

HOSPITALITY SEATING CASE STUDY

CARLO-C

From one custom chair to 1,000.

A design request became a prototype. The prototype exposed an operational need. SHEV engineered the answer - and a one-off idea became a scalable banquet seating solution.

CARLO-C
Model # HC-06-C



One request. One sample. One scalable solution.

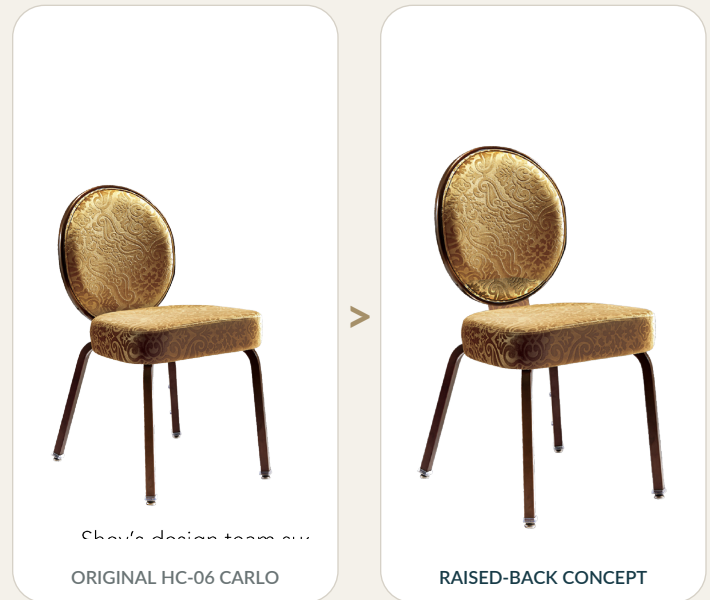
THE BRIEF

Raise the back. Preserve the chair.

A small design request was the beginning of the Carlo-C story.

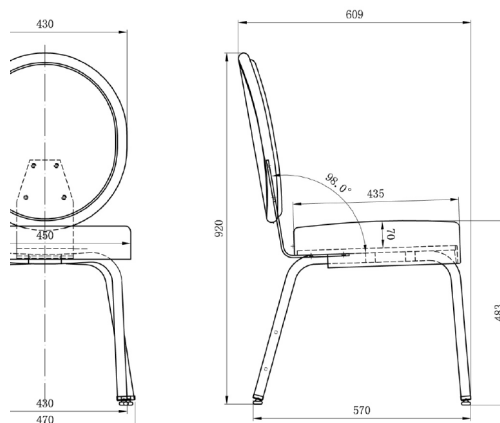
A designer from Storey Kenworthy was specifying SHEV's HC-06 Carlo chair for the Wakonda Club in Des Moines, Iowa. The chair was right for the project - except for one detail: the back felt too low.

Rather than start over, SHEV's design team proposed a focused modification: raise the back while preserving the chair's familiar proportions and character.



THE DESIGN MOVE

The revised rendering gave the customer a clear view of the taller back before a sample was built. The design change was simple in appearance, but precise enough to preserve the chair's stance, seat geometry, and overall visual language.



THE PROTOTYPE

One custom chair became something bigger.

A fast sample answered the design question - and uncovered the next one.

The customer asked to see a sample. In less than two weeks, SHEV presented the revised chair, then known as Carlo-B. The customer approved the direction and wanted to move forward.

At that point, an operational requirement became clear: the chairs needed to stack 10 high. The Carlo-B frame could stack only 5 high because of its seat-on-seat nesting geometry. To safely reach 10, the frame needed to be re-engineered for leg-on-leg stacking.



THE MOMENT THE PROJECT SCALED

1 → 1,000

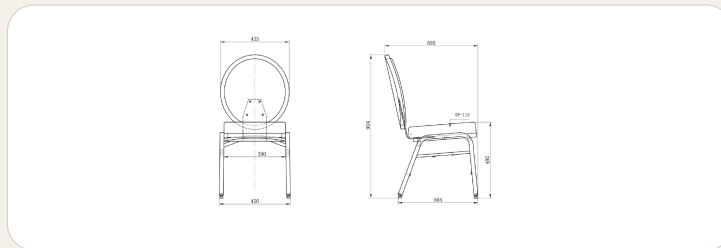
What began as one custom chair led to a 1,000-chair order - but only after the design was engineered around how the customer actually needed to use it.

THE ENGINEERING

A + B = C

The final chair came from combining the right design language with the right stacking geometry.

SHEV's solution was to combine the taller Carlo-B upper profile with the stacking-frame architecture of the HC-709 Odette. The result became the Carlo-C: the round-backed look the customer wanted, paired with a frame that could nest leg-on-leg in a straight vertical stack.



FINAL CARLO-C FRONT + SIDE ENGINEERING VIEWS

10 HIGH

STACKING

LEG-ON-LEG

NESTING

FLEX-BACK

COMFORT

500 LB

CAPACITY

PRODUCT DETAIL

Carlo-C. Built for banquet operations.

Model HC-06-C | Aluminum Flex-Back Side Chair



SPECIFICATIONS

Overall Height	35.75"	Stacks	10 High
Overall Width	17.75"	Seat Height	19.25"
Overall Depth	23.25"	Seat Width	15.75"
Arm Height	N/A	Seat Depth	17.5"
Weight	17.25 lbs.	COM Seat/Back	1 yd total (.5/.5)

STANDARD FEATURES

- Lightweight 16-gauge aluminum alloy frame
- Curved flex-back; silhouette back with no exposed fasteners
- 3.5" Extra Plush seat cushion
- 10-high leg-on-leg stacking
- 500 lb. weight capacity
- Meets CAL TB 117
- Optional full or half hand-hold

Carlo-C was not designed in a vacuum. Back height, frame geometry, stacking method, flex-back comfort, and handling options all came directly from the realities of a high-use banquet environment.

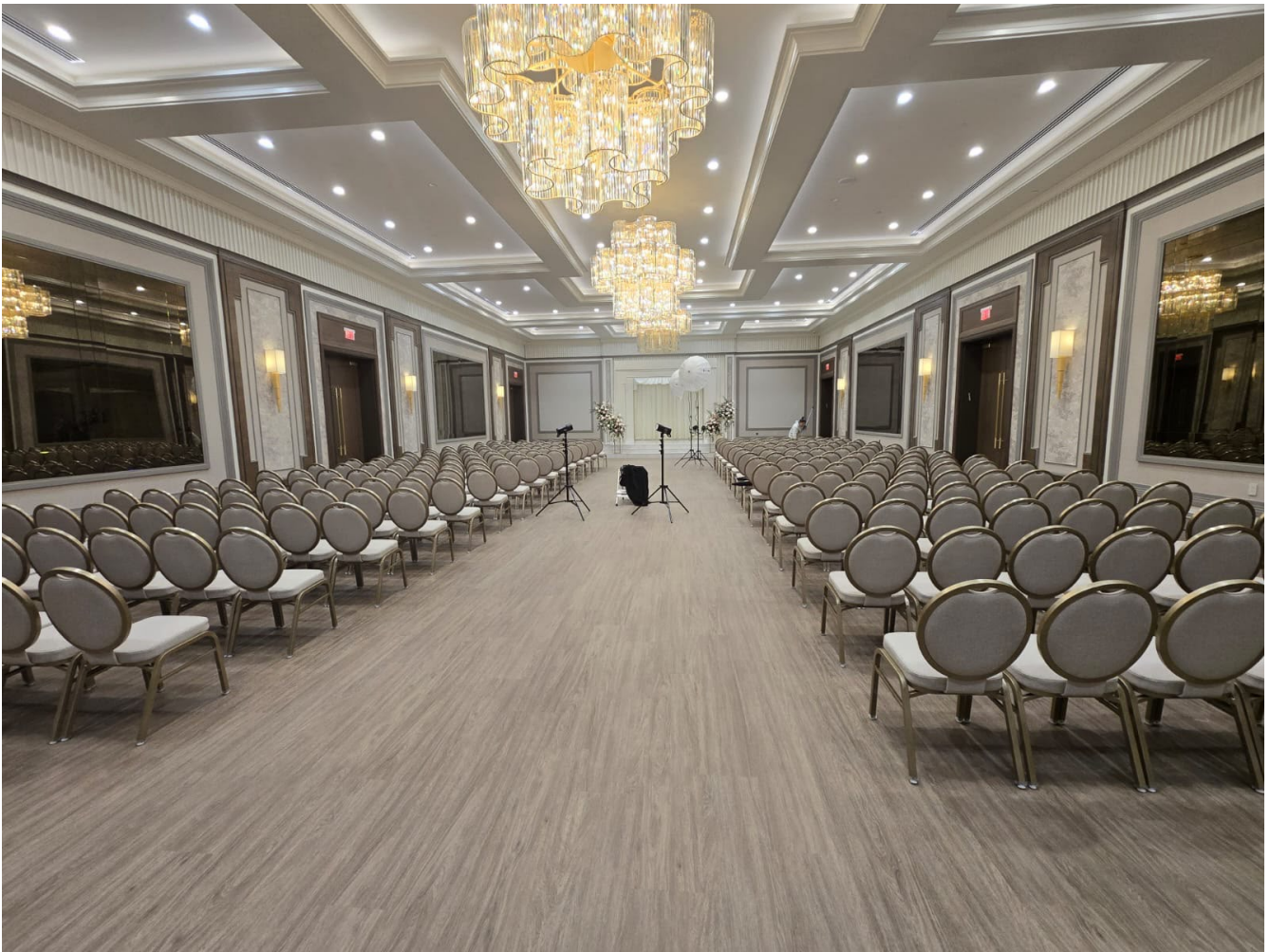


IN THE FIELD

Designed for the room. Engineered for the reset.

Carlo-C shown in a real ceremony configuration.

The Carlo-C was developed around the realities of high-use event seating: repeated movement, fast room turns, flex-back comfort, and 10-high stackability. Shown here in a full ceremony setup, the chair keeps a disciplined, refined silhouette even across a large seating plan.



CEREMONY CONFIGURATION | CLIENT-SUPPLIED INSTALLATION PHOTO

THE CARLO-C STORY

One ask. One sample. One thousand chairs.

A request to raise a chair back became a fast prototype. A stacking requirement became an engineering problem. The solution became Carlo-C - a chair shaped by collaboration, built for operations, and scaled for the project.

01

RAISE THE BACK

02

SAMPLE IN < 2 WEEKS

03

ENGINEER 10-HIGH STACK

04

1,000-CHAIR ORDER



BANQUET / DINING CONFIGURATION | CLIENT-SUPPLIED INSTALLATION PHOTO

Custom manufacturing should feel this responsive.

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