

## **National Dirt Racing Association (NDRA) Touring Series Rules: (Updated 7/12/2010)**

The Rules and Procedures included in this rulebook do not express nor guarantee any warranty of safety. They are intended as a guide for National Dirt Racing Association (NDRA) events and do not guarantee anyone involved against injury. NDRA Series rules may not be the same as weekly rules.

- 1) Each member track has their own rules on fuel, tires, radios, etc. Only Goodyear G-45 and G-50 tires are permitted. You must follow track rules @ weekly races.
- 2) The Rules and Procedures here in will apply to all NDRA events. Series officials reserve the right to delete, change, or amend rules in the interest of competition.
- 3) Series officials will have full authority at all NDRA events and in the event of any dispute, Series Officials' decisions will be final.
- 4) Once cars are entered into an event all cars are subject to technical inspection by series officials at any time during NDRA events.
- 5) The National Dirt Racing Association (NDRA) is not responsible for payment of purses at series events. However, in the event of any problem with purse payment, the NDRA management will attempt to resolve such issues on behalf of the series drivers and teams.
- 6) Once entered enter an event any driver switching to a back-up car or using a substitute driver will cause the car/driver to start in the rear of the appropriate Consolation Race or Feature Event, where applicable.
- 7) All drivers/teams competing for Championship Points on the NDRA must carry appropriate decals clearly visible on their racecar. Series Officials will advise teams as to the location of each required decal. Additional decals pertaining to contingency award programs must be clearly displayed if the driver/team desires to receive each respective contingency award.
- 8) Series Officials will announce in the Driver's Meeting the number of finishing cars required to report to the scales at the conclusion of Consolation Races.
- 9) No one except Series Officials are allowed to touch or approach a racecar at the conclusion of Consolation Races or Feature Events until the cars required to go to the scales have been through Post-Race inspection and approved as an Official Finisher in the event. Drivers and teams are ultimately responsible to insure compliance of this rule. A maximum of three (3) team members are allowed with the racecar at the scale area and in any Post Race inspection process.
- 10) At the conclusion of each Feature Event on the NDRA, the Top-5 finishers will report to scales.
- 11) Tires and fuel will be available at the track.
- 12) Duplicate numbers may be changed at the discretion of officials.
- 13) Only officials may remove sheet metal or other materials from cars on tracks.
- 14) At the discretion of series officials, any car may be sent to the pits for necessary repairs.
- 15) At no time will a crew member be allowed to work on any car while the car is on the race track. If a team member is found making any repairs on the track, the car will be penalized.
- 16) No crew members allowed onto the track at any time, for any reason.

- 17) No driver will be allowed to set foot on the race track at any time except when authorized to do so by series officials or in an emergency situation. Any driver not abiding by this rule will have their score card immediately pulled from the race in which they are competing and possibly removed from further competition depending upon circumstances and Series Officials' decision.
- 18) No mirrors allowed on racecars.
- 19) No radio communications allowed in or on race cars at any time.
- 20) Drivers will be required to have racecars equipped with a Raceceiver transmitter in order to receive communications from Race Director and Officials.
- 21) All drive shafts must be visible to the naked eye: (NOT black or brown). White or aluminum preferred.
- 22) All cars must have tech sticker on car before it will be allowed to compete.
- 23) All attached lead weights MUST be painted (white or silver) & have Car # & Driver's Name on weight.
- 24) Fuel: Gasoline, Racing Fuel, and E-85 Ethanol ONLY. No Alcohol or nitrous additives permitted. Individual tracks hold the right to enforce their own fuel rule. The NDRA and its member tracks reserve the right to check fuel at any given time. The penalties for fuel deemed to be illegal, in addition to loss of points and monies for the event, are:  
  
1<sup>st</sup> offense: \$1000 fine and 90 day suspension from competition at any NDRA sanctioned tracks  
  
2<sup>nd</sup> offense: \$1500 fine and 365 day suspension from competition at any NDRA sanctioned tracks
- 25) Master disconnect switch behind driver seat on top of interior is strongly recommended.
- 26) Tow hooks are mandatory.
- 27) Points go to the driver not the car. 2009 NDRA car Specifications: It is the intent of the National Dirt Racing Association to have rules that are consistent with other GM Performance Late Model sanctioning bodies. With that in mind, these rules may be amended from time to time.
- 28) The NDRA reserves the right to confiscate any item(s) it deems to be illegal at any given time
- 29) Inappropriate conduct by the driver, car owner, crew, and/or anyone associated with the team will be reviewed by NDRA series offices and addressed on an individual basis for potential fines and/or suspensions.

**Eligible Models: Weekly & Touring:**

(A) This division is limited to 2002 to 2009 American manufactured stock car bodies, including Chevrolet Monte Carlo; Ford Taurus; Ford Fusion; Pontiac Grand Prix; Pontiac GTO; Dodge Intrepid; Dodge Charger.

(B) Cars should have type of body style displayed on car with three-inch (3") minimum letters.  
EXAMPLES: Monte Carlo, Taurus, Grand Prix, Intrepid

## **BODY RULES (See diagrams below)**

- (A) Nosepiece and roof must match body style of car.
- (B) All cars must have a minimum of one and one half inch (1 ½") roll at top of fenders, doors, and quarters. Sharp edges not permitted. Body roll must go from sides over upper body.
- (C) Floorboards & firewall must cover driver's area & be constructed to provide maximum safety.
- (D) Driver's seat must remain in the same general area as the general design of the car.
- (E) Windshield screen or bars are mandatory. (F) Neatly painted numbers at least eighteen inches (18") high are REQUIRED on each side of the car and roof.
- (G) Neatly painted number at least six inches (6") high is recommended on the fuel cell in a highly visible position.
- (H) NO fins or raised lips of any kind permitted anywhere along the entire length of the car.
- (I) Bodyline must be a smooth even line from front to rear.
- (J) NO "Slope nose" or "Wedge" cars permitted.
- (K) No Belly Pans or type of enclosure on bottom is allowed. Skid plate guarding oil pan allowed.
- (L) Stock nosepieces plus roof and roof supports must match. EXAMPLE: Monte Carlo-Monte Carlo, Grand Prix-Grand Prix, etc. 50 pound weight penalty will be assessed for non-compliance.
- (M) Competitors with 602 Engines may use side blades of up to 12" while retaining an 8" spoiler

### **Stock Nosepieces:**

- (A) Must be made of molded type material.
- (B) Two (2) piece nose must be fastened together in center. No spacers to gain width permitted.
- (C) Must be mounted so as not to alter original shape.
- (D) No material can be removed from nosepiece. No cutting from bottom, top, or sides.
- (E) Stock nosepiece can extend a maximum of 52" from center of front hub to farthest point extending forward.
- (F) Front fender flares must be made of plastic and cannot alter original shape of nosepiece. Front fender flares cannot extend beyond front tire track width with wheels pointed straight. Front fender flares must have collapsible support.
- (G) Fender flares may not extend more than 2" higher than front fenders at their tallest point. Front fenders and hood must be level from right side to left side of car.

### **Roof and Roof Supports:**

- (A) Roof may be 50" wide x 51" in length
- (B) Front roof supports may be 2" wide maximum (See diagram for measurements)
- (C) 45" inch minimum height from ground at lowest point on roof. 46.5" maximum to ground from lowest point on roof.
- (D) MUST be mounted parallel to body and near center of car.
- (E) A maximum one-inch (1") roll, turned downward, is permitted along the front edge of the roof. A maximum one-inch (1") roll, turned downward, is permitted along the rear edge of the roof. (Roll permitted to help strengthen roof). (F) No flat or odd shaped roofs permitted.
- (G) All roof side panels must extend to edge of body and be flat. Roof side panel window size must match dimensions in drawings. Both sides must be the same, if the left side has window opening the right side must match. Lexan or any other transparent material is legal as is decal packages that are made to resemble windows.
- (H) A maximum of two and a half (2 ½) bow will be permitted.
- (I) A maximum of three inch arch from top of roof panel to point where roof panel meets body line
- (J) Any sun shields, four-inch maximum, must be able to hinge for easy exiting of car.
- (K) Front roof supports permitted to be no more or no less than two- inches wide. (See roof and roof support sheets for all measurements.)

### **Front Fenders and Hood:**

- (A) Must be level & flat from left to right side of car. No concaving to gain aerodynamic advantage
- (B) Fenders not permitted to gain height from rear to front of car. No part of fender or hood can be outside of the body line.

**Doors:**

- (A) At no point can door sides break in towards center of car.

**Quarter Panels:**

- (A) Tire clearance from body must be a minimum of two-inches (2").
- (B) At no point can quarter panel sides break in towards center of the car.

**Spoilers:**

- (A) Rear spoiler must be manufactured of material of adequate strength such as Lexan or Aluminum.
- (B) Rear spoiler maximum dimensions: 8" x72"
- (C) Rear spoiler is not permitted to be suspended above the deck to create a "Wing" effect.
- (D) Rear spoiler must begin where quarter panels end. No extended decks permitted.
- (E) See NDRA. sheet for side spoilers. (3 permitted)

**Frames:**

- (A) No aluminum frames or front clips permitted in construction of car.
- (B) Wheelbase: 103" minimum, 104" maximum.
- (C) Maximum rear tread width: 88 inches, measured sidewall to sidewall. Front may measure a maximum of 90 inches sidewall to sidewall to allow for caster and camber.
- (D) Rectangular or square tubing in frame: The frame of all cars may be constructed of two-inch by two-inch minimum rectangular or square tubing with a minimum of eighty-three thousandths inch (.083") wall thickness. Round tubing in frame: The frame of all cars may be constructed of a minimum of one and three-quarter inch (1 3/4") round tubing and must have a wall of thickness of eighty-three thousandths inch (.083") minimum. All tube frame cars must use 4130 Chrome Moly Steel in construction of frame.
- (E) If rear bumper is stubbed, it may only extend a maximum of eight (8") inches beyond the frame. Any stubbed rear bumper that extends eight inches (8") or more beyond the frame must be rounded and directed towards the front of car eight-inches.

**Roll Cages:**

- (A) Cars must have a suitable steel roll cage in driver's compartment including headrest.
- (B) Side roll bars are mandatory and must extend into the door panels.
- (C) A minimum of three bars must be used on the left side of the car. Each bar must be a minimum of one and one-half inch in diameter with a minimum thickness of eighty-three thousandths inch (.083").
- (D) Roll cage must be welded to the frame.
- (E) Roll cage must be above the driver's helmet.
- (F) No "Fin-shaped" or "foil-shaped" add-ons permitted on any part of the roll cage. The entire roll cage must be constructed of round tubing only.

**Interiors:**

- (A) Interior is permitted to be dropped to the middle of the car a maximum of four (4") inches below the top of the doors and a minimum of eleven (11") inches below the roll cage.
- (B) Interior must be fastened flush at the top of the door and quarter panels and may taper gradually towards the center of the car not creating a "Lip effect". Minimum of eight-inch taper, maximum three inch drop extending from firewall to rear of door pieces in a continuous line.
- (C) Interior must run in a straight line from behind the driver's seat to the rear spoiler.
- (D) If interior is flat through the car, it must maintain an eleven (11") inch clearance from roll cage for easy exiting from either side of the car.

## **ENGINE, FUEL SYSTEM, TRANSMISSION RULES**

### **Engines and Weight: Weekly and Touring:**

- (A) General Motors (GM) 88968602 engine 2,250 lbs.
- (B) General Motors (GM) 88958604 engine 2,400 lbs.
- (C) All engines and parts must be as from factory. All crate engines must remain stock as they came sealed from the factory. Crate engines may not be altered, modified or changed from factory specs. No changes are allowed in or on the engine. NDRA will honor other racing series seals or bolts.
- (D) Engine serial number must be clearly visible to NDRA technical inspectors.
- (F) Any violation of the engine rules and or factory specs inside the sealing bolts of the engine will result in the driver being disqualified from that event and suspend from the National Dirt Racing Association for 365 days. If any driver refuses to tear down his engine in post race inspection he/she will be suspended from NDRA for 365 days. The driver will also be forced to pay a \$1,500 fine to National Dirt Racing Association.
- (G) One four-barrel carburetor of any manufacturer 750 cfm maximum (1" 11/16 bore diameter maximum on base plate) 1" maximum (no greater tolerance) - carburetor spacer with two standard paper gaskets (max. 0.070 thick), one gasket between the intake and one gasket to the carburetor. – 602 2" maximum (not greater tolerance) carburetor spacer.- carburetor spacer with two standard paper gaskets (max. 0.070 thick), one gasket between the intake and one gasket to the carburetor. Spacer may not protrude into intake manifold at any point.
- (H) Fuel injection not allowed.
- (I) All engine specifications and tolerances will be enforced per the GM Performance technical manual and supplement pages.
- (J) RM Bolt Engines will not be accepted after April 23<sup>rd</sup>, 2010

### **Fuel Systems:**

- (A) A firewall must be installed between the fuel tank and driver's compartment.
- (B) ALL fuel cells must be completely visible from rear of car. Fuel cell cannot be mounted lower than bottom of quick- change rear-end.
- (C) No pressurized fuel systems permitted.
- (D) Gasoline only.

### **Transmission, Clutch, and Rear- End:**

- (A) Drive train must have transmission mounted on the rear of the engine and lead to one drive shaft. No direct drive or in-out boxes permitted.
- (B) Any transmission with working forward and reverse gears is permitted.
- (C) Manual transmission must be equipped with an operational clutch.
- (D) Automatic transmissions are permitted.
- (E) No "Live-axle" rear-ends are permitted.
- (F) No independent rear suspensions are permitted.
- (G) Floater "wide-five" hub assembly only is permitted.
- (H) All rear-ends using a cable to lock-in the rear end must have the cable mounted outside of the cockpit area and not in reach of the driver.

## **WHEELS, BRAKES & CONTROL DEVICES**

### **Wheels:**

- (A) All wheels must be steel or aluminum.
- (B) Wheels must be mounted with lug nuts. No “knock-off” mounting devices permitted.
- (C) Maximum wheel width: 14”.

### **Brakes:**

- (A) Must be equipped with operational four-wheel braking systems.

### **Remote Controlled Suspension Devices:**

- (A) No “in-cockpit driver controlled” suspension devices permitted. No weight jacks of any kind permitted. (This includes fifth coils, etc.). Any driver using “in-cockpit driver controlled” suspension devices or weight jacks will be disqualified.

### **Traction Control Devices:**

- (A) All Traction Control Devices are strictly prohibited during any form of a National Dirt Racing Series event, race, practice, or test session.
- (B) All traction control devices (whether electronically controlled in the ignition system, wheel sensors, or any means of measuring ground speed to control wheel spin) are strictly prohibited. All devices not mentioned in the above that are found to control wheel spin, timing or fuel delivery control will be considered strictly prohibited.
- (C) At NO time during the season will there be any type of ping control devices, dial a chip controls, timing controls or any modifications to the ignition control boxes, distributors, or any other part of the ignition system. This includes any add on component or components. There shall be NO driver controlled wheel spin, timing, or fuel delivery control devices in the cockpit area of any racecar.
- (D) A competitor found with any of the above mentioned will lose the complete device permanently and will be fined \$3,000 and lose all championship points earned to that point in the season. NOTE: A competitor may be asked for his electronic ignition at any time by the Director of Competition or the Technical Director to be sent for testing and inspection. Failure to hand over the electronic ignition will result in the holding of any purse monies won.

## **EXHAUST, SAFETY EQUIPMENT & WEIGHT RULES**

### **Exhaust:**

- (A) Exhaust is not permitted to be directed towards ground.
- (B) Exhaust must be parallel to the ground.
- (C) No tri-Y headers or merge collectors.
- (D) No 180 degree headers.
- (E) Mufflers are optional except when mandated by track.
- (F) All header tubes must merge into one collector.

### **Safety Equipment:**

- (A) No batteries permitted in the driver's compartment.
- (B) All cars must have an approved fire extinguisher securely mounted within reach of the driver.  
NOTE: A five-pound halon system is recommended.
- (C) Nylon mesh window screens are strongly recommended.
- (D) Racing seats and seat belts with shoulder harness are required & must be securely fastened.
- (E) A driveshaft loop is required.
- (F) An approved racing helmet is required.
- (G) Fire resistant uniforms required. Fire resistant gloves, socks, & underwear recommended.
- (H) 18 gauge steel or 1 & 1/8 inch aluminum "cockpit tub" to protect all sides of driver suggested
- (I) Drive shaft and weight ballast must be painted white and have number of car painted on them.
- (J) Added weight or ballast must be securely fastened.

### **Weight:**

- (A) Minimum weight: 2400lbs including driver for 604 Engines & 2250lbs. for 602 Engines
- (B) Cast iron heads and block; Spec Engine; Sealed Crate Engines (GM-602 or GM-604)
- (C) Minimum weight must be maintained throughout qualifying.
- (D) 1 lb. per green flag lap burn off allowed after all races.

## **TIRE RULES**

- (A) Goodyear G-45 or G-50 tires only permitted.
- (B) No softening, grooving, or siping
- (C) Markings on sidewalls may not be modified. In the interest of competition, safety, or cost control, the NDRA may choose to amend the normal tire rule by eliminating/adding compounds
- (D) If any competitor's tires fail inspection, the competitor will be subject to penalties and/or disqualification. Additional fine(s), and/or suspension(s) may also be implemented at the discretion of the series.
- (E) Tires may be checked by officials & must meet minimum requirements on durometer (45 for G-45's and 50 for G-50's).
- (F) Top five finishers will be checked after main event.
- (G) NDRA may confiscate tires at any time. If tire(s) is determined to be legal it will be returned.
- (H) Competitor may be required to break down tire at post race tech for inspection.
- (I) Grinding discs/wheels that make grooves "sipes" in the tire will not be legal.
- (J) Tires will be checked by for treating/alteration and may be confiscated at any time.

## **PROTEST RULES**

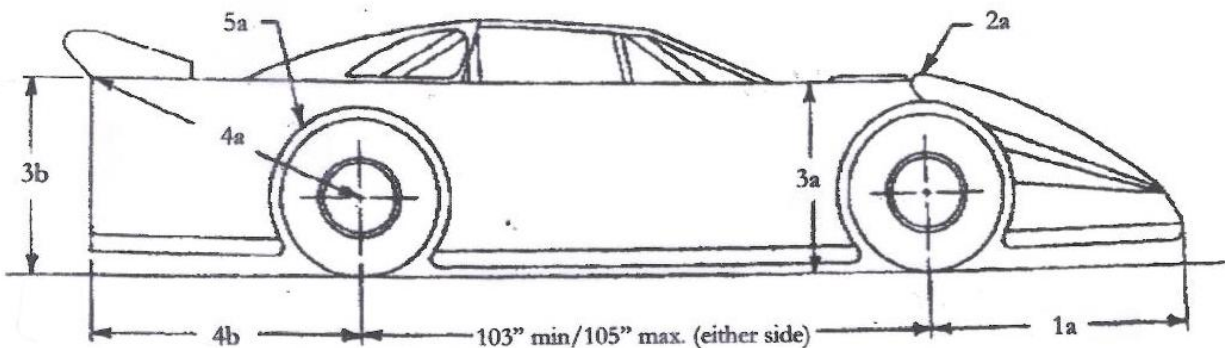
- 1). \$200 anything on outside the bolts. \$100 acceptance fee with \$100 going to track or series (3 items)
- 2). \$400 inside the bolts (top end). \$150 acceptance fee with \$150 going to track or series (3 items)
- 3). \$1,000 all the way through the engine (\$200 to go to track or series). This includes pulling the cam out of the engine. (Engine will be confiscated and taken to a series appointed certified NDRA rebuilder. NDRA and local track will set up a time to review/tech the engine. If it is a Friday night race the engine's serial number will be recorded & parties must have that engine at rebuilder.
- 4). You must finish directly behind the car you protest. No backwards protesting. You may protest multiple cars but they have to be in order. (3rd place can protest 2nd place & winner but not skip over 2<sup>nd</sup> place.)

## **CLAIM RULES**

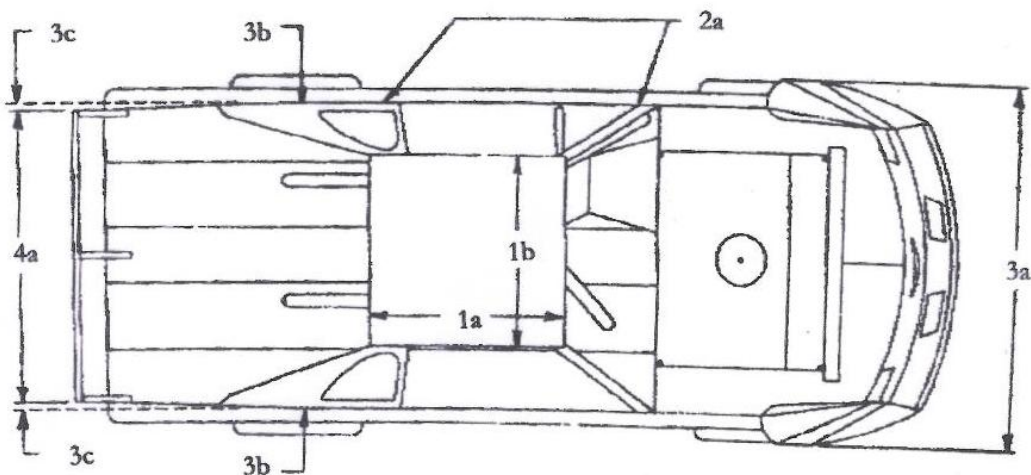
- (A) General Motors (GM) 88968602 engine: \$3600 (\$3500 to driver & \$100 to track)
- (B) General Motors (GM) 88958604 engine: \$5600 (\$5500 to driver & \$100 to track)

## 2010 Body Rules:

- 1a) Stock nosepiece can extend a maximum of fifty-three inches (53") from the center of the front hub to the farthest point forward with a 1" tolerance.
- 2a) Fender Flares may kick up 3" maximum.
- 3a) Doors cannot exceed thirty-seven inches (37") in height measured from the ground.
- 3b) Quarter Panels cannot exceed thirty-eight inches (38") in height measured from the ground with a 1" tolerance.
- 4a) Fifty-four inches (54") maximum from center of rear hub to top corner of quarter panel with a 1" tolerance.
- 4b) Forty-eight inches (48") maximum from center of rear hub to end of quarter panel with a 1" tolerance.
- 5a) Minimum of 1" tire clearance from body. No skirts will be permitted.



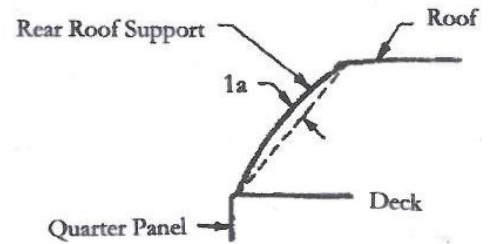
- 1a) Roof length must be a minimum of forty-four inches (44") to a maximum of fifty-four inches (54").
- 1b) Roof width must be a minimum of forty-eight inches (48") to a maximum of fifty-two inches (52").
- 2a) All roof side panels must extend to edge of decking.
- 3a) Doors cannot exceed seventy-six inches (76") in width across front of decking.
- 3b) The quarter panels cannot exceed seventy-six inches (76") in width at any point behind the center hub as measure at the top with a 1" tolerance.
- 3c) Rear decks must taper from seventy-six inches (76") as measured at the top over rear hubs, uniformly back to seventy-two inches (72") at the spoiler with a 1" tolerance.
- 4a) Maximum spoiler width seventy-two inches (72"). Maximum spoiler height eight inches (8")



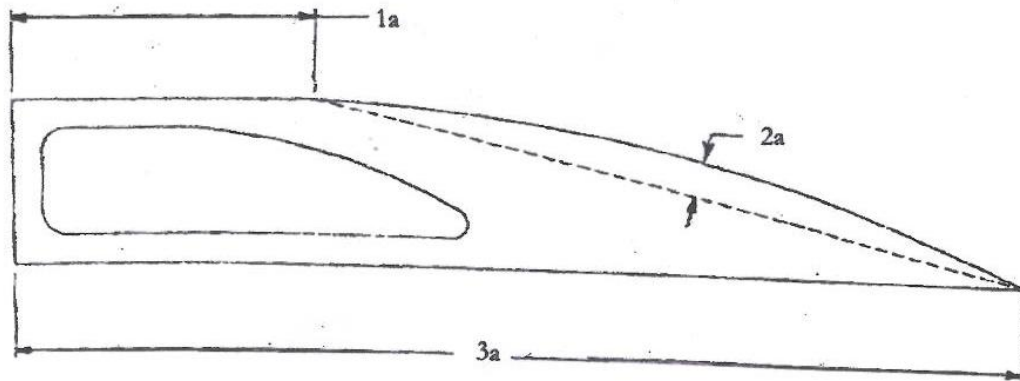
Rear Roof Supports:

- 1a) Maximum bow allowed is two and one half inches (2 1/2").

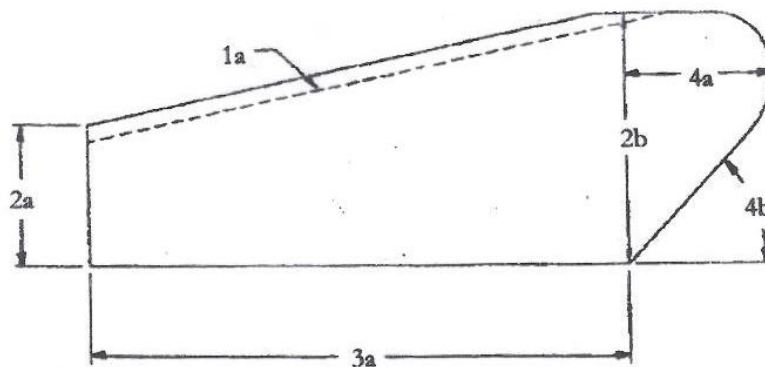
Rear View



- 1a) 17" Maximum from rear of roof to front of support  
 2a) 3" maximum at center with 1" tolerance. No break or rear edge.  
 3a) Roof support cannot exceed forty-three inches (43").



- 1a) Broken line indicates 1/2" maximum break allowed.  
 2a) Four and one half inches maximum (4 1/2")  
 2b) Eight inches maximum (8")  
 3a) Eighteen and one-half inches maximum (18 1/2")  
 4a) Five inches maximum (5")  
 4b) Forty-five degrees (45) from mounting surface.



No more than (3) Spoiler supports permitted. Front edge of supports must be in line.

