

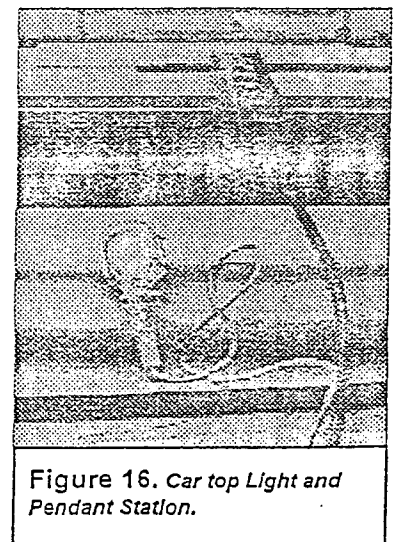
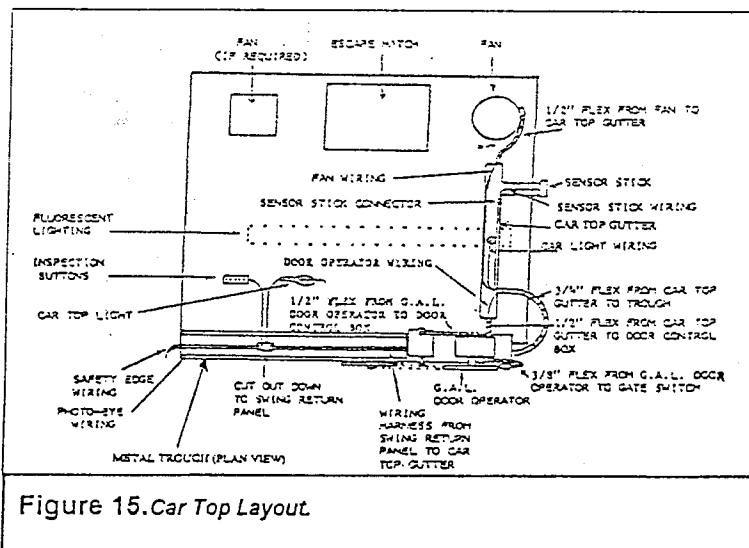
CAB INTERIOR FINISHES		
WALL PANELS	ST.SLT.#4	
HANDRAIL	ST.SLT.#4	
BASE	NA	
FRONT RETURN	ST.SLT.#4	
HEADER	ST.SLT.#4	
CAB DOORS	ST.SLT.#4	
ACCESSORIES		
CAR OPER. PANEL	ST.SLT.#4	TYPE
CAR POSITION INDICATOR	DIGITAL	
PHONE CABINET/GRILLE	ST.SLT.#4	
SERVICE CABINET	Y	
PAD HOOKS	N/A	
PHOTO - EYES	Y	
FAN	INFRARED-THERMOSES	
EST. CAB WEIGHT	FAN2-(STD)	
	2465-LBS.	

TABLE OF CONTENTS

PART	SUBJECT	PAGES
3	ELECTRICAL	7 THRU 10
4	FINISHING TOUCHES	11

PART 3: ELECTRICAL

- 31) Mount the G.A.L. Door Operator. Use the lower G.A.L. Plate Clips provided. Use the long angles for the back of the aluminum plate. (Field drill G.A.L. Hanger Plate for Slide Mount Angle).
- 32) Attach the Car Lighting Unit to the Roof of the Cab using the appropriate hardware, allowing the wiring to hang loose. Then push the wiring through the hole provided in the roof panel. Install the Fluorescent Lamps.
- 33) Install the Drop Ceiling Panel Frame to the underside of the Cab Roof, and then install the Ceiling Panels.
- 34) Install the Car Top Gutter to the top of the Roof. Center over knock out in the Roof Panel. Attach and secure Gutter Extension from Sensor to Top Gutter. For Steps 35 to 40, see Figure 15.
- 35) Attach and secure the 1/2" flex from the Door Control Box to the Car Top Gutter.
- 36) Attach and secure the 3/8" flex from the G.A.L. Door Operator to the Gate Switch.
- 37) Attach and secure the 1/2" flex from the Fan to the Car Top Gutter.
- 38) Install Car Top Wiring Harness. Connect the wires from the harness to the Fan, Car Light, Door Control Box, and the Sensor Stick. Place the wires in the gutter.



PART 3: ELECTRICAL

- 39) Run the wires in a 3/4" flex from the Car Top Gutter to the trough (mentioned earlier). Secure the flex at both ends.
- 40) Pull up the Car Pendant Station and the Car Top Light through the hole in the Header and place on top of Roof away from moving parts. See figure 16.
- 42) Slide the Lower Gutter Extension through hole in the Plank. Mount lower Gutter to the bottom front of the Platform. Slide Lower Gutter Extension to the back side of lower Gutter. Fasten using Super Tek Screws.
- 43) Mount Travel Cable to the Traveling Cable Hanger. Then mount the hanger to the plank. Bolt other end to approximately the second gusset over. Pass the pipe through the hole in the plank channel. There are two holes provided. Be sure to connect the EMT Connector and plastic bushing to the end of the pipe. Fasten using 3/4" long 1/4"-20 bolts and hardware.
- 44) Using care, slip the metal box up and under the front lip of the Platform. Attach the other end to the Platform using Super Tek Screws.
- 45) Slip the loose end of the pipe into the metal box and secure with Super Tek Screws.
- 46) Slide the Traveling Cable through the pipe (in the Plank Channel) to the metal trough at the front (underneath the Platform).
- 47) Pass the end of the Traveling Cable up through the bottom of the Platform up into the Swing Panel. Fasten the end of the Traveling Cable to the inside of the Swing Return Panel using an EMT pipe strap.
- 48) Put a loop into the Traveling Cable at the hitch and secure with Tie Wraps.

PART 3: ELECTRICAL

- 49) Mount the Lower Gutter End Caps.
- 50) Mount Toe Guard in the center of the door opening using the appropriate hardware. See figure 17.
- 51) Attach the Fascia Stiffener Angles to the back of the Toe Guard.
- 52) Mount Toe Guard in the center of the door opening using the appropriate hardware. See figure 17.
- 53) Drop a Plumb Bob from the mark on the Car Header and adjust the Cab postwise until it lines up with the mark on the Platform Sill.
- 54) Place the Car Door on the Door Track. Adjust both sides of Door until the Door is plumb with 1/4" clearance between the Door and Sill, Return, Header, and Strike Jamb. See figure 18.
- 55) Attach the Door Clutch to the Car Door.
- 56) Attach the Door Linkage to the G.A.L. Door Operator and to the Car Door.
- 57) Install the Safety Edge. Align the edge of the shoe so that it is parallel with the door edge.
- 58) Attach the LWZ (Zone) Lock linkage to the clutch. The LWZ lock prevents passengers from opening the car doors when the car is out of the Door Zone.

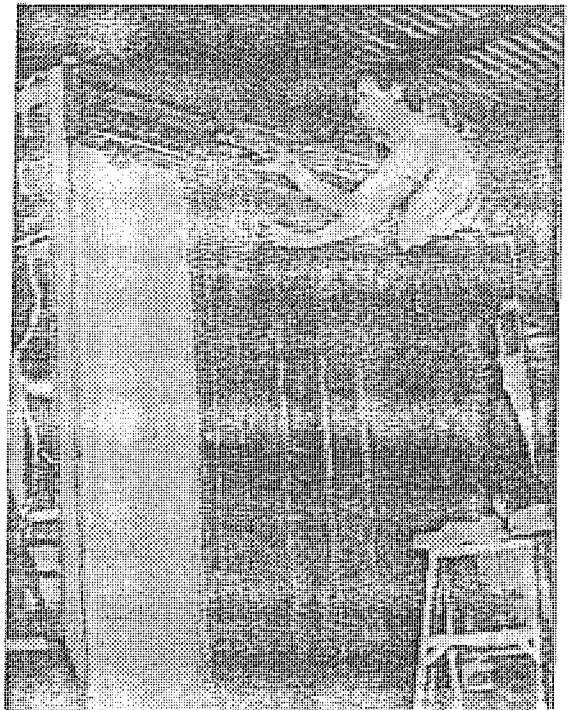
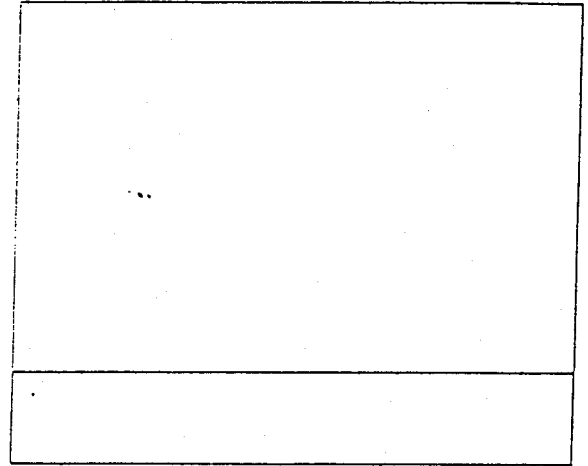
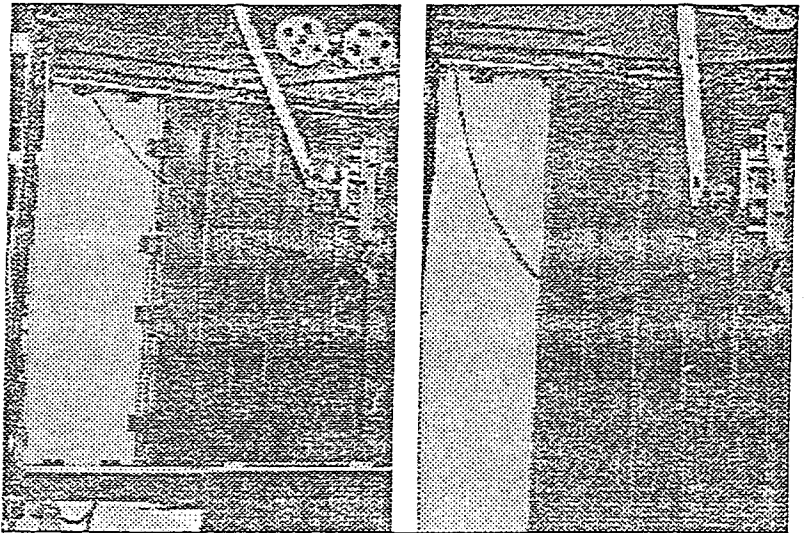


Figure 18. The Door is placed on the Door Track.

PART 3: ELECTRICAL

59) Mount the Photo Eye Unit to door. Align the Eye Unit with the Reflectors on the Door Jamb or in the case of Center Opening Doors, with the opposite door.

60) String both Photo Eye and Safety Edge cables up the side of the Cab Door and attach the cables to the Door Header. Neatly Tie Wrap the cables together. Be sure the loop in the cables is large enough to allow the door to close.



Figures 19 and 20. The Photocell is installed and the cabling is run up to the side of the Car Door. Make sure there is enough room for door movement.

61 Pull the wiring Harness down from the car top to inside the Swing Return. See figure 21.

62) Connect the wires to the Terminal strip located in the Swing Return.

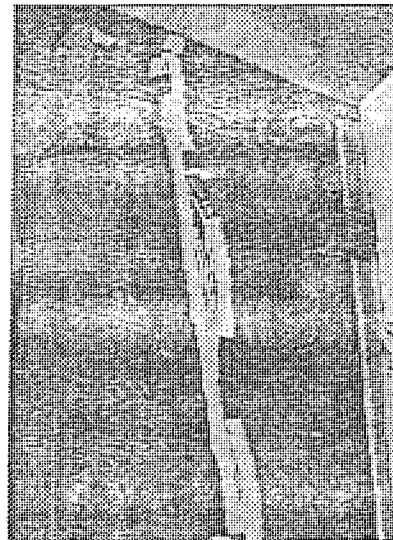


Figure 21. The Wiring Harness is pulled down.

PART 4: FINISHING TOUCHES

- 63) The Sensor Stick can be tested from inside the Cab. To check the Sensor Stick do the following:
 - A. Detach the unit from the side of the the Cab and take it inside.
 - B. Plug the unit into the connector found in the Swing Return.

The Sensor Amplifier Circuit Board is also located in the Swing Return.

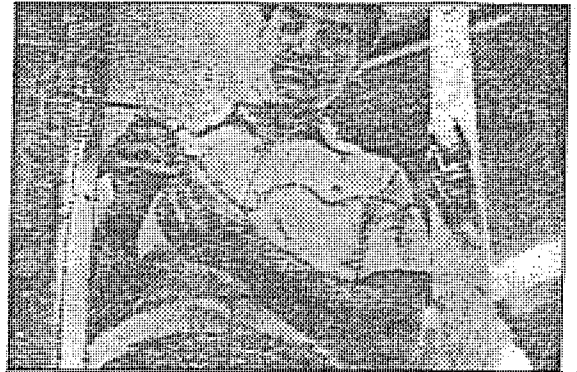


Figure 22. Testing the Sensor Stick.

- 64 Mount the Stand Off Panels in the Cab by lifting them into place. See figure 23.

- 65) Secure the Stand Off Panels by installing the Retaining Clips. See figure 24.

- 66) Install Handrail.

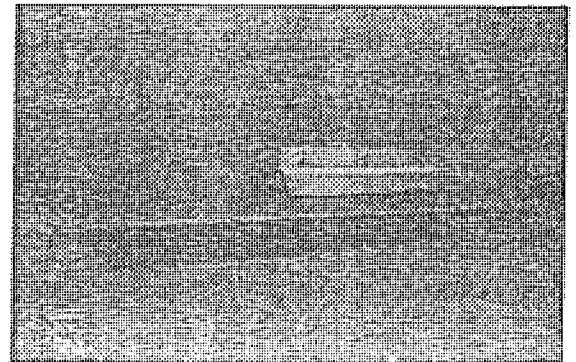


Figure 23. Note how the clips on the back of the panels slide onto the Side Wall Frame.

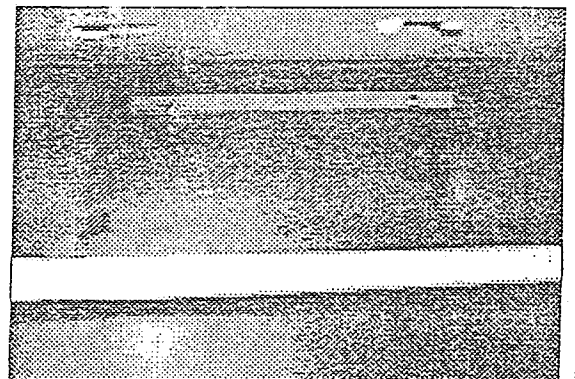
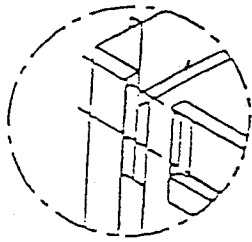


Figure 24. The tops of the Stand Off Panels have been routed out to help install the clips.

INSTALL CAB WALLS

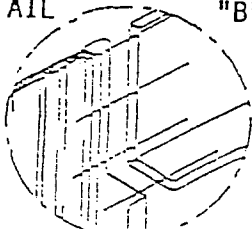
CAB - 0001

- (1) MARK CENTER LINE ON TOP OF PLATFORM WITH CENTER OF HOISTWAY OPENING.
- (2) ASSEMBLY OF REAR WALL WILL BE ASSEMBLED AT THE FACTORY. SLIDE ON TO PLATFORM AND LEAN ON REAR HOISTWAY WALL.
- (3) SLIDE LEFT AND RIGHT FRONT RETURNS AND LEAN TOWARDS THE FRONT OF HOISTWAY.
- (4) BOLT IN SIDE TOP AND BOTTOM WITH 1/4-20 BOLTS 3/4' LG. NOTE: DETAIL "A"



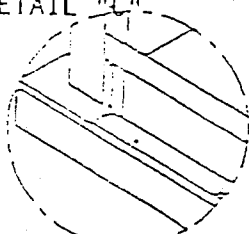
DETAIL "A"

- (5) BOLT IN HEADER WITH 1/4-20 BOLTS 3/4' LG. NOTE DETAIL "B"



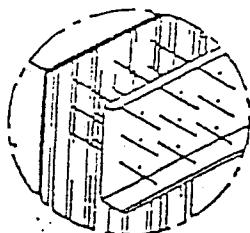
DETAIL "B"

- (6) CENTER AND SQUARE CAB ON PLATFORM FROM CENTER LINE OF CLEAR OPENING. SCREW DOWN TO PLATFORM ON ALL SIDES, WITH NO: 10 ROUND HEAD TAPPING SCREWS 3/4' LG. NOTE: DETAIL "C"

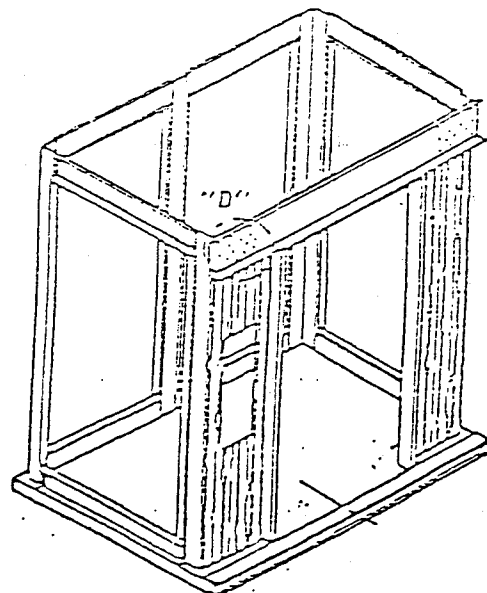
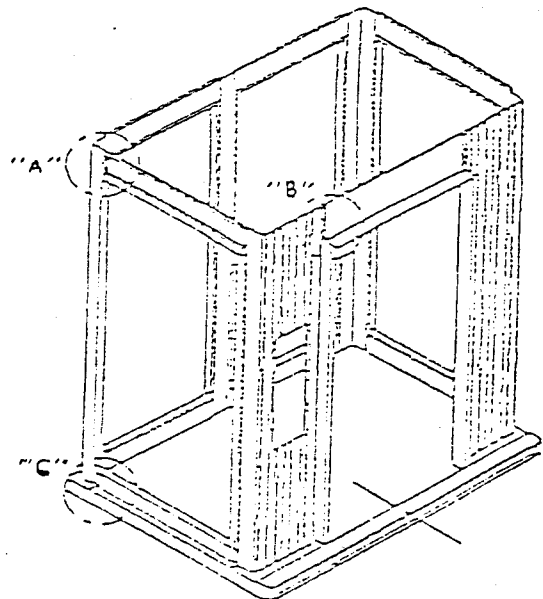
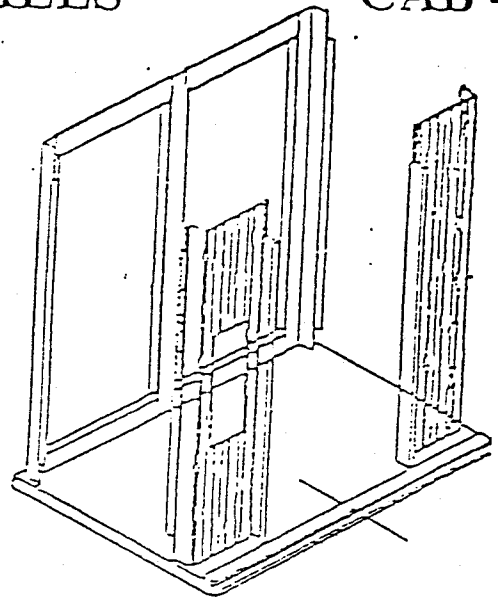


DETAIL "C"

- (7) MOUNT G.A.L. MOUNTING ANGLE, CENTER OF G.A.L. TO CENTER LINE OF HEADER. SCREW DOWN WITH NO: 10 ROUND HEAD TAPPING SREWS 3/4' LG. 6 TO 8 SCREWS PER END. NOTE: DETAIL "D"



DETAIL "D"

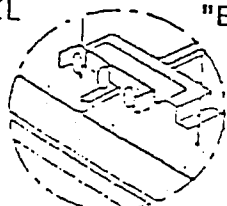


INSTALL CAB ROOF

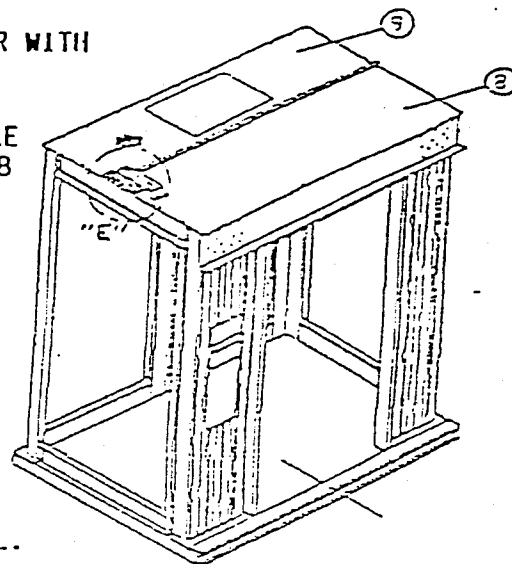
(8) INSTALL FRONT ROOF PANEL. ALINE WITH EDGE OF G.A.L. MT. ANGLE BOLT IN PLACE WITH 1/4-20

(9) INSTALL REAR EXIT ROOF PANEL BUTT TOGETHER WITH FRONT ROOF PANEL. BOLT IN PLACE WITH 1/4-20 BOLTS 3/4' LG.

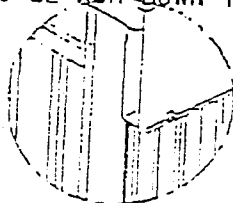
(10) MOUNT CAR STABILIZERS TO STRADOLE THE STYLE ON BOTH SIDES OF THE CAB. BOLT WITH 5/16-18 BOLTS 1' LG TYP EACH SIDE.
NOTE:DETAIL "E"



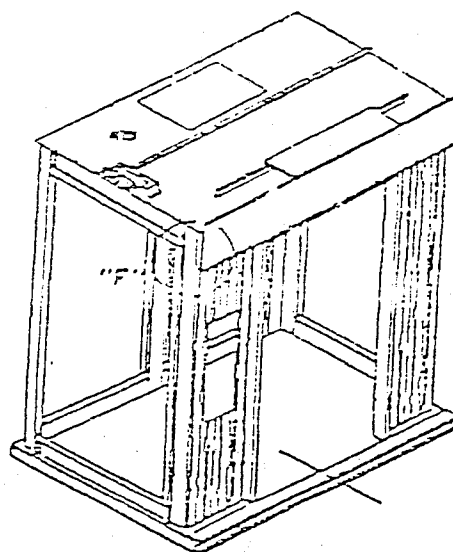
DETAIL "E"



(11) MOUNT THE DOOR HEADER PLATE SUPPLIED BY G.A.L. MOUNT WITH SHEET METAL CLIPS WITH 5/16' 1.1/4' LG. BOLTS NOTE:DETAIL "F" ALSO
NOTE THIS AREA BECOMES A TROUGH FOR THE WIRING TO BE RUN DOWN TO C.O.P.



DETAIL "F"



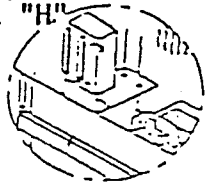
(12) MOUNT SHEET METAL ANGLES, THAT FORM A ZEE BRACKETS, FOR REAR SUPPORT OF ALUMINUM PLATE SUPPLIED BY G.A.L.

(13) INSTALLATION OF STANDARD TYPE CEILING
FIRST MOUNT FLUORESCENT LIGHT TO UNDERSIDE OF ROOF. THEN PASS LIGHT WIRING THROUGH TO TOP OF ROOF.
MOUNT FRAME TO UNDER SIDE OF ROOF. AND THEN INSTALL THE CEILING PANELS.

INSTALL ELECT., PANELS, & DOOR

CAB - 0003

- (14) MOUNT TAPE READER TO TOP OF ROOF.
LOCATION OF TAPE READER SHOWN ON HOISTWAY.
DRAWING FIELD TO DRILL 5/16" HOLES 2 PLACES,
FOR MOUNTING READER BRACKET TO ROOF.
NOTE: DETAIL "H"



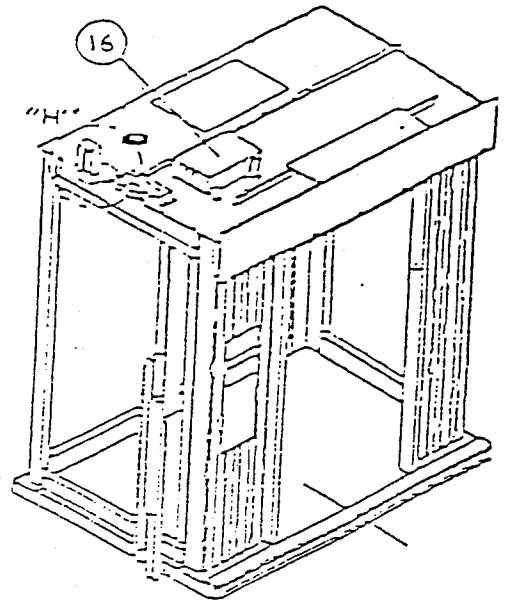
DETAIL "H"

- (15) MOUNT CAR TOP BOX IN BEST LOCATION FOR
FOR FLEX APPLICATIONS.

USE 1/2" FLEX FROM DOOR CONTROL BOX TO
TO CAR TOP BOX.

- (16) MOUNT FAN TO CAB ROOF WITH 1/4-20 BOLTS
3/4" LONG.

USE 1/2" FLEX FROM FAN AND TAPE READER TO
TO CAR TOP BOX.

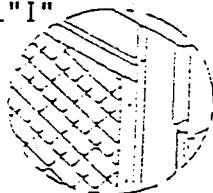


- (17) STAND-IN PANELS TO MOUNT WITH #8 ROUND HEAD
TAPPING SCREWS PRE MOUNTED BY FACTORY.

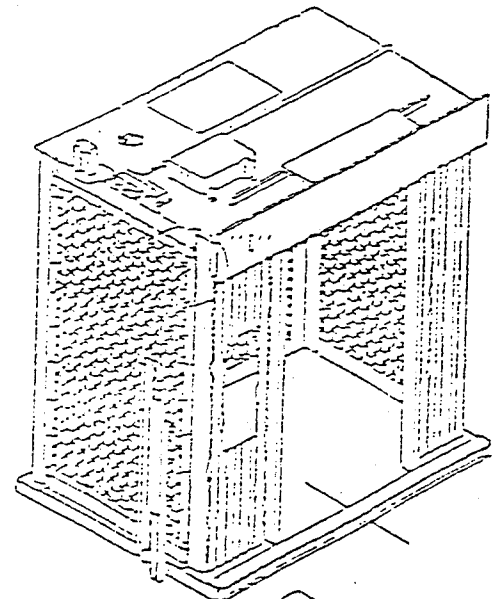
LIFT AND SLIDE PANELS IN PLACE
INTO KEY SLOTS, FROM TOP OF CAB MOUNT SCREWS
ACROSS TOP BACK SIDE IN 3/16" DIA HOLES
TO LOCKS PANELS IN PLACE.

TIGHTEN AS MANY SCREWS WITH IN REACH, TO
PREVENT PANEL RATTLE.

NOTE: DETAIL "I"



DETAIL "I"



- (18) MOUNT HANDRAIL USING 3/8" BOLTS 3 PLOS.

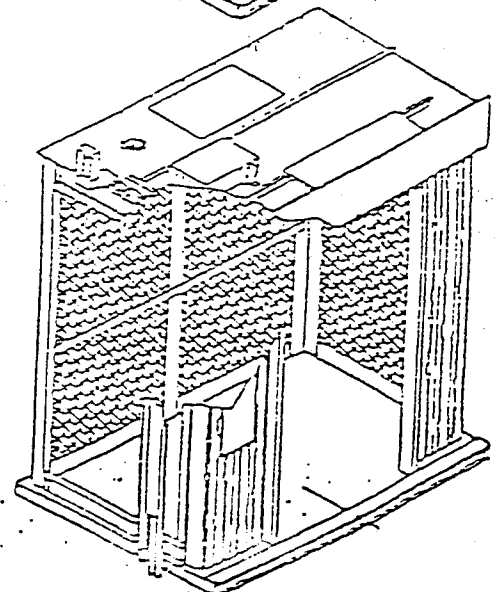
A SPACER GOES BETWEEN CAB WALL AND
BACK SIDE OF HANDRAIL. TIGHTEN BOLT
FROM BOTTOM SIDE UNTIL SPACER BECOMES TIGHT.

- (19) PLACE THE CAR DOOR ON THE DOOR TRACK.
ADJUST BOTH SIDES OF DOOR UNTIL THE DOOR IS
PLUMB WITH 1/4" CLEARANCE BETWEEN THE
DOOR AND SILL RETURNS AND HEADER.

- (20) ATTACH THE DOOR CLUTH TO THE CAR DOOR.

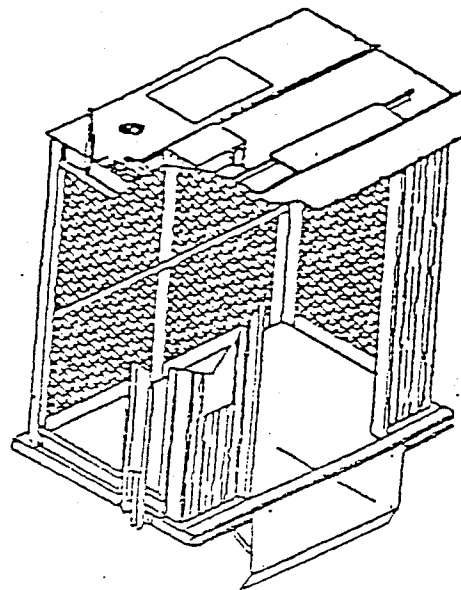
- (21) ATTACH THE DOOR LINKAGE TO THE G.A.L. DOOR
OPERATOR AND TO THE CAR DOOR.

- (22) INSTALL THE SAFETY EDGE, ALIGN THE EDGE OF THE
SHOE SO THAT IT IS PARALLEL WITH DOOR EDGE.

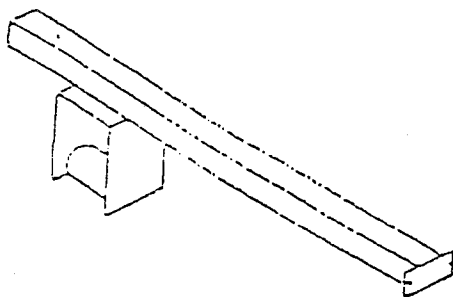


INSTALL TOE GUARD & HANGER

- (23) MOUNT TOE GUARD IN THE CENTER OF THE DOOR
OPENING USING 1/4-20 FLAT HEAD BOLTS.
ATTACH THE ANGLE STIFFENER TO THE BACK OF
TOE GUARD.
NOTE: DETAIL "H"



- (24) MOUNT TRAVEL CABLE HANGER TO THE BACK
SIDE OF THE PLANK AND TO THE BOTTOM SIDE
OF PLATFORM REAR.
FIELD TO DRILL FOR 1/4-20 BOLTS 1' LONG
CUT UNISTRUT TO LENGTH NEEDED.



TRAVEL CABLE HANGER

