

shooting bench plans portable

shooting bench plans portable provide an ideal solution for marksmen and shooting enthusiasts who require a stable, durable, and easy-to-transport shooting station. These plans focus on creating benches that combine functionality with portability, allowing users to set up their shooting position quickly in various locations. Whether for target practice, hunting preparation, or competitive shooting, a well-designed portable shooting bench can enhance accuracy and comfort. This article explores detailed plans, materials, design considerations, and construction tips to help build the perfect portable shooting bench. Additionally, it covers maintenance and customization options to maximize the bench's usability. The following sections will guide readers through the essential components and best practices involved in crafting effective shooting bench plans portable.

- Benefits of Portable Shooting Bench Plans
- Essential Features of a Portable Shooting Bench
- Materials and Tools Required
- Step-by-Step Construction Guide
- Design Variations and Customization Options
- Maintenance and Safety Tips

Benefits of Portable Shooting Bench Plans

Portable shooting bench plans offer numerous advantages for shooters who value mobility without compromising on stability and comfort. These benches are designed for easy assembly and disassembly, making transportation hassle-free. The portability factor enables shooters to practice in different environments, whether at a shooting range, in the field, or during competitions. Additionally, portable benches can be stored compactly when not in use, saving space. They typically weigh less than permanent benches while still providing a sturdy platform that absorbs recoil effectively. The combination of convenience, durability, and performance makes portable shooting benches a preferred choice for many shooting enthusiasts.

Improved Accuracy and Stability

A properly constructed portable shooting bench enhances shooting accuracy by offering a stable rest for firearms. The reduced movement and vibration during shooting help maintain consistent aim and shot placement. Portable benches often include features such as adjustable rests and non-slip surfaces to further improve stability and comfort.

Versatility and Convenience

Portable shooting benches are adaptable to various shooting styles and firearms. Their lightweight design allows for quick relocation, which is essential for shooters who travel or participate in field shooting events. The convenience of a portable bench means users can set up their shooting station on uneven terrain or temporary locations with ease.

Essential Features of a Portable Shooting Bench

When designing shooting bench plans portable, it is important to incorporate certain key features that optimize functionality and portability. These features ensure the bench meets the practical needs of the shooter while balancing weight and durability.

Compact Size and Foldability

One of the primary considerations is the bench's size and ability to fold or collapse. Compact dimensions facilitate transportation and storage. Folding legs or detachable components help reduce the overall footprint, making the bench easy to carry in a vehicle or by hand.

Sturdy Construction and Weight

The bench must be constructed from materials that provide adequate weight for stability but remain manageable for carrying. The right balance prevents the bench from tipping or shifting during use while still being portable. Reinforced joints and durable fasteners contribute to long-term reliability.

Adjustable Height and Ergonomics

Adjustability allows users to customize the bench height to their comfort and shooting posture. Ergonomic features such as angled supports and cushioned rests improve shooting comfort and reduce fatigue during extended sessions.

Materials and Tools Required

Choosing the right materials and tools is critical to successfully building shooting bench plans portable. The selection impacts not only the bench's durability and portability but also the ease of construction.

Recommended Materials

Common materials for a portable shooting bench include:

- **Wood:** Lightweight hardwoods like pine or cedar are popular for their balance of strength and

weight.

- **Metal:** Aluminum or steel components add durability and structural integrity, especially for legs or folding mechanisms.
- **Hardware:** Bolts, screws, hinges, and brackets must be rust-resistant and strong enough to handle repeated assembly.
- **Non-slip Pads:** Rubber or foam pads improve grip and protect surfaces.

Essential Tools

The following tools are typically needed:

- Power drill with screwdriver bits
- Saw (circular or hand saw)
- Measuring tape and square
- Wrenches and pliers
- Sandpaper or sander
- Clamps for securing parts during assembly

Step-by-Step Construction Guide

Building shooting bench plans portable involves a systematic approach to ensure stability, portability, and ease of use. The following outline provides a step-by-step process for constructing a basic portable shooting bench.

Step 1: Planning and Measurements

Begin by determining the desired dimensions based on shooter height and intended use. A common bench size ranges from 36 to 48 inches in length and about 24 inches in width. Set the height between 28 and 32 inches, adjustable if possible.

Step 2: Cutting Materials

Cut the tabletop, legs, and support braces according to measurements. Smooth all edges with sandpaper to prevent splinters and ensure a clean finish.

Step 3: Assembling the Frame

Attach the legs to the tabletop using hinges or brackets to allow folding. Reinforce the frame with cross braces for added stability. Ensure all joints are tight and secure.

Step 4: Adding Finishing Touches

Install non-slip pads on the feet to prevent movement. Optionally, add cushioning or shooting rests on the tabletop to enhance comfort. Finish the wood with a protective sealant to resist weather and wear.

Design Variations and Customization Options

Shooting bench plans portable can be adapted to suit different preferences and shooting scenarios. Customization improves functionality and user experience.

Modular Components

Incorporating modular parts such as detachable side tables or storage compartments can increase utility. These elements provide space for ammunition, tools, and accessories without compromising portability.

Adjustable Rests and Supports

Adding adjustable rifle rests or sandbag platforms enhances shooting precision. These supports can be designed to fold or detach for easy transport.

Material Alternatives

For enhanced durability, some plans use marine plywood or composite materials that resist moisture and harsh conditions. Lightweight metals can replace wooden legs to reduce weight.

Maintenance and Safety Tips

Proper maintenance extends the life of portable shooting benches and ensures safe usage during shooting activities.

Regular Inspection and Repairs

Inspect all fasteners, hinges, and joints before each use to identify any looseness or damage. Tighten screws and replace worn parts promptly to maintain structural integrity.

Cleaning and Storage

Clean the bench after use to remove dirt, gunpowder residue, and moisture. Store in a dry, sheltered place to prevent rust and wood deterioration.

Safety Considerations

Ensure the bench is set up on a level surface to prevent tipping. Use non-slip pads and verify that all adjustable components are locked securely before shooting. Always follow firearm safety protocols when using the bench.

Frequently Asked Questions

What are the key features to look for in portable shooting bench plans?

Key features include sturdy construction, lightweight materials for easy transport, adjustable height, foldable design for compact storage, and ample workspace for shooting accessories.

Which materials are best suited for building a portable shooting bench?

Common materials include plywood or hardwood for the tabletop, aluminum or steel for the frame to ensure durability and light weight, and weather-resistant finishes to protect against outdoor conditions.

Are there free portable shooting bench plans available online?

Yes, many websites and shooting forums offer free downloadable plans for portable shooting benches, often including detailed measurements and assembly instructions.

How can I make my shooting bench more portable without compromising stability?

Use lightweight but strong materials, incorporate foldable legs with locking mechanisms, and design the bench to break down into smaller components for easy transport while maintaining a solid base when assembled.

What tools are typically required to build a portable shooting bench from plans?

Common tools include a saw (circular or miter), drill, screwdriver, measuring tape, clamps, and sandpaper. Some designs may require additional tools like a wrench or hammer.

Can portable shooting benches accommodate different shooting positions?

Many portable shooting benches are designed with adjustable heights and surfaces to accommodate sitting or standing positions, as well as different shooting styles such as rifle or pistol shooting.

How much does it typically cost to build a portable shooting bench?

Costs vary depending on materials and complexity but generally range from \$50 to \$200, with DIY options often being more affordable than commercial models.

Are portable shooting bench plans suitable for beginners in woodworking?

Many plans are designed with clear instructions and simple construction techniques, making them suitable for beginners. However, some experience with basic woodworking tools and safety practices is recommended.

Additional Resources

1. Designing the Perfect Portable Shooting Bench

This book explores the essentials of creating a portable shooting bench tailored for precision and convenience. It covers materials, dimensions, and ergonomic designs to enhance shooting accuracy. Readers will find step-by-step plans and tips for building a bench that is both durable and easy to transport.

2. Compact and Foldable Shooting Bench Plans

Focused on space-saving designs, this guide provides detailed plans for foldable shooting benches. Ideal for hunters and target shooters who need portability without sacrificing stability. The book includes illustrations and instructions for various folding mechanisms and locking systems.

3. DIY Shooting Bench Projects for Outdoor Enthusiasts

A hands-on manual for shooters who enjoy crafting their own gear. This book offers multiple shooting bench plans suitable for different environments and shooting styles. It emphasizes using common materials and tools, making the projects accessible for beginners and experienced builders alike.

4. The Ultimate Guide to Portable Shooting Benches

This comprehensive guide covers everything from basic designs to advanced features like adjustable heights and modular components. It includes advice on material selection to withstand weather conditions and rough terrain. Readers will also find maintenance tips to prolong the life of their benches.

5. Shooting Bench Plans for Hunters on the Move

Designed specifically for hunters, this book presents shooting bench plans that prioritize portability and quick setup. It discusses lightweight materials and compact designs that can be easily loaded into hunting vehicles. The book also addresses camouflage and stability considerations in the field.

6. Building a Shooting Bench: Step-by-Step Portable Designs

A beginner-friendly guide that breaks down the building process into manageable steps. It features clear diagrams and a focus on creating benches that can be disassembled and reassembled with ease. The book also offers customization options to suit individual shooting preferences.

7. Portable Shooting Benches: Plans and Practical Advice

This resource combines detailed construction plans with practical advice on usage and transportation. It includes tips on balancing weight, ensuring stability on uneven ground, and selecting the best finishes for outdoor use. The book is ideal for shooters looking to combine functionality with portability.

8. Lightweight Shooting Bench Plans for Precision Shooters

Targeting precision shooters, this book emphasizes lightweight yet stable bench designs to improve accuracy. It explores materials like aluminum and composite woods to reduce weight without compromising strength. The plans include adjustable features to accommodate different shooting positions.

9. Customizable Portable Shooting Benches: Plans and Ideas

This book encourages creativity by providing modular shooting bench plans that can be tailored to specific needs. It includes ideas for add-ons such as storage compartments, cup holders, and shooting rests. The guide promotes versatility, allowing shooters to adapt their benches for various shooting disciplines.

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Shooting Bench Plans: Portable Precision for Any Range

Tired of wobbly shooting benches that leave your shots inconsistent? Frustrated with bulky, immovable setups that limit your shooting locations? Do you dream of precise, repeatable shots no matter where you are? Then you need the ultimate guide to building your own portable shooting bench!

This ebook, "The Portable Shooting Bench: Build Your Own Precision Anywhere," provides detailed plans and instructions for crafting a sturdy, portable shooting bench that will enhance your accuracy and enjoyment of shooting. Whether you're a seasoned marksman or a novice shooter, this guide will empower you to build a custom bench perfectly suited to your needs.

Contents:

Introduction: Understanding the importance of a stable shooting platform and the benefits of portability.

Chapter 1: Planning Your Portable Shooting Bench: Choosing the right materials, dimensions, and design based on your specific needs and skill level. Includes detailed plans and specifications for multiple designs.

Chapter 2: Gathering Materials and Tools: A comprehensive list of necessary materials and tools, with sourcing tips and cost estimations.

Chapter 3: Step-by-Step Construction Guide: A detailed, easy-to-follow guide with clear diagrams and photos illustrating each step of the construction process for various designs.

Chapter 4: Customization and Accessories: Adding features like adjustable height, front and rear rests, and accessory mounts to personalize your bench.

Chapter 5: Maintenance and Care: Tips on keeping your bench in top condition for years to come.

Conclusion: Final thoughts and encouragement to start building your own precision portable shooting bench.

The Portable Shooting Bench: Build Your Own Precision Anywhere

Introduction: The Importance of a Stable Shooting Platform

Accuracy in shooting depends significantly on a stable shooting platform. An unsteady bench introduces variables that negatively impact shot consistency, leading to frustrating misses and inaccurate results. Traditional shooting benches are often large, heavy, and difficult to transport, limiting your shooting locations to established ranges. This ebook provides solutions to these challenges by guiding you through the design and construction of a portable shooting bench. A portable bench allows you to set up a stable shooting position virtually anywhere—from your backyard range to remote hunting locations, enhancing your shooting experience and accuracy. It also empowers you to tailor the bench to your specific needs, preferences, and shooting style.

Chapter 1: Planning Your Portable Shooting Bench: Design and Dimensions

This chapter focuses on the crucial initial planning phase. This isn't just about grabbing some wood and building; successful construction begins with thoughtful design. You'll learn to select appropriate materials based on your budget, desired weight, and durability requirements.

Material Selection:

Wood: Popular choices include pressure-treated lumber for outdoor use (resistance to rot and insects), hardwood for increased stability and longevity, or even lighter softwoods for ease of portability. Consider the weight capacity needed for your rifle or pistol.

Metal: Steel or aluminum tubing can create a lightweight yet sturdy frame. Aluminum is easier to work with but less durable than steel. Proper powder coating is crucial for outdoor metal components to prevent rust.

Fasteners: Use high-quality screws, bolts, and nuts appropriate for the chosen materials. Stainless steel is preferable for outdoor use to prevent corrosion.

Design Considerations:

Folding Design: This offers maximum portability. Consider hinges, latches, and a carrying handle for convenient transport.

Adjustable Height: This allows for personalized shooting comfort and proper sight alignment. Explore the use of adjustable legs or a telescoping design.

Bench Height: This should be comfortable and provide the correct sight picture for your body type and firearm. Experiment with different heights to find what works best.

Front and Rear Rests: Consider incorporating adjustable rests for your firearm and forend to ensure consistent support and stability.

Storage: Incorporate spaces for ammunition, cleaning supplies, or other accessories.

Dimensions:

The dimensions of your bench will depend heavily on your personal preferences and the type of firearm you'll be using. However, some general guidelines include:

Benchtop Length: At least 24 inches, but ideally longer for greater stability and comfort.

Benchtop Width: 10-12 inches should be sufficient for most firearms.

Leg Spacing: This should be sufficient for stability and prevent the bench from tipping over, particularly with heavier firearms. Consider the height and spread of the legs.

Overall Weight: Aim for a balance between portability and sturdiness. A lighter bench might lack stability while a heavier one might be difficult to carry.

Chapter 2: Gathering Materials and Tools

Before you begin construction, gather all necessary materials and tools. A well-organized approach will save time and prevent frustration. The specific items will depend on your chosen design and materials, but a comprehensive list will typically include:

Materials (based on your chosen design, refer to Chapter 1): Wood or metal, screws, bolts, hinges, latches, carrying handle, paint or sealant (for outdoor use).

Tools: Measuring tape, saw (circular saw, hand saw, or jigsaw), drill, screwdriver bits (Phillips and flathead), wrench set, level, clamps, safety glasses, work gloves, sandpaper, paintbrush (if using

paint).

Sourcing Materials:

Lumber Yards: Offer a wide selection of wood and lumber.

Hardware Stores: Carry fasteners, hinges, latches, and other necessary components.

Online Retailers: Offer convenient access to a vast array of materials and tools.

Cost Estimation:

The cost of materials will vary depending on your chosen design, materials, and location. However, you should be able to build a functional portable shooting bench for a relatively modest investment.

Chapter 3: Step-by-Step Construction Guide

This is where you put your plan into action. This chapter provides a detailed, step-by-step guide with clear diagrams and photos for several different bench designs. The instructions will cover:

Cutting and Shaping Materials: Accurate measurements and cuts are essential for a sturdy and functional bench.

Assembling the Frame: The method will vary depending on the design – a simple frame made of lumber, or a more complex frame constructed using metal tubing and connectors.

Attaching the Benchtop: Secure the benchtop to the frame using screws or bolts for stability.

Adding Features (if applicable): Install hinges, latches, adjustable legs, and other components as part of your design.

Finishing Touches: Apply paint, stain, or sealant to protect the bench from the elements (if necessary) and enhance its appearance.

Chapter 4: Customization and Accessories

Once your basic portable shooting bench is complete, consider adding features to further enhance its functionality and personalization.

Customization Options:

Adjustable Height: Incorporate adjustable legs or a telescoping mechanism for versatility.

Different Benchtop Materials: Explore using different materials like high-density foam with a rugged cover for superior firearm protection.

Improved Rests: Upgrade to more sophisticated rests with adjustable features.

Accessory Options:

Carrying Bag or Case: Make carrying easier and protects the bench during transport.
Ammunition Storage: Attach a compartment or pouches for convenient storage of ammo.
Accessory Mounts: Add mounts for optics cleaning tools, range finders, or other accessories.
Leveling Feet: Add adjustable feet to ensure the bench is perfectly level on uneven terrain.

Chapter 5: Maintenance and Care

Proper maintenance ensures your shooting bench remains functional and durable for years to come.

Regular Cleaning: Regularly wipe down the bench to remove dirt, debris, and residue from cleaning supplies.

Tightening Fasteners: Periodically check and tighten all screws, bolts, and hinges to ensure stability and prevent looseness.

Protection from the Elements: If using wood, apply a fresh coat of sealant or paint as needed to prevent weathering and water damage. For metal, ensure rust protection.

Storage: When not in use, store the bench in a dry, protected area to prevent damage.

Conclusion: Building Your Own Precision

Building your own portable shooting bench is a rewarding experience that enhances your shooting accuracy and enjoyment. This ebook has provided you with the knowledge and detailed plans to construct a custom bench perfectly suited to your specific needs and skill level. Now, it's time to put your skills to the test and build your perfect portable shooting companion!

FAQs:

1. What type of wood is best for a portable shooting bench? Pressure-treated lumber is ideal for outdoor use, offering resistance to rot and insects. Hardwood provides superior durability and stability.
2. How much does it cost to build a portable shooting bench? The cost varies depending on the materials and design, but you can build a functional bench for a relatively low cost.
3. What tools do I need to build a portable shooting bench? You'll need basic woodworking or metalworking tools, including a saw, drill, measuring tape, and appropriate fasteners.
4. How portable is a homemade shooting bench? Portability depends on the design; folding designs are generally easiest to transport.
5. Can I use metal for the construction of the bench? Yes, steel or aluminum tubing can create a lightweight yet strong frame.
6. What is the ideal height for a shooting bench? The ideal height depends on your body type and shooting style, but experiment to find what's comfortable for you.

7. How do I ensure my bench is stable? Proper leg spacing, secure fasteners, and a sturdy benchtop are essential for stability.
8. Can I add accessories to my portable shooting bench? Absolutely! Consider adding adjustable rests, storage compartments, or carrying handles.
9. How do I maintain my portable shooting bench? Regular cleaning, tightening fasteners, and protection from the elements will ensure its longevity.

Related Articles:

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3. Portable Shooting Bench Designs for Hunters: Focuses on compact and lightweight designs ideal for transporting to remote hunting locations.
4. Advanced Shooting Bench Features: Adjustable Height and Accessories: Explores more advanced features to customize your bench.
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6. Shooting Bench Safety: Essential Tips for Safe Range Use: Discusses safety measures related to shooting bench use.
7. Budget-Friendly Portable Shooting Bench Plans: Focuses on economical materials and construction methods.
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9. The Importance of a Stable Shooting Platform for Precision Shooting: A detailed explanation of how a stable shooting platform impacts accuracy.

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- How you can get your dog to come when called by acting less like a primate and more like a dog
- Why the advice to “get dominance” over your dog can cause problems
- Why “rough and tumble primate play” can lead to trouble—and how to play with your dog in ways that are fun and keep him out of mischief
- How dogs and humans share personality types—and why most dogs want to live with benevolent leaders rather than “alpha wanna-bes!”

Fascinating, insightful, and compelling, *The Other End of the Leash* is a book that strives to help you connect with your dog in a completely new way—so as to enrich that most rewarding of relationships.

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shooting bench plans portable: Workbenches Revised Edition Christopher Schwarz, 2017-01-15 Two centuries of workbench wisdom in one book With this book, your very first workbench will do everything you need it to do--possibly for the rest of your woodworking career. Encompassing years of historical research and real-world trials, Christopher Schwarz boils down centuries of the history and engineering of workbenches into basic ideas that all woodworkers can use. • Learn how to design your own world-class workbench • Learn the fundamental rules of good workbench design that have been largely forgotten • Learn how to build an inexpensive and practical bench that hasn't been in widespread use for over 100 years • Learn how to properly use any workbench In this revised and updated edition you'll find plans for five benches--two sturdy English benches and two variations on the French Roubo, as well as a portable bench you can clamp to any solid surface. The old-school benches in this book are simpler than modern benches, easier to build and perfect for both power and hand tools. Beginning woodworkers can build any of these benches. The technical drawings are clear and show every detail. Using the step-by-step instructions, you will be amazed at how easily these workbenches can be constructed.

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shooting bench plans portable: Chronicle of a Death Foretold Gabriel García Márquez, 2014-10-15 NOBEL PRIZE WINNER • From the author of *One Hundred Years of Solitude* comes the gripping story of the murder of a young aristocrat that puts an entire society—not just a pair of murderers—on trial. A man returns to the town where a baffling murder took place 27 years earlier, determined to get to the bottom of the story. Just hours after marrying the beautiful Angela Vicario, everyone agrees, Bayardo San Roman returned his bride in disgrace to her parents. Her distraught family forced her to name her first lover; and her twin brothers announced their intention to murder Santiago Nasar for dishonoring their sister. Yet if everyone knew the murder was going to happen, why did no one intervene to stop it? The more that is learned, the less is understood, as the story races to its inexplicable conclusion.

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sidebars, *The Ultimate Sniper* once again thoroughly details the three great skill areas of sniping; marksmanship, fieldcraft and tactics.

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shooting bench plans portable: *Popular Science Monthly*, 1927

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shooting bench plans portable: *Treasure Island* Robert Louis Stevenson, 1918

shooting bench plans portable: *Management of Legionella in Water Systems* National Academies of Sciences, Engineering, and Medicine, Health and Medicine Division, Division on Earth and Life Studies, Board on Population Health and Public Health Practice, Board on Life Sciences, Water Science and Technology Board, Committee on Management of Legionella in Water Systems, 2020-02-20 Legionnaires' disease, a pneumonia caused by the Legionella bacterium, is the leading cause of reported waterborne disease outbreaks in the United States. Legionella occur naturally in water from many different environmental sources, but grow rapidly in the warm, stagnant conditions that can be found in engineered water systems such as cooling towers, building plumbing, and hot tubs. Humans are primarily exposed to Legionella through inhalation of contaminated aerosols into the respiratory system. Legionnaires' disease can be fatal, with between 3 and 33 percent of Legionella infections leading to death, and studies show the incidence of Legionnaires' disease in the United States increased five-fold from 2000 to 2017. *Management of Legionella in Water Systems* reviews the state of science on Legionella contamination of water systems, specifically the ecology and diagnosis. This report explores the process of transmission via water systems, quantification, prevention and control, and policy and training issues that affect the incidence of Legionnaires' disease. It also analyzes existing knowledge gaps and recommends research priorities moving forward.

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getting the most from the tools, and projects made using hand tools. With clear photographs, drawings, and step-by-step instructions, Woodworking with Hand Tools will be a useful and necessary resource for anyone who works wood.

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shooting bench plans portable: 2010 ADA Standards for Accessible Design Department Justice, 2014-10-09 (a) Design and construction. (1) Each facility or part of a facility constructed by, on behalf of, or for the use of a public entity shall be designed and constructed in such manner that the facility or part of the facility is readily accessible to and usable by individuals with disabilities, if the construction was commenced after January 26, 1992. (2) Exception for structural impracticability. (i) Full compliance with the requirements of this section is not required where a public entity can demonstrate that it is structurally impracticable to meet the requirements. Full compliance will be considered structurally impracticable only in those rare circumstances when the unique characteristics of terrain prevent the incorporation of accessibility features. (ii) If full compliance with this section would be structurally impracticable, compliance with this section is required to the extent that it is not structurally impracticable. In that case, any portion of the facility that can be made accessible shall be made accessible to the extent that it is not structurally impracticable. (iii) If providing accessibility in conformance with this section to individuals with certain disabilities (e.g., those who use wheelchairs) would be structurally impracticable, accessibility shall nonetheless be ensured to persons with other types of disabilities, (e.g., those who use crutches or who have sight, hearing, or mental impairments) in accordance with this section.

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and index, plus complete reduced images of seven lute plans.

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