

| Customer Need No. | Specification No. | Specification | Ideal | Margin | Units | Notes | Source |
|-------------------|-------------------|---|-----------|---------|--------------------|---|---|
| CN1 | S1 | Supports weight of person lying down. | 250 (122) | 217.2 | Lbs. (Kg) | 95th Percentile Body Mass 40-Year Old American Male | http://msis.jsc.nasa.gov/sections/section03.htm |
| CN1 | S2 | Supports stature of person lying down. | 77 | ≥ 75 | In. | 99th Percentile Stature 40-Year Old American Male + Safety Factor | http://msis.jsc.nasa.gov/sections/section03.htm |
| CN1 | S3 | Supports width of person lying down. | 29 | ≥ 22 | In. | 95th Percentile Shoulder Breadth 40-Year Old American Male + Safety Factor | http://msis.jsc.nasa.gov/sections/section03.htm |
| CN2, CN12 | S4 | Is stable for sleeping. | 30 | ≥ 22 | Friction Force (N) | Sliding friction, center of gravity for tipping, tendency to fold, etc. | |
| CN2, CN12 | S5 | Meets ergonomic back, neck & head support requirements. | | | | | |
| CN3 | S6 | Meets ergonomically appropriate height from floor. | 19 | ≥ 14 | In. | 99th Percentile Popliteal Height 40-Year Old American Male, 5th Percentile Female | http://msis.jsc.nasa.gov/sections/section03.htm |
| CN4 | S7 | Minimizes the amount of crevasses. | 0 | 0 | No. of Crevasses | None. | |
| CN4 | S8 | Minimizes the amount of dark spaces. | 0 | 0 | No. of Dark Spaces | None. | |
| CN4 | S9 | Minimizes the number of seams. | 0 | 0 | No. of Seams | None. | |
| CN4 | S10 | Quick bed bug inspection speed. | 60 | ≤ 90 | Seconds | All parts of the cot can be easily inspected for bed bugs | |
| CN4 | S11 | Allows bed bug elimination. | 0 | 0 | # of Bed Bugs | Wash/dry in in hot water, can be reached by alcohol, chemical sprays | |
| CN5 | S12 | Allows bacterial/viral elimination. | Yes | | Yes/No | Bleach or commercial disinfectant spray or laundering | |
| CN6 | S13 | Resists bodily fluid contamination. | 0 | 0 | No. of Stains | All parts waterproof, blood stain resistant | |
| CN7 | S14 | Allows regular cleaning. | 2000 | ≥ 1000 | No. of Washes | Machine wash/dry, spray on cleaners, wipe with cloth or paper towel | |
| CN7 | S15 | Allows reasonably quick cleaning. | 10 | ≤ 15 | Minutes | Doesn't include laundering of linens. | |
| CN8 | S16 | Allows several cots to be stored in the shelter room. | 12 | ≥ 12 | No. of Cots | | |
| CN9 | S17 | Is lightweight for suspending and lifting. | 10 | ≤ 15 | Lbs. (Kg) | | |
| CN10 | S18 | Allows reasonably quick storage. | 10 | ≤ 15 | Minutes | | |
| CN11 | S19 | Meets budget requirement. | ##### | ≤ \$200 | U.S. Dollars | | |
| CN13 | S20 | Does not have sharp edges | 0 | 0 | No. of Sharp Edges | | |
| CN14 | S21 | Stackable for Off-Season Storage | Yes | | Yes/No | | |

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