

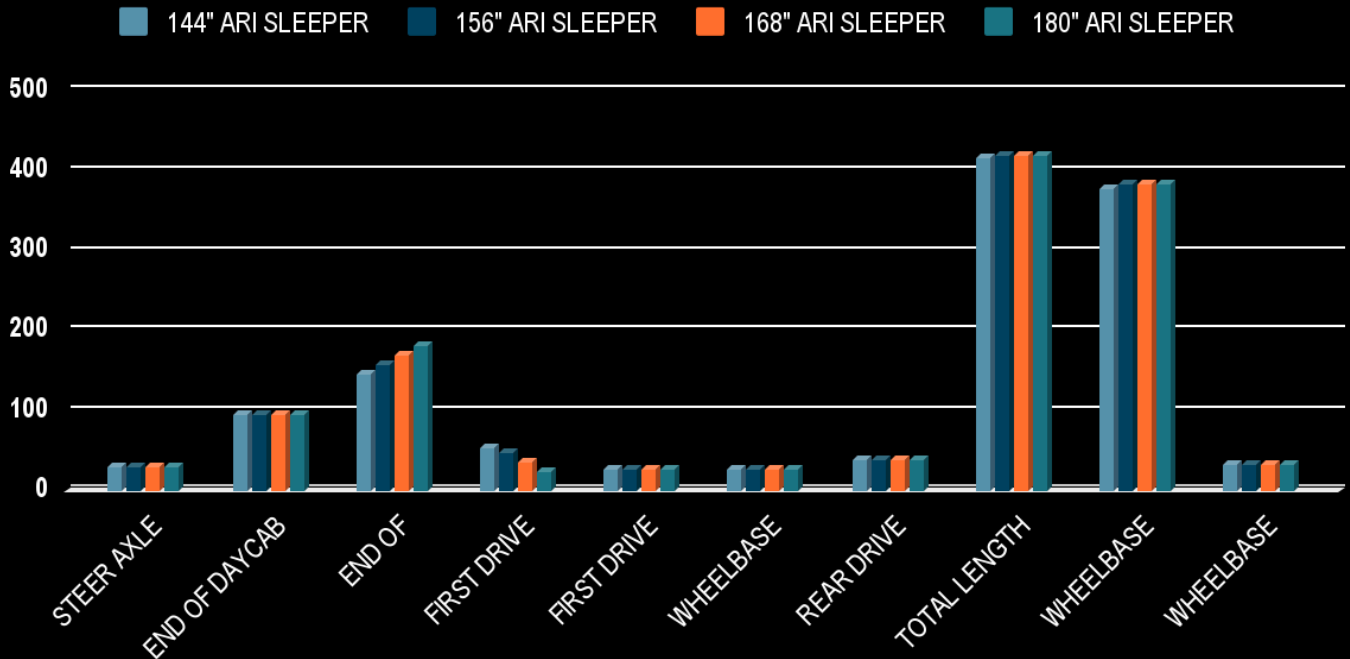


2024 Kenworth W900 Ext. Cab with 156 Inch ARI Legacy II RBSD Sleeper, X15 Cummins, 605 HP, Eaton – Fuller 18-Speed Manual Transmission, 2 Speed Aux. Transmission, 346 Inch WB.

	<i>GREAT DANE TRIDEM EVEREST</i>
<i>TRAILER LENGTH (Feet)</i>	<i>53</i>
<i>KINGPIN SPACING (Feet)</i>	<i>36.5</i>
<i>TRAILER AXLE HEIGHT (Inches)</i>	<i>21</i>
<i>TRAILER INTERIOR HEIGHT (Inches)</i>	<i>108</i>
<i>TRAILER EXTERIOR HEIGHT (Feet)</i>	<i>13.5</i>
<i>TRAILER GROUND TO FLOOR HEIGHT</i>	<i>4</i>
<i>TRAILER RIDE HEIGHT (Inches)</i>	<i>19</i>
<i># OF AXLES</i>	<i>3</i>
<i>KINGPIN SETTING (Inches)</i>	<i>30</i>
<i>AXLES SPACING (Feet)</i>	<i>10</i>
<i>LANDING GEAR PLACEMENT FROM FRONT (Inches)</i>	<i>114</i>
<i>AXLE #1 HUB LOCATIONS (Front to Rear - Rear to Front)</i>	<i>29 - 24</i>
<i>AXLE #2 HUB LOCATIONS (Front to Rear - Rear to Front)</i>	<i>39 - 14</i>
<i>AXLE #3 HUB LOCATIONS (Front to Rear - Rear to Front)</i>	<i>49 - 4</i>

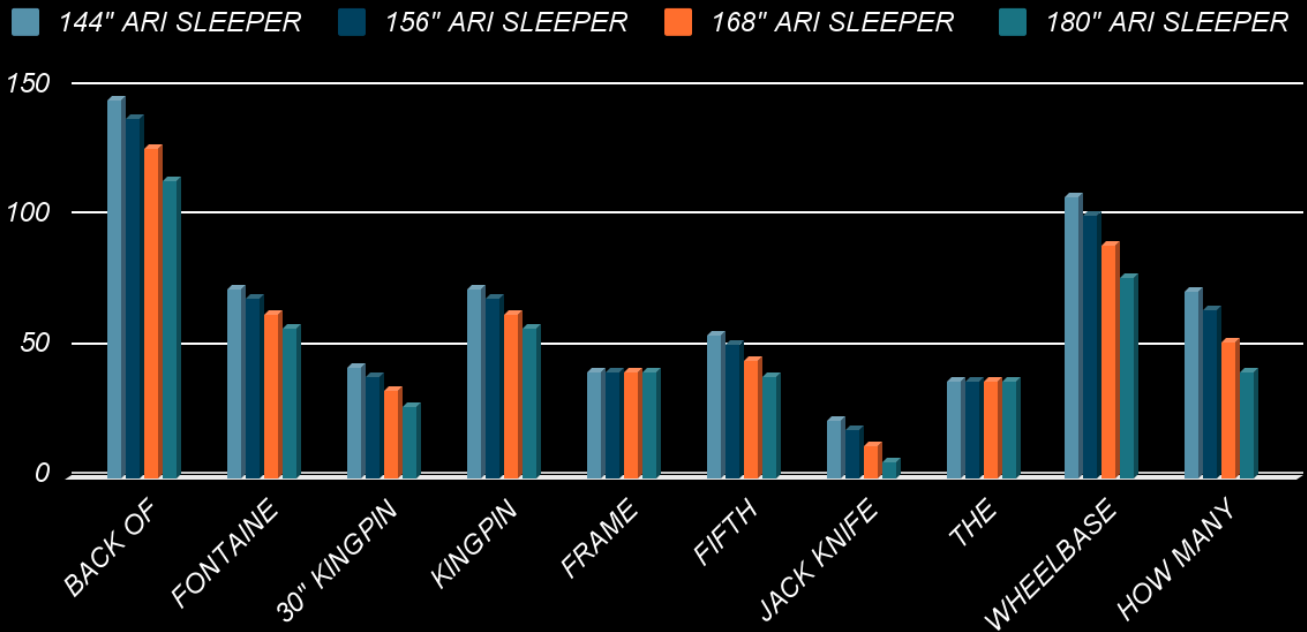
	<i>INCHES (Spacing)</i>	<i>FEET (Spacing)</i>	<i>2 AXLES WEIGHT RATING (lbs.)</i>
<i>KENWORTH W900L STEER AXLE (Spacing to Bumper)</i>	<i>30</i>	<i>2.5</i>	<i>20,000</i>
<i>KENWORTH W900L TANDEM DRIVE AXLE FRONT (Spacing to Steer Axle)</i>	<i>321</i>	<i>26.75</i>	<i>40,000</i>
<i>KENWORTH W900L TANDEM DRIVE AXLE REAR (Spacing to Front Drive)</i>	<i>54</i>	<i>4.5</i>	<i>34,000</i>
<i>GREAT DANE EVEREST SS FRONT TRIDEM AXLE (Spacing to Last Drive Axle)</i>	<i>252</i>	<i>21</i>	<i>40,000</i>
<i>GREAT DANE EVEREST SS MIDDLE TRIDEM AXLE (Spacing to Front Trailer Axle)</i>	<i>120</i>	<i>10</i>	<i>40,000</i>
<i>GREAT DANE EVEREST SS REAR TRIDEM AXLE (Spacing to Rear Bumper)</i>	<i>60</i>	<i>5</i>	<i>20,000</i>
<i>TOTALS</i>	<i>837</i>	<i>69.75</i>	<i>194,000</i>
<i>AVERAGES (Divided by 6)</i>	<i>139.5</i>	<i>11.625</i>	<i>32333.33333</i>
<i>2 Axles On Kenworth W900L & Great Dane Everest SS Set</i>	<i>140" Apart</i>	<i>12' Apart</i>	<i>32,333 lbs. Between Axles</i>
<i>PERMIT WEIGHT PER AXLE - 16,166 lbs. per Axle</i>			
<i>Max Permit Weight - 96,999 lbs.</i>			

ARI LEGACY II CUSTOM SLEEPER ON KENWORTH W900L FRAME w/356" WHEELBASE MAX.



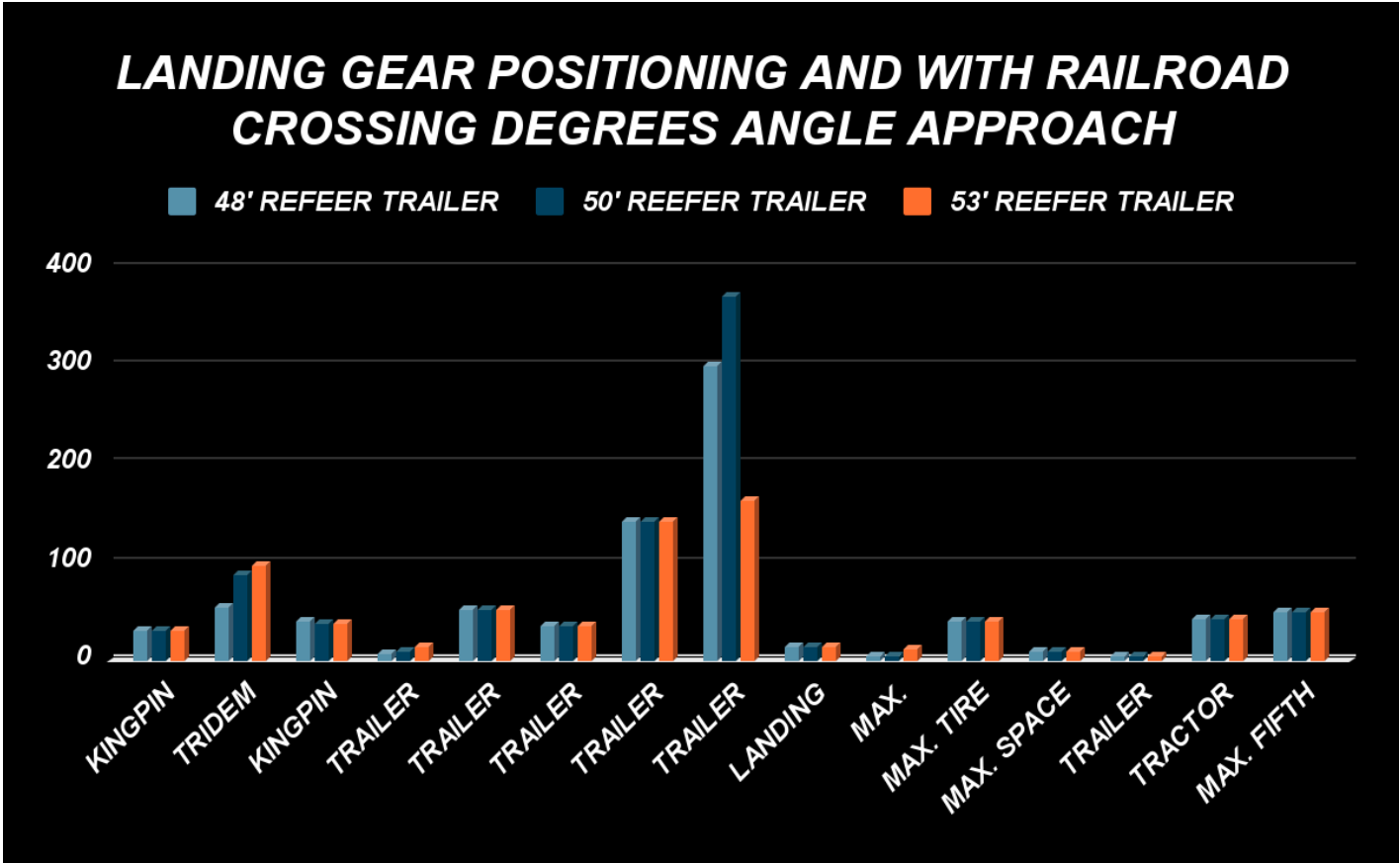
	144" ARI SLEEPER	156" ARI SLEEPER	168" ARI SLEEPER	180" ARI SLEEPER
STEER AXLE HUB FROM FRONT BUMPER	30"	30"	30"	30"
END OF DAY CAB FROM FRONT AXLE HUB	96"	96"	96"	96"
END OF SLEEPER FROM END OF DAY CAB	144"	156"	168"	180"
FIRST DRIVE HUB FROM REAR OF SLEEPER	54"	47"	35"	23"
FIRST DRIVE HUB TO WHEELBASE SPACING	27"	27"	27"	27"
WHEELBASE SPACING TO REAR DRIVE AXLE HUB	27"	27"	27"	27"
REAR DRIVE AXLE HUB TO END OF FRAME	37"	37"	37"	37"
TOTAL LENGTH OF KENWORTH W900L (Inches)	415"	420"	420"	420"
WHEELBASE (inches)	378"	383"	383"	383"
WHEELBASE (Feet)	31.5"	31.9"	31.9"	31.9"

FONTAINE 5th WHEEL PLACEMENT WITH TRAILER JACKKNIFE SPACING AVAILABILITY



	144" ARI SLEEPER	156" ARI SLEEPER	168" ARI SLEEPER	180" ARI SLEEPER
BACK OF SLEEPER TO END OD FRAME (Inches)	145	138	126	114
FONTAINE AIR SLIDE NO SLACK 7000 AWB 55,000 lbs. VERTICAL LOAD 5th WHEEL 36" SLIDE / 10.75" Height Center point Placement on Rear (Inches)	72.5	69	63	57
30" KINGPIN TRAILER SPACE FROM SLEEPER AT 18" CENTER POINT (Fifth Wheel Jaws) - (Inches)	42.5	39	33	27
KINGPIN CENTER SPACE TO END OF FRAME (Inches)	72.5	69	63	57
FRAME DESIRED HEIGHT w/10.75" FIFTH WHEEL HEIGHT (Inches)	40	40	40	40
FIFTH WHEEL FURTHEST POINT TO SLEEPER (Inches)	54.5	51	45	39
JACK KNIFE SPACE FROM TRAILER TO SLEEPER IN FIFTH WHEEL CENTER POINT (Inches)	21.5	18	12	6
THE WHEELBASE POSITION FROM REAR OF FRAME (Inches)	37	37	37	37

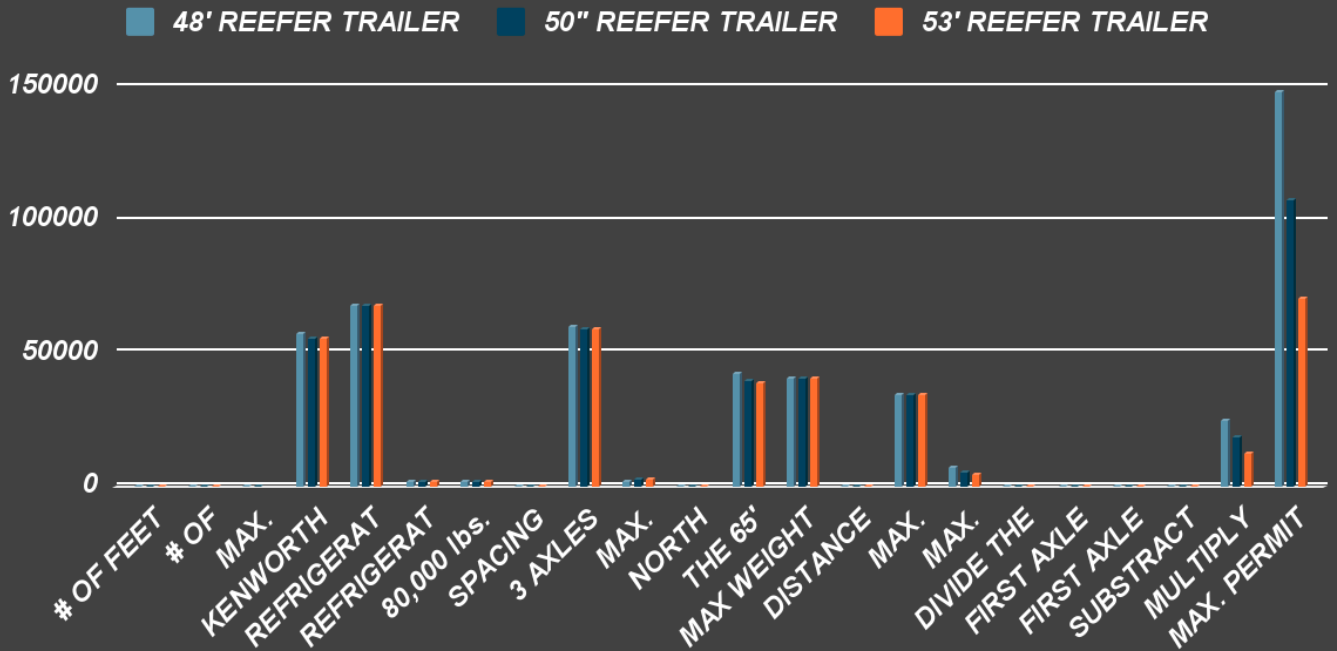
<i>WHEELBASE POSITION FROM REAR OF SLEEPER (Inches)</i>	<i>108</i>	<i>101</i>	<i>89</i>	<i>77</i>
<i>HOW MANY INCHES FROM CENTER POINT REAR TO CENTER POINT FROM SLEEPER (Inches)</i>	<i>71</i>	<i>64</i>	<i>52</i>	<i>40</i>



	<i>48' REEFER TRAILER</i>	<i>50' REEFER TRAILER</i>	<i>53' REEFER TRAILER</i>
<i>KINGPIN SETTING (Inches)</i>	<i>30</i>	<i>30</i>	<i>30</i>
<i>TRIDEM AXLE SPREAD (Inches)</i>	<i>54</i>	<i>87</i>	<i>96</i>
<i>KINGPIN AXLE SPACING (feet)</i>	<i>38.75</i>	<i>38</i>	<i>38</i>
<i>TRAILER WHEELBASE MARK FROM REAR OF TRAILER (feet)</i>	<i>6.75</i>	<i>9.5</i>	<i>12.5</i>
<i>TRAILER GROUND CLEARANCE FROM FLOOR TO GROUND (Inches)</i>	<i>50</i>	<i>50</i>	<i>50</i>
<i>TRAILER LANDING GEAR FRAME HEIGHT (Inches)</i>	<i>34</i>	<i>34</i>	<i>34</i>
<i>TRAILER CENTER OF LANDING GEAR TO FRONT OF TRAILER (Inches)</i>	<i>141</i>	<i>141</i>	<i>141</i>
<i>TRAILER CENTER OF LANDING GEAR TO FIRST TRAILER AXLE HUB (Inches)</i>	<i>300</i>	<i>369</i>	<i>162</i>

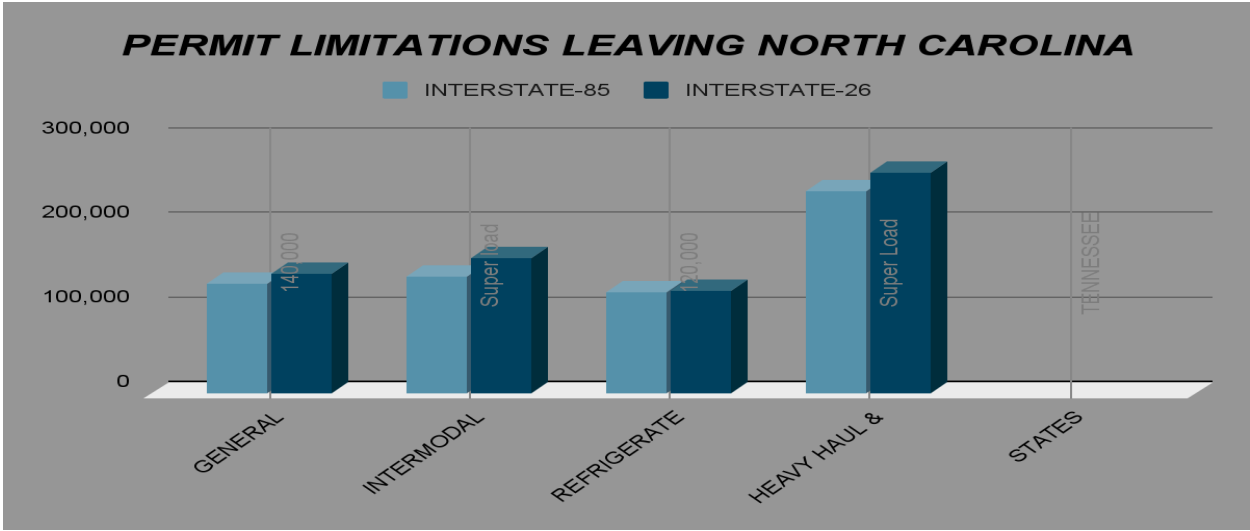
LANDING GEAR IN FULLY RAISED POSITION GROUND CLEARANCE	14	14	14
MAX. GROUND CLEARANCE ELEVATION FROM FRONT AXLE TO LANDING GEAR RAISED HEIGHT (Degrees)	4	5	11
MAX. TIRE HEIGHT FROM GROUND TO TOP OF INFLATED TIRE	40	40	40
MAX. SPACE FROM TOP OF TIRE TO BOTTOM OF WOOD FLOOR (2" x 4" x 10' Lumber Floor)	8	8	8
TRAILER MAX SIDE ALUMINIUM SKIRT FROM BOTTOM OF FLOOR DROPPING DOWN (Inches)	4	4	4
TRACTOR FRAME HEIGHT (Inches)	42	42	42
MAX. FIFTH WHEEL HEIGHT OFF TRACTOR FRAME (Inches)	48	48	48

CORRECT TRAILER LENGTH AND AXLE SPACING FOR KENWORTH W900L



	48' REEFER TRAILER	50" REEFER TRAILER	53' REEFER TRAILER
# OF FEET FROM KINGPIN TO MAKE 65' SPACING (Feet)	21.75	19.75	19
# OF TRACTOR FEET UNDER TRAILER TO CENTER THE KINGPIN AT TRACTOR WHEELBASE (Feet)	7	7	7
MAX. WHEELBASE FOR KENWORTH W900L + 7' TRAILER OVER TRACTOR TO HAVE 65' AXLE SPACING	28.75	26.75	26'
KENWORTH W900L FEDERAL BRIDGE RATING WITH 3 AXLES WITH ABOVE AXLE SPACING	57,000 lbs/	55,000 lbs.	55,000 lbs.
REFRIGERATED TRAILER WEIGHT RATING (4 Axles @ 38' Spacing) FEDERAL BRIDGE RATING	67,500 lbs.	67,500 lbs.	67,500 lbs.
REFRIGERATED TRAILER MAX. WEIGHT PER FOOT LENGTH	1,406 lbs.	1,350 lbs.	1,274 lbs.
80,000 lbs. LEGAL WEIGHT WITH 65' SPACING WEIGHT PER FOOT	1,231 lbs.	1,231 lbs.	1,231 lbs.
SPACING FROM KINGPIN TO FIRST TRAILER AXLE (Feet)	34	31	30

<i>3 AXLES (Kenworth W900L Tandem Drive + 1st Trailer Axle) BRIDGE RATING w/Above Spacing</i>	<i>60,000 lbs.</i>	<i>59,000 lbs.</i>	<i>58,500 lbs.</i>
<i>MAX. WEIGHT PER FOOT (3 Axles Above Spacing)</i>	<i>1,765 lbs.</i>	<i>1,903 lbs.</i>	<i>1,950 lbs.</i>
<i>NORTH CAROLINA TRIDEM RATED 60,000 lbs. (Divide Above Weight into 60,000 for Tridem Spacing)</i>	<i>34</i>	<i>32</i>	<i>31</i>
<i>THE 65' LEGAL AXLE SPACING (multiply 1,231 lbs. x Above Spacing for Weight)</i>	<i>41,854 lbs.</i>	<i>39,392 lbs.</i>	<i>38,161 lbs.</i>
<i>MAX WEIGHT BETWEEN 2 AXLES (10' Spacing or More)</i>	<i>40,000 lbs.</i>	<i>40,000 lbs.</i>	<i>40,000 lbs.</i>
<i>DISTANCE BETWEEN (Axle Spacing) FEET</i>	<i>5</i>	<i>7</i>	<i>8</i>
<i>MAX. WEIGHT BETWEEN AXLES (Federal Bridge Weight Rating)</i>	<i>34,000 lbs.</i>	<i>34,000 lbs.</i>	<i>34,000 lbs.</i>
<i>MAX. WEIGHT PER FOOT (Between Axles)</i>	<i>6,800</i>	<i>4,857</i>	<i>4,250</i>
<i>DIVIDE THE ABOVE WEIGHT INTO 60,000 lbs. (North Carolina Rating) TRIDEM AXLE SPACING</i>	<i>5</i>	<i>7</i>	<i>8</i>
<i>FIRST AXLE PLACEMENT (with above spacing) FROM KINGPIN (Feet)</i>	<i>33</i>	<i>31</i>	<i>30</i>
<i>FIRST AXLE PLACEMENT (with above spacing) FROM REAR OF TRAILER (Feet)</i>	<i>12.5</i>	<i>16.5</i>	<i>20.5</i>
<i>SUBTRACT (First Axle Placement From Kingpin - First Axle Placement From Rear) AXLE FEET RATING</i>	<i>20.5</i>	<i>14.5</i>	<i>9.5</i>
<i>MULTIPLY ABOVE RATING (1,231 lbs. per foot x Spacing) FIRST AXLE 80,000 lbs. Load (Manufacture Axle Rating 25k)</i>	<i>24,620</i>	<i>17,849.50</i>	<i>11,694.50</i>
<i>MAX. PERMIT SHIPMENT RATING PER AXLE (Weight Per Axle Above x 6 Axles)</i>	<i>147720</i>	<i>107097</i>	<i>70167</i>



	INTERSTATE- 40	INTERSTATE-85	INTERSTATE-26	INTERSTATE - 64	INTERSTATE -20
GENERAL FREIGHT WEIGHT 7- AXLES (lbs.)	122,900	127,000	140,000	126,000	130,000
INTERMODAL WEIGHT 8-AXLES (lbs.)	Super load	143,000	Super Load	140,000	141,000
REFRIGERATED GOODS 6-AXLES (lbs)	117,450	124,000	120,000	126,000	123,000
HEAVY HAUL & SPECIALIZED 13-AXLES (lbs.)	Super Load	260,000	Super Load	260,000	248,000
STATES LIMITATION (Least Amount)	ARIZONA	VIRGINIA	TENNESSEE	ILLINOIS	MISSISSIPPI

	INTERSTATE-95	INTERSTATE-95	INTERSTATE-77	INTERSTATE-77	INTERSTATE-81
GENERAL FREIGHT WEIGHT 7- AXLES (lbs.)	Super load	800 lbs. Per Tire Inch	140,000	Super Load	146,000
INTERMODAL WEIGHT 8-AXLES	Super Load	800 lbs. Per Tire Inch	160,000	Super Load	155,000

<i>(lbs.)</i>					
<i>REFRIGERATED GOODS 6-AXLES (lbs)</i>	<i>1200,000</i>	<i>800 lbs. Per Tire Inch</i>	<i>120,000</i>	<i>115,000</i>	<i>125,000</i>
<i>HEAVY HAUL & SPECIALIZED 13-AXLES (lbs.)</i>	<i>Super Load</i>	<i>800 lbs. Per Tire Inch</i>	<i>260,000</i>	<i>Super Load</i>	<i>272,000</i>
<i>STATES LIMITATION (Least Amount)</i>	<i>MASSACHUSETTS</i>	<i>NEW JERSEY</i>	<i>SOUTH CAROLINA</i>	<i>WEST VIRGINIA</i>	<i>PENNSYLVANIA</i>

