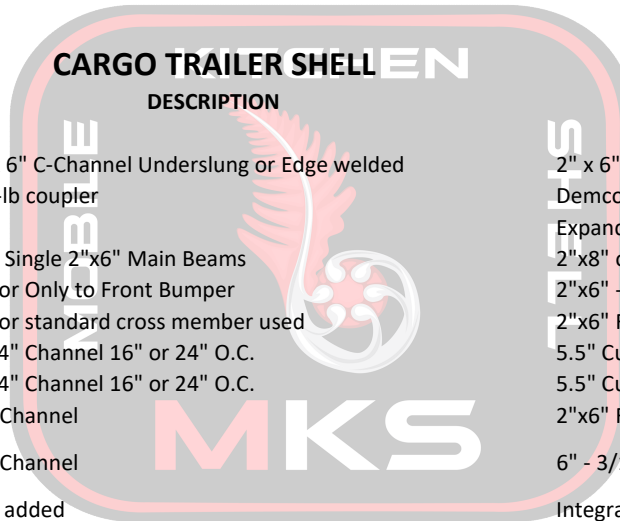


# HEAD TO HEAD COMPARISON



|    | <b>CARGO TRAILER SHELL EN</b> | <b>MOBILE KITCHEN SHELL</b>                            |
|----|-------------------------------|--------------------------------------------------------|
|    | <b>DESCRIPTION</b>            | <b>DESCRIPTION</b>                                     |
|    | <b>Base Chassis</b>           |                                                        |
| 1  | A-Frame                       | 2" x 4" or 2" x 6" C-Channel Underslung or Edge welded |
| 2  | A-Frame Coupler               | Base 12,000-lb coupler                                 |
| 3  | A-Frame Cover                 | None                                                   |
| 4  | Main Beams                    | 6" I-Beam or Single 2"x6" Main Beams                   |
| 5  | Center Beam                   | Not present or Only to Front Bumper                    |
| 6  | Frame Stiffener               | Not present or standard cross member used              |
| 7  | Cross Members                 | 2x1 Tube or 4" Channel 16" or 24" O.C.                 |
| 8  | Outriggers                    | 2x1 Tube or 4" Channel 16" or 24" O.C.                 |
| 9  | Front Bumper                  | 11-Guage U-Channel                                     |
| 10 | Rear Bumper                   | 11-Guage U-Channel                                     |
| 11 | Step                          | None can be added                                      |
| 12 | Axle Hangers                  | Standard                                               |
| 13 | Shackles and Bolts            | Standard                                               |
| 14 | Suspension                    | Standard Cast Iron Equalizer                           |
| 15 | Frame Offset                  | No Frame Offset                                        |
| 16 | Tires                         | Standard Bias with Minimal Upgrades Available          |
| 17 | Wheels                        | Standard Steel Wheels Minimal Upgrades                 |
| 18 | Axles                         | Standard 3500, 5200 & 7000-lb axles                    |
| 19 | Axle Type                     | Standard Spring and Torsion                            |
| 20 | Hub Assembly                  | Standard cup requiring packing                         |
| 21 | Brakes                        | One drum and one idler or two standard drum brakes     |
| 22 | Brake Wiring                  | 16 & 14 gauge with Scotch locks                        |
| 23 | Tongue Specialization         | None                                                   |
| 24 | Welding Standards             | None to basic                                          |
| 25 | Welding review                | Single pass and spot welding                           |
| 26 | Cutting and Alignment         | 1/4" plus not to square with large gaps or breaks      |
| 27 | Jack                          | Manual Jack                                            |
| 28 | 7-Way Plug                    | Standard plastic covered 7 Way                         |
| 29 | 7-Way Plug Protection         | None                                                   |
| 30 | Chains                        | Standard length and minimum thickness                  |
| 31 | Chain Placement               | Random No standard and some dangerous positions        |
| 32 | Breakaway Kit                 | cheapest available                                     |
| 33 | Breakaway Kit Switch          | Standard with cable                                    |

## HEAD TO HEAD COMPARISON

|    |                                   |                                                                     |                                                                                               |
|----|-----------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 34 | Wire for DOT lights               | 14 and 16 Gauge taped together                                      | 12 & 14 Gauge premium wire in wire loom and protected                                         |
| 35 | Wiring Harness                    | Butt splice open                                                    | Premium Waterproof box with ring connectors                                                   |
| 36 | Wiring connections                | scotch locks                                                        | Premium Waterproof butt connectors                                                            |
|    | <b>Base Box Frame</b>             |                                                                     |                                                                                               |
| 37 | Electric Chase Front to Back      | None                                                                | Patent Pending Roof Joist                                                                     |
| 38 | Electric Chase Side to Side       | None                                                                | Patent Pending Cross Joist                                                                    |
| 39 | Electric Chase Top to Bottom      | None                                                                | Patent Pending Wall Joist                                                                     |
| 40 | Motor Base Plug Frame Stabilizer  | None                                                                | Frame component built into frame design                                                       |
| 41 | Water Connection Frame Stabilizer | None                                                                | Frame component built into frame design                                                       |
| 42 | LP-Tank Rack Support Structure    | None                                                                | Frame component built into frame design                                                       |
| 43 | LP-Tank Support Structure         | None                                                                | Frame component built into frame design                                                       |
| 44 | Mechanical Wall Structure         | None                                                                | Frame component built into frame design                                                       |
| 45 | Sink Base Location                | None                                                                | Frame component built into frame design                                                       |
| 46 | Font Corners                      | Nonstructural front corner thin anodized trim                       | Full 11-Guage structural corner                                                               |
| 47 | Back Corners                      | Tube or Structural Corner                                           | Full 11-Guage structural corner                                                               |
| 48 | Front Wall Frame                  | 1x1 tube or hat channel                                             | 2x1 and 3x1 special design                                                                    |
| 49 | Back Wall Frame                   | 1x1 tube or hat channel                                             | 2x1 and 3x1 special design                                                                    |
| 50 | Side Wall Frame                   | 1x1 some 2x1 16 gauge tube or hat channel with angle                | 2x1 and 3x1 14-guage special design                                                           |
| 51 | Roof Frame                        | 1x1 some 2x1 16 gauge tube or hat channel with angle Not structural | Custom Ceiling Joists and roof panel completely structural                                    |
| 52 | Door Frame                        | Basic frame out                                                     | 3x1 header with 2x1 and 3x1 wall studs                                                        |
| 53 | Window Frame                      | Basic frame out                                                     | 3x1 header with 2x1 and 3x1 wall studs                                                        |
| 54 | Paint and Finish                  | cheapest paint possible                                             | Degreased, Fully Primed followed by Premium Paint                                             |
| 55 | Undercoat                         | None                                                                | Bottom Chassis and wheel wells                                                                |
| 56 | A/C Frame out                     | None                                                                | 2x1 frame out between Ceiling Joists with 1/8" sheet steel collar for stabilization           |
| 57 | Exhaust Frame out                 | 1x1 tube frame                                                      | 2x1 frame out between Ceiling Joists with 1/8" sheet steel collar for stabilization           |
| 58 | Makeup Air Frame out              | None                                                                | 2x1 frame out between Ceiling Joists with 1/8" sheet steel collar for stabilization           |
|    | <b>Box Finish out</b>             |                                                                     |                                                                                               |
| 59 | Exterior Panel Type               | 0.030 aluminum or worse yet Polycore                                | 0.040 and 0.050 aluminum panels                                                               |
| 60 | Exterior Metal Panels             | screwed or screwed and glued                                        | 3M Polyurethane Sealant 560 Black and 3M 4611 VHB Acrylic Foam Tape<br>45 mil 1" on all seams |
| 61 | Exterior Top Trim                 | Standard trim bent on corners with gaps and cuts                    | Black powder coated with mitered cuts                                                         |
| 62 | Exterior Bottom Trim              | Standard trim bent on corners with gaps and cuts                    | Black powder coated with mitered cuts                                                         |
| 63 | Exterior Corner Trim              | Colored sheet metal bent                                            | Black Diamond Plate set with J-Rail                                                           |
| 64 | Front Stone Guard                 | Small 18-24" stone guard                                            | Full Sheet of Black Diamond Plate set with J-Rail                                             |
| 65 | Roofing Access                    | Not Structural Not a walk on roof                                   | Full Walk on Roof                                                                             |
| 66 | Roof Finish                       | Galvalume Roof                                                      | Single Solid Sheet Aluminum                                                                   |
| 67 | Roof Waterproofing                | Basic Self Leveling Caulk                                           | Eternabond 3" tape with 10-yr limited warranty                                                |



## HEAD TO HEAD COMPARISON

|                          |                              |                                                              |                                                                              |
|--------------------------|------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------|
| 68                       | Sub Flooring                 | standard wood                                                | Aquaplas or Nudo Floor                                                       |
| 69                       | Sub Flooring Protection      | None                                                         | HDPE covering between chassis and floor boards                               |
| 70                       | Flooring                     | Typical Vinyl Flooring                                       | Eco-Grip Flooring 10-yr limited warranty                                     |
| 71                       | Wall Base                    | 3/8" plywood                                                 | 1/2" Paktite / Aquaply or Nudo                                               |
| 72                       | Ceiling Base                 | None                                                         | 1/2" Paktite / Aquaply or Nudo                                               |
| 73                       | Roof Base                    | 1/4" Luan panel Not Structural                               | 1/2" Paktite / Aquaply or Nudo                                               |
| 74                       | Wall Finish                  | None                                                         | 0.030 White Aluminum Panels                                                  |
| 75                       | Ceiling Finish               | None                                                         | 0.030 White Aluminum Panels                                                  |
| 76                       | Doors                        | Single Basic Door                                            | Two Doors to meet Fire Code                                                  |
| 77                       | Windows                      | Typical single window with not glass or screen               | Full glass and screen Concession window from Challenger                      |
| 78                       | Interior Trim                | Bent sheet metal or none                                     | Fabricated color trim package and 1.5" angle                                 |
| 79                       | Wall To Ceiling Trim         | Bent Sheet Metal or Angle                                    | Fabricated sliding color matched tray to provide access to 12-V Dot lighting |
| 80                       | Wall to Ceiling Venting      | None                                                         | Patent Pending Trim Trey Vent                                                |
| 81                       | Side Wall Venting            | None                                                         | Wall Vents for Refrigeration Equipment                                       |
| 82                       | DOT Lighting                 | Basic Minimal with many not DOT compliant                    | Full DOT compliant with high end fixtures                                    |
| 83                       | Conspicuity Tape             | None or 1/2                                                  | Full length presentation                                                     |
| 84                       | License Plate Frame          | Basic typically not in an appropriate location               | Appropriate selection with light                                             |
| 85                       | Concession Lights            | None                                                         | At windows and doors                                                         |
| 86                       | 12-V Access after finish out | No                                                           | Yes through sliding trim tray                                                |
| <b>Electrical System</b> |                              |                                                              |                                                                              |
| 87                       | High Voltage System Install  | No accomodation is made for its installation                 | Built in Patent Pending Components for safe installation                     |
| 88                       | Motor Base Plug              | Sometimes either a 30-Amp or 50-Amp                          | 50-AMP 240 V Motor Base Plug                                                 |
| 89                       | Base Wiring                  | Most of the time the shoreline is installed into the panel   | 6/3 Main Wire from Motor Base Plug to Panel                                  |
| 90                       | Automatic Transfer Switch    | No with no accomodation for one                              | 50-AMP 240 V Progressive Dynamics or accomodation is provided                |
| 91                       | Electric Panel               | Some type of Sub-Panel with no Main Breaker or an RV Style   | 100-AMP Siemens Main Breaker                                                 |
| 92                       | Electric Panel Location      | Front Wall Under or over sink with no protection not to code | Inside Mechanical wall with proper protection                                |
| 93                       | Shoreline                    | 25' typically direct wire to panel with hole in the floor    | 25' 90-degree shoreline for full length usage                                |
| 94                       | Breakers                     | None or standard 15 amp                                      | 20-AMP                                                                       |
| 95                       | Base Wiring                  | None or combinations of 14-gauge and 12-gauge                | 12 and 10 gauge wire                                                         |
| 96                       | Wiring protection            | No protection for wires                                      | Patent Pending Wire System with grommits fully protected                     |
| 97                       | Panel Wiring                 | Inster through large cutout holes no protection for wires    | Complete protection and to code installation                                 |
| 98                       | Outlets                      | Standard and as few as possible                              | 20-amp GFCI                                                                  |
| 99                       | Switches                     | Standard and as few as possible                              | 20-amp and 15-amp                                                            |
| 100                      | Generator Connection         | None                                                         | 6-guage wire with water proof box                                            |
| 101                      | 12-Volt System               | None or in combination with RV-Style Panel                   | Complete 12-v System built to NFPA 1192 Standards                            |
| 102                      | Access Door                  | None                                                         | Yes to 12v Converter and Fuse Block                                          |
| 103                      | 12-v Fuse Panel              | None                                                         | 10 or 12 slot fuse block                                                     |
| 104                      | 12-v Switch                  | Few and as cheap as possible                                 | High end Marine Rocker Switches in Blocks                                    |
| 105                      | Power Converter              | None                                                         | 55 or 100 amp PowerMax Power Converter                                       |
| 106                      | Fuses                        | None                                                         | Blade Style amperage set according to equipment                              |



## HEAD TO HEAD COMPARISON



|                      |                                   |                                                                                                                    |                                                                                         |
|----------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 107                  | Wiring                            | None                                                                                                               | All wiring follows ANSI and NFPA 1192 standards                                         |
| 108                  | Audio System Wiring               | None                                                                                                               | Wired But No Connection                                                                 |
| 109                  | Electric Awning Wiring            | None                                                                                                               | Wired But No Connection                                                                 |
| 110                  | LP-Gas Detector                   | None                                                                                                               | Yes in Mechanical Wall                                                                  |
| 111                  | CO2 Detector                      | None                                                                                                               | Yes in Mechanical Wall                                                                  |
| 112                  | Remote Start Generator Harness    | None                                                                                                               | Wired In ready for Install                                                              |
| <b>Water System</b>  |                                   |                                                                                                                    |                                                                                         |
| 113                  | Water Connection                  | City and gravity fill                                                                                              | City Fill and Gravity Fill                                                              |
| 114                  | Backflow preventor                | No upgrade                                                                                                         | In-Line from City Fill                                                                  |
| 114                  | Fresh Water Tank                  | 21-Gallon Standard                                                                                                 | 33-Gallon Standard NSF                                                                  |
| 115                  | Grey Water Tank                   | 40-50-Gallon Standard                                                                                              | 50-Gallon Underbelly Tank Low profile for protection                                    |
| 115                  | Grey Water Drain Line             | PVC hard Pipe                                                                                                      | PVC Hard Pipe with Rubber Boot to protect from Impacts                                  |
| 116                  | Tank Venting and Drains           | Hit or miss...may have some type or none                                                                           | Proper Venting and Drain Line connections with isolation valves                         |
| 116                  | Sink System Base                  | Wood base                                                                                                          | Built in Frame System for Sinks                                                         |
| 117                  | Sink System Cover                 | Wood is wrapped with Sheet Metal with one or more doors                                                            | Aluminum Removable Front with 3 access doors for full access                            |
| 117                  | Water lines                       | Some PEX and some CPVC almost never installed correctly                                                            | PEX Lines installed correctly and to code                                               |
| 118                  | Water Line Location               | Under and inside of the unit                                                                                       | All Wet lines are interior of the unit and protected                                    |
| 118                  | Faucet Connections                | Direct Pex typically under stress                                                                                  | 18" Stainless Steel braided lines connected to Isolation Valves                         |
| 119                  | Drain Lines                       | PVC only partially to code....lots of incorrect installs                                                           | PVC completely code compliant in all 50 states                                          |
| 119                  | Drain Line Vent                   | Typical Studor Vent                                                                                                | Properly Vented through the roof to code                                                |
| 120                  | P-Trap / Air Break                | Typical P-Trap Only                                                                                                | P-Trap with proper Air-Gap to code                                                      |
| 121                  | Water Pump Electric               | 120 volt standard                                                                                                  | 12-v and 120v setup                                                                     |
| 121                  | Water Pump                        | Standard RV style pump with 50% duty cycle                                                                         | Marine Grade pump with 100% duty cycle and accumulator tank                             |
| 122                  | Water Pump Connections            | Direct connect to Pex or CPVC Piping                                                                               | 18" Stainless Steel braided lines connected to Pex Pipe                                 |
| 122                  | Water Heater Electric             | If electric 4-6 Gallon Point of Use                                                                                | If Electric 8-10 Gallon Point of Use                                                    |
| 123                  | Water Heater LP-GAS               | Wall mounted Not UL listed to be on a moving platform                                                              | Airxcel Nautalis On Demand UL-Listed for mobile applications                            |
| 123                  | Water Heater Location             | Wall Mounted not protected                                                                                         | Inside the Mechanical wall protected and secure                                         |
| 124                  | Water Heater Connections          | Direct PEX or CPVC Connectins Not to code                                                                          | 18" Stainless Steel braided lines connected to Pex Pipe                                 |
| 124                  | Water Heater Gas Line Connections | Improper Residential Gas line                                                                                      | High Pressure Gas Line with individual LP-GAS Valve                                     |
| 125                  | Swapable Water Tanks              | Very difficult                                                                                                     | Setup to easily remove and re-install                                                   |
| 125                  | Swapable Water Heater             | Can be done but not easily                                                                                         | Easy swapout                                                                            |
| 126                  | Grease Trap Compatible            | NO                                                                                                                 | Frame setup to the proper height to allow for grease trap                               |
| 126                  | Double Tank Compatible            | NO                                                                                                                 | Yes upon request for double tanks.                                                      |
| 127                  | Tank Pad Heaters                  | NO                                                                                                                 | Yes standard on all water systems                                                       |
| 128                  | Heat Tape Compatable              | NO                                                                                                                 | Yes standard on all water systems                                                       |
| 128                  | Area for RV Furnace Install       | NO                                                                                                                 | Yes pre-planned location open and ready.                                                |
| <b>LP-GAS SYSTEM</b> |                                   |                                                                                                                    |                                                                                         |
| 129                  | Proper Tank Rack System           | Almost Never                                                                                                       | Proper Tank Rack System with lock                                                       |
|                      | Proper Tank Rack Location         | Random No standard and some dangerous positions including on the back of the trailer and up in the air on a V-Nose | Proper Tank Rack location based on full code compliance on the front tongue of the unit |
| 130                  |                                   |                                                                                                                    |                                                                                         |
| 131                  | Proper Tank Rack Venting          | Some but most don't have proper cover                                                                              | Proper venting to code                                                                  |

## HEAD TO HEAD COMPARISON

|     |                                         |                                                 |                                                               |
|-----|-----------------------------------------|-------------------------------------------------|---------------------------------------------------------------|
| 132 | Proper Tank Rack Safety Plackards       | None to basic                                   | All proper safety plackards are installed                     |
| 133 | Proper Regulator                        | Sometimes and typically mounted wrong           | Properly type and size regulator is provided                  |
| 134 | Proper Regulator Location               | Wrong to acceptable                             | Proper regulator location to code                             |
| 135 | Proper Regulator Cover                  | None                                            | Proper cover for regulator is provided                        |
| 136 | Proper Main Shut-off Valve              | Almost Never                                    | Proper LP-Gas line shut-off and lable is provided             |
| 137 | Proper High Pressure Lines              | Almost Never                                    | Proper High pressure flexible hoses are provided              |
| 138 | Proper LP-Gas Line Location             | Random No standard and some dangerous positions | Proper planned out gas line installation to code              |
| 139 | Union-Fittings for Gas Line Maintenance | Almost Never                                    | Union Fittings provided for proper maintenance                |
| 140 | Drip Legs                               | Almost Never                                    | Drip legs installed to code                                   |
| 141 | LP-GAS Line Pipe                        | Galvanized Pipe, Copper and Black Iron          | Black Iron Pipe painted                                       |
| 142 | LP-Gas Line installation                | Pipe is secured with strapping not to code      | LP-Lines are secured with proper pipe base and clamps to code |
| 143 | LP-Gas Line entering the unit           | Singular entry with manifold not to code        | Gas lines enter unit for each piece of equipment              |
| 144 | Proper Equipment Shut-Offs              | Random both correct and incorrect               | Proper LP-Gas line valves                                     |
| 145 | LP-Gas Line connection to Equipment     | typically residential gas lines not to code     | Proper NSF Gas Lines properly sized                           |

