



# SINGLE TRIP PERMITS

## GENERAL NON-DIVISIBLE COMMODITY

General non-divisible commodities include but are not limited to: boats\*, construction equipment, farm or business machinery, trusses, beams, girders, tanks, transformers, self-propelled equipment\* and sealed ship containers\*.

It is the responsibility of the permittee to reduce all over-dimension and/or overweight loads to the least possible dimension and weight prior to application for a permit. Permits are issued to the registered owner of the power unit with the license plate number and the last 5 digits of the VIN/serial number of the power unit.

Permit is valid for 10 calendar days. Cost for permit is \$12 per dimension over the legal limit.

### Permit Regulations

Width: 16' 11" maximum. Applications for loads in excess of 16' in width are required to be submitted in writing at least two business days prior to the anticipated move date.

Height: Maximum determined by vertical clearance along authorized route of travel. Applications for loads in excess of 14' in height are required to be submitted in writing at least two business days prior to the anticipated move date.

Length: No overall length limitations

Weight: 132,000lbs maximum

#### Gross Weights:

5 axles – 112,000lbs (94,500lbs for wheelbase < 51')  
 6 axles – 120,000lbs (108,000lbs for wheelbase < 51')  
 7 axles – 132,000lbs (122,000lbs for wheelbase < 51')

#### Axle Weights:

Steer – 20,000lbs  
 Single – 25,000lbs  
 Tandem – 50,000lbs  
 Tridem – 60,000lbs  
 Four or more grouping – 68,000lbs

### Travel Regulations

The route traveled from a specific origin to a specific destination must be provided. A return trip to the origin may be authorized if requested at the time of original issuance and the return trip can be made within the validation of the permit. Authorized time of movement is restricted to Monday through Sunday, sunrise to sunset unless otherwise stated on permit. Continuous travel (24 hr / 365 days a year) is authorized for any vehicle/vehicle combination up to but not exceeding a permitted gross weight of 112,000 lbs. provided the permitted vehicle has no other over legal dimensions. Permitted vehicle/vehicle combinations exceeding a width of 12' are not authorized to travel within a 10-mile radius of the city limits of Charlotte, Raleigh, Durham or Chapel Hill between the hours of 7:00am – 9:00am and 4:00pm – 6:00pm. Convoy travel is prohibited - permitted vehicles owned or leased by the same company or permitted vehicles originating at the same location shall travel at a distance of 2 or more miles apart.

### Safety Equipment

A 7' long by 18" tall yellow banner with black, 10" high x 1 ½" brush strokes bearing the legend "OVERSIZE LOAD" or "WIDE LOAD" shall be displayed on the front and rear bumpers of any vehicle combination more than 10' wide. Two separate banners totaling a length of 7' to provide for display of registration plates/decals may be used. Red or orange 18" square flags shall be placed on all four corners at the widest points of overwidth load or as specified on the permit.

### Boats – Special Rules

#### 8'7" – 9'6" Wide

No permit required. No travel or time restrictions. Minimum of two operable amber lights on widest point.

#### 9'7" – 9'11" Wide

No permit required. Travel restricted to sunrise to sunset. Minimum of two operable amber lights on widest point.

#### 10' Wide and Greater

Permit required and all permit restrictions apply.

### Sealed Ship Containers – Special Rules

In addition to standard non-divisible commodity permit regulations, the following requirements must be met:

- Traveling to or from a designated seaport (either in state or out of state)
- Has been or will be transported intact by marine shipment with the original unbroken seal or a replacement seal affixed by an authorized government agency
- Proper documentation (shipper's bill of landing and/or trucking bill of landing) of sealed commodity being transported is available for enforcement inspection.

### Self-Propelled Equipment – Special Rules

At the time of the original permit request for self-propelled equipment, 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. North Carolina law provides for a "legal overhang of 3 feet front overhang".

#### Extreme Wheel Base for Maximum Allowable Weights

|                                        |               |
|----------------------------------------|---------------|
| <u>TWO (2) AXLE VEHICLE</u>            | 50,000 gross  |
| single/single                      8'> | 25,000 single |

|                                         |               |
|-----------------------------------------|---------------|
| <u>THREE (3) AXLE VEHICLE</u>           | 70,000 gross  |
| single/tandem                      15'> | 25,000 single |
|                                         | 50,000 tandem |

|                                              |                 |
|----------------------------------------------|-----------------|
| <u>FOUR (4) AXLE VEHICLE</u>                 |                 |
| quad grouping                      >18'      | 78,000 gross    |
|                                              | 20,000 per axle |
| tandem/tandem                      >16' <22' | 78,000 gross    |
|                                              | 50,000 tandem   |
|                                              | 90,000 gross    |
|                                              | 50,000 tandem   |

|                                                |               |
|------------------------------------------------|---------------|
| <u>FIVE (5) AXLE VEHICLE</u>                   |               |
| tandem/tri                      >24' <28'      | 86,000 gross  |
|                                                | 37,500 tandem |
|                                                | 60,000 tri    |
|                                                | 94,500 gross  |
|                                                | 37,500 tandem |
|                                                | 60,000 tri    |
| tandem/tandem/single                      31'> | 94,500 gross  |
|                                                | 50,000 tandem |
|                                                | 15,000 single |

|                                                     |                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------|
| <u>SIX (6) AXLE VEHICLE</u>                         |                                                                             |
| tri/tri                      >29' <34'              | 100,000 gross                                                               |
|                                                     | 60,000 tri                                                                  |
|                                                     | 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 Required                                                  |
| single/five axle grouping                           |                                                                             |
| tandem/quad axle grouping                           |                                                                             |

|                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>SEVEN (7) OR MORE AXLE VEHICLE</u>                                                                                                                                                                                                                                                    |
| 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 132,000lbs. |

CONTINUOUS TRAVEL (24 hr / 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.

\*\*\*Special rules for *Off Highway Use Self Propelled Equipment*: (designed specifically for off highway use and has low pressure/flotation tires) Two (2) escorts required. Time of travel restricted to 9:00am – 2:30pm. Total route of travel restricted to a max of 15 miles. The following Maximum Allowable Weights apply per Extreme Wheelbase Measurement:

| <u>Single</u> – 37,000 gross | <u>Two Axle Vehicle</u> | <u>Three Axle Vehicle</u> |                   |
|------------------------------|-------------------------|---------------------------|-------------------|
| <u>Tandem</u> – 50,000 gross | < 10' 65,000 gross      | single/tandem <16'        | 75,000 gross      |
|                              | 10' > 70,000 gross      | single/tandem 16'>        | 80,000 gross      |
|                              |                         | single/single/single      | Engineering study |

**Escorts** (unless otherwise specified on permit) See Publication E-9 for more information.

- One front pole car escort vehicle for loads exceeding 14' 5" in height.
- Front escort required for movement of all commodities exceeding 12' in width on two lane/two way traffic highways and rear escort required on multi-lane highways or as determined by the issuing agent and stated on the permit.
- Rear escort required for permitted loads exceeding 110' in length.
- Additional escorts may be required for any vehicle or vehicle combination with individual consideration of weight, width, length, height, weather, geographical location or route of travel as determined by issuing agent.

See Single Trip Permit Services Offered (PSA-10) PDF for more information on how to obtain a Single Trip Permit.

### **MOBILE / MODULAR HOMES**

Permit is valid for 10 calendar days. Cost for permit is \$12 per dimension over the legal limit.

#### **12 FT WIDE**

Required for movement of mobile/modular homes not authorized by an annual permit and movement of all mobile/modular homes in excess of legal height (13' 6"). Authorized time of movement is Monday through Sunday, sunrise to sunset unless otherwise stated on permit.

**Overhang**: Roof overhang beyond the 3" gutter edge will be considered as a 14' wide unit.

**Height**: Loads in excess of 14' in height are required to make written application at least two business days prior to the anticipated date of movement for review and processing.

**Length**: Total maximum vehicle combination length is 105'. Max length of home is 80' (76' unit and 4' tongue).

**Axles**: Mobile/modular unit shall be equipped with a minimum of two (2) braking axles in good working condition controlled and operated from inside the towing unit. All wheels on the braking axle shall be equipped with operable brakes. Authorization of special axle exemption for the specific home is required to be carried in the pulling unit while traveling on all North Carolina highways.

**Escorts** (unless otherwise specified on permit) See Publication E-9 for more information.

- One front pole car escort vehicle for loads exceeding 14' 5" in height.

#### **14 FT WIDE**

Required for movement of mobile/modular homes not authorized by an annual permit and movement of all mobile/modular homes in excess of legal height (13' 6"). Authorized time of movement is Monday through Sunday, sunrise to sunset unless otherwise stated on permit. Travel is NOT authorized within a 10 mile radius of the city limits of Charlotte, Raleigh, Durham or Chapel Hill between the hours of 7:00 am – 9:00 am and 4:00 pm – 6:00 pm.

**Overhang**: Roof overhang is limited to 12" gutter edge. Hinged roofs on the marriage side of a mobile/modular home section, creating overhang, must be included in the total allowable 12" roof overhang. Bay windows, room extensions or porches may be transported provided they do not extend beyond the maximum 12" roof overhang or the total width of overhang on the appropriate side of the home. This allowance applies only if reflective extenders of a design and color approved by the Department of Transportation equal to the width of the roof overhang or protrusion are attached to the front and rear of the unit to clearly identify the total width of the unit.

Height: Loads in excess of 14' in height are required to make written application at least two business days prior to the anticipated date of movement for review and processing.

Length: Total maximum vehicle combination length is 105'. Max length of home is 80' (76' unit and 4' tongue).

Axes: Minimum of 3 axles required for units greater than 52' in length including 4' tongue measurement; two of which must be braking axles operated and controlled from inside the towing unit. HUD regulations – 1 axle for each 6,000 lbs. Mobile/modular unit shall be equipped with a minimum of two (2) braking axles in good working condition controlled and operated from inside the towing unit. All wheels on the braking axle shall be equipped with operable brakes. Authorization of special axle exemption for the specific home is required to be carried in the pulling unit while traveling on all North Carolina highways.

Escorts (unless otherwise specified on permit) See Publication E-9 for more information.

- Front escort and rear escort on 2 lane/2 way highways
- One rear escort on multi-lane highways
- One front pole car escort vehicle for loads exceeding 14' 5" in height.

## **16 FT WIDE**

Required for movement of mobile/modular homes not authorized by an annual permit and movement of all mobile/modular homes in excess of legal height (13' 6"). Delivery and/or travel on primary routes with restrictions as indicated on the North Carolina Truck Network map and all secondary routes located west of Cleveland, Lincoln, Catawba, Iredell, Davie, Forsyth and Rockingham counties must include a Route Survey Form (PF-16A), from both the transporter and the certified escort driver for it to be considered a complete application. A copy of the NC Truck Network map is located on the Permit Unit website at <https://connect.ncdot.gov/business/trucking/Pages/overpermits.aspx>. Authorized time of movement is Monday through Saturday – 9:00am to 2:30pm unless otherwise stated on permit.

Overhang: Maximum 3" gutter edge

Height: Loads in excess of 14' in height are required to make written application at least two business days prior to the anticipated date of movement for review and processing.

Length: Total maximum vehicle combination length is 105'. Max length of home is 80' (76' unit and 4' tongue).

Axes: Minimum of 3 axles required for units greater than 52' in length including 4' tongue measurement; two of which must be braking axles operated and controlled from inside the towing unit. HUD regulations – 1 axle for each 6,000 lbs. Mobile/modular unit shall be equipped with a minimum of two (2) braking axles in good working condition controlled and operated from inside the towing unit. All wheels on the braking axle shall be equipped with operable brakes. Authorization of special axle exemption for the specific home is required to be carried in the pulling unit while traveling on all North Carolina highways.

Escorts (unless otherwise specified on permit) See Publication E-9 for more information.

- Front and rear escorts on all highways
- One front pole car escort vehicle for loads exceeding 14' 5" in height.

## **POWER UNIT (Toter) REQUIREMENTS**

The power unit used to transport mobile/modular homes shall be a vehicle designed and equipped to specifically transport mobile/modular homes. This "toter" shall have a gross vehicle weight rating (GVWR) of no less than 2 tons and have a minimum of a 4-speed transmission. Minimum length 15'. The total vehicle combination of toter/mobile/modular home must not exceed 105'. The registered license weight shall equal or exceed the gross weight of the toter/power unit and tongue weight of the mobile/modular home. Tires must be 7x14.5 or larger, 8 ply, 10ply or 12 ply rated tires with a tread depth not less than 2/32 inch. The name and address of mobile/modular home transporter shall be displayed on the right and left side of the power unit. Brake lights and turn signals must be in good working condition and headlights must be burning during all movement on North Carolina highways.

A serial number-specific freight bill or straight bill of lading for the specific mobile/modular home being transported shall be carried in the power unit while moving on all North Carolina highways. A yellow banner measuring a total of 7' x 18" high bearing the legend "WIDE \_\_\_\_ FT LOAD" or "OVERSIZE \_\_\_\_ FT LOAD" (properly identifying the width of the unit in transport) in black 10" x 1 1/2" brush stroke lettering shall be displayed on the front and rear of the mobile/modular home combination. Two separate banners equaling a total of 7' may be used to provide for display of registration plates, etc. Red or orange 18" square flags are to be displayed on all four corners of the mobile/modular unit 50" from the road surface. Flashing amber lights visible for 500' and 360° are required to be displayed 72" from the road surface on all 4 corners of the mobile/modular home with the option of mounting the required front lights on the mirror bar no less than the extreme width of the power unit. A two-way radio is required to remain in contact with the escort vehicle operator.