MEMBERS VAULT · BUILD PLAN

Backyard Build Plan

The Backyard Ice Rink — a weekend frame for one person, then a later filling day, taken from the book's own Appendix J.

To be used with The Backyard Ice Rink

These sheets are the working copy of Appendix J: a realistic schedule for one adult building a 20 × 40 rink (Layout 2 in Appendix I) over a fall weekend, with kids helping where they can. It assumes the lumber, rebar, and screws have been delivered, the slope has already been measured, and the ground isn't frozen yet. The liner goes in later, on filling day, when the forecast shows five or more cold days in a row. Read the matching book before you build, follow local codes and any HOA or insurance rules that apply, and treat the sheets as a companion, not a substitute for the book. Start here only if this is the book and the yard you actually have.

WHAT'S IN THIS SET

A short how-to page, a blank sheet you can copy if your rink is not Layout 2, the Before-the-Weekend checklist, four session sheets for Saturday and Sunday, a Filling Day sheet for later, and the Appendix A materials list with the Layout 2 quantities from Appendix I. Those quantities are the book's typical figures for a 20 × 40 rink on about 6 inches of drop. Your own slope and the Appendix D worksheet give the real numbers.

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.

BUILT, NOT JUST WRITTEN.

MEMBERS VAULT · BACKYARD BUILD PLAN

How to use these sheets

Appendix J already broke this project into a weekend, plus a filling day weeks later. I kept that order rather than inventing a different sequence. The sheets are for Layout 2, the 20 × 40 family rink the appendix is written around.

1. Read the matching chapters in *The Backyard Ice Rink* before you start a session. The sheet is a checklist, not the method. Chapter 2 (slope), Chapter 3 (boards and bracing), Chapter 4 (liner and padding), and Chapter 5 (filling) are the main ones.
2. If your rink is not a 20 × 40 on about 6 inches of drop, use the blank master and adjust from Appendix D and Appendix I. Do not force these quantities onto a different size or slope.
3. Finish “Before the Weekend” honestly before Saturday morning. Appendix J assumes the slope is already measured and the materials are already on site.
4. The questions are questions, not a sign-off that the design is approved or that your HOA or insurer has agreed. Those calls are yours (Chapter 11).
5. Do not lay the liner on the fall weekend. Wait for a forecast of five or more cold days in a row, then use the Filling Day sheet.

A NOTE ON THE CALENDAR

The book is honest about weather. Appendix G says the point of the season calendar is the order, not the exact dates, and that you should slide everything to match a winter that starts later or ends earlier. Filling day is “weeks later” on purpose. There is no promised ice-in date on these sheets.

Quantities and sizes on these sheets are the book’s typical figures for a 20 × 40 ft family rink on about 6 inches of drop (Appendix J; Layout 2 in Appendix I; Appendix A). Measure your own slope first (Chapter 2) and adjust with the Appendix D worksheet. Do not treat these numbers as a design for a different size or slope.

These sheets are the working copy. The method, the why, and the full detail stay in The Backyard Ice Rink.

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Blank work-session sheet

Master template — not a design

Master template — copy this page if your rink is not the 20 × 40 Layout 2 Appendix J is written for, or for a work session the book does not already name. Do not invent materials, cuts, measurements, or safety steps. If the book and Appendix D do not give a figure, leave the line blank and go back to them.

PROJECT / LAYOUT (FROM APPENDIX I) _____ SESSION NAME _____

DATE _____ HELPERS _____

WEATHER _____ FROM BOOK CHAPTER / APPENDIX _____

THIS SESSION'S AIM

NOT THIS SESSION

MATERIALS FOR THIS SESSION

Item	Qty (from book or App. D)

TOOLS

Tool

STEPS (IN THE BOOK'S ORDER)

- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____
- [ ] _____

BEFORE YOU START · SITE / RULE QUESTIONS

Write them as questions ("Have you checked local or HOA rules for this step?"). Never as a promise the design is approved.

- [ ] _____
- [ ] _____
- [ ] _____

DONE WHEN _____ NEXT SESSION _____

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — Before the Weekend

Prep · Before Saturday, after the slope is measured

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Get the site and the materials ready so Saturday morning is layout and boards, not a hardware-store run. Appendix J assumes the lumber, rebar, and screws have already been delivered, the slope has already been measured, and the ground isn't frozen yet.

Not this session. Do not start standing boards if the slope is not yet measured and the corner stakes are not in place (Chapter 2). Do not lay the liner this weekend — it goes in later, on filling day.

MATERIALS FOR THIS SESSION

- ☐ Lumber, rebar, screws, and braces delivered and stacked near the rink spot (Appendix J)
- ☐ Liner ordered and on its way — not installed this weekend (Appendix J)
- ☐ Corner stakes already in place from the Chapter 2 measurement

CUTS / LAYOUT

None this session. Cutting the 2×4 braces (about 3 feet long) happens on Sunday morning, from the 8-foot 2×4s in the Layout 2 list.

TOOLS

Cordless drill and a spare battery charged
Sledgehammer or small mallet for the rebar
Two sawhorses or buckets to rest boards on
String, line level, tape measure, and a marker
Work gloves for you and the kids

BEFORE YOU START

- ☐ Review the Important Safety Notice at the front of The Backyard Ice Rink before you start.
- ☐ Building and using a backyard rink involves tools, water, ice, cold weather, and electricity, all of which carry risk. Use your own judgment, follow manufacturer instructions, and follow local codes and rules.
- ☐ Work gloves for you and the kids (Appendix J).

STEPS — IN THE BOOK'S ORDER

1. Measure the slope and set the corner stakes (Chapter 2). Appendix J starts only after this is done.
2. Fill in the calculator worksheet (Appendix D): board height, liner size, and gallons.
3. Have the lumber, rebar, screws, and braces delivered and stacked near the rink spot.
4. Charge the cordless drill and a spare battery.
5. Gather a sledgehammer or small mallet, two sawhorses or buckets, string, a line level, a tape measure, a marker, and work gloves for you and the kids.
6. Order the liner early enough that it is on its way. Good rink liners often sell out by December (Appendix G).

SITE / RULE QUESTIONS

- ☐ Have you read your HOA rules, if you have them, and called your insurance company (Chapter 11; Appendix G)?
- ☐ Have you checked any local rules that apply to a backyard rink on your property?
- ☐ Is the ground still unfrozen, so stakes and rebar can go in easily (Appendix G, Late Fall)?

Done when. Slope is measured, corner stakes are in, the Appendix D worksheet is filled in, materials are stacked by the rink spot, tools are ready, and the liner is on its way.
Next session. Saturday Morning — Lay Out and Set the Shallow End

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — Lay Out and Set the Shallow End

Sat AM · Saturday morning

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Square the rink on the string lines, lay the boards out, and stand the shallow end — including both shallow-end corners — so the rest of the weekend has a square starting wall.

Not this session. Do not work down the long sides or start the deep end this morning. Do not lay the liner.

MATERIALS FOR THIS SESSION

- ☐ 2×10 boards for the shallow end and first joints (Layout 2 uses 10-ft 2×10s)
- ☐ Splice blocks for board joints (scrap 2×4 or plywood; Layout 2 lists 12)
- ☐ Rebar stakes, ½ inch × 24 to 36 inches, tapped just snug for now, every 3½ feet on the shallow end (Appendix J; Layout 2)
- ☐ Exterior screws, 2½ to 3 inches (Appendix A)

CUTS / LAYOUT

No new cuts this morning. Stand the 2×10s on edge along the string and splice them as they lie.

TOOLS

String between the corner stakes
Tape measure (both diagonals)
Buckets or sawhorses to rest a board end
Cordless drill
Sledgehammer or small mallet

BEFORE YOU START

- ☐ Review the Important Safety Notice at the front of the book.
- ☐ Watch fingers and feet when standing boards and driving rebar. Use work gloves.
- ☐ Tap stakes just snug for now — you'll add and tighten as the sides and deep end go up.

STEPS — IN THE BOOK'S ORDER

1. 8:30. Run string between your corner stakes. Measure both diagonals; adjust the corners until they match, so the rink is square.
2. 9:15. Carry the boards out and lay each one along the string line where it will go, best face toward the inside. Kids can help carry the shorter pieces and count boards.
3. 10:00. Start at the shallow end. Stand the first 2×10 on edge along the string, rest the far end on a bucket, and screw a splice block across the joint to the next board. Tap in a rebar stake on the outside every 3½ feet, just snug for now.
4. 11:00. Set the two shallow-end corners. Overlap the boards, drive three screws through each corner, and stake both sides of every corner.
5. 12:00. Lunch. Look at what you've built from the kitchen window.

SITE / RULE QUESTIONS

- ☐ Do both diagonals match, so the rink is square, before you start standing boards?
- ☐ Are the boards' best faces toward the inside?

Done when. The rink is squared on the strings, boards are laid out, the shallow end is standing with spliced joints, and both shallow-end corners are screwed and staked on both sides.
Next session. Saturday Afternoon — The Long Sides

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — The Long Sides

Sat PM · Saturday afternoon

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Work down each long side from the shallow end toward the deep end, and stack the 2×6s on the deep half of each side. Stop while there's still light, and pick up screws and scraps so nothing ends up under the liner later.

Not this session. Do not build the deep-end wall this afternoon. Do not lay the liner.

MATERIALS FOR THIS SESSION

- [ ] Remaining 2×10s for the long sides (Layout 2: the two boards on each side nearest the shallow end are single 2×10s; the two nearest the deep end get a stacked 2×6)
- [ ] 2×6 boards, 10 ft, stacked on the deep half (Layout 2 lists 6 for the whole rink)
- [ ] Plywood or 2×4 cleats to join stacked boards across the outside of the seam, every few feet (Layout 2 lists 12–14)
- [ ] Splice blocks and rebar stakes as you go

CUTS / LAYOUT

No new named cuts this afternoon. A helper can hold the 2×6, or rest it on a couple of scrap blocks, while you drive the screws.

TOOLS

String and line level, checked against your Appendix D worksheet numbers
Cordless drill
Sledgehammer or small mallet

BEFORE YOU START

- [ ] Review the Important Safety Notice at the front of the book.
- [ ] Pick up every screw and scrap before you quit — leftovers under the liner can puncture it later (Appendix J).
- [ ] Stop while there's still light rather than rushing the deep end in the dark.

STEPS — IN THE BOOK'S ORDER

1. 1:00. Work down each long side from the shallow end toward the deep end, two boards at a time. Check the height at each joint with the string and line level against your worksheet numbers.
2. 3:00. On the deep half of each side, add the 2×6 on top of the 2×10. Screw a plywood or 2×4 cleat across the outside of the seam every few feet. A helper can hold the 2×6 in place while you drive the screws, or rest it on a couple of scrap blocks.
3. 4:30. Stop while there's still light. Pick up screws and scraps so nothing ends up under the liner.

SITE / RULE QUESTIONS

- [ ] Have you checked the height at each joint against your Appendix D worksheet numbers?
- [ ] Are the stacked 2×6s only on the deep half of each side, as Layout 2 describes?

Done when. Both long sides are up, the deep-half 2×6s are stacked and cleated, heights have been checked against the worksheet, and the yard is picked up.
Next session. Sunday Morning — The Deep End

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — The Deep End

Sun AM · Sunday morning

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Build the deep end the same way as the stacked sides — 2×10s with 2×6s on top, joined with cleats, screwed firmly at both corners — then add the closer stakes and the angled 2×4 braces the book calls for on the deep end.

Not this session. Do not skip the closer staking or the braces. Do not lay the liner this morning.

MATERIALS FOR THIS SESSION

- [ ] 2×10s with 2×6s stacked on top for the deep end (Layout 2: both boards across the deep end are stacked)
- [ ] Cleats and exterior screws
- [ ] Rebar stakes every 2 feet along the deep end and the deep half of the sides (Appendix J; Layout 2)
- [ ] 2×4s for angled braces: Layout 2 lists 4–5 pieces of 8-ft 2×4, cut into about 3-ft braces, one every 4 feet along the deep end

CUTS / LAYOUT

Cut 2×4 braces about 3 feet long, from the 8-foot 2×4s in the Layout 2 list (Appendix J).

TOOLS

Saw for the 3-foot braces
Cordless drill
Sledgehammer or small mallet

BEFORE YOU START

- [ ] Review the Important Safety Notice at the front of the book.
- [ ] Brace the deep end more than you think you need (Appendix G).
- [ ] Watch the cut ends of the 2×4 braces and the tops of the rebar while you work.

STEPS — IN THE BOOK'S ORDER

1. 9:00. Build the deep end the same way: 2×10s with 2×6s stacked on top, joined with cleats, and screwed firmly at both corners.
2. 10:30. Add stakes every 2 feet along the deep end and the deep half of the sides.
3. 11:30. Cut 2×4 braces about 3 feet long. Screw each one to the back of a board near the top and run it down at roughly 45 degrees to a rebar stake or a wood stake driven into the ground. Put one every 4 feet along the deep end.

SITE / RULE QUESTIONS

- [ ] Are both deep-end corners screwed firmly, and both boards across the deep end stacked?
- [ ] Are stakes every 2 feet on the deep end and the deep half of the sides, as Appendix J describes?
- [ ] Is there a 2×4 brace every 4 feet along the deep end?

Done when. The deep end is stacked, cleated, and corner-screwed; close stakes are in on the deep end and deep-half sides; and angled braces stand every 4 feet along the deep end.
Next session. Sunday Afternoon — Check, Pad, and Protect

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — Check, Pad, and Protect

Sun PM · Sunday afternoon

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Walk the whole rink, add a stake or brace anywhere that moves, fill gaps under the boards, cover sharp spots, cap the tops, and leave the inside clean so the liner has a safe place to wait until filling day.

Not this session. Do not lay the liner or fill the rink this afternoon. The liner goes in later, when the forecast shows five or more cold days in a row.

MATERIALS FOR THIS SESSION

- [ ] Extra rebar or wood stakes and leftover 2×4 for any spot that still moves
- [ ] Soil or sod to fill gaps under the boards
- [ ] Duct tape or a strip of scrap wood for screw tips and splinters
- [ ] Split pool noodles or foam pipe insulation, plus zip ties or tape, to cap the tops of the boards (Appendix A, Appendix J)

CUTS / LAYOUT

Only if a last brace or a scrap cover strip is needed. No new named cut list.

TOOLS

Work gloves
Mower or rake for the last pass inside the frame

BEFORE YOU START

- [ ] Cover screw tips and splinters on the inside before anyone leans on or steps near the boards (Appendix J).
- [ ] Cap the board tops so they are less of a hazard (Chapter 4; Appendix J).
- [ ] Pick up every stick, stone, and pinecone inside the frame so they cannot puncture the liner later.

STEPS — IN THE BOOK'S ORDER

1. 1:00. Walk the whole rink and push on the top of every board. Add a stake or brace anywhere that moves.
2. 2:00. Fill any gaps under the boards with soil or sod so the liner can't sag into them later.
3. 2:30. Run your hand along the inside of every board. Cover screw tips and splinters with duct tape or a strip of scrap wood. Kids are good at finding sharp spots.
4. 3:00. Cap the tops of the boards with split pool noodles or foam pipe insulation, held on with a few zip ties or tape.
5. 3:30. Mow or rake the inside one last time and pick up every stick, stone, and pinecone.
6. 4:00. Done. Take a picture of the kids standing inside the empty frame. Then put the liner, clamps, hose, and resurfacer parts where you can find them on filling day.

SITE / RULE QUESTIONS

- [ ] Did you push on the top of every board and add a stake or brace anywhere that moved?
- [ ] Are gaps under the boards filled, and is every sharp spot on the inside covered?

Done when. The frame doesn't move when you push it, gaps are filled, insides are padded, tops are capped, the interior is clean, and the filling-day gear is stored where you'll find it.
Next session. Filling Day — weeks later, when the forecast shows five or more cold days in a row

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Session — Filling Day (Weeks Later)

Fill · When the forecast shows five or more cold days in a row

DATE _____ HELPERS _____ WEATHER _____

THIS SESSION'S AIM

Lay the liner on a calm day right before filling, fill at the start of a cold stretch, and start the first-week ice schedule. This is not part of the fall weekend. Appendix J puts it weeks later, on purpose.

Not this session. Do not lay the liner until you see a cold stretch coming (Appendix G). Do not skate the first several days. Follow Appendix C and do the walking test in Chapter 6 before the first skate.

MATERIALS FOR THIS SESSION

- [ ] Single-sheet white or clear liner, 6 mil or heavier, sized with Appendix D (about 25 × 45 ft for the 20 × 40 example in Appendix A)
- [ ] Spring clamps or liner clips
- [ ] Rubber garden hose long enough to reach the far end
- [ ] Indoor tap adapter if outdoor taps are shut off (Appendix A)

CUTS / LAYOUT

None. Use the rolling method in Chapter 4; don't cut a replacement liner from a guess.

TOOLS

Hose, clamps, and a ruler or marked stick for checking water depth (Appendix A)

BEFORE YOU START

- [ ] Review the Important Safety Notice: water, ice, and cold weather all carry risk.
- [ ] Watch the deep-end boards as the water rises (Appendix J).
- [ ] Never leave young children unsupervised near a rink, especially later when it is melting and holds standing water (Important Safety Notice).
- [ ] Stay off it for the first several days. Follow Appendix C and do the walking test before the first skate (Chapter 6).

STEPS — IN THE BOOK'S ORDER

1. Clear any snow or debris from inside the frame.
2. Lay the liner using the rolling method, in socks (Chapter 4).
3. Clip it loosely over the boards.
4. Start the hose at the deep end and fill to about 4 inches at the shallow end (Chapter 5).
5. Watch the deep-end boards as the water rises.
6. Drain the hose and bring it inside.
7. Start the first-week schedule (Appendix C).

SITE / RULE QUESTIONS

- [ ] Does the forecast actually show five or more cold days in a row, not a single cold night?
- [ ] If outdoor taps will be shut off, is an indoor tap and adapter ready (Appendix G)?
- [ ] If you're on a well, have you planned to fill in sessions (Appendix G)?

Done when. The liner is in, the water is at about 4 inches at the shallow end, the hose is drained and inside, the deep-end boards have been watched as the water rose, and the first-week schedule has been started.
Next session. Follow Appendix C, then the Deep Winter notes in Appendix G. These weekend sheets end here.

LEFTOVER MATERIALS _____ DATE FINISHED _____

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Materials and cut list

Appendix A and Layout 2 in Appendix I — typical 20 × 40 figures

Quantities and sizes on these sheets are the book's typical figures for a 20 × 40 ft family rink on about 6 inches of drop (Appendix J; Layout 2 in Appendix I; Appendix A). Measure your own slope first (Chapter 2) and adjust with the Appendix D worksheet. Do not treat these numbers as a design for a different size or slope. A 2×10 is actually 9¼ inches tall and a 2×6 is 5½ inches, so a 2×10 with a 2×6 stacked on top gives you about 14¾ inches (Appendix I).

LAYOUT 2 SHOPPING LIST — 20 × 40 FT FAMILY RINK, 6-INCH DROP (APPENDIX I)

Item	Quantity (from the book)
2×10 boards, 10 ft	12, plus 1 spare
2×6 boards, 10 ft (stacked on the deep half)	6
Plywood or 2×4 cleats to join stacked boards	12–14
Splice blocks for board joints	12
Rebar stakes, ½ inch × 24–36 inches	about 50
2×4s for angled braces on the deep end, 8 ft	4–5 (cut into 3-ft braces)
Exterior screws, 3 inch	2 boxes
Liner (tallest board about 15 inches)	about 25 × 45 ft
Water at 4 inches shallow, 10 inches deep	about 3,500 gallons

Build notes from Appendix I: set the shallow end first. The two boards on each side nearest the shallow end are single 2×10s. The two boards nearest the deep end, and both boards across the deep end, get a 2×6 stacked on top, joined with cleats screwed across the seam on the outside. Add angled 2×4 braces every 4 feet along the deep end, in addition to the stakes. Stake counts assume one about every 3½ feet on the shallow sides and every 2 feet where the boards are stacked. Quantities include a little extra for mistakes and repairs.

APPENDIX A — THE REST OF THE TYPICAL 20 × 40 LIST

LINER AND PROTECTION

- [ ] Single-sheet white or clear liner, 6 mil or heavier, sized with Appendix D (about 25 × 45 ft for this example)
- [ ] Spring clamps or liner clips
- [ ] Pool noodles or foam pipe insulation to cap board tops
- [ ] Kick plates (optional)
- [ ] Liner repair tape or patch kit

WATER

- [ ] Rubber garden hose, long enough to reach the far end of the rink
- [ ] Indoor tap adapter (laundry sink or utility tap), if outdoor taps are shut off
- [ ] A 5-gallon bucket for timing your hose flow and for repairs
- [ ] Ruler or marked stick for checking water depth

MAINTENANCE TOOLS

- [ ] Wide plastic pusher shovel
- [ ] Regular snow shovel
- [ ] Long-handled ice or floor scraper
- [ ] Homemade or purchased resurfacer
- [ ] Watering can for spot repairs
- [ ] Snowblower with plastic paddles (optional)

SAFETY (APPENDIX A)

- [ ] Helmets for every child skater
- [ ] Rink rules sign
- [ ] First aid kit nearby
- [ ] Fire extinguisher if you'll use a propane torch

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.

MEMBERS VAULT · BACKYARD BUILD PLAN

Materials and cut list, continued

Optional gear, slope adjustments, and your own Appendix D numbers

LIGHTS (OPTIONAL) — APPENDIX A

- [ ] Outdoor-rated LED string lights or floodlights
- [ ] Outdoor, cold-rated extension cords
- [ ] GFCI-protected outlet or portable GFCI adapter
- [ ] Weatherproof covers for cord connections

END OF SEASON — APPENDIX A

- [ ] Submersible utility pump and discharge hose
- [ ] Storage bags or bins for brackets and hardware
- [ ] Marker for numbering boards

IF YOUR SLOPE IS NOT 6 INCHES — APPENDIX I, AS A ROUGH GUIDE

Less than 2 inches of drop: single 2×10s all the way around.

2 to 6 inches: stack 2×6s on the deep half, as in Layouts 2 and 3.

6 to 10 inches: stack 2×10s on the deep half, giving about 18½ inches, and add angled braces every 3 feet on the deep end.

10 to 12 inches: use ¾-inch plywood ripped to the height you need (about 20 inches) along the deep end, braced every 2 to 3 feet.

More than 12 inches: the book says consider building up the low end with packed snow or soil, moving the rink, or making it smaller. If you go ahead, use plywood ripped to height on the deep end, braced every 2 feet.

Recalculate the deep-end board height with the worksheet in Appendix D. These are the book's rough guide, not a substitute for your own measurement.

SAFETY TO KEEP IN VIEW (FROM THE BOOK, NOT THIS SHEET)

Always use GFCI-protected power for lights and equipment near the rink. Never leave young children unsupervised near a rink, especially when it is melting and holds standing water. Skaters, especially children, should wear helmets — a hockey or ski helmet is best; a bike helmet is better than nothing (Important Safety Notice; Chapter 11).

YOUR MEASURED DROP (CHAPTER 2) _____ BOARD HEIGHT FROM APPENDIX D _____

LINER SIZE FROM APPENDIX D _____ ESTIMATED GALLONS FROM APPENDIX D _____

These sheets are the working copy. The method, the why, and the full detail stay in The Backyard Ice Rink.

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.