

MAXIMUM OVERHEAD LOFT STORAGE

THE VALLEY VAULT

High-volume gambrel roof barn engineered for maximum overhead storage, 48 sq ft timber loft platforms, 60-inch extra-wide double entry doors, and heavy equipment access.

FOOTPRINT & LOFT

**10'x12' (168 Sq Ft
Total)**

PEAK HEIGHT

**11' 6" High Barn
Peak**

ENTRY CLEARANCE

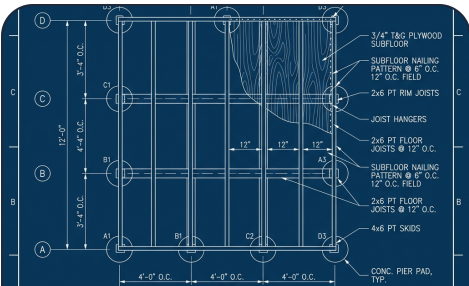
**60" Wide Double
Doors**

PERMIT REQUIREMENT

**Zero Permit (Under
120 Ground)**

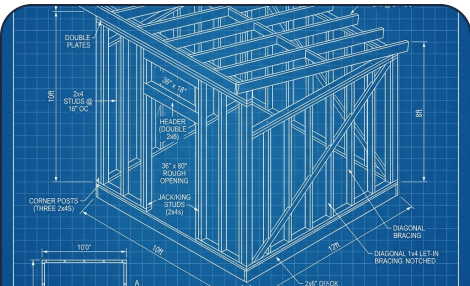
GAMBREL LOFT BLUEPRINT SCHEMATICS

Engineered for Riding Mowers, Workshop Gear & Dual Overhead Storage



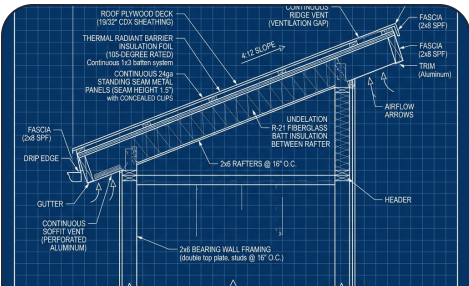
1. HEAVY PIER PAD GRID

Reinforced concrete pier pad base matrix with pressure-treated 4x4 skids. Supports heavy riding mowers and timber loft weight.



2. REINFORCED GAMBREL TRUSSES

High-capacity gambrel roof rafters with heavy steel gusset plates. Supports dual 4'x12' overhead loft platforms (500+ lbs capacity).



3. HEAT DEFENSE RIDGE VENT

11.5ft high gambrel barn peak featuring full-length ridge ventilation and dual gable louver vents to purge trapped heat.

DIMENSIONAL & CLEARANCE MATRIX

Exact physical measurements for equipment clearance and overhead volume

PARAMETER / PROFILE	DIMENSION / MEASUREMENT	ENGINEERING DETAIL & STANDARD
Ground Footprint	10' 0" Width x 12' 0" Depth	120 sq ft ground footprint (Zero permit required in Yuba City)
Overhead Loft Area	Dual 4' x 12' Timber Loft Decks	Adds 48 sq ft of elevated storage space (168 sq ft total usable area)
Roof Peak Height	11' 6" Gambrel Barn Peak	Maximum headroom allows comfortable standing under overhead lofts
Double Entry Doorway	60" Width x 80" Height	60–inch wide double doors accommodate riding mowers, ATVs & lawn tractors
Floor Deck Rating	3/4" T&G Subfloor @ 12" O.C.	High load capacity floor engineered for heavy machinery and generators
Siding Specification	Vertical Stained Western Red Cedar	Rot and insect resistant board & batten siding built for Sutter County clay
Heat Ventilation	105°F Thermal Radiant Barrier	Radiant foil sheathing reflects summer solar heat away from stored gear

COMMERCIAL GRADE MATERIALS SPECIFICATION

Heavy-duty structural timber, steel gusset loft trusses, and weather sealing

Component	Material Specification
1. Base & Substructure	
Foundation Piers	Concrete pier blocks set on leveled compacted aggregate bed
Skids & Runners	Pressure-Treated 4x4 runners (Ground Contact rated)
Floor Joists	2x6 Pressure-Treated floor joists @ 12" O.C.
Subflooring	3/4" Exterior-Grade Tongue & Groove Plywood deck
2. Framing & Loft Assembly	
Wall Studs	2x4 Kiln-Dried Premium SPF Studs @ 16" O.C.
Loft Joists	Heavy 2x6 Timber Loft Support Beams with Steel Brackets
Wall Siding	Western Red Cedar Board & Batten Siding w/ Weather Barrier
Double Entry Doors	60" W Cedar Double Doors w/ Black Iron Locking T-Hinges
3. Roof & Thermal Defense	
Trusses & Rafters	Gambrel Barn Trusses w/ Heavy Steel Gusset Plates
Roof Sheathing	7/16" OSB Sheathing w/ Radiant Barrier Foil
Shingles	30-Year Architectural Asphalt Shingles (Dark Charcoal)
Ventilation	Continuous ridge vent + dual louvered end wall vents

Gambrel Loft Highlights

- ✓

48 Sq Ft Overhead Loft Storage

Built-in dual 4'x12' elevated timber platforms create 40% more usable space without expanding floor footprint.
- ✓

60" Extra-Wide Double Doors

Wide entry doors allow effortless access for zero-turn mowers, lawn tractors, generators, and heavy tool chests.
- ✓

11' 6" High Barn Peak

Generous vertical clearance creates an open, spacious overhead environment for workshop equipment and ladders.
- ✓

105°F Thermal Defense Package

Radiant barrier foil sheathing and dual louver vents exhaust hot air out of high gambrel peak.

10X12 CUSTOM SHED MODEL CATALOG

All models built stick-by-stick on-site — no fence removal or crane needed



The Sutter Studio

Monoslope Roof Workspace

Slant roof profile with front transom windows. Ideal for quiet backyard office or art studio.

- 10' x 12' (120 Sq Ft)
- Monoslope Metal Roof
- Glass-Pane Cedar Door



The Sierra Heritage

18-Inch Overhang Craftsman

Timeless A-frame gable roof with 18" front eave, white shutter accents, and stained cedar siding.

- 10' x 12' (120 Sq Ft)
- 18" Extended Front Eave
- Vinyl Window w/ Shutters



The Valley Vault

Gambrel Roof Barn w/ Loft

Classic gambrel barn profile with 48 sq ft overhead loft storage and extra-wide double doors.

- 10' x 12' + 48 Sq Ft Loft
- 11' 6" Gambrel Peak
- 60" Double Timber Doors

READY TO BUILD YOUR VALLEY VAULT BARN?

100% Stick-Built On-Site in 1-2 Days • Zero Permit Required • Free On-Site Consultation

Call (530) 978-8081