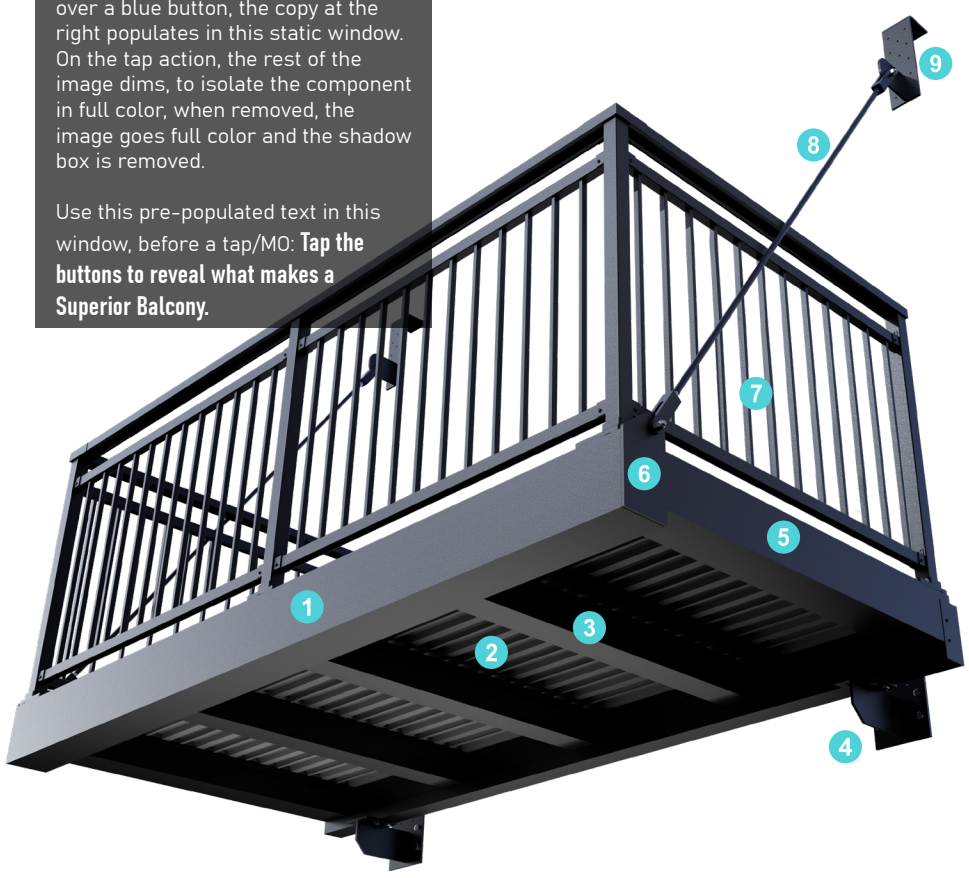
SUPERIOR
DECKS & RAILINGS

INTERACTIVE BALCONY CONFIGURATOR & WALKAROUND

When a user clicks, taps or mouses over a blue button, the copy at the right populates in this static window. On the tap action, the rest of the image dims, to isolate the component in full color, when removed, the image goes full color and the shadow box is removed.

Use this pre-populated text in this window, before a tap/MO: **Tap the buttons to reveal what makes a Superior Balcony.**



1. The front beam provides unmatched strength and uniformity, with span lengths up to 16-feet.
2. Aluminum decking is blind-fastened to the super structure, with anti-slip ridges in the extrusion for safety.
3. Joist spacing is determined by dimensions and load calcs, mechanical fasteners secure the joists to the front and back beams.
4. Seat plates bolt into the framing, blending into the structure, speeding installation with weath-erproofed anchor points.
5. Side Beam — Tracks in the extrusion make for faster, safer work. All rail fasteners are driven top down.
6. Super-duty clevis plates permanently fix the front beam to the tie rods with structural SS bolts, carrying the balcony load to the wall and floor structure above.
7. Rail infill options include picket, punch, glass, or mesh, paired with single or double top rail options. Black, bronze or white powder coating maintains lasting beauty across climate zones.
8. Superior invented aluminum tie rods for balco-nies. They attach to the structural connections with SS hardware and will never rust.
9. Knife plates attach to the wall and floor struc-ture during framing, simplifying waterproofing. These strong, low-profile load connections can also be located at the rail height.

BALCONY VISUAL CONFIGURATOR

Integrating into the building design and architecture is easy with Superior's com-plete product line. Choose the size, colors, and rail style for a visual of your balco-nies.

DECK FRAME SIZE

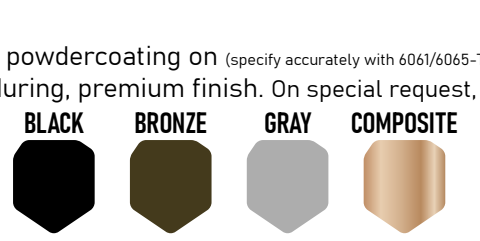
Cutting labor and material costs are Superior advantages you can bring scale, saving time on project schedules with highly efficient balcony installations. Uniform deck sizes bolt-on with speed and precision, with a full extruded deck board at the door threshold. **Select from 18 standard balcony sizes.**
Pre-pop selection formula (#'#")
Depth: (5', 5'6", 6') AND Width: (8', 9', 10', 12', 14', 16')

FRAME COLOR

Matching the frame and decking powdercoat creates a complimentary, unitized look, or choose a contrasting standard color to accent your exterior design palette.
(Color Picker)

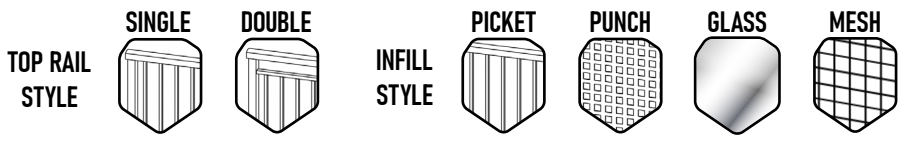
DECKING COLOR

The AAMA 2604 powdercoating on (specify accurately with 6061/6065-T5) aluminum extrusions provides an enduring, premium finish. On special request, composite decking can be specified.
(Color Picker)



RAILING STYLE

Single or doube top rail, paired with picket, punch, glass, or mesh infill aligns perfectly to the 2" square posts. The full rail assembly attaches top down with a common torque driver, improving assembly speed and worker safety.



RAILING COLOR

Black, bronze and white powdercoating provide lasting good looks, no matter the climate zone.

BUILDING MATERIALS

Choose the color tone and material type around the balcony to marry the building exterior design to your balcony spec.

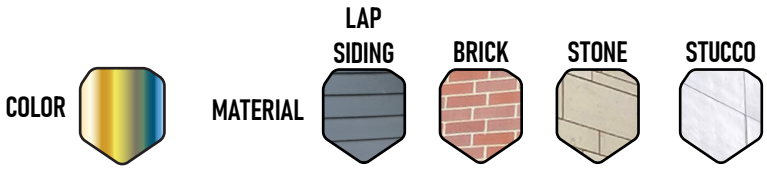


Image creation, request of Phu: Photographic 3D rendering, solid surfaced model, emulating photo angle above. Full balcony assembly with 2 tie rods, back seats and knife plates.

Call to action statements:
You're off to the right start! Want to learn more about adding Superior Decks and Railings to your project?
(radio button) Learn More - contact form, tagging customer journey from visualization tool.

ADD a known user capture to use the tool, softer or more overt? First/Last/email/company. Soft Opt-in.

Outcomes of the configurator design choices:
Generates high resolution isometric view of user selections, basic BOMs, and wireframe assembly with chosen deck size assembly, technical data sheet for user ref. AI generated product image with user selections. Session logs selections, duration and tracking, captured in Ga4, user data logged for customer journey.

Engineering and Design Resources
BIM files with complete 2D and 3D balcony assemblies are ready to import into your design software.
(Radio Button - BIM files - resources page.)

Outcomes of the balcony configurator design choices:
Making the selections for standard 2-tie rod balconies creates a basic kit and BOM, they can be revealed as their selections in an image and a starter spec sheet, saved and exported as a PDF to shared with their teams and with Superior. The standard 2-rod balconies with sizes are a kit. Seats, seat fasteners, and tie-rod lengths need to be added to the kit after load calc/tie-ins are specified.

Future state:

We can further the visualizer tool with inset, cantilever, and 1-rod balconies, as well as Juliet balconies, following the same selection criteria (less tie rods/clevis plates).
Read elevation drawings (basic PDF) to recommend:
Counts, deck sizes, styles on architecture design, mounting connection styles.

Outputs:

See live sizing of decks, connections, mounting methods.
· Applied decks to their drawings.
· Providing correct BIM files to their bldg design.