



Outdoor Living

CONNECTION

CANYON LEVEL RAILING | ASSEMBLY INSTRUCTIONS



**WATCH OUR
DETAILED HOW-
TO INSTRUCTION
VIDEOS**

CANYON RAILING INSTALLATION GUIDE

Assemble in a Weekend - Admire For a Lifetime.

At Outdoor Living Connection, our aluminum railing systems are engineered for strength, durability, and long-lasting performance. Our precision manufacturing process delivers structural integrity you can count on—without the hassle of ongoing maintenance.

This installation guide is designed to make your setup simple and straightforward. If you have any questions along the way, our customer support team is here to help.

Give us a call at 224-238-2400 or email us at help@outdoorlivingconnection.com.

Thank you for choosing Outdoor Living Connection—where simple meets sleek.



CANYON LEVEL RAILING TIPS

- 1. Cutting Aluminum Components:** A chop saw with a fine tooth carbide tipped blade is recommended for cutting aluminum components. Cut slowly and carefully, and always follow appropriate safety precautions, including wearing eye, hearing, and hand protection.
- 2. Double-Check Before Cutting:** If your installation requires rails to be cut to fit, always measure twice and cut once to ensure accuracy.
- 3. Use Only Provided Fasteners:** All necessary fasteners are included in your OLC railing kit. Do not substitute or overtighten screws, as this may compromise structural integrity or void your warranty.
- 4. Required Driver Bit:** Screws included with the kit require a #2 square drive bit (not included). Please ensure you have the correct driver before beginning installation.
- 5. Standard Rail Lengths:** OLC aluminum railing kits come in standard lengths of 46.811", 70.787", and 94.803". Please confirm your rail length before installation begins.

Important Installer Responsibilities – Outdoor Living Connection

It is the sole responsibility of the installer to ensure that all railing installations comply with local building codes, regulations, and safety standards. The installer is also responsible for securing any required building permits prior to installation.

Outdoor Living Connection's Canyon Collection - All-Aluminum Level Baluster Railing Sections –8 feet and under– along with our standard residential posts - 39 inches - are designed to meet the International Residential Code (IRC). However, the installer and/or purchaser should consult with a licensed professional engineer to confirm that the selected railing system is suitable and compliant for the specific project and application.

Outdoor Living Connection is not liable for improper or unsafe installations resulting from failure to follow code requirements or site-specific needs.

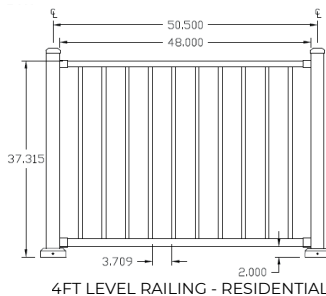
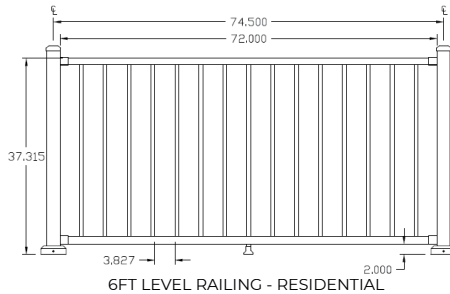
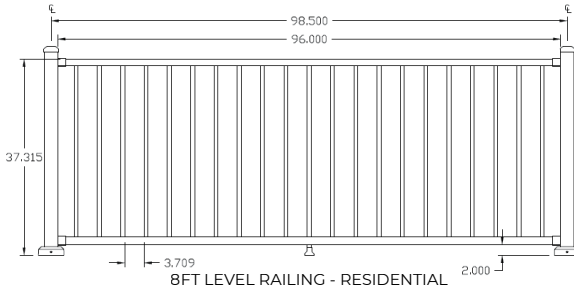
Warranty coverage is contingent upon proper installation. Failure to install this product in accordance with Outdoor Living Connection's installation guidelines and applicable building codes will result in the voiding of all warranty protections.

These installation guidelines provide a general framework and may not account for all job site conditions. We strongly recommend reviewing the full set of instructions before beginning installation. Depending on the layout and environment, the installer may need to make appropriate adjustments to ensure safety and compliance.

Outdoor Living Connection railings have been tested by Intertek, Inc and are verified to meet the 2016 IRC Construction Code Standards.

CANYON LEVEL RAILING MEASUREMENTS

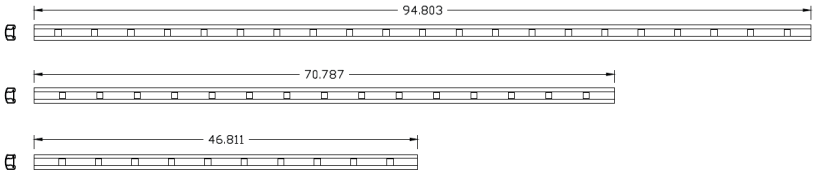
RAILING LENGTH	CENTER POST TO CENTER POST SPACING	INSIDE POST TO INSIDE POST SPACING
8 FEET	98 ½ INCHES	96 INCHES
6 FEET	74 ½ INCHES	72 INCHES
4 FEET	50 ½ INCHES	48 INCHES



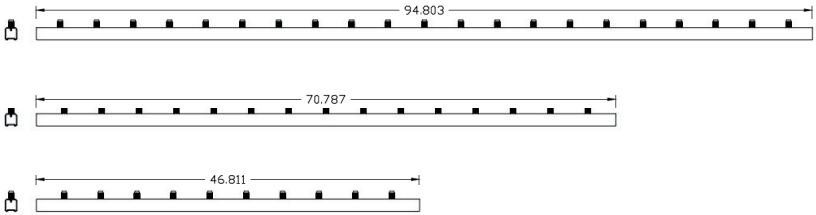
CANYON LEVEL RAILING MEASUREMENTS

RAILING LENGTH	TOP AND BOTTOM RAILING LENGTHS
8 FEET	94.803"
6 FEET	70.787"
4 FEET	46.811"

TOP RAIL

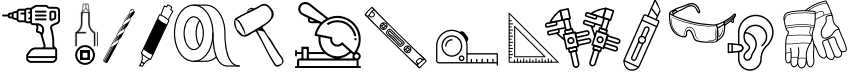


BOTTOM RAIL



RECOMMENDED TOOLS

TOOLS AND HARDWARE **NOT** INCLUDED IN KIT



- POWER DRILL
- #2 SQUARE DRIVER FOR FASTENERS INCLUDED IN KIT
- 9/64" DRILL BIT NEEDED TO PRE-DRILL HOLES TO SECURE POST SKIRT
- CHALK MARKER OR PENCIL
- PAINTER'S TAPE
- RUBBER MALLET
- CHOP SAW WITH FINE TOOTH CARBIDE TIPPED BLADE
- LEVEL
- TAPE MEASURE
- SPEED SQUARE
- RATCHETING CLAMPS
- UTILITY KNIFE
- PROPER EYE, HEARING, AND HAND PROTECTION

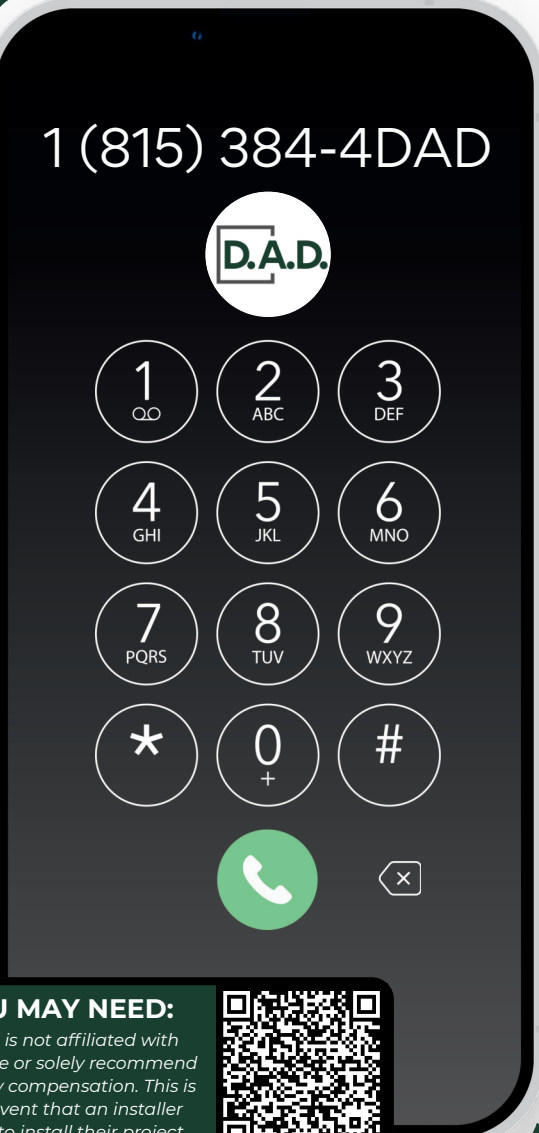
INCLUDED COMPONENTS IN YOUR KIT | CANYON LEVEL RAIL

ITEM #	DESCRIPTION	4FT QTY	6FT QTY	8FT QTY
1	TOP LEVEL RAIL SADDLE BRACKET	2	2	2
2	BOTTOM LEVEL RAIL SADDLE BRACKET	2	2	2
3	#8 3/4" PAN HEAD SCREW	15	15	15
4	TOP RAIL	1	1	1
5	BOTTOM LEVEL RAIL	1	1	1
6	BALUSTERS	10	15	21
7	FOOT BLOCK CONNECTOR	0	1	1
8	#8 3/4" FLAT HEAD SCREW	15	15	15
9	BALUSTER LEVEL RAIL INSERT	1	1	1
10	MID-RAIL BALUSTER SUPPORT PIECE	0	1	1
11	MID-RAIL BALUSTER FOOT	0	1	1
12	TOP LEVEL RAIL SADDLE CAP	2	2	2
13	BOTTOM LEVEL RAIL SADDLE CAP	2	2	2
14	BALUSTER ASSIST TEMPLATE	1	1	1
15	BRACKET TEMPLATE FOR POST	1	1	1

NEED HELP? | JUST CALL A


Our **Designated Assembly Directors**, or as we like to call them, **D.A.D.s**, are here to help with your Outdoor Living Connection Project!

Give our **D.A.D. Helpline** a call and finish your project the right way the first time (as our D.A.D.s always say).



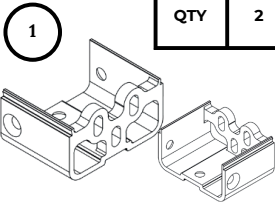
LINK TO TOOLS YOU MAY NEED:

Outdoor Living Connection, LLC. is not affiliated with Home Depot and does not endorse or solely recommend any of their products for monetary compensation. This is only meant to be helpful in the event that an installer does not have the tools required to install their project.



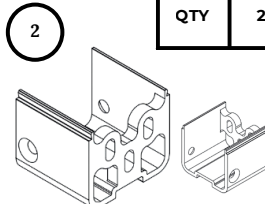
VISUAL PARTS LIST

TOP LEVEL RAIL SADDLE BRACKET



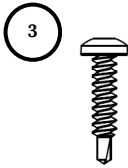
QTY 2

BOTTOM LEVEL RAIL SADDLE BRACKET



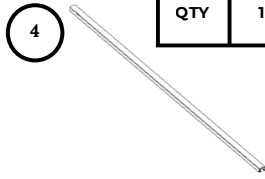
QTY 2

#8 3/4" PAN HEAD SCREW



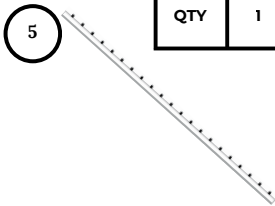
QTY 15

TOP RAIL



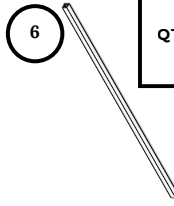
QTY 1

BOTTOM LEVEL RAIL



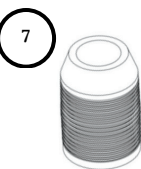
QTY 1

BALUSTERS



QTY 10-4ft
15-6ft
21-8ft

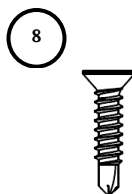
FOOT BLOCK CONNECTOR



QTY 1

*ONLY USED FOR 6 FT & 8 FT RAILING KITS

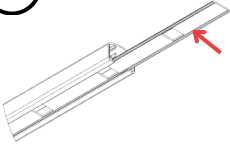
#8 3/4" FLAT HEAD SCREW




QTY 15

VISUAL PARTS LIST

BALUSTER LEVEL RAIL INSERT

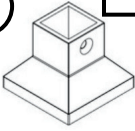
9	QTY	1
		

MID-RAIL BALUSTER SUPPORT PIECE

10	QTY	1
		

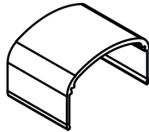
*ONLY USED FOR 6 FT & 8 FT RAILING KITS

MID-RAIL BALUSTER FOOT

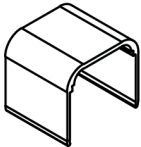
11	QTY	1
		

*ONLY USED FOR 6 FT & 8 FT RAILING KITS

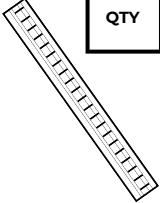
TOP LEVEL RAIL SADDLE CAP

12	QTY	2
		

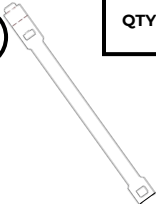
BOTTOM LEVEL RAIL SADDLE CAP

13	QTY	2
		

BALUSTER ASSIST TEMPLATE

14	QTY	1
		

BRACKET TEMPLATE FOR POST

15	QTY	1
		

BEFORE YOU BEGIN



Make sure you have proper safety equipment, your instructions, and have checked all applicable building codes and permit requirements prior to starting your build.

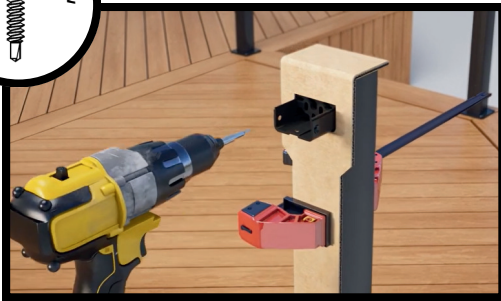
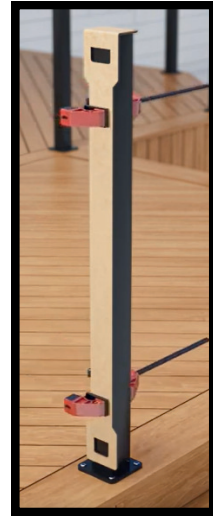
LEVEL RAIL INSTALLATION

STEP 1

Once the posts are in place, begin installing the brackets. Each post comes with a bracket cardboard template that fits over the post and folds on top to keep the template in place. We recommend clamping the template in place to secure it while installing the brackets.

STEP 2

Insert the top bracket into the space on the template and secure with the #8 3/4" Pan Head Screws. Do the same with the bottom bracket. Continue to install the brackets on the posts.

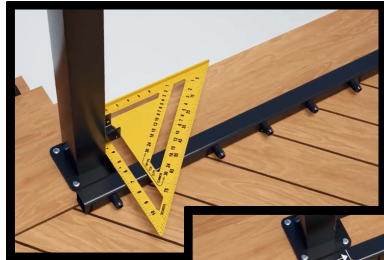


HELPFUL TIP

All the provided screws are self-tapping, but can be pre-drilled with a 9/64 inch drill bit if you prefer.

STEP 3

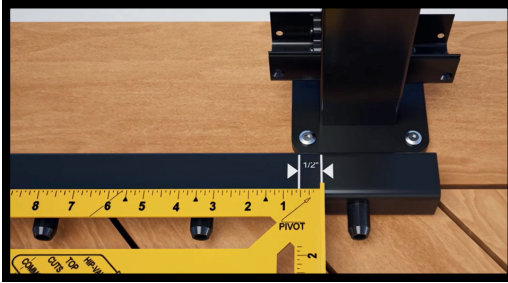
To install the railing, start by laying the bottom railing beside the posts that it will be installed between. Center the railing between the posts and mark the ends (verifying that the distance from the end of the railing is the same on both sides) to ensure that the railing is centered between the posts.



LEVEL RAIL INSTALLATION

STEP 4

Once you have made sure your railing is centered, measure back $\frac{1}{2}$ of an inch and mark another line (the direction of the line should be away from the post). Do the same on both sides. **This will be your cut line.**



STEP 5

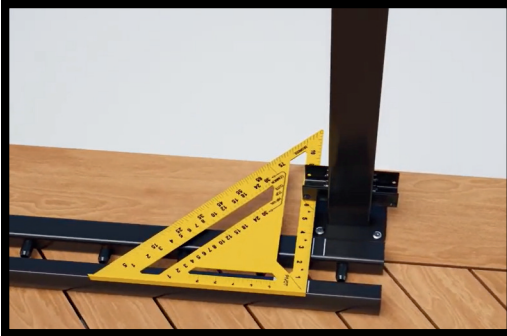
Now lay the top rail beside the bottom rail and line up the two railings. The top rail already has the baluster rail insert installed. Make sure that this insert is flush with the end of the railing before making any marks. You can secure the top rail and baluster rail insert with some painter's tape so that they do not move during the installation process.



LEVEL RAIL INSTALLATION

STEP 6

Use a square to mark the cut line on the top rail. Do this at each end and then cut the top and bottom rail on the marks. Use a chop saw with a fine tooth carbide tipped blade for easy cutting.



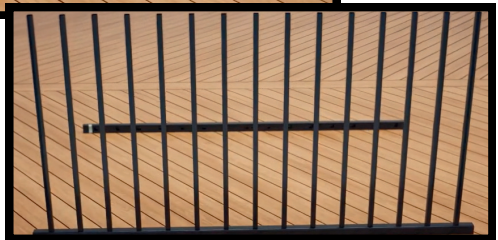
STEP 7

Turn the bottom rail up and insert the balusters into the bottom rail by pressing them down onto the baluster holders. Press them fully into the connector.



HELPFUL TIP

It is recommended to clamp the rail down to the surface to hold it in place. If you are clamping to a finished deck, use some cardboard or a blanket to prevent any scratching or damage.



LEVEL RAIL INSTALLATION

STEP 8

Locate your baluster assist cardboard template and lower it onto the balusters. This will help hold the balusters straight while you lower down the top rail onto the balusters.



STEP 9

Lower the top railing onto the balusters and secure the top railing with a rubber mallet. Once secure, you can cut away the template and discard.



LEVEL RAIL INSTALLATION

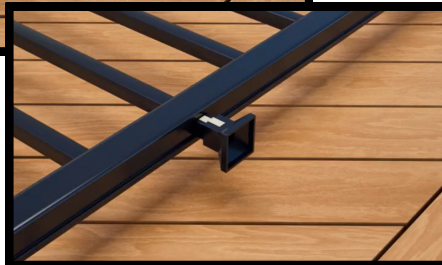
STEP 10

All rail sections larger than 4 feet come with an additional center support that needs to be installed onto the bottom rail. Locate the pre-drilled hole in the bottom of the 6ft or 8ft bottom rail. Using the #8 3/4" Pan Head Screw included in your kit, attach the plastic connector to the bottom rail.



STEP 11

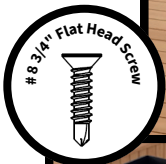
Connect the 1.5" support baluster to the connector. This support baluster should be flush with the bottom rail. Then, press the support footblock onto the 1.5" support baluster (ensure the screw hole on the footblock is facing in a direction that is accessible to you). Do not screw it in yet. Instead, secure it with painter's tape.



LEVEL RAIL INSTALLATION

STEP 12

Stand the railing up and place it into the brackets (that are already mounted to the posts) and secure the top rail with the provided #8 3/4" Flat Head Screws (one on each side and one underneath). Move on to the bottom rail and repeat this process (note that this rail needs one screw on each side).



STEP 13

Remove the painter's tape from the bottom support footblock and secure it with the provided #8 3/4" Flat Head Screw.



LEVEL RAIL INSTALLATION

STEP 14

Once you have finished installing all of your rails following these instructions, install the saddle bracket caps by snapping them into place. This may require you to use a rubber mallet.



STEP 15

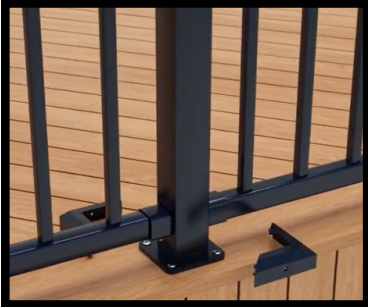
The post cap is installed by snapping it into place and using a rubber mallet if necessary.



LEVEL RAIL INSTALLATION

STEP 16

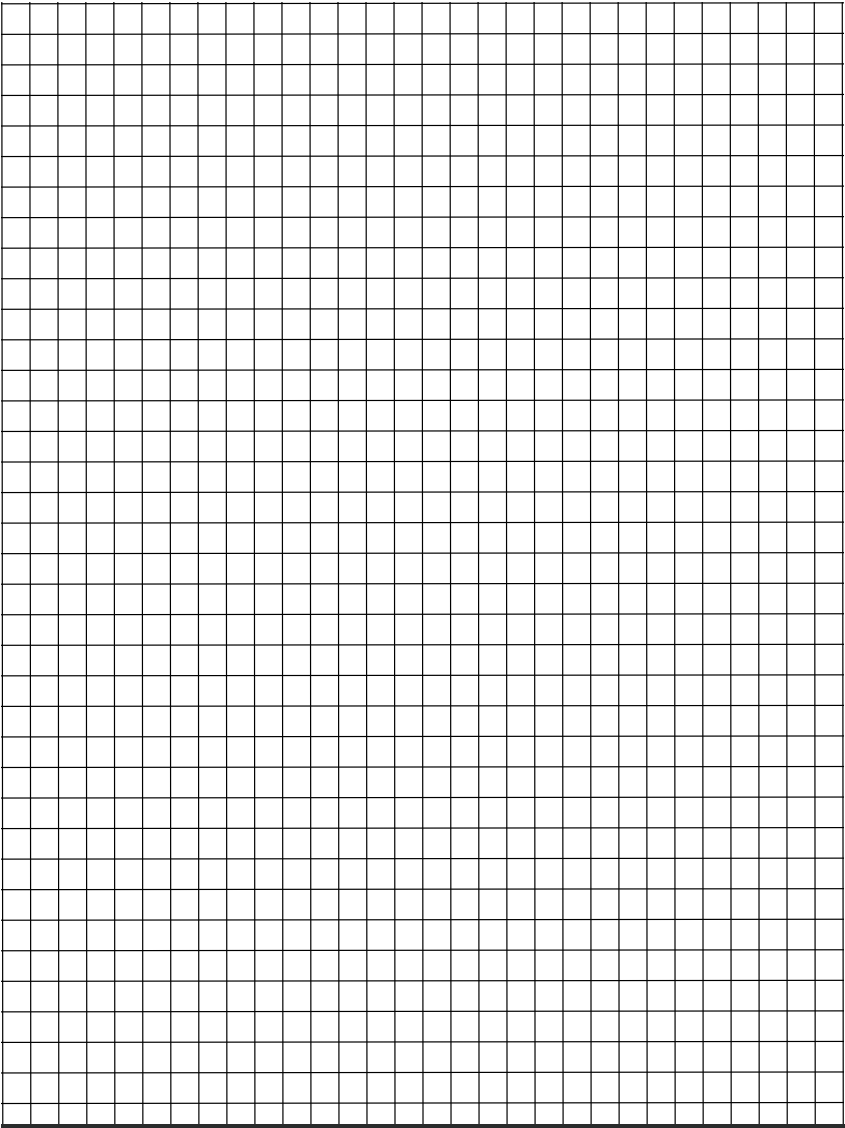
Install the post base skirt by sliding the two halves together and securing with the provided #8 2" Flat Head Screws - these items were included in your post kit. You may need to pre-drill holes for the post skirts with a 9/64" drill bit.



ALL DONE

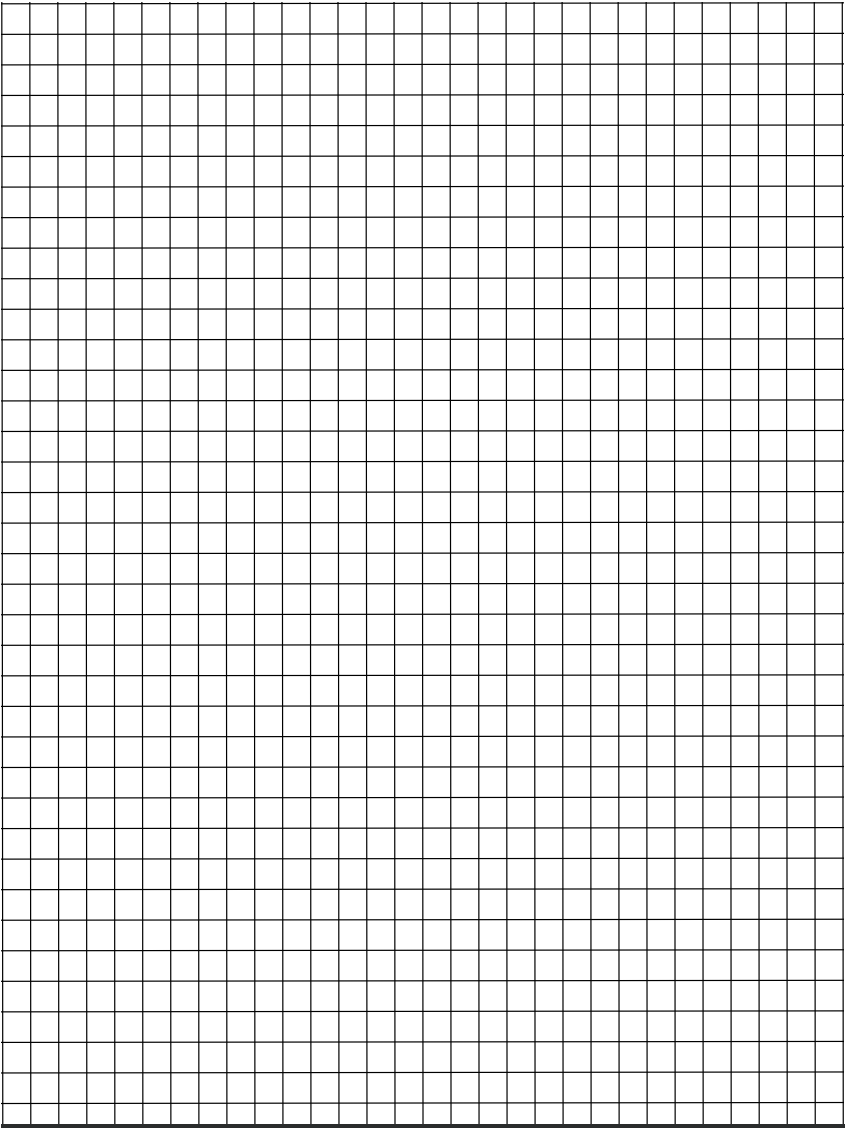
Stand back and admire your finished project!





YOUR BACKYARD BLUEPRINT





YOUR BACKYARD BLUEPRINT





Outdoor Living
C O N N E C T I O N



Proudly Made in the USA