

# **Trailer Light Requirements**

## **ATAT Conference 2022**

## Notes:

- Trailer lights should NOT be an after thought!!
- Plan where the lights and reflectors will go BEFORE building the trailer

## Notes:

- Width is measured metal to metal at widest point
- Reflectors are there in case the light goes out

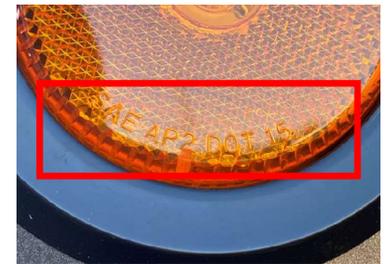
# Front Side Marker Lamps

- Purpose: Indicate vehicle's presence and length
- Quantity: Minimum 2
- Color: Amber
- Location: Each side at front  
As far forward as practicable  
Facing SIDEWARD



# Front Side Reflectors

- Purpose: Indicate vehicle's presence and length
- Quantity: Minimum 2
- Color: Amber
- Location: Each side at front  
As far forward as practicable facing SIDEWARD
- Can have reflector included in light – light must have the letter "A" stamped into it



"SAE AP2 DOT 15"



# Rear Side Marker Lamps

- Purpose: Indicate vehicle's presence and length
- Quantity: Minimum 2
- Color: Red
- Location: Each side at rear  
As far back as practicable  
Facing SIDEWARD



# Rear Side Reflectors

- Purpose: Indicate vehicle's presence and length
- Quantity: Minimum 2
- Color: Red
- Location: Each side at rear  
As far back as practicable
- Can have reflector included in light – light must have the letter "A" stamped into it



# Tail Lamps

- Purpose: Indicates vehicle's presence and width
- Quantity: Minimum 2
- Color: Red
- Location: On the rear
  - Symmetrical
  - As far apart as practicable



# Stop Lamps

- Purpose: Indicate braking
- Quantity: Minimum 2
- Color: Red
- Location: On the rear  
Symmetrical  
As far apart as practicable



# Rear Turn Signal Lamps

- Purpose: Indicate direction of turn
- Quantity: Minimum 2
- Color: Red
- Location: On the rear  
Symmetrical  
As far apart as practicable



# Rear Reflectors

- Purpose: Indicates vehicle's presence and width
- Quantity: Minimum 2
- Color: Red
- Location: On the rear
  - Symmetrical
  - As far apart as practicable
  - Facing REARWARD
- Can have reflector included in light – light must have the letter "A" stamped into it



# License Plate Light

- Purpose: Illuminates License plate
- Quantity: Minimum 1
- Color: White
- Location: On the rear  
Above or at the sides of  
license plate



# If trailer is 80" or wider

Measuring at widest point of trailer

METAL TO METAL

If trailer is  
80" or wider

# Front Clearance Lamps

- Purpose: Shows vehicle's width
- Quantity: Minimum 2
- Color: Amber
- Location: At widest point  
Symmetrical  
As far forward as practicable  
Facing FORWARD



If trailer is  
80" or wider

# Rear Clearance Lamps

- Purpose: Show vehicle's width  
SHALL NOT be combined  
with tail lamps
- Quantity: Minimum 2
- Color: Red
- Location: At widest point  
Symmetrical  
On the rear as far back as  
practicable  
Facing REARWARD



If trailer is  
80" or wider

# Rear Identification Lamps

- Purpose: Indicate presence of a wide vehicle
- Quantity: EXACTLY 3
- Color: Red
- Location: On the rear center  
Facing REARWARD  
Horizontally spaced 6"-12"  
center to center  
As high as practical

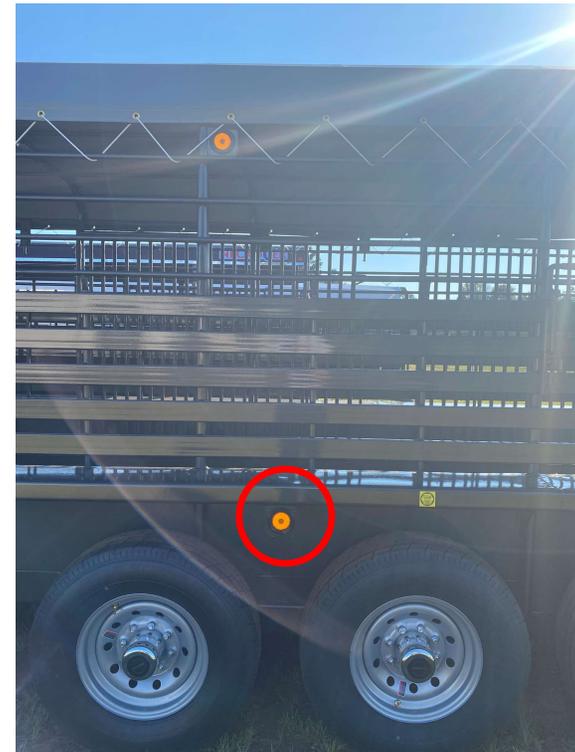


**If trailer is 30' or longer  
light requirements**

30' or longer

# Intermediate Side Marker Lamp

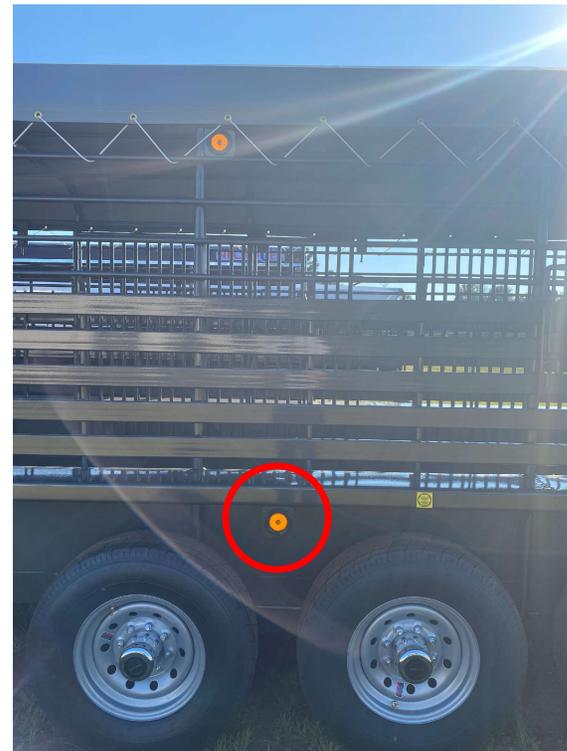
- Purpose: Indicate presence of a long vehicle
- Quantity: Minimum 2
- Color: Amber
- Location: Each side near center  
Facing SIDEWARD



30' or longer

# Intermediate Side Reflectors

- Purpose: Indicate presence of a long vehicle
- Quantity: Minimum 2
- Color: Amber
- Location: Each side near center  
Facing SIDEWARD
- Can have reflector included in light – light must have the letter “A” stamped into it



# Conspicuity Tape Requirements

If trailer is 80" or wider  
AND/OR  
GVWR 10,000 lbs or more

# Rear upper body marking

80" or wider  
& GVWR  
10,000lbs  
or more

- Quantity: Exactly 2 pairs – 12" long strips
- Color: White
- Location: On the rear upper corners  
Facing REARWARD  
As high as practical



# Rear Lower Body Marking

80" or wider  
& GVWR  
10,000lbs  
or more

- Quantity: Continuous
- Color: Red/White
- Location: On the rear  
Full width of vehicle  
Facing REARWARD

Red side of tape should be facing  
the ends



# Side Marking

80" or wider  
& GVWR  
10,000lbs  
or more

- Quantity: At least 50% length of trailer
- Color: Red/White
- Location: Each side  
Facing SIDEWARD  
Starts and ends as close to the front and rear as practical

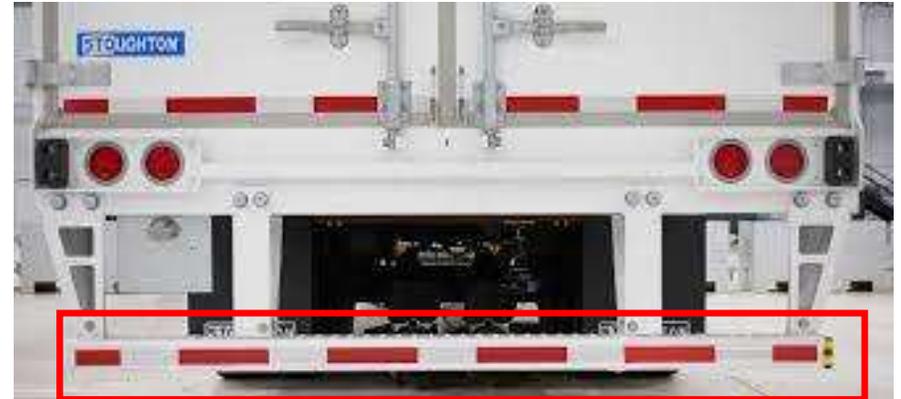
Red side of tape should be facing the rear



# Bumper Bar Body Marking

80" or wider  
& GVWR  
10,000lbs  
or more

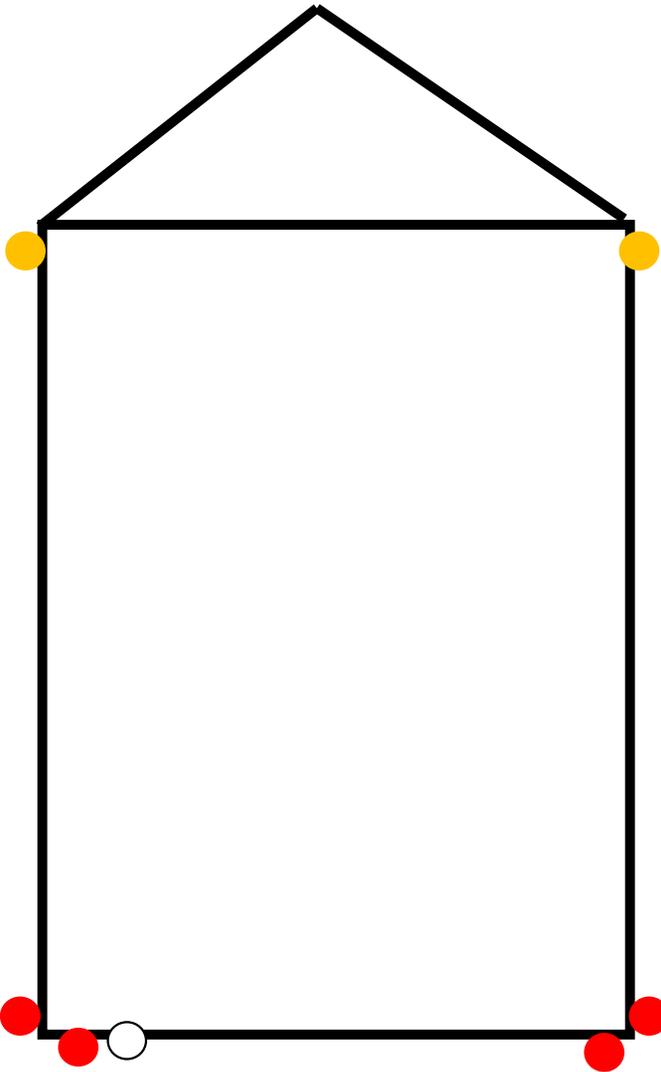
- Quantity: Continuous
- Color: Red/White
- Location: On the rear  
Full width of vehicle  
Facing REARWARD



Red side of tape should be facing  
the ends

All Trailers

Front Side Markers & Reflectors



Rear Side Markers & Reflectors

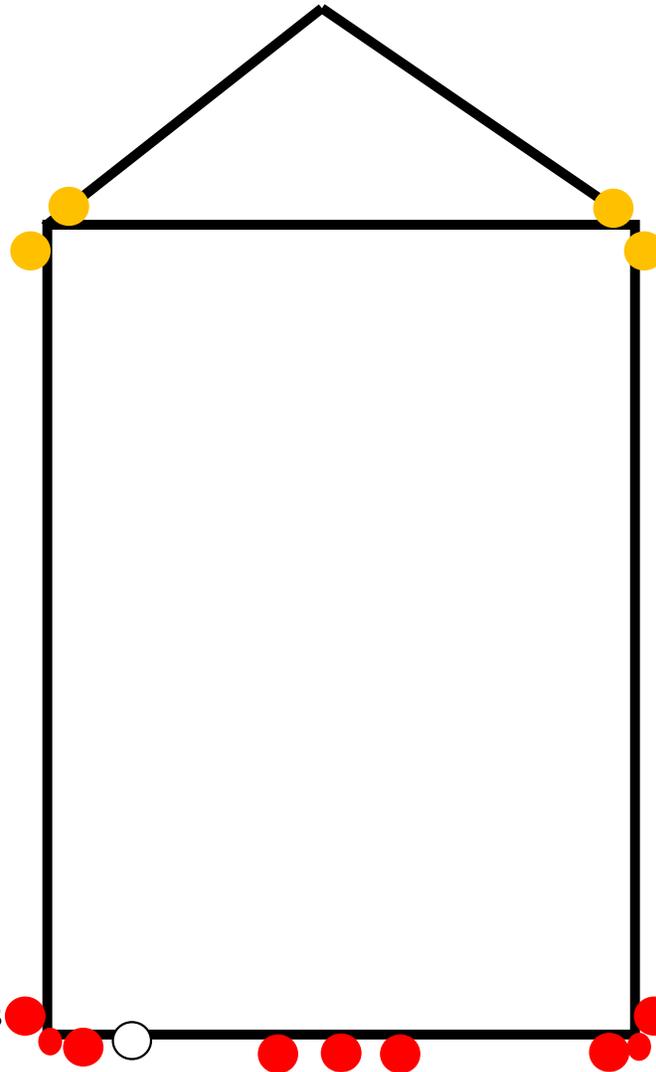
License Plate Light

Tail, Stop, Turn Lamps & Reflectors

80" or Wider

Front Facing Marker (80" or Wider)

Front Side Markers & Reflectors

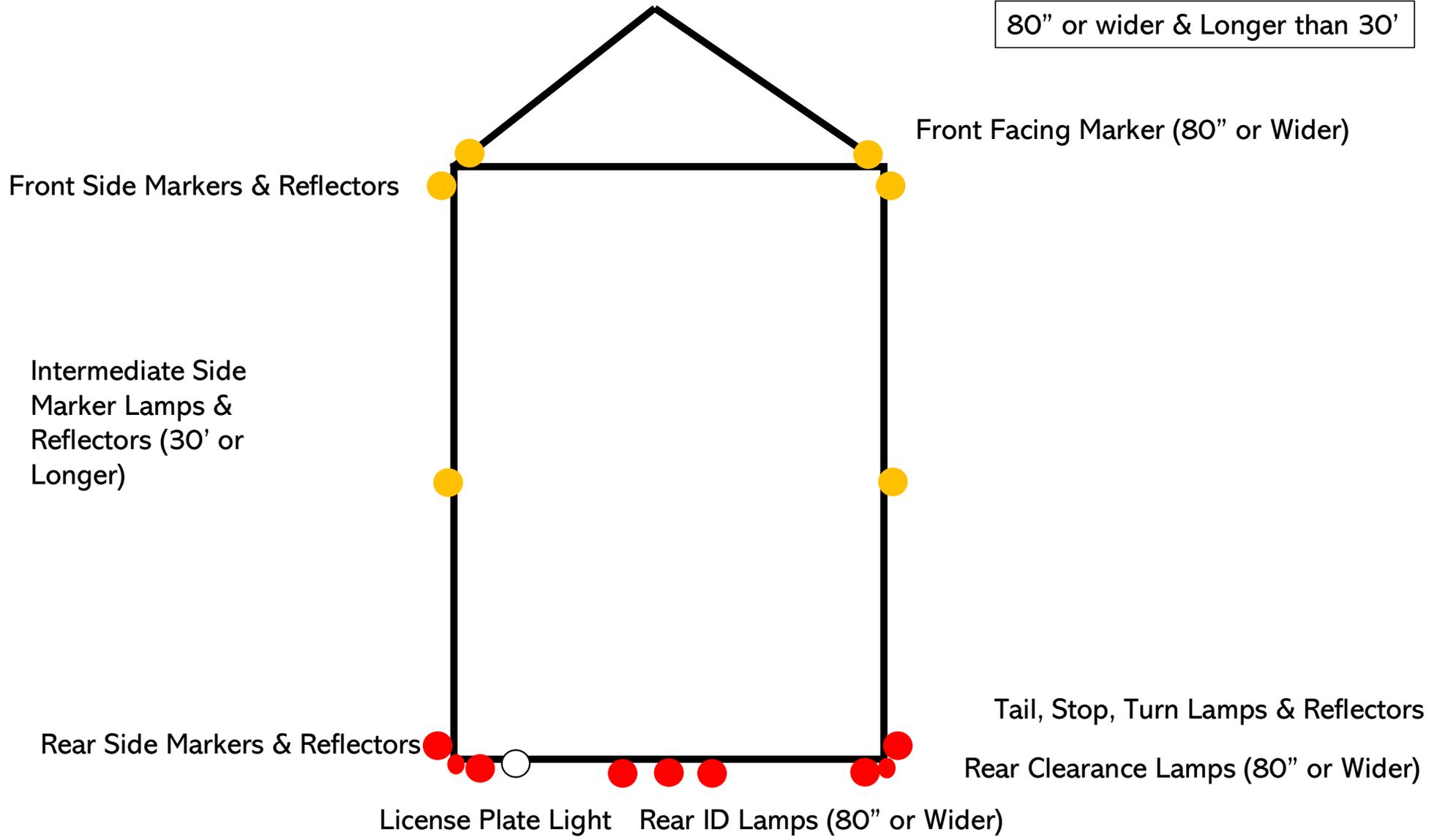


Rear Side Markers & Reflectors

License Plate Light    Rear ID Lamps (80" or Wider)

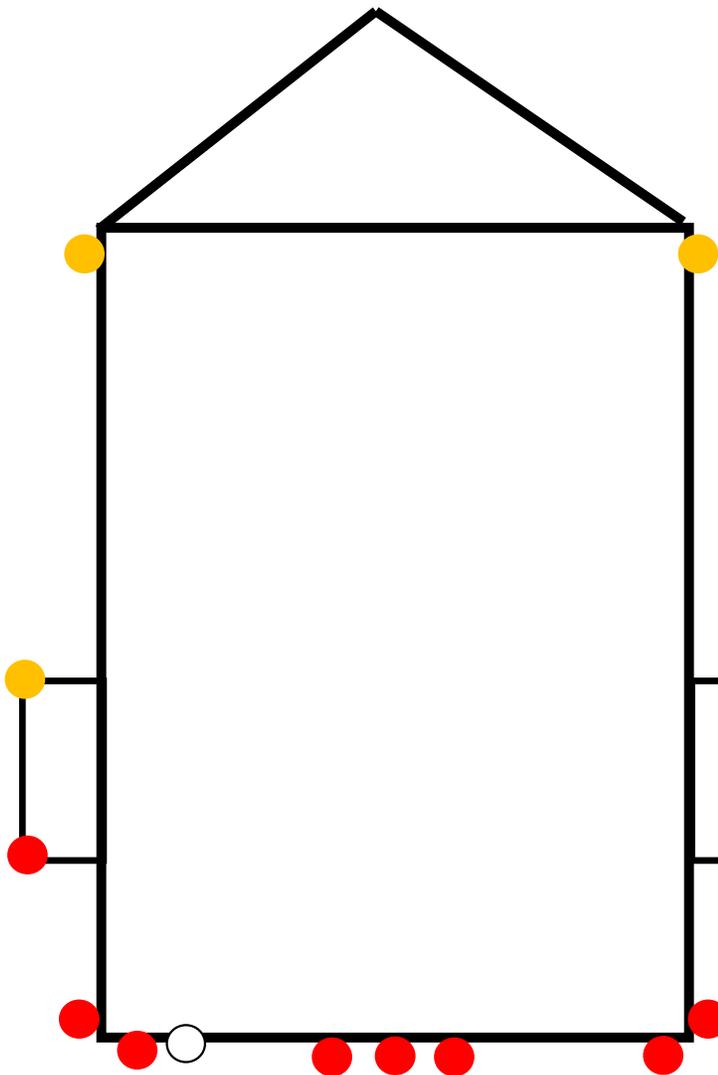
Tail, Stop, Turn Lamps & Reflectors  
Rear Clearance Lamps (80" or Wider)

80" or wider & Longer than 30'



80" or wider  
with fenders

Front Side Markers & Reflectors



Front Facing Marker (80" or Wider)  
FACING FORWARD

Rear Clearance Lamps (80" or  
Wider)  
FACING REARWARDS

Tail, Stop, Turn Lamps & Reflectors

Rear Side Markers & Reflectors

License Plate Light    Rear ID Lamps (80" or Wider)

# Resources:

Federal Motor Carrier Safety Administration, DOT 49 CFR Ch. III

Title 49 Transportation

Parts 300-399

§ 393.11 Lamps and reflective devices

§ 393.13 Retroreflective sheeting and reflex reflectors