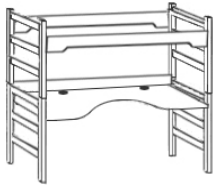




## DATA AND SPECIFICATIONS

### 950 Series High Loft Bunk Bed with Work Surface



**959 High Loft Bunk Bed With Work Surface**  
82"W x 38"D x 36/36"H

*ModuForm's High Loft Bunk Bed with Work Surface offers exceptional solid hardwood durability for space conscious areas with residential appearance. They are specifically designed for environments where comfort, security and safety are critical.*

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#### **Materials & Construction: Lumber:**

All lumber used as exposed members shall be minimum 3-4" thick solid yellow birch, plain sawn and edge glued with planks not less than 1" wide, nor greater than 5-1/2", and will be free of all defects detrimental to function and /or appearance. All lumber shall be kiln dried to a moisture level of 5-7%.

#### **Overall Size:**

Loft bed, when fully erected shall be 71-1/2" high, 38" wide, 82" long.

#### **Cross Rails and Fascias:**

Shall be minimum 3/4" thick, set in the vertical plane and shall be solid matched yellow birch. Rails shall be tenoned on each end and fully glued and pinned to posts. All edges shall be eased for safety and appearance.

Fascias shall be sculptured at bottom edge to provide maximum headroom and aesthetic value, and shall be attached to the spring by means of 1/4"-20 bolts which thread into embedded steel inserts in three places.

#### **Bed Posts:**

Shall be 2" thick by 2-1/2" wide and shall have machined recesses which allow the steel multi level insert plate to be attached flush with the face of the post. One edge of the post shall have mortises of sufficient depth and width to properly receive the tenons on the cross rails. Minimum three cross rails shall be used in each frame assembly. A 12 gauge steel insert plate shall be attached to each post by means of 15 screws which are fully countersunk so as to provide a pleasing appearance and sturdy assembly. Posts shall be drilled at each end for a steel stacking pin, 3/8" diameter. All corners and edges shall be eased with 1/8" radius for safety and appearance value.

#### **Steel Insert Plates:**

Each post shall have a steel insert plate for adjustable spring and deck heights. The plates shall have minimum 11 height variations. Each plate shall be 1-3/4" wide by 35-3/4" long and be 12 gauge cold rolled steel with enamel powder coat finish.

#### **Springs:**

Springs shall be sized so that the bed, when fully assembled will accommodate a mattress which is no larger than 36" x 78". There shall be minimum 15 rows of sinuous 9 ga. wire with ends hooked for attachment to side rails, with wire loops not exceeding 1" length. End helical springs shall be 12 ga. high carbon wire springs, tightly wound. Spring frames are unitized assemblies using solid steel rivets or wire welded construction, and have a high quality baked on powder coat finish. Hook plates shall be stamped from 7 ga. steel coil, 5-1/2" wide, with hooks to match the slots in the steel insert plates on each post. Frame is 5/32" high carbon angle iron. Two stabilizer rails are 1" diameter tubular steel joined to the frame with .187 rivets at each end. Corner braces are riveted at all four-corners, or as an alternate, are welded.

#### **Work Surface:**

A one piece work surface, with high pressure laminate top shall be provided. The work surface shall be minimum 1 3/16" thick, 35-3/4" wide, and 77-1/4" long. There shall be a sculptured cut-out front edge for ease of use and pleasing appearance. All edges shall be banded with 3mm pvc, in a matching wood grain pattern. All corners and edges shall have 1/8" radius for safety and appearance value. There shall be one steel support beam, minimum 60" long, by 13 gauge thick, with 1-1/2" wide flanges, beneath the center of the surface. Support beam is fastened by means of 5, 1/4-20 machine bolts into embedded steel inserts. All corners and edges shall be beveled for safety. A full length angle brace which hooks into each plate in the end frames shall support the rear of the deck, while two steel angle brackets shall support the front. The deck shall be attached to all steel support members by means of 1/4-20 machine bolts with low profile heads for safety. There shall be two plastic wire grommets, 2-1/2" diameter, in each work surface.

**Tackboard:**

A full width tackboard shall be provided with each work surface. The tackboard shall be constructed using 3/4" thick hardwood plywood and laminating 1-4" thick natural cork to the face. The top and ends of the tackboard shall have t-mold to finish the edges. The back of the tackboard shall be fully finished with UV cured resin finish. There shall be five steel insert nuts embedded for attachment to the steel supporting structure.

**Personal Shelf:**

Overall 7/8" x 7-1/4" x 12" shelf shall be provided. There shall be a 1/8" lip at the top of the shelf to retain contents of the shelf. A steel angle bracket shall be attached to the bottom of the shelf, along with a wooden support fascia, to suspend the shelf from the bed. The shelf shall be designed so that it can be suspended either from the bed frame, the fascia rail or the optional safety rail. There shall be a warning label attached to the front of the shelf to indicate that the shelf should not be utilized as a step.

**Hanging Bookshelf:**

Dimensions: 12" high, 13-3/8" deep, 37-1/4" wide. Sides shall be 3/4" thick solid yellow birch. Shelf and back shall be 3/4" thick hardwood core birch plywood with solid birch edgebanding, 3/8" thick at all exposed edges. All corners shall be eased with 1/8" fillet radius for safety and appearance value. Shelf and back shall be attached to end panels by means of three dowels each end, 3/8" diameter by 1-1/8" long, and steel to steel connecting cams (10 total). Bookshelf shall be held in place to the bed frames, at desired height, by means of two steel brackets, which are formed to securely attach to the embedded steel plates within each post.

**Safety Railing:**

An optional safety railing shall be provided which can be easily mounted to the bed spring. Mounting is by means of two bent steel brackets, which are formed such that they engage the angle iron of the spring and hold the railing firmly in place. The rail shall be of solid yellow birch construction and shall measure 3/4" thick, 17" high, and 48" wide. There shall be two cross rails double doweled to the vertical posts of the safety rail. All corners and edges shall be eased with 1/8" fillet radius for safety and appearance.

**Articulating Task Light:**

Task light shall have a 17" flexible arm and 13-watt fluorescent bulb, and shall be hooded for safety. An on-off rocker switch shall be provided. Light shall be easily movable to any location of the loft bed and securely held in place by means of a sturdy steel bracket in the embedded steel bed posts.

**Finish:**

All wood panel components receive three coats of Ultra-Violet (UV) cured resin. Mil thickness shall be no less than 1.250 mil thick. The result is a tough, easy to clean finish that offers protection from damage by heavy strength disinfectants and bleach-based cleaners used to discourage blood borne pathogens. **Passes:** Bell Adhesion Test, Adhesion Crosshatch Test, Hoffman Hardness Test, Cold Check Test, UV Light Exposure Test, Edge Shardwood Test, and Stain Test. **Wood Stains:** Refer to ModuForm's Stain Color Guide for options.

**GENERAL INFORMATION**

**Warranty:** ModuForm's standard warranty provides for repair or replacement due to defects in the material and workmanship for a period of five years. **Shipping:** All units shipped blanket wrapped, van loaded. Most units are shipped unassembled except for 959 platform beds. Handle hardware requires field assembly. Contact Customer Service, or your sales rep for more details on method of shipping and on carton charges for smaller orders. **Ordering Information:** See current Price List for prices and how to order. **DISCOUNTS AVAILABLE.** For assistance call our Customer Service Department toll-free at 800-221-6638, visit our website at [www.moduform.com](http://www.moduform.com) or call your local ModuForm Representative.

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