



Outdoor Living CONNECTION

CANYON LEVEL RAILING | ASSEMBLY INSTRUCTIONS



**WATCH OUR
POST AND RAILING
INSTALLATION VIDEO
FOR MORE DETAILED
INSTRUCTIONS**

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 INSTALLATION TIPS

1. **Cutting Aluminum Components:** A miter saw with a high-tooth-count carbide 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.

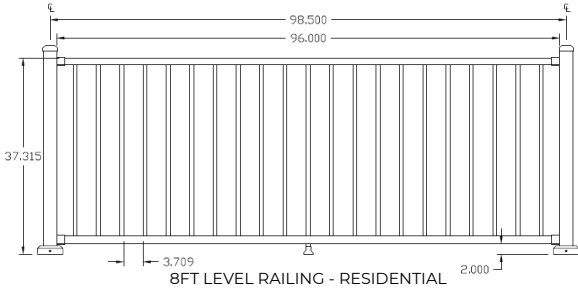
Warranty coverage is contingent upon proper installation. Failure to install this product in accordance with Outdoor Living Connection's installation guidelines and applicable building codes will result in the voiding of all warranty protections.

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.

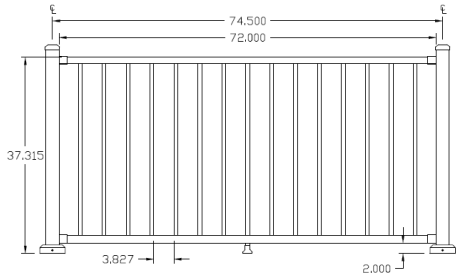
Outdoor Living Connection railings have been tested by Intertek, Inc and are verified to meet the 2016 IRC Construction Code Standards.

CANYON LEVEL RAILING INSTALLATION MEASUREMENTS

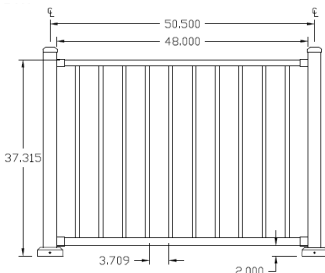
RAILING LENGTH	CENTER POST TO CENTER POST SPACING	INSIDE POST TO INSIDE POST SPACING
8 FEET	98 ½ INCHES	96 INCHES
6 FEET	74 ½ INCHES	72 INCHES
4 FEET	50 ½ INCHES	48 INCHES



8FT LEVEL RAILING - RESIDENTIAL



6FT LEVEL RAILING - RESIDENTIAL

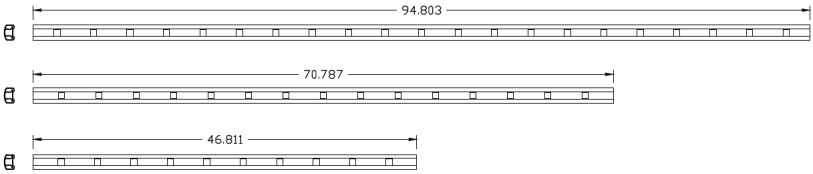


4FT LEVEL RAILING - RESIDENTIAL

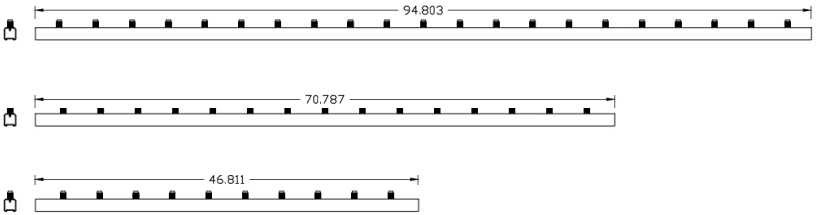
CANYON LEVEL RAILING MEASUREMENTS

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
- PAINTER'S TAPE
- RUBBER Mallet
- MITER SAW WITH HIGH-TOOTH-COUNT CARBIDE BLADE
- LEVEL
- TAPE MEASURE
- SPEED SQUARE
- RATCHETING CLAMP
- PROPER EYE, HEARING, AND HAND PROTECTION

Included Components in Your Kit | Canyon Stair Rail

Item #	Description	4ft QTY	6ft QTY	8ft QTY
1	Hinge Base	4	4	4
2	#8 Flat Head Countersunk Screw 3/4"	30	30	30
3	Top Rail Saddle 1.58"	2	2	2
4	Top Rail Saddle Backer	2	2	2
5	Bottom Rail Saddle 1.58"	2	2	2
6	Bottom Rail Saddle Backer	2	2	2
7	Single Hinge	4	4	4
8	#8 Pan Head Screw 3/4"	15	15	15
9	Hinge Pin	4	4	4
10	1/4-20 Set Screw	4	4	4
11	Top Rail	1	1	1
12	Bottom Rail	1	1	1
13	Baluster - 33.688"	9	13	18
14	Baluster Rail Insert - Solid	1	1	1
15	Baluster Rail Insert - W/Holes	1	1	1
16	Top Rail Saddle Cap	2	2	2
17	Bottom Rail Saddle Cap	2	2	2

IF YOU FEEL YOU ARE MISSING ANY COMPONENTS TO YOUR KIT, STOP AND REACH OUT TO OUR CUSTOMER SERVICE DEPARTMENT TO ASSIST YOU.

224-238-2400

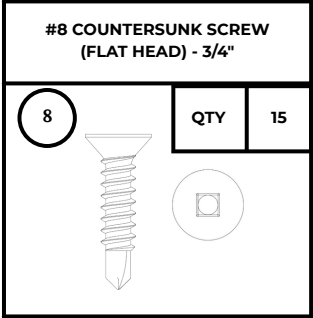
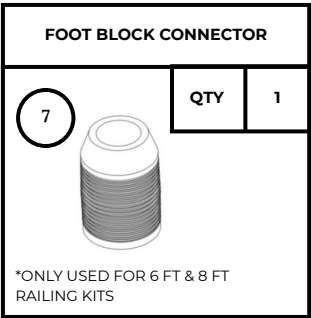
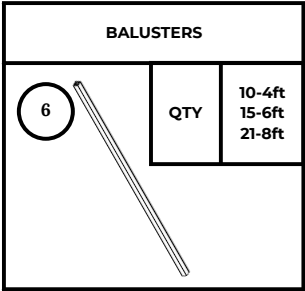
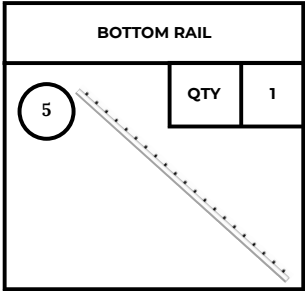
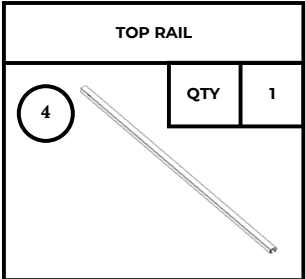
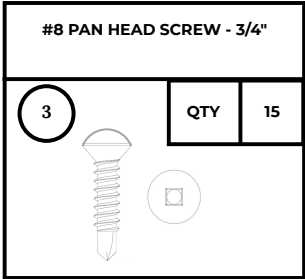
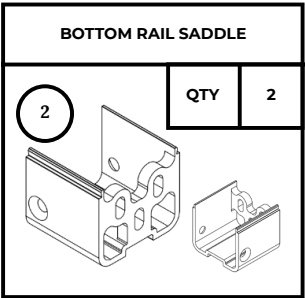
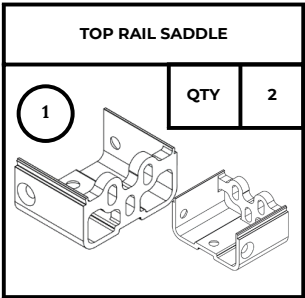
HELP@OUTDOORLIVINGCONNECTION.COM

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



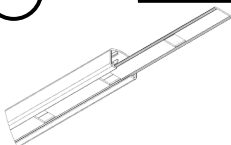
VISUAL PARTS LIST

BALUSTER RAIL INSERT

9

QTY

1



MID-RAIL BALUSTER SUPPORT PIECE

10

QTY

1



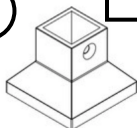
*ONLY USED FOR 6 FT & 8 FT
RAILING KITS

MID-RAIL BALUSTER FOOT

11

QTY

1



*ONLY USED FOR 6 FT & 8 FT
RAILING KITS

TOP RAIL SADDLE CAP

12

QTY

2



BOTTOM RAIL SADDLE CAP

13

QTY

2

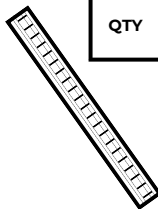


BALUSTER ASSIST TEMPLATE

14

QTY

1

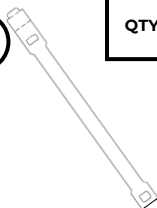


BRACKET TEMPLATE FOR POST

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.

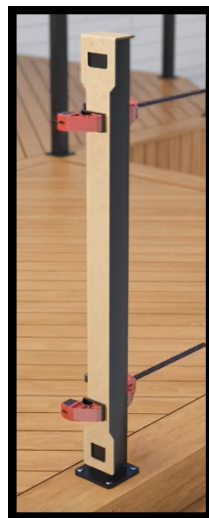
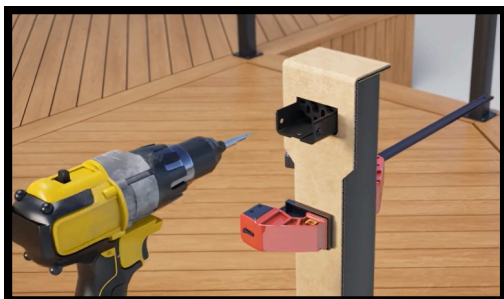
LEVEL RAIL INSTALLATION

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 three #8 pan head self tapping screws. Do the same with the bottom bracket.



STEP 3

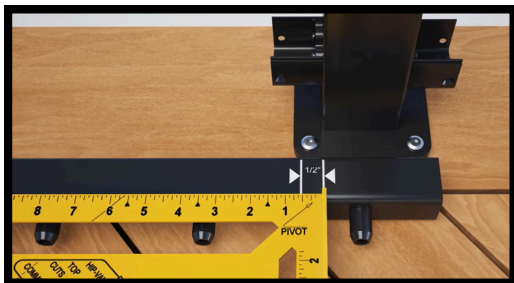
To install the railing, start by laying the bottom railing beside the posts that it will be installed between. Center the railing between the posts and mark the ends (verifying that the distance from the end of the railing is the same on both sides) to ensure that the railing is centered between the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

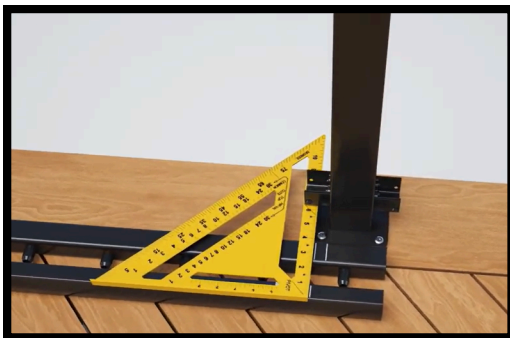
Now lay the top rail beside the bottom rail and line up the two railings. The top rail already has the baluster rail insert installed. Make sure that this insert is flush with the end of the railing before making any marks. You can secure the top rail and baluster rail insert with some tape so that they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



LEVEL RAIL INSTALLATION

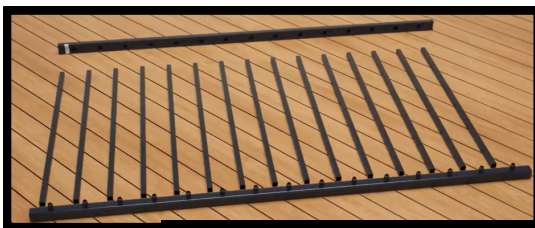
STEP 6

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 miter saw with a high-tooth-count carbide tip blade for easy cutting.



STEP 7

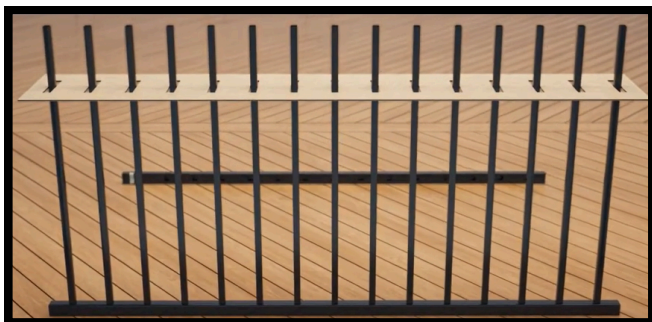
Turn the bottom rail up and insert the balusters into the bottom rail by pressing them down onto the baluster holders. Press them fully into the connector.



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

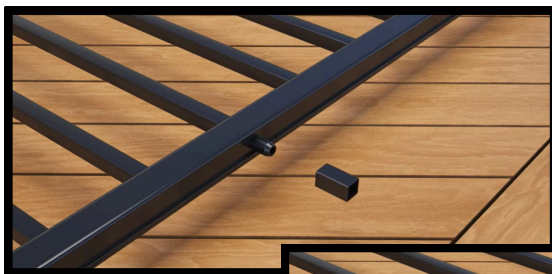
STEP 10

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 self tapping #8 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 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 screws (3 - #8 3/4" flat head screws). Move on to the bottom rail (this has one screw on each side).



STEP 13

Remove the tape from the bottom support footblock and secure it with the provided screw (1- #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 bracket caps by snapping them into place. This may require you to use a rubber mallet.



STEP 15

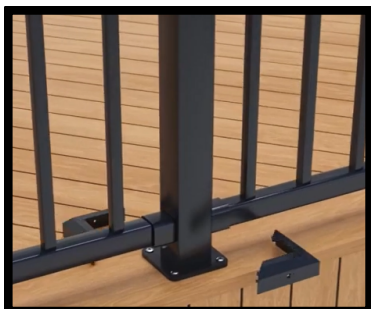
The post cap is installed by snapping it into place and using a rubber mallet if necessary.



LEVEL RAIL INSTALLATION

STEP 16

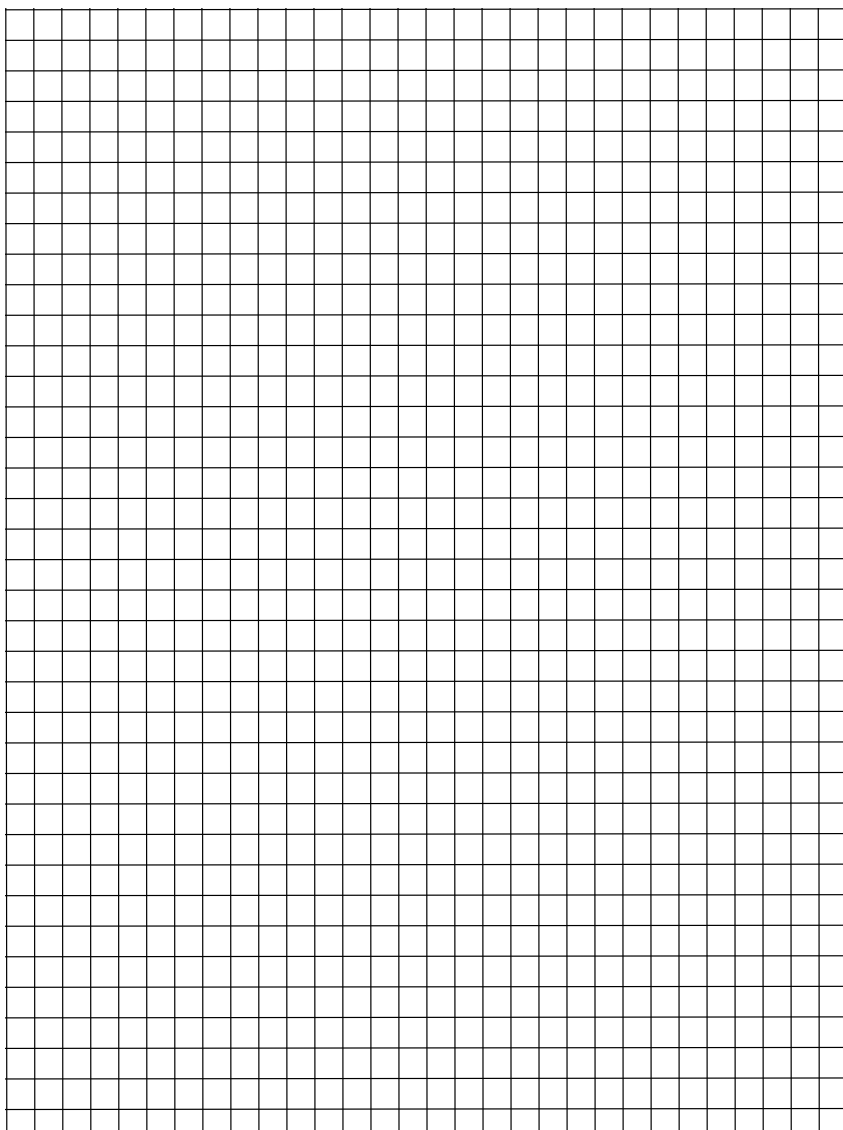
Install the post base skirt by sliding the two halves together and securing with the provided screws (2 - #8 2" Flat Head Screws - these items were included in your post kit). You may need to pre-drill holes for the post skirts with a 9/64" drill bit.



ALL DONE

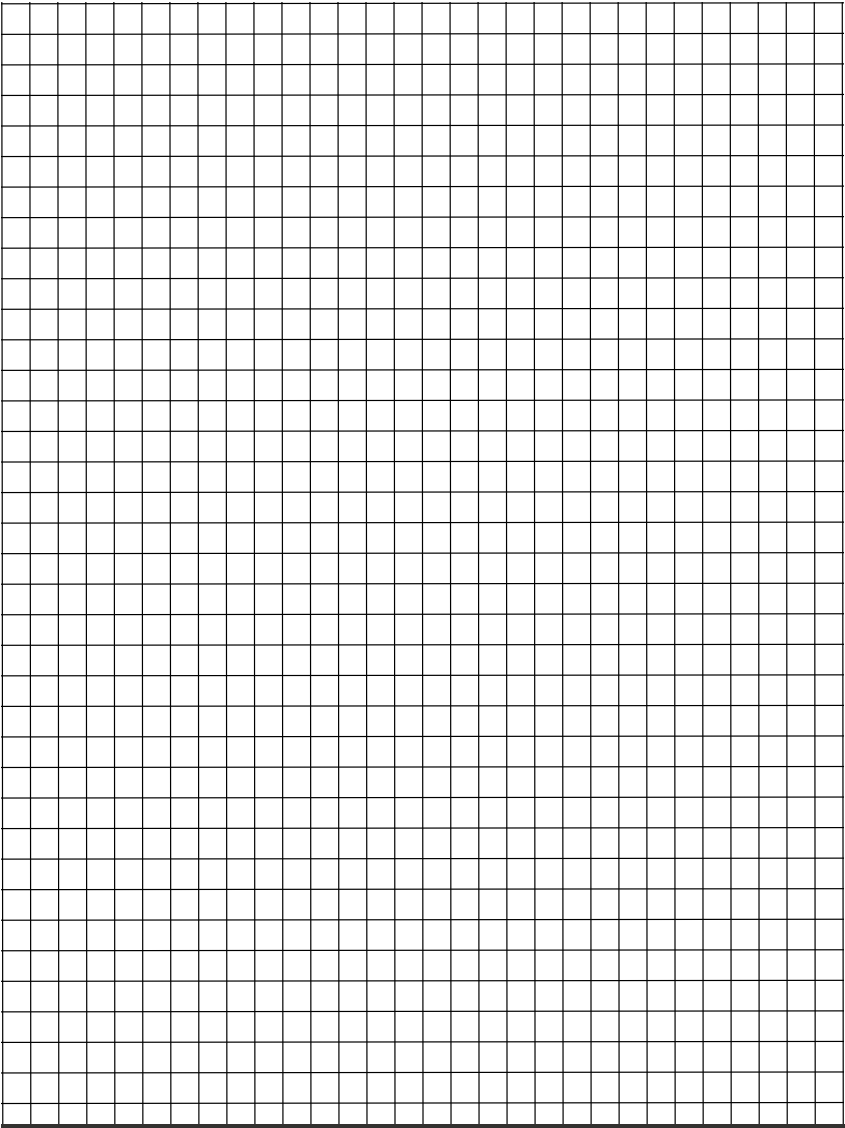
Stand back and admire your finished project!





YOUR BACKYARD BLUEPRINT





YOUR BACKYARD BLUEPRINT





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



Proudly Made in the USA