

The Structure of a Trailer is the Most Important Factor in Determining How Long it will Last, Cost to Maintain and Meeting Your Long-Term Needs.

INSIDE & OUT, THE QUALITY SPEAKS FOR ITSELF

TOP RAIL – Welded one piece gussets with 3/16" thickness adds structure to provide maximum nose strength.

DROP WALL – With a thickness of 3/16", our drop wall is the industry's heaviest. An engineered break on top and bottom adds strength and allows for a cleaner weld area to ensure against leakage.

REAR FRAME – The rear frame is supported by a 2 1/2" x 5" upper header up to a 1/4" thick. For added strength, the rear frame side post is integrated through the floor into the bottom rail. The side rear frame posts are machine cut to provide a clean, precise fit allowing for a stronger welded structure, resulting in better fitting doors, improved seals, and less noise.

ALUMINUM SIDEWALL CONSTRUCTION

– Elite engineers each trailer to produce the strongest side wall construction available. This provides our trailers with strength at critical structural points. Each trailer utilizes 6005 T6 aluminum alloy posts with 8" posts at the drop wall, 5" x 13/8" at doors and dividers, and 13/8" x 21/2" for all other side wall structure posts. The exterior, 6063 aluminum interlocking extruded slat is .125 in thickness. The joints for the interlocking slat allow for a weld surface of up to 3" on the side post. Elite's tongue and groove slat is designed to accept a smooth aluminum sheet, allowing for better seals, and reducing the chance of leakage. Selected for its excellent corrosive resistance, Elite's exterior smooth sheets are a 3004 aluminum alloy with a H291 temper and thickness of up to .063.

FLOORING – Elite's horse trailer floor structure consists of 4" I – Beams on 12" centers. The I – Beam is 4" in height with an upper 2 1/2" flange that is welded to the floor and a lower 3" flange that is welded to the bottom rail. Elite utilizes a 5052 marine grade sheet floor on top of the structure to provide longer lasting protection against corrosive factors such as horse or livestock urine. The seams and perimeter are welded out to add strength and ensure against leakage.

TOP RAIL – Elite uses a 5" radius rail with an overall height of 8" and a material thickness of 3/16". Integrated with a drip rail to help control streaking, and die lines that add to the look and also function as a guide for uniform placement of fasteners and lighting. Elite uses a continuous top rail piece on each side from the back to the front resulting in a stronger, more attractive structure than those who use multiple pieces. The top rail is sanded after production to provide a uniform look and smoothness.

ROOF CONSTRUCTION – The Elite roof is constructed with 1" x 21/2" posts that are strategically placed to ensure maximum strength based on the size and needs of the trailer. Posts are arched to keep water from standing on the roof, producing a taut roof sheet and allows for more head room in the center of the trailer. Elite's one piece roof sheet is made of 3003 H16 aluminum and at .040 thick is 25% thicker than the roof sheet used by most other manufacturers.

BOTTOM RAIL – With a height of 9 1/2", and a thickness of 3/16", Elite's bottom rail is one of the biggest in the industry. This engineered extrusion blends structural strength with an attractive appearance. The extrusion is built with an integrated lip that allows the running board to lock in place. Die lines add to the look and also function as a guide for uniform placement fasteners and lighting.




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