Experience the
non-proprietary advantage.

ICON Series

Machine Room Less (MRL)
Traction Passenger Elevator

GMV North America

THE NEXT GENERATION IN VERTICAL TRANSPORTATION

For the past 60 years GMV has led the elevator world in the develpment and manufacture of hydraulic vertical transportation elevator systems, with over 1 million installations worldwide. The next exciting chapter for GMV and it's Advantage Partners is the introduction of the ICON non-proprietary MRL traction elevator. ICON is the perfect solution for any busy building, whether serving two floors or twenty floors.

THE SMART ELEVATOR CHOICE

The ICON series non-proprietary, traction elevator by GMV is the next generation of superior vertical transportation boasting high quality, reliability, and a smooth, quiet ride.

Through extensive due diligence GMV have partnered with first-in-class world leaders in the industry such as Ziehl Abegg, BRUGG, 360 Controls and Magnetek. The selection of these industry leaders supports GMV's non-proprietary commitment to keeping ongoing maintenance competitive:

1. Quality.
2. Service.

One doesn't have to exist without the other.

After considerable research the GMV ICON meets the needs of the Building Owner and Architect:

- **MRL** - no machine room required, as is common for most elevators. Machine room less means more leasable space and lower initial construction costs.
- **Process Efficiency** - supporting on-time installation, precise interface with sub-trades, and first-time inspection pass by AHJ.
- **Power Considerations** - lower installed power and consumed power.
- **Initial Investment** - GMV's price will not be beaten for comparable elevators.

NON-PROPRIETARY

The building owner and/or building management company can be supported by any elevator company of their choice for maintenance or service. This is a luxury not afforded to building owners that have selected proprietary elevator equipment.

It should be noted that not only the controller needs to be non-proprietary. It is the complete elevator. GMV publishes a list of components on our website complete with the supplying vendor allowing the maintenance or service company to purchase spare parts on the open market.

The building owner is not locked into a maintenance contract typical of proprietary equipment with high maintenance costs. Choosing proprietary equipment may trap you into high, long-term maintenance and service costs. Experience the non-proprietary advantage.

CONTROLLER

The GMV ICON series non-proprietary, micro control system with on-board diagnosis provides the building owner with peace of mind knowing that any elevator company can maintain the elevator.

The CSA-approved controller meets or exceeds all necessary compliance to the ASME A17.1/CSA B44 elevator norms (code). For over 20 years the 360 controller has been recognized as a workhorse in the elevator industry.

LANDING ENTRANCE AND OPERATOR

The GMV ICON series MRL traction elevator comes equipped with one of the most advanced 2-speed elevator entrances.

- 1 1/2 hour fire rated.
- Lightweight and high strength.
- Easy entry and exit for the customer.
- Faster than the single speed entrance, excellent reliability and callback-free.

The slow-moving single speed entrance typically used in the North American elevator market is coming to an end.

The highly efficient CSA approved, closed loop 24-volt DC drive door operator with adjustable soft stops and starts will provide many years of reliable operation.

Landing entrances are available in powder coated beige. No need for painting on site, unless this neutral color does not complement the building decor in which case entrances can be painted on site. Brushed stainless steel is also available.

GLOCAL – A GLOBAL COMPANY WITH A LOCAL SMILE

GMV is the world's leading supplier of elevator systems with local representation through the largest elevator company network – ***The Independent Elevator Industry***. The independent elevator companies – our Advantage Partners – provide local support, installing, servicing, and maintaining elevators.

This local connection to independent elevator companies in each community provides the valuable link that makes GLOCAL possible. Global supply, locally supported.

Our Advantage Partners install only non-proprietary elevators supporting the local building owners or building management company to obtain the most competitive maintenance contracts and service in the local markets. This competitive environment breeds superior customer service and competitive pricing.

GMV's Advantage Partner online portal is able to provide product information, technical specifications, layout drawings, installation and maintenance support resources instantly.

ON-TIME DELIVERY

GMV has made **On-Time Delivery** of the elevator to the end user a priority by addressing all factors that could impact this critical milestone:

a. All equipment including pre-wired harnesses are tested prior to delivery to site. This eliminates trouble shooting on site during installation and inspection by authorities in your jurisdiction.

b. Efficient and controlled install times are the hallmark of the ICON series elevators, unmatched in the elevator industry.

c. All ICON series non-proprietary elevators are equipped with a pre-manufactured wiring system that have been tested prior to delivery to site. This "speed wiring system" provides the elevator installation crew an efficient and trouble-free connection to all equipment from the controller. Our trouble-free wiring system is a key factor in On-Time Delivery to the end user.

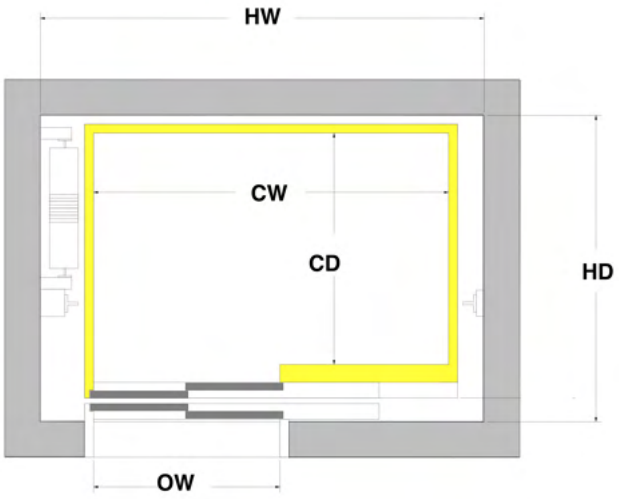
d. Many other tools are provided to simplify installation, and provide On-Time Delivery to our clients.

e. A 100% Complete elevator package delivered to site includes all parts, hardware, fittings, and fixtures, in one shipment. This eliminates the need for any off-site runs to the local hardware store or factory deliveries for missing components.

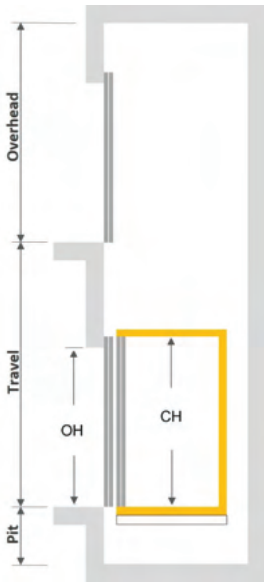
Every component needed for a problem-free installation is part of the 100% Complete package – down to the last nut and bolt. Nothing has been forgotten.

The President of GMV mandated the 100% Complete format as a way to eliminate the on-site frustration experienced by our customers with competitors packages.

FRONT ONLY (INLINE) SPECIFICATIONS - STANDARD CAB



LH SHOWN



HOISTWAY ELEVATION

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY*	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
2100 (953)	5′-9″ (1753)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-4″ (2235)	5′-9″ (1753)
2500 (1134)	6′-9″ (2057)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	5′-9″ (1753)
3000 (1361)	6′-9″ (2057)	4′-9″ (1448)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-3″ (1905)
3500 (1588)	6′-9″ (2057)	5′-5″ (1651)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-11″ (2108)

**Recommended 8′-6″ (2591) for 2500 lbs – 3500 lbs and 7′-6″ for 2100 lbs. if hoistway shafts cannot be perfectly plumb.*

Please note: All dimensions are subject to change.

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
150 (0.75)	60″ (1525)	240′ (73152)	160″ (4064)
200 (1.0)			163″ (4140)
350 (1.8)			166″ (4216)

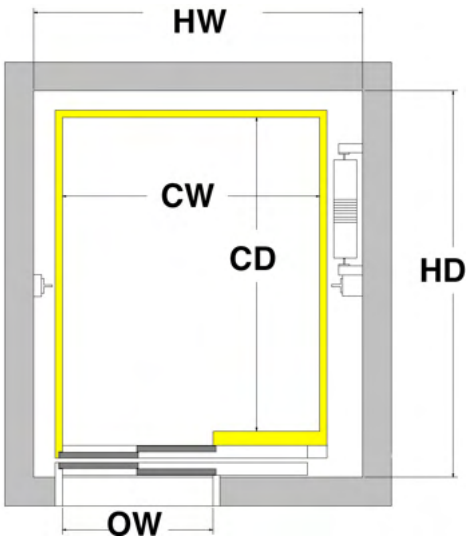
1 Other speeds available upon request.

2 For Ontario minimum pit depth shall be 60″ (1525 mm). Minimum pit depth of 48″ (1220 mm) is also available.

3 Overhead requirements may change based on a number of factors. Please contact your sales representative.

4 For duplex and triplex configurations please add spacing for trimmer beams to achieve total hoistway width.

FRONT ONLY (INLINE) SPECIFICATIONS - DEEP CAB



LH SHOWN

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW in (mm)	CD in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW* im (mm)	HD in (mm)
2300 (1043)	58 1/2" (1846)	68" (1728)	7'-6" (2286)	3'-6" (1065)	7'-0" (2150)	80" (2032)	90" (2286)
2890 (1311)	58 1/2" (1846)	80" (2033)	7'-6" (2286)	3'-6" (1065)	7'-0" (2150)	80" (2032)	102" (2592)
3500 (1588)	68 1/2" (1740)	80" (2033)	7'-6" (2286)	3'-6" (1065)	7'-0" (2150)	88 3/4" (2252)	102" (2592)
4000 (1814)	68 1/2" (1740)	93" (2364)	7'-6" (2286)	3'-6" (1065)	7'-0" (2150)	91" (2310)	115" (2921)

**If it is not possible to provide an absolute plumb Hoistway (Shaft) we recommend the following shaft widths: 82" (2082 mm) for the 2300 lb (1043 kg) and 2890 lb (1311 kg) capacities, 90 ¾" (2305 mm) for the 3500 lb (1588 kg) capacity, and 93" (2362 mm) for the 4000 lb (1814 kg) capacity.*

Please note: All dimensions are subject to change

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
150 (0.75)	60" (1525)	240' (73152)	160" (4064)
200 (1.0)			163" (4140)
350 (1.8)			166" (4216)

1 Other speeds available upon request.

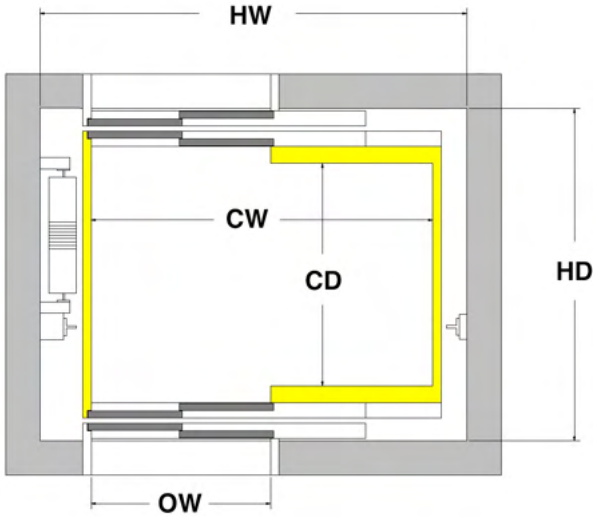
2 For Ontario minimum pit depth shall be 60" (1525 mm). Minimum pit depth of 48" (1220 mm) is also available.

3 Overhead requirements may change based on a number of factors. Please contact your sales representative.

4 For duplex and triplex configurations please add spacing for trimmer beams to achieve total hoistway width.

FRONT & REAR (THRU-CAB) SPECIFICATIONS - STANDARD CAB

LH SHOWN



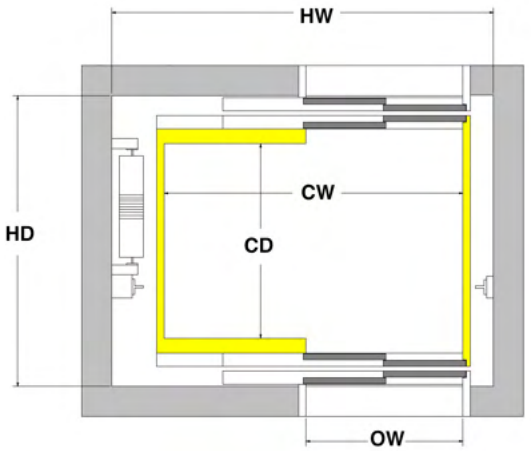
	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY*	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW ft-in (mm)	HD ft-in (mm)
2100 (953)	5′-9″ (1753)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-4″ (2235)	6′-7″ (1803)
2500 (1134)	6′-9″ (2057)	4′-3″ (1295)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	6′-7″ (1803)
3000 (1361)	6′-9″ (2057)	4′-9″ (1448)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	7-′1″ (2159)
3500 (1588)	6′-9″ (2057)	5′-5″ (1651)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	8′-4″ (2540)	7′-9″ (2362)

**Recommended 8′-6″ (2591) for 2500 lbs – 3500 lbs and 7′-6″ for 2100 lbs.*
Please note: All dimensions subject to change.

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
150 (0.75)	60″ (1525)	240′ (73152)	160″ (4064)
200 (1.0)			163″ (4140)
350 (1.8)			166″ (4216)

1 Other speeds available upon request.
2 For Ontario minimum pit depth shall be 60″ (1525 mm). Minimum pit depth of 48″ (1220 mm) is also available.
3 Overhead requirements may change based on a number of factors. Please contact your sales representative.
4 For duplex and triplex configurations please add spacing for trimmer beams to achieve total hoistway width.

FRONT & REAR (THRU-CAB) SPECIFICATIONS - DEEP CAB



RH SHOWN

	NOMINAL CAB CLEAR INSIDE			ENTRANCE CLEAR OPENING		HOISTWAY	
Capacity (Duty Load) lbs (kg)	CW ft-in (mm)	CD ft-in (mm)	CH ft-in (mm)	OW ft-in (mm)	OH ft-in (mm)	HW* ft-in (mm)	HD ft-in (mm)
2300 (1043)	4′-10 ½″ (1486)	5′-8″ (1727)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-8″ (2032)	7′-11 1/2″ (2419)
2890 (1311)	4′-10 ½″ (1486)	6′-8″ (2032)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	6′-8″ (2032)	8′-11 1/2″ (2730)
3500 (1588)	5′-8 ½″ (1740)	6′-8″ (2032)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-4 3/4″ (2252)	8′-11 1/2″ (2730)
4000 (1814)	5′-8 ½″ (1740)	7′-9″ (2362)	7′-6″ (2286)	3′-6″ (1065)	7′-0″ (2150)	7′-7″ (2310)	10′-3/4″ (3067)

**If it is not possible to provide an absolute plumb Hoistway (Shaft) we recommend the following shaft widths: 82″ (2082 mm) for the 2300 lb (1043 kg) and 2890 lb (1311 kg) capacities. 90 ¾″ (2305 mm) for the 3500 lb (1588 kg) capacity, and 93″ (2362 mm) for the 4000 lb (1814 kg) capacity.*
Please note: All dimensions are subject to change

Nominal Speed[1] ft/min (m/s)	Pit[2] in (mm)	Travel ft/(mm)	Overhead[3] in (mm)
150 (0.75)	60″ (1525)	240′ (73152)	160″ (4064)
200 (1.0)			163″ (4140)
350 (1.8)			166″ (4216)

1 Other speeds available upon request.
2 For Ontario minimum pit depth shall be 60″ (1525 mm). Minimum pit depth of 48″ (1220 mm) is also available.
3 Overhead requirements may change based on a number of factors. Please contact your sales representative.
4 For duplex and triplex configurations please add spacing for trimmer beams to achieve total hoistway width.

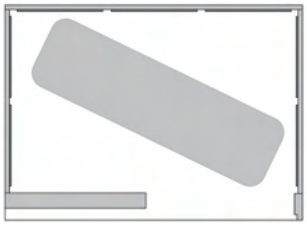
STRETCHER COMPATIBLE MRL TRACTION ELEVATORS AND HYDRAULIC ELEVATORS

GMV has both machine room less and hydraulic elevators that meet stretcher requirements.

The International Building Code specifies that any building "four or more stories above, or four or more stories below grade plane" shall have at least one elevator car that is able to accommodate a standard 24" x 84"* (610 mm x 2134 mm) ambulance stretcher in the open, horizontal position.

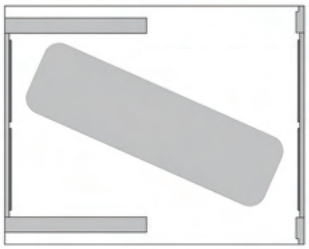
Some GMV EDGE series hydraulic passenger elevator cabs and GMV ICON series MRL traction elevator cabs meet the International Building Code stretcher requirements.

**Different codes may be applicable in Florida and other jurisdications.*



Front Only (Inline) - Standard

Front Only (Inline) - Deep



Front and Rear (Thru-Cab) - Standard

Front and Rear (Thru-Cab) - Deep

Capacity lbs	Type	Opening Side	Door Width	IBC Stretcher (84")	OBC Stretcher (79")	FL Stretcher (76")
2100	STANDARD	Side	42"	N	N	N
2500		Side	42"	N	Y	Y
3000		Side	42"	Y (Angle)	Y	Y
3500		Side	42"	Y (Angle)	Y	Y
2300	DEEP	Side	42"	N	N	Y (Angle)
2890		Side	42"	Y	Y	Y
3500		Side	42"	Y	Y	Y
4000		Side	42"	Y	Y	Y
4000		Side	48"	Y	Y	Y

ARCHITECTURAL CAB FINISHES AND FIXTURE FINISHES

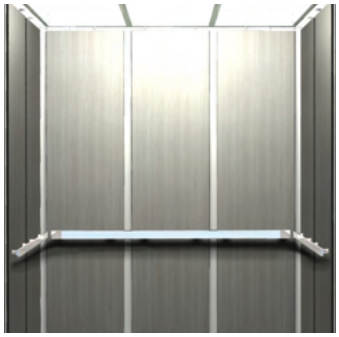
GMV offers a wide range of cab interior plastic laminate finish hang-on panels that can be easily changed in the event they are ever damaged.

These fire-rated panels are available in the listed plastic laminate finishes and are accented by either stainless steel or black reveals for an architecturally appealing cab design.

The cab and hall fixtures are available in brushed stainless steel with red illuminated bezels framing the buttons. Brushed stainless steel flat or round handrails are offered.

CAB INTERIORS

Black reveal



Stainless steel reveal

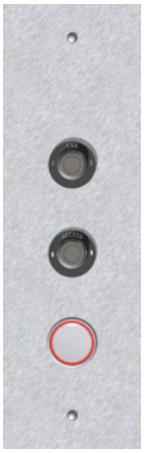
HAND RAILS

Flat

Round

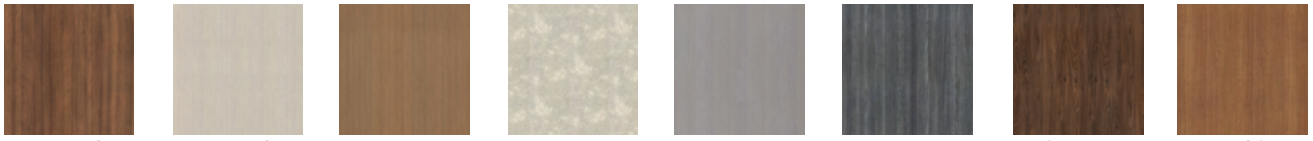
CONTROL OPERATING PANEL (COP)

HALL FIXTURE



LAMINATE OPTIONS

Blackened Legno | Bubble Art | Cherry Heartwood | Fox Teakwood | Maple Woodline | Mouse | Natural Ash | Natural Birch



Natural Teak | Neutral Twill | Pecan Woodline | Portico Marble | Sarum Twill | Storm Teakwood | Thermo Walnut | Wild Cherry

ICON SERIES PRODUCT SPECIFICATIONS

Complete Elevator Package is Non-Proprietary

GENERAL SPECIFICATION

Elevator Type: MRL 2:1 Underslung with 8 mm BRUGG CTP coated ropes

Capacity (Duty Load): Standard cab: 2100 lbs (953 kg)
2500 lbs (1134 kg)
3000 lbs (1361 kg)
3500 lbs (1588 kg)

Capacity (Duty Load): Deep cab: 2300 lbs (1043 kg)
2890 lbs (1311 kg)
3500 lbs (1588 kg)
4000 lb (1814 kg)

Nominal Speed*: 150 ft/min (0.76 m/s)
200 ft/min (1.0 m/s)
350 ft/min (1.8 m/s)

Max. Travel**: 240' (73152)

Max Stops: 20 Inline / 35 Front and Rear

Available Arrangements

Front Entrance
Front and Rear Entrance

STANDARD CAB FEATURES

Cab Walls: Fire-rated plastic Formica laminate hang on panels

Cab Reveals: Black or brushed stainless steel

Cab Ceiling: Diffuser with LED Florescents or
stainless steel with 6 LED pot lights

Cab Operating Panel (COP): Brushed stainless steel

Cab Indicator: Directional arrows on car entrance strike jamb

Telephone: Hands free programmable speaker phone

Cab Doors: 42" (1065 mm) x 84" (2150)
Two speed fully automatic sliding doors
Brushed stainless steel or
powder coated beige

STANDARD SAFETY FEATURES

Emergency Power: Battery realign to next available floor.

Automatic Door Interlocks: CSA/UL approved hoistway door interlocks

Door Restrictor: Mechanical restrictor prevents cab door opening when car not at landing

Auto Relevel (anti creep): Car will relevel to floor if not level with landing

Door Detector: Micro scan motion detectors prevent doors closing on passengers entering or exiting car

Car Top Inspection Station

CONTROLS

Non-proprietary!

Elevator Controller: CSA Approved micro-controller

Wiring: Plug and Play
Fully factory tested

On-board remote diagnostics

ELEVATOR CONSTRUCTION REQUIREMENTS

Elevator Hoistway (Shaft) Requirements

Pit Depth: For Ontario minimum pit depth shall be 60" (1525 mm)
Minimum pit depth of 48" (1220 mm) is also available.
Pit depths may change depending on selection of equipment

Overhead***: 160" (4064 mm) minimum

Construction Drawings

Drawings provided to General Contractor

Cab floor to be finished by others.

**Speed: Actual speed will change depending on jacks used and pump flow. Job specific data will reflect accurate speed*

***Max Travel: Maximum travels may change slightly as elevator speed changes*

****Overhead requirements may change based on a number of factors. Please contact your sales representative.*

AVAILABLE OPTIONS

Tall Cab available in 9' (2743mm) and 10' (3048mm) configurations.

Note: Additional overhead is required.

Security interface for hall stations.

Security interface for car operational panel.

Building automation interface.

Custom cab interiors.

Emergency Generator interface.

Other options also available.

48" door on 4000 lb (1814 kg) models.

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