

Reference for *** Revolutionize Your Woodworking Enjoyment, Part I ***

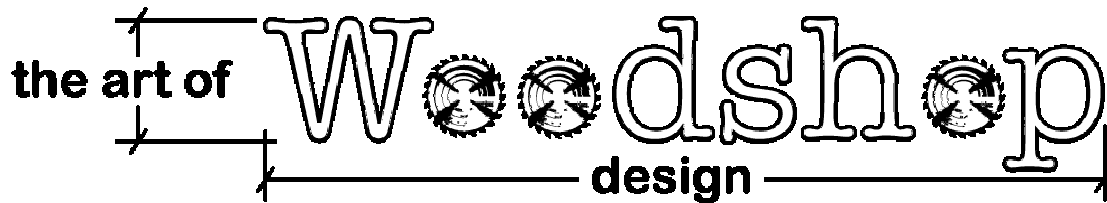
Woodshop Design

List of Drawings to Generate

Start generating the following drawings so you can visualize and record your design ideas to build from. Doing these in a computer makes it easier to continually refine as you learn and think of more.

Main Workshop Drawing Sheet Index

- ◆ Site & Landscape Plan
- ◆ Layout & Floor Plans *(The following plans should be separate but overlay them to avoid conflicts)*
 - Machine Station Layout *(Workflow, Outfeed/ Infeed zones)*
 - Dust Collection Plan *(include air filtration, dust collector, ductwork, shop vac location, floorsweep)*
 - Reflected Ceiling Plan *(Lighting locations and dust collection layout, piping, duct-drop locations)*
 - Finished Floor Plan *(Showing any under-floor utilities, tile or wood floor patterns)*



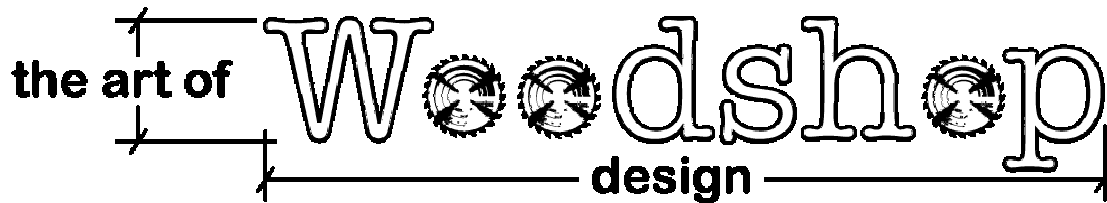
- Electrical Plan (*Outlet locations—15A, 20A, 120V, 220V, show switches and what they control, show individual circuits*)
- Lighting Plan (*Light fixture location, circuiting and zoning plan, light switches, occupancy sensors, emergency lights*)
- Fire & Safety Plan (*Fire extinguisher, carbon monoxide detector, first aid kit location, etc.*)
- HVAC and Plumbing Plan (*Heating & Cooling, water supply, sinks, compressed air lines*)

◆ Exterior Wall Elevations

- ExteriorSide Door View
- Garage Door View
- Other Wall Elevations in Your Shop

◆ Interior Wall Elevations (*Inside View*)

- Interior House Wall (*Demising Wall between house and shop*)
- Garage Door Interior View
- Side Door Interior View
- Remaining Interior Wall Views

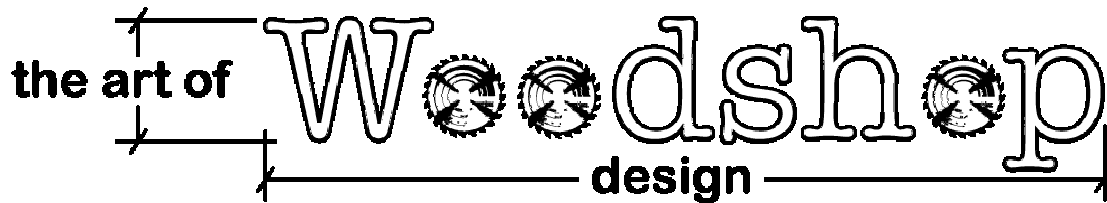


◆ Envelope Section Views

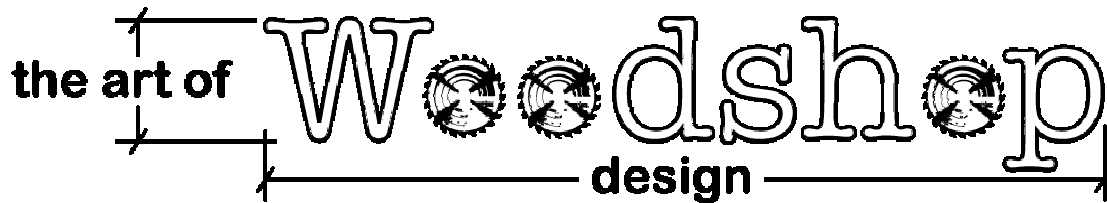
- General Plan East-West Section of Shop
- General Plan North-South Section of Shop

◆ Detailed Sections (*View of Wall and Roof Layers*)

- Exterior Wall Section View (*Show insulation, sheathing, structural features, sound proofing features*)
- Interior Wall Partition Section View (*Show insulation, sheathing, structural features, sound proofing features*)
- Roof Section View (*Insulation, radiant barriers, ventilation*)
- Window Section View (*Dual pane, low-E glass coating or film, security screens*)
- Exterior Door Section View (*Security features, insulation, door locks and hinges*)
- Interior Partition Door Section View (*Security features, insulation, door locks and hinges*)
- Floor Section View (*Moisture barriers, underlayments, utilities*)



- Garage door Section View (*Show added insulation, radiant barrier, window films*)
- Loft Floor Section View (*if applicable*)
- ◆ **Structural Wall Framing Elevations/ Sections**
(*Show framing layout, fireblocking, door and window openings, etc.*)
 - Plan North
 - Plan West
 - Plan South
 - Plan East
- ◆ **Structural Ceiling/ Roof**
 - Truss Elevations
 - Truss Connection Details
- ◆ **Station Details**
 - Station Details (*each workshop Tool Station Plan listing desired features, show storage with a home for all accessories*)
 - Station Jig Details (*Jig designs for each station and a home for each one*)
 - Dust collection Details (*Blastgates, drops, floorsweep, cleanouts*)

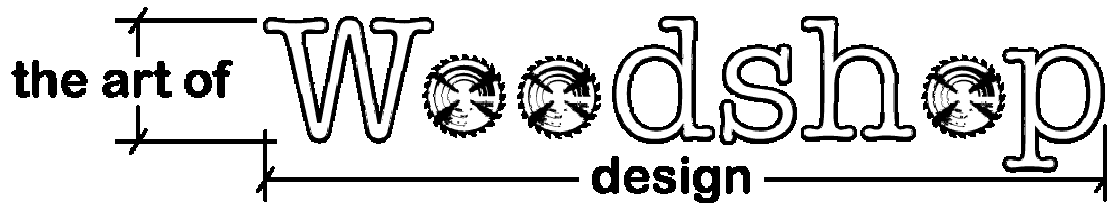


- Security Details (*Reinforced hinges, locks and strikeplates, armor door layer, lexan window barriers, window security screens*)
- Envelope Details (*Any special conditions such as pipe or duct penetrations of walls/ roof*)
- Shop Cart Detail
- Built-in Storage Details (*Keep an easily accessible home for everything and allow for future growth*)
- Misc. Details

◆ **Optional Loft Plans**

A loft would be handy for reading, relaxing, and to showcase your work, preserving your main shop for unobstructed workflow.

- Loft Floor Plan
- Section View
- Elevation View
- Support Details
- Railing Details
- Plan View
- Storage and Cabinet Plan



- Furniture Plan

- ◆ **Structural Loft Drawings**

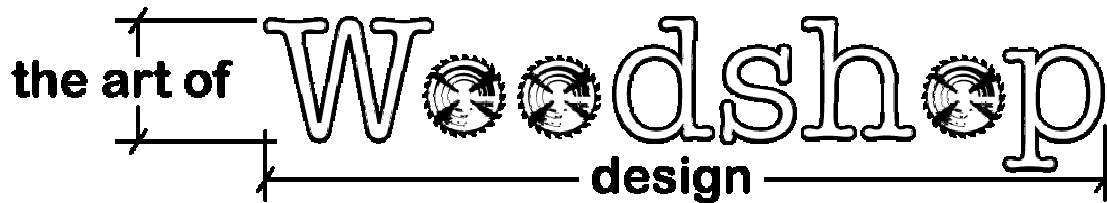
- Loft Floor Plan (*Plan view showing joist layout*)
- Loft Floor Support/ Railing & Section View

Lumber Storage & Finish Outbuilding Drawing Sheet Index

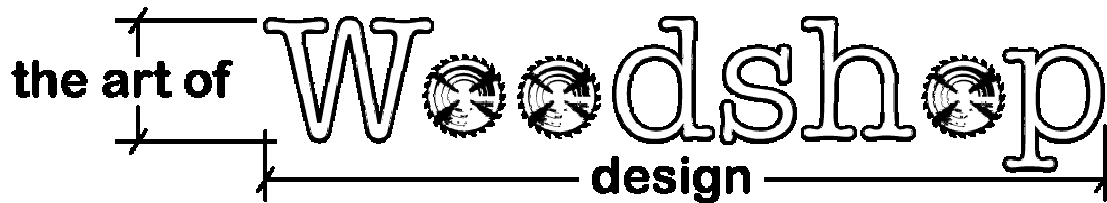
- ◆ **Site / Landscape/ Sheltered Walkway Plan** (*from main shop, if applicable*)

- ◆ **Layout/ Floor Plans**

- Foundation & Sill-Plate Plan
- Framing Plan: Walls, Floor, Roof, Ceiling, Framing Elevations, Roof Truss Elevations
- Electrical and Lighting Plan
- HVAC, Plumbing and Fire Extinguisher Plan (*including exterior or interior hose bibs, sinks, drains, valves, fittings, heating & cooling, compressed air lines, exhaust fans*)
- Reflected Ceiling Plan (*Lighting locations, shown with other ceiling elements*)



- Finished Floor Plan (*Showing underfloor utilities and tile or wood floor pattern*)
- Roof Plan (*including attic vent locations*)
- Lumber Rack Station Layout (*Sheet goods, scraps, long boards, short boards*)
- Finishing Station Layout (*Lazy Suzans, various storage, flammables cabinet*)
- ◆ **Exterior Wall Elevations** (*showing doors, windows, exterior lighting, etc.*)
 - Plan North Wall
 - Plan West Wall
 - Plan South Wall
 - Plan East Wall
- ◆ **Interior Wall Elevations**
 - Plan North Wall
 - Plan West Wall
 - Plan South Wall
 - Plan East Wall
- ◆ **Envelope Sections**
 - General East-West Section
 - General North-South Section

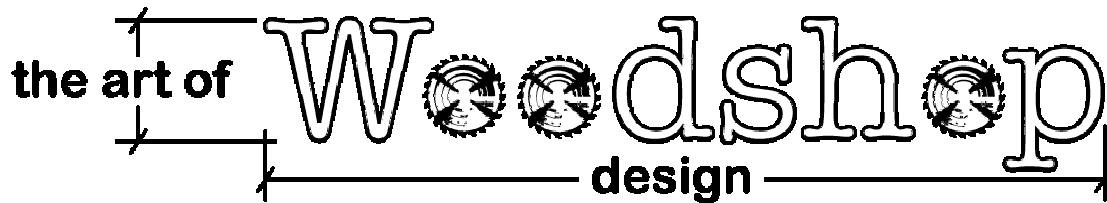


◆ Detailed Sections

- Exterior Wall Section View
- Interior Wall (*Partition*) Section View
- Roof Section View
- Ridge Vent Section View (*if applicable*)
- Window Section View
- Exterior Door Section View
- Interior Door Section View
- Floor Section View
- Spray Station/ Booth Section Views
- Sheltered Walkway Sections (*if applicable*)

◆ Details

- Lumber Storage Racks, Sheet Goods Rack,
Scrap Bins
- Finishing Room Accessory Details
- Security Details
- Envelope Details
- Exhaust Details
- General Details



Glossary

Demising Wall: A wall between two spaces, such as your garage and house.

Detail: A typical condition shown with all design criteria noted; the “nuts and bolts”. For example, you might show a Detail of a typical blastgate assembly, or how you plan to install a typical lumber rack support.

Elevation: A drawing that represents a vertical view; side view.

Envelope: The outside shell of a building, usually indicating exterior walls, the floor, and the roof.

HVAC: Heating, Ventilation, and Air Conditioning.

Floorsweep: A dust collection duct accessory that sits on the floor, with a wide but shallow opening allowing you to sweep dust and non-metallic debris. Use a wire mesh screen at the opening to prevent large debris from being ingested into your collector’s fan blades. Install a blastgate above the floorsweep.

Plan North, South, etc.: A direction on a plan view; plan north is always pointing toward the top of the page, so Plan South would be the wall nearest the bottom of the page. True North would be the compass direction.

Section: A cut-away view drawing that shows the profile of a structure as if it were sliced in half, usually to depict layers inside.

Sill Plate: A piece of lumber at the bottom of a wall frame that sits on the foundation or slab (anchored), usually pressure-treated, with a moisture-barrier underneath.