

| TYPE OF CAR           | CLASS | SERIES | BUILT BY  | YEAR |
|-----------------------|-------|--------|-----------|------|
| DEPRESSED CENTER FLAT | FT-X  | 90000  | A.T.&S.F. | 1953 |

1 CAR

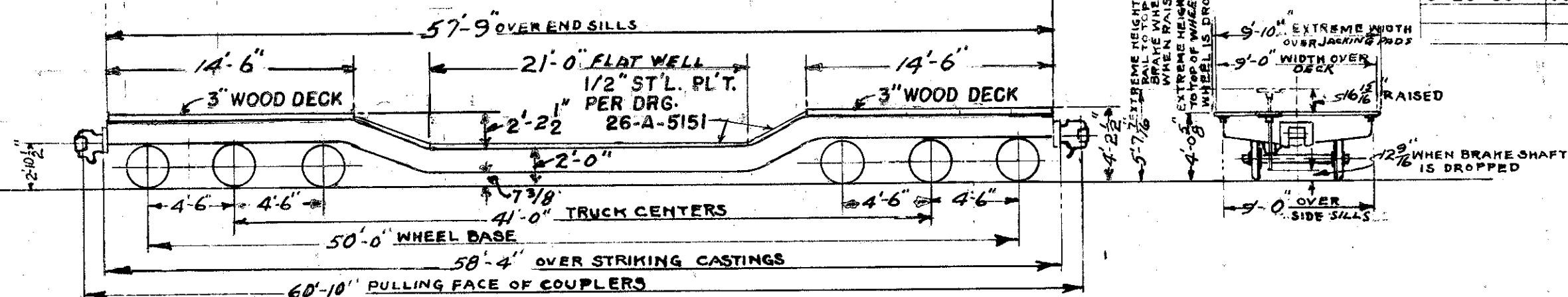
CAR EQUIPPED WITH 24 LADING TIE ANCHORS.  
CAR HAS TIMKEN GREASE TYPE ROLLER BEARINGS.

## NOTE:-

THIS CAR IS DESIGNED TO CARRY A LOAD  
EQUIVALENT TO THE LOAD LIMIT OVER A DISTANCE  
OF 18'-0" AT CENTER OF CAR.

|         |        |
|---------|--------|
| DRAWN   | F.J.E. |
| TRACED  |        |
| CHECKED |        |

|                   |     |
|-------------------|-----|
| DATE OF REVISIONS |     |
| 3-8-57            | JJH |
| 8-26-59           | JJH |



## DESCRIPTION

|                                      |              |   |                      |                     |                       |
|--------------------------------------|--------------|---|----------------------|---------------------|-----------------------|
| CAPACITY                             | 246,000 LBS. | WIDTH OVER FLOOR                                  | 9'-0"                | DRAFT ATTACHMENT    | STEEL                 |
| LOAD LIMIT                           | 246,000 LBS. | WIDTH OVER STAKE POCKETS                          | NONE                 | DRAFT GEAR          | MINER A-22-XL         |
| LIGHT WEIGHT OF CAR                  | 130,000 LBS. | EXTREME WIDTH OVER JACKING PADS                   | 9'-10"               | KIND OF TRUCK       | G.S.C.CO. 6-WHEEL     |
| WEIGHT OF BODY                       |              | HEIGHT FROM RAIL TO EXTREME WIDTH TO JACKING PADS | 2'-11 1/2"           | WHEEL BASE OF TRUCK | 9'-0"                 |
| WEIGHT OF TRUCK                      |              | EXTREME HEIGHT TO TOP OF BRAKE WHEEL RAISED       | 5'-7 7/8"            | TRUCK FRAME         | CAST STEEL, ONE PIECE |
| HEIGHT FROM RAIL TO TOP OF FLOOR     | 4'-2 1/2"    | UNDERFRAME  | CAST STEEL           | JOURNAL BOX LID     | ROLLER BEARING        |
| LENGTH OVER END SILLS                | 57'-9"       | KIND OF COUPLERS                                  | A.A.R. TYPE E ROTARY | SIZE OF JOURNAL     | 6 1/2" X 12"          |
| LENGTH OVER STRIKING CASTINGS        | 58'-4"       | SIZE OF SHANK                                     | 6 1/4" X 8"          | WHEELS              | 30" MULTI-WEAR WROT   |
| LENGTH OVER PULLING FACE OF COUPLERS | 60'-10"      | DRAW BAR YOKE                                     | H.T. STEEL           | BRAKE BEAM          | A.A.R. NO 18          |
| CENTER TO CENTER OF TRUCKS           | 41'-0"       | DRAW BAR ATTACHMENT                               | HORIZ. KEY           | BRAKES              | A-B EQUIPMENT         |
| WHEEL BASE OF CAR                    | 50'-0"       | UNCOUPLING ARRANGEMENT                            | STANDARD             |                     |                       |
| WIDTH OVER SIDE SILL PLATES          | 9'-0"        | HAND BRAKE  | 2-EQUIPCO DROP SHAFT |                     |                       |
| BODY DRG. LIST                       | 3152         |   |                      |                     |                       |
| TRUCK LIST                           | 3153         |   |                      |                     |                       |
| BILL OF MATERIAL                     | 825          |   |                      |                     |                       |

Revised & placed on  
legal size sheet

8-26-59

TOPEKA, KANSAS. APRIL 15, 1953



FIRST ISSUE DATE APRIL 15, 1953

DATE OF REVISION

2-27-64

Class Ft-X

AAR-FD

Series 90000

1 Car

DIAGRAM FOLIO 211/4

Built New

1953

By

ATSF (Topeka Shops)

Body Drg. List

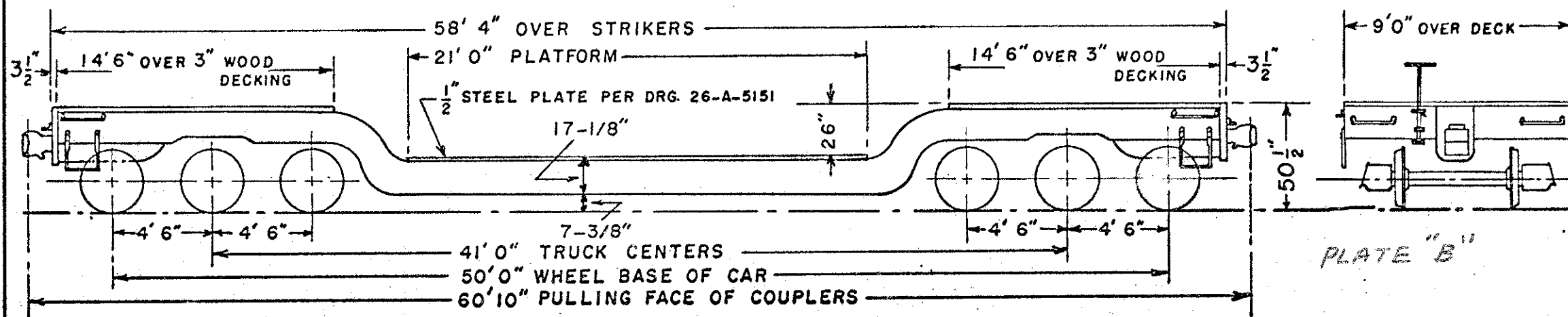
213/3152

Truck Drg. List

213/3153

Bill of Material

825

PAGE F-21

This car is designed to carry a load equivalent to the load limit over a distance of 18' 0" at center of car.

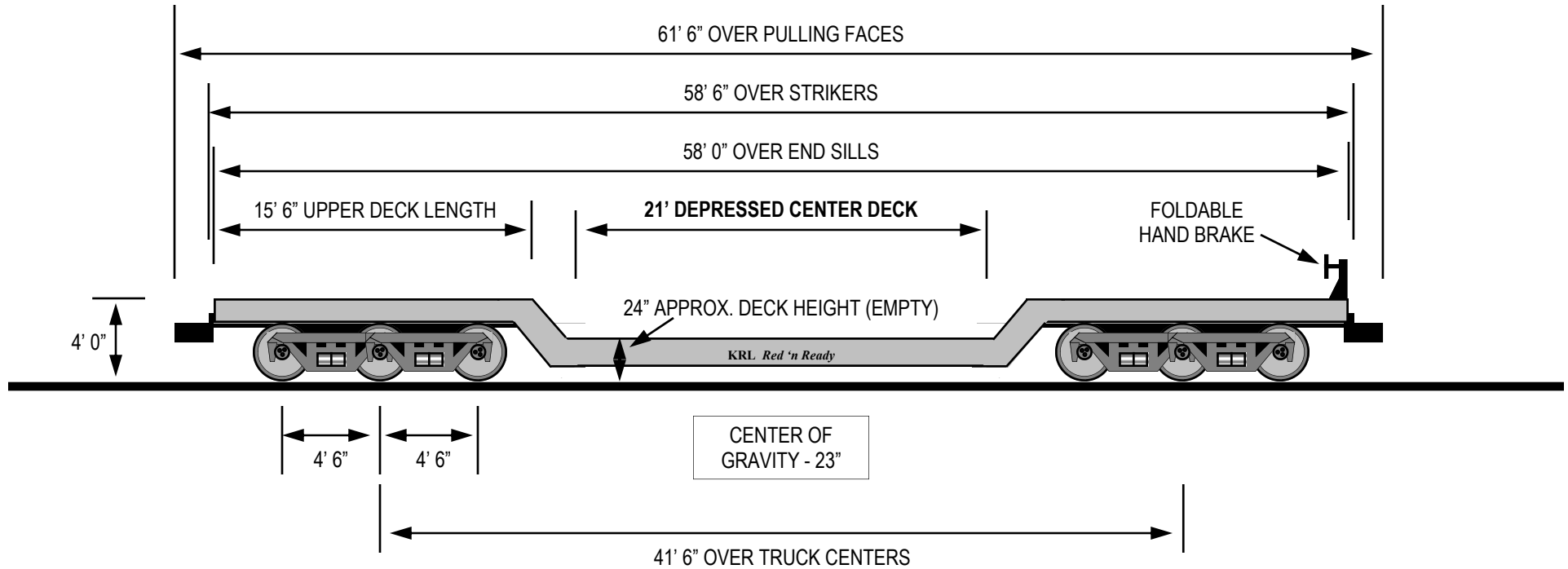
|                                      |              |                          |                                 |  |   |
|--------------------------------------|--------------|--------------------------|---------------------------------|--|---|
| *Nominal capacity                    | 250,000 lbs. | General Arrangement Drg. | 26-A-4667                       | Truck General Arrgt. Drg.              | 20-B-2280   |
| Load limit                           | 264,000 lbs. | Underframe               | 1-Piece cast steel              | Journal size                           | 6-1/2 x 12  |
| Lightweight of car                   | 130,000 lbs. | Lading anchors           | 24 Tie anchors                  | Wheel base of trucks                   | 9' 0"   |
| Length                               |              | Draft gear               | Minar A-22-XL                   | Truck centers                          | 41' 0"  |
| *Loading platform                    | 21' 0"       | Coupler                  | AAR, Type "E" Rotary            | Wheel base of car                      | 50' 0"  |
| Upper decks (each)                   | 14' 6"       | Yoke                     | Y-40 high tensile steel         | Truck springs                          | #700, 701, 730  |
| Over end sills                       | 57' 9"       | Handbrake                | 2, Equipco drop shaft           | Spring travel                          | 1- 5/8"   |
| *Over strikers                       | 58' 4"       | Brake beam               | AAR No. 18                      | Wheels - 30" dia.                      | AAR No. A-30 Class "U"                                |
| Over pulling face of cplrs.          | 60' 10"      | Brake adjuster           | None                            | Axles                                  | 20-D-2287   |
|                                      |              |                          |                                 | Brakes AB Dual system                  | 10 x 12 Westinghouse                                  |
| Width                                |              |                          |                                 |  |   |
| *Over loading platform               | 9' 0"        | Floor                    |                                 | Roller Bearings - Timken per Car Folio |   |
| Over upper deck                      | 9' 0"        | Loading platform         | 1/2" Steel plate                |  | Page 556-A-8  |
| Over side sill plates                | 9' 0"        | Upper deck               | 3" Wood deck                    | Trucks -                               | 1 piece cast steel frame & bolster per Drg. 20-A-2281 |
| *Extreme @ jacking pad               | 9' 10"       |                          |                                 |  |   |
| Height                               |              | Min. turning radius      | 39-deg. curve<br>150 ft. radius |  |   |
| *Rail to top of loading platform     | 2' 0- 1/2"   |                          |                                 |  |   |
| Rail to top of upper deck            | 4' 2- 1/2"   |                          |                                 |  |   |
| Rail to side sill                    | 7- 3/8"      |                          |                                 |  |   |
| *Rail to extreme width @ jacking pad | 2' 11- 1/2"  |                          |                                 |  |   |
| *Extreme @ brake wheel raised        | 5' 7- 7/16"  |                          |                                 |  |   |

CENTER OF GRAVITY

APPROX 24"  
ABOVE TOP OF RAIL

FOR GEN. ARRGT. APPLICATION OF "AP"  
ROLLER BEARINGS SEE DRGS.  
2-D-42-28211  
2-D-42-28212  
2-D-42-28213

# KRL 45009 & 45013



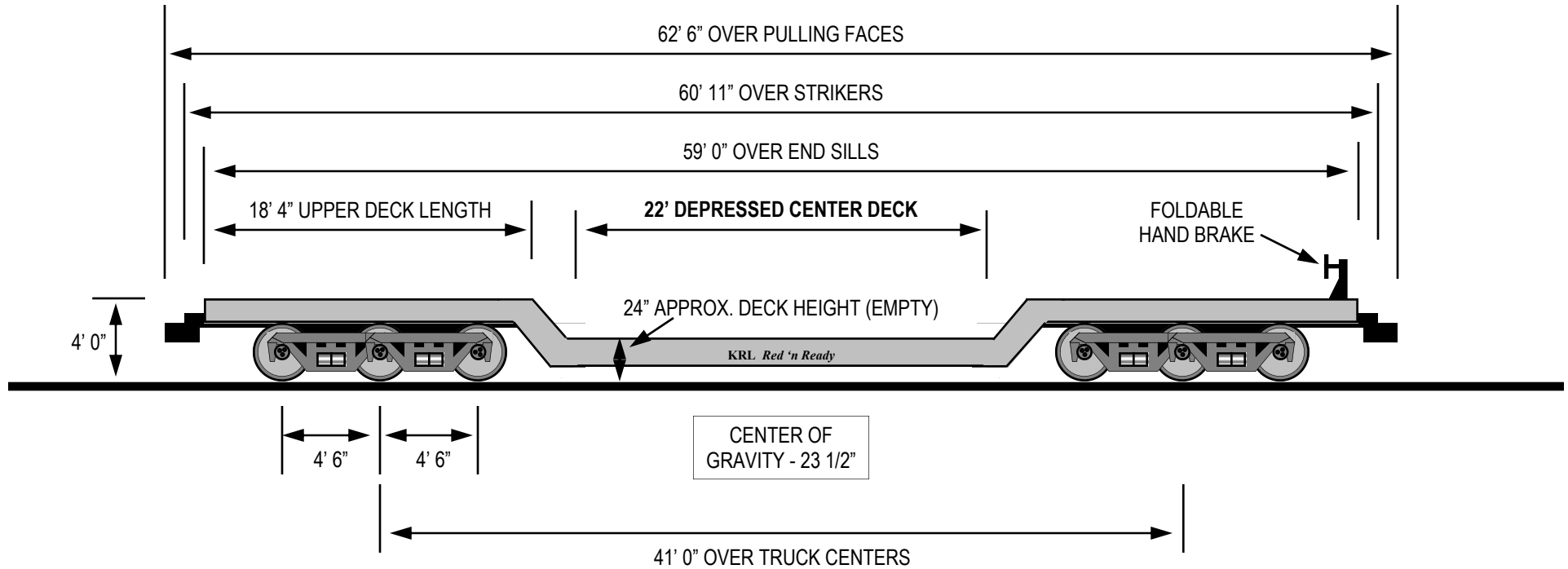
| LENGTH OF LADING (ft) | LOAD LIMITS (lbs) | CAR NUMBERS    | LOAD LIMITS (lbs) | LIGHT WEIGHTS (lbs) | MAXIMUM GROSS (lbs) | SPRING TRAVEL (in)  | DECK LENGTH (ft-in) | DECK HEIGHT (ft-in) | JOURNAL SIZE BEARING TYPE |
|-----------------------|-------------------|----------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| 0                     | 245,700           | 45009<br>45013 | 255,000           | 139,500             | 394,500             | 1 5/8"              | 21' 0"              | 2' 0"               | 6 1/2 X 12 ROLLER         |
| 2                     | 245,800           |                |                   |                     |                     | WHEEL DIAMETER (in) | DECK WIDTH (ft-in)  | DRAFT GEAR          |                           |
| 4                     | 246,400           |                |                   |                     |                     |                     |                     |                     |                           |
| 6                     | 247,600           |                |                   |                     |                     |                     |                     |                     |                           |
| 8                     | 249,200           |                |                   |                     |                     |                     |                     |                     |                           |
| 10 & OVER             | 250,700           |                |                   |                     |                     | 30"                 | 9' 0"               | M 901E              |                           |

**KRL 45009 & 45013**  
**125 Ton - 21' Depressed Deck Flat Car**  
**Drawing No. A19607**

## GENERAL NOTES:

Load Limit based on Suspension System Car CG=23" ATR empty.  
 Car 45009 formerly SCEX 1.  
 Car 45013 formerly NSPX 61001.

# KRL 45011 & 45012



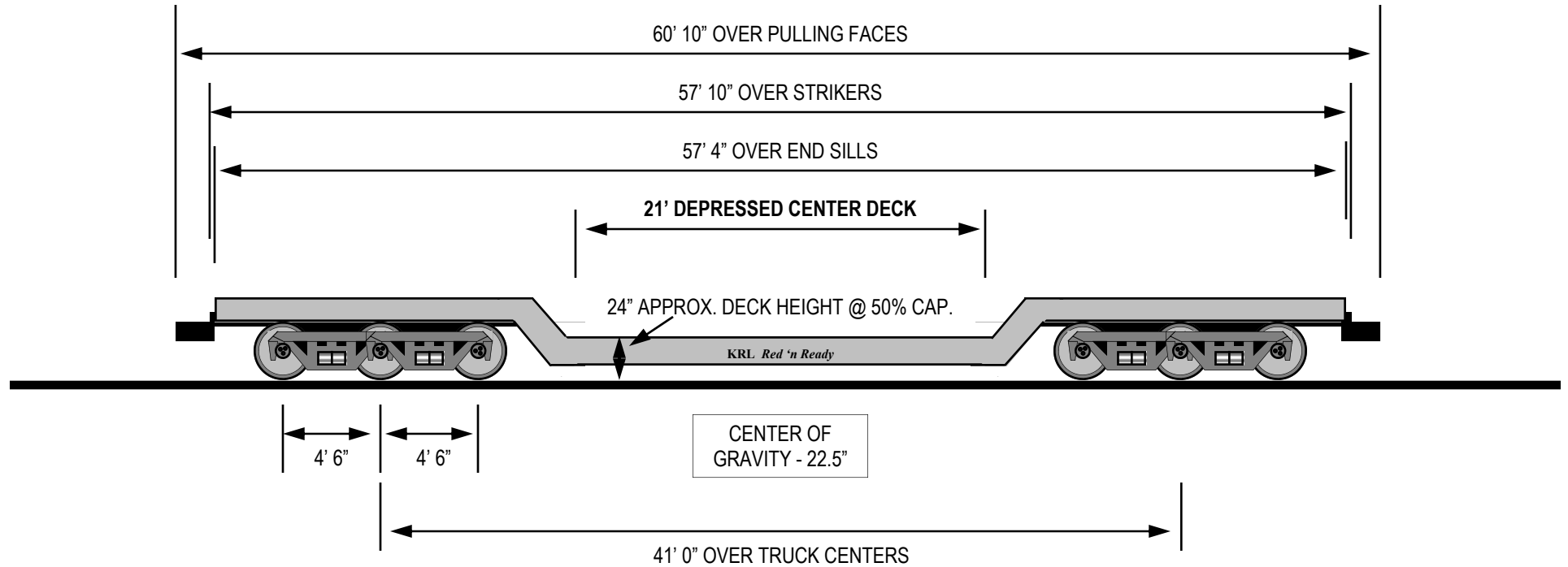
| LENGTH OF LADING (ft) | LOAD LIMITS (lbs) | CAR NUMBERS | LOAD LIMITS (lbs) | LIGHT WEIGHTS (lbs) | MAXIMUM GROSS (lbs) | SPRING TRAVEL (in)  | DECK LENGTH (ft-in) | DECK HEIGHT (ft-in) | JOURNAL SIZE BEARING TYPE |
|-----------------------|-------------------|-------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| 0                     | 245,700           | 45011-45012 | 250,000           | 127,000             | 394,500             | 1 5/8"              | 22' 0"              | 2' 0"               | 6 1/2 X 12 ROLLER         |
| 2                     | 245,800           |             |                   |                     |                     | WHEEL DIAMETER (in) | DECK WIDTH (ft-in)  | DRAFT GEAR          |                           |
| 4                     | 246,400           |             |                   |                     |                     |                     |                     |                     |                           |
| 6                     | 247,600           |             |                   |                     |                     |                     |                     |                     |                           |
| 8                     | 249,200           |             |                   |                     |                     |                     |                     |                     |                           |
| 10 & OVER             | 250,000           |             |                   |                     |                     | 30"                 | 9' 0"               | M 901E              |                           |

**KRL 45011 & 45012**  
**125 Ton - 22' Depressed Deck Flat Car**  
**Drawing No. A19610**

## GENERAL NOTES:

Load Limit based on Suspension System Car CG=23.5" ATR for Empty Car.

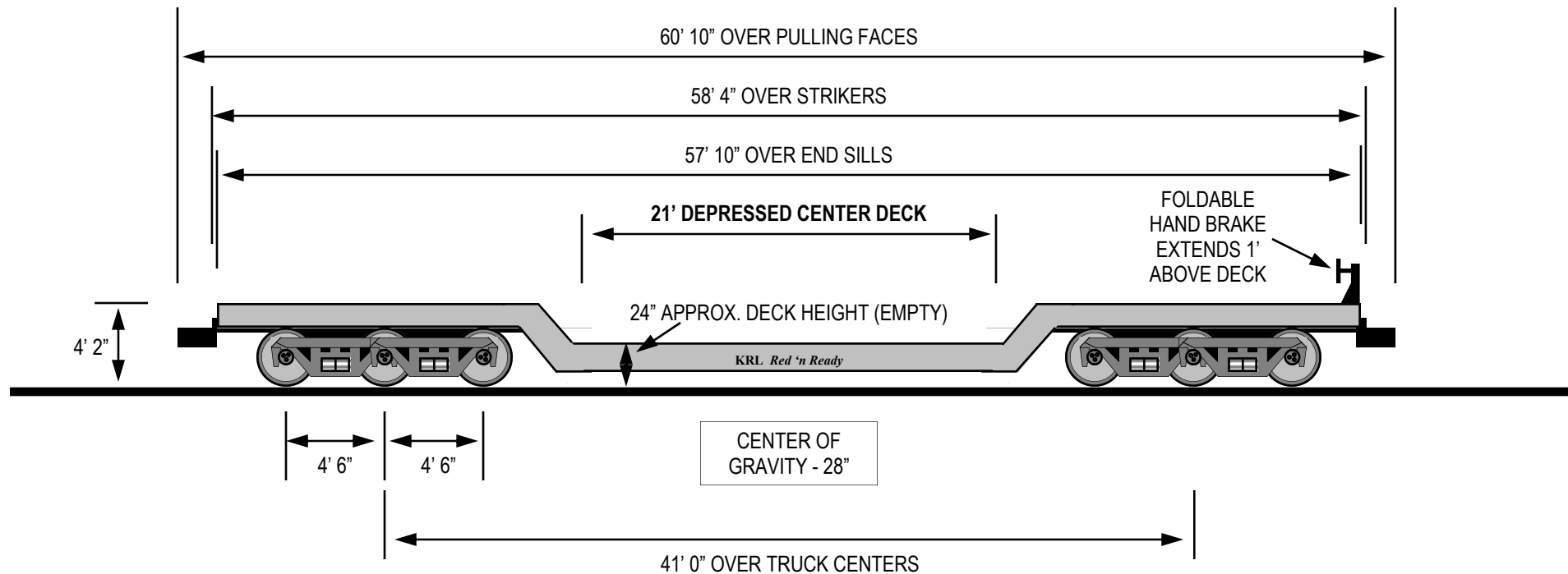
# KRL 600349



| LENGTH OF LADING (ft) | LOAD LIMITS (lbs) | CAR NUMBERS | LOAD LIMITS (lbs) | LIGHT WEIGHTS (lbs) | MAXIMUM GROSS (lbs) | SPRING TRAVEL (in)  | DECK LENGTH (ft-in) | DECK HEIGHT (ft-in) | JOURNAL SIZE BEARING TYPE |
|-----------------------|-------------------|-------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| 0                     | 245,700           | 600349      | 270,400           | 123,600             | 394,000             | 2 1/2"              | 21' 0"              | 2' 0"               | 6 1/2 X 12 ROLLER         |
| 2                     | 245,800           |             |                   |                     |                     | WHEEL DIAMETER (in) | DECK WIDTH (ft-in)  | DRAFT GEAR          |                           |
| 4                     | 246,400           |             |                   |                     |                     |                     |                     |                     |                           |
| 6                     | 247,600           |             |                   |                     |                     |                     |                     |                     |                           |
| 8                     | 249,200           |             |                   |                     |                     |                     |                     |                     |                           |
| 10 & OVER             | 250,700           |             |                   |                     |                     | 30"                 | 9' 0"               | 5" EOC              |                           |

**KRL 600349**  
**115 Ton - 21' Depressed Deck Flat Car**  
**Drawing No. A19661**

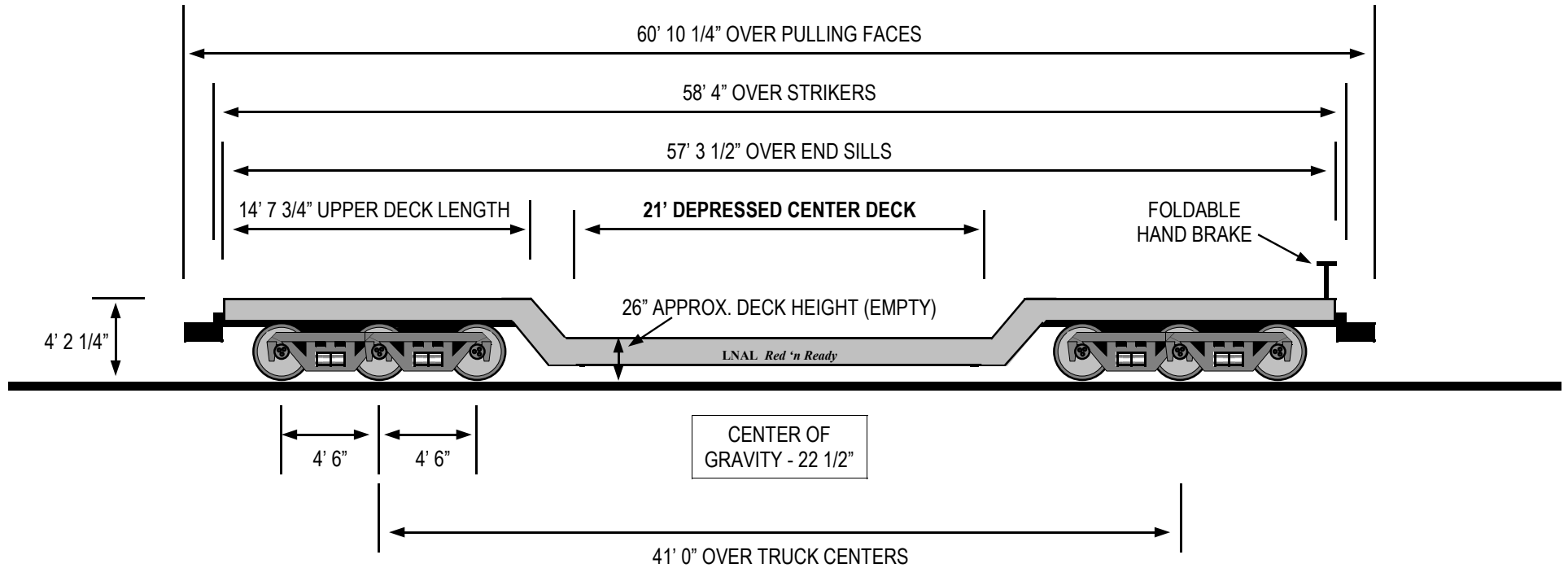
# KRL 600907



| LENGTH OF LADING (ft) | LOAD LIMITS (lbs) | CAR NUMBERS | LOAD LIMITS (lbs) | LIGHT WEIGHTS (lbs) | MAXIMUM GROSS (lbs) | SPRING TRAVEL (in)  | DECK LENGTH (ft-in) | DECK HEIGHT (ft-in) | JOURNAL SIZE BEARING TYPE |
|-----------------------|-------------------|-------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| N/A                   | N/A               | 600907      | 270,900           | 123,600             | 394,500             | 2 1/2"              | 21' 0"              | 2' 0"               | 6 1/2 X 12 ROLLER         |
|                       |                   |             |                   |                     |                     | WHEEL DIAMETER (in) | DECK WIDTH (ft-in)  | DRAFT GEAR          |                           |
|                       |                   |             |                   |                     |                     | 30"                 | 9' 0"               | M 901E              |                           |

**KRL 600907**  
**125 Ton - 21' Depressed Deck Flat Car**  
**Drawing No. A19656**

# LNAL 863021-863025



| LENGTH OF LADING (ft) | LOAD LIMITS (lbs) | CAR NUMBERS   | LOAD LIMITS (lbs) | LIGHT WEIGHTS (lbs) | MAXIMUM GROSS (lbs) | SPRING TRAVEL (in)  | DECK LENGTH (ft-in) | DECK HEIGHT (ft-in) | JOURNAL SIZE BEARING TYPE |
|-----------------------|-------------------|---------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| 0                     | 230,000           | <b>863021</b> | 270,100           | 125,620             | 394,500             | 1 5/8"              | 21' 0"              | 2' 2"               | 6 1/2 X 12 ROLLER         |
| 2                     | 230,600           | <b>863022</b> | 270,400           | 124,100             | 394,500             | WHEEL DIAMETER (in) | DECK WIDTH (ft-in)  | DRAFT GEAR          |                           |
| 6                     | 233,000           | <b>863023</b> | 270,700           | 123,800             | 394,500             |                     |                     |                     |                           |
| 10                    | 236,600           | <b>863024</b> | 269,500           | 125,000             | 394,500             |                     |                     |                     |                           |
| 14                    | 242,300           | <b>863025</b> | 261,800           | 132,700             | 394,500             | 30"                 | 9' 0"               | Miner RF 333        |                           |
| 18 & OVER             | LOAD LIMIT        |               |                   |                     |                     |                     |                     |                     |                           |

**LNAL 863021-863025**  
**125 Ton - 21' Depressed Deck Flat Car**  
**Drawing No. A19632**

## GENERAL NOTES:

Cars built 1957 - rebuilt 1999 - formerly MP cars.

