MEMBERS VAULT · BUILD PLAN

Backyard Build Plan

Building Your Backyard Golf Simulator — the book's own chapter order, from thinking on paper to a room you can use.

To be used with Building Your Backyard Golf Simulator

These sheets follow the chapter order in *Building Your Backyard Golf Simulator*. That book is a thinking tool, not a set of construction drawings, and it does not break the work into two-day weekends. I kept the book's sequence rather than inventing one: decide before you spend a dollar, then site and size, the structure, electrical and comfort during the build, then the interior, the screen, the mat, and the equipment. Read the matching book before you build, follow local codes and permits, and have a licensed electrician do the electrical work. Start here only if this is the book and the site you actually have.

WHAT'S IN THIS SET

A short how-to page, a blank sheet you can copy, nine session sheets in the book's chapter order, the dimension ranges from Appendices A and B, the electrical and climate checklists from Appendices C and D, a copy of the Appendix E budget worksheet, and the Appendix F maintenance checklist.

These sheets are a planning companion to the matching book. They are not engineering, structural, electrical, or safety advice and not a substitute for local codes, permits, or a qualified professional. Measurements, materials, and safety notes must come from the book. Do not build from a blank field. Dimension ranges in the book are planning guidelines, not rules.

BUILT, NOT JUST WRITTEN.

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How to use these sheets

The book asks you to read it before you spend a dollar. These sheets are the working copy of that walk-through, not a substitute for the chapters or for a licensed electrician.

1. Read the matching chapters in *Building Your Backyard Golf Simulator* before you start a session.
2. Finish Session 1 honestly before you buy a shed or a launch monitor.
3. Run electrical and climate-control decisions during construction, before the walls close. (Chapters 6 and 7)
4. The questions are questions, not a sign-off that the design is approved or code-compliant.
5. Dimension ranges are planning guidelines. The notes on the reference sheet explain where Chapter 4 and Appendix A differ.

A NOTE ON WEEKENDS

The book does not assign this project to a numbered Saturday sequence. A shed, a slab, an electrical run, and a finished room take the time they take. I used the book's chapter order so I would not invent a construction calendar.

Chapter 4 and Appendix A do not use identical minimums. Chapter 4 calls at least 10 feet of ceiling height non-negotiable for most golfers, says 9 feet feels cramped for tall players, and names 12' × 16' × 10' as the absolute bare minimum. Appendix A lists a "minimum functional" build at 12' wide, 16' deep, and 9' of ceiling, and a recommended build at 14–16' × 18–20' × 10'. Use both as planning guidelines, and be honest about the people who will swing in the room.

These sheets are the working copy. The method, the why, and the full detail stay in Building Your Backyard Golf Simulator.

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Blank work-session sheet

Master template — not a design

Master template — copy this page for a work session the chapters do not already name. Do not invent dimensions, electrical specs, or safety steps. If the book does not give a figure, leave the line blank and go back to it.

PROJECT / LAYOUT _____ SESSION NAME _____

DATE _____ HELPERS _____

FROM BOOK CHAPTER _____ CONTRACTORS / ELECTRICIAN _____

THIS SESSION'S AIM

NOT THIS SESSION

MATERIALS / DECISIONS

Item	From book or quote

TOOLS / PEOPLE

STEPS (IN THE BOOK'S ORDER)

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PERMIT / ELECTRICIAN QUESTIONS

- ☐ _____
- ☐ _____
- ☐ _____

DONE WHEN _____ NEXT SESSION _____

DATE FINISHED _____

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Session — Before you spend a dollar

Chapters 1 and 2 — before any purchase

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Sit down with a piece of paper and answer how you'll actually use the room, who else will use it, and the real budget, including what you'll want to add later. Write one paragraph describing the room you want a year from now.

Not this session. Do not start with a launch-monitor review or a shed that's already in stock. The book says the most expensive mistake happens before you buy a single thing, and to read the book before you spend a dollar.

MATERIALS / DECISIONS

- [ ] A notebook or a single page for the three questions in Chapter 1
- [ ] The Appendix E budget worksheet, used as a planning sheet, not a bid

CUTS / LAYOUT

None. This session is thinking on paper.

TOOLS / PEOPLE

The book, from the beginning. The decisions in later chapters depend on these.

BEFORE YOU START

- [ ] This is a planning session. Later electrical and structural work belongs with a licensed electrician and, where required, permitted work (Chapters 3 and 7).

STEPS — IN THE BOOK'S ORDER

1. Answer honestly: how do you actually plan to use this — not how you hope to, how your life allows? Practice sessions, entertaining friends, or a hybrid? (Chapters 1 and 2)
2. Who else will use it? Just you, kids, friends, or a spouse who may use the space for other reasons? The more the room has to serve, the more that should shape the size and the furniture. (Chapter 1)
3. Write down the real budget, including the things you'll want to add six months in. Appendix E recommends a 15 percent contingency. (Chapters 1 and 13; Appendix E)
4. Write one paragraph describing the room you want a year from now: who uses it, how often, what it feels like, what a typical visit looks like. (Chapter 1)

SITE / RULE QUESTIONS

- [ ] Have you written the paragraph and the three answers down, not just thought about them?
- [ ] Does the budget include a contingency, as Appendix E recommends?

Done when. The three questions are written down, a one-paragraph picture of the room exists, and a first budget range is on the Appendix E sheet.
Next session. Site, space, and permits (Chapters 3 and 4).

DATE FINISHED _____

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Session — Site, space, and permits

Chapters 3 and 4 — still before you buy the shed

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Choose a location you will actually walk to, measure the space honestly, and call the building department about permits and setbacks. Get an electrician's quote for the power run before you lock the location.

Not this session. Do not commit to a shed size before you have measured ceiling height. Do not treat a 9-foot ceiling as plenty if you are an average or tall golfer — Chapter 4 calls 10 feet the height most golfers need and says 9 feet feels cramped for tall players.

MATERIALS / DECISIONS

- [ ] A tape measure and a sketch of the yard and the proposed floor plan
- [ ] Appendix A dimension ranges, used as planning guidelines, not rules

CUTS / LAYOUT

Sketch width, depth, and ceiling height. See the dimension notes on the reference sheet.

TOOLS / PEOPLE

Tape measure
A call to the building department (Chapter 3 says it takes about ten minutes)

BEFORE YOU START

- [ ] Accessory-structure permits and setbacks vary by municipality. The questions are questions, not a sign-off that the design is approved. (Chapter 3)

STEPS — IN THE BOOK'S ORDER

1. Pick a location close to where you actually live. The book says a long walk, a gate, or bad-weather access is how usage drops. (Chapter 3)
2. Note sun and shade. A shed that gets six hours of direct summer sun will be harder to cool; shade has real value. (Chapter 3)
3. Get a quick quote from an electrician for the run from your main panel before you finalize the location. A long run adds wire, trench, and cost. (Chapter 3)
4. Think about neighbors and noise. A shed with the hitting end facing away from the property line is a better neighbor. A simulator shed isn't silent. (Chapter 3)
5. Check the ground. The shed needs a level foundation. Sloped ground means site preparation or a raised foundation. (Chapter 3)
6. Call the building department about permits and setbacks. Unpermitted structures can create problems when you sell. (Chapter 3)
7. Measure the space you actually need. Chapter 4: at least 10 feet of ceiling height for most golfers; at least 12 feet of width; at least 15–16 feet of depth from the hitting position to the screen. It calls 12' × 16' × 10' the absolute bare minimum, and 14–16' wide, 18–20' deep, and 10' of ceiling the target most people wish they'd hit. If you have to choose, choose wider. Ceiling height is the hardest thing to fix later.

SITE / RULE QUESTIONS

- [ ] Have you called the building department about permits and setbacks?
- [ ] Have you had an electrician quote the power run to this location?
- [ ] Is the ceiling height you're planning honestly enough for the people who will swing in it?

Done when. A location is chosen with power-run and permit questions asked, and a target width, depth, and ceiling height are written down from Chapter 4 and Appendix A.
Next session. Choose the structure and foundation (Chapter 5).

DATE FINISHED _____

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Session — Choose the structure and foundation

Chapter 5 — still planning, then site work

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Choose a new prefab, a custom build, a conversion, or a garage, then get honest about ceiling height, structure, wall framing, and the foundation. For a simulator shed, the book says a concrete slab is worth serious consideration.

Not this session. Do not buy whatever prefab is in stock. Do not invest in a conversion until someone has assessed the structure and you have measured the ceiling carefully. Do not pour or set a foundation until permits, if required, are in hand.

MATERIALS / DECISIONS

- [ ] Manufacturer specs or a builder's quote for the size you wrote down in the last session
- [ ] A concrete-contractor quote if you are considering a slab (Chapter 5)

CUTS / LAYOUT

Prefab wall heights: look for 8 feet minimum, with upgraded 10-foot walls if available. Standard 2×4 framing is adequate; 2×6 is better for insulation in cold climates. (Chapter 5)

TOOLS / PEOPLE

A tape measure, for conversions especially
The Appendix A and B ranges, as a planning check

BEFORE YOU START

- [ ] Have someone assess a conversion honestly before you invest (Chapter 5).
- [ ] Foundation work on a slope adds time and cost; know the ground before you commit (Chapter 3).

STEPS — IN THE BOOK'S ORDER

1. Choose the starting point: a prefabricated shed kit, a custom-built structure, an existing shed, or a garage conversion. Each has trade-offs the book spells out. (Chapter 5)
2. Check four things, in the book's order of importance: ceiling height, structural integrity, wall depth and framing, and roof design (snow load in cold climates; a steeper pitch often creates more headroom). (Chapter 5)
3. For a prefab, look for wall heights of 8 feet minimum, upgraded 10-foot walls if available, and check the floor system. (Chapter 5)
4. Get a quote from a concrete contractor early, before you commit to a foundation type. Options range from gravel pads and concrete deck blocks to a full poured slab. For a simulator shed, a slab gives a level, permanent floor that's easy to insulate and finish, and it eliminates floor flex. (Chapter 5)

SITE / RULE QUESTIONS

- [ ] Have you measured ceiling height before investing in a conversion?
- [ ] Have you requested a slab quote before locking a gravel pad?
- [ ] If a permit is required, is it in hand before anyone digs or pours?

Done when. The structure type is chosen, ceiling height is confirmed, and a foundation type is chosen with at least one contractor quote if a slab is in play.
Next session. Electrical plan (Chapter 7) — run it during construction, before the walls close.

DATE FINISHED _____

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Session — Electrical plan

Chapter 7 — during construction, before the walls are finished

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Have a licensed electrician plan a dedicated subpanel, or at minimum several dedicated circuits — not a single 15-amp circuit and not an extension cord from the garage. Run ethernet now, while the walls are open.

Not this session. Do not close the walls before outlets, a ceiling box for the projector, lighting boxes, and the network run are in. Do not size a subpanel only for today's equipment.

MATERIALS / DECISIONS

- [ ] Appendix C, used as the planning checklist
- [ ] A licensed electrician's plan and, where required, the electrical permit

CUTS / LAYOUT

None from this book beyond the circuit plan: a dedicated 20-amp circuit for simulator equipment alone; a separate circuit for climate control; general outlets on their own circuit. (Chapter 7; Appendix C)

TOOLS / PEOPLE

The electrician's tools and permits — this is not a DIY wiring sheet

BEFORE YOU START

- [ ] Have a licensed electrician do the work. Pull the permits. Do it right once. (Chapter 7)
- [ ] These sheets are not electrical advice and not a substitute for code or a qualified professional.

STEPS — IN THE BOOK'S ORDER

1. List what you'll be powering: launch monitor, projector or display, computer, router or switch, lighting, climate control, and later add-ons such as a television, sound, a mini-refrigerator, and charging. (Chapter 7)
2. Have a licensed electrician run a dedicated subpanel or at minimum several dedicated circuits during construction. (Chapter 7)
3. Give the simulator equipment — projector, computer, launch monitor — a dedicated 20-amp circuit with no other devices on it. (Chapter 7; Appendix C)
4. Put climate control on its own circuit. The book notes most mini-splits require that, and that this is code in most jurisdictions. (Chapter 7)
5. Put lighting and general outlets on their own circuit, not mixed with simulator equipment. Plan dimmable, even lighting without glare on the screen, and place boxes before the walls close. (Chapter 7)
6. Plan internet before you finalize the electrical plan. Running ethernet during construction is cheap; running it after the walls are finished is not. A direct run from the home router beats Wi-Fi for reliability. (Chapter 7; Appendix C)
7. Plan a ceiling outlet for the projector, surge protection, and charging locations. (Appendix C)
8. If you're running a subpanel, don't size it for current loads only. (Chapter 7)
9. Pull the electrical permits if your jurisdiction requires them. (Chapter 7; Appendix C)

SITE / RULE QUESTIONS

- [ ] Is a licensed electrician doing this work?
- [ ] Have electrical permits been reviewed and obtained if required?
- [ ] Are ethernet, the projector box, and lighting boxes going in before the walls close?

Done when. A licensed electrician has a plan for a subpanel or dedicated circuits, ethernet and boxes are planned before close-in, and any required permit is in motion.
Next session. Comfort year-round (Chapter 6) — insulation and climate control, decided during construction.

DATE FINISHED _____

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Session — Comfort year-round

Chapter 6 — a construction decision, not a later add-on

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Plan insulation, air sealing, heat, and cooling so the room is usable in the worst month of your climate. The book says climate control is a foundational decision, not a finishing detail.

Not this session. Do not wait until January to think about heat. Do not insulate the walls and forget the ceiling and the floor.

MATERIALS / DECISIONS

- [ ] Appendix D, used as the planning checklist
- [ ] Insulation to the book's planning figures: walls R-15 minimum, R-21 preferred in cold climates; ceiling R-38 minimum; floor insulation considered (rigid foam under the slab or a floating subfloor) (Chapter 6; Appendix D)

CUTS / LAYOUT

Air-seal penetrations, windows, and doors as part of the build, not as a patch later. (Chapter 6; Appendix D)

TOOLS / PEOPLE

The Appendix D checklist
A heating and cooling quote for the system you select

BEFORE YOU START

- [ ] These R-values are the book's planning guidelines, not a certified energy model. Follow what your climate and your jurisdiction require.

STEPS — IN THE BOOK'S ORDER

1. Insulate the walls, ceiling, and floor, and air-seal the envelope. (Chapter 6; Appendix D)
2. Select a heating system. The book's first example is a mini-split (ductless heat pump). (Chapter 6)
3. Determine the cooling strategy and ventilation, and evaluate humidity for your climate. (Appendix D)
4. Choose a thermostat location and estimate seasonal operating costs. (Appendix D)
5. Weather-seal windows and doors. (Appendix D)

SITE / RULE QUESTIONS

- [ ] Are wall, ceiling, and floor insulation all on the plan — not just the walls?
- [ ] Is climate-control equipment on its own electrical circuit, as Chapter 7 describes?

Done when. Insulation, air sealing, and a heat-and-cooling plan are written down and built into the construction sequence, not left for later.
Next session. Finish the interior (Chapter 8).

DATE FINISHED _____

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Session — Finish the interior

Chapter 8 — after electrical and insulation

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Turn the shed into a room: walls that can take an occasional miss, a light-colored ceiling, and a floor you can stand on for a 45-minute session.

Not this session. Do not leave a bare concrete slab as the standing surface. The book says it is hard and unforgiving over a long session.

MATERIALS / DECISIONS

- [ ] Wall finish as you choose: drywall is the standard; OSB is a popular alternative that holds screws and mounting hardware well, often preferred on hitting-area walls (Chapter 8)
- [ ] A light-colored ceiling finish, commonly white painted drywall (Chapter 8)
- [ ] Flooring with some cushion — the book names rubberized floor tiles as an excellent choice over concrete (Chapter 8)

CUTS / LAYOUT

Finish the area immediately around the hitting zone with something that can take impact: the front wall behind the screen and the side walls near the hitting position. (Chapter 8)

TOOLS / PEOPLE

Ordinary finishing tools; follow the product instructions for whatever you install

BEFORE YOU START

- [ ] Install finishes over the insulation and electrical work already in place, not instead of them.

STEPS — IN THE BOOK'S ORDER

1. Finish the walls. Plan impact-resistant surfaces in the hitting zone. (Chapter 8)
2. Keep the ceiling light in color, installed properly over the insulation, with no gaps around fixtures. (Chapter 8)
3. Finish the floor so it has cushion and traction. (Chapter 8)

SITE / RULE QUESTIONS

- [ ] Is the hitting zone finished with something that can take a miss?
- [ ] Is the floor more forgiving than bare concrete?

Done when. Walls, ceiling, and floor are finished, with the hitting zone ready for a screen and a mat.
Next session. The screen and enclosure (Chapter 9).

DATE FINISHED _____

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Session — Screen and enclosure

Chapter 9

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Choose a quality impact screen and an enclosure with side baffles, and plan screen size, projector throw, and hitting position as one system.

Not this session. Do not mount a screen directly to a flat wall without proper framing. Do not skip side baffles — the book says they are not optional. Do not buy a cheap fabric that was not designed for this use.

MATERIALS / DECISIONS

- [ ] An impact screen designed for golf-ball impact; 10–12 feet of width is typical for a standard hitting area (Chapter 9)
- [ ] An enclosure frame and surround, plus side baffles (Chapter 9)
- [ ] A projector chosen together with screen size and throw distance (Chapter 9)

TOOLS / PEOPLE

The room dimensions from Session 2
The manufacturer's throw-ratio figures for the projector you are considering

BEFORE YOU START

- [ ] A shot that hooks past the screen edge with no baffles is a dangerous shot. Plan the baffles from the start. (Chapter 9)

CUTS / LAYOUT

Match screen dimensions to room width and the projector's throw ratio. These three variables need to be planned as a system. (Chapter 9)

STEPS — IN THE BOOK'S ORDER

1. Buy a screen made for this application. Material quality, seam construction, and mounting hardware all matter. (Chapter 9)
2. Plan an enclosure that supports the screen and catches errant shots, with side baffles from the start. (Chapter 9)
3. Plan projector throw distance together with screen size and hitting position. (Chapter 9)
4. Think about ball containment for hooks and thin shots that miss the screen. (Chapter 9)

SITE / RULE QUESTIONS

- [ ] Are side baffles on the plan, not optional?
- [ ] Have screen size, throw distance, and hitting position been planned together?

Done when. Screen, enclosure, baffles, and projector throw are planned as one system, and the screen is a purpose-made impact screen.
Next session. The mat and the turf (Chapter 10).

DATE FINISHED _____

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Session — The mat and the turf

Chapter 10

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Choose a quality hitting mat with realistic feel and, if possible, a replaceable hitting strip, and match the surrounding turf height to the mat.

Not this session. Do not cheap out on the mat. The book says poor mats cause real wrist, elbow, and shoulder problems, and that this is preventable.

MATERIALS / DECISIONS

- [ ] A quality hitting mat with consistent lie and a replaceable hitting strip if you can get one (Chapter 10)
- [ ] Artificial turf around and behind the mat, matched to the mat height (Chapter 10)

CUTS / LAYOUT

Place the mat so the hitting position agrees with the screen and the projector plan from the last session. (Chapters 9 and 10)

TOOLS / PEOPLE

A straightedge or level to check that the mat and turf meet at the same height

BEFORE YOU START

- [ ] A hard mat transmits impact through the wrists, elbows, and shoulders. If it hits hard, do not keep using it. (Chapter 10)

STEPS — IN THE BOOK'S ORDER

1. Choose a mat with some give, consistent surface height and texture, and durability. Look for replaceable hitting strips. (Chapter 10)
2. Match the height of the surrounding turf to the mat, so the setup position is natural. (Chapter 10)
3. Stand on it and take a few careful practice swings — without a ball at first — and pay attention to how it feels. The book says your body will tell you immediately whether you chose correctly. (Chapter 10)

SITE / RULE QUESTIONS

- [ ] Does the mat have some give, or does it hit hard?
- [ ] Is the surrounding turf the same height as the mat?

Done when. A quality mat is in place, the turf height matches, and the hitting position agrees with the screen and projector.
Next session. Launch monitor, software, furniture, and first use (Chapters 11 and 12).

DATE FINISHED _____

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Session — Equipment, furniture, and first use

Chapters 11, 12, and 15

DATE _____ HELPERS _____ NOTES _____

THIS SESSION'S AIM

Place the launch monitor and computer as the equipment requires, leave room for seating and storage, and start using the room before you buy every upgrade. The book says the best upgrades come after you've used it.

Not this session. Do not fill the room with equipment until you've left space for people to sit and for storage. Do not treat upgrades as part of day one (Chapter 16).

MATERIALS / DECISIONS

- [ ] Launch monitor, projector, computer, and software, chosen after the room dimensions exist (Chapter 11)
- [ ] Seating and storage from the start — the book says almost everyone underestimates seating, and not planning storage is a common mistake (Chapters 12, 14, and 17)

CUTS / LAYOUT

Follow the placement requirements for your launch monitor. Placement matters. (Chapter 11)

TOOLS / PEOPLE

The Appendix F maintenance checklist, for after you're up and running

BEFORE YOU START

- [ ] Keep walking paths clear of cords. Surge-protect the equipment (Appendix C; Chapter 7).

STEPS — IN THE BOOK'S ORDER

1. Set up the launch monitor, software, and computer according to their instructions and Chapter 11. Most simulator software needs an internet connection; some needs a reliable, fast one. (Chapters 7 and 11)
2. Put in more seating than you think you need, and storage that actually works. Leave somewhere to put a drink. (Chapter 12)
3. Use the room. Live with it before you spend on upgrades. (Chapters 15 and 16)
4. Start the maintenance rhythm in Appendix F: monthly cleaning and screen checks, seasonal HVAC and weather-sealing checks, and an annual deep clean and wear review.

SITE / RULE QUESTIONS

- [ ] Is there somewhere for a second person to sit without crowding the swing?
- [ ] Is storage planned, not postponed?

Done when. The room can be used for a real session, with seating and storage in place, and the Appendix F checklist is where you'll find it.
Next session. Use the room. Appendix F is the ongoing checklist. Upgrades come later (Chapter 16).

DATE FINISHED _____

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Dimension reference

Appendices A and B — planning guidelines, not rules

Chapter 4 and Appendix A do not use identical minimums. Chapter 4 calls at least 10 feet of ceiling height non-negotiable for most golfers, says 9 feet feels cramped for tall players, and names 12' × 16' × 10' as the absolute bare minimum. Appendix A lists a "minimum functional" build at 12' wide, 16' deep, and 9' of ceiling, and a recommended build at 14–16' × 18–20' × 10'. Use both as planning guidelines, and be honest about the people who will swing in the room.

APPENDIX A — DIMENSION QUICK REFERENCE

Planning range	Width	Depth	Ceiling	Book note
Minimum functional (App. A)	12 feet	16 feet	9 feet	Works for most average-height golfers. Limited seating. Functional, not particularly comfortable.
Recommended (App. A)	14–16 feet	18–20 feet	10 feet	The range to target if budget and property allow. Room to move, seating, and storage.
Premium (App. A)	16–20 feet	20–24 feet	10–12 feet	Multiple users, entertainment-focused, maximum flexibility.

Appendix A general rule: additional width provides more long-term satisfaction than additional depth. If you have to choose one, choose wider. Chapter 4 says the same.

APPENDIX B — SAMPLE SHED LAYOUTS

Compact (~12' × 16'): single hitting area, basic enclosure, minimal storage. Tight but functional. Best if budget is the primary constraint.

Mid-range (~14' × 20'): full enclosure, storage, seating, climate control, basic entertainment. The book says this is where most thoughtful builders should aim.

Premium (~16' × 24' or larger): dedicated hitting zone, lounge seating, extensive storage, multiple displays. These rooms feel like a proper space, not a converted shed.

Planning tip from Appendix B: design for how you'll use the room five years from now, not five days from now.

YOUR TARGET WIDTH _____ YOUR TARGET DEPTH _____

YOUR TARGET CEILING HEIGHT _____ YOUR MEASURED CEILING (IF CONVERTING) _____

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Electrical and climate checklists

Appendices C and D

Copied from Appendices C and D. Have a licensed electrician do the electrical work and pull any required permits (Chapter 7).

APPENDIX C — ELECTRICAL PLANNING

- [ ] Dedicated electrical service planned for the shed
- [ ] Adequate breaker capacity — plan for future growth, not just current needs
- [ ] Dedicated 20-amp circuit for simulator equipment (launch monitor, projector, computer)
- [ ] Ceiling outlet planned for projector
- [ ] Dedicated circuit for climate control equipment
- [ ] Network connection planned — ethernet run during construction if possible
- [ ] Wi-Fi coverage verified if ethernet not possible
- [ ] Lighting circuits separate from simulator equipment
- [ ] Charging locations identified and outlets placed accordingly
- [ ] Surge protection planned for equipment
- [ ] Electrical permits reviewed and obtained if required by local jurisdiction

APPENDIX D — CLIMATE CONTROL PLANNING

- [ ] Insulation type and R-value selected for walls (minimum R-15; R-21 preferred in cold climates)
- [ ] Ceiling insulation planned (minimum R-38)
- [ ] Floor insulation considered (rigid foam under slab or floating subfloor)
- [ ] Air sealing planned around all penetrations, windows, and doors
- [ ] Heating system selected
- [ ] Cooling strategy determined
- [ ] Ventilation planned
- [ ] Humidity concerns evaluated for your climate
- [ ] Thermostat location chosen
- [ ] Seasonal operating costs estimated
- [ ] Windows and doors weather-sealed

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Budget worksheet

Appendix E

Appendix E, as printed in the book. The book recommends a 15 percent contingency fund.

BUILDING

Item	Amount
Site Preparation	
Foundation	
Structure	
Roofing	
Doors and Windows	
Insulation	
Interior Finishes	
Electrical	
Heating and Cooling	
Building Subtotal	

SIMULATOR EQUIPMENT

Item	Amount
Launch Monitor	
Projector	
Computer	
Software	
Impact Screen	
Enclosure	
Mat and Turf	
Accessories	
Equipment Subtotal	

FURNISHINGS

Item	Amount
Seating	
Storage	
Television	
Sound System	
Decor	
Furnishings Subtotal	

CONTINGENCY FUND (15% OF TOTAL RECOMMENDED) _____ TOTAL PROJECT COST _____

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Annual maintenance checklist

Appendix F

Appendix F — annual maintenance checklist, for after the room is in use.

MONTHLY

- [ ] Clean hitting area and mat
- [ ] Inspect impact screen for wear
- [ ] Organize equipment and storage
- [ ] Check for software updates

SEASONAL

- [ ] Inspect heating and cooling equipment
- [ ] Check weather sealing on doors and windows
- [ ] Verify lighting operation
- [ ] Clean projector lens and filters if applicable
- [ ] Review storage organization

ANNUAL

- [ ] Deep clean the room
- [ ] Inspect electrical connections
- [ ] Evaluate mat and turf for wear — replace hitting strip if needed
- [ ] Inspect screen for wear
- [ ] Review technology for potential upgrades
- [ ] Assess room improvements for the coming year

These sheets are the working copy. The method, the why, and the full detail stay in Building Your Backyard Golf Simulator.

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