

FERROCAM

A stylized red graphic of a train track and two train cars. The track is a thick red line with a slight dip in the center. Below the track are two train cars, each represented by a red horizontal bar with four red circles underneath representing wheels.

LOGISTICA
EN SOBREDIMENSIONES S.A. DE C.V.

Informative dossier

Specialists in the integral management of oversized equipment

At Ferrocam we know that each project is unique. We offer the comprehensive solution to your special cargo movement and transport requirements.

Complete and cost-effective transportation including engineering, planning and execution services for oversized loads; we solve the specific needs of our customers.



Certification for rail platform loads



Who are we?

At Ferrocam we specialize in moving and transporting oversized loads with strict adherence to standards and safety standards in this area.

We are a team of professionals and specialists in the field with more than 30 years of experience in handling oversized loads in Mexico, the United States and Canada.

What do we do?

At Ferrocam we offer comprehensive services to our customers; being the point of contact for all aspects of transport and installation of oversized loads.

We address logistics from start to finish, solving the multiple complexities of logistics complying with the specific requirements and regulations involved in each of the projects.

Accreditations:



Our services

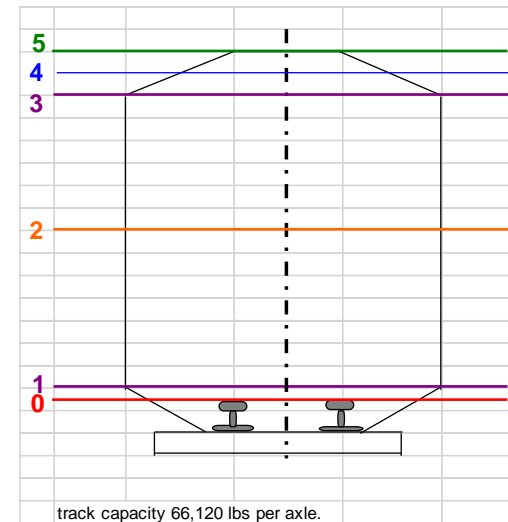
- Feasibility studies and transport engineering for oversized equipment.
 - Route analysis for oversized equipment transport.
 - Authorization of clearances by rail and road.
 - Supply of transport drawings with gravity center calculations, combined center of gravity, and load balancing.
 - Execution of loading, fixing and unloading maneuver on site.
 - Multimodal transport.
- Verification and inspection of heavy-duty rail platforms for the handling of your cargo under the standards of the AAR (Association Of American Railroads).
 - Global positioning monitoring with Lat-Lon system.
 - Protection with thermo-shrink plastic coating of the equipment.
 - Supply of specialized railway cars, as well as shipping services in Mexico, the United States and Canada.



Feasibility and engineering studies for transportation oversized equipment

- Route and transport analysis for oversized equipment.
- Evaluation of one or more alternatives to transport the oversized equipment .
- Efficiency in terms of transport.
- Technical feasibility.
- Economic – financial feasibility.
- Required permits and authorizations.
- Choice of infrastructure required (platforms, trucks, self-propelled equipment, etc.)

No.	High (inches.)	Wide (inches)
0	0	125
1	48	155
2	157	155
3	208	155
4	236	150
5	255	51

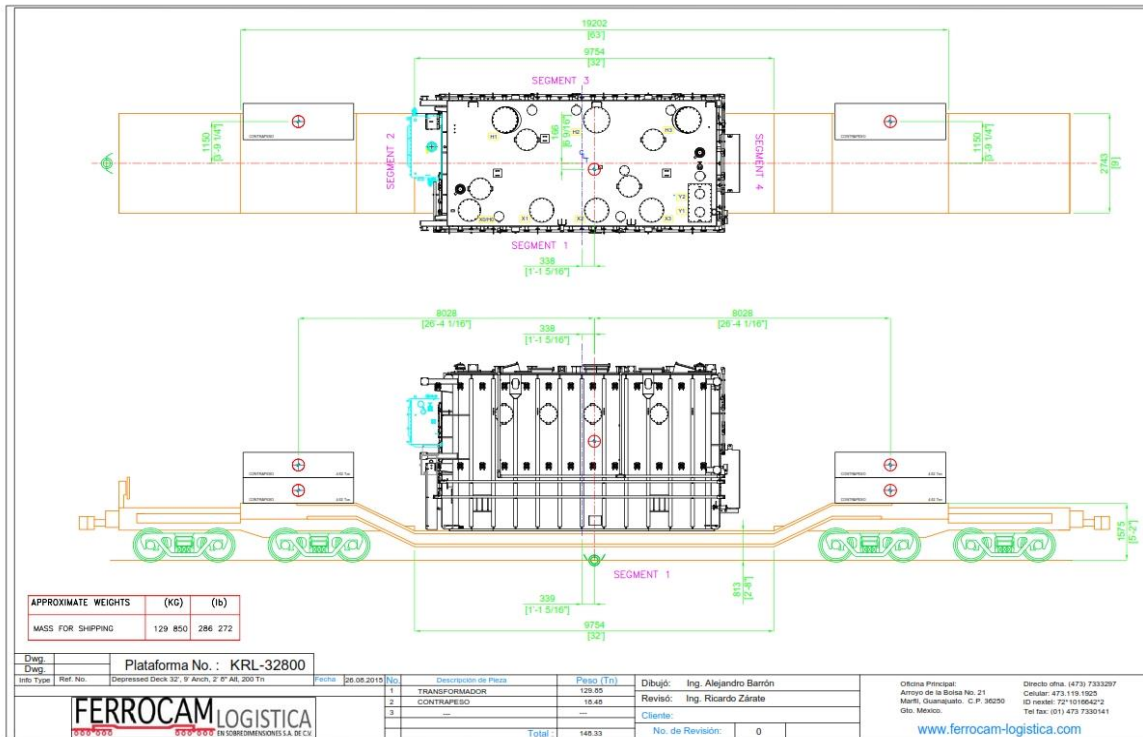


Study of permitted gauges

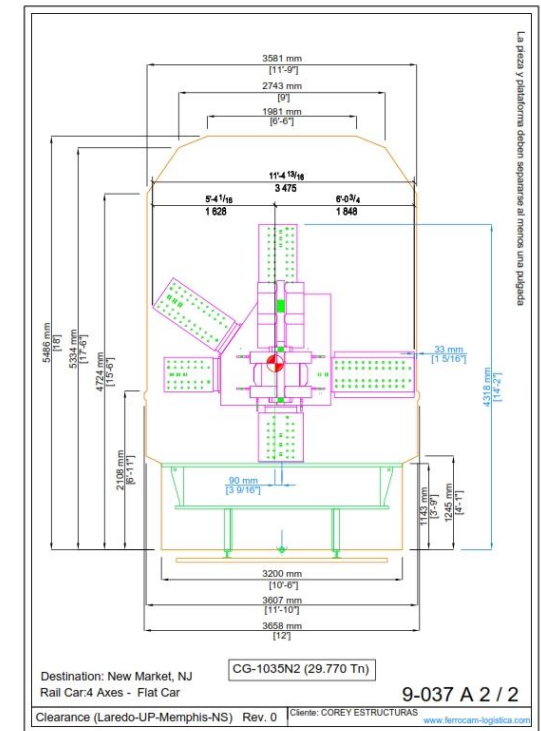


Route study, clearance processing and transportation plans

- Route analysis and means of transport for oversized equipment.
- Supply of transport diagram with calculations of center of gravity, combined center of gravity and load balancing.



Transformer over 200,000 lbs. on platform



Rail carload balancing



Execution of loading, fixing and unloading maneuvers on site

- We perform calculations for the transport of oversized cargo according to the guidelines of the AAR (Association Of American Railroads).
- Design, manufacture and installation of hardware by calculating the quantity and type of welding, under AAR standards for oversized loads, we ensure that your load is within the permitted clearance of each railway before each shipment.

FERROCAM LOGISTICA PLATAFORMA **KRL-32800**

CÁLCULO DE LONGITUD DE SOLDADURA PARA TRANSPORTE DE EQUIPO 1 PLANO Transformador

PESO DEL EQUIPO		CARGA EN PLATAFORMA		CONTRAPESOS	
286,267	LBS	327,008	LBS	40,741	LBS
Carga + Contrapeso		327,008	LBS	CARGA DENTRO DE LÍMITE DE PESO	
Tipo de ELECTRODO:		E70	Embalaje (en pulgadas)	3/8	Capacidad de carga / 8,766
SECCION LONGITUDINAL:		98	SECCION LATERAL:		65
SECCION VERTICAL:				65	
En una dirección		98	En una dirección		65
Dirección inversa		98	Dirección inversa		65
		196			131
LONGITUD TOTAL SOLDADURA :		392		inches	

NOTA: Esta longitud, en vertical, se aplica en una sola línea, o en dos, cada una a la mitad del valor mostrado.

CÁLCULO DE CANTIDAD DE PERNOS PARA SECCIÓN VERTICAL (CUANDO APLIQUE)

SECCION VERTICAL		Díametro (en pulgadas)		Capacidad de carga /	
10		1 1/2		56,076	
				Pernos	

Calculation of weld length and type

RAILCAR	# EJES	LONG	ALTURA	CAP. (lbs)	PLATAFORMA
krl-32800	8	32 Ft	2 ft 08 inch	440,000	KRL-32800

CENTRO DE GRAVEDAD DE EMBARQUE				
DESCRIPCIÓN	MASA (lbs)	X (in)	Y (in)	Z (in)
Plataforma	189,997	0.0	28.0	0.0
Transformador	286,267	-8.5	129.1	0.0
	0	0.0	0.0	0.0
	0	0.0	0.0	0.0
	0	0.0	0.0	0.0
Contrapeso	40,741	45.3	101.4	0.0
TOTAL	517,005	0.0	89.8	0.0

CARGA 327,008 Lbs

CLIENTE: _____

Calculation of center of gravity for boarding



Fixing equipment to platform



Multimodal Transport

- Safe transport of cargo with oversize dimensions under the guidelines established and calculated by rail, road or barge.

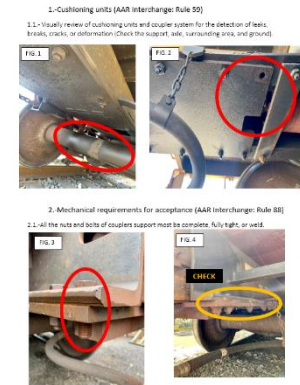


Platform inspection for proper handling

- Inspection and validation of the heavy-duty platform on site under the guidelines of the AAR before loading.
- Creation of a report with the results of the inspection.
- Recommendations to the end customer.

PL501 Car Type Car #

Directions	Rail Car Clearance																																																						
Inspector	Date	Year	Loaded (Add Weight)																																																				
Company	FERROCAM LOGISTICA																																																						
Measurements of heavy duty trailer																																																							
Location of inspection	Serial Number	Left	Right																																																				
Rail Car Type		MINIMUM																																																					
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Inspection manual



Pre-load inspection



Checking free bearings after loading



Protection with heat shrink coating

- The coating of equipment with shrink wrap plastic, provides safety and protection, with the option to identify with legend or logo of your company.
- Ideal application for storage and transport of cargo.



Application of shrink line thermo coating



For equipment storage



For transporting equipment



Custom print



Load monitoring

- We track and monitor your cargo on rail with Lat-Lon global positioning system.
- Reporting your position, speed, air pressure and impacts (g forces involved) during transport available for 24hr consultation.
- We increase operational efficiency, improve safety and help ensure satisfactory delivery to the customer.



Lat-Lon unit



Load monitoring



Lat-Lon installation



Partners



- Specialized in the laying and movement of oversized loads using the most cost-effective and safe methods available, using our extensive network of expert suppliers.



- Kasgro Rail Corporation offers carriers one of the world's most modern fleets of heavy-duty flat rail and depressed floor platforms, and we are proud to do so while offering unprecedented world-class service in the oversized transportation industry.



Trade Relations

We have an excellent relationship with recognized companies in cargo transport, to offer a complete and customized solution according to each need.



Contact

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