



Self-Propelled Equipment

At the time of the original permit request for self-propelled equipment, whether annual (blanket) or single trip, the schematics must be submitted indicating axle spacings, axle weights, gross weight and length of front and/or rear overhang prior to the issuance of a permit.

Explanation of symbols used in the following chart:

- < - less than
- > - greater than

OFF HIGHWAY USE SELF-PROPELLED EQUIPMENT

designed specifically for off highway use and has low pressure/floatation tires

	Extreme Wheelbase <u>Measurement</u>	Maximum Allowable <u>Weight</u>
SINGLE		37,000 gross
TANDEM AXLE		50,000 gross
TWO (2) AXLE VEHICLE		
	<10'	65,000 gross
	10'>	70,000 gross
THREE (3) AXLE VEHICLE		
	single/tandem <16'	75,000 gross
	16'>	80,000 gross
	single/single/single	engineering study

TRAVEL RESTRICTIONS:

- 2 escorts required
- time of travel - 9:00 am – 2:30 pm
- total route of travel –maximum 15 miles

SELF-PROPELLED EQUIPMENT

	Extreme Wheelbase <u>Measurement</u>	Maximum Allowable <u>Weight</u>
TWO (2) AXLE VEHICLE		50,000 gross
	single/single 8'>	25,000 single
THREE (3) AXLE VEHICLE		70,000 gross
	single/tandem 15'>	25,000 single 50,000 tandem
FOUR (4) AXLE VEHICLE		
	quad grouping (less than 8' between any two consecutive axles) >18'	78,000 gross 20,000 per axle
	tandem/tandem >16' <22'	78,000 gross 50,000 tandem
	22'>	90,000 gross 50,000 tandem
FIVE (5) AXLE VEHICLE		
	tandem/tri >24' <28'	86,000 gross 37,500 tandem 60,000 tri
	28'>	94,500 gross 37,500 tandem 60,000 tri
	tandem/tandem/single 31'>	94,500 gross 50,000 tandem 15,000 single

SIX (6) AXLE VEHICLE

tri/tri >29' <34' 100,000 gross
60,000 tri

34'> 108,000 gross
60,000 tri

tandem/tandem/tandem

>37' <39' 100,000 gross
50,000 tandem with no two consecutive
sets of tandems to exceed 90,000 lbs.

39'> 108,000 gross
50,000 tandem with no two consecutive
sets of tandems to exceed 90,000 lbs.

single/single/tandem/tandem

engineering study

single/five axle grouping

engineering study

tandem/quad axle grouping

engineering study

SEVEN (7) OR MORE AXLE VEHICLE

For all seven (7) or more axle configurations the maximum gross weight is determined after an analysis of the weight distribution and axle configuration. Based on the configuration and engineering analysis, the configuration may be allowed a maximum gross weight up to 132,000 lbs.

ALL VARIATIONS OF AXLE CONFIGURATIONS OTHER THAN THOSE LISTED PREVIOUSLY WOULD REQUIRE INDIVIDUAL REVIEW

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CONTINUOUS TRAVEL FOR SELF-PROPELLED TRUCK CRANES

North Carolina law provides for a “legal overhang of 3 feet front overhang”.

CONTINUOUS TRAVEL (24 hours a day/7 days a week/365 days a year) is authorized **if the equipment meets the following criteria:**

- Gross vehicle weight does not exceed 112,000 lbs.
- Does not exceed a width of 8’ 6”.
- Does not exceed a height of 13’ 6”.
- Overhang both front and rear does not exceed a total combination of 10 feet in length, and
- All overhang is marked with the safety warning tape and equipment described below:

1. High intensity glass bead retro-reflective sheeting (tape) measuring 2” x 12” to be displayed on
 - (A) extreme extension of both sides and on front/rear extension of overhang; and
 - (B) on each side of crane 24” from road surface at nearest feasible center point between steer and drive axles.
2. Rear Lights in working order to be displayed on any rear overhang during travel as follows:
 - (A) Temporarily mounted brake light, and
 - (B) Flashing amber light (8” in diameter) minimum 800 watt candle power.



Self-Propelled Schematic Worksheet

Check the appropriate box:

- Self-propelled truck crane
- Self-propelled drill rig
- Rough terrain crane (floatation/low pressure tires)
- Scraper (floatation/low pressure tires)
- Other _____

Serial Number: _____

Average speed _____ mph

Overall Width _____ ft. _____ inches

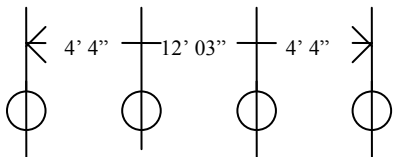
Overall Length _____ ft. _____ inches

Front Overhang _____ ft. _____ inches

Rear Overhang _____ ft. _____ inches

Total Number of Axles: _____

Example:



Single axle - (hub to hub) axle measurement more than 96 inches (8 ft.) between axles.

Tandem axle - (hub to hub) axle measurement is between 40 inches (3' 4") and 96 inches (8 ft.).

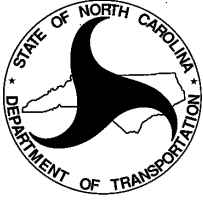
Enter diagram of equipment below:

Company Name

Contact Person (Area Code) Telephone Number

Fax to: (919) 662-4320

**If you have questions concerning this form, please contact:
North Carolina Department of Transportation
Oversize/Overweight Permit Unit
1-888-574-6683 or (919) 814-3700**



North Carolina Department of Transportation
Oversize/Overweight Permit Unit
750 N. Greenfield Parkway
Garner, NC 27529

TO RECEIVE BY:

Permit Wire Service

NAME OF PERMIT WIRE SERVICE

Credit Card (\$10.00 Authorization/Transmittal Fee)

(CREDIT CARD NUMBER)

(EXPIRATION DATE)

Direct Fax

DIRECT FAX ACCOUNT NUMBER

Pickup

Cash Check #

Fee: \$12-width
\$12-length
\$12-height
\$12-weight

GENERAL USE SINGLE TRIP PERMIT
FOR NON-DIVISIBLE QUALIFYING LOADS

(Mobile/Manufactured Home Permit Applications
are required to use special form PF-22)

Telephone: 1-888-LRG-MOVE
(574-6683)

Fax: (919) 662-4320

Effective Date

Refer to Permit No.
(For quick reference)

- Tractor/Trailer Truck/Trailer Truck Hauling Towing Self-Propelled
(schematics required)

Applicant
REGISTERED OWNER / LESSEE

DELIVER BY: FAX EMAIL

Address
STREET
CITY STATE ZIP

Fax # () -
AREA CODE

Email

Gross Weight Registered License Wt. Total No. Axles of Combination

Extreme Wheelbase Measurement (Hub to Hub) of Vehicle/Vehicle Combination ft. inches

Overall: Width Length Height Front Overhang ft. Rear Overhang ft. Trailer Length ft.

Trailer Design: Flat Bed Single Drop Double Drop Stretch Other
(Specific Design)

Commodity Hauled Towed

(If transporting Construction Equipment, specific type/design is required. Provide length of piece if transporting beams/girders.)

If commodity is being hauled, how is it loaded:

Directly on Trailer Flat Rack Ship Container Sealed Ship Container Other
(Specific Description)

If hauling multiple pieces, how are they loaded: Stacked Side by Side In Line

Origin Destination
(Exact Location/Address/Jct.)

Requested route(s) of travel
(To include specific County Road Numbers, NC, US and Interstate Routes)

License No. of truck/tractor/special mobile equipment State

Serial/VIN number (last 5 digits) of truck/tractor/special mobile equipment USDOT #

Requested by Telephone () Date

