



REQUEST FOR BID

Date: 5/18/10

Bid: 10-17DS

Page 1

RETURN BY OPENING TIME TO:

Purchasing Division

RM 100 City Hall

411 West 1st Street

Duluth, MN 55802

Utility Van Body/Canopy

Buyer: Dennis Sears

Phone: 218-730-5003

Fax: 218-730-5922

BID OPENING, RM 100 AT 2:00 PM ON Thursday, June 17, 2010

Note: All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date. The City of Duluth reserves the right to split award where there is substantial savings to the city, waive informalities and to reject any and all bids. Bidder should state in proposal if bid is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, proposal is F.O.B. shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages must be signed or initialed by authorized bidder's representative as indicated at the bottom of the page(s) of the request for bid forms.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE

BID RESULTS WILL BE POSTED TO THE WEB SITE SHORTLY AFTER BID OPENING

City bid information on website: www.duluthmn.gov/purchasing/bid_information.cfm

Designated F.O.B. Point

Tax: Federal Excise Tax Exemption

Account No. 41-74-0056 K

Item No.	Qty	U/OM	Description	Unit Price	Total Price
1	ea		Utility body van w /canopy outfitted per the attached specifications and description.		

Vendor E-mail Address _____ Freight Charges N/A

Name _____

Addr _____

Total Bid Price _____

(To include any additional pages)

Payment Terms _____

By: _____

F.O.B. Point N/A

(print title)

Delivery Date N/A

(signature) (tele#)

REQUEST FOR BID

INTENT OF MINIMUM SPECIFICATIONS

It is the intent of the following specifications to describe in sufficient detail for the successful vendor to provide and deliver a completed vehicle, ready for service.

- General description: "A Utility Body with Canopy, Liftgate, Air Compressor, Lighting System, and Inverter mounted on a New current model Cab and Chassis, equipped to sufficiently handle the above mentioned attachments, ready for service to the City of Duluth." Per attached specifications.

Minimum Specifications for New Current Year Utility Body Cab &
Chassis Regular Cab 2WD

Diesel Engine** 300 Hp Min / 520 Ft-Lb Min Torque _____

**** (Urea Tank Location (If Applicable) not to interfere
with Mounting of Underbody Air Compressor and Utility
Service Body.)**

#7000 Front Axle with Matched Suspension _____

#17,500 GVWR Minimum _____

State Rear Axle Capacity _____

State Rear Axle Ratio _____

Rear Limited Slip Differential _____

4 Wheel Disc Brakes _____

Multi-Leaf Suspension _____

Automatic Transmission with PTO Provision _____

Transmission Temperature Gauge _____

PTO Electronic Activation Switch _____

Synthetic Automatic Transmission Fluid _____

Automatic Engine Shut-Down W/Alarm _____

152" Wheel Base _____

84" Cab to Axle _____

Fuel Tank - Behind Rear Axle - 32 Gal Minimum _____

Side Exit Exhaust Routing Forward of _____

Right Rear Wheels _____

Rear Shock Absorbers _____

Alternator - 150 Amp Minimum _____

Dual 12V Batteries - 750 CCA Minimum _____

Engine Block Heater 1000-Watt 120V _____

Silicone Hose Package _____

Dual Note Electric Horns _____

Air Conditioning _____

Driver Convenience Package _____

Cruise Control _____

Interior Dome Lamp	_____
AM/FM Radio	_____
Tilt-Wheel Adjustable Steering	_____
Front Tow Hooks - Frame Mounted	_____
Power Wide Load Mirrors with Integral Convex	_____
High-Back Bucket Driver Seat - Manual Adjustment	_____
Two Passenger Cab Provision	_____
Vinyl Seat Material	_____
Interior Back Trim Panel	_____
Tires - Mud & Snow on all wheels	_____
State Tire and Rim Size	_____
Exterior Color - White	_____
Interior Color - Dark Pewter / Charcoal	_____

FIRM NAME: _____

Date: April 6, 2010

Spec. #065-10e

CITY OF DULUTH
MINIMUM SPECIFICATIONS FOR
Utility Body w/Canopy, Lift gate, Air
Compressor, Lighting System and Inverter

Bids to meet or exceed specifications listed below.

General

It is the intent of these specifications to describe these items in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary in order to provide a complete system shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided the trade in general.

Any units not conforming to these specifications as outlined in this invitation will be rejected and it will be the responsibility of the bidder to conform to the requirements unless deviations have been cited in the bid and acceptance made on that basis.

Any additional, deletions or variations from the following specifications must be stated. Reason for variations and deviations must also be stated. These specifications shall be construed as minimum. The manufacturer shall furnish evidence upon request of its demonstrated ability to build equipment of the type described in these specifications. Evidence shall be furnished upon request that the equipment built by the manufacturer has been tested and proven in the market place. Specifications also require that the bidder furnish descriptive literature, complete specifications, and all other necessary data on the equipment proposed to furnish. (Use attachment, if necessary) Furnish copy of manufacturer's warranty.

These items are to be the manufacturer's latest model and design.

Location of parts and service outlets may be used in the evaluation of bid proposals.

Failure to complete all information on questionnaire and bid request form may be cause for rejection of bid.

Parts and Services

FIRM NAME: _____

Date: April 6, 2010

Spec. #065-10e

Because maintenance of this equipment in good operational condition without protracted time out for repairs is very important, it is essential that repair parts and service be adequate and readily available. State location of bidder's service and repair parts facility.

Function

Items listed below will be mounted on a Cab & Chassis with a Diesel Engine. Should the supplied vehicle require a Urea Tank for Emissions operation, the body builder must make sure the tank does not interfere with the mounting of the Underbody Air Compressor and Utility Service Body.

Furnish name, address and telephone number of the nearest parts and service outlet/depot. Attach list of additional parts outlets/depos, if any.

For Parts:

For Service:

Name: _____

Address: _____

Telephone: _____

Delivery

Items installed on the chassis to be bid F.O.B. destination, 4825 Mike Colalillo Drive, Duluth, MN 55807-2731. Each unit is to be delivered in first class operating conditions with acceptance subject to purchaser's inspection and approval.

1a) Utility Body w/Canopy

Manufacturer/Model: Astoria 132VT x 48S Fiberglass Utility Body
w/Aluminum Canopy or approved equal

- 1) 1/8" steel tread plate floor and bulkhead
- 2) Body 94" wide, 58" load bed width, 18" compartment length
- 3) Exterior Color - white (to match truck chassis)
- 4) Molded fiberglass side packs

FIRM NAME: _____

Date: April 6, 2010

Spec. #065-10e

- 5) All interior fiberglass pigmented white
- 6) Lightweight, non-warping door with PVC foam core
- 7) Stainless steel paddle latches all keyed alike
- 8) Fully adjustable door strikers with safety catch
- 9) Automotive style weather strip
- 10) Aluminum tread plate front rock guards
- 11) Stainless steel rear wheel well rock guards
- 12) Stainless steel 14 ga. hinges with 3/16" pins
- 14) All stainless steel fasteners with self-locking nuts
- 15) Aluminum drip rails above all side doors
- 16) Aluminum bulkheads between compartments
- 17) Flush shock-mounted exterior lights to meet FMVSS#108
- 18) Floor drains in front and rear vertical compartments
- 19) Cable door stops on all side doors
- 20) Interior compartment lights with switch in cab
- 21) (2) dome lights in canopy with switch at right rear wall
- 22) Load bed lined with 1/2" plywood at side pack walls & canopy base
- 23) Non-skid coating applied to load bed floor
- 24) (4) full length aluminum shelves in canopy

1b) Street Side Compartments

- 1) Front 1 - (3) adjustable aluminum shelves
- 2) Front 2 - (3) adjustable aluminum shelves
- 3) Center - (1) fixed aluminum divider tray mounted in center of compartment
- 4) Rear - (2) adjustable aluminum shelves

1c) Curb Side Compartments

- 1) Front 1 - Steel transverse compartment with (3) 4' x 21" x 72" drawers on steel rollers
- 2) Front 2 - (1) fixed aluminum shelf mounted 10" down from top of body
(1) fixed aluminum shelf centered in door opening
- 3) Center - (1) fixed aluminum divider tray mounted in center of compartment
- 4) Rear - (2) adjustable aluminum shelves
- 5) Rear Doors - to be approx 70" tall
- 6) Small door in rear compartment (curbside) for hose reel to be accessed. See drawing on Page 5 - Door 6-1/8" wide x 7-1/4" high with gasket attached.

List Manufacturer: _____

List Model: _____

FIRM NAME: _____

Date: April 6, 2010

Spec. #065-10e

2) Liftgate

Manufacturer/Model: Thieman TVL16 65x36x5 or approved equal

- 1) Steel platform
- 2) 1,600 lbs capacity

List Manufacturer: _____

List Model: _____

3) Air Compressor

Vanair 185 UDEC Air Compressor Package or approved equal

- 1) Power take-off drive
- 2) Electric throttle control for diesel truck engine
- 3) Air dryer and filter system
- 4) Oil cooler
- 5) Lubricator/oiler
- 6) Hose Reel - Reelcraft Auto-Retractable Hose Reel
 - a) 3/4" Hose ID
 - b) 50' capacity - self-locking
 - c) Ported through rear curbside compartment
(See drawing - Page 5)
 - d) Mounted at top of compartment
 - e) 3/4" high volume
filter/regulator/lubricator
 - f) Curbside rear compartment

List Manufacturer: _____

List Model: _____

FIRM NAME: _____

Date: April 6, 2010

Spec. #065-10e

4) Lighting

Whelen Lighting or approved LED equal

- 1) (8) 700 Series Surface Mount LED light heads (70A02FAR)
- 2) (1) Illuminated Light switch mounted in cab for LED lights
- 3) (2) Scene Lights mounted above rear doors (TS201HGC)
- 4) (1) Illuminated Light Switch for Scene Lights mounted in rear of Utility Body
- 5) Contact Fleet Services for mounting locations @ 218-730-4440

5) Inverter

Airpax Dimensions 12X25 DC to AC Power Inverter or approved equal

- 1) Mounted front street side compartment on top
- 2) Output 2,500 Watts 21 Amps AC
- 3) In-line safety fuse
- 4) (2) 110 Volt GFI receptacles at rear box

List Manufacturer: _____

List Model: _____

6) Back-Up Alarm

- 1) Electronic, variable sound

List Manufacturer: _____

List Model: _____

FIRM NAME: _____

Date: April 6, 2010
Spec. #065-10e

7) Rear Auxiliary Heater

Maradyne 8000 rear heater or approved equal

- 1) 20,000 BTU
- 2) Heater line insulation w/ pipe wrap
- 3) Line shut-off valve under hood
- 4) Mounted in service body - forward / on curb side

List Manufacturer: _____

List Model: _____

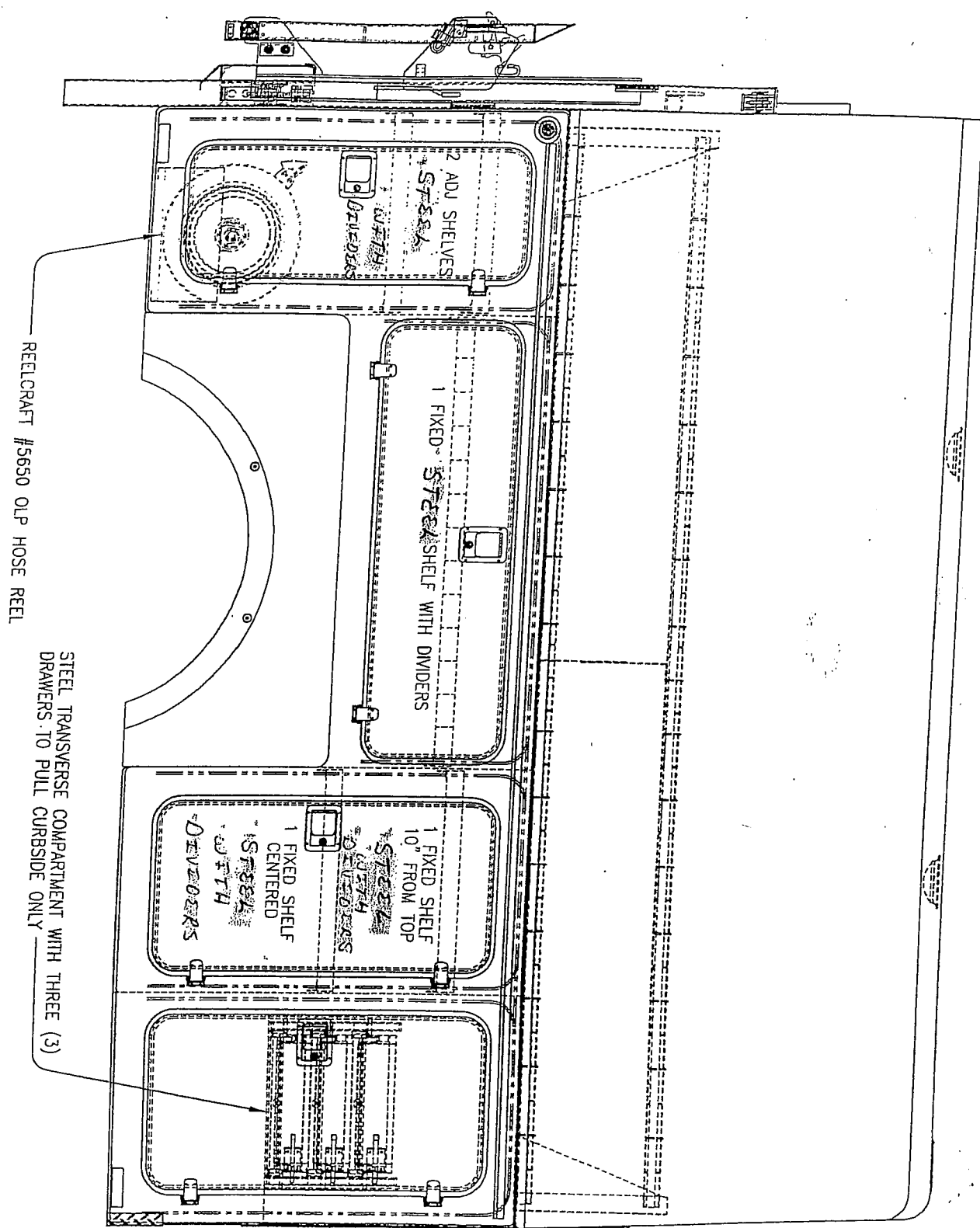
8) Remote Lighting

GO-Light Model 2067 - Color: White

- 1) Exclusive CRS Pentabeam
- 2) 400,000 Candle Power
- 3) Dash-Mount remote
- 4) Weatherproof

Include installation on all items listed above.

NOTE: Drawing attached

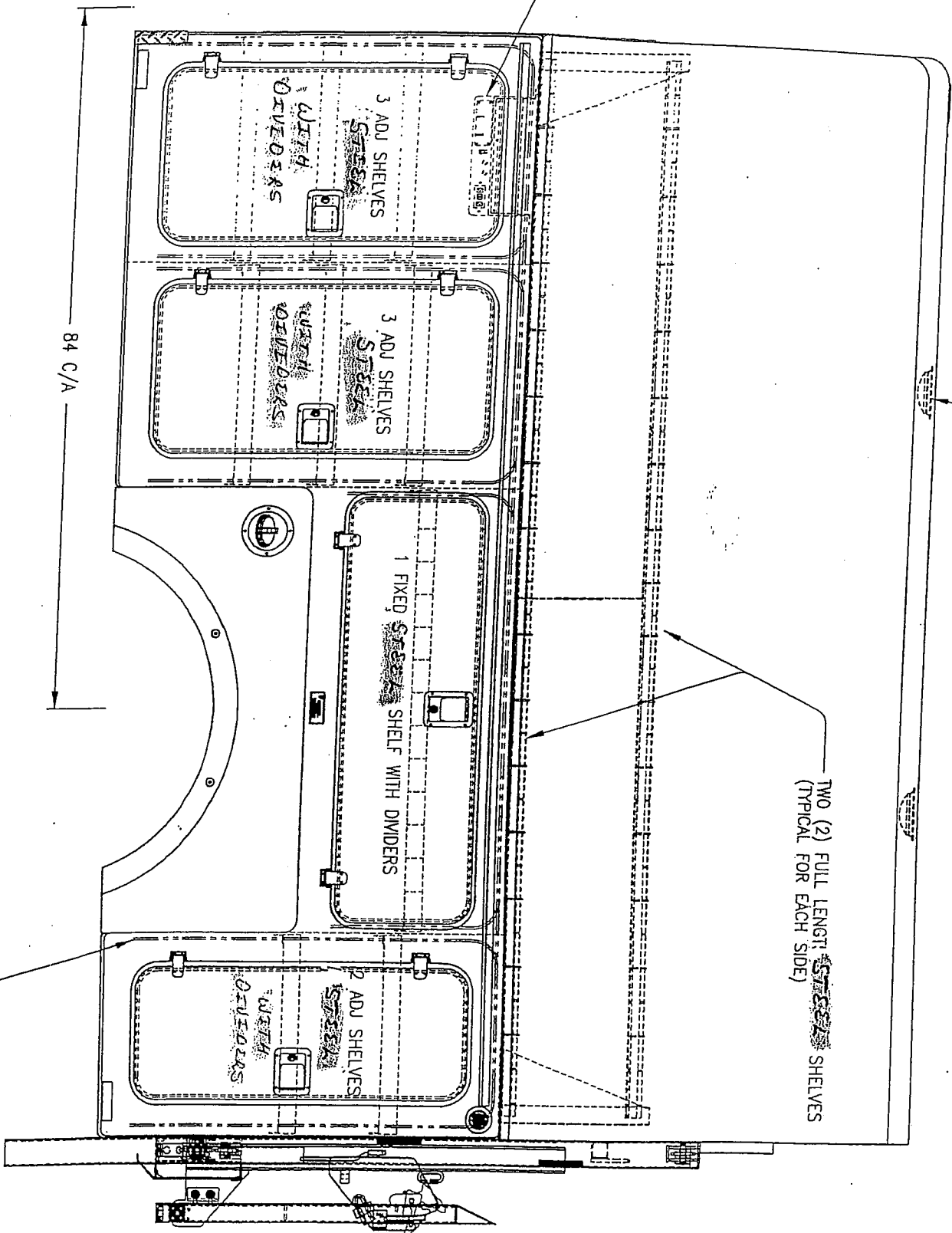


— DOME LIGHT
(TYPICAL FOR TWO PLACES)

DRAWING
PAGE 1

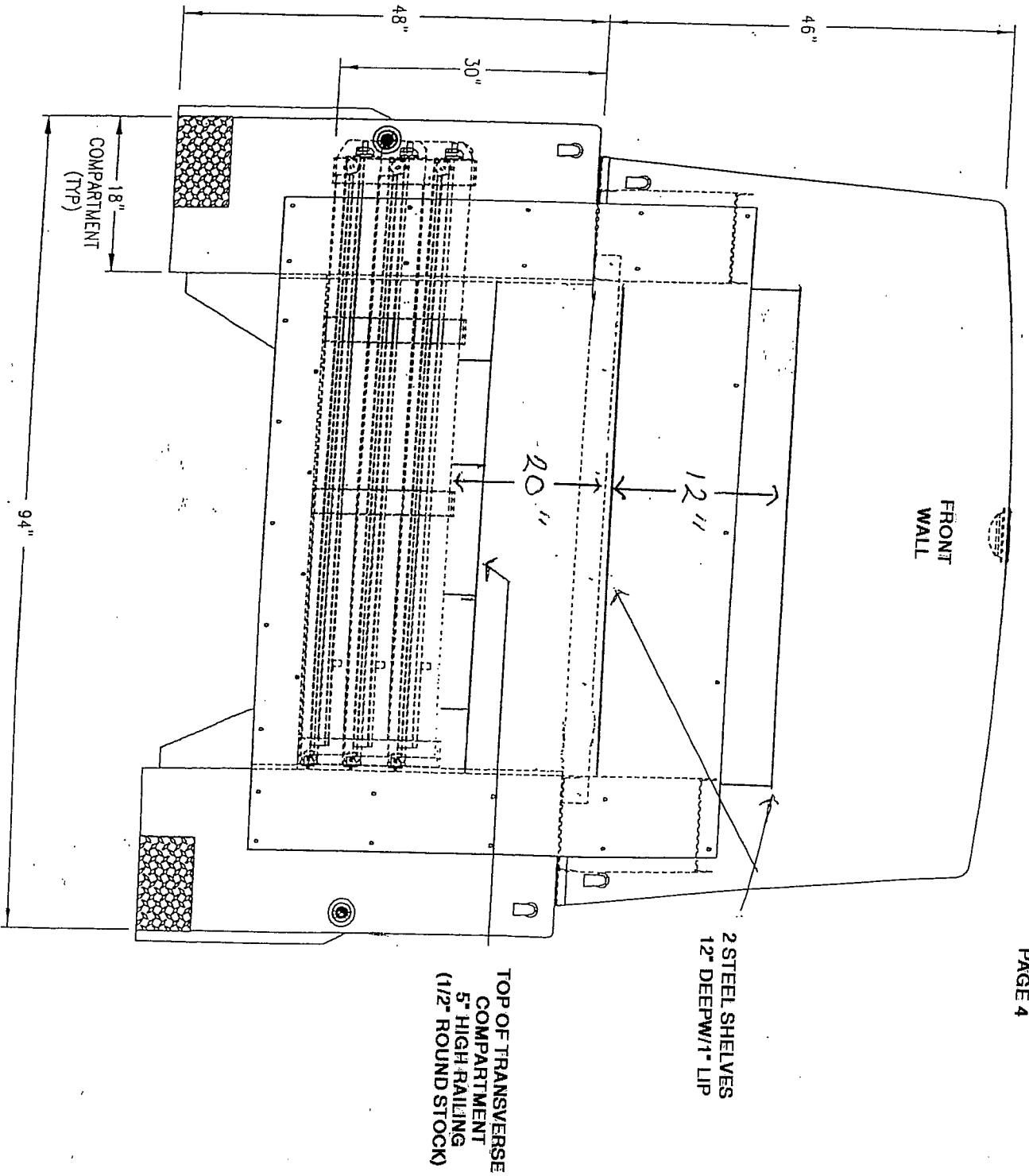
— TWO (2) FULL LENGTH ~~STEEL~~ SHELVES
(TYPICAL FOR EACH SIDE)

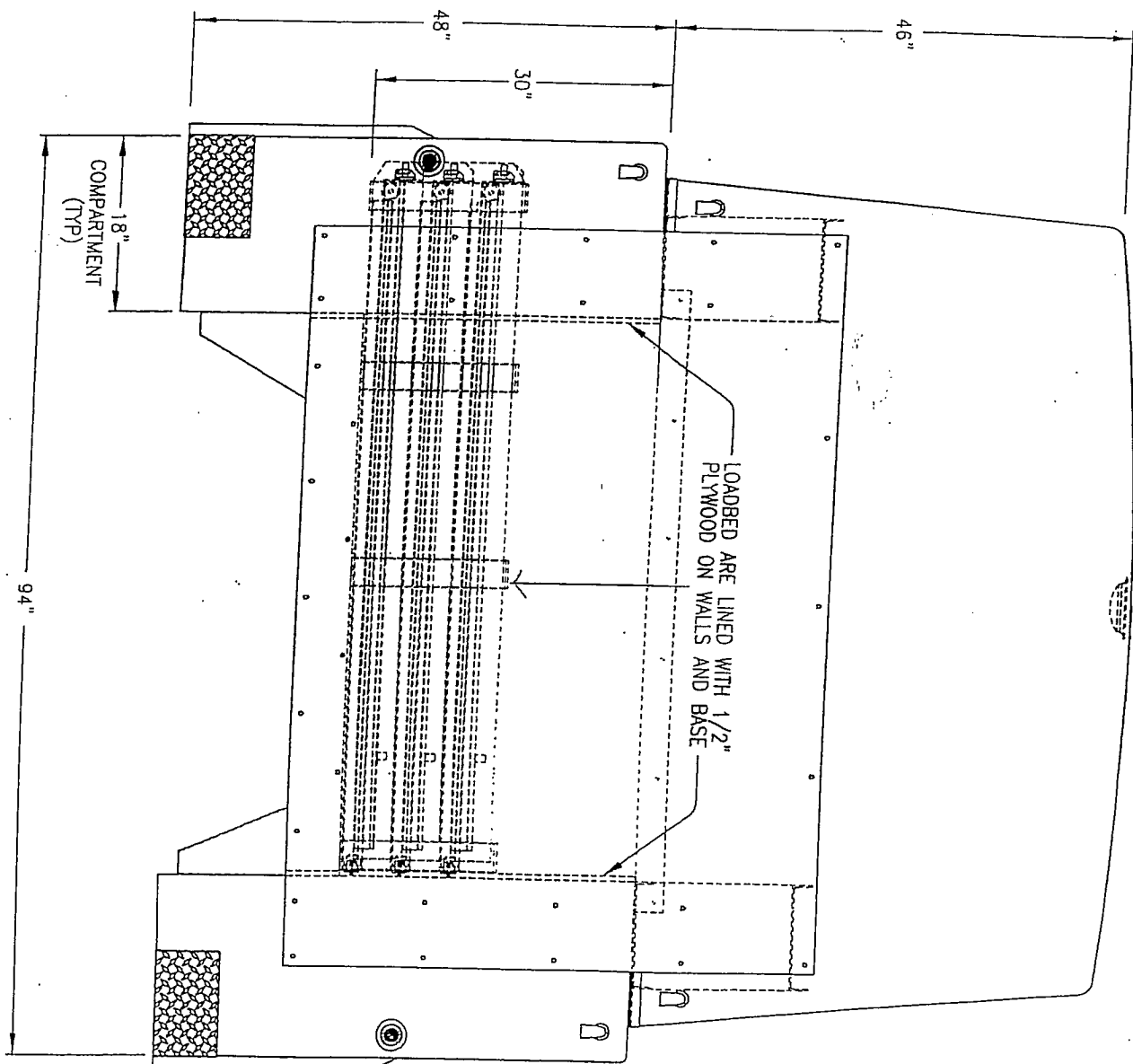
DIMENSION DUI 12/25
INVERTER



84 C/A

— FLEXIBLE LIGHTING IN ALL COMPARTMENTS
WITH MASTER SWITCH IN CAB





WHELEN HALOGEN LIGHT
TS201HGC WITH SWIVEL BRACKET HOUSING

DRAWING
PAGE:5

WHELEN SURFACE MOUNT
LED LIGHT 70A025FAR

2 ON FRONT - 2 ON REAR
2 ON EACH SIDE

72-1/4"

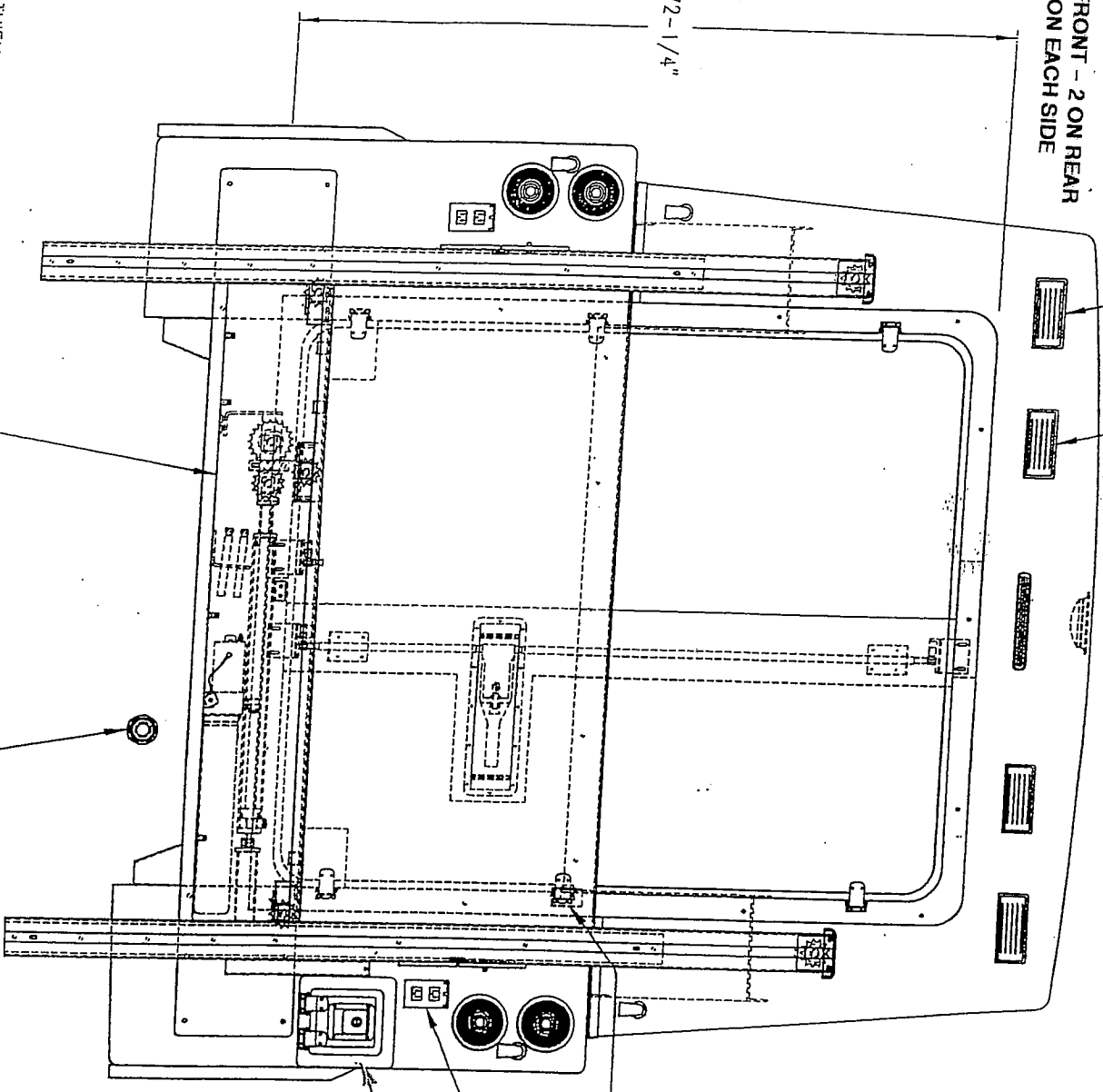
(A) THIEFMAN RAILGATE #TYL16-65X36+5

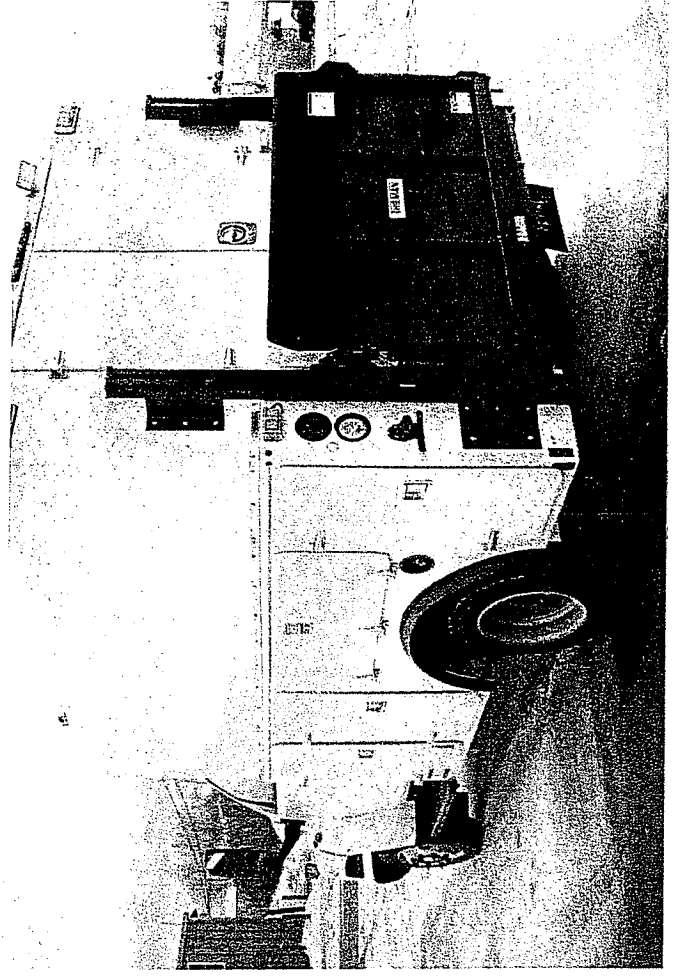
ELECTRONIC BACK-UP ALARM

DOOR FOR HOSE REEL
(DOOR DIMENSIONS
6-1/8" WIDE X 7-1/4" HIGH

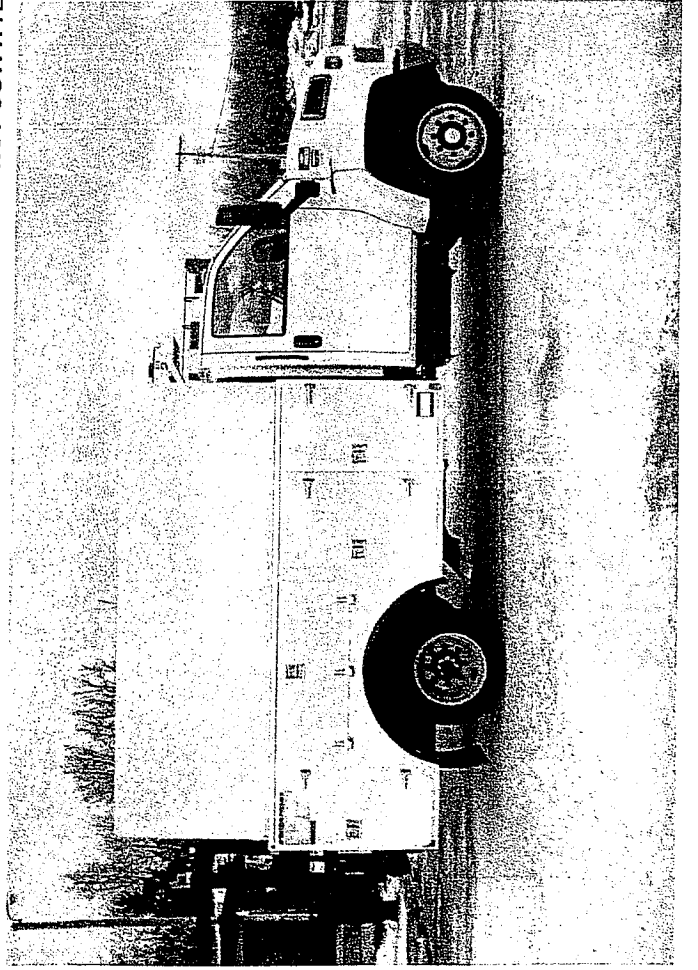
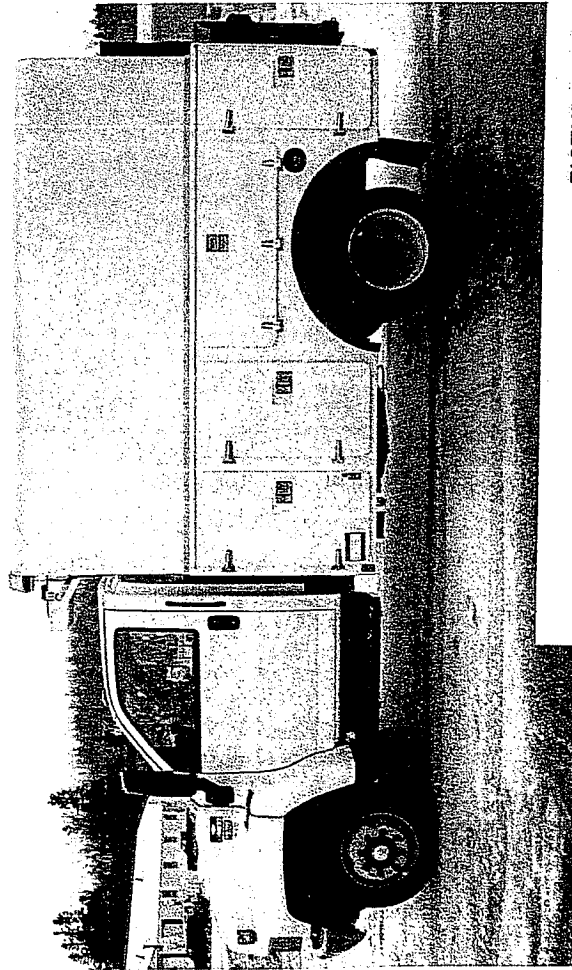
GFI OUTLET BOX
(TYPICAL FOR EACH SIDE)

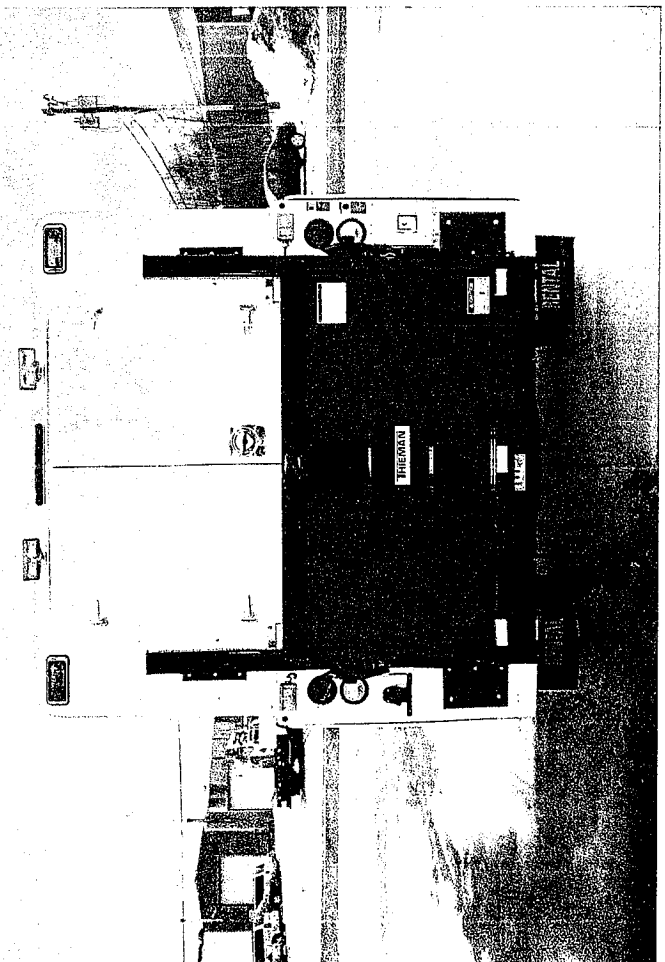
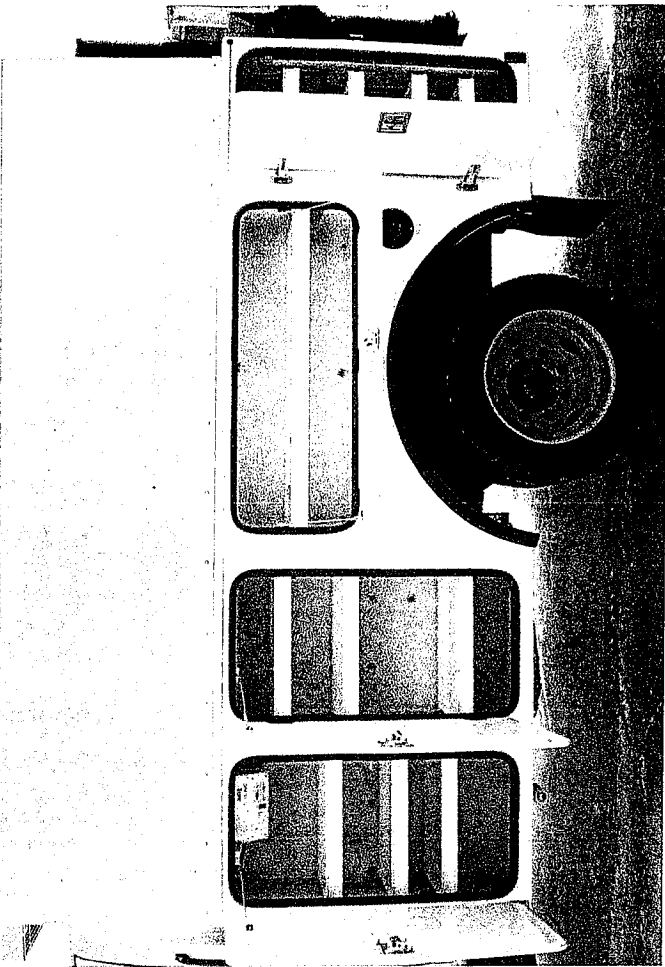
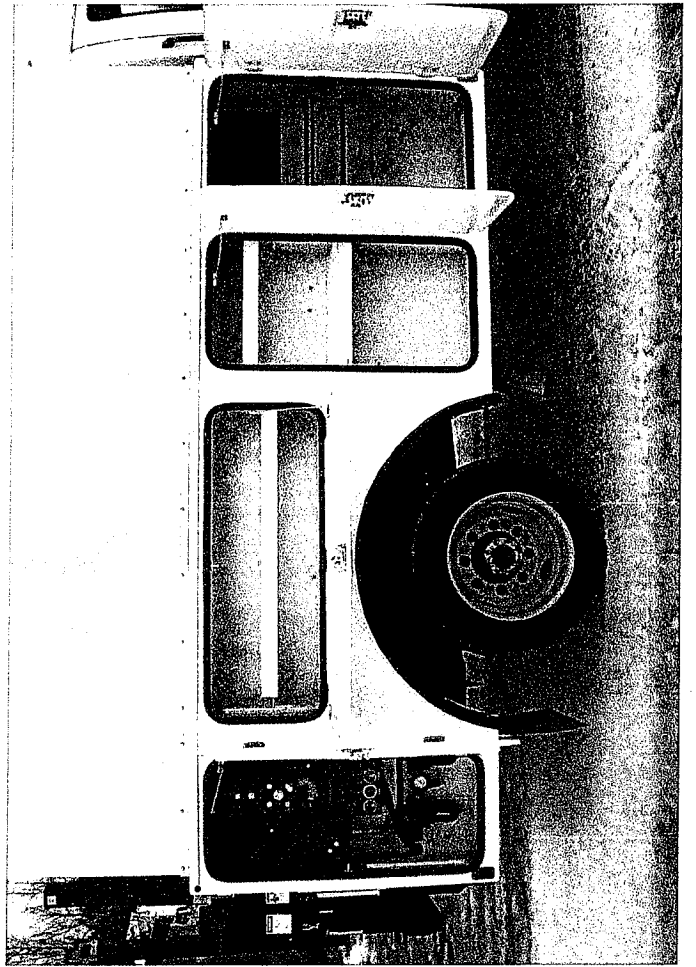
DOME LIGHT SWITCH





PICTURES ARE FOR REFERENCE ONLY.
VEHICLE IN PICTURE IS NOT OUTFITTED EXACTLY AS THE ONE IN THE BID REQUEST.





IMPORTANT SAFETY INFORMATION

★ This symbol is to alert you to important operating or servicing instructions that appear in your instructions. Always follow basic safety precautions when using this product to reduce the risk of injury, fire or electric shock.

★ This light is for off road and utility use only. It is not designed for road use as a driving light.

★ The Golight® Model 2049/2067 complies with Part. 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This light and remote may not cause harmful interference, and (2) this light and remote must accept any interference received, including interference that may cause undesired operation.

★ FCC RULE Part. 15.21 - Changes or modifications made by the user not expressly approved by Golight, Inc. for compliance could void the user's authority to operate the equipment.

For safe and efficient operation of your Golight®, observe these guidelines:

Using your Golight® in **icing conditions could damage the gear motors**. (Optional dome available - see accessory sheet.)

Always **keep the wireless remote in the raincoat provided**. The remote must be kept clean and dry to avoid damage to the internal circuitry.

Your Golight® is a radio transmitter and receiver operating at 433MHz. Whenever the light is on, the internally mounted antenna sends out and receives radio frequency (RF) energy.

- Modern electronic equipment, i.e. Personal medical devices such as pacemakers, hearing aids, etc., are shielded from RF energy. However, RF energy may affect some electronic equipment.
- Vehicle electronic systems may be affected by RF energy. Check with your vehicle manufacturer representative to be sure that your Golight® will not affect the electronic system of your vehicle.

Three Year Limited Warranty

Golight, Inc. warrants the Golight® against any deemed defects that are due to workmanship for parts or faulty materials, **except lamps**, for three years from the date of the original purchase. This warranty to the RadioRay® does not cover damage resulting from unreasonable use or misuse, unreasonable maintenance or loss, or labor costs.

Mounting the light upside down will void the warranty.

Warranty cards must be filled out and sent in within 30 days of purchase to Golight, Inc. • RT 3 Box 37B • Culbertson, NE 69024, for warranty protection. Register online at www.golight.com.

If the Golight® does fail to operate under warranted specifications, send the **light and remote controls** postage paid, plus \$9.95 for shipping and handling to: Golight, Inc. • Service Department • RT 3 Box 37B • Culbertson, NE 69024. No C.O.D.'s accepted. Only the above manufacturer is authorized to perform warranty repair or replace product.

Any consequential damages to person or property are excluded from this warranty. Some states do not allow the exclusion and limitation of incidental or consequential damages, therefore the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights.

GOLIGHT®

Golight, Inc.
RT 3 Box 37B • Culbertson, NE 69024
800.557.0098 • 308.278.3131
info@golight.com • www.golight.com

Instruction Guide

GOLIGHT®

MODEL 2049/2067

Congratulations

You are now the owner of one of the finest remote control searchlights available today. Thank you for letting Golight® assist you in your lighting application needs. We're proud of our products and the technology that we've developed to ensure our customers the most durable, versatile and powerful searchlights in the lighting industry.

Please read these instructions before using your new Golight®.



U.S. Patent 5,673,989

The Golight® Model 2049/2067 is designed to be permanently attached to a vehicle. The Combination Searchlight with Directional Flexibility is controlled by a wireless remote and/or a dash-mount remote, which gives the operator a full 370° horizontal rotation and a 135° vertical tilt with fingertip control. The Golight® provides superior light penetration with Cr5 PentaBeam™ technology.

The Golight® Model 2049/2067 Includes:

- Golight® Searchlight
- Wireless Remote Control in Raincoat (must be kept clean and dry)
- Dash-Mount Remote with 20' Wiring Harness
- 2 Duracell MN21 Batteries
- Permanent Mounting Gasket
- All Necessary Hardware for Mounting

MOUNTING INSTRUCTIONS

Determine the location for the light on your vehicle or boat. The small arrow on the base indicates the normal forward direction of the light. The light will rotate to the left of this arrow approximately 190° and to the right approximately 190°. The beam will angle down about 45° and angles up to 90°, a full vertical. The location should take into consideration this beam movement to ensure optimum usability.

Once the position and orientation are decided upon—use the black rubber gasket as a footprint to mark the mounting of base to vehicle. Drill 7/64 inch holes for #7 screws to mount the light. Also drill 1/2 inch opening in the center to accommodate the wiring harness.

NOTE: When connecting the plug from the light to the harness, please note the additional ground wires that are not included in the plug. These grounds need to be connected.

Once the plug and grounds have been connected, the plugs and all exposed wires need to be shielded with the enclosed aluminum tape, this will help prevent any interference to your light. The grounding strap at the dash remote also needs to be attached to a solid ground.

To connect the light to the wiring harness, put the gasket on the base of the light and attach the light to the surface.

NOTE: The small drain hole in the edge of the gasket should normally face opposite the forward direction of the vehicle—opposite the arrow molded in the front of the base. Use silicone sealant to fill opening around power cord.

IMPORTANT: Allow 3" of cord to remain under the light to ensure full 370° rotation.

Install the dash-mount control and connect the wiring harness. Connect the positive-negative wires to a positive-negative connection, preferably on the backside of the fuse box. The 12 Volt DC power wires should be joined to the leads under the lamp with appropriate automotive wire attachments. It is critical that polarity be observed. The (+) lead of the unit is marked with a red tag. The power should be fused at 15 Amps and be on an ignition switched circuit if possible.

PROGRAMMABLE REMOTE INSTRUCTIONS

The Golight® is controlled with a programmable remote with 6561 different channels. This feature allows you the freedom to change the channel selection, and the receiver relearns the new selection.

PROGRAMMING THE TRANSMITTER.

This light has been pre-programmed at the factory, and it is not necessary to re-program the transmitter, unless you experience outside interference.

1. **IMPORTANT:** Disconnect power by removing fuse or disconnecting vehicle battery.
2. Remove battery cover from remote control.
3. Set the 7 dip switches to a selection of your choice. There are 3 positions on each; positive, negative and neutral. Use a small screwdriver and select a position for each dip switch. *Please note that the orientation of the +/- switch positions may vary among different models of wireless remote controls.

4. Insert both MN21 Duracell batteries with the +/- in the same direction. Be sure batteries have adequate charge.
5. Replace battery cover.
 - a. Depress the on/off button and hold it down. Red LED will light.
 - b. While holding the on/off button down, reinstall the power (replace fuse or connect vehicle battery).
 - c. Keep your finger on the on/off button for 5-6 seconds, and then release. The light should now be programmed.

OPERATION OF GOLIGHT® MODEL 2049/2067

1. Using the programmable wireless remote control, turn on the light by depressing the on/off button.
2. With the 4-way arrows on the remote control, rotate your light to the desired location. Depending upon conditions, the wireless remote may be used up to 100 feet from the Golight®.
3. The speed of the light rotation can be controlled by depressing the +/- button one time and by depressing it again to restore the original speed.
4. The dash-mount remote can be used to control the rotation and the on/off switch.
5. The spotlight should not be turned on when the snap on lens cover (rockguard) is attached.

BULB REPLACEMENT

The Golight® utilizes a Phillips® H-9 bulb, which may be purchased through Golight, Inc. — 308.278.3131 or 800.557.0098.