/0
Lamp. Eng. Comp.	U26	2/0	California Emission & Compliance Label	VJ9	0/0
Suspension Leveler Power Assisted	GYE	2/1	Pennsylvania Registration Data .	VXD	0/0
Trailer Wiring Harness	UPA	0/1	Export Label	ZX3	0/0
Aux. Motor Gen. — 6000-W Onan, Including Hr. Meter and Battery Enclosure	KNC	-148/545	WHEELS — TIRES		
LIVING AREA			8.75 x 16.5D, Biased Steel Belt B/W — Spare	ZTG	-26/67
Air Conditioning — Roof Mount			8.75 x 16.5D, Biased Steel Belt W/W — Front	XTK	1/0
— Duo Therm	CNL	85/52	—Rear	YTK	0/2
Windows — Side Sash & Glass			—Spare	ZTK	-26/68
—ZE06083	APQ	45/70	Spare Wheel	PNJ	-38/77
—ZE06583	APR	60/100	Carrier Spare Tire	P10	-11/22

*26-Ft. model only.

BODY DRAWINGS



TABLE OF CONTENTS

Introduction.....	2
Incomplete Vehicle Label & Documents	2
Federal Regulations—Tires.....	3
Vehicle Loading Instructions.....	4-6
Body Builder Drawing 23'	
Body Builder Drawing 26'	
Chassis Wiring Diagram	

This book has been designed as a source of basic information for the many manufacturers of equipment to be installed into the GMC TransMode Vehicle. It has been prepared to provide Body Builder Instruction drawings, a wiring diagram, and Vehicle Loading Instructions.

If you require additional data please contact MotorHome Sales Engineer, GMC Truck & Coach Division, 660 South Boulevard East, Pontiac, Michigan 48053.



PUBLISHED: APRIL, 1976

GMC TRUCK & COACH DIVISION

GENERAL MOTORS CORPORATION

660 South Boulevard East
PONTIAC, MICHIGAN 48053

INTRODUCTION

THE FEDERAL GOVERNMENT HAS ESTABLISHED MOTOR VEHICLE SAFETY STANDARDS for various categories of motor vehicles and motor vehicle equipment under the provisions of the National Traffic and Motor Vehicle Safety Act of 1966. The Act imposes important legal responsibilities on manufacturers, dealers, body builders and others engaged in the manufacturing and marketing of motor vehicles and motor vehicle equipment.

Questions dealing with the specific application of the Act or the standards to your business should be dis-

cussed with your legal counsel. This is particularly so because the standards and other requirements or interpretations are subject to change by the government agency in charge, the National Highway Traffic Safety Administration. New standards and amendments issued by the National Highway Traffic Safety Administration will appear in the Federal Register from time to time.

You may obtain the Federal Register, through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Incomplete Vehicles—Will have an incomplete vehicle label affixed to document for Incomplete Vehicles. Accompanying and attached to the inside cover of this document is the Incomplete Vehicle Document Supplement for GMC Commercial TransMode Vehicle. These documents are placed in a clear container, and shipped with the vehicle from the factory.

DOCUMENT FOR INCOMPLETE VEHICLE

INCOMPLETE VEHICLE MANUFACTURED BY
GENERAL MOTORS CORP.
DETROIT, MICHIGAN 48202 MONTH/YEAR.
VIN
GVWR
GAWR FRONT
GAWR 1ST INT.
GAWR 2ND INT.
GAWR REAR

THIS INCOMPLETE VEHICLE MAY BE COMPLETED INTO A "TRUCK"
"MULTIPURPOSE PASSENGER VEHICLE", OR "BUS"

238073

This document is furnished as required by government regulation to aid intermediate and final stage manufacturers in determining conformity to applicable Motor Vehicle Safety Standards. This document is not a substitute for knowledge of the requirements of these standards. Intermediate and final stage manufacturers should maintain current familiarity with all Motor Vehicle Safety Standards to be aware of their specific responsibilities as manufacturers in regard to each standard.

Any manufacturer that makes material alterations to this incomplete vehicle during the process of manufacturing the complete vehicle should be constantly vigilant to recognize all the effects, either direct or indirect, on other components, assemblies or systems caused by each such alteration. No alteration should be made to the incomplete vehicle which either directly or indirectly results in any component, assembly or system being in nonconformance with any applicable Motor Vehicle Safety Standard.

CANADA MOTOR VEHICLE SAFETY STANDARDS

The following statement, which is required by Section 6. (3) (a) of the Canadian Motor Vehicle Safety Regulations is applicable only to incomplete vehicles manufactured in or imported into Canada: THIS INCOMPLETE VEHICLE CONFORMS TO THE APPLICABLE CANADA MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF ITS MANUFACTURE SHOWN ABOVE. THE STANDARDS TO WHICH THIS INCOMPLETE VEHICLE CONFORMS IN FULL ARE DESIGNATED IN THE LIST OF FEDERAL MOTOR VEHICLE SAFETY STANDARDS ON PAGE 1 BY AN ASTERISK (*) IN THE COLUMN FOR THE BASIC TYPE OF INCOMPLETE VEHICLE.



PRINTED IN U.S.A.

460309

Models: Incomplete TransMode Vehicles, ZE06083 (23') & ZE06583 (26')

FEDERAL REGULATIONS—TIRES

The National Highway Traffic Safety Administration has issued regulations dealing with tire identification and record keeping which became effective May 22, 1971. Under these regulations important legal responsibilities are imposed upon tire manufacturers, brand name owners, retreaders, distributors and dealers, and motor vehicle manufacturers and dealers, to maintain and/or report certain information concerning tires. This information will be used to facilitate the notification of purchasers of defective or non-conforming tires so that they may take appropriate action in the interest of safety. If you have any questions concerning the application of these regulations to your business, we suggest you consult with your attorney.

In order for GM to meet its responsibility under these tire regulations, we have a record of the tires on each vehicle we shipped to you. If you do not change a tire on a GM vehicle, it is important that you make sure that it is reshipped with the same tires that were on it when the vehicle was received by you. This will mean that any tires which you remove from a vehicle during the course of your work should be put back on the same vehicle.

If you do change a tire on a GM vehicle, it is necessary that you furnish us with such information on vehicles which are returned to us after you have completed your work. It is important that you report to us the full tire identification number (TIN) for each tire you install and the full vehicle identification number (VIN) of the vehicle on which the tire is installed.

In case you should receive a defect notification from a tire manufacturer concerning tires which you installed on a vehicle returned to us, you may forward it to us so that we can send it to the vehicle owner whose name will appear in our records.

VEHICLE LOADING

A vehicle identification number plate is attached to each TransMode Vehicle and shows the Gross Vehicle Weight

Rating (or GVWR) and the front and rear Gross Axle Weight Ratings (or GAWR's) for each particular vehicle.

○

GENERAL MOTORS CORPORATION

○

WARRANTY MAY BE VOIDED IF WEIGHT EXCEEDS ANY OF RATINGS SHOWN. GROSS VEHICLE WEIGHT INCLUDES WEIGHT OF BASE VEHICLE, ALL ADDED EQUIPMENT, DRIVER AND PASSENGERS, AND ALL PROPERTY LOADED INTO OR ONTO VEHICLE.

RATINGS IN POUNDS - AS MANUFACTURED

GROSS VEHICLE WEIGHT FOR THIS VEHICLE

MAXIMUM FRONT END WEIGHT AT GROUND

MAXIMUM REAR END WEIGHT AT GROUND

VEHICLE IDENTIFICATION NO.

○

○

Vehicle Identification Plate

The Gross Vehicle Weight Rating (GVWR) represents the recommended maximum weight of the completed vehicle and its total load. This total load includes all items added to the vehicle after it has left the factory, all fluids, the driver and occupants of designated seating positions and everything and anything that is loaded into (or onto) the vehicle.

The Gross Axle Weight Ratings (GAWR's) represent the recommended maximum weight that each axle system can carry. These capacities include by axle, all of the same items considered in the determination of the Gross Vehicle Weight Rating.

To provide satisfactory and safe service the actual weight of a completed vehicle and its total load should never exceed its GVWR, and the sum of a vehicle's GAWR's should always equal or exceed its GVWR. Therefore if the sum of a vehicle's GAWR's equals its GVWR then each axle may be loaded to its maximum capacity, since the

GVWR on such vehicle would not be exceeded.

If the sum of a vehicle's GAWR's exceeds its GVWR then each axle may not be loaded to its maximum capacities, since the GVWR on such a vehicle would be improperly exceeded, but each axle could be loaded so that the sum of the weights over each axle does not exceed the vehicle's GVWR.

A GMC Motor Home Dealer can advise you concerning proper loading conditions of your vehicle.

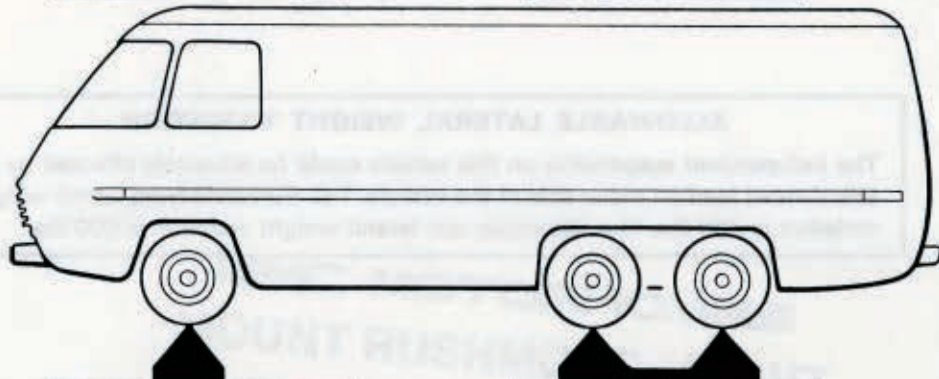
Actual front and rear end weights at the ground can only be determined by weighing the vehicle. This can be accomplished through highway weigh stations or other such commercial facilities. For assistance in this regard, consult a GMC MotorHome Dealer. Care should also be exercised to see that the cargo load is distributed on both sides of the centerline of the vehicle as equally as possible.

VEHICLE LOADING (Continued)

GVWR RATING 10,500 LBS.

FRONT GAWR
4,200 LBS.

REAR GAWR
7,000 LBS.



*FRONT CURB	3,800 LBS.
FRONT CARGO & PASS. LOAD	400 LBS.
TOTAL	4,200 LBS.

*REAR CURB	3,100 LBS.
REAR CARGO & PASS. LOAD	3,900 LBS.
TOTAL	7,000 LBS.

MAXIMUM TOTAL WEIGHT AT GROUND 10,500 LBS.

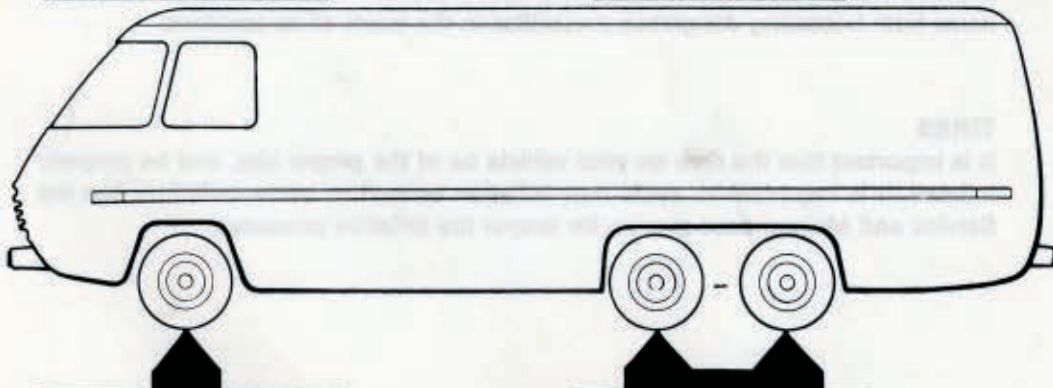
*Curb weight is the maximum weight of the vehicle (as manufactured by GMC) without driver, passengers, or cargo but does include fuel and coolant.

23' ZE06083

GVWR RATING 11,700 LBS.

FRONT GVWR
4,200 LBS.

REAR GAWR
7,500 LBS.



*FRONT CURB	3,800 LBS.
FRONT CARGO & PASS. LOAD	400 LBS.
TOTAL	4,200 LBS.

*REAR CURB	3,530 LBS.
REAR CARGO & PASS. LOAD	3,970 LBS.
TOTAL	7,500 LBS.

MAXIMUM TOTAL WEIGHT AT GROUND 11,700 LBS.

*Curb weight is the maximum weight of the vehicle (as manufactured by GMC) without driver, passengers, or cargo but does include fuel and coolant.

26' ZE06583

VEHICLE LOADING (Continued)

EFFECT ON WARRANTY

Your new Vehicle Warranty does not apply to any part of your vehicle "which has been subject to misuse". Any part which fails because of overloading has been subject to misuse within the meaning of this provision of the warranty.

ALLOWABLE LATERAL WEIGHT VARIATION

The independent suspension on this vehicle could be adversely affected by an unbalanced load on either side of the vehicle. The allowable front lateral weight variation is 250 lbs. The allowable rear lateral weight variation is 600 lbs.

COMMERCIAL TRANSMODE VEHICLE WEIGHT DISTRIBUTION

	23 FT.	26 FT.
Front GAWR	4,200	4,200
Rear GAWR	7,000	7,500
GVWR	10,500	11,700
Allowable Front Lateral Weight Variation	250	250
Allowable Rear Lateral Weight Variation	600	600

NOTE: When using your vehicle to transport luggage or other cargo, it is recommended that the articles be secured in place. This precaution will help prevent such items from becoming dangerous projectiles in the event of an accident.

TIRES

It is important that the tires on your vehicle be of the proper size, and be properly inflated. It is important to avoid over-inflation as well as under-inflation. See the Service and Maintenance section for proper tire inflation pressures.

CIRCUIT BREAKER

----- BROKEN LINES & SPECIFIED RPD. DENOTE WIRG & PARTS OTHER THAN STD & NOT IN STD WIRG HARN ASMT'S

* BUS BAR PART OF FUSE BLOCK ----- FUSE BLOCK PART OF INSTR PANEL HARN

① 6 WAY MULTIPLE CONNECTOR ----- CRUISE CONTROL ----- UNDER INSTR PANEL AT STEERING COLUMN

② 3 WAY MULTIPLE CONNECTOR ----- CRUISE CONTROL ----- UNDER INSTR PANEL AT STEERING COLUMN

③ JUNCTION BLOCK (FUSIBLE LINK) ----- RELATED CIRCUITS ----- ENGINE COMPARTMENT-DASH PANEL UPPER R/L SIDE

④ SINGLE LINE CONNECTOR ----- RELATED CIRCUITS

⑤ 4 WAY MULTIPLE CONNECTOR ----- INSTR PANEL HARN TO FRONT ROOF HARN ----- UNDER INSTR PANEL UPPER L/R SIDE

⑥ LINE CIRCUIT BREAKER ----- CIRCUIT PROTECTOR FOR LIVING AREA BATTERY ----- ENGINE COMPARTMENT-DASH PANEL UPPER R/L SIDE

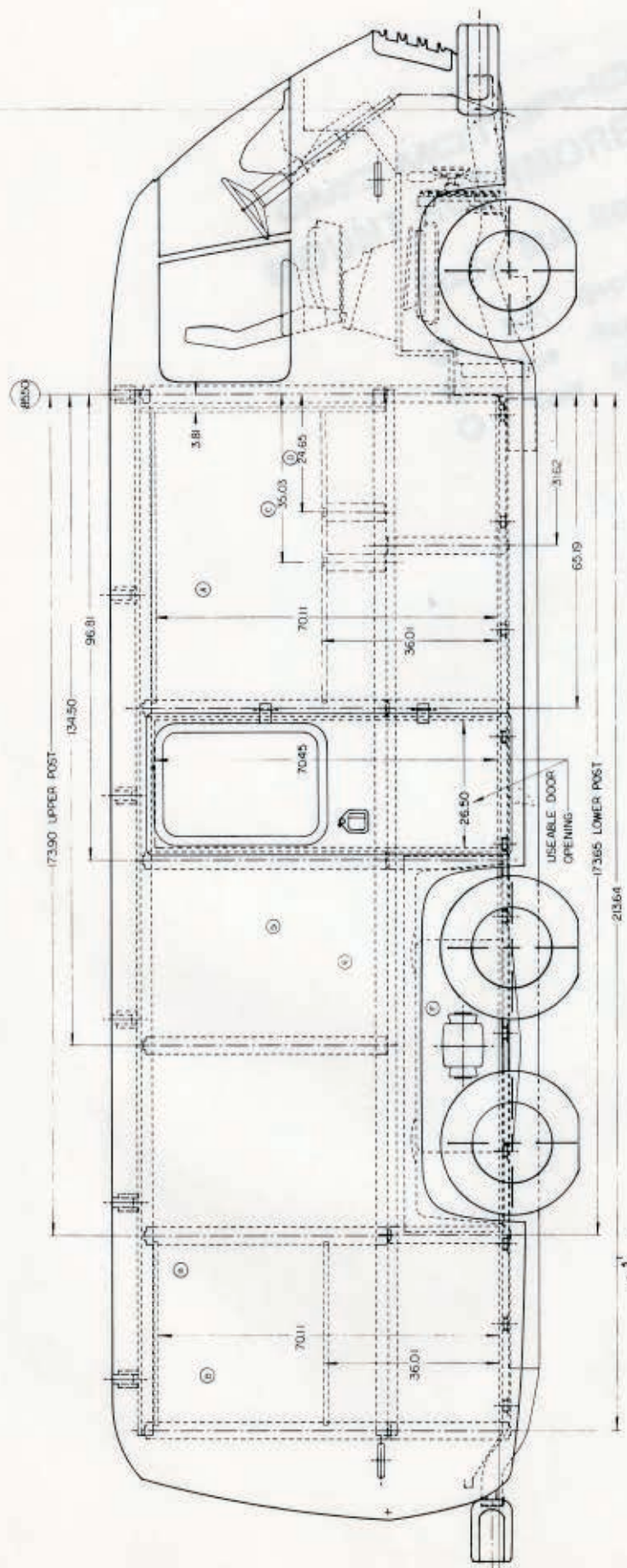
⑦ 2 WAY MULTIPLE CONNECTOR ----- AMBIENT SWITCH FOR AIR CONDITIONING ----- PART OF HEATER/AIR CONDITIONING UNIT

⑧ 2 WAY MULTIPLE CONNECTOR ----- INSTR PANEL HARN TO LEVEL CONTROL HARN ----- UNDER INSTR PANEL AT STEERING COLUMN

DATE	REVISION	BY	NO	REV
7/1/72	1	WJH	1	1
7/1/72	2	WJH	2	2
7/1/72	3	WJH	3	3
7/1/72	4	WJH	4	4
7/1/72	5	WJH	5	5
7/1/72	6	WJH	6	6
7/1/72	7	WJH	7	7
7/1/72	8	WJH	8	8
7/1/72	9	WJH	9	9
7/1/72	10	WJH	10	10
7/1/72	11	WJH	11	11
7/1/72	12	WJH	12	12
7/1/72	13	WJH	13	13
7/1/72	14	WJH	14	14
7/1/72	15	WJH	15	15
7/1/72	16	WJH	16	16
7/1/72	17	WJH	17	17
7/1/72	18	WJH	18	18
7/1/72	19	WJH	19	19
7/1/72	20	WJH	20	20

DO NOT SCALE DRAWING			
F-115 FORM 1-115 FROM 1-115 ETC			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
ALL TWO PLACE DECIMALS			
ALL THREE PLACE DECIMALS			
DATE	11-6-75	SCALE	1/8" = 1"
DESIGNED BY	WJH	CHECKED BY	WJH
REFERENCE	MD-12919	DATE	7/1/72
MATERIAL			
NAME			
PART NO			
MD-12923			
E			

SERVICE DETERMINATION	
1-SERVICE SUBJECT PART 2	
1-NOT SERVICE USE	
2-CAN REPLACE	
FIELD NUMBER	12923



DATE	BY	CHKD	APPD	REV	DATE	BY	CHKD	APPD	REV

DO NOT SCALE DRAWING
 PUNCH HOLES FOR 1/2" DIA. RODS
 ALL DIMENSIONS IN INCHES
 UNLESS OTHERWISE SPECIFIED

DATE: 8-18-74
 BY: [Signature]
 CHKD: [Signature]
 APPD: [Signature]

PROJECT: 2E 06583
 DRAWING: 2E 06583
 SHEET: 2

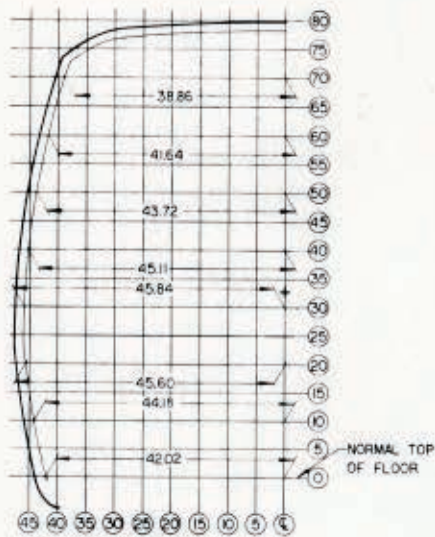
SERVICE DETERMINATION	
1. SERVICE DETERMINATION	26
2. SERVICE DETERMINATION	MD 12760
3. SERVICE DETERMINATION	E

MD 12760

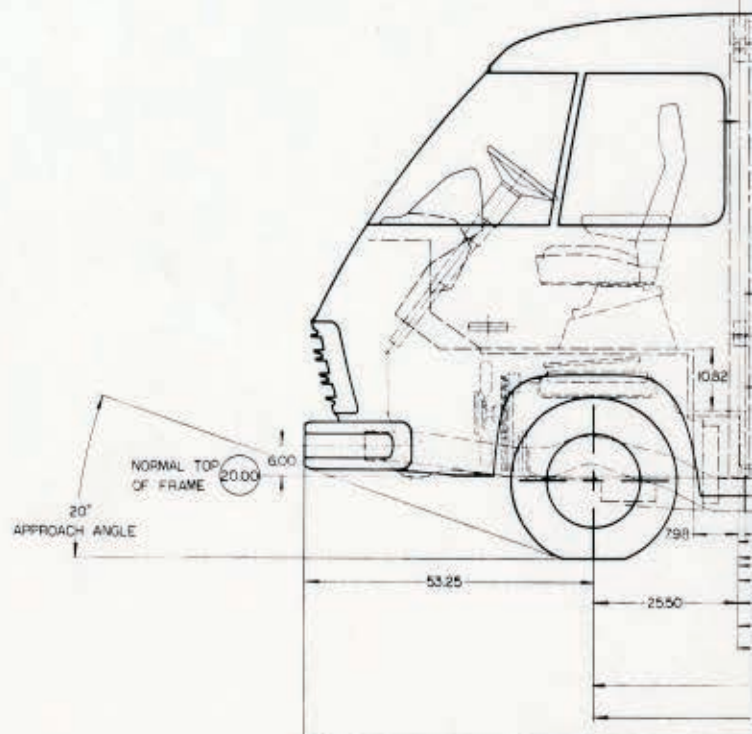
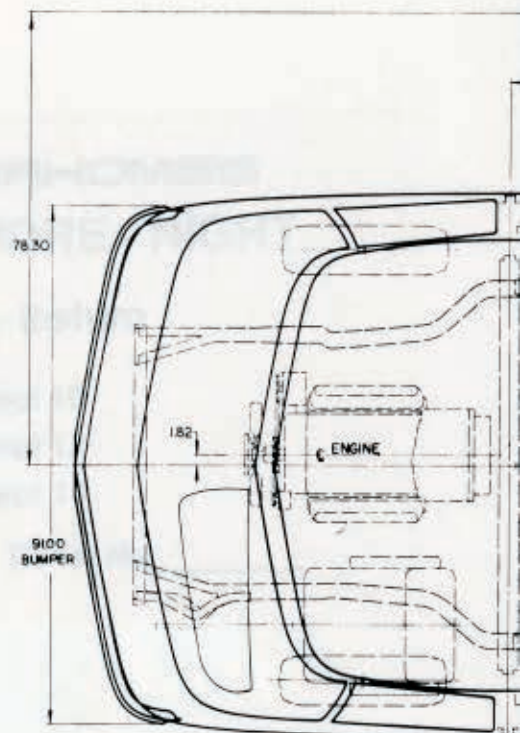
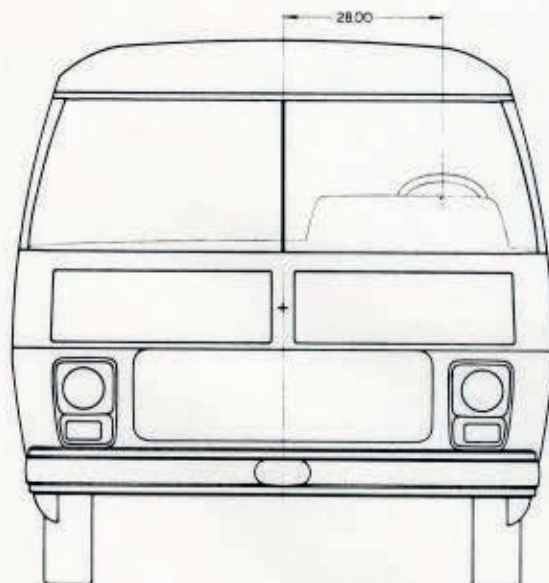
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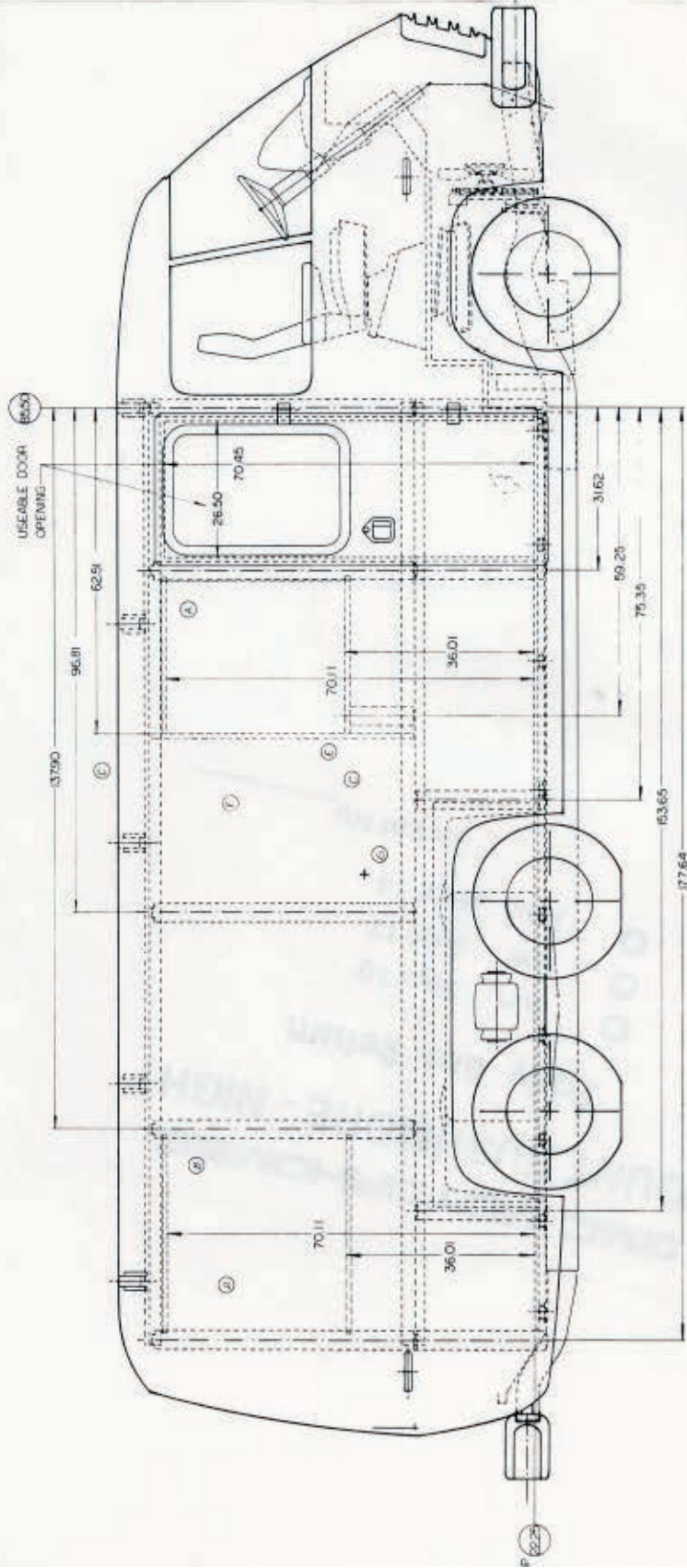
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2



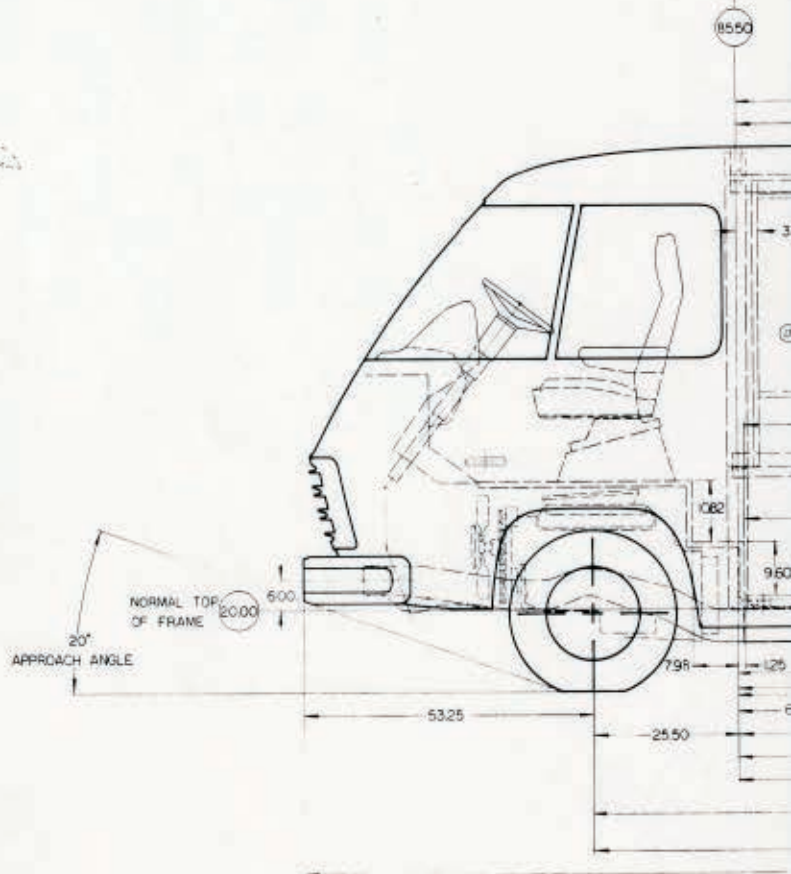
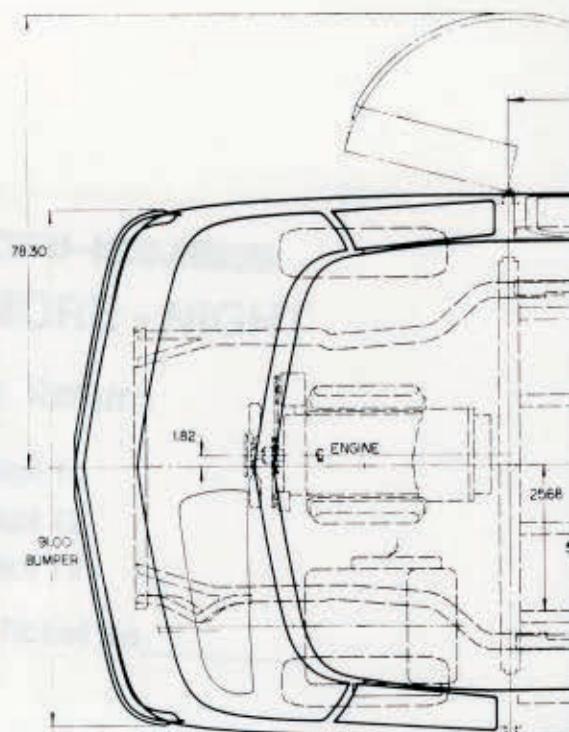
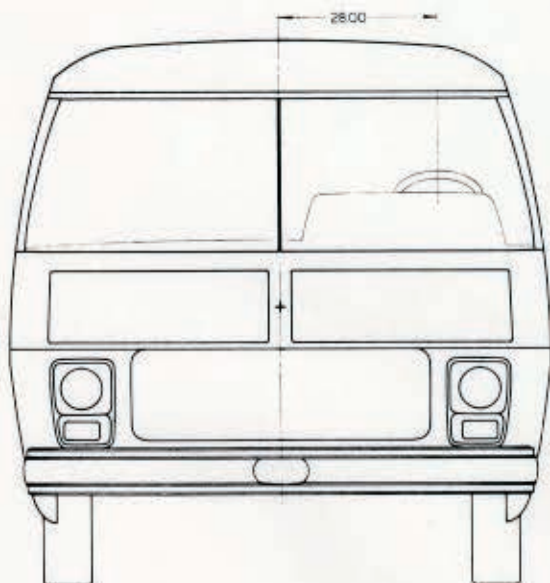
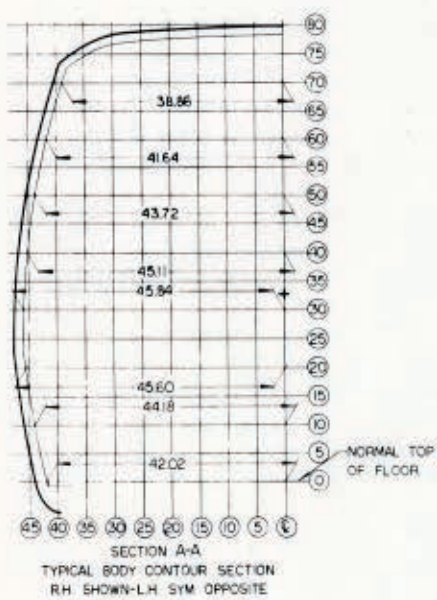
SECTION A-A
TYPICAL BODY CONTOUR SECTION
R.H. SHOWN-L.H. SYM OPPOSITE





DATE	DESIGN	SCALE	PROJECT
10/10/14	MD 12761	1:1	MD 12761
PROJECT NAME: MD 12761 PROJECT NUMBER: MD 12761 PROJECT LOCATION: MD 12761 PROJECT DESCRIPTION: MD 12761			
PROJECT MANAGER: MD 12761 PROJECT ENGINEER: MD 12761 PROJECT ARCHITECT: MD 12761			
PROJECT STATUS: MD 12761 PROJECT PHASE: MD 12761 PROJECT BUDGET: MD 12761			
PROJECT NOTES: MD 12761 PROJECT COMMENTS: MD 12761 PROJECT REVISIONS: MD 12761			

SERVICE INFORMATION	
1. SERVICE SUBJECT NAME	MD 12761
2. SERVICE SUBJECT TYPE	MD 12761
3. SERVICE SUBJECT LOCATION	MD 12761
4. SERVICE SUBJECT STATUS	MD 12761



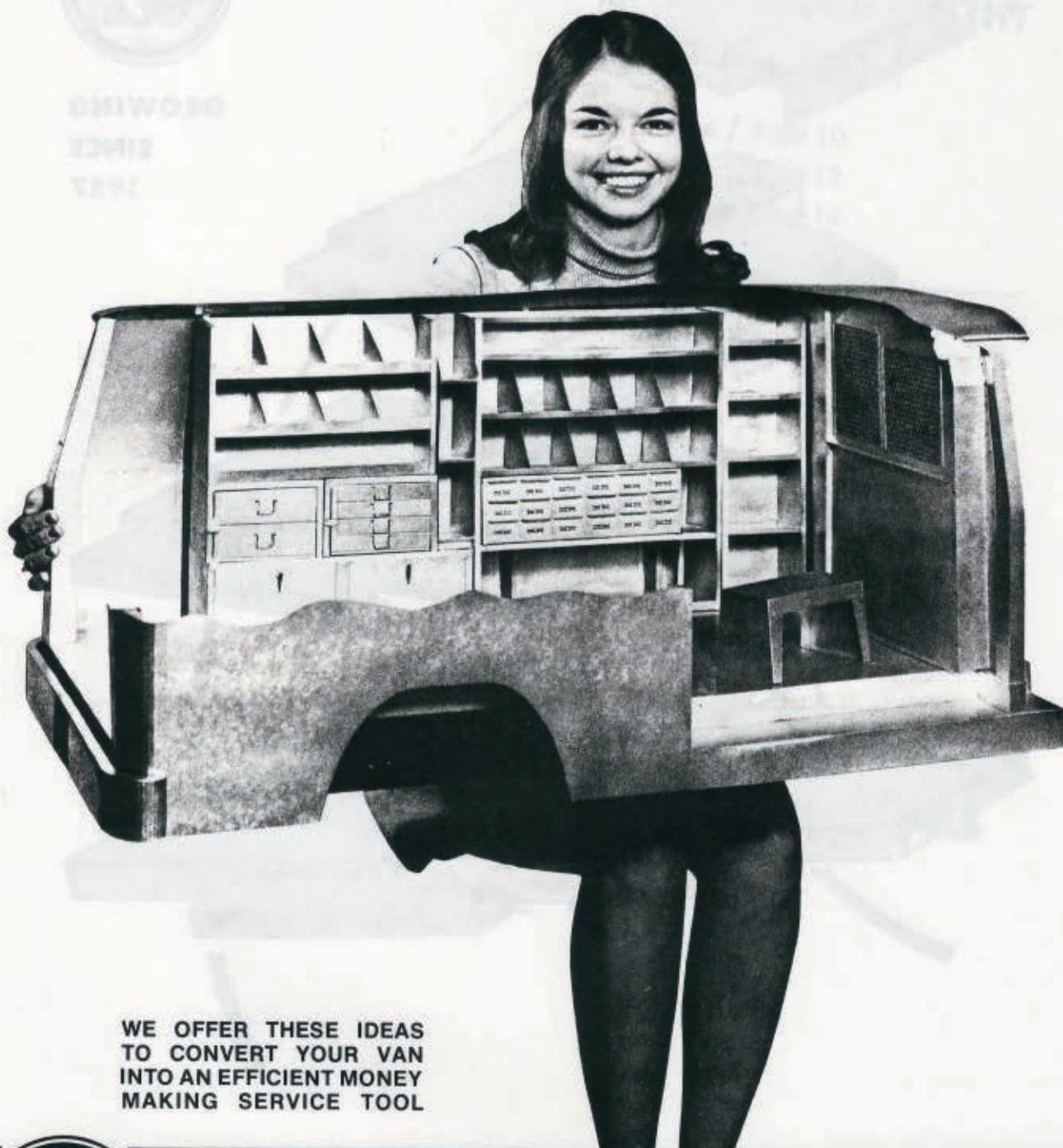
LITERATURE

Each upfitter listed in the
Classification Section with an asterisk
has a brochure in this section.

It is his way of showing
what he has done
and an example of his work.



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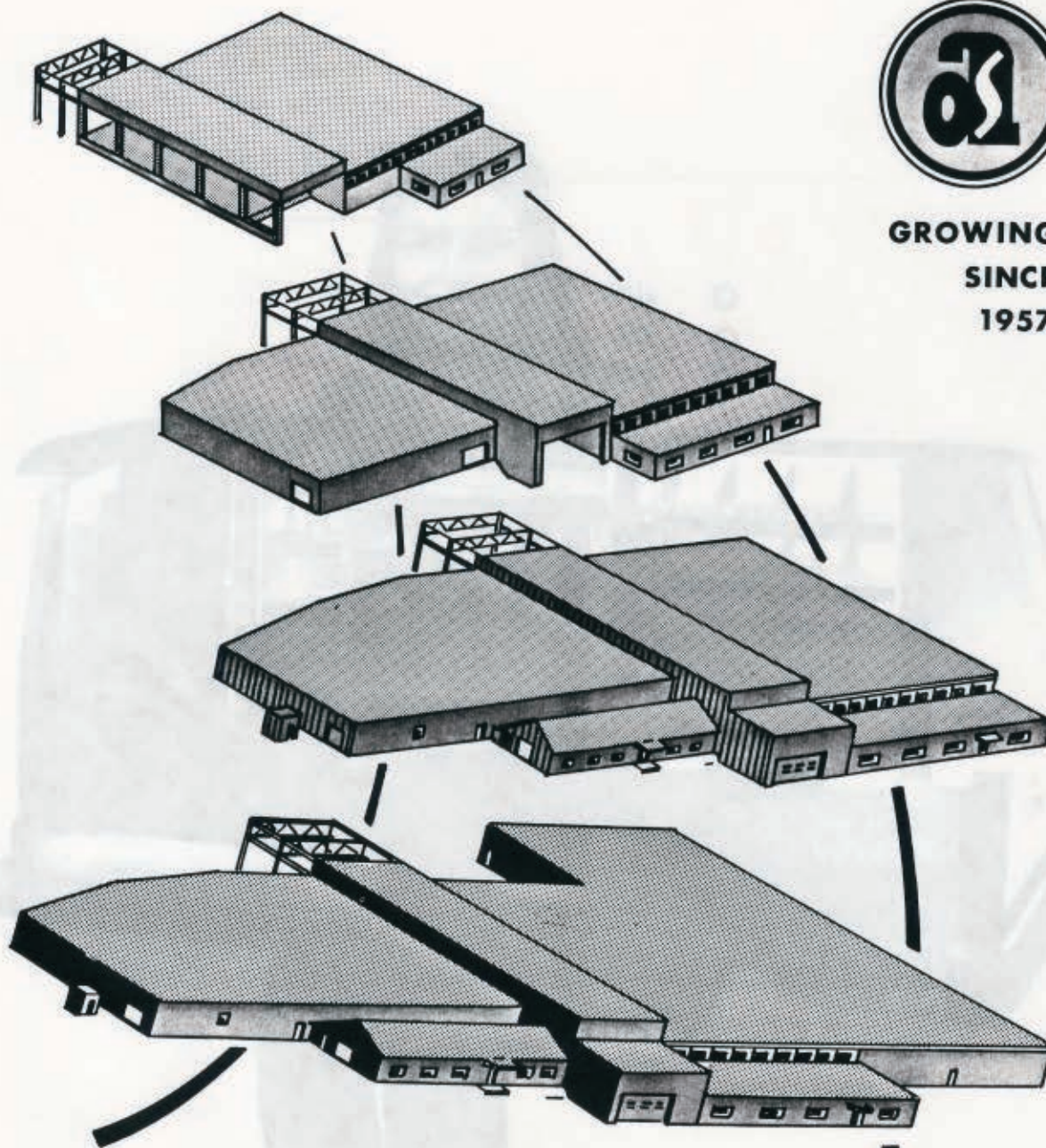
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CONTENTS

Modular Catalog 7M75

Partitions, Cargo Cab.....	2
Drawer Units	3
Shelving and Bins	4
Utility Shelf Racks	5
Cabinets and File Shelves	6
Screens, Book Files, Trays, Miscellaneous	7

Accessories	8
Basket and Rail Support Units.....	9
Heavy Duty, Quick Release Ladder Racks.....	10
Econo Ladder Racks and Accessories.....	11
Modular Cabinet Prepackaged Arrangements.....	12-15



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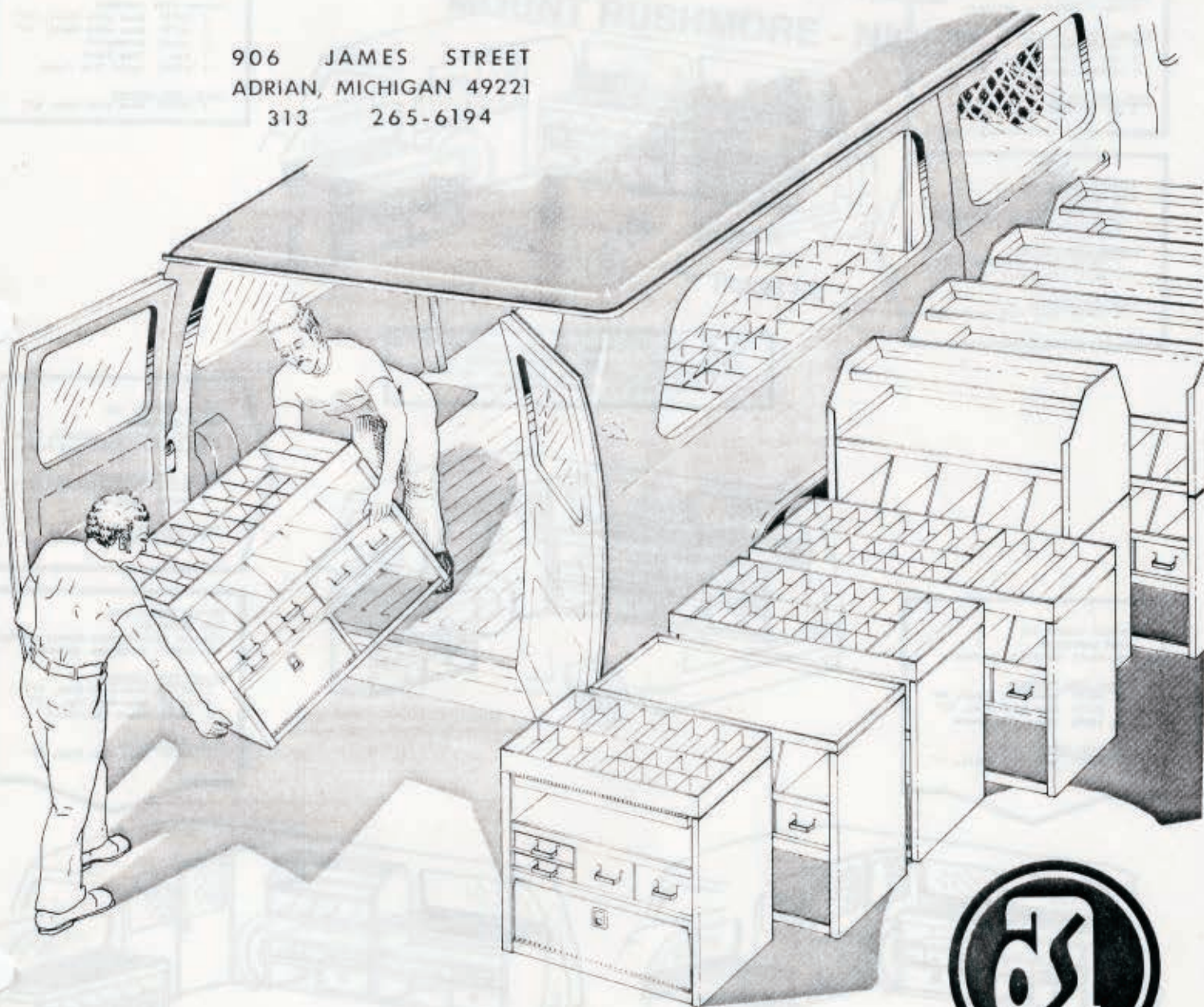


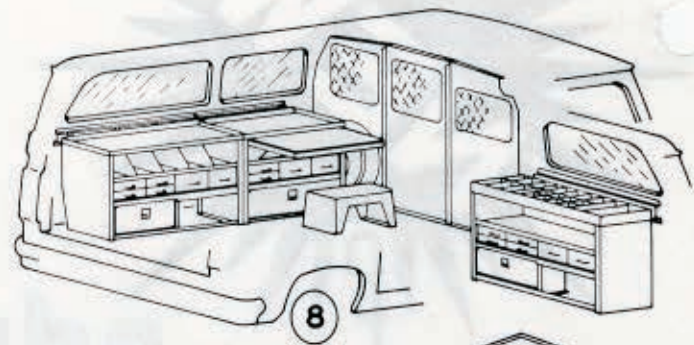
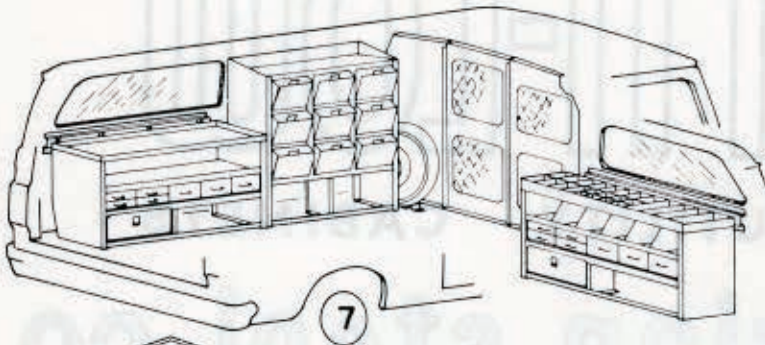
HI-LOW

UTILITY CABINETS

from adrian steel co.

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ADRIAN, MICHIGAN 49221
313 265-6194





DISPLAY WINDOW VAN
LONG WHEELBASE
(Cabinet Covers Front Street Window)
S1-M3-C3 Partition Optional

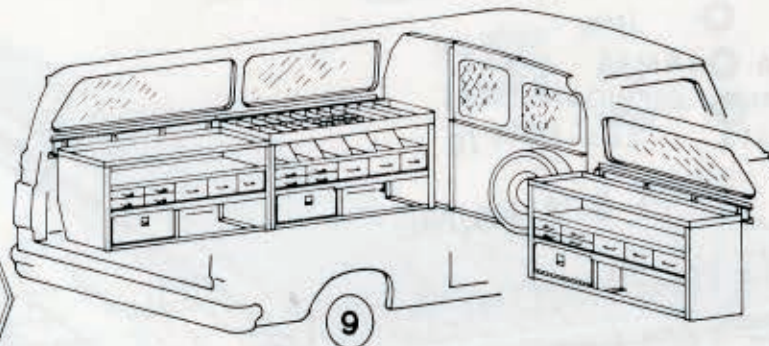
Street Side Cabinets
1 #6758 Base with Shelf, 52"
1 #449 Tote Bin, 42"
1 #5091 Spare Tire Check

Curb Side Cabinet
1 #6753 Base with Tray, 52"

DISPLAY WINDOW VAN
SHORT WHEELBASE
S2-M2-C2 Partition Optional

Street Side Cabinets
1 #6757 Base with Shelf, 42"
1 #6756 Base with Shelf, 32"
1 #6683 Workbench
1 #14 Step Stool
1 #5091 Spare Tire Check

Curb Side Cabinet
1 #6754 Base with Tray, 42"

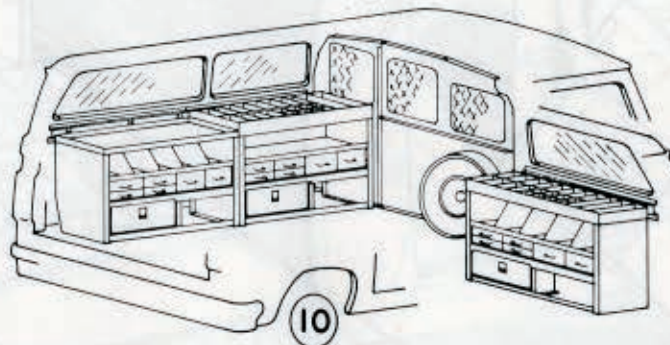


DISPLAY WINDOW VAN
LONG WHEELBASE
S1-M2 Partition Optional, with
Spare Tire Mounted Curb Side

Street Side Cabinets
1 #6758 Base with Shelf, 52"
1 #6755 Base with Tray, 52"

Curb Side Cabinet
1 #6758 Base with Shelf, 52"

IF ONE OF THE HI-LOW INTERIORS ILLUSTRATED SUIT
YOUR REQUIREMENTS, YOU MAY SIMPLIFY ORDERING BY
REFERRING TO THE NUMBER OF THE INTERIOR. PARTITIONS
SHOWN ARE NOT INCLUDED IN THE INTERIOR PRICE.



DISPLAY WINDOW VAN
SHORT WHEELBASE
S2-M2 Partition Optional, with
Spare Tire Mounted Curb Side

Street Side Cabinets
1 #6757 Base with Shelf, 42"
1 #6754 Base with Tray, 42"

Curb Side Cabinet
1 #6754 Base with Tray, 42"

DISPLAY WINDOW VAN
SHORT WHEELBASE
S2-M3-C2 Partition Optional

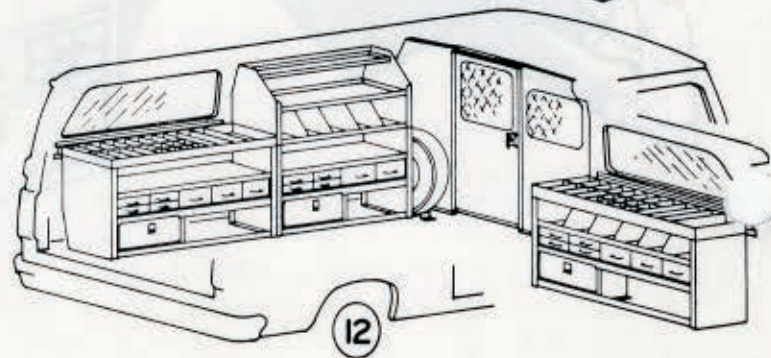
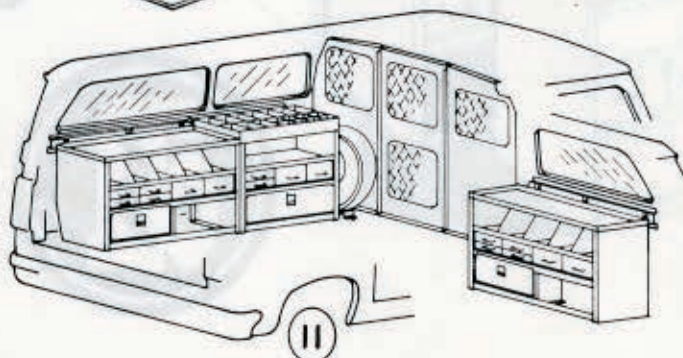
Street Side Cabinets
1 #6757 Base with Shelf, 42"
1 #6753 Base with Tray, 52"
1 #5091 Spare Tire Check

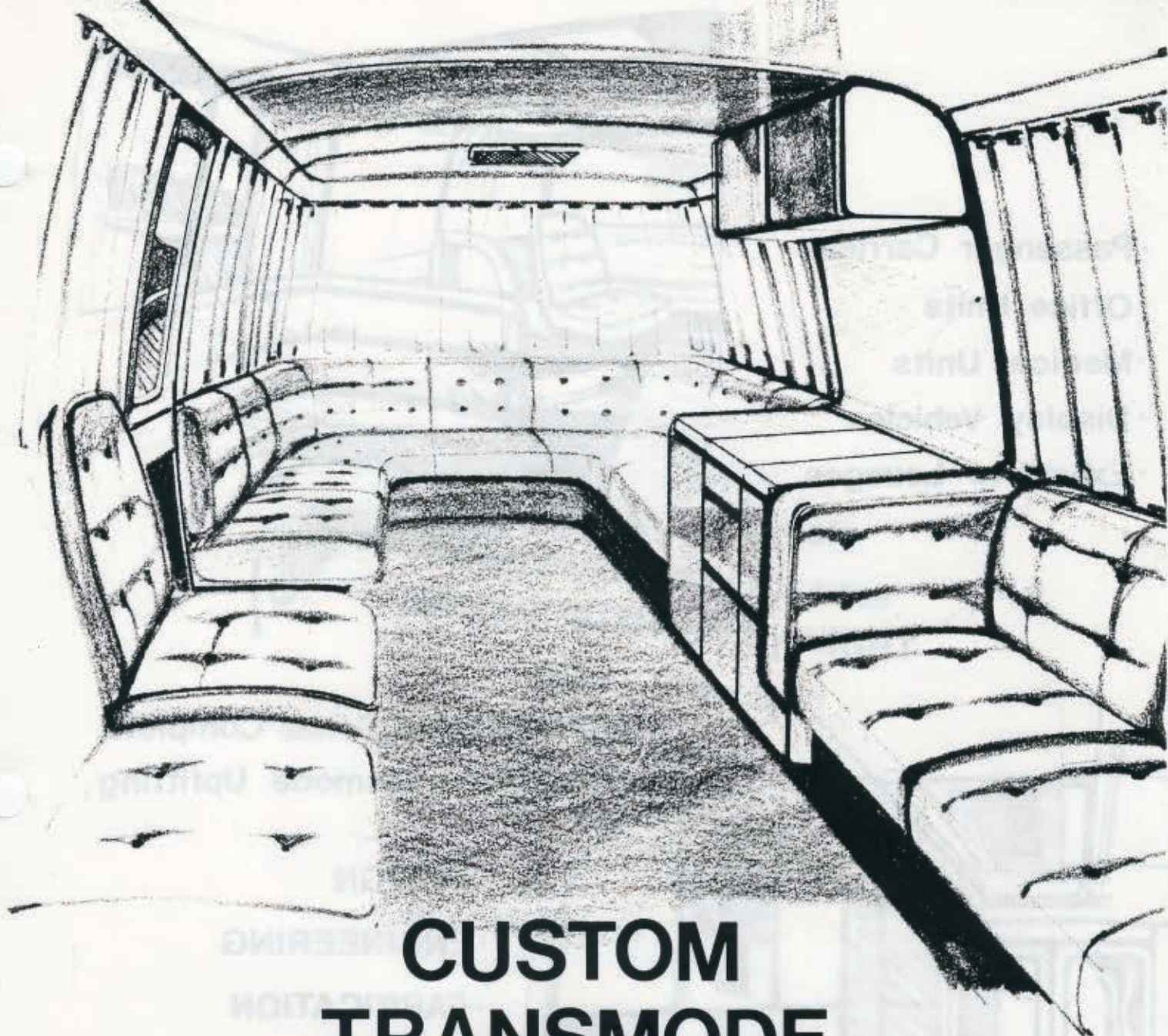
Curb Side Cabinet
1 #6757 Base with Shelf, 42"

DISPLAY WINDOW VAN
LONG WHEELBASE
(Cabinet Covers Front Street Window)
S1-M2H-C2 Partition Optional

Street Side Cabinets
1 #6755 Base with Tray, 52"
1 #6760 Base with Top, 42"
1 #5091 Spare Tire Check

Curb Side Cabinet
1 #6755 Base with Tray, 52"





CUSTOM TRANSMODE INTERIORS

by

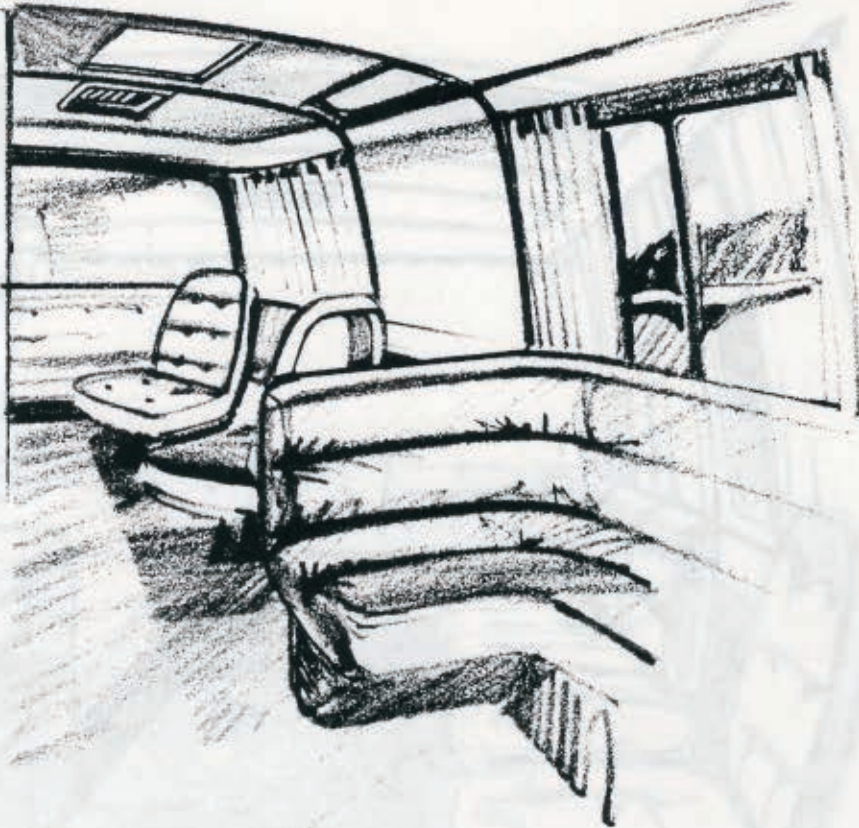


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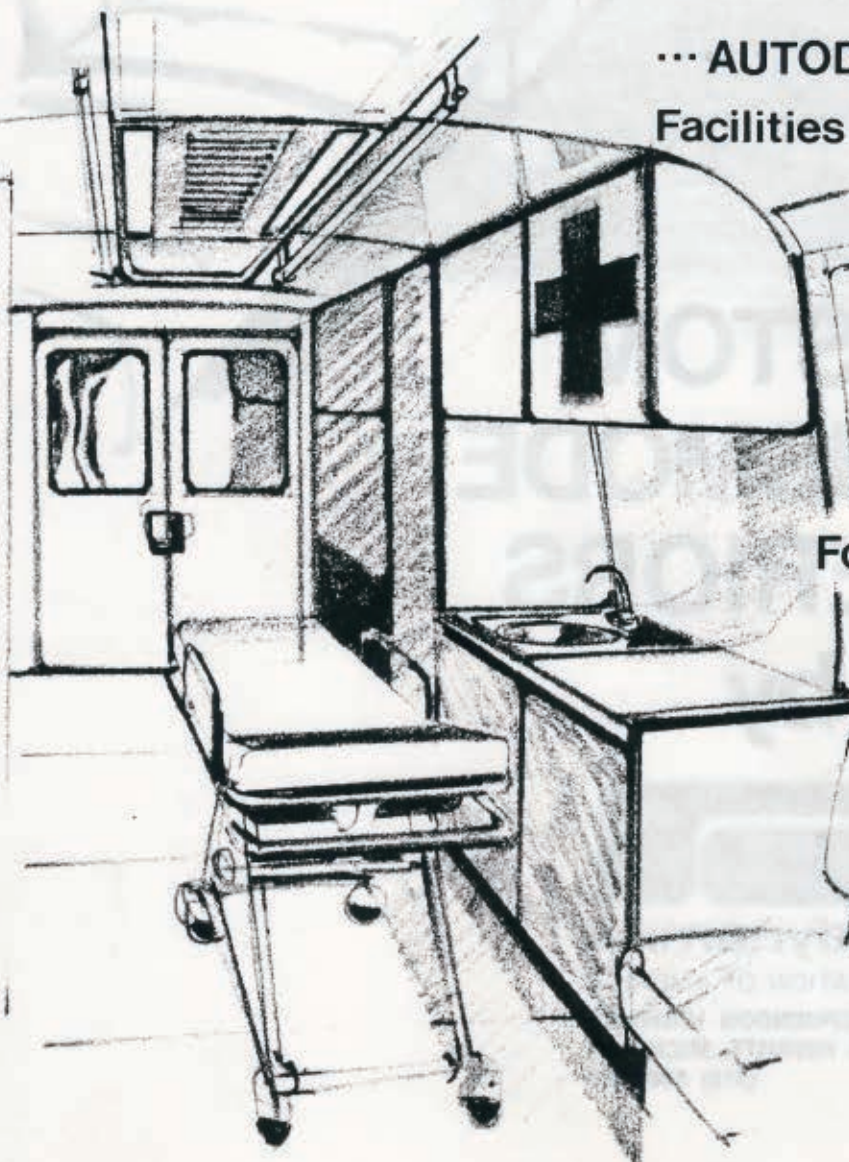
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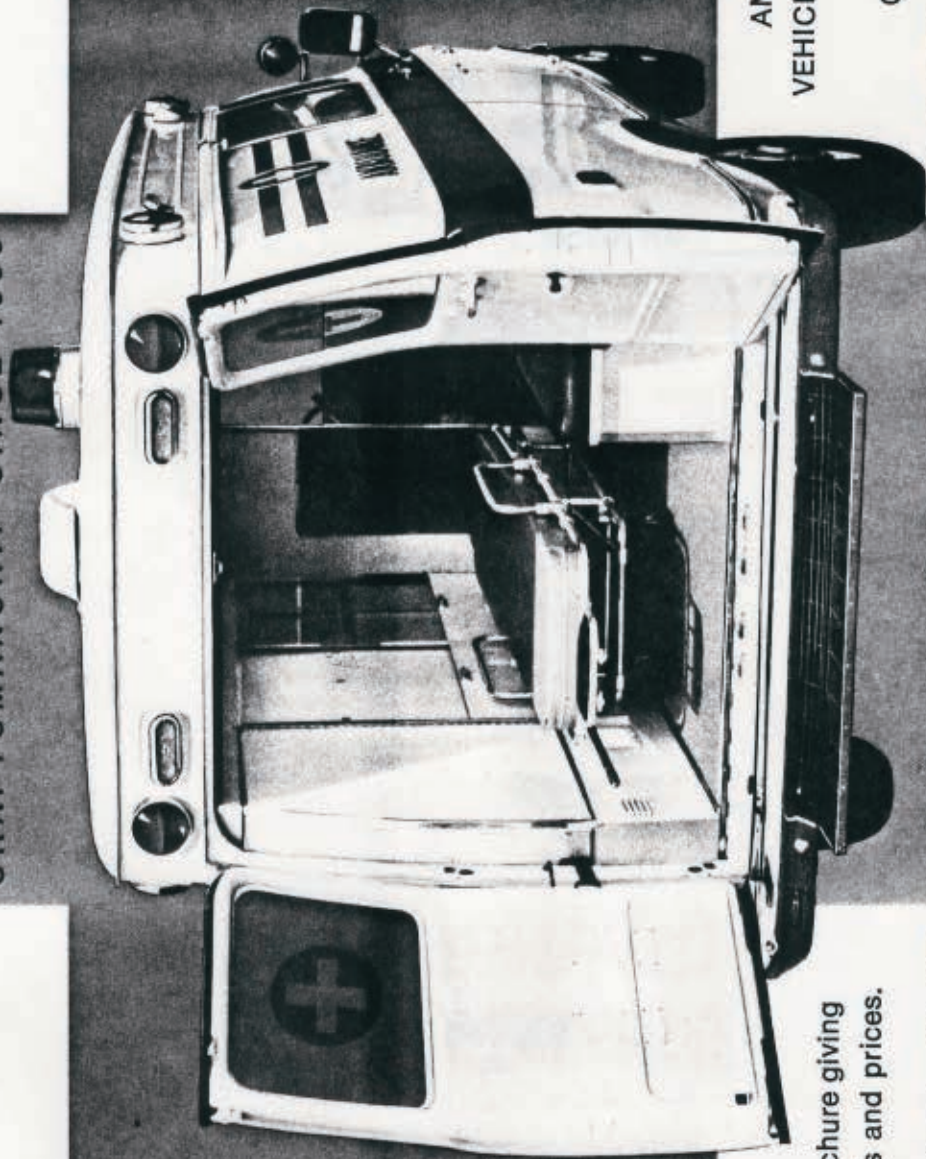
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Bostrom[®]

seats for motor homes, vans & pick-ups



HIGH-BACK THINLINE DRIVER SEAT

Bostrom offers its high-back Thinline for an improved kind of driving comfort in your van, motor home, camper or pick-up.

This bucket seat features a padded head rest, optional folding arm rests, and for cooler seating, comes with fabric center panels with complimenting vinyl trim.

The high-back Thinline, which can also be used as a passenger's seat, is available in black, brown, gold and green.

All of this is backed up with Bostrom's rugged construction, which includes an all steel frame and spring unit completely encapsulated in durable polyurethane foam.

For versatility, Bostrom features a choice of two swivel pedestals for the driver's seat. These heavy gauge steel pedestals permit easy entrance or exit to your vehicle, and also allow the seat to be turned inward when desired.

Another Bostrom plus, which can be ordered separately, is a set of slide rails that allow the seat to move forward or back a full 4 inches.

HIGH-BACK THINLINE PASSENGER SEAT

The Bostrom high-back Thinline recliner was designed to deliver lounging comfort for passengers in motor homes, vans and campers.

This recliner matches the driver's seat in colors and styling but, has the added comfort of a seat back that will tilt 45 degrees with an easy push on the side knobs.

The Thinline recliner has the same padded head rest, optional folding arm rests, and trim package as the driver's seat, along with the usual Bostrom high-quality and durability.

Like the driver's seat, Bostrom also offers a swivel pedestal, and set of slide rails for the passenger's convenience.

This combination of comfort and versatility adds up to the ultimate in seating for your vehicle.



INSTALLATION INSTRUCTIONS FOR YOUR Bostrom® HIGH-BACK SEATS

Remove present seat. Remove old pedestal if new Bostrom pedestal is used.

Attach connecting rod assembly as in Fig. 1. Slide rail with handle must be on left side (left side defined as while sitting in seat).

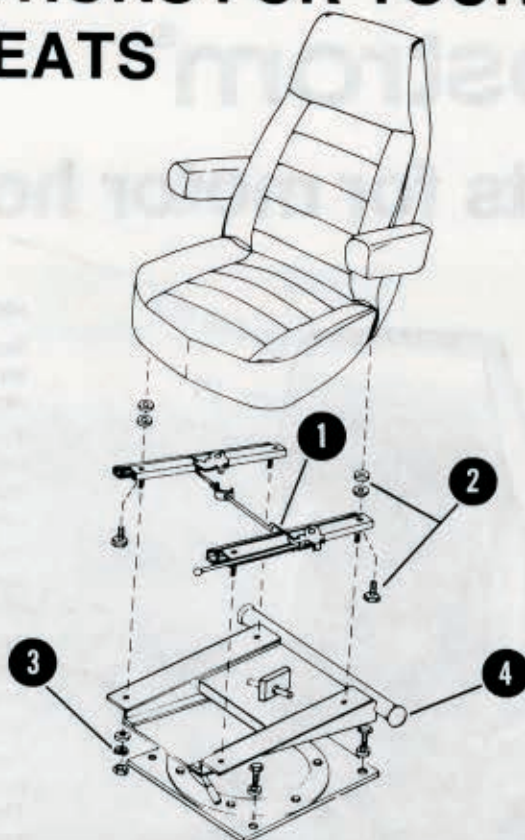
Attach slide rails to bottom of seat with 5/16" x 1-1/2" screws making sure two spacers are between each of the rails upper screws and the seat base as in Fig. 2.

Mount seat on pedestal using 5/16" flat washer, 5/16" lockwasher and 5/16" hex nut as in Fig. 3.

Attach pedestal to floor making sure holes in floor line up with pedestal holes. Fasten pedestal with four 1/2" - 13NC high grade bolts (GR-8 or equivalent), and corresponding flat washers to meet Federal Motor Vehicle Safety Standard requirements.

NOTE:

Use vehicle's existing safety belts or safety belts certified to meet FMVSS requirements for your vehicle. A 7/16"-20NF thread is provided in the end of the pedestal tubing for fastening seat belts. (See Fig. 4)



HIGH-BACK THINLINE DRIVER SEAT

Description	Part No.	Suggested List Price
Black vinyl without arm rests	42260-002	\$ 82.55
Black vinyl with arm rests	42238-002	127.75
Black vinyl & cloth w/o arm rests	42260-006	101.60
Black vinyl & cloth with arm rests	42238-014	146.80
Brown vinyl & cloth w/o arm rests	42260-010	101.60
Brown vinyl & cloth with arm rests	42238-011	146.80
Green vinyl & cloth w/o arm rests	42260-014	101.60
Green vinyl & cloth with arm rests	42238-008	146.80
Gold vinyl & cloth w/o arm rests	42260-018	101.60
Gold vinyl & cloth with arm rests	42238-005	146.80

HIGH-BACK THINLINE PASSENGER SEAT

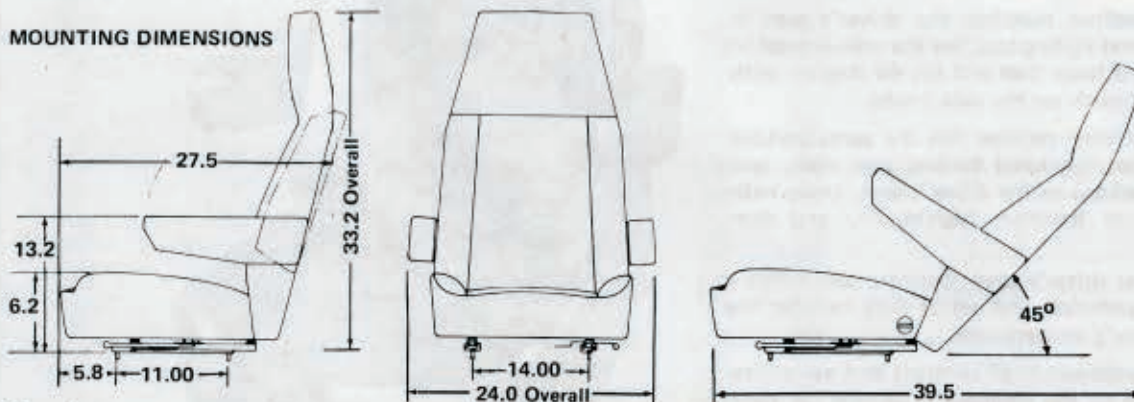
Description	Part No.	Suggested List Price
Black vinyl without arm rests	45168-005	\$112.45
Black vinyl with arm rests	45168-006	157.65
Black vinyl & cloth w/o arm rests	45168-009	131.50
Black vinyl & cloth with arm rests	45168-010	176.70
Brown vinyl & cloth w/o arm rests	45168-017	131.50
Brown vinyl & cloth with arm rests	45168-018	176.70
Green vinyl & cloth w/o arm rests	45168-025	131.50
Green vinyl & cloth with arm rests	45168-026	176.70
Gold vinyl & cloth w/o arm rests	45168-033	131.50
Gold vinyl & cloth with arm rests	45168-034	176.70

ACCESSORIES

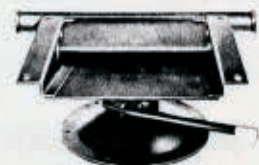
Slide rail kit	42235-007	\$ 16.85
Pedestal, economy model (11" high)	44067-001	42.70
Pedestal, deluxe model (9.8" high)	43236-004	84.75
Pedestal for G-10 Chevy & GMC vans	43616-002	89.95

List prices include F.E.T. All prices are F.O.B. our plant, Milwaukee, Wis., and are subject to change without notice.

MOUNTING DIMENSIONS



NOTE: Overall width of seat without arm rests is 20"



Deluxe Pedestal

Deluxe model seat pedestals swivel 360 degrees with the seat belts engaged because they are attached to the pedestal.



Economy Pedestals

Economy model seat pedestal swivel 360 degrees and is for use in conjunction with a one piece seat belt attached to the floor.

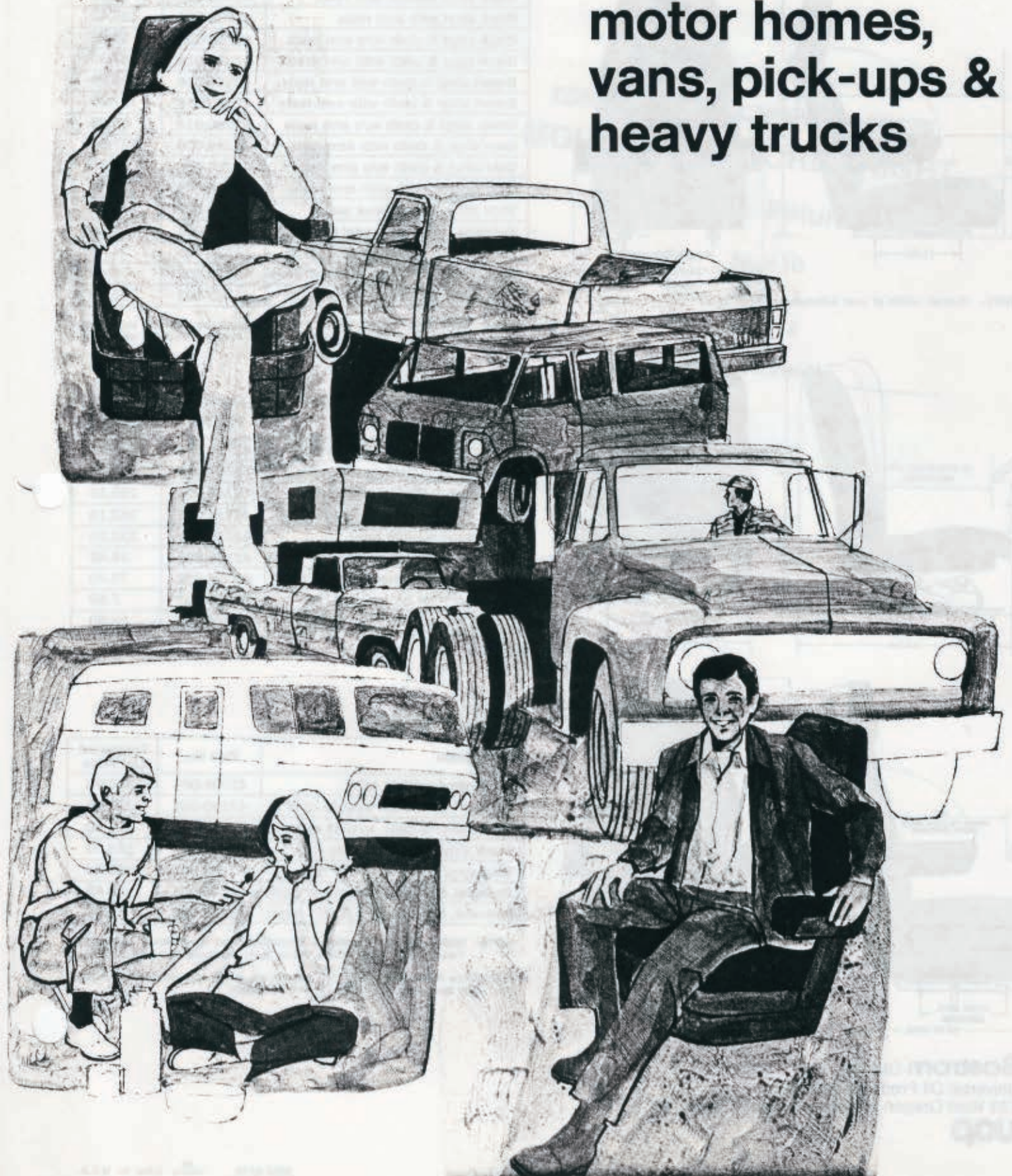
Bostrom Division
133 West Oregon Street
Milwaukee, Wisconsin 53201
414-271-4122

uop Inc.

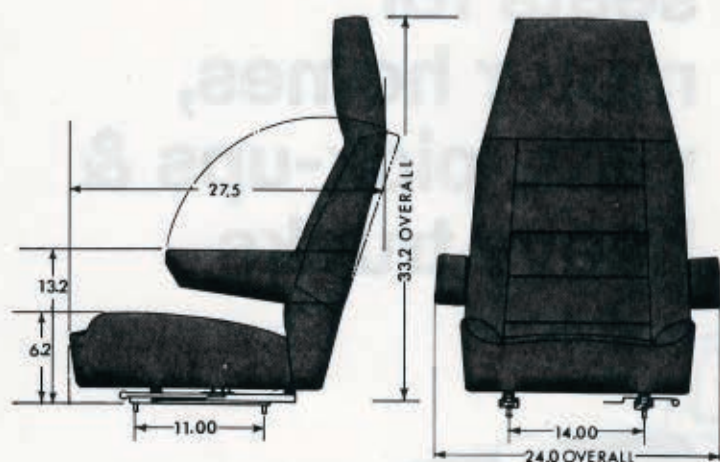
All Bostrom Seats are designed to meet applicable FMVSS as of the date of manufacture

OP-10M-8/7

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mounting dimensions part numbers and price list



NOTE: Overall width of seat without arm rests is 20".

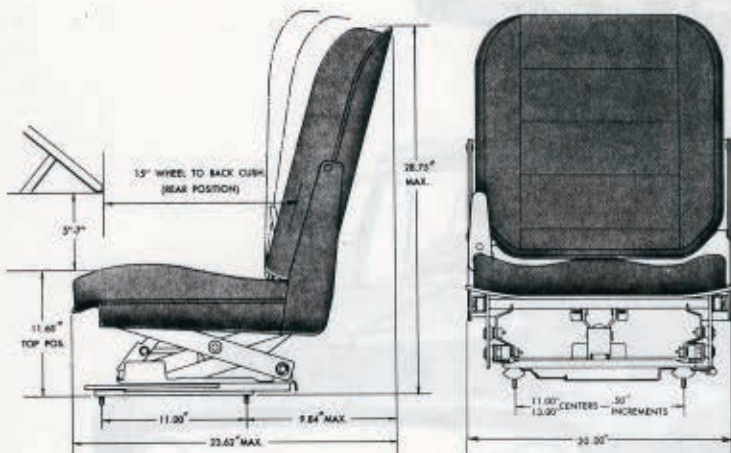
HIGH-BACK THINLINE

Description	Part No.	Suggested List Price
Black vinyl without arm rests	42260-002	\$ 77.95
Black vinyl with arm rests	42238-002	120.40
Black vinyl & cloth w/o arm rests	42260-006	94.85
Black vinyl & cloth with arm rests	42238-014	137.30
Brown vinyl & cloth w/o arm rests	42260-010	94.85
Brown vinyl & cloth with arm rests	42238-011	137.30
Green vinyl & cloth w/o arm rests	42260-014	94.85
Green vinyl & cloth with arm rests	42238-008	137.30
Gold vinyl & cloth w/o arm rests	42260-018	94.85
Gold vinyl & cloth with arm rests	42238-005	137.30
Slide rail kits for above seats	42235-007	13.95
Pedestal, economy model (11" high)	44067-001	39.05
Pedestal, deluxe model (9.8" high)	43236-004	74.45
Pedestal for G-10 Chevy & GMC vans	43616-002	79.40
Fore & Aft Isolator (14" centers)	41652-002	55.90

NOTE: Slide rails for High-back Thinline must be ordered separately. Viking T-Bar and Deluxe Viking part numbers include slide rails.

VIKING T-BAR

Description	Part No.	Suggested List Price
Brown vinyl & cloth w/slide rails	43738-001	\$263.15
Green vinyl & cloth w/slide rails	43739-001	263.15
Gold vinyl & cloth w/slide rails	43740-001	263.15
Black vinyl & cloth w/slide rails	43741-001	263.15
Black vinyl w/slide rails	42378-001	232.95
Pedestal, economy model (8.5" high)	42146-003	36.45
Pedestal, deluxe model (7.87" high)	43236-002	73.40
Universal riser kit for vans only	22858-001	7.60
Fore & Aft Isolator (13" centers)	41648-002	55.90

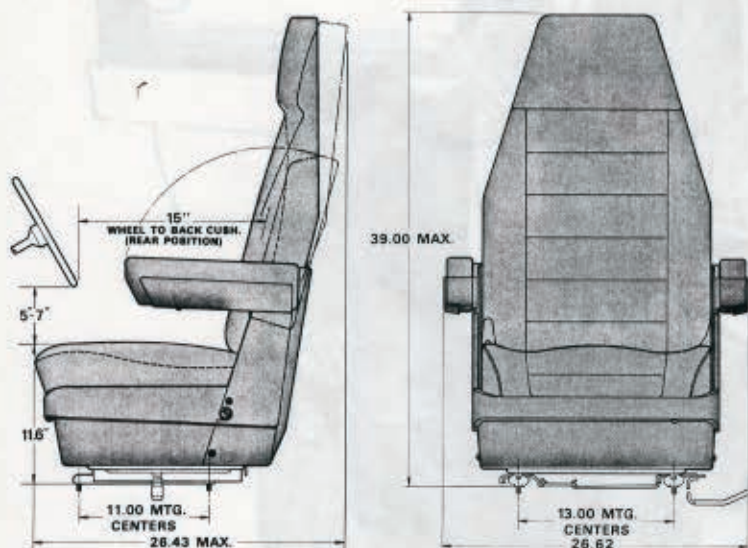


DELUXE VIKING

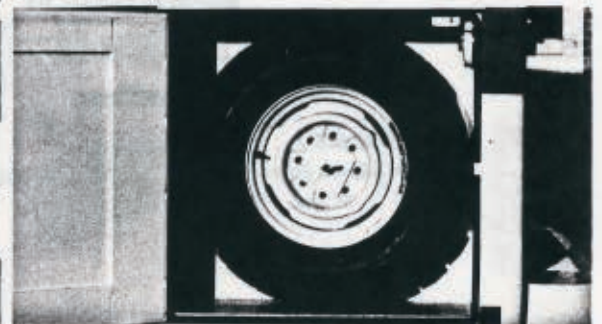
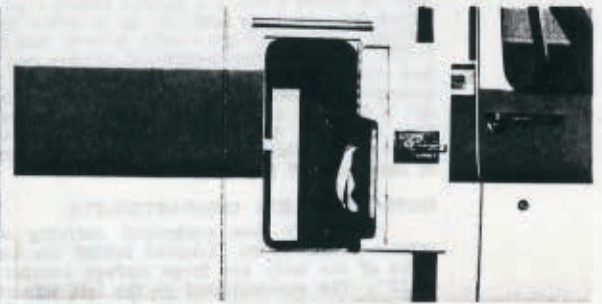
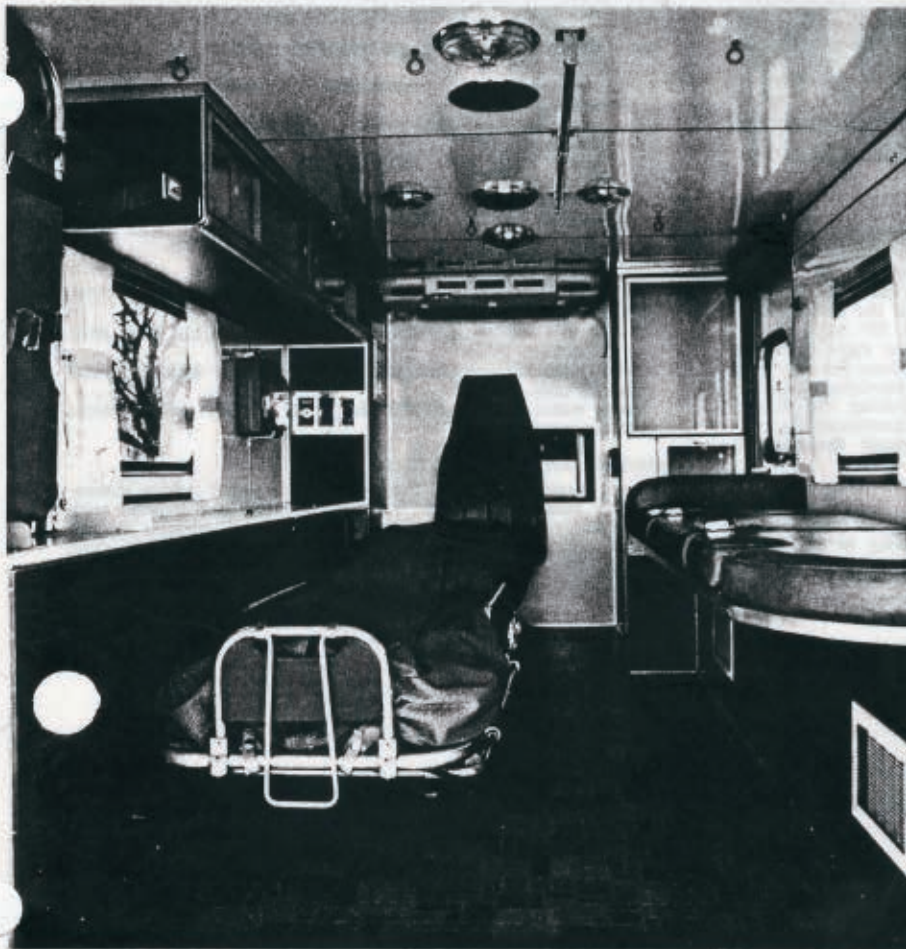
Description	Part No.	Suggested List Price
Black vinyl w/slide rails	41085-001	\$378.60
Brown vinyl & cloth w/slide rails	42150-001	395.60
Green vinyl & cloth w/slide rails	42151-001	395.60
Black vinyl & cloth w/slide rails	42152-001	395.60
Gold vinyl & cloth w/slide rails	42153-001	395.60
Pedestal, economy model (8.5" high)	42146-003	36.45
Pedestal, deluxe model (7.87" high)	43236-002	73.40

NOTE: Slide rails for High-back Thinline must be ordered separately. Viking T-Bar and Deluxe Viking part numbers include slide rails.

List prices do include F.E.T. All prices are F.O.B. our plant, Milwaukee, Wis., and are subject to change without notice.



Bostrom Division
 Universal Oil Products Company
 133 West Oregon Street • Milwaukee, Wisconsin 53201
uop



SPECIFICATIONS

Cayel-Lance

BASIC MODULAR AMBULANCE BODY

INTERIOR DIMENSIONS:

LENGTH (Wall to Door)	138"
WIDTH (Wall to Wall)	77" - 85"
WIDTH (Bench to Cot)	25"
HEIGHT (Floor to Ceiling)	60"

CONSTRUCTION:

Welded, all-steel construction. The body base assembly includes two 1½" X 3" X 10 gauge lateral sills and seven 1½" X 4" X 10 gauge triple channel cross sills with 14 gauge center channels for increased floor support. It is secured to the chassis frame mounting brackets by six 5/8" alloy steel bolts. The body side panels are 16 gauge steel, press formed and joined in such a manner that there are five full height "H" section vertical posts on each side of the body. There is a 13 gauge bumper rail along each side of the body at cot level. Corner posts and roof rails are 13 gauge rolled radii with die formed steel ball corners. Roof support bows are 16 gauge, 1½" X 3" hat channel sections on 18" centers, and the roof is 18 gauge, pan-formed and flush mounted. The body sides, ends, and roof are insulated by 1½" polystyrene foam planking. An overlapping 4-mil thickness of polyethylene sheeting is placed between the foam insulation and the interior finishing panels to form a vapor barrier. The interior panels are easy to clean, hard finished, vinyl surfaced. The ¾" plywood floor is laid over 22 gauge galvanized steel sub-floor sheets to protect the wood against road salts and moisture. The entire underside of the body is treated with automotive type undercoat as a final seal against moisture. The interior floor is covered with one piece, commercial grade, Armstrong vinyl flooring.

WINDOWS AND DOORS:

All windows are automotive type safety glass mounted in rubber. The window connecting the patient compartment with the driver's cab is a divided sliding type with locking latch, joined between body and cab by a heavy gauge flexible vinyl bellows. The doors are rigidly braced, box-pan reinforced with D.O.T. approved double-catching latches and full length, stainless steel piano hinges. Dust and moisture seals are moulded neoprene, tubular pneumatic type. The curbside entry door is 30" X 69" with a 16" X 18" window. The rear doors are double type providing 52" X 54" opening and have two 12" X 26" windows. Available as optional equipment are windows in either or both sides of the body.

OUTSIDE ACCESS COMPARTMENTS:

There are five equipment carrying compartments with outside access doors. Located behind the rear wheels on both sides of the body are large storage compartments 32" X 32" X 13". The compartment on the left side of the body is used for mounting the spare wheel. Located ahead of the rear wheels on the left side is a compartment 51" long, X 12" high X 13" deep. There is a vertical compartment at the right front of the body measuring 60" high X 15" wide X 22" deep for carrying the oxygen cylinder. This compartment has a plexiglass interior door for viewing the oxygen gauge and controlling the valve. The backboard and scoop stretcher storage compartment extends across the front of the body, accessible through the oxygen storage compartment door on the curb side.

INTERIOR BODY COMPARTMENTS:

All interior body compartments are heavy 16 gauge steel for durability and are securely fastened directly to the body structural members. All exposed edges are rounded with a 1" radius and anodized aluminum trim. Interior compartments and

the squad bench are covered with rosewood grain Formica laminate. All storage compartment doors are aluminum framed plexiglass, mounted on full length piano type hinges, or are sliding type with recessed finger pulls. The attendant's bucket seat at the front of the body is full-swiveling with head restraint and retracting seat belt. The squad bench along the right side of the body has a 3" thick, naugahyde covered foam rubber cushion which has recessed cutouts and post cups for mounting a Ferno-Washington folding stretcher, secured by two quick release straps. The squad bench also has an upholstered end cushion and padded back rest. There are vinyl upholstered foam rubber bumper cushions installed above both inside door openings. Standard interior compartmentation includes: 1 - Equipment storage compartment at the left front of the body 60" X 22" X 18"; 1 - Medical supply cabinet with sliding doors and removable center shelf on the left side of the body immediately behind the front storage cabinet; 1 - Linen storage area over the wheel housing on the left side of the body measuring 54" X 14" X 13" provided with two hinged lids; 1 - Folding stretcher storage rack with quick release holding strap located behind the linen compartment at the left side, making stretchers available from inside the body or through the open rear door without disturbing patients already loaded in the body. Many variations of interior compartmentation are available to meet customer's individual requirements.

ELECTRICAL WIRING AND EQUIPMENT:

All wiring is extended in harness along the roof radius of the body interior so that no holes have to be drilled through vertical structural members for the purpose of running wires and so that no wiring is run beneath the body to be endangered by road hazards. Circuits are color coded and individually protected by automatic resetting circuit breakers. Standard electrical equipment includes:

- 2 - Unity #225 sealed beam spotlights mounted on chassis cab
 - 4 - Sealed beam flashing red tunnel lights mounted on upper body corners
 - 4 - Sealed beam tilted flood lights mounted two on each side of the body
 - 2 - Interior aisle dome lights with door switches and manual controls
 - 2 - High intensity lights mounted over cot and squad bench
 - 1 - Blue shock light
 - 1 - Sealed beam rear loading light with door switch and manual control
 - 1 - Electric exhaust ventilating fan
 - 1 - 28,000 B.T.U. hot water heater
 - 1 - Front step light
 - 2 - Rear step lights
 - 2 - License plate lights
 - 2 - Flush mounted stop-turn-tail lights
 - 2 - Flush mounted back-up lights
 - 3 - Outside equipment compartment dome lights with door switches
 - 1 - Oxygen storage compartment dome light with door and manual switches
- Body running and marker lights to comply with Federal requirements

PAINTING AND DECORATING:

All lapping metal surfaces are back-primed before assembly. The body is degreased and acid etched, then primed with epoxy type zinc-chromate primer. The finish surface is two coats of DuPont "Imron" polyurethane enamel for high gloss and long life. The standard color is frost white with an Omaha orange stripe extending around the body.

MANUFACTURED BY

Cayel-Craft, Inc.

P.O. Box 188
Rock Rapids, Iowa
51246

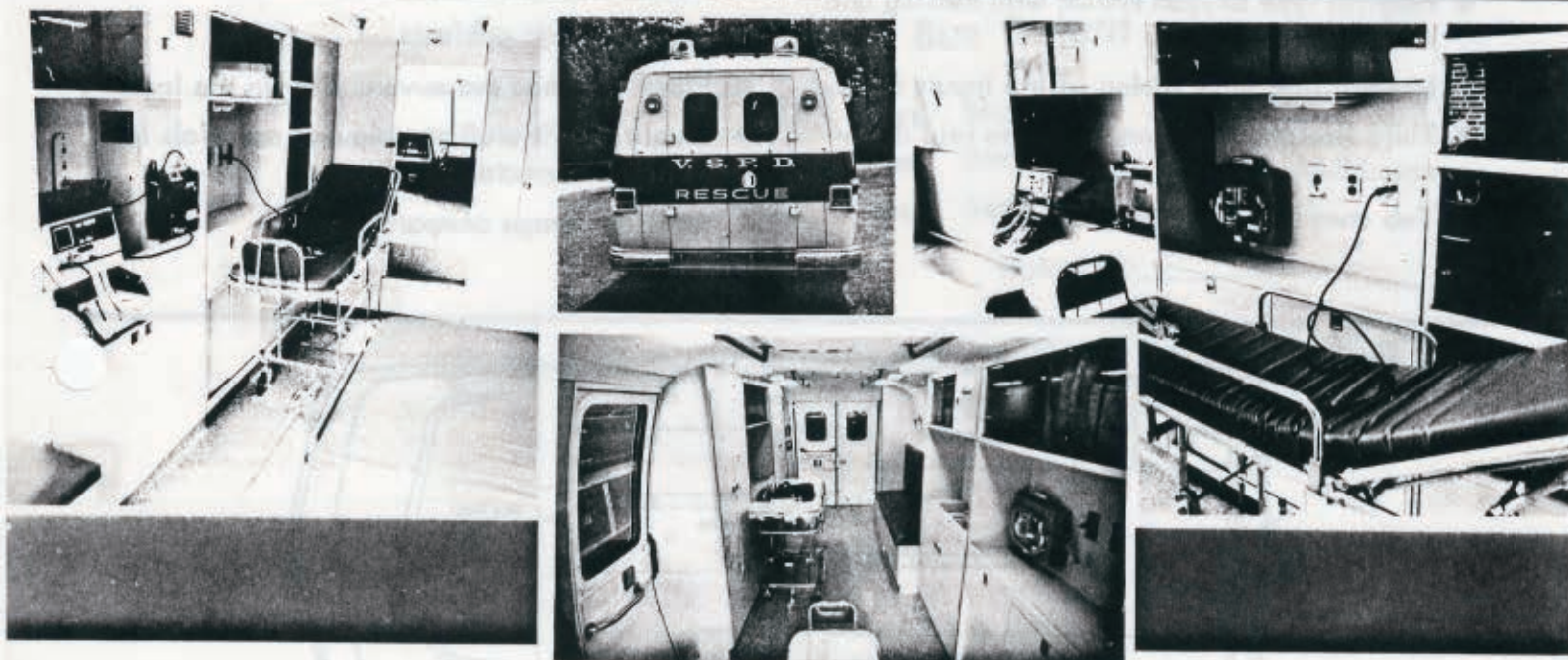


MASTER
COACH BUILDERS

SOLD BY:



The New ComCoach Mobile Intensive Care Facility



COM COACH
corporation

103 Fort Salonga Rd. Northport, N.Y. 11768
(516) 757-7923



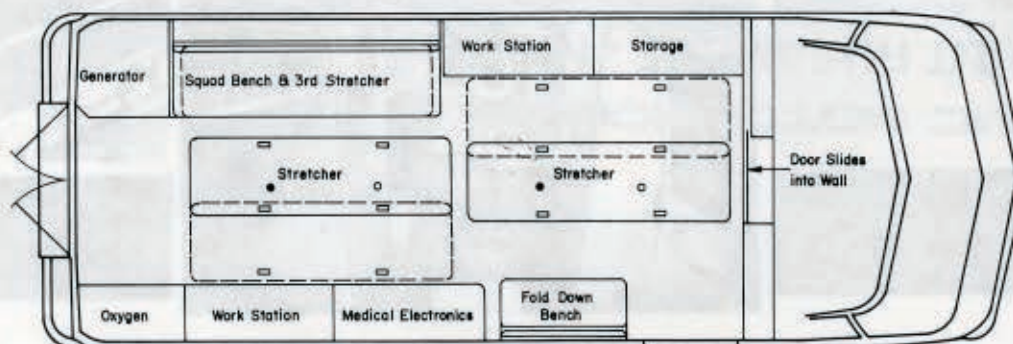
Two Standard Layouts...

which can be CUSTOMIZED to your requirements.

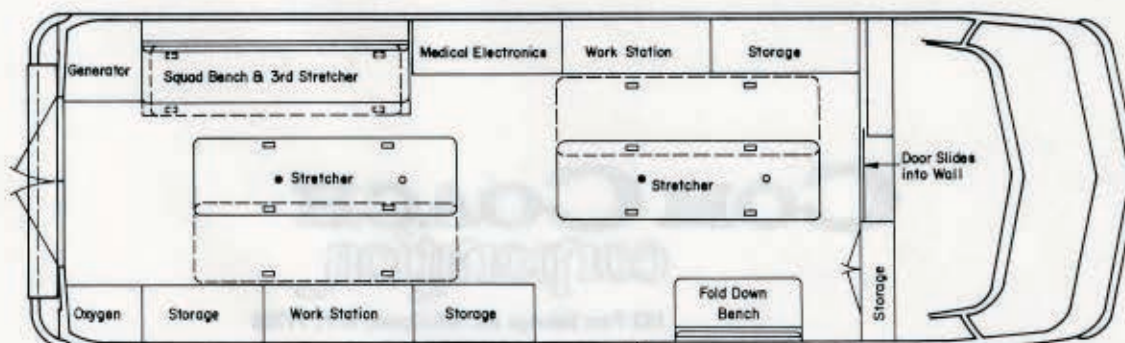
FEATURES

- Two Stretcher Positions with 360° Patient access
- Hospital type oxygen system with ceiling and wall mounted outlets.
- Integral telemetry wiring with 5 inputs stations
- Third stretcher position built into fold down squad bench.
- Two complete work stations
- Isolated drivers compartment with aircraft type master control console.
- Ample Storage cabinets
- Finest ride and maneuverability in the industry
- Quality built craftsmanship and materials for long life expectancy.
- Exterior storage compartment

23 FT.



26 FT.

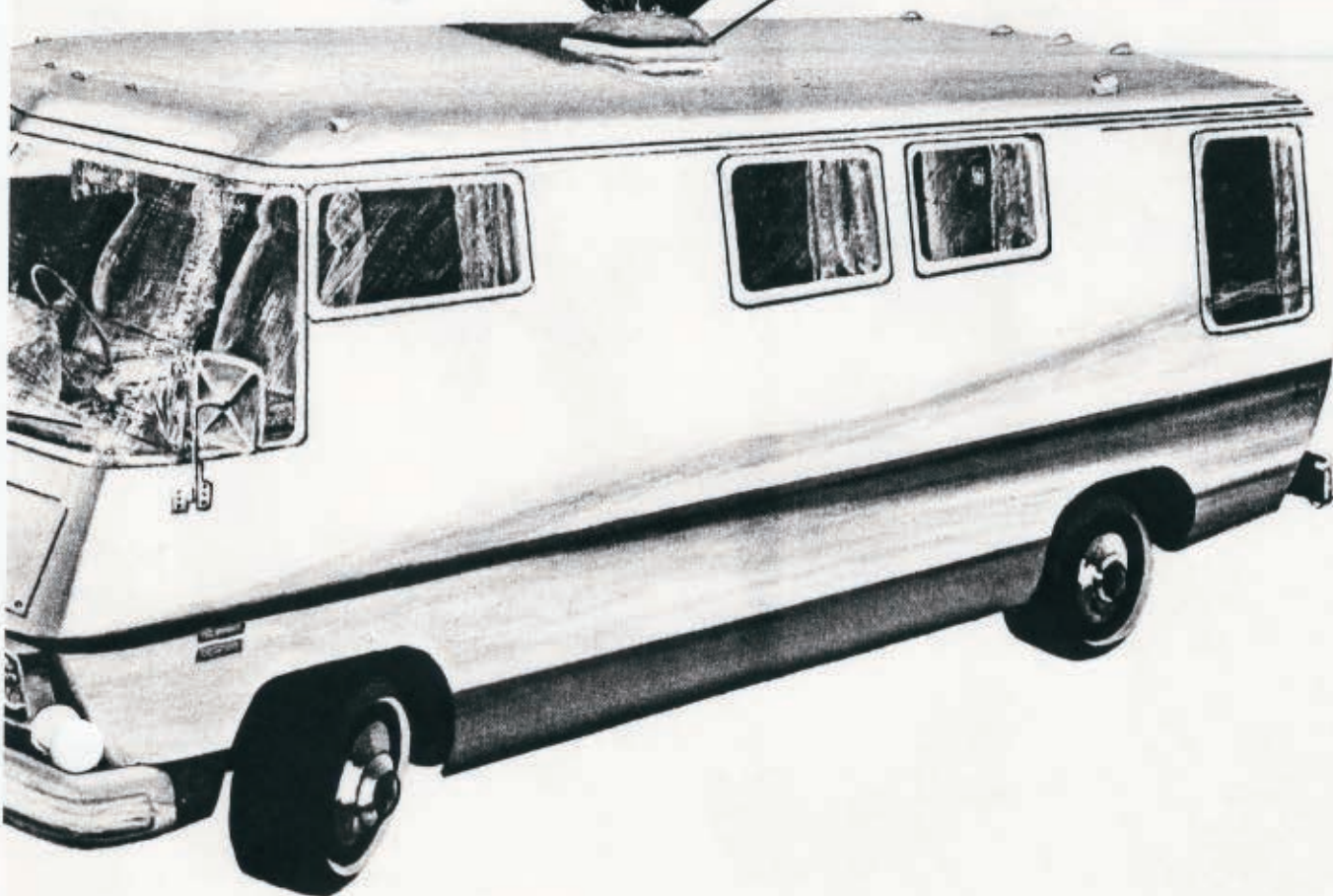


00 Series

Translucent butyrate dome. It's weather-proof, craze-proof, and easily withstands the rigors of year-round use. Natural light floods the vehicle interior, while always maintaining privacy.

Aluminum extruded ventilator frame. Custom designed to fit roof thickness from 1¼" to 3¾". Pre-drilled holes make for fast, all-weather installation.

Strong, long-lasting and washable interior cane-meshed screen is available in either a white/white or antique white finish. (Note: antique white tends to blend more readily with a greater variety of contemporary interior designs and color schemes. Both are available, however.)



Hammond Dependability . . .

We supply service parts for
everything we manufacture.

Nothing is more distasteful or discouraging to a customer to discover—too late—that needed replacement parts for a product are always "on order."

At Hammond, that's not the case by a long shot. When you purchase a Hammond ventilator, part of the agreement is that you'll be able to obtain replacement parts in a reasonable time. We know "down time" is very costly.

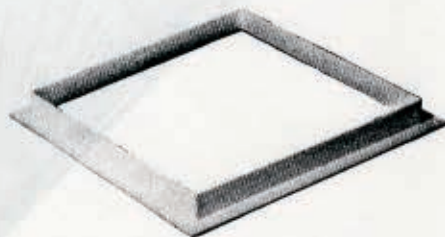
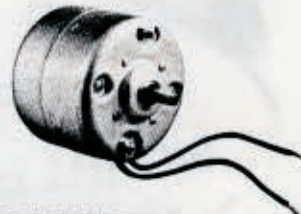
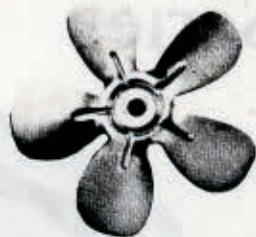
At Hammond, quality means we provide customers with an excellent product, excellently made, and excellently serviced.

That's our pledge to you.

Quality Ventilators by

HAMMOND MFG. CORPORATION

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de Windt Associates, Inc.
1166 E. Big Beaver Rd.
Troy, MI 48084
313/ 689-6090



COMMUNITY SERVICE CARAVAN



IDEAS IN MOTION

One of the intriguing aspects of commercial vehicles is our ability to design a custom interior to fit a special need. Any reasonable request can be incorporated into a product that will help achieve your goals of more effectively educating, informing, selling, or producing.

MOBILE CLASSROOM

The availability of quality education is a national concern. Capitalize on this essential need by offering mobile classrooms to the educational and business community.



MOBILE SALESROOM

Sales competition is greater today than ever before. Innovative, aggressive marketing is a must. Mobile selling is a concept as old as time itself and just as timely today!

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**The most revolutionary concept
in ambulance design**

THE PARA MEDIC GMC by HESS & EISENHARDT





The Para Medic GMC by Hess & Eisenhardt

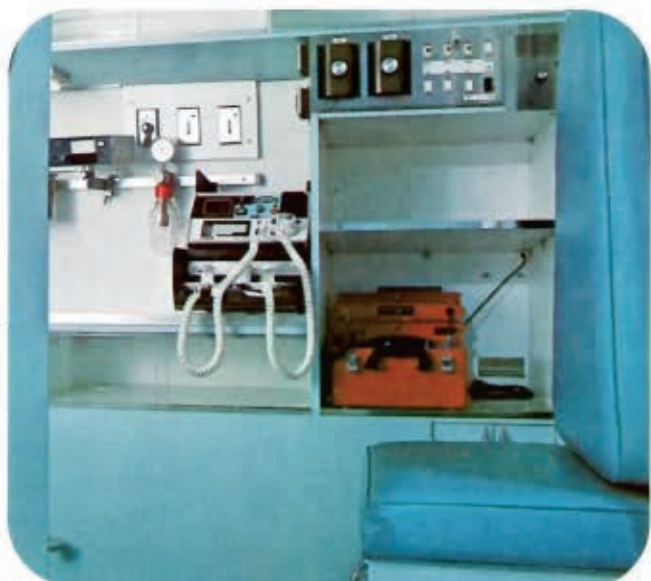
What are the requirements that are most important for transporting and treating a critical patient?

Have you sacrificed space for the performance, comfort and handling of a passenger car? Or have you sacrificed roadability for the interior space of a truck?

Up to now you couldn't offer your patients both.



Looking toward the front of the vehicle showing cot locations, overhead storage cabinets on both sides, and an unprecedented amount of space.



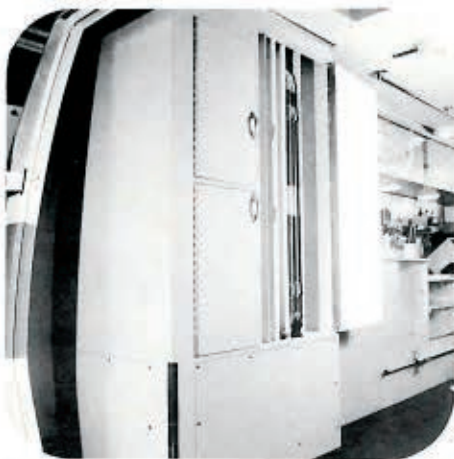
Attendant's seat against cockpit bulkhead; beside life system monitoring and telemetry units.

It

Now you can. In fact, the Hess & Eisenhardt Para Medic GMC exceeds the best characteristics of both present ambulance designs. A powerful 455 V-8, coupled with front wheel drive, a self-leveling, adjustable air suspension system and six wheels on the pavement give you exceptional traction and stability when every second counts. The absence of a driveshaft not only lowers the center of gravity, but also lowers the floor level. This helps make possible a usable interior space greater than any truck ambulance design: Headroom—6.5 ft., Width—7.6 ft. Carrier compartment length—16 ft. Yet the Para Medic is only one foot longer and higher than the standard luxury car based ambulance.

This unprecedented interior space can accommodate the necessary medical and life-support equipment, including life system monitoring and telemetry units, plus four stretcher cases, and still have ample room for attendants to work. Virtually a mobile emergency ward, the Para Medic GMC is the most complete lifesaving vehicle ever built...designed for the community that wants to save lives.

Hess & Eisenhardt took a vehicle designed to carry people in complete comfort and built a total ambulance designed to save people. That's our business...and yours.



1. Storage and extra stretcher cabinets just inside rear entrance.



2. One of two Ferno-Washington cots. Two additional stretchers may be suspended from the interior roof.



3. Attendant seat at foot of cot, sink and folding "stair chair", one of four electrical outlets and additional cabinet space.



4. Overhead cabinets with sliding, clear plexi-glass doors. Life system monitoring and telemetry units below.



5. More lifesaving space than any other ambulance, yet only one foot longer and higher than a conventional auto-based design. Easiest ambulance to enter ever made.

FOR ADDITIONAL INFORMATION CALL OR WRITE JAMES L. CENTNER, PRESIDENT,
HESS & EISENHARDT INTERNATIONAL, LTD., 8959 BLUE ASH ROAD, CINCINNATI, OHIO 45242.

GENERAL SPECIFICATIONS of the Para Medic GMC.

BASE VEHICLE:

ZE06083—23 Foot G.M.C. Transmode Commercial Vehicle
521 White—Vehicle Color
C70—Automotive type air conditioning.
GYE—Power assisted Suspension Leveler
7—8.75 x 16.5 D Steel Belted W/W Tires
Tinted Glass on all windows.

ENVIRONMENTAL:

13,500 BTU Coleman Roof Air Conditioner.
2—1500 Watt Electric Heaters. Heaters have squirrel cage blower to circulate heat.
Power Roof Vent. Vent has blower to force air out of vehicle. Can be opened for natural air circulation.

LIFE-SUPPORT

AND MEDICAL EQUIPMENT:

#30TC Ferno-Washington Cot, LH side on floor.
#54LC Ferno-Washington Cot, RH side on top of Squad Bench.
#360 Ferno-Washington 3" Foam Mattress.
2 Cot Fasteners for Ferno-Washington.
2 #15 Ferno-Washington Suspended Stretchers.
2 Vacuum Outlets, 1 each side, NCG.
4 Oxygen Outlets, 2 each side, NCG.
Oxygen Regulator, NCG
Fairfield Stop Clock
Fairfield Sphygmomanometer
Fairfield Pulse Tachometer
2 Fairfield Suction Jars
2 Fairfield Flowmeters.
2 Fairfield Nebulizer-Humidifier
2 Fairfield Suction Units.
2—4" Modura Rails, 1 each side.
2 Fairfield Oxygen Mask Holders.
2 Fairfield Stainless Steel Suction Tips
2—10' Vacuum Hoses, Outlet to Regulator.
2—10' Oxygen Hoses, Outlet to Flowmeter.
Pulse Tachometer Holder
2 Fairfield Suction Jar Holders
2 Oxygen Face Masks with 10 feet of Hose
"M" size Oxygen Tank
"M" size Oxygen Tank Holder
Hare Traction Splint
2 Laerdal Resuscitator Bay II.
Ferno-Washington Stair Chair
Ferno-Washington I.V. Pole

ELECTRICAL:

EMERGENCY LIGHTS:

2 Federal 184 Lights on Front Roof, Clear Domes with 2 Red and 2 White Lamps per Light.
2 Whelen 2700 Strobe Lights on Rear Roof with Red Domes.
2 Whalen 2800 Strobe Lights on Front with Red Lens.
2 Weldon #5-1070 Side Lights—2 each side, Red Lens, alternating flash.
Cole Hersee Motor Flasher
Federal PA-100 Electronic Siren, Floor Button.
2 Federal TS-100 Electronic Siren Speakers, painted White, on Front Roof between Federal 184 Lights.

EXTERIOR LIGHTS:

2—60 Watt Adjustable Flood Lights, over Rear Door Lights, activated by Rear Door opening. Switch in Driver's Compartment, or vehicle in reverse.
6—250 Watt Adjustable Tungsten Halogen Side Flood Lights, 3 each side. Switch on front Electrical Console controls left or right side operation.

INTERIOR LIGHTS:

2 Jacks, Right Hand and Left Hand Side of Driver's Compartment for Hand Spot Light.
Unity Hand Spot Light with Coil Cord.
6—35 Watt Dome Lights
2—35 Watt Patient Lights mounted overhead of Patient, 1 each side
4 Counter Lights, 3 Left Hand Side, 1 Right Hand Side.
21 Cabinet Lights—mounted in Left Hand and Right Hand Overhead Cabinets, Left Hand Lower Cabinet, Left Hand Outside Oxygen Compartment.

ELECTRICAL ITEMS:

4 Duplex Grounded Outlets, 2 on each inside wall of vehicle.
2 Twist Lock Grounded Outlets with Polished Aluminum Waterproof Cover, one on each side.
Light Signal System—Red, Amber, Green lighted Rocker Switches in Rear Electrical Console control Red, Amber, Green indicator lights in front dash.
Intercom System from Front Driver Compartment to Rear Attendant Seat.
30 Amp Automatic Battery Charger. Charger supplies vehicle and generator battery. Switch on front electrical console determines generator or shore power for unit.

2 Solid State Light Dimmers. Dimmer controls 3 dome lights and counter lights. Other dimmer controls Cabinet Lights.
Rheostat in Rear Electrical Panel controls 2 Dome Lights.

2 Thermostats for Heating and Cooling Temperatures. Rocker Switch on Rear Electrical Panel controls heat or cool mode.
2 Lighted Generator Start/Stop Controls, in Front and Rear Electrical Console
Lighted Master Switch in Front Console controls power to Emergency Lights. Each Emergency Light has a Control Switch.
Courtesy Light by Side Door—activated by opening Side Door.
Battery Isolator Unit isolates Batteries so vehicle can be started with a Low Battery
Charger Isolator. Unit insures Batteries are isolated from each other on the Charger Circuit.
130 Amp Leece Neville Alternator
6000 Watt Onan Generator, 120 volts
50 Amp Converter, supplies additional 12 volt Power to run Vehicle Components.
Suction Pump to assist Engine in supplying suction to rear vacuum outlets.

INTERIOR CONSTRUCTION:

Roof reinforced to support 2 Suspended Stretchers and Grab Handles
13 foot Stainless Steel and Chrome Grab Rail in Right Hand of Ceiling.
9 foot Stainless Steel and Chrome Grab Rail in Left Hand of Ceiling.
2 I.V. Hooks in Ceiling.
4 Removable Hangers on Cabinets for 2 Suspended Stretchers
1 1/2" Fiberglass Insulation in Roof and Walls.
Grab Handle on Side Cabinet, Inside Side Door
2.75 lb. Dry Chemical Fire Extinguisher

CABINETRY:

2 Overhead Storage Cabinets with Clear Plexiglass Sliding Doors, Left and Right Sides.
Clothing Storage Cabinet by Entrance Door.
Work Counter with Storage below, Right Hand Side.
Squad Bench, padded Seat at Front Rear Platform for Ferno-Washington Cot, Right Hand Side.
Attendant Seat, padded, on Partition.
Oxygen Bottle Cabinet with Storage above Cabinet above Oxygen Cabinet for Electrical and Storage
Cabinet over Wheelhouse with Counter on top. Storage for Converter and Drugs below.

Cabinet Left Hand Rear. Bottom area covers Generator. Top area for Folding Stretcher.
Stair Chair, Folding Back Board Storage.
Driver Partition with Sliding Door. Door has Lock and Plexiglass Window.

Cabinets in Driver Compartment Step Area.
Driver Partition covered with White Textolite. All other Cabinets covered with Light Blue Textolite.

All Interiors of Cabinets painted White Plexolite.
1" Fiberglass Insulation in Generator Compartment.

Generator Compartment sealed.
Generator Access Doors have rubber seals.
Rubber protective edging on Right Hand Squad Bench and Right Hand Upper Side Cabinet.
Stainless Steel protective plates on Left Hand Side Rear Generator Cabinet Corner.
Stainless Steel Kick Plate on Driver Partition

REAR ENTRANCE:

Diamond Plate Steel Rear Steps, painted Silver, 48" wide
Rear Doors double-open type, 56" opening.

EXTERIOR PAINT:

521 White with 17" Omaha Orange Stripes around entire vehicle.
4 Star of Life 14" x 14" (2 on each side of vehicle)
2 Star of Life 14" x 14" on Rear Door.

INTERIOR TRIM:

Carpet entire vehicle Floor, Seat Base and Outside Compartment with indoor/outdoor Blue Carpet.
White Nylon Airliner-type Curtains over side and rear Windows.
Front Seats Trimmed in White and Blue Naugahyde
All Rear Seats padded and covered with Blue Naugahyde

HESS & EISENHARDT,
8959 BLUE ASH ROAD,
CINCINNATI, OHIO 45242

IT'S NOT A NEW IDEA !



STEPS TO SUCCESS

A commercial mobility program might be new to your organization, but others have been running them for years. What they had to learn the hard way you can obtain far less painfully if you take advantage of the resources available to you today.

This suggested procedure has been adopted from a recent Mobile Technology presentation for the American Management Association:

1. Define your objectives in specific language and outline the methods of measuring success.
2. Sell the program benefits to yourself and to the others whose cooperation you will need.
3. Select advisors with experience in commercial vehicles to help answer technical problems without prejudice for a specific vehicle.
4. Work with your consultant to develop operational requirements within vehicle limitations and prepare tentative floor plans.
5. Solicit estimates from vehicle manufacturers and upfitters who will meet your requirements, weighing their qualifications as heavily as price.
6. Place your order but monitor your suppliers to insure compliance with your needs.
7. Develop procedures for scheduling, administration, promotion and other support services.

8. After delivery, conduct trial runs to "debug" both vehicle and program.

9. Review the program after a minimum of 12 months and institute any necessary changes.

Most users find a full year is required for planning and acquisition. But unless you rely on your planner to provide the legwork, the time required will depend largely on how much you can spare.

• • •

RENOVATION SAVES \$\$

The effectiveness of any mobile program is severely reduced after a few years by the accumulated effects of both ordinary wear and tear, and outdated equipment or displays.

When routine maintenance becomes inadequate, your choice should not be limited to vehicle replacement or abandoning the program. A viable and more economical alternative is thorough renovation of your present unit. The savings can be substantial.

Motor office renovation may include anything from repairing structural damage or rebuilding an engine to gutting the interior. It can add features or accessories originally overlooked, correct the cause of ongoing problems, and revise cabinetry to reflect new marketing strategies or lab procedures. Most importantly, it will build on the experiences you've gained to make the vehicle even more effective.

(continued on page 4)

COMMENTS.....

The economic roller coaster ride of the past couple of years seems to be over, but it has severely affected most organizations' capital spending plans from R & D through marketing. The emphasis is now on finding new ways to achieve maximum return from every investment.

Those using commercial vans as laboratories, clinics, or in similar service capacities have long realized the cost savings they achieve. When you must gather samples from distant areas, as in pollution studies, it's simple to compare the investment in a mobile lab versus duplicate facilities and personnel, or the cost of transporting the samples. The same principal applies to specialized classes, hearing tests, collecting blood donations, and countless other programs. Sufficient data for justification probably already exists if you take the time to assemble it.

That isn't true for mobile marketing programs, however. Pinpointing the effectiveness of a specific program or its cost per sale is largely guesswork. Then why are so many organizations keeping their mobile programs active, even growing?

Largely because they feel that the real justifications are even more valid now than they were two short years ago. A mobile display carries the most profitable product directly to the best customers at a cost of under \$5.00 per call for some firms, while it exposes the related items that build volume. It permits demonstration of the product in a controlled environment, not just the talents of artists or copywriters. It physically substantiates corporate image and resources.

Two other advantages are of particular benefit today. Mobile marketing displays overcome customer wariness by involving them in the demonstration. And they provide support to the distributor and train his personnel while offering the opportunity for factory evaluation of his efforts.

Properly designed, equipped and administered, a mobile program for marketing can be one of the most profitable investments you make - just as it is for the many other activities in which it participates.

• • •

MOBILE TECHNOLOGY, a division of The Pickwick Company, is a planning service/consultant for industrial, educational or scientific organizations desiring to investigate the possible application of specialized vehicles to their programs. Services provided include orientation seminars, application studies, program design, vehicle design and acquisition, program administration, and appraisal.

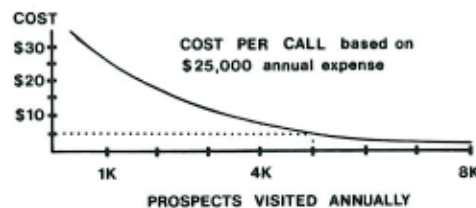
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OPERATING BUDGETS

"How much will it cost to keep it on the road?" is usually the first question asked once initial investment has been estimated. This is a difficult one to answer because it relies so much on the job to be accomplished.

There are a few rules of thumb available today, thanks to the cooperation of present users. But for the most part they are limited to marketing programs utilizing self-powered vans that are on the road for 10 months or so each year, averaging about 25,000 miles annually. If you are planning less intensive use or another type of vehicle, they may still be adaptable, though.

Expenses can be divided into several major categories: driver's salary and living expenses (if you have one), depreciation, insurance, gas and oil, and maintenance. Driver's salary is usually excluded on the basis that he is primarily a salesman or technician whose driving is secondary; if not assigned to your program he would still be doing the same type of work. Depreciation and insurance don't lend themselves to inclusion in these figures because they depend directly on the cost of the vehicle and your insurance program.



The others may be estimated like this:

Gas, oil, tolls, etc.	\$ 275.00/mo
Routine repairs, maint.	\$ 75.00/mo
Major repair/ annual cleanup	\$ 50.00/mo
Driver's living expenses (if paid)	\$1000.00/mo

For this 25,000 mile, 10 month program, these expenses would total \$14,000.00 annually with a driver; adding an approximate \$10,000.00 a year for vehicle depreciation brings the major expense total to under \$25,000.00. This is \$1.00 per mile traveled.

In a marketing program where the van is being shown 225 days (out of a possible 300 to allow for travel and maintenance) to 30 buying influences each day in two or three stops, the cost with depreciation for a personal visit would be less than \$4.00 per buying influence.

For other types of program you'll need to develop your own common denominators such as number of test samples processed, students enrolled, or patients seen. Whichever you use, chances are good that you'll find the savings over duplicate facilities or personnel makes a mobile program well worth investigation.

• • •

TRIAL VENTURE? YOUR OPTIONS

If your management likes your mobile program's concept but insists on a trial before committing major funding, there are only a few alternatives open. These include rebuilding a used van, leasing, or starting on a smaller scale with a trailer. Some marketing trials may be conducted using industry-wide mobile trade shows.

Most trials should be run for a minimum of 12 months to collect adequate data, so frequently rebuilding a used commercial van or even a recreational motor home seems attractive. There are a few commercial units available if they can be found, but they usually don't last very long.

Finding a used motor home is much easier, although the potential buyer is advised to get expert assistance in selecting the right one. Many of them, particularly the older units, are structurally designed to utilize their cabinetry and partitions as load-bearing members. Major alterations may weaken the shell.

Another problem is that rebuilding frequently becomes

so expensive it is impractical. Sidewall and ceiling frame members, if any, are located incorrectly for your needs. Removing cabinetry exposes large holes or creates damage necessitating new walls or ceilings and available utilities such as 110v generators prove too small for your needs. Unless you can get by with minimal changes, a used motor home is usually a very risky investment.

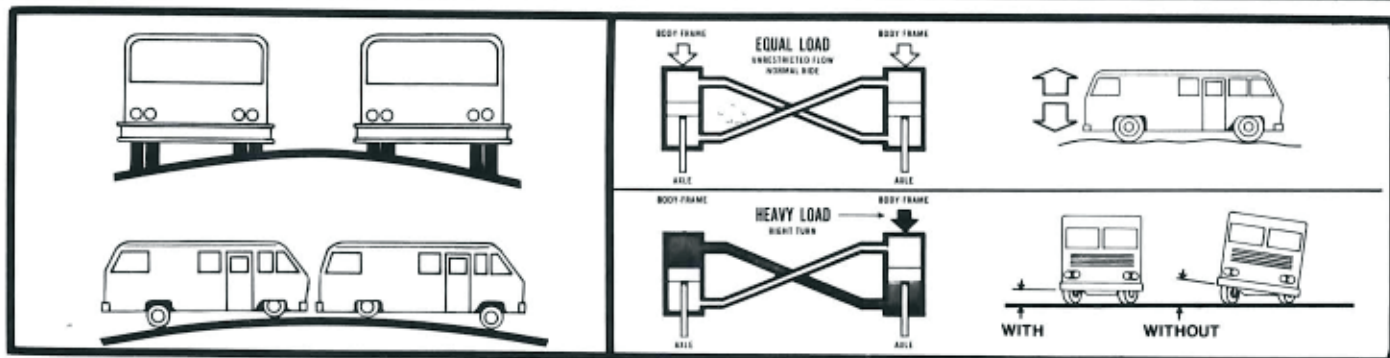
Short term leases for commercial vans are not yet practical, although this may change over the next few years. Lack of an established market prohibits the leasing companies from assuring themselves that they can split acquisition costs among many clients, so you'll likely wind up paying 80% - 90% of the purchase price, all of the customization costs, interest, and fees over the life of the lease.

A few industry trade publications have organized cooperative "mobile trade show caravans" where exhibit booths in a semi-trailer may be leased for a tour that includes stops at the participants' major common accounts across the country. You arrange for the space you need, put up a display, and schedule personnel to man the booth at each stop. If your prime concern is the value of taking your product to the customer, and a program is available, this may be a valuable test.

(continued on page 4)

THE MOBILE MART

"Products of Interest to Everyone"



ATI LEVEL CONTROL

ATI LEVEL RIDE

Ever had a gust of wind or a sudden swerve threaten to put you in the ditch? Or someone open the door and cause your van to rock on its springs just as you were pouring from a beaker of acid? If stability of your commercial vehicle, both while parked and underway, is important it might be worth your while to check into stabilizing systems.

Most such systems fall into one of two categories - stabilizer bars to help absorb motion underway, or hydraulic or mechanical jacks to lift the van off its springs and level it while parked. And both have their definite limitations.

Only one system we know of serves equally well in both functions - the ATI "Duo Level." It is unique in that it utilizes four hydraulic cylinders installed between the axle and frame, one at each wheel. On the road the cylinders are programmed to counteract side-to-side body movement with an equivalent opposing force. Its

unnerving to the experienced driver of large commercial vans - in the middle of a sudden emergency swerve he's braced for the violent reaction that never comes! The novice driver won't know what he missed.

Once parked, the same cylinders are used as jacks to pull down or raise their respective corners for a maximum 6 inch variance side-to-side or front-to-back. Once the van is level, they are locked in position to eliminate all movement other than the minimal give of the tires. And if the driver should forget to free them before driving off he'll quickly be reminded by the harsh ride well before any damage occurs.

Installation of a Duo-Level System is an investment in safety, as well as a convenience. It may be installed on most motor offices in less than two working days. For more information just ask about it when requesting your complimentary subscription to Mobile Technology News. Call us today at 319/393-7456.

RENOVATION SAVES \$\$ (cont.)

Selecting a house to perform this work requires care. The original upfitter may be best if you have confidence in his ability to correct problems that may have been of his own making. If not, look for someone familiar with the unique characteristics of mobile design problems. Few exhibit houses, for example, have the specialized experience necessary to construct displays that flex to absorb road shock without damaging the vehicle structure to which they are attached. Utilizing standard laboratory or office furniture can cause the same problems.

A second important criteria is the capability of your renovator to handle all of your problems from the chassis through on-board systems, as well as cabinetry or displays. That way you will establish definite accountability and avoid the coordination hassle that can turn seemingly simple problems into a nightmare of "buck-passing."

Once you've selected the firm to do your work, it's still your responsibility to see that they have all the necessary information to diagnose the problems. Detailed records of past servicing, an opportunity to confer with your drivers, and a complete understanding of your programs and objectives will help insure that the work is done to your satisfaction.

A well-planned renovation program may be your answer to continued success under the restrictions of a tight budget.

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TRIAL VENTURES (cont.)

A customized commercial trailer is one alternative too frequently dismissed by mobile program innovators. The advantages are many: lower initial investment, efficiencies of re-using prototype cabinetry and expensive equipment such as generators in the next vehicle, more favorable lease programs, and a substantial resale market for both the trailer and the towing vehicle after your trial is over.

Handling a trailer isn't as difficult as it is frequently imagined, particularly if you utilize the driver - salesman/technician approach and just train one person. Although exterior appearance and initial impact may not be as substantial in a trial marketing program, the interior display may be even more impressive without the restraints of driving compartment and design limitations encountered in self-propelled vans.

•

For more information on rebuilding used units, leasing programs, cooperative mobile trade shows, or a full line of steel-framed trailers call or write Mobile Technology, P.O. Box 756, Cedar Rapids, Iowa, 52406.

• • •

PICKWICK

YOUR MIDWESTERN FULL SERVICE CENTER

FOR NEW:

OR USED:

COMMERCIAL SHELLS / CUSTOM UPFITTING
DISPLAYS / COMPLETE TURNKEY PACKAGES
VEHICLE EVALUATION / RENOVATION
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The PICKWICK Company
Since 1939

Phone 319/393-7443

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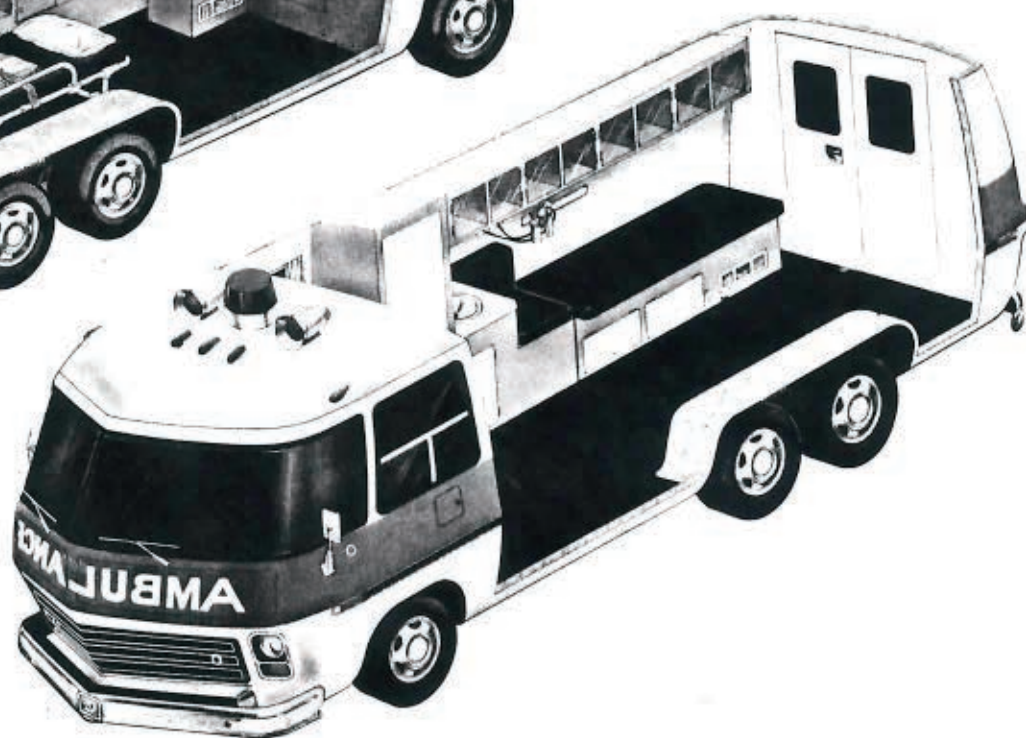
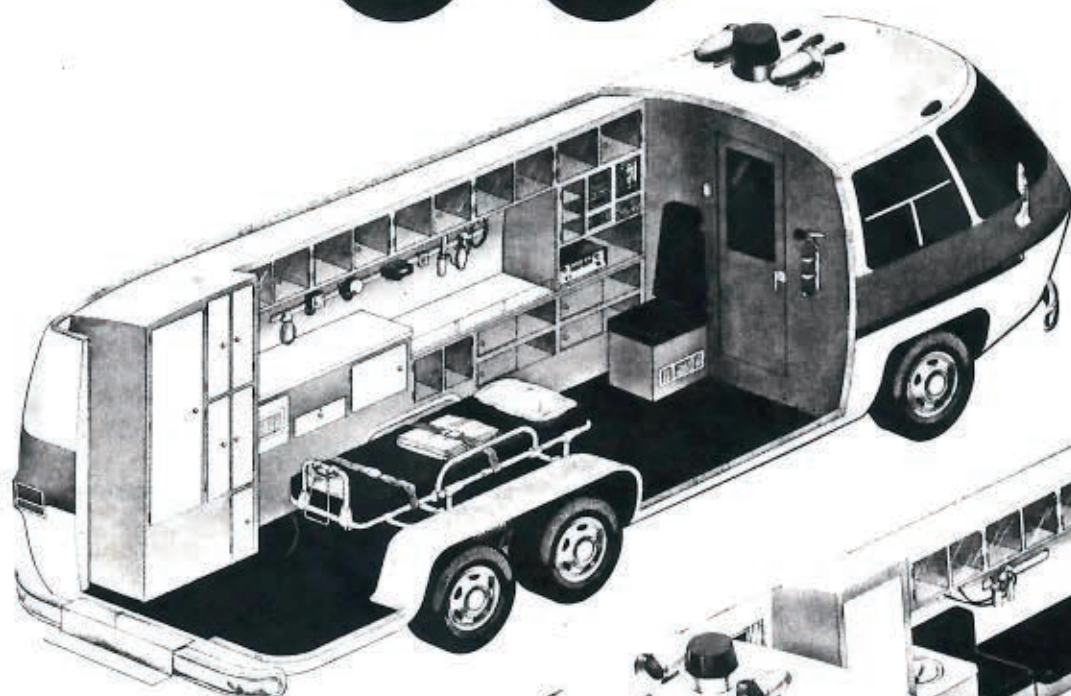
MOBILE
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MOBILE TECHNOLOGY
1125 GLASS ROAD N.E.
CEDAR RAPIDS, IOWA 52406

MOBILE TECHNOLOGY FOR INDUSTRIAL, EDUCATIONAL AND SCIENTIFIC
APPLICATIONS

TELEPHONE 319/393-7456

GMC MEDIC*UNIT



Designed and fabricated by

PARSONS-CUSTOM

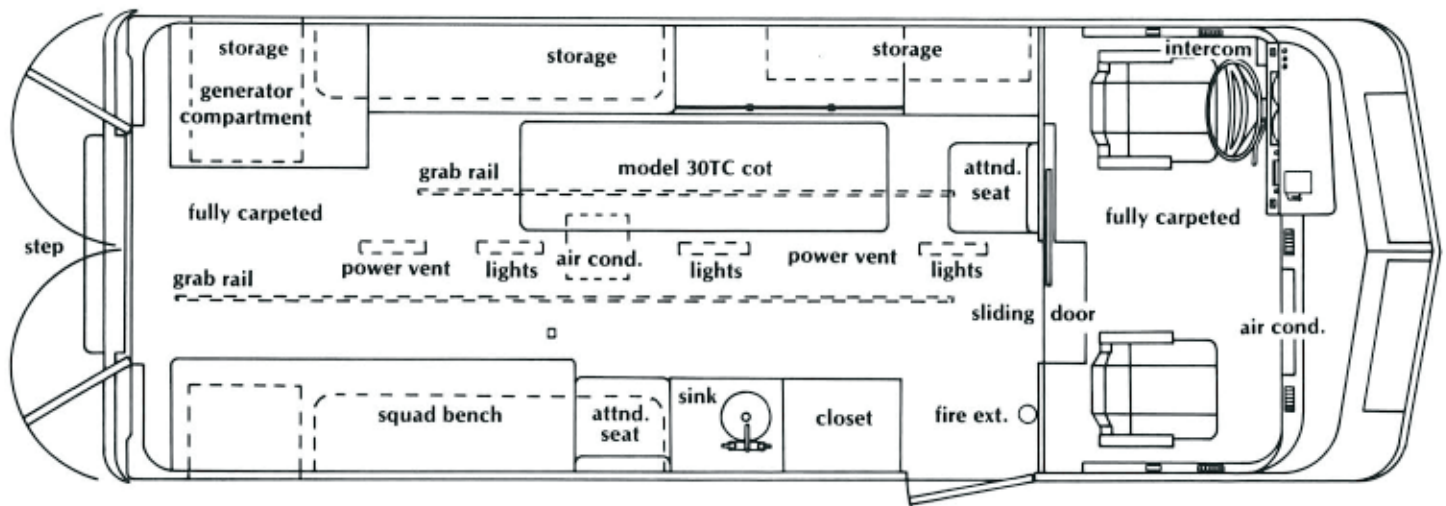
CALL TOLL FREE 1-800-835-0582

PRODUCTS, INC.

P. O. BOX 409, PARSONS, KANSAS 67357



MEDI * UNIT



SPECIFICATIONS

GENERAL

Fully insulated.
 Carpeted throughout.
 Ceiling, walls ABS plastic. Ceiling panels vacuum formed ABS plastic.
 All cabinetry laminated formica.
 All clear plexiglass doors and cabinet fronts.

EXTERIOR BODY/MODIFICATIONS

GMC 23 ft. motorhome chassis.
 Fabricated fiberglass rear end cap and doors.
 Oxygen storage compartment and door.
 Chrome safety step bumper, designed for 2.5 m.p.h. impact capability.
 Special paint and markings.

LIGHTS AND SOUND EQUIPMENT

- 1- RV46 rotating beacon.
- 1- Federal PA20A electronic siren/public address system, with noise cancelling microphone.
- 2- Federal CP-25 chrome speakers.
- 4- 8" red alternate flashing lights, 2 each side.
- 6- 4" red alternate flashing lights, 2 grille mounted, 4 on rear.
- 6- 6" clear sealed beam floodlights, 2 rear, 2 each side.
- 2- 6" clear sealed beam spotlights, one each side.

ENVIRONMENTAL CONTROLS

- 2- 12 volt power vents in patient compartment.
- 1- 13,000 BTU 110 volt air conditioner.
- 2- 1500 watt electric heaters with squirrel cage blowers, thermostatically controlled.

MEDICAL EQUIPMENT

Model 30TC patient cot.
 1- 8', and 1- 4' modura rail.
 Complete oxygen/suction system, includes 2 oxygen outlets, one suction outlet on each wall, 4 flowmeters, 2 nebulizers, delivery tubing and masks. Suction system includes outlet on each wall, vacuum pump, precision regulator and necessary hardware.
 Manual resuscitator.
 Sphygmomanometer, with velcro cuff.
 Pulse tachometer, with attaching swivel arm.
 Stop clock, with bracket.
 Cardioscope, portable, AC and battery operated.
 Chart recorder, single channel, AC operated.
 Cardio-Aid, portable DC defibrillator.

ELECTRICAL

Dual battery system.
 Onan 6000 watt generating set.
 2- 50 amp 120 volt - 12 volt power converters.
 4- Duplex interior convenience outlets.
 2- Waterproof exterior power outlets.
 Ship-to-shore power selector switch.
 Entrance circuit breaker panel.
 All 110 volt wiring in steel conduit, all 12 volt wiring in plastic conduit.
 All interior compartments, and interior lighting to be 12 volt, high intensity.

MISCELLANEOUS

Fire extinguisher.
 Intercom system.
 Silent signal system.
 Grab rails in patient compartment.
 Vinyl upholstery on squad bench and technician seats.
 Water system, demand type, 12 volt operated.
 Aircraft type drapes on windows in patient area.

DESIGNED AND FABRICATED BY

PARSONS CUSTOM PRODUCTS, INC.

CALL TOLL FREE 1-800-835-0582

P. O. BOX 409, PARSONS, KANSAS 67357

THE SIGN OF QUALITY

ANOTHER
CUSTOM INTERIOR
BY

PICKWICK

CEDAR RAPIDS, IOWA 52406

don't settle for less!

Looks easy doesn't it?



If you believe it is, chances are you and your management are in for a big surprise.

A project of this magnitude takes a lot of work. Not just in vehicle procurement and upfitting but in the program planning, program implementation and annual operation. Let's face it, a commercial vehicle is no more than a tool. It should be designed to give maximum service with minimal maintenance. Think about that.

What very few people consider is that program planning and annual operating schedules should be considered before the vehicle is selected and the interior layout is planned. WHY? How else can you determine how and where the vehicle will be operating? How many square feet of floor space will be required and what size chassis will you specify? What vehicle options are really required? What type and size environmental system is required? What will the daily use of the vehicle really be? What equipment or products must be installed in the vehicle? What is their weight and size, possibly even electrical requirements? How much storage will be required? What driver technique will you use and will a driver's personal closet be required? Will an on-board generator be required to make the vehicle more efficient? If so, what are your total power requirements? And the list goes on.

At PICKWICK we know what it takes to put together a practical and viable vehicle that will perform your mission in an economical fashion. This doesn't necessarily mean at the lowest initial procurement cost. The real key is to purchase a vehicle and interior that will lower your annual operating costs while giving you maximum performance every day it is in the field. Return on investment is the real key.

But before we'll go to work for you, we ask the questions that need to be asked. PICKWICK has a reputation to maintain and it is based solely on your success. We'll work hard to help you and insure your success.

If you would like to make a sound investment in a mobile vehicle program rather than just an expenditure, call or write PICKWICK today.

PICKWICK /

1120 GLASS ROAD N.E. • CEDAR RAPIDS, IOWA 52406
AREA 319/393-7443

From National Seating

a choice of three
special deluxe

CUSH/AIRE

air-suspension
driver's seats

designed especially
for the

*owner/
operator*

the right answer
for the

*long-haul
driver*

who spends his
working day
behind the wheel



NATIONAL
SEATING
COMPANY



FIRST IN
AIR
SUSPENSION
DRIVER'S
SEATS

Pair up your choice of driver's seats with a style-matched adjustable companion seat

Matched comfort for the rider, too. These deluxe companion seats offer the same adjustability found in the driver's seat but without the fore-and-aft track and seat height adjustment. They perfectly match the drivers' seats in styling, quality materials and quality construction.

A big added comfort feature...the Chugger-Snubber is also a standard feature on these deluxe companion seats. No chugging and back-slap for the rider. And when seat is unoccupied, a special new feature prevents seat oscillation.

Deluxe Cush-N-Aire seats also available in low-profile models

The Hi-Bac Cush-N-Aire drivers' seats illustrated are for installation in COE truck cabs. These same luxury seats are also available in low-profile models for installation in conventional or COE truck cabs (see drawings below). For more complete information, consult your O.E.M. truck dealer, truck parts distributor, or write or phone the factory.

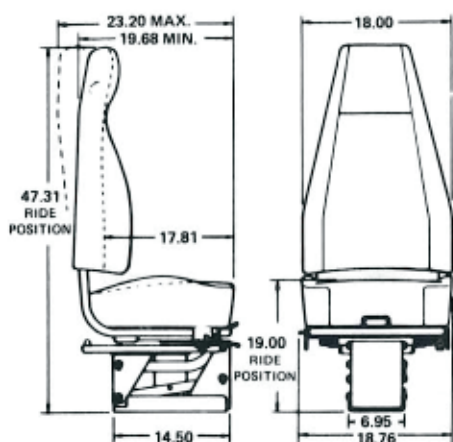


CUSH-N-AIRE WARRANTY

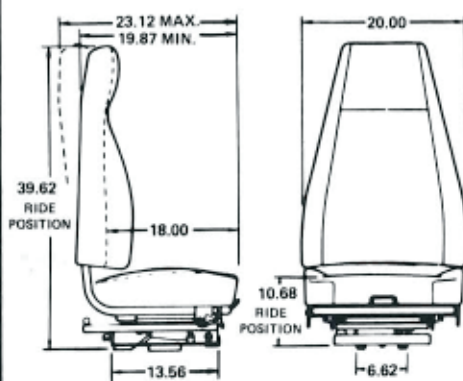
Transportation seating is National Seating's business and only business. It has been for over 40-years. This company stands behind its products and warrants each seat it produces against faulty material and workmanship. When you buy a Cush-N-Aire driver's seat or matching companion seat, you get this Warranty in writing.

All Cush-N-Aire seats conform to FMVSS specifications. Seat belt mounting brackets are standard equipment.

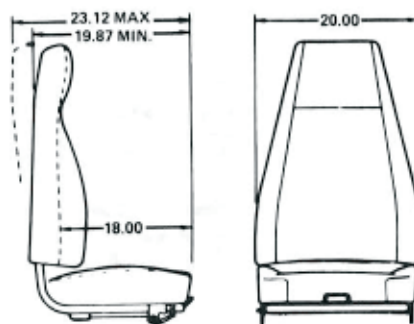
Dimensions shown are for reference only.



MODEL 185



MODEL 186



**MODEL 182
COMPANION SEAT**



largest producer of air-suspension seats for the trucking industry

**NATIONAL
SEATING
COMPANY**

P. O. Box 906 • 555 PARK AVENUE EAST
MANSFIELD, OHIO 44901 • PHONE (419) 524-6811

**NATIONAL
SEATING
COMPANY**
presents the

NEW
Model 1070
intercity recliner
offers more leg room,
more hip room
plus contoured
cushioned
body comfort

...and the
driver
pleasers
...more comfort and
better performance
for the man
behind the wheel

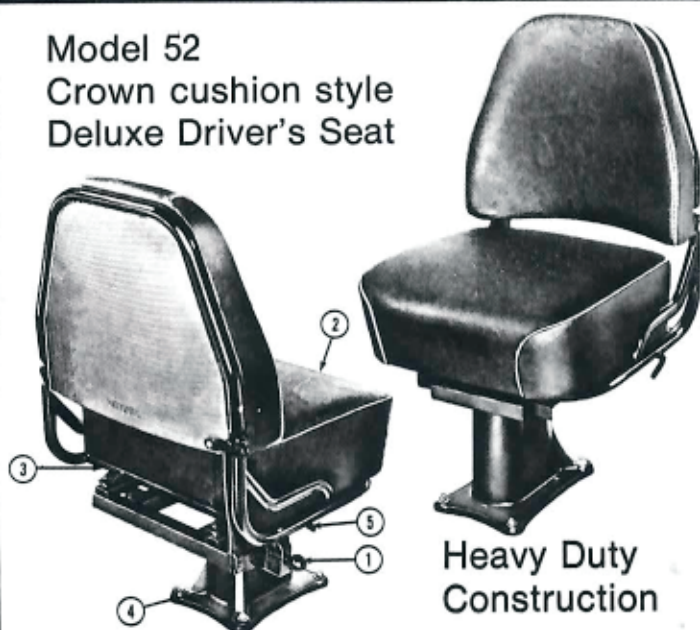


NATIONAL SEATING COMPANY
555 PARK AVENUE EAST • MANSFIELD, OHIO 44903

National's high performance driver's seats

...fully adjustable to
fit every size driver

Model 52
Crown cushion style
Deluxe Driver's Seat



**Heavy Duty
Construction**

Here's the most rugged driver's seat in the bus industry... and equally important, extremely comfortable for the man who spends long hours behind the wheel.

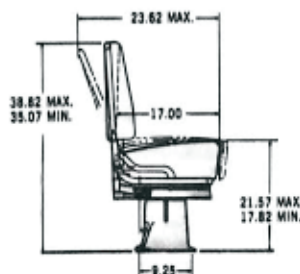
Frame is heavy tubular steel construction. Deep molded urethane foam cushion and backrest. Upholstered in durable 42-ounce black vinyl coated fabric. Outside back is patterned stainless steel. Balance of metal surfaces in black baked enamel for high style contrast. Pedestal mounted seat is easily removed from base (without tools) for interior coach work.

For maximum comfort — over 1700 adjustment combinations

Five different seat adjustments, right at the driver's fingertips, lets him find his most comfortable and responsive driving position. [1] Four backrest tilt settings. [2] Two cushion depth adjustments. [3] Four aft cushion height positions. [4] Six up-and-down adjustments in spring-assisted pedestal. [5] Nine fore-and-aft settings on a double track.

Available Optional Features:

- Tubular upper frame may be stainless steel.
- Upholstered outside back.
- Vinyl coated track cover at back of seat.
- Retractable seat belts — off the floor — out of the way when not in use. DOT approved.



Upholstery materials and seat belt bar comply with DOT fire retardant and safety regulations.

Model 70
Bucket Seat Style
Standard
Driver's Seat



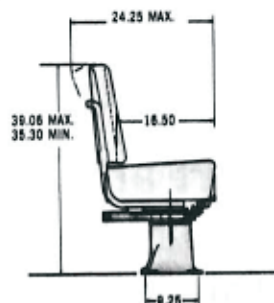
When you compare this seat with others in the same price range, you'll discover deluxe features that make it an outstanding value. For example: Seat cushion is full-depth molded foam urethane for maximum resiliency. Back is 3-inch thick urethane mounted on contoured hardwood plywood. Fabric is durable 42-ounce coated vinyl. Outer back is scuff-resistant anodized aluminum in an attractive leather pattern. Tubular steel frame and other metal surfaces are all finished in black baked-on enamel. Seat includes pedestal-mounted bar for approved seat-belt attachment. Seat is easily removed from pedestal for interior coach work.

Fully adjustable for better driver performance

[1] Four back angle tilt positions. [2] Four aft cushion height adjustments. [3] Three front cushion height and depth settings. [4] Nine fore-and-aft seat positions. [5] Six seat height adjustments in spring assisted pedestal.

Optional Features

- Patterned stainless steel outside back panel.
- Pedestal mounted, fully retractable seat belts — DOT approved.



Upholstery materials and seat belt bar comply with DOT fire retardant and safety regulations.



NATIONAL SEATING COMPANY

555 PARK AVENUE EAST
MANSFIELD, OHIO 44903
PHONE (419) 524-6811

PCP

MARK II

NATURALIZERTM water unit



Bacteria static

A complex proprietary silver ion releasing media inhibits the growth of bacteria in the filter media.

Maintenance free

No moving parts, adjustments or electrical connections. No internal metal parts to corrode or rust. Construction materials are fully certified by the International Association of Plumbing and Mechanical Officials and Southern Building Codes Congress International.

Compact

The MARK II is small enough to fit under most kitchen or bathroom sinks without interfering with valuable storage space . . . only 16"x8"x8". Also ideal for use in Commercial, Marine & RV applications.

Economical

Former users of bottled water find the PCP MARK II less expensive and more convenient than bottled water or other methods of insuring good tasting water for the family. The MARK II will provide treated water for less than 5¢ a gallon, for the average family for up to two years.* An inexpensive refill cartridge is available.

Removes harmful, bad tasting substances

Takes out foreign substances such as insecticides like DDT, pesticides, algae, rust, sediment, chlorine, chloroform, and carbon tetrachloride for better tasting water.

Improves the taste

of coffee, tea, frozen juices—ice cubes, mixed drinks... anything you have been making with tap water.

*Dependent upon input water quality, amount of solids contained in the water source.

EPA Reg. No. 36333-1

EPA Estab. No. 1018-CT-1

PCP MARK II NATURALIZERTM water unit

SPECIFICATIONS

Flow rate (nominal)	0.5 gpm
Operating pressure	40-100 psi
PCP filtering media	approx. 2 lbs.
Unit dimensions	16"x8"x8"
Cylinder material	polyvinylchloride
Faucet	.03
Valve (Self-tapping)	AQZ

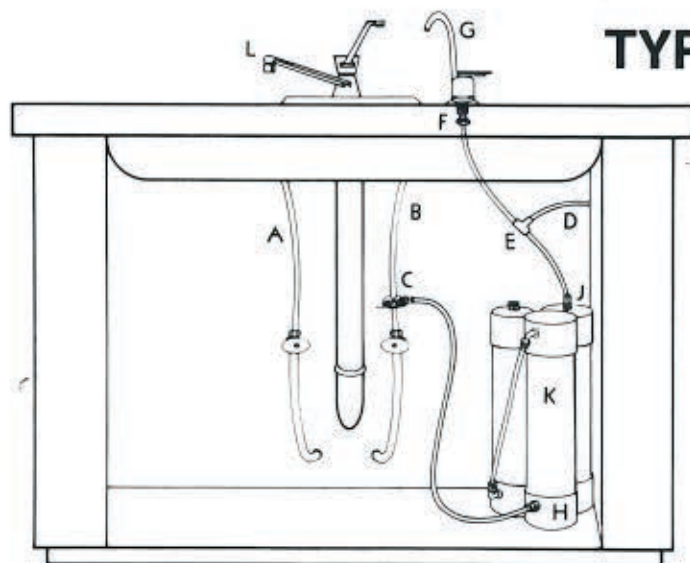


Compact, hidden away, easily installed.



Treated water at your fingertip—
24 hours a day.

TYPICAL INSTALLATION



- A. Hot water line
- B. Cold water line
- C. PCP self-tapping valve
- D. Treated water to ice-maker
- E. T fitting
- F. PCP faucet fitting
- G. PCP water faucet
- H. PCP raw water inlet
- J. PCP water outlet
- K. PCP MARK II NATURALIZER
water unit
- L. Faucet



POLLUTION CONTROL PRODUCTS

1040 Bayview Drive, Ft. Lauderdale, Florida 33304 ■ (305) 563-4241



The shell of the familiar 6-wheeled GMC Motorhome is now being converted into a comfortable 18-20 passenger transporter.

The high mileage (over 10 m.p.g.) Transmode bus fills demands where energy is wasted using larger capacity buses.

Handy luggage racks are located just inside the driver operated automatic door. Tandem axle and air suspension give a limousine smooth ride, while front

wheel drive makes handling a pleasure. Panoramic windows provide for 360° viewing. Totally concealed heating and air-conditioning eliminates roof-top units.

These and other advantages make the GMC Transmode Transporter a truly economical substitute over the box type buses now offered for similar service.

Available from Recreational Industries
5232 Tod Avenue / Warren, Ohio 44485

GMC Transmode Transporter





The shell of the familiar 6-wheeled GMC Motorhome is now being converted into a comfortable 18-20 passenger transporter.

The high mileage (over 10 m.p.g.) Transmode bus fills demands where energy is wasted using larger capacity buses.

Handy luggage racks are located just inside the driver operated automatic door. Tandem axle and air suspension give a limousine smooth ride, while front

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Totally concealed heating and air-conditioning eliminates roof-top units.

These and other advantages make the GMC Transmode Transporter a truly economical substitute over the box type buses now offered for similar service.

Available from Recreational Industries
5232 Tod Avenue / Warren, Ohio 44485



NEW VAN BUS SOLVES ENERGY CRUNCH

Great gas saver. EPA says, "Best gasoline mileage of all heavy passenger cars."

Special seating 12-18 passenger.

Only van-base bus with a full size driver operated hydraulic bus door.

Bubble roof (double insulated fiberglass) provides 6 feet 2 inches of "no stoop" room.

Easy to handle van is popular with lady drivers, even in city traffic.

Transporter — Meets existing federal/state bus requirements.



12 Rent-a-car agencies, motels and airport parking lots say it's ideal.



14 Transit authorities can use the 14 and 16 to feed main bus routes.



16 A front seat on the 16 puts two more passengers on your ridership lists.



18 TRANSPORTER 18 is designed for use with kids. A mini school bus.

FOUR STANDARD FLOOR PLANS

You select the seating arrangement that fits your particular needs.

ABOVE — Passenger door lever is next to the driver. Luggage storage up front.

BELOW — Comfortable lounge seating in the TRANSPORTER 12. Visibility all around.



Introducing Custom Mobility

Specially designed vehicles that take your product or service right where you want it.



Now Road Rescue can design and upfit a Transmode to meet your specific needs.

It's a whole new concept in specialty vehicle design! Road Rescue takes your idea and makes it mobile by custom upfitting GMC's great transmode chassis. Whether you want an entire vehicle designed and built or just need an air conditioner installed, Road Rescue's efficient, experienced crew can handle your job. We'll help you bring your product or service right where you want it... to the people that use it.



Above: Honeywell's Government and Aeronautical Products Division adapted their vehicle for use in testing a complex military aircraft navigation system. The vehicle, with Road Rescue modifications, operates as a completely independent traveling laboratory.

Pictured on top: Road Rescue's experienced staff worked closely with Hennepin County Library personnel to design and build this mobile library. Above: Cat Pumps, Inc., Minneapolis, uses their transmode as a sales display vehicle for exhibiting their pump product line.

Road Rescue's specialty vehicle modification expertise includes:

- Ambulances and special medical vehicles
- Mobile Banks
- Scientific/Diagnostic Laboratories
- Mobile Dental Vehicles
- Bookmobiles
- Sales Display and Promotion Vehicles



ROAD RESCUE, INC.

2161 UNIVERSITY AVENUE, ST. PAUL, MINNESOTA 55114 (612) 646-7977



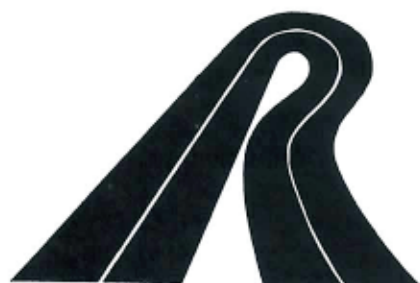
Converting GMC's transmode requires unique technical design expertise. Road Rescue will maximize the advantages and utility of the vehicle for your use. Pictured above is the interior of Hennepin County's Mobile Library. At right, the library's rotating shelves hold paperback books for easy viewing.



Road Rescue adds engineering know-how and quality workmanship to GMC's versatile Transmode chassis.

THE RESULT: Attractive, spacious vehicles designed to give years of active service.

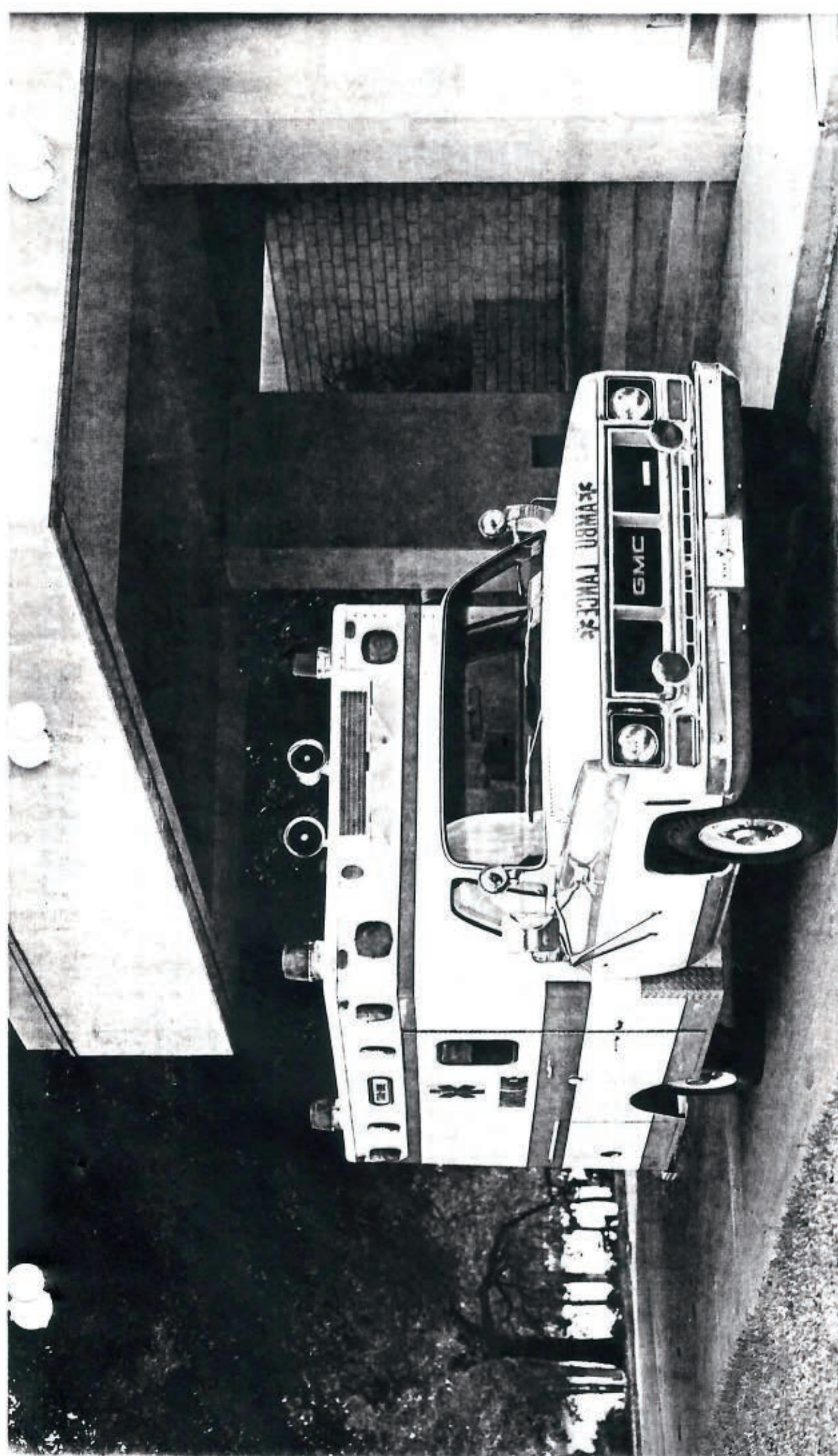
Right: Pictured is a display area in the Cat Pump's vehicle designed to exhibit and illuminate four of the company's pump models. Modifications for Cat Pumps also included cabinetry, audio-visual provisions and literature distribution racks.



**FOR MORE INFORMATION CALL OR WRITE
ROAD RESCUE DIRECT**

ROAD RESCUE, INC.

2161 UNIVERSITY AVENUE, ST. PAUL, MINNESOTA 55114 (612) 646-7977



How do they do their job better?

Star Mod" Standard Equipment

Attendant's jump seat and electrical control panel.

Bulkhead storage cabinet.

Cabinets formica finish: Rosewood or White Sparkle.

Cabinet doors smoked plexiglass with felt lined stainless steel track.

Decals: Blue "Star of Life", six (6) barred cross on side, rear and roof. "Ambulance" in reverse image on hood. "AMBULANCE" in forward image on sides and across rear doors (Meets Federal Requirements).

Eight(8) Red flashing roof lights; two front, two rear and two each side with heavy duty motor driven flashing system.

Entrance Doors: Double rear doors and one curb side door with step well. All doors are constructed of heavy gauge .125 formed aluminum reinforced with hat sections and dual interlocking seals. Full length stainless steel hinges. Drip rails on entrance doors.

Exterior compartments: Oxygen compartment at left front with exterior door. Two utility storage compartments left side one on right side and one in rear. Each compartment has a .125 aluminum door with full length stainless steel hinge, double interlocking seal and "D" ring, flush type chrome plated latching handle. Drug compartment inside front of right door step well with lockable "D" ring flush type chrome plated latching handle.

Heavy duty air conditioner and heater in rear, separate controls.

Four(4) two-bulb roof mounted Beacon rotating.

Module heavy gauge unitized steel framing electric welded steel floor. Extra heavy duty steel floor sills.

Heavy gauge aluminum body panels lap jointed and riveted to steel framing. Electrolisis barrier between steel and aluminum. Heavy gauge, one piece aluminum roof.

Insulation: all walls and ceiling spun glass type, 2".

Left wall cabinet full length with action wall and visual storage area. Master emergency switch system.

Paint: White with Omaha Orange accent, other colors available.

Patient's compartment: 60 inches headroom, 138 inches length.

Rear bumper step; lighted.

Rear and side door interior release.

Six(6) Domes: one driver's compartment and five in patient's compartment—four white and one blue.

Six(6) Loading lights; two rear and two each side.

Squad bench with hinged upholstered lid; storage beneath.

Console in driver's compartment with lighted rocker switches.

Two(2) spotlights: combination red flashing and clear spot.

Two(2) lighted identification signs, one each side.

Trim Pads rear and side doors.

"Star Mod" Chassis Specifications, GMC

Air Conditioning: Factory air in dash

Alternator: 130 amp. 12 volt.

Axle: Non-slipping.

Battery: 80 amp, 12 volt.

Brakes: Power, Front Disc.

Bumpers: Chrome front, rear Step-type.

Engine: 454 cubic inch, V-8, 4 barrel

Fuel tank: Capacity 20 gallons

Front Stabilizer Bar.

Glass: Tinted front cab.

GW: 9,000 pounds.

Heater: High output with defroster.

Heavy Duty Cooling.

Heavy Duty Shock Absorbers, front and rear.

Heavy Duty Suspension.

Hub Caps: Bright Metal.

Locks: All Doors.

Mirrors: Outside Jr. West Coast Stainless steel, below eye level. Inside One(1) Day/Night type.

Seats: Two(2) bucket with seat belts.

Springs: Front 1900 pounds each,

Rear 3700 pounds each.

Sunvisors: Dual padded.

Steering: Power.

Temperature: Ampmeter, Oil Pressure gauges.

Tires: 9.50x16.5, 10 ply, Five(5).

Transmission: 3 speed automatic.

Wheelbase: 159.5 inches.

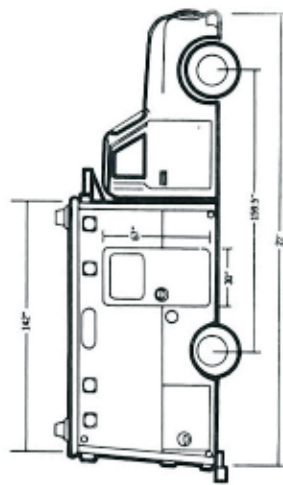
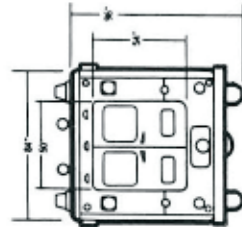
Dual Wheels: Available, 10,000 pounds GVW.

FOR FURTHER INFORMATION, PLEASE CALL:

Star-Line Enterprises, Inc.

P. O. Box 936, Sanford, Florida 32771

Phone (305) 323-0411



*Some of above specifications vary with different chassis makes.

take your pick...



26' "compact" luxury conversions of the quality-built 26-foot GMC TransMode.



35' luxury liners from intermediate charter coaches and large commuters.

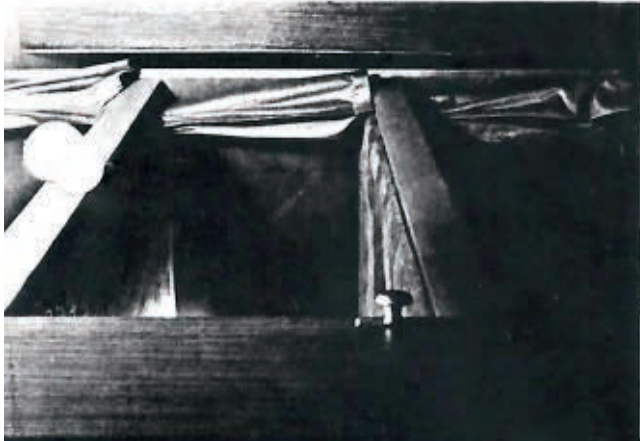


40' maximum luxury liners from transcontinental and large charter buses.

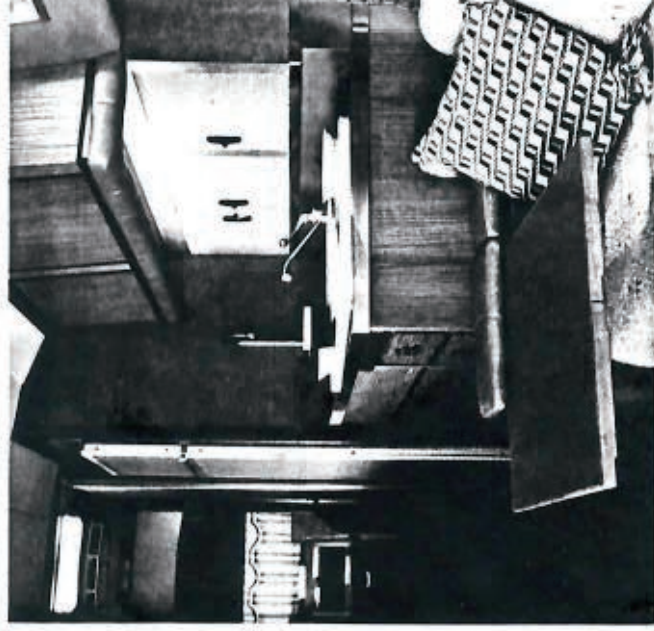
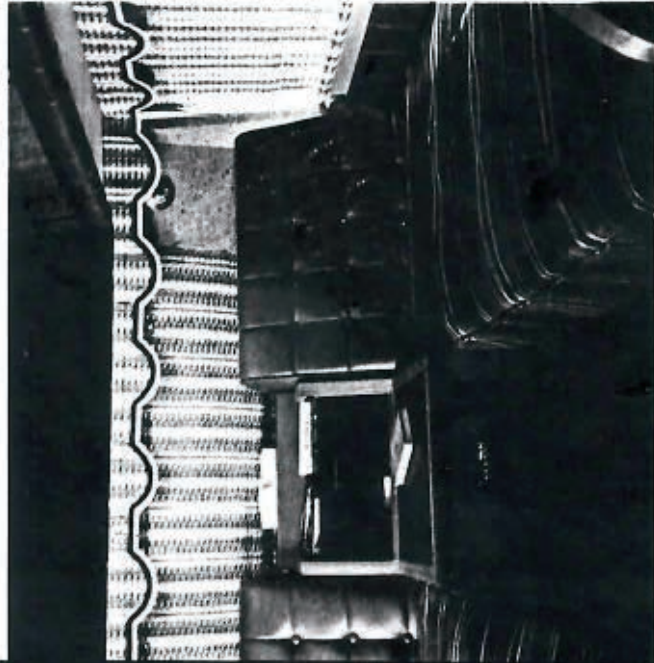
Mr. Phil Sanchez, Facility Manager, will be more than pleased to make all necessary arrangements to provide additional information, details and cost estimates. Please call (213) 390-5083.

BRAGG *luxury*
cruisers

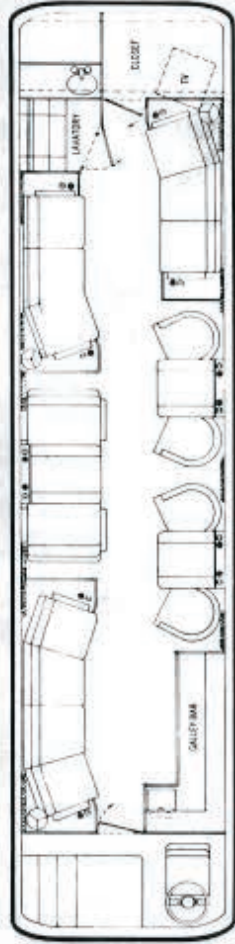
3219 AIRPORT AVENUE, SANTA MONICA, CALIFORNIA 90405



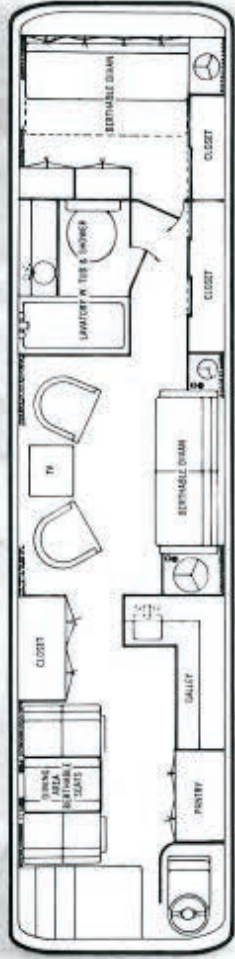
Custom accommodations created, manufactured and installed by Bragg Industries for space utilization in V.I.P. coaches to meet the specifications of various customers.



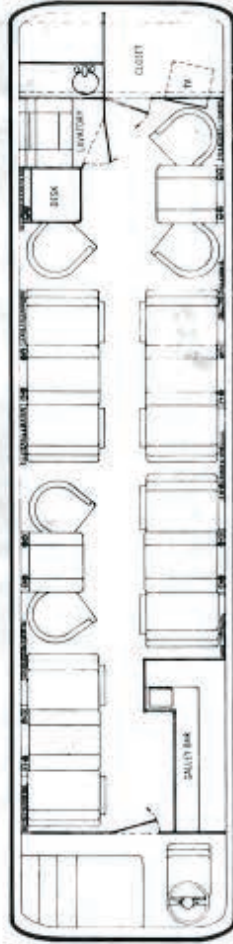
DEALER:



LUXURY CLUB COACH



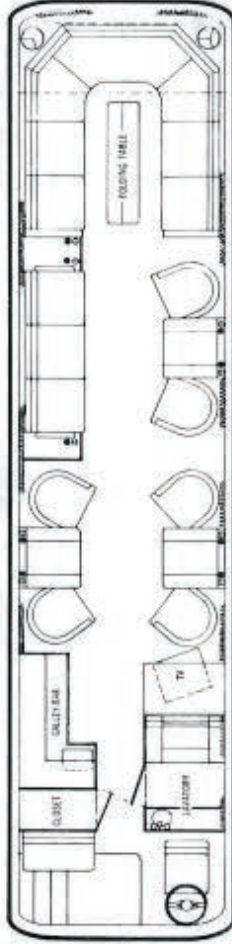
LUXURY MOTOR HOME



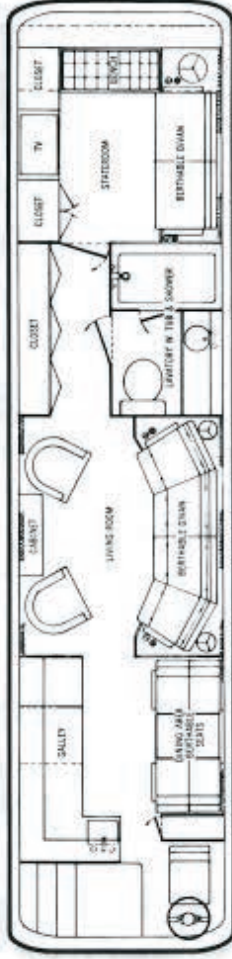
LUXURY COMMUTER BUS



LUXURY MOTOR HOME



LUXURY EXECUTIVE COACH



LUXURY MOTOR HOME

Take off from here... The six samples above illustrate but a few of the ways a 35' bus may be customized to fit the usage planned by the individual buyer. The 26 and 40 footers offer equally intriguing possibilities.

Working with our design, color and materials group, a customer can create a custom facility for cooking, eating, sleeping, entertaining, or business activity...to satisfy the wildest or most conservative taste in transportation luxury.

*You are cordially invited to explore
the quality workmanship and
excellence of design as performed by*

Trans International Trading, Inc.

*25 East Broadway
Derry, New Hampshire 03038
(Telephone: 603 434-0090)*

*Specializing in the expert outfitting of GMC
Transmodes and other vehicles, design
engineering and prototypes, electronics,
art layout and graphics,
the significant lowering of your costs . . .
and increasing of your profits.*