Mitch Marlowe
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BACKGROUND OF MARQUETTE MOUNTS

- Adapt traditional car rack mounts to a truck
- Leave bed unobstructed
- Easier access than truck caps
- Safe storage
OUR PROJECT

- Focus on “Above the Bed Mounting”
- Design and Prototype working model
- Meet Customers Expectations
GOALS

- Simplicity of installation
  - Lightweight
  - Zero Tool Mounting
- Minimizing product costs
  - Manufacturing Costs
  - Material Costs
- Production worthy
DEVELOPMENT PROCESS

- Several meetings with Marquette Mounts over design
  - Appearance
  - Strength
  - Functionality
- Creating 3D models
- Running Strength Simulations
- Available Materials
OUR DESIGN

- Closer to the BedRail
- Simplicity of Installation
- Theft Proof
- Light Weight
- Ease of high quantity manufacturing
MANUFACTURING

- CNC Plasma Cut
- Welding
- Cutting
- Tapping
PROBLEMS ENCOUNTERED

- Available Aluminum Extrusions
- Warping after welding
- Thickness of paint
- Theft Proof
- Adjustability
FINISHED PRODUCT
QUESTIONS?