* Cargo to be loaded must include vehicles like four wheelers and snowmobiles as well as general cargo like being able to load boxes with a dolly.
* The ramp must be at least the width of the inside of the truck bed.
* It must meet a minimum load requirement.
* Variable width – to fit various truck beds
* Easy to deploy ramps
* Variable height – to operate on various terrain (uphill, downhill, etc)
* Ramps cant interfere with cargo capacity of truck
* Must be easily installed into the vehicle
* Must be safe to use when loading an atv for example
* Corrosion resistant
* Easy to replace worn components
* Must look good
* Long enough for shallow slope into truck – yet collapsible so it could store in truck bed/elsewhere easily
* Must be marketable to anyone owning a conventional truck
* Different than what’s already out there (patents)
* Must be affixed to the truck to prevent movement
* Doesn’t affect truck performance
* Easy and cheap to manufacture
* Should be able to store ramps with a full load of cargo.
* Must be designed with incorrect use in mind
* Surface of ramps should provide good traction
* Easily cleaned