MOTORCAR MAGAZINE



20 ways to build around your lifts.

20 layouts | 1-to-10-lift sketches | Classic-car storage | Ten triple-stackers

Illustrated planning concepts, from a one-lift workshop to a large collection building.

AI-assisted garage concept illustration. All drawings are conceptual; verify exact equipment and site requirements.

motorcarmagazine.com | olympic-equipment.com

HOW TO USE THIS PLAN BOOK

Read the drawing before choosing the lift

CONCEPT DEVELOPMENT / EXACT MODEL AND SITE REVIEW STILL REQUIRED

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01 Start with the vehicles

Record actual weight, length, width, mirrors, wheelbase, track width and height. Include roof racks, spoilers and modifications.

02 Replace the lift symbols

Overlay the current manufacturer drawing for the exact model, including ramps, controls, arm movement, anchors and approved accessories.

03 Check the building in three dimensions

Measure slab condition, engineered foundation requirements, roof structure, beams, door tracks, lights, utilities and the complete vehicle travel envelope.

04 Test circulation and retrieval

Check vehicle turning paths, open doors, work carts, visitor routes, exits and the order in which stacked or tandem vehicles must move.

05 Review the project professionally

Have the designer, qualified installer and relevant local authorities resolve structural, electrical, ventilation, fire-protection and permit requirements.

Source documents

Olympic Equipment manuals

Olympic Triple Stacker-XL model page

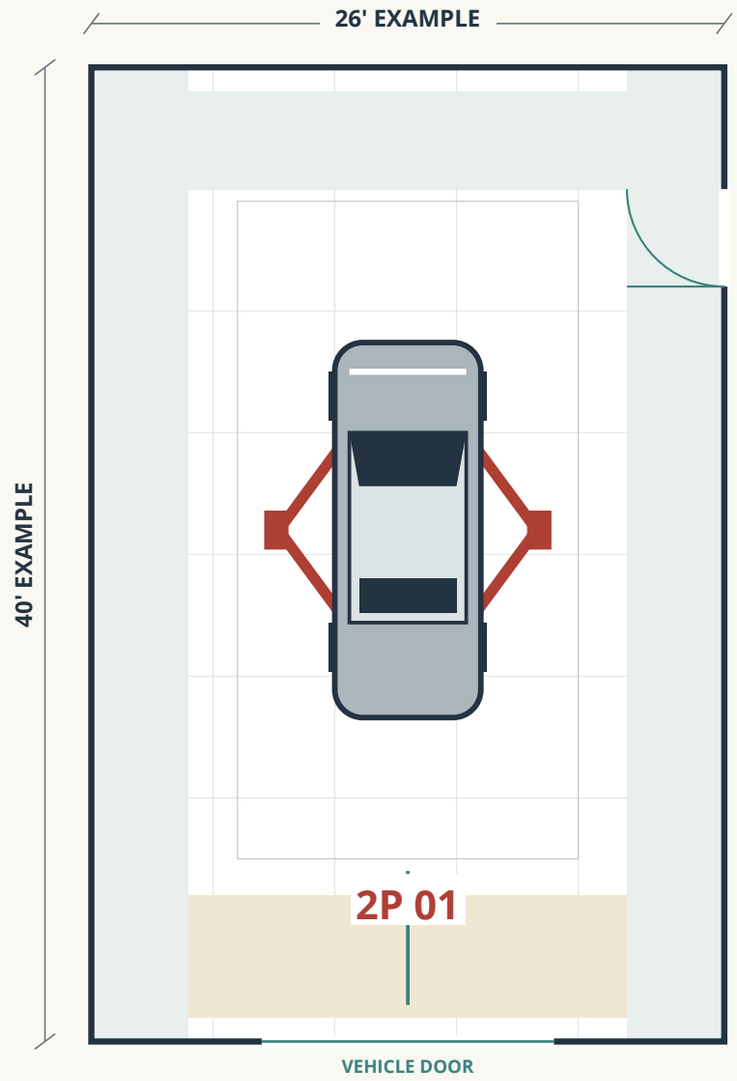
Olympic four-post selection guide

Automotive Lift Institute buyer guidance

20 GARAGE LAYOUT IDEAS

The single-bay workshop

1 LIFT / 26 x 40 FT EXAMPLE BUILDING



THE IDEA

A dedicated service bay with a straight approach and a rear access strip. Keep the rear wall for shallow tool storage outside the walking route.

WHY THIS ARRANGEMENT

One vehicle at a time; easy access to lift controls.

CHECK BEFORE YOU BUILD

Verify full door swing, arm reach and cart movement.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

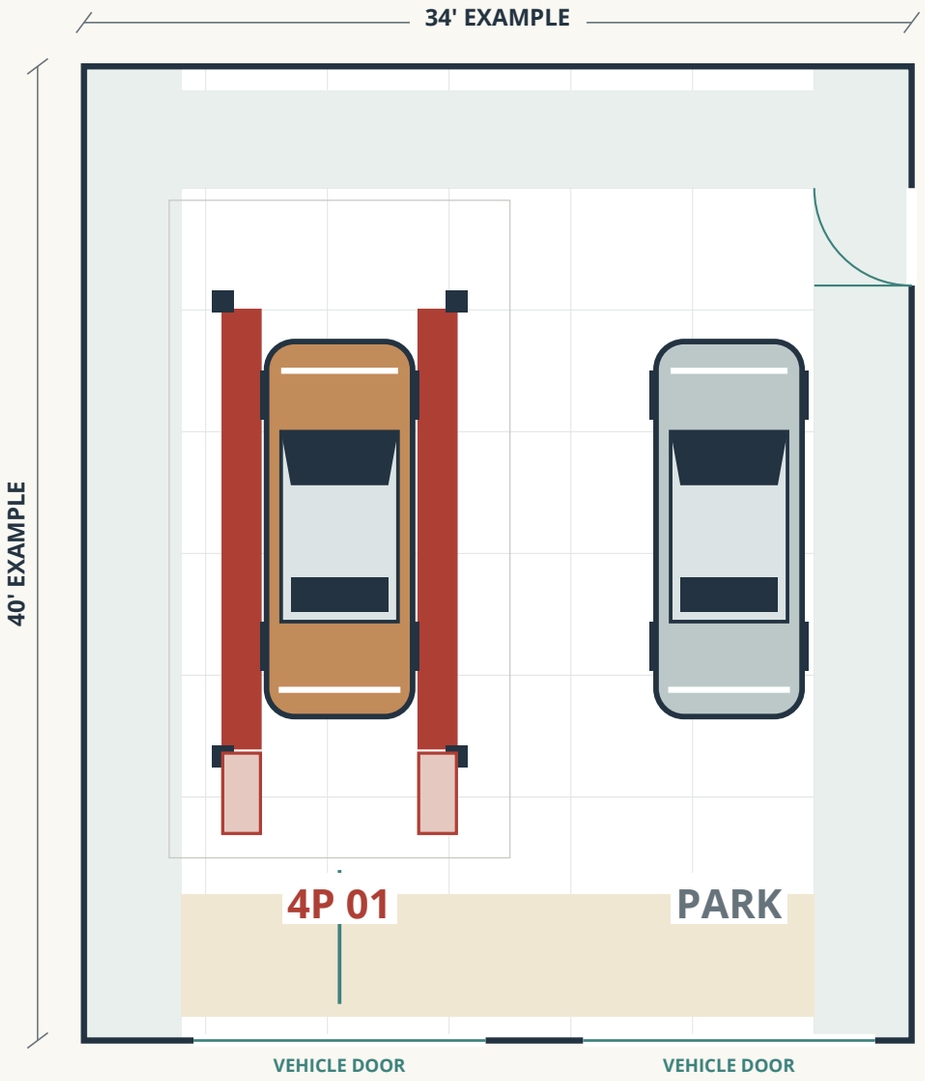
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Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

20 GARAGE LAYOUT IDEAS

One lift, one daily driver

1 LIFT / 34 x 40 FT EXAMPLE BUILDING



THE IDEA

Put a collector-car lift beside an ordinary parking bay so the daily vehicle can leave without entering the lift bay.

WHY THIS ARRANGEMENT

Separate daily parking from long-term storage.

CHECK BEFORE YOU BUILD

Measure the stacked pair, roof accessories and door tracks.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

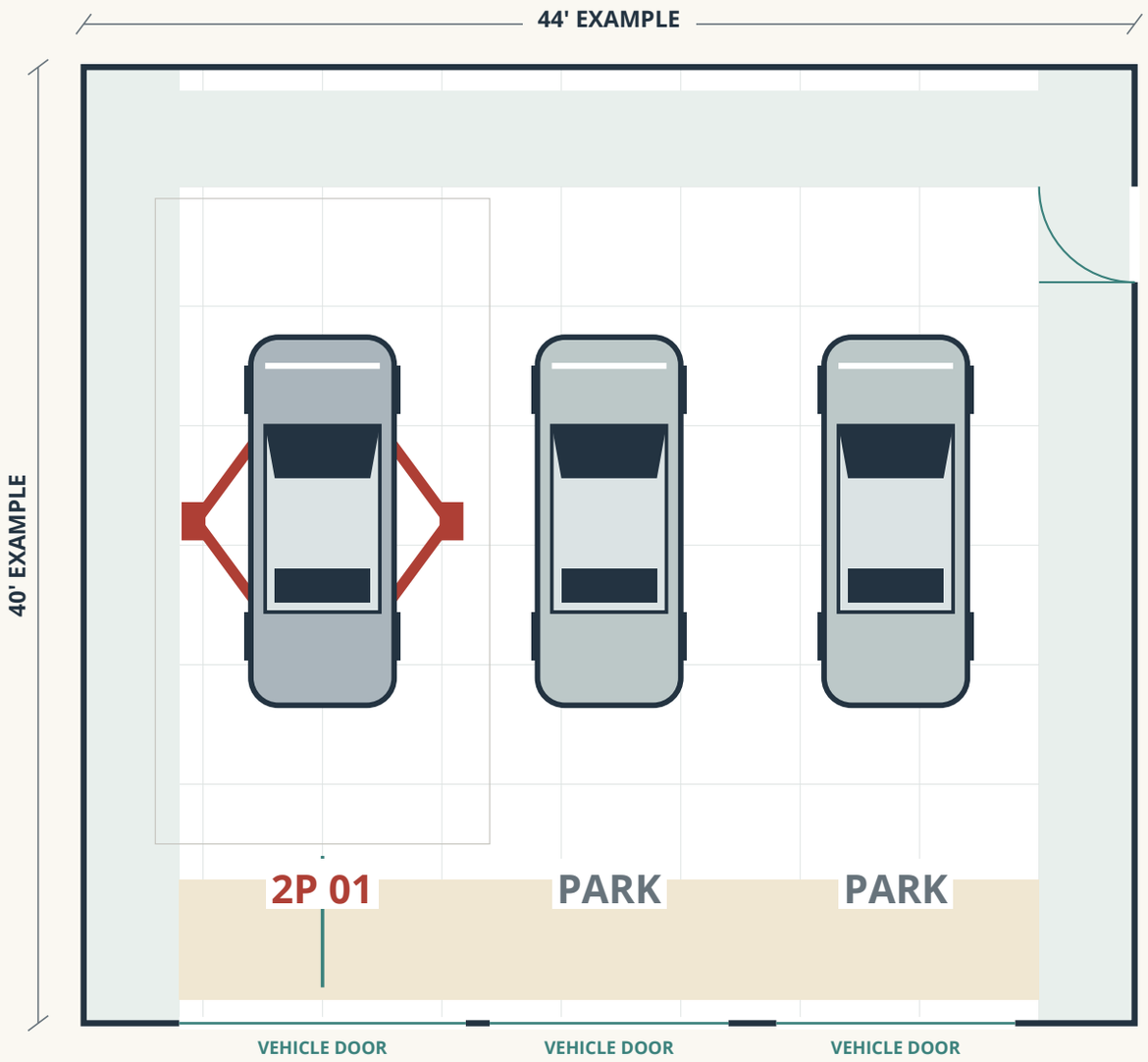
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20 GARAGE LAYOUT IDEAS

Family garage plus project bay

1 LIFT / 44 x 40 FT EXAMPLE BUILDING



THE IDEA

One working bay beside two ordinary parking positions keeps a project away from the family-car path.

WHY THIS ARRANGEMENT

One service lift and two ground parking positions.

CHECK BEFORE YOU BUILD

Mark door-opening envelopes for all three vehicles.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

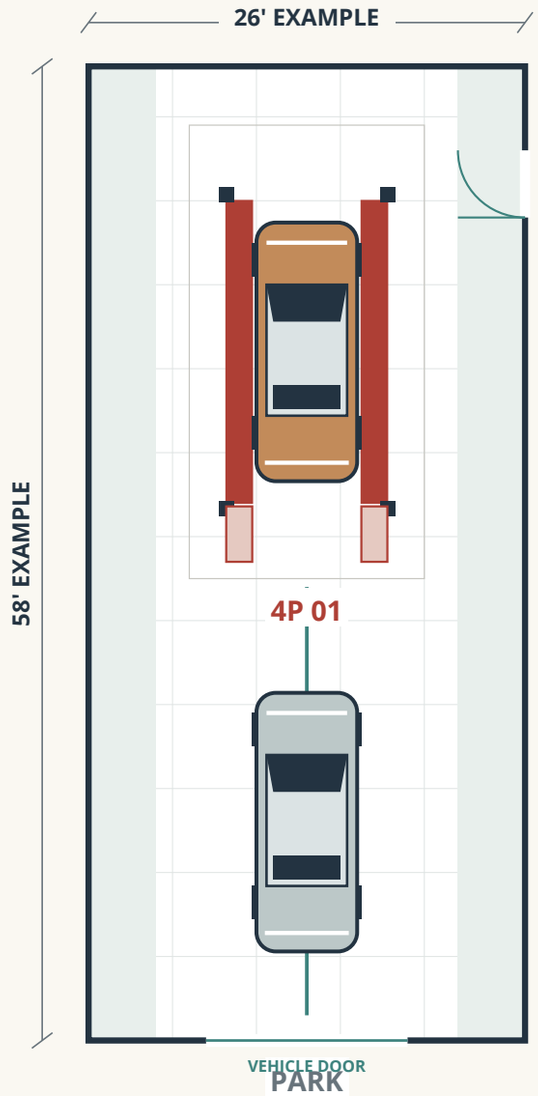
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20 GARAGE LAYOUT IDEAS

Deep tandem collector garage

1 LIFT / 26 x 58 FT EXAMPLE BUILDING



THE IDEA

A rear storage lift and a front ground parking position suit a deep building. The front vehicle must move before the rear vehicle can be retrieved.

WHY THIS ARRANGEMENT

Accept a deliberate retrieval order.

CHECK BEFORE YOU BUILD

Do not count tandem parking as independent access.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

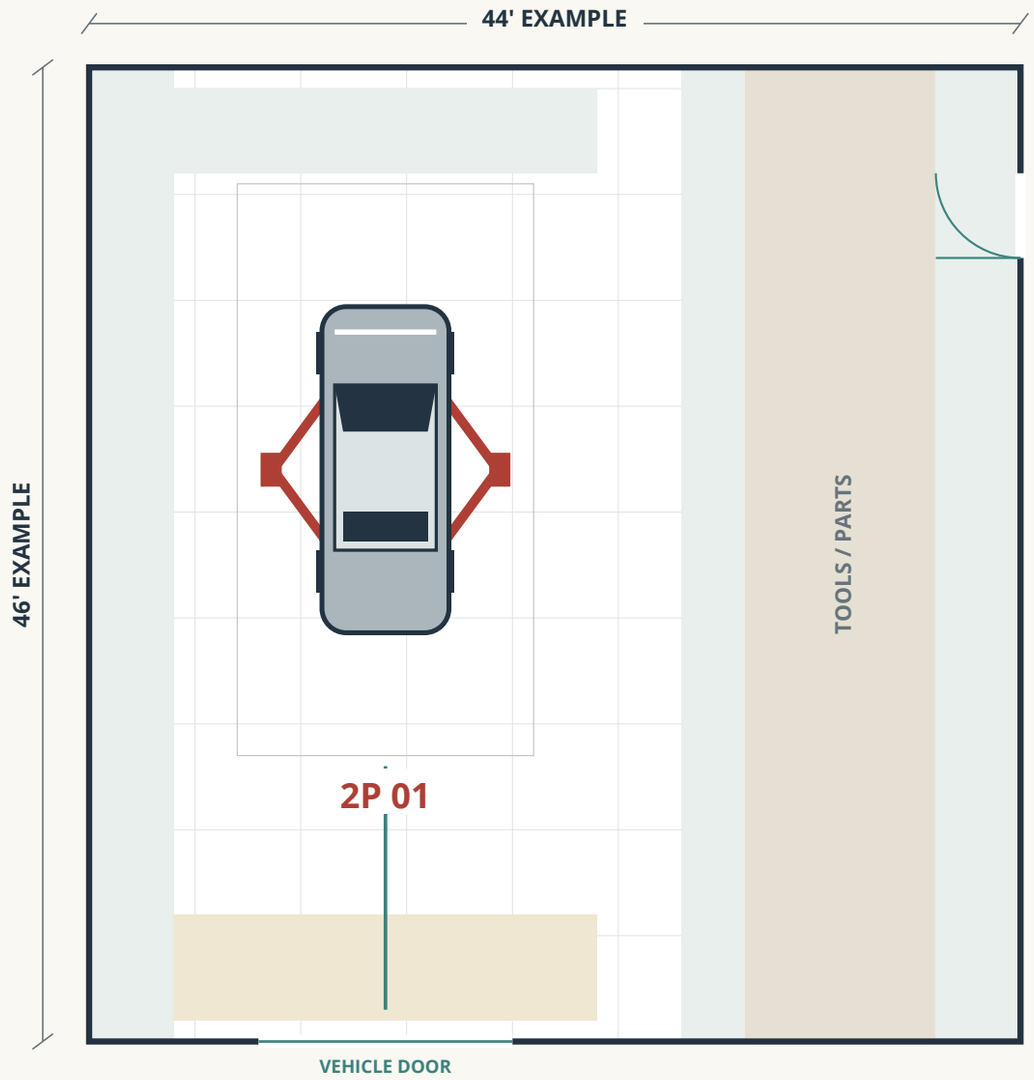
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20 GARAGE LAYOUT IDEAS

Restoration bay with parts wing

1 LIFT / 44 x 46 FT EXAMPLE BUILDING



THE IDEA

Keep the lift on one side and labeled parts storage on the other. A walking strip separates the work bay from shelves and a rolling bench.

WHY THIS ARRANGEMENT

Make disassembly storage part of the original plan.

CHECK BEFORE YOU BUILD

No engine-removal or vehicle-support procedure is implied.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

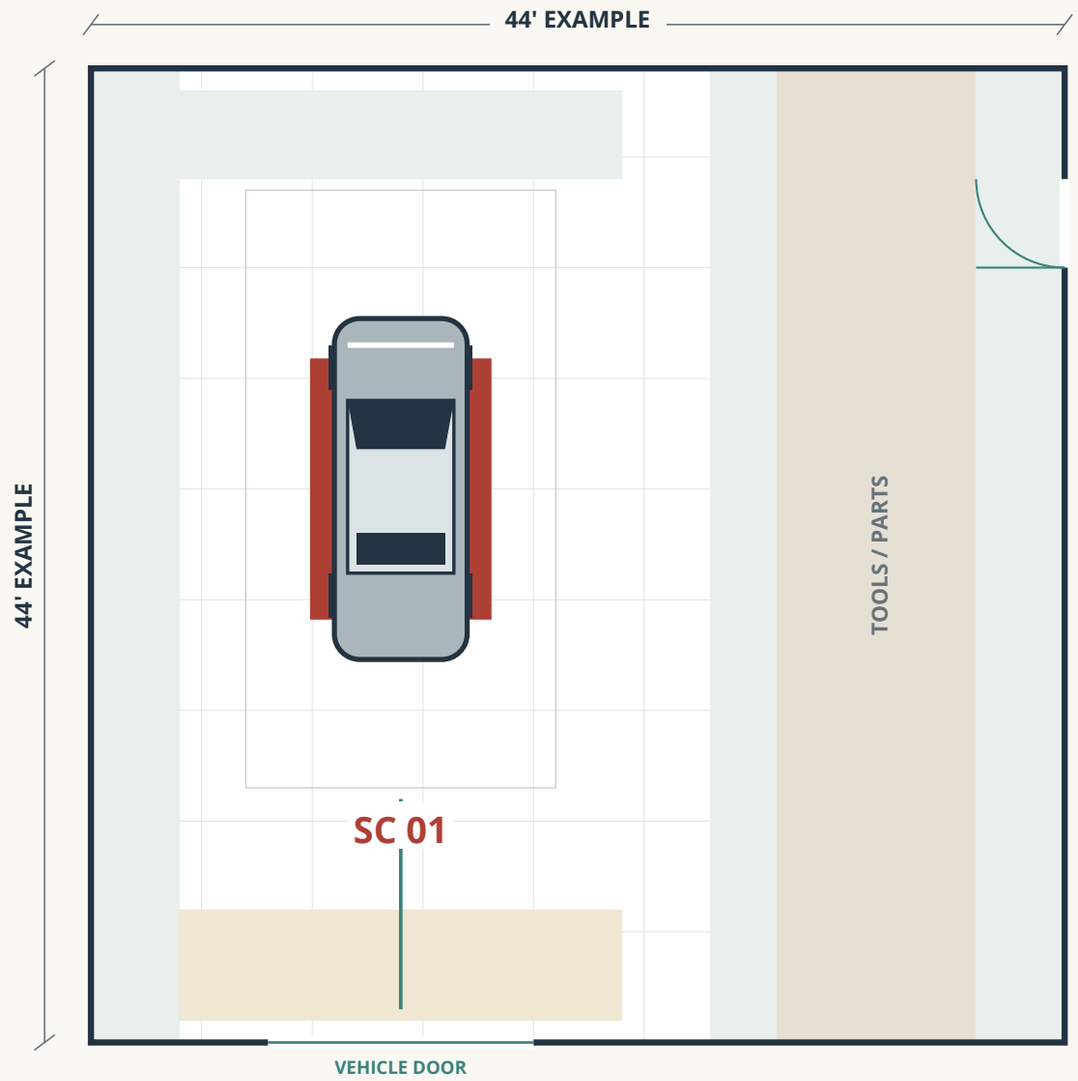
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20 GARAGE LAYOUT IDEAS

Detailing and clean assembly

1 LIFT / 44 x 44 FT EXAMPLE BUILDING



THE IDEA

A scissor-lift bay has a separate clean-preparation wing for trim, interior parts and finishing supplies.

WHY THIS ARRANGEMENT

Keep clean assembly away from active repair traffic.

CHECK BEFORE YOU BUILD

Specify a lift approved for the work; a low lift still needs access room.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

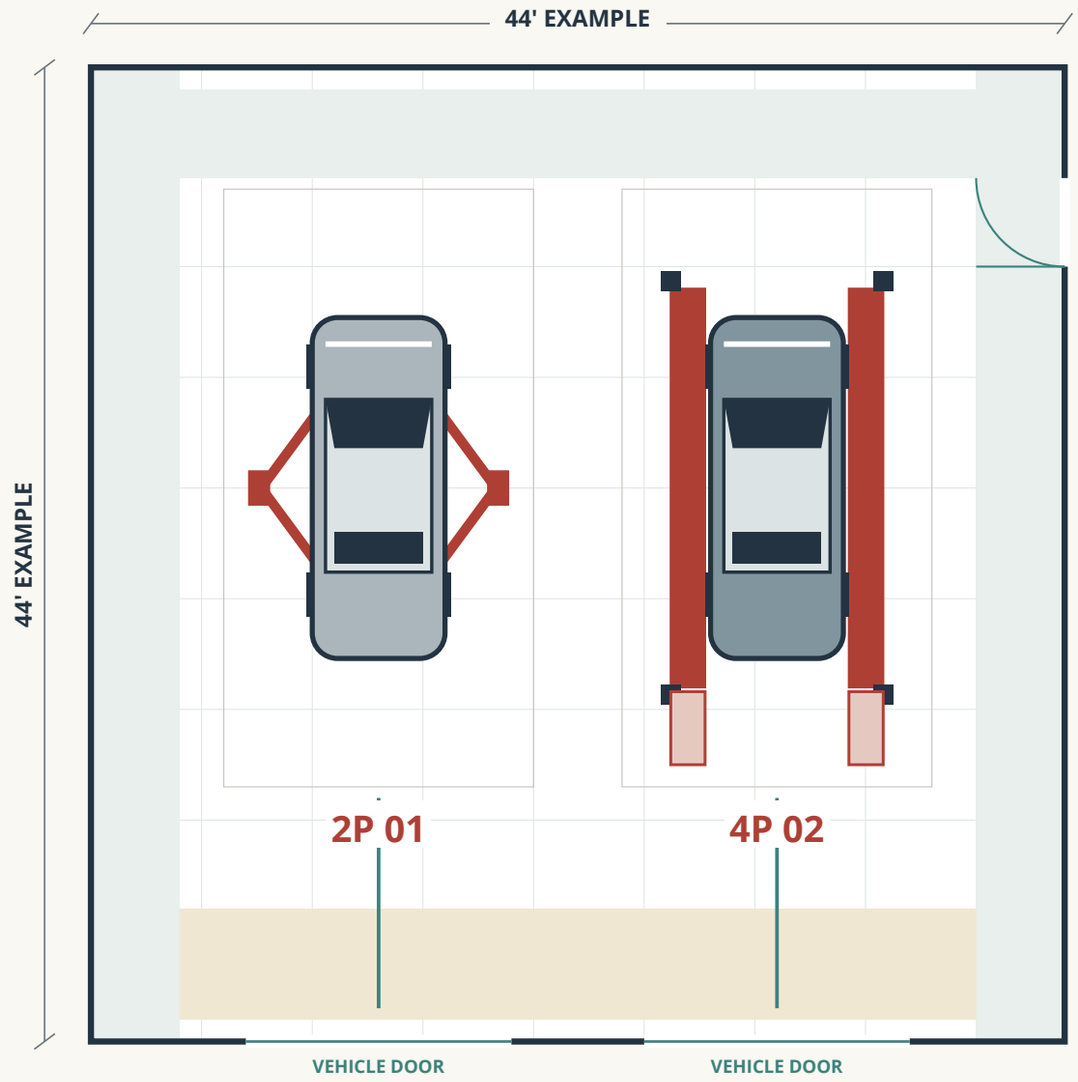
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20 GARAGE LAYOUT IDEAS

Service plus classic storage

2 LIFTS / 44 x 44 FT EXAMPLE BUILDING



THE IDEA

Pair a two-post service bay with a four-post collector bay. The functions stay distinct and each has a straight entry.

WHY THIS ARRANGEMENT

Two different jobs, two independent approaches.

CHECK BEFORE YOU BUILD

A storage lift needs approved wheel-free accessories for tire or brake work.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

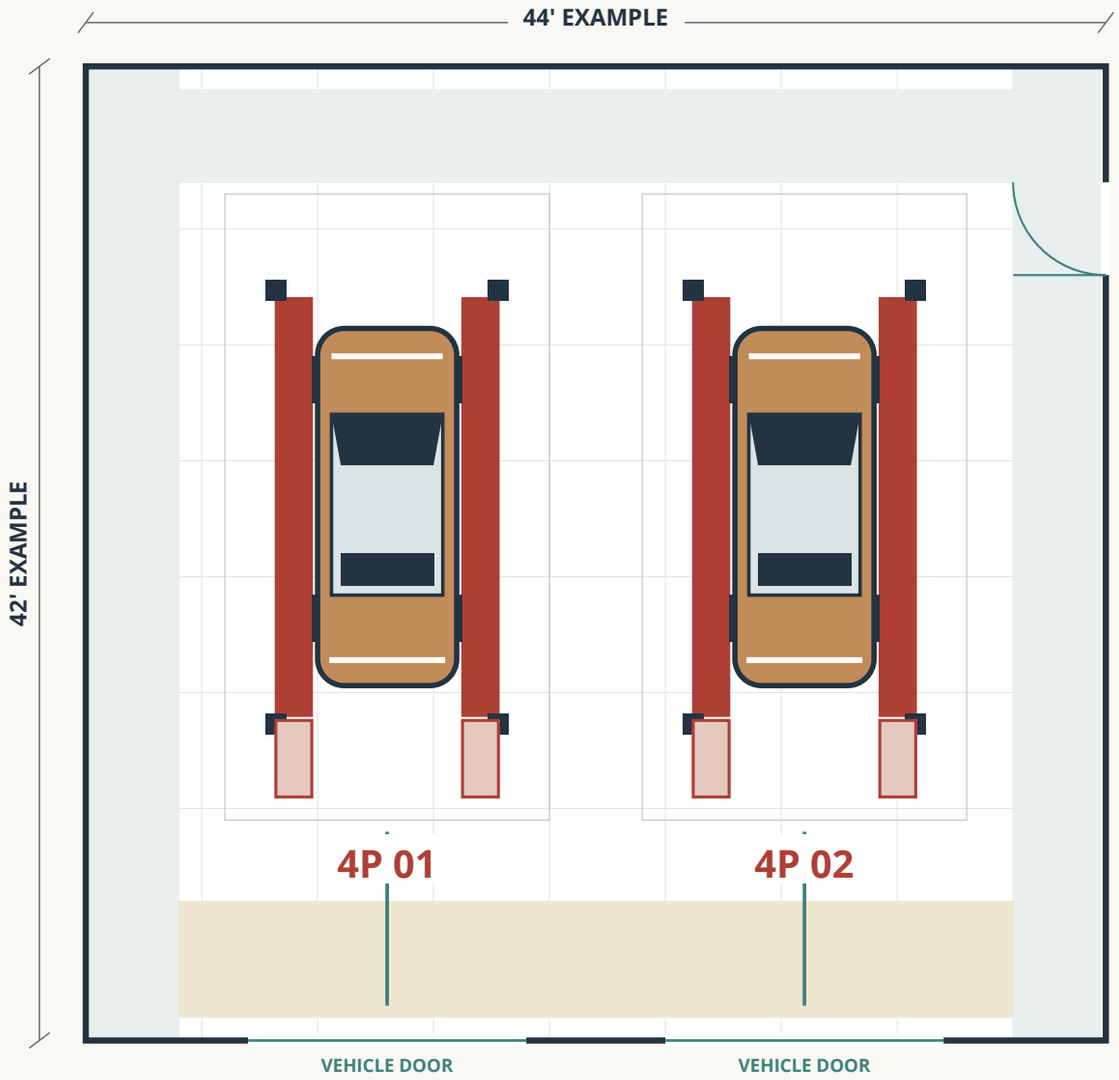
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20 GARAGE LAYOUT IDEAS

Twin classic-car storage bays

2 LIFTS / 44 x 42 FT EXAMPLE BUILDING



THE IDEA

Two four-post lifts sit side by side with their own entries. Keep vehicle retrieval and drip-tray servicing in the planning conversation.

WHY THIS ARRANGEMENT

A compact collection with separate bay access.

CHECK BEFORE YOU BUILD

Storage positions depend on lift and vehicle compatibility.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

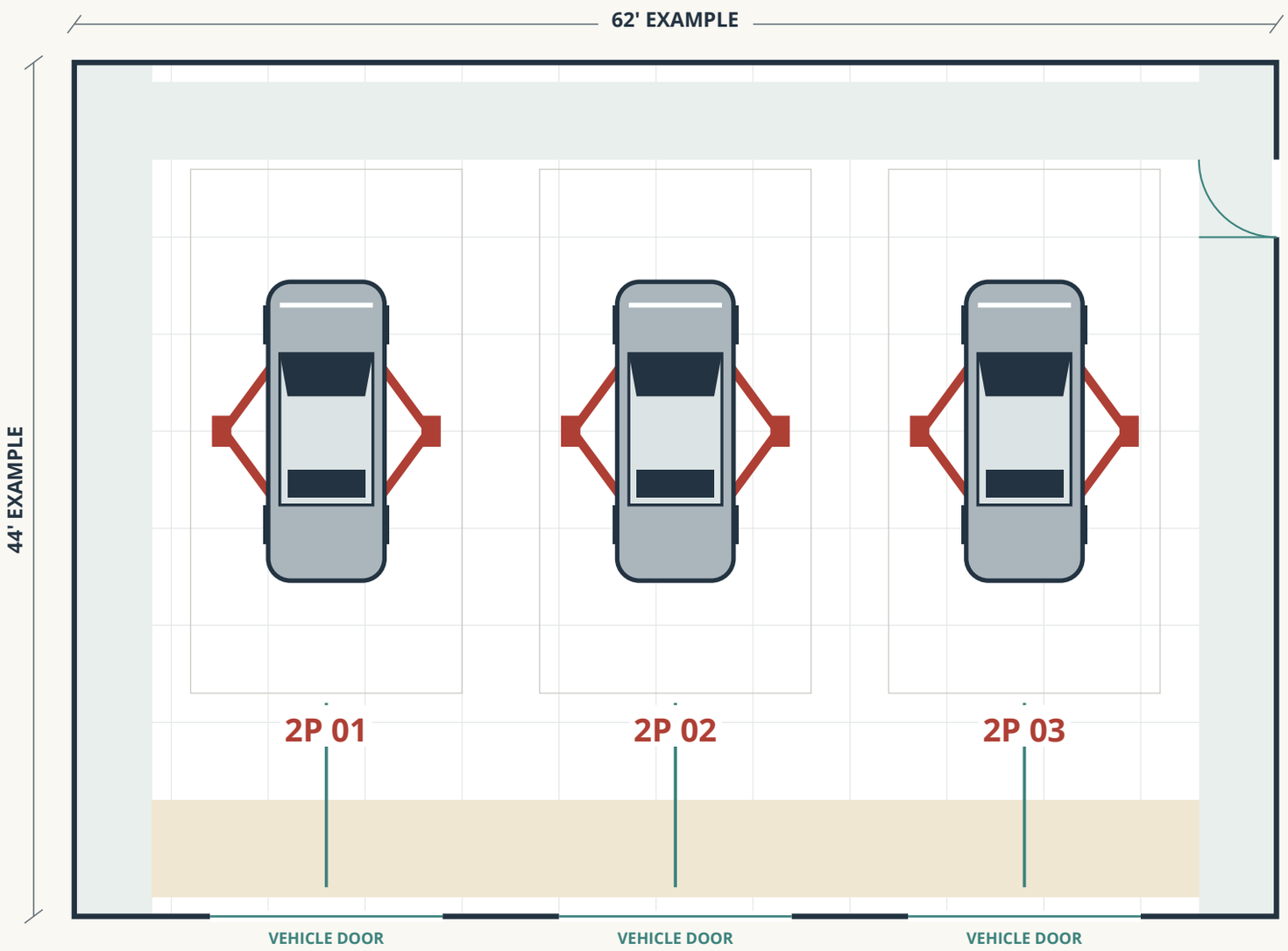
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20 GARAGE LAYOUT IDEAS

Three-bay service workshop

3 LIFTS / 62 x 44 FT EXAMPLE BUILDING



THE IDEA

Three straight-entry service bays share a rear walking strip while keeping the approach to each bay separate.

WHY THIS ARRANGEMENT

A simple repeatable bay arrangement.

CHECK BEFORE YOU BUILD

Check customer access, controls and utility drops for every bay.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

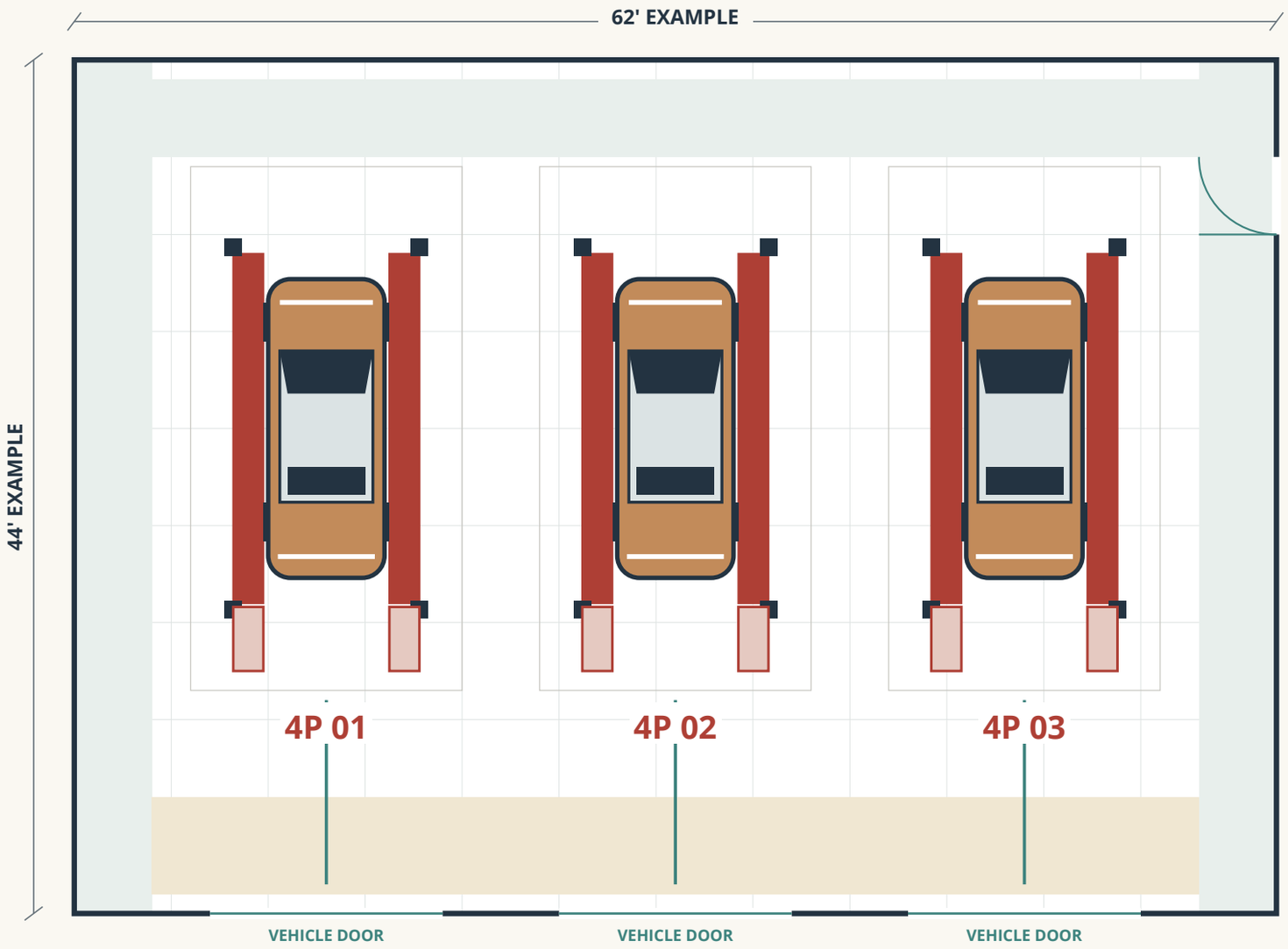
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20 GARAGE LAYOUT IDEAS

Three-lift classic collection

3 LIFTS / 62 x 44 FT EXAMPLE BUILDING



THE IDEA

Three four-post storage lifts form a collector-focused row. Keep frequently driven cars in positions that minimize other vehicle moves.

WHY THIS ARRANGEMENT

Organize by driving frequency as well as vehicle size.

CHECK BEFORE YOU BUILD

Do not treat every stored car as immediately retrievable.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

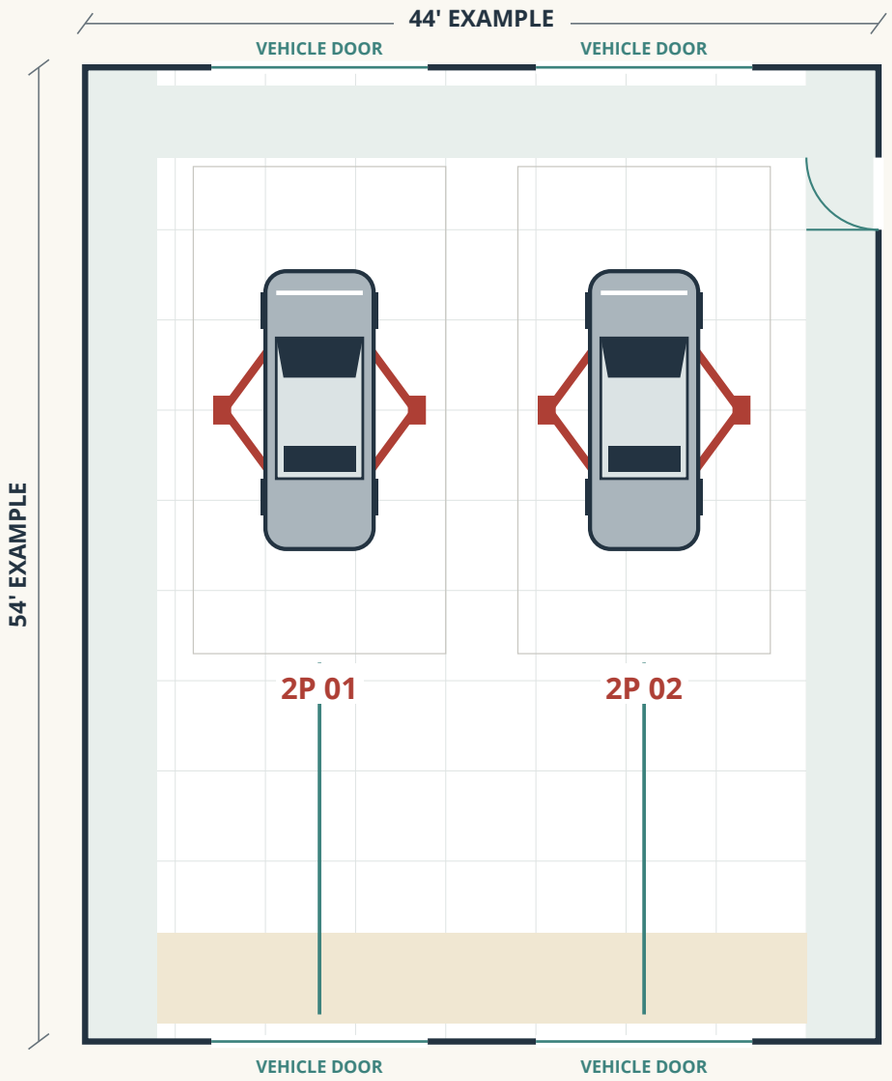
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20 GARAGE LAYOUT IDEAS

Two-bay drive-through building

2 LIFTS / 44 x 54 FT EXAMPLE BUILDING



THE IDEA

Opposing exterior doors create straight drive-through routes through two service bays. Maintain open approach areas at both ends.

WHY THIS ARRANGEMENT

Reduce reversing in a purpose-built building.

CHECK BEFORE YOU BUILD

The site plan must also accommodate both outside aprons.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

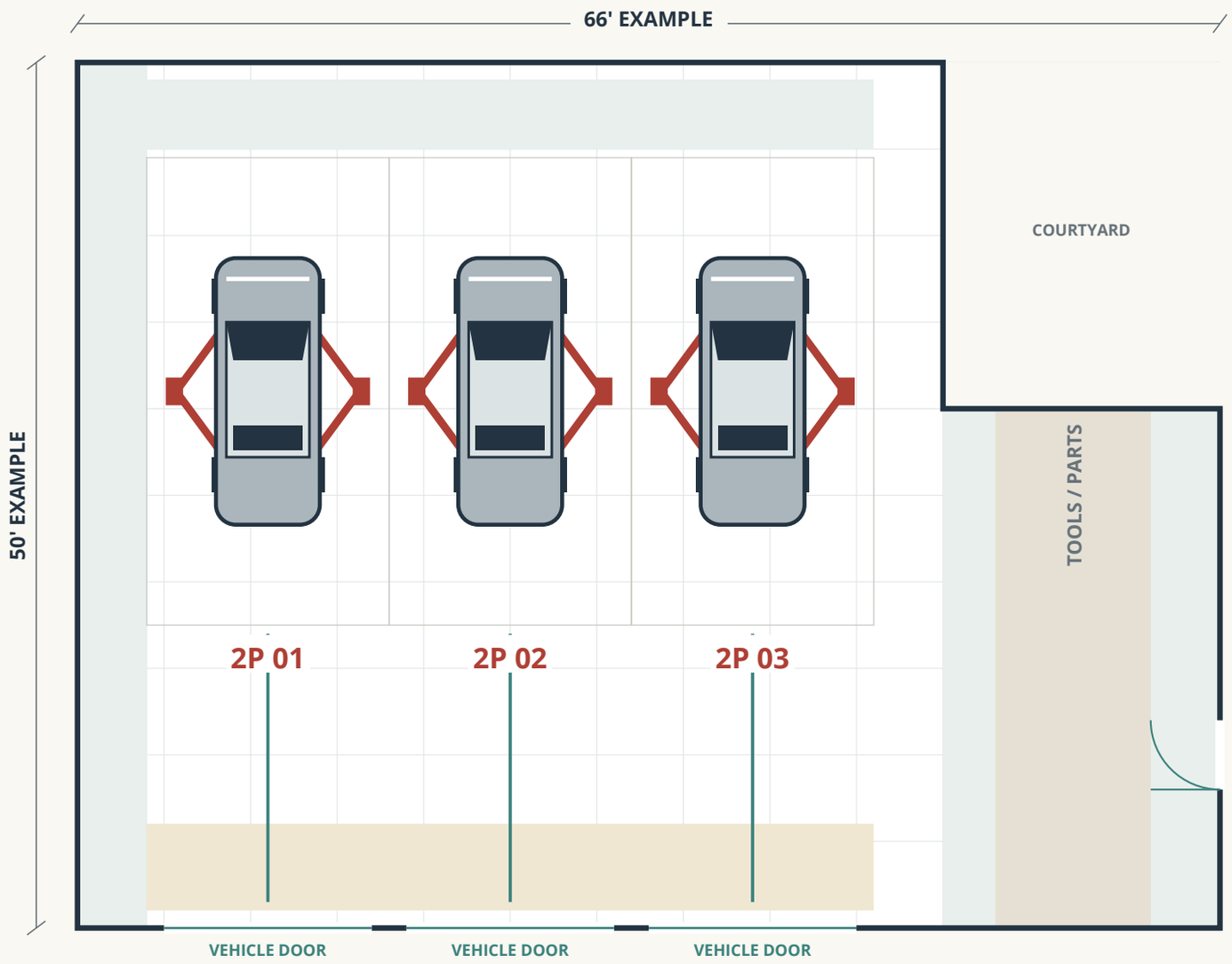
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20 GARAGE LAYOUT IDEAS

L-shaped restoration workshop

3 LIFTS / 66 x 50 FT EXAMPLE BUILDING



THE IDEA

A three-bay service row gains a side wing for parts and assembly. The cut-out corner leaves room for an exterior courtyard or future site circulation.

WHY THIS ARRANGEMENT

Move parts sideways instead of through another lift bay.

CHECK BEFORE YOU BUILD

The L-shaped footprint and structural span need project-specific design.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

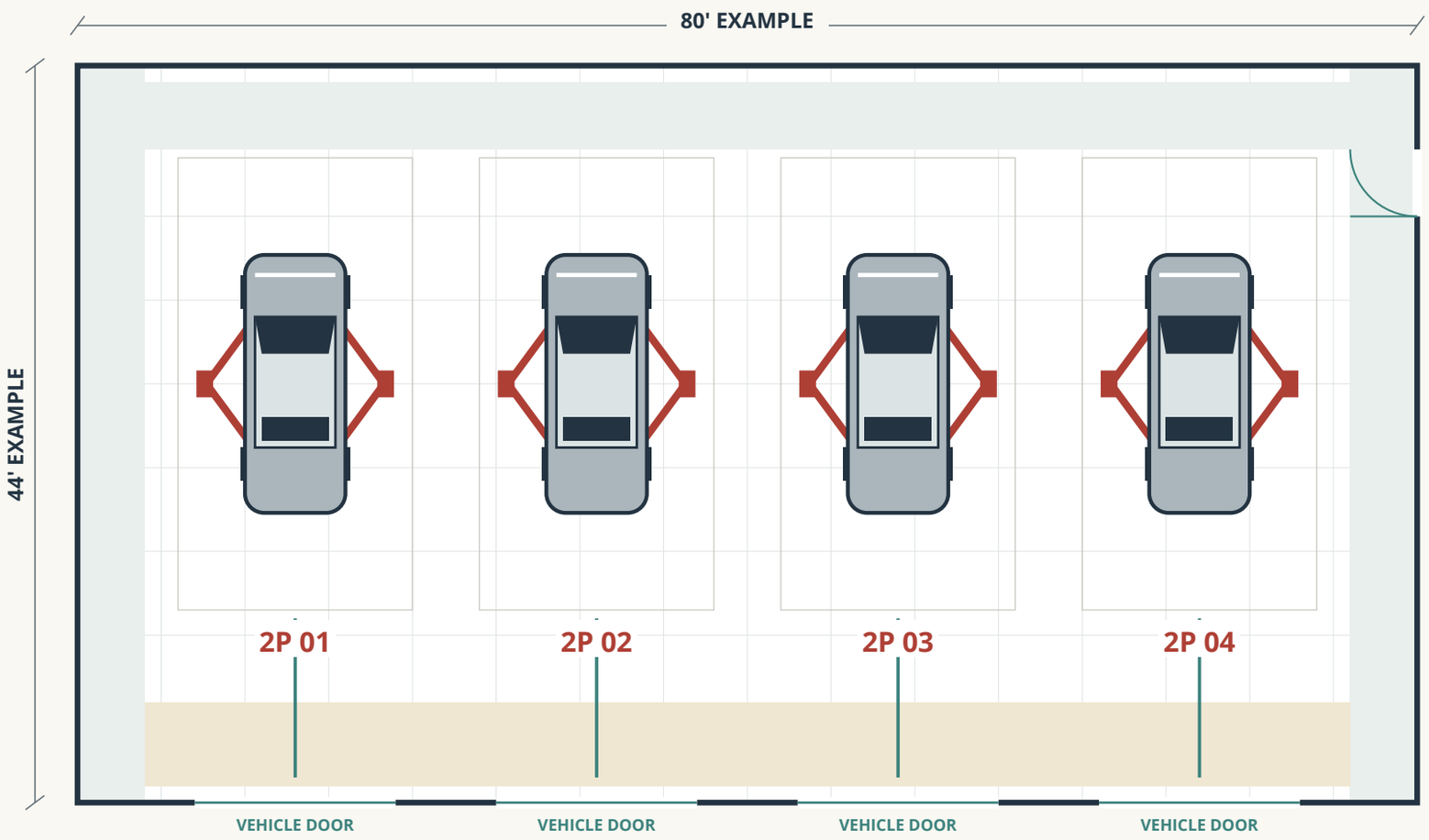
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20 GARAGE LAYOUT IDEAS

Four independent service bays

4 LIFTS / 80 x 44 FT EXAMPLE BUILDING



THE IDEA

Four front-entry bays give each technician a defined approach. Plan power, air and tools without crossing neighboring lift positions.

WHY THIS ARRANGEMENT

Keep the workflow easy to explain and repeat.

CHECK BEFORE YOU BUILD

The illustrated bay pitches are examples, not required minimums.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

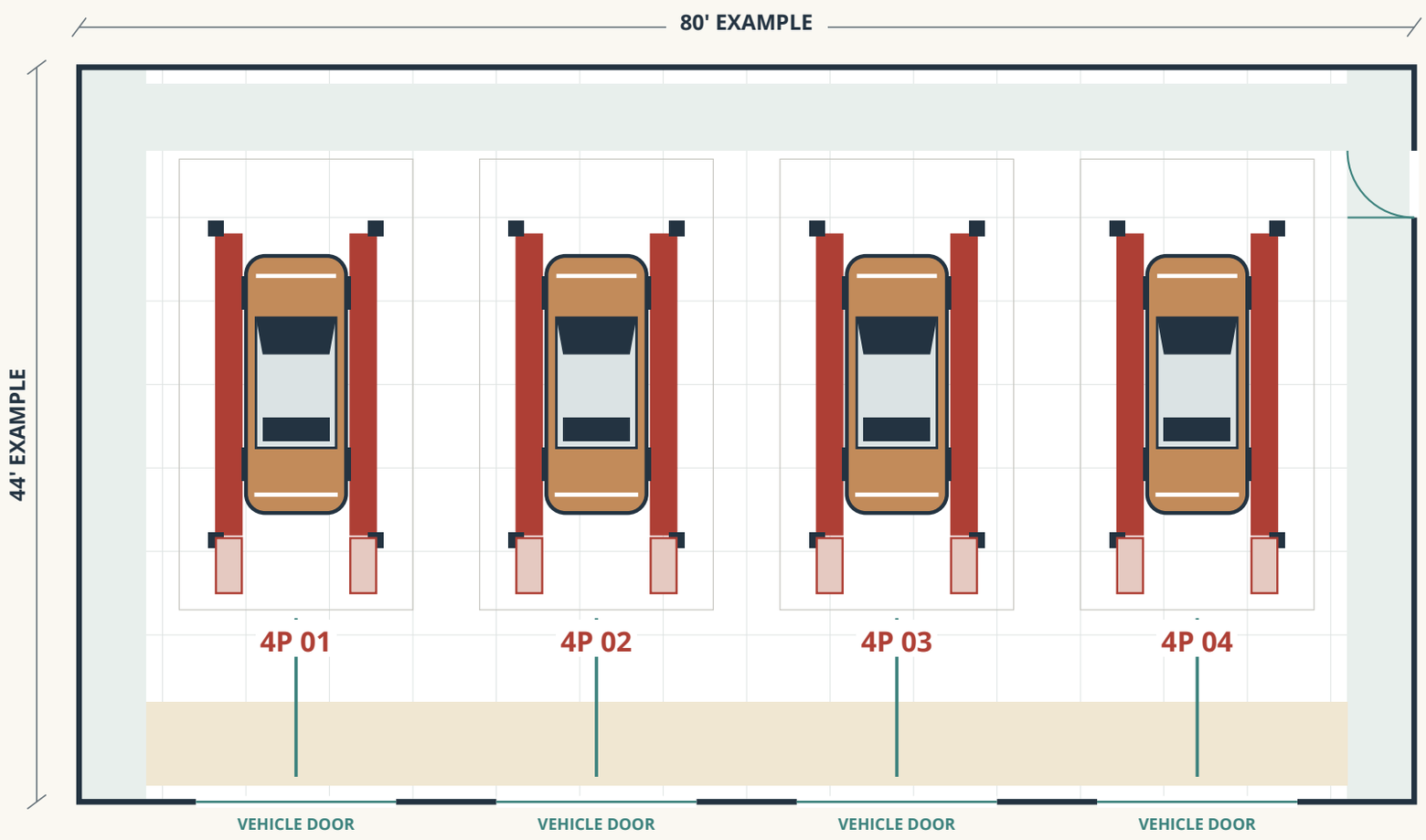
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20 GARAGE LAYOUT IDEAS

Four classic-car display bays

4 LIFTS / 80 x 44 FT EXAMPLE BUILDING



THE IDEA

A long collector garage with four four-post lifts creates a clear display rhythm and a rear walking strip.

WHY THIS ARRANGEMENT

Keep the collection visually organized.

CHECK BEFORE YOU BUILD

Check loading order, drip management and battery-maintainer routing.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

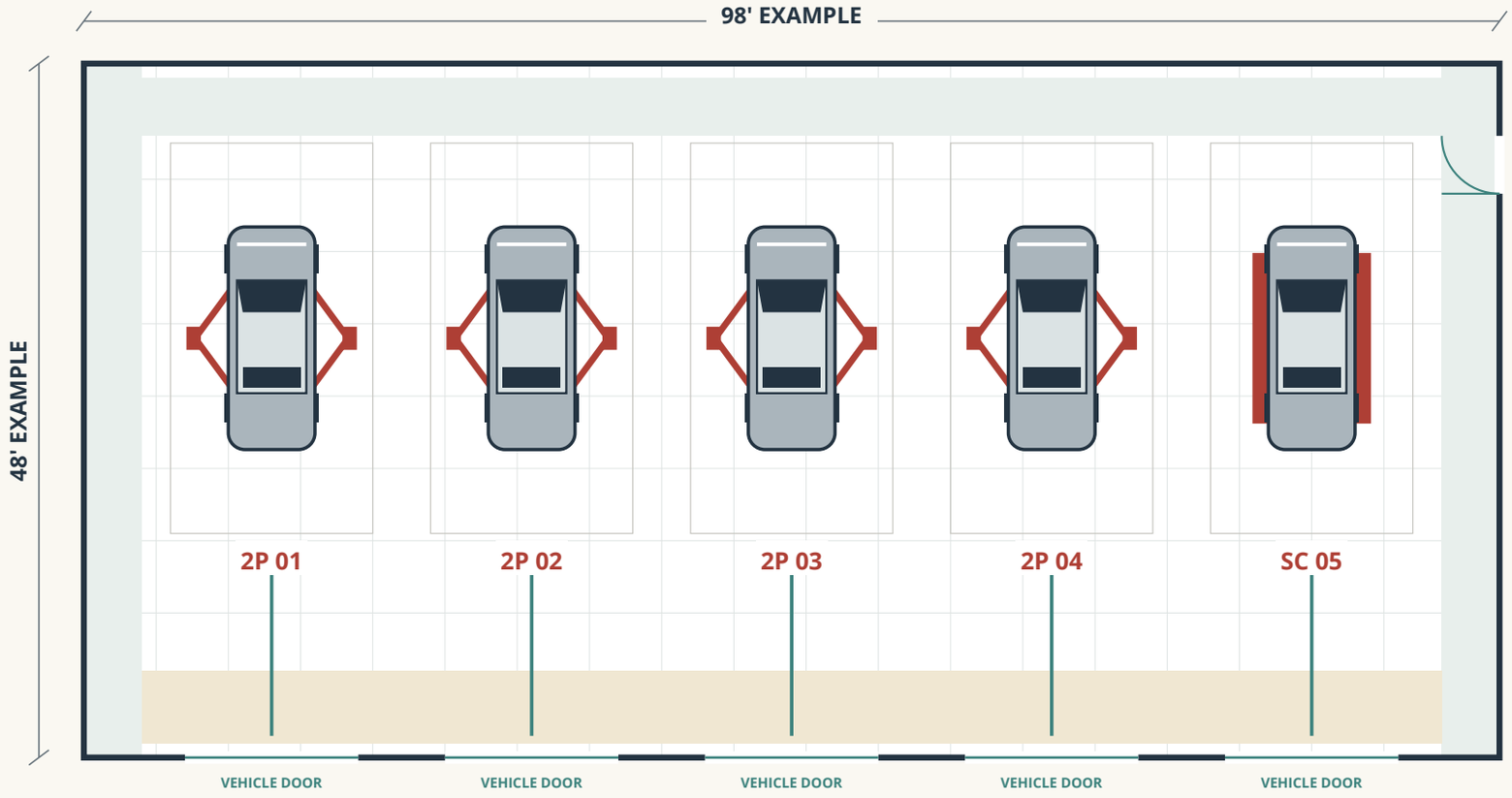
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20 GARAGE LAYOUT IDEAS

Five-lift restoration business

5 LIFTS / 98 x 48 FT EXAMPLE BUILDING



THE IDEA

Four general service bays and a finishing bay give a restoration shop room to separate work stages.

WHY THIS ARRANGEMENT

Reserve a distinct place for cleaner finishing tasks.

CHECK BEFORE YOU BUILD

Painting, welding and hazardous-material areas need their own professional design.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

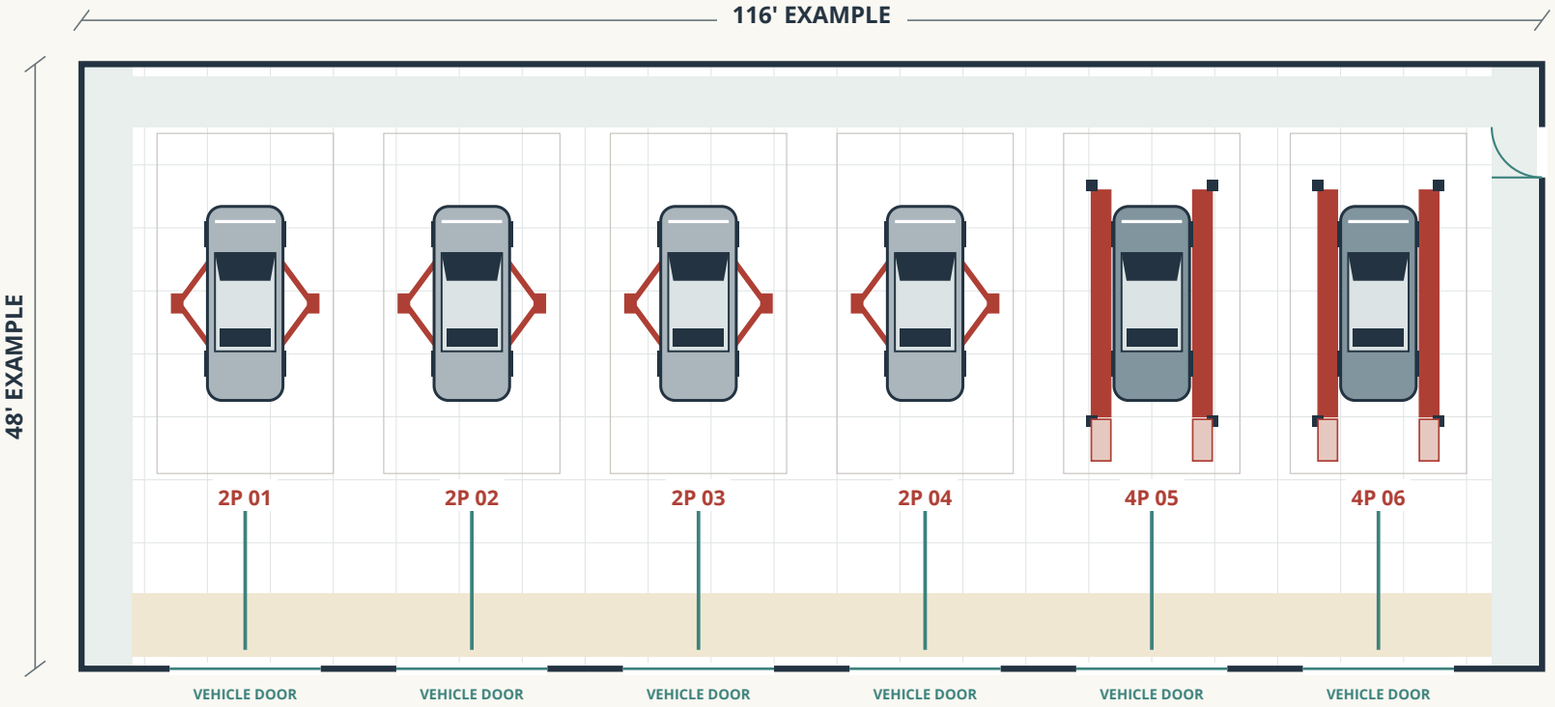
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20 GARAGE LAYOUT IDEAS

Six bays with mixed equipment

6 LIFTS / 116 x 48 FT EXAMPLE BUILDING



THE IDEA

Four two-post service positions share a row with two four-post positions for the work or storage they are approved to perform.

WHY THIS ARRANGEMENT

Choose each bay around a job, not one lift style for everything.

CHECK BEFORE YOU BUILD

Check the exact approved accessories and under-vehicle access for each four-post bay.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

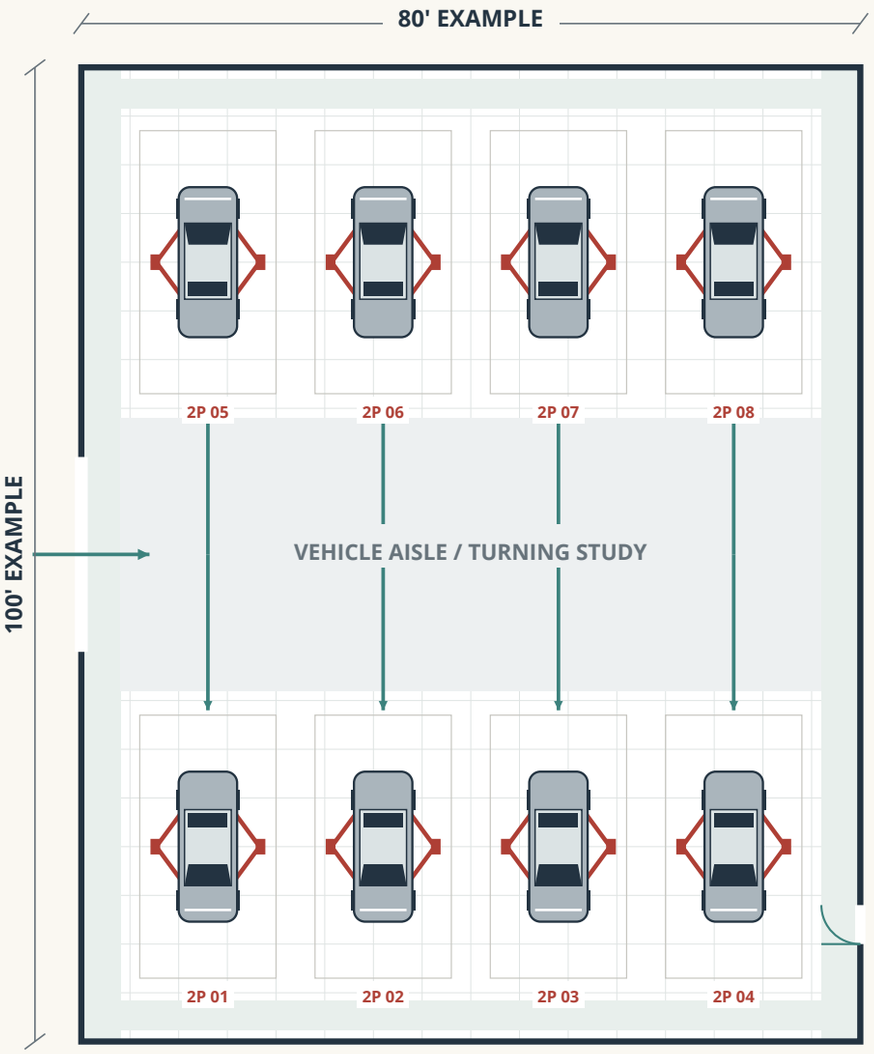
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20 GARAGE LAYOUT IDEAS

Eight lifts around a center aisle

8 LIFTS / 80 x 100 FT EXAMPLE BUILDING



THE IDEA

Two facing rows of four lifts share a central vehicle aisle. Perimeter walking routes connect the ends of each row.

WHY THIS ARRANGEMENT

A compact multi-bay circulation concept.

CHECK BEFORE YOU BUILD

Have a designer verify turning paths, sightlines and pedestrian separation.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

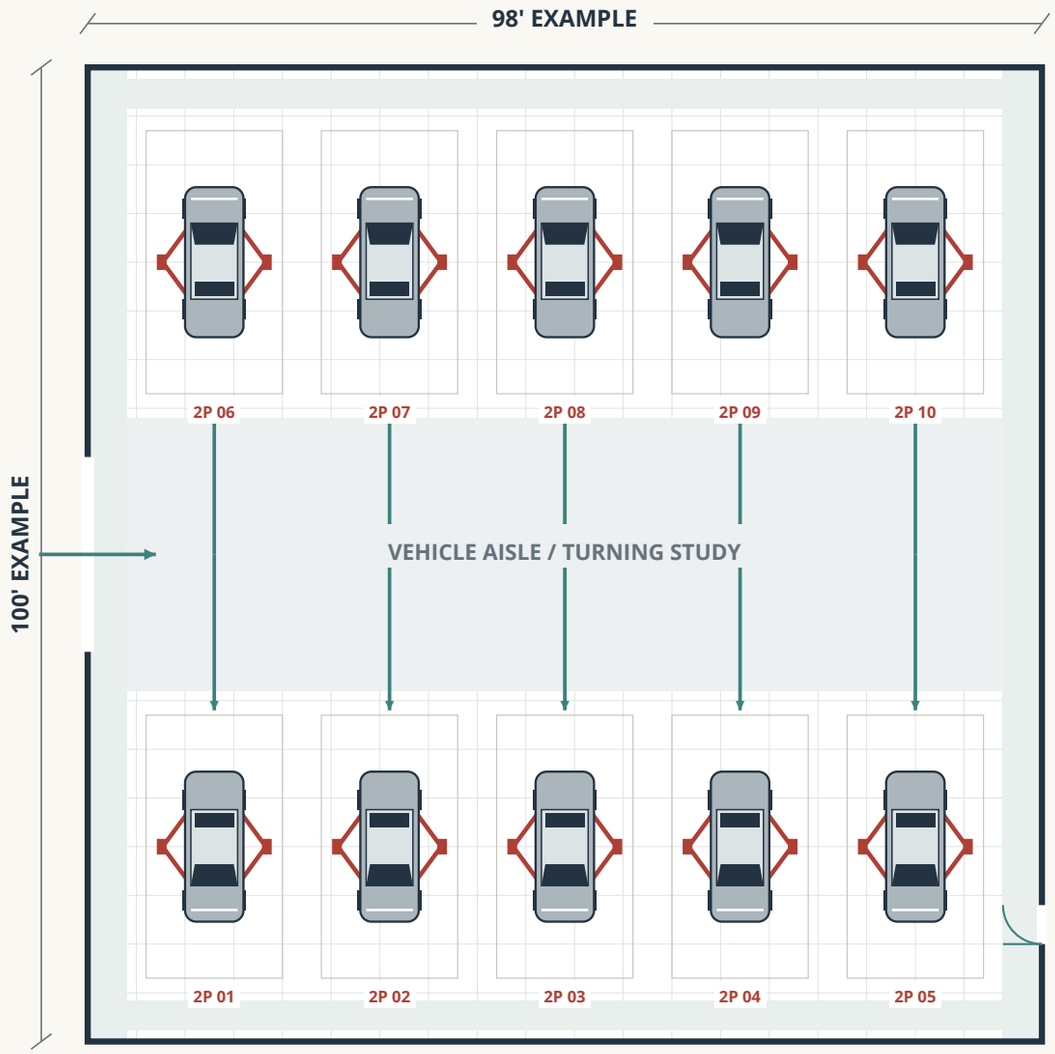
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20 GARAGE LAYOUT IDEAS

Ten-bay service center

10 LIFTS / 98 x 100 FT EXAMPLE BUILDING



THE IDEA

Two rows of five two-post bays flank a central aisle. A side entrance feeds the aisle without driving through another service bay.

WHY THIS ARRANGEMENT

Ten service positions with one legible internal route.

CHECK BEFORE YOU BUILD

Aisle width and door locations require swept-path and fire-access review.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

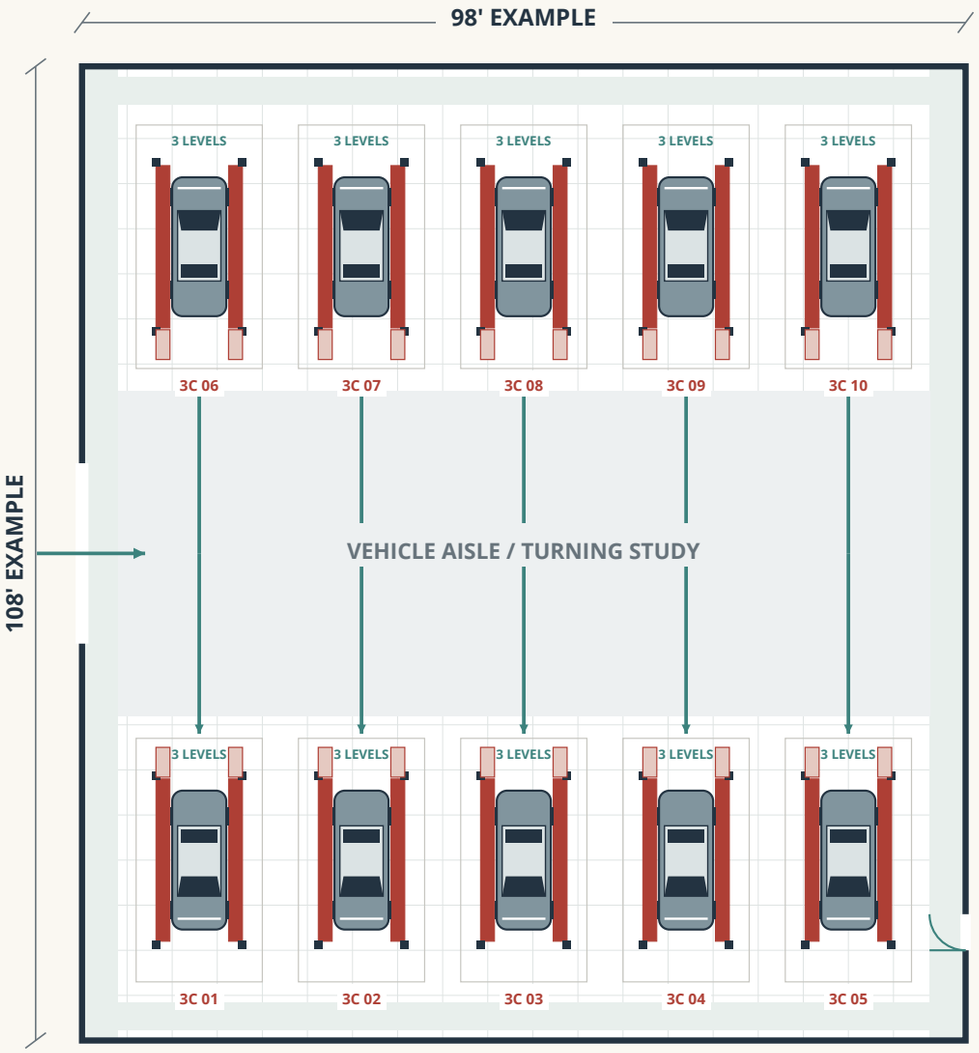
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20 GARAGE LAYOUT IDEAS

Ten triple-stackers under one roof

10 LIFTS / 98 x 108 FT EXAMPLE BUILDING



THE IDEA

Two rows of five three-car stackers create up to thirty conceptual vehicle positions, subject to each platform, vehicle and building check.

WHY THIS ARRANGEMENT

A large collection arranged around one central retrieval aisle.

CHECK BEFORE YOU BUILD

Triple-stackers have three vehicle levels; confirm the exact four-post model and retrieval sequence.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

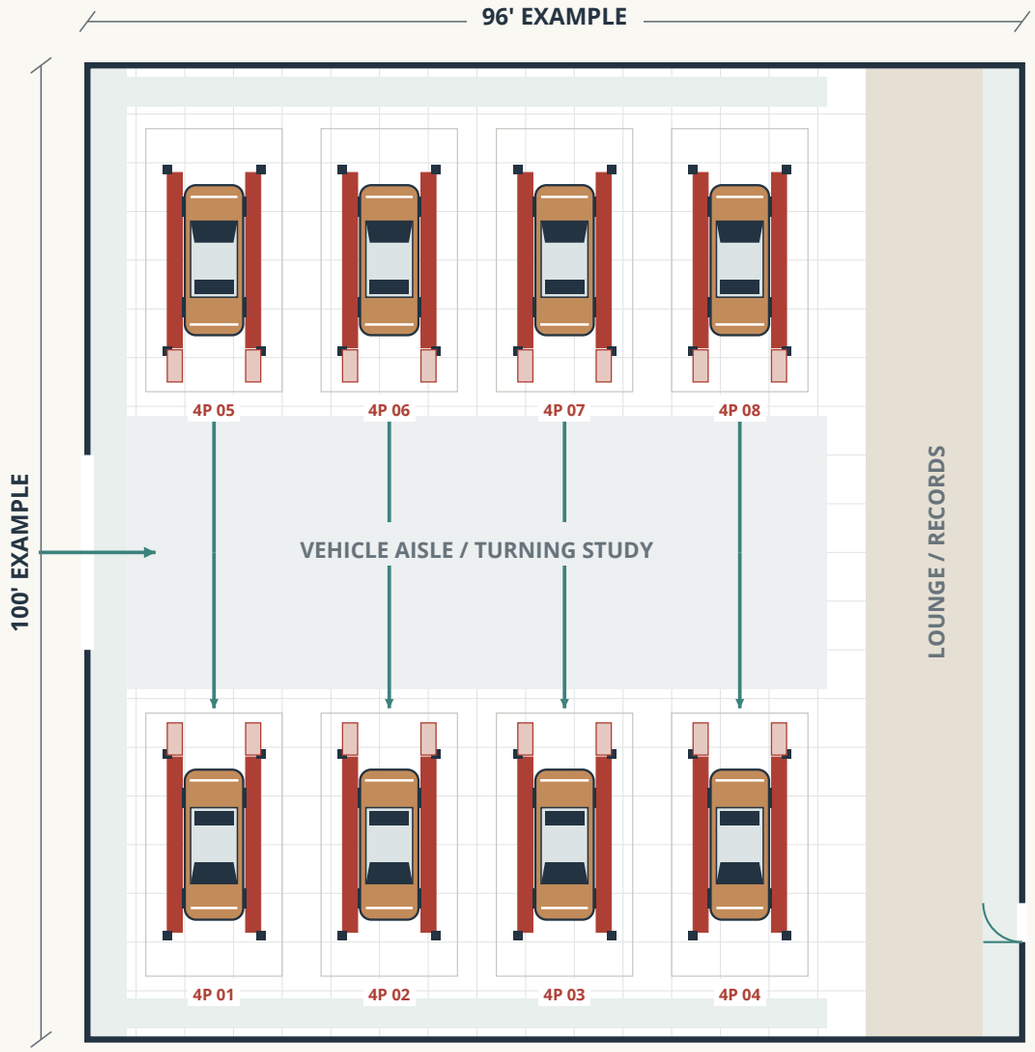
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20 GARAGE LAYOUT IDEAS

Classic collection with viewing lounge

8 LIFTS / 96 x 100 FT EXAMPLE BUILDING



THE IDEA

Eight four-post collector lifts face a central aisle, with a separate viewing and records wing. Keep visitors out of the active loading areas.

WHY THIS ARRANGEMENT

A collection space with a defined visitor side.

CHECK BEFORE YOU BUILD

Visitor access, glazing, occupancy and exits need building-specific review.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

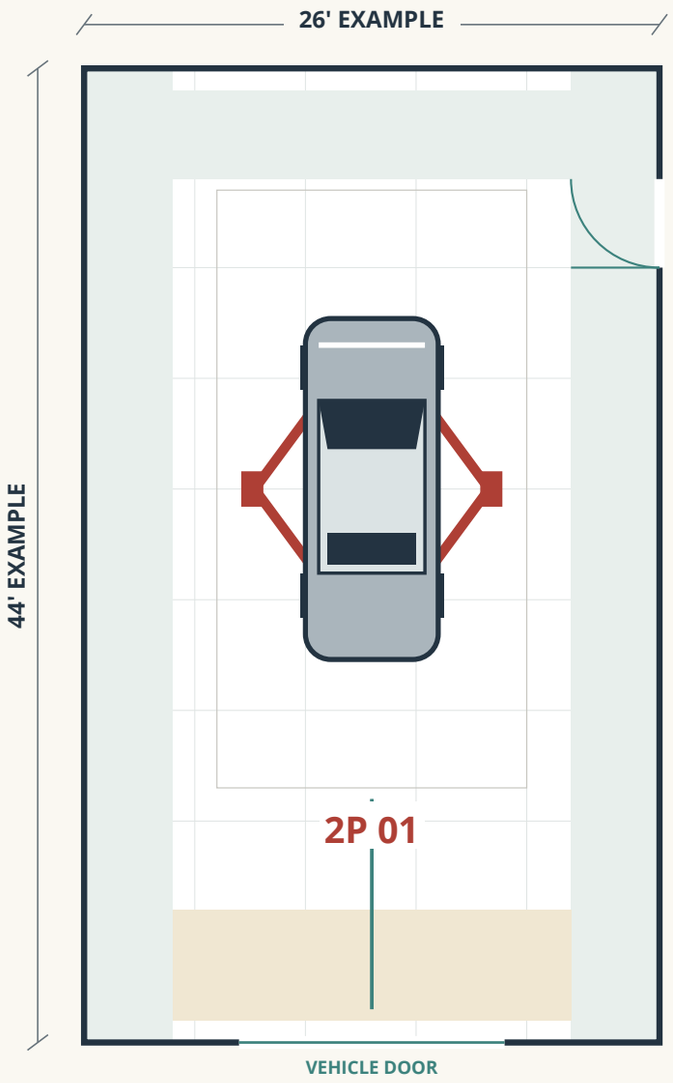
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ONE THROUGH TEN / STORAGE SKETCHES

1 lift - bay-count sketch

1 LIFT / 26 x 44 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Each bay has its own front entry.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

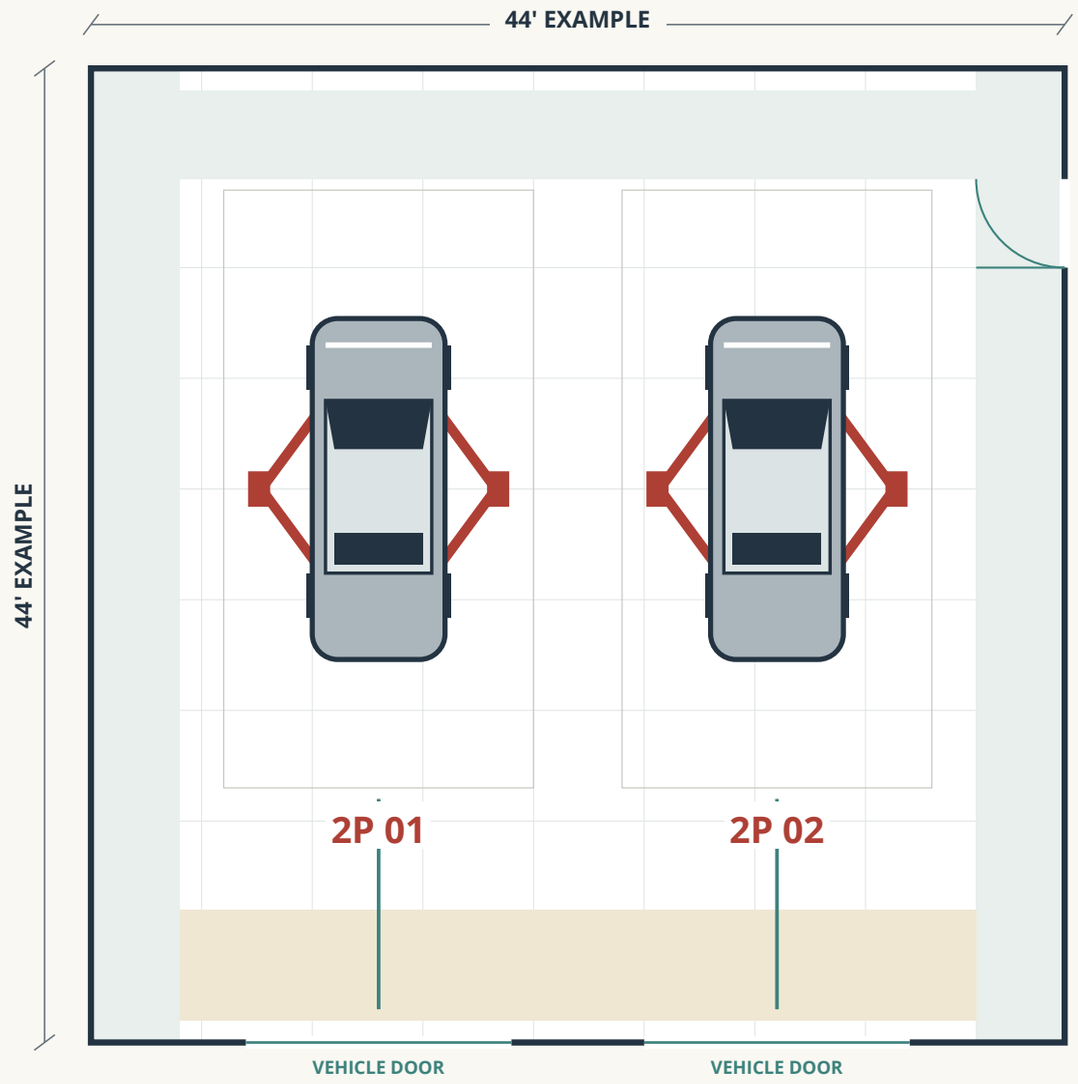
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ONE THROUGH TEN / STORAGE SKETCHES

2 lifts - bay-count sketch

2 LIFTS / 44 x 44 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Each bay has its own front entry.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

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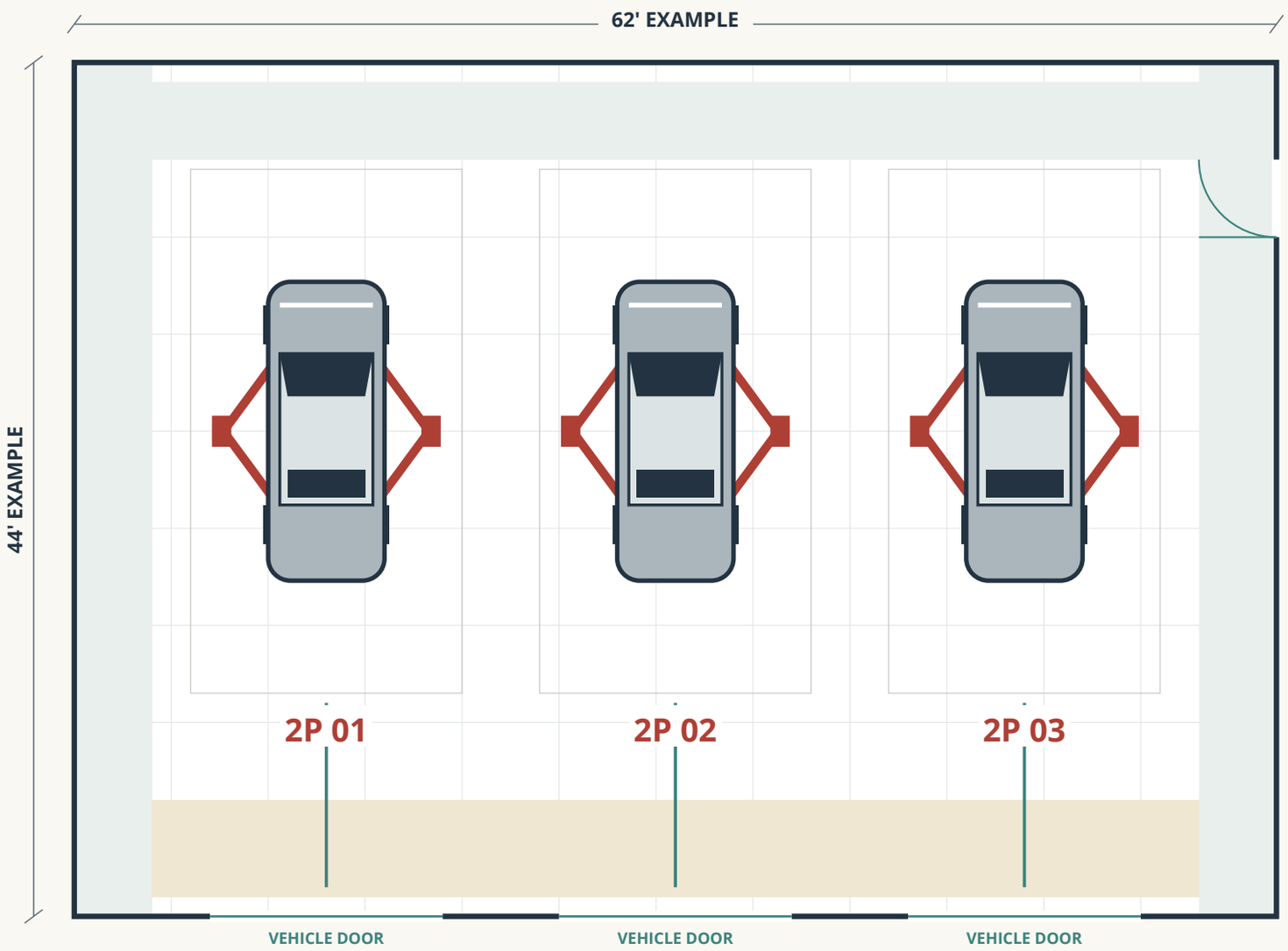
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Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

3 lifts - bay-count sketch

3 LIFTS / 62 x 44 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Each bay has its own front entry.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

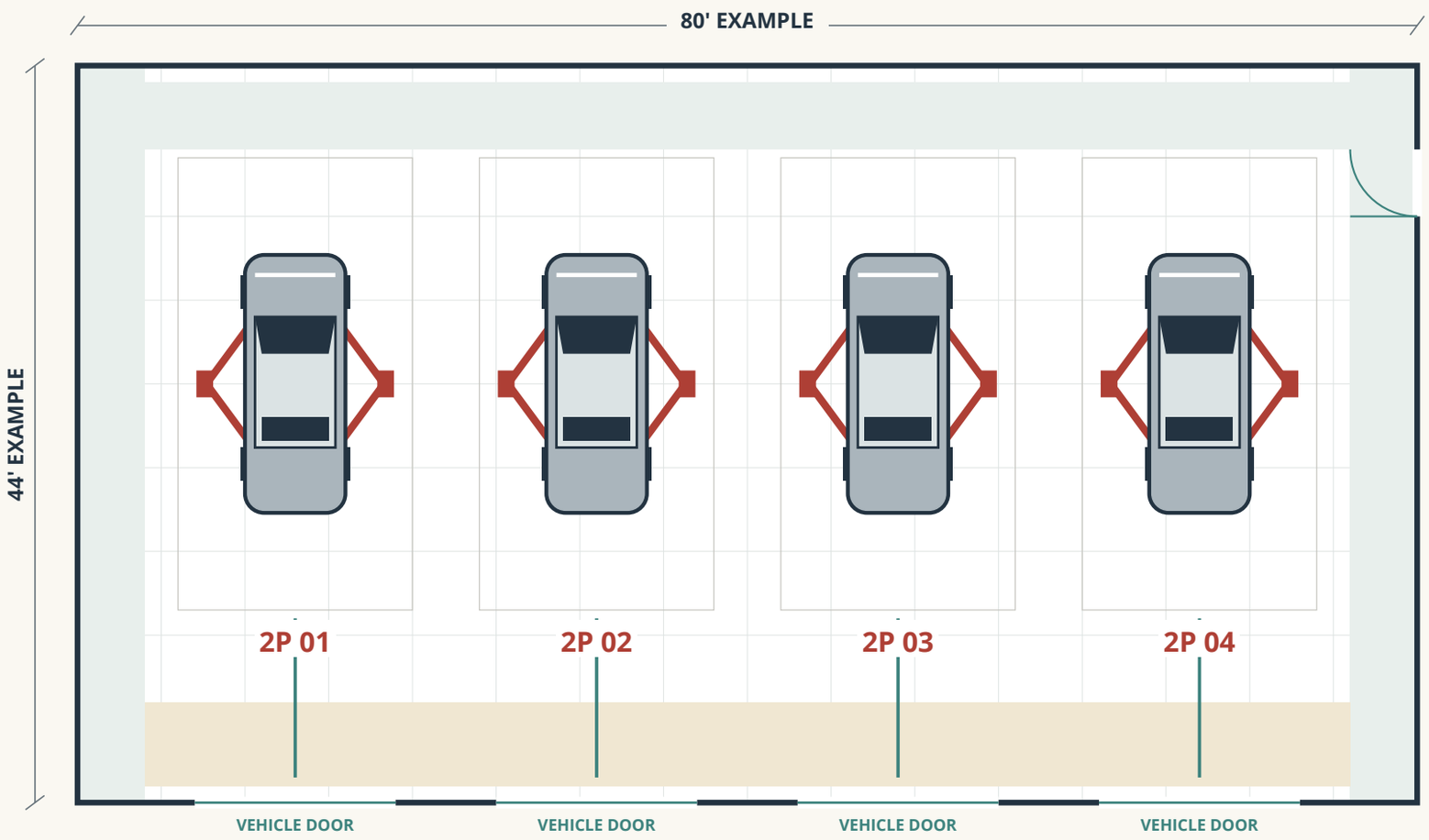
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

4 lifts - bay-count sketch

4 LIFTS / 80 x 44 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Each bay has its own front entry.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

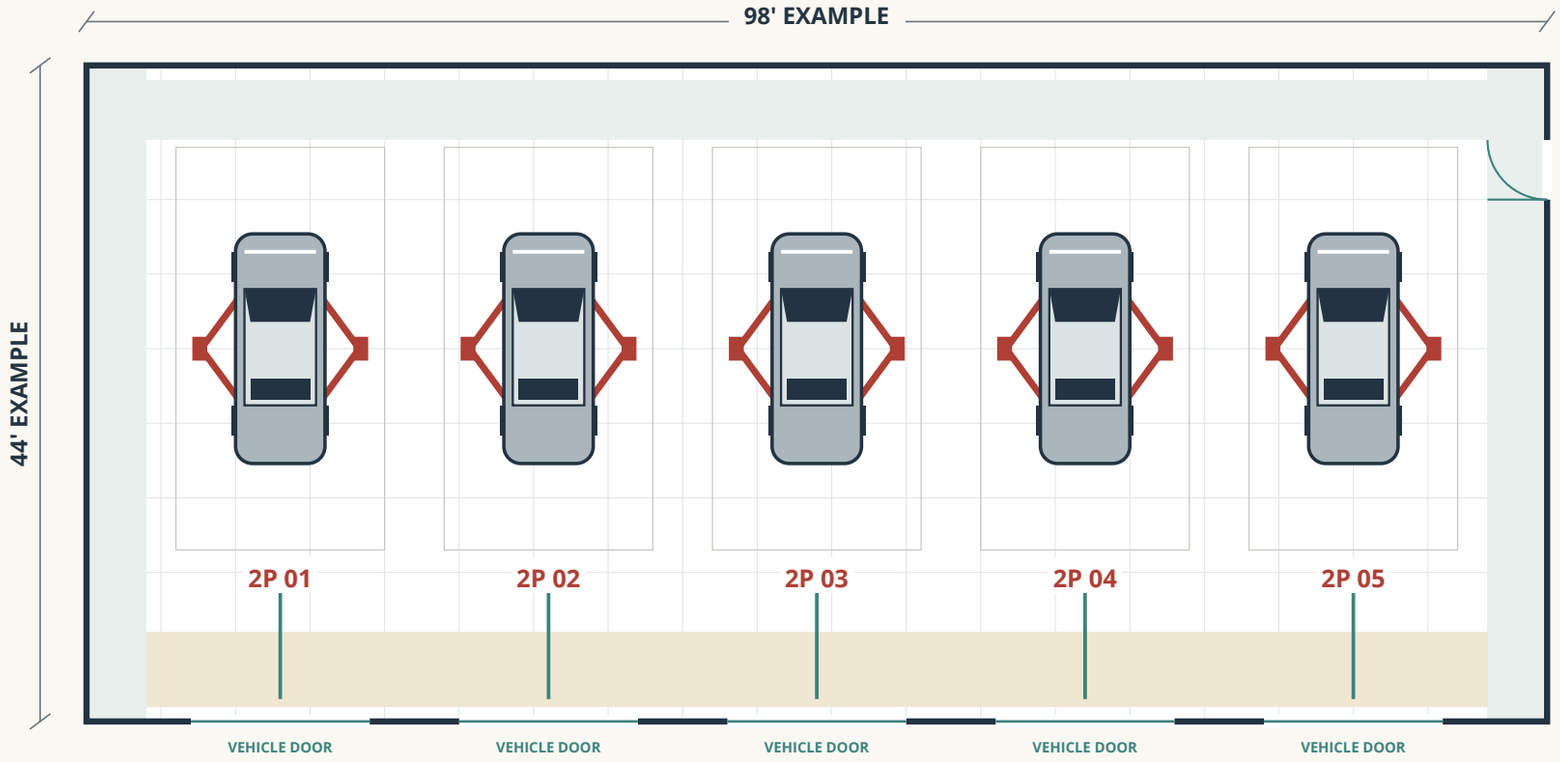
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

5 lifts - bay-count sketch

5 LIFTS / 98 x 44 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Each bay has its own front entry.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

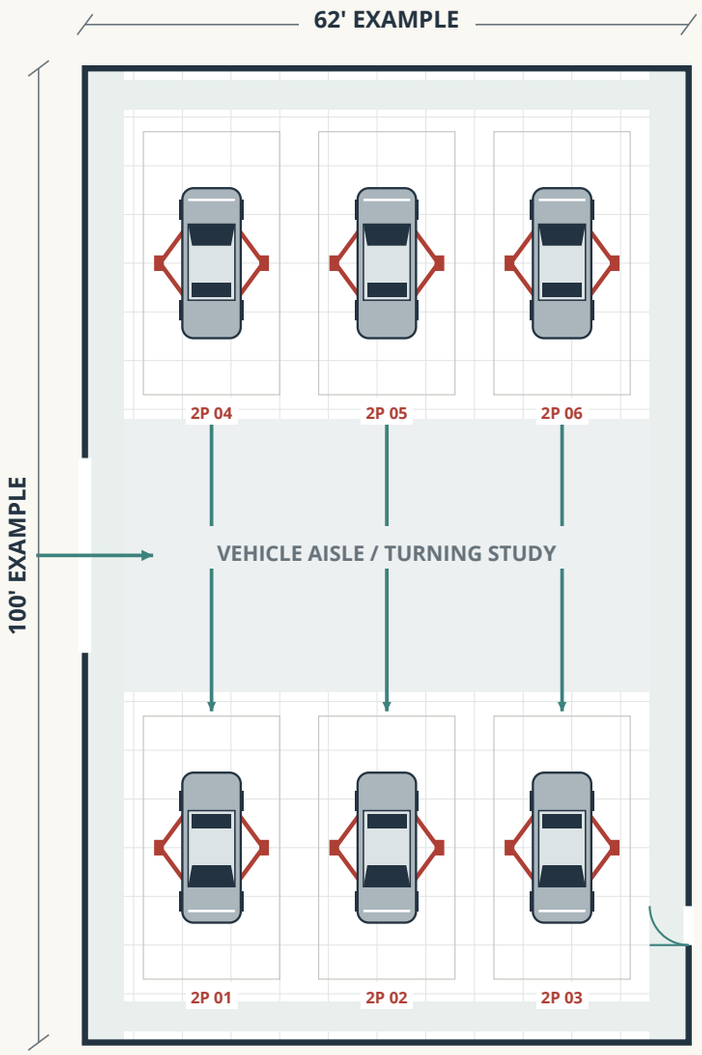
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

6 lifts - bay-count sketch

6 LIFTS / 62 x 100 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Facing rows share a central vehicle aisle.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

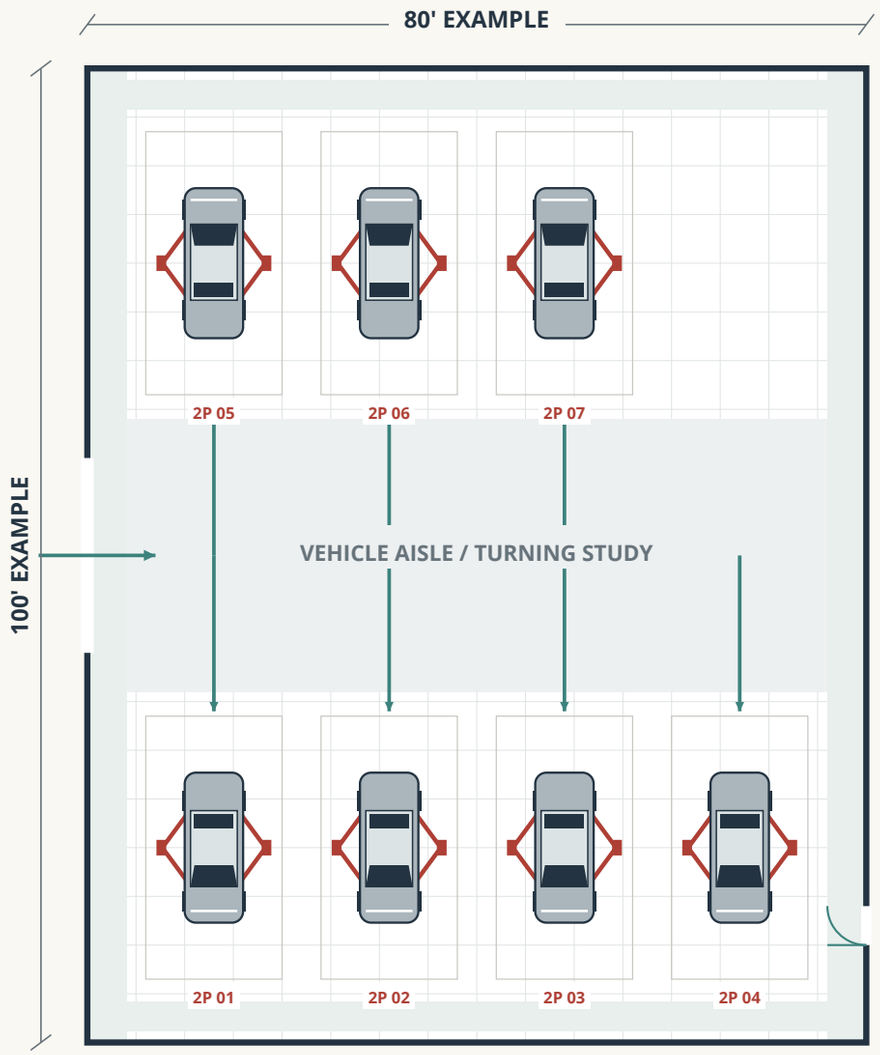
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

7 lifts - bay-count sketch

7 LIFTS / 80 x 100 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Facing rows share a central vehicle aisle.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

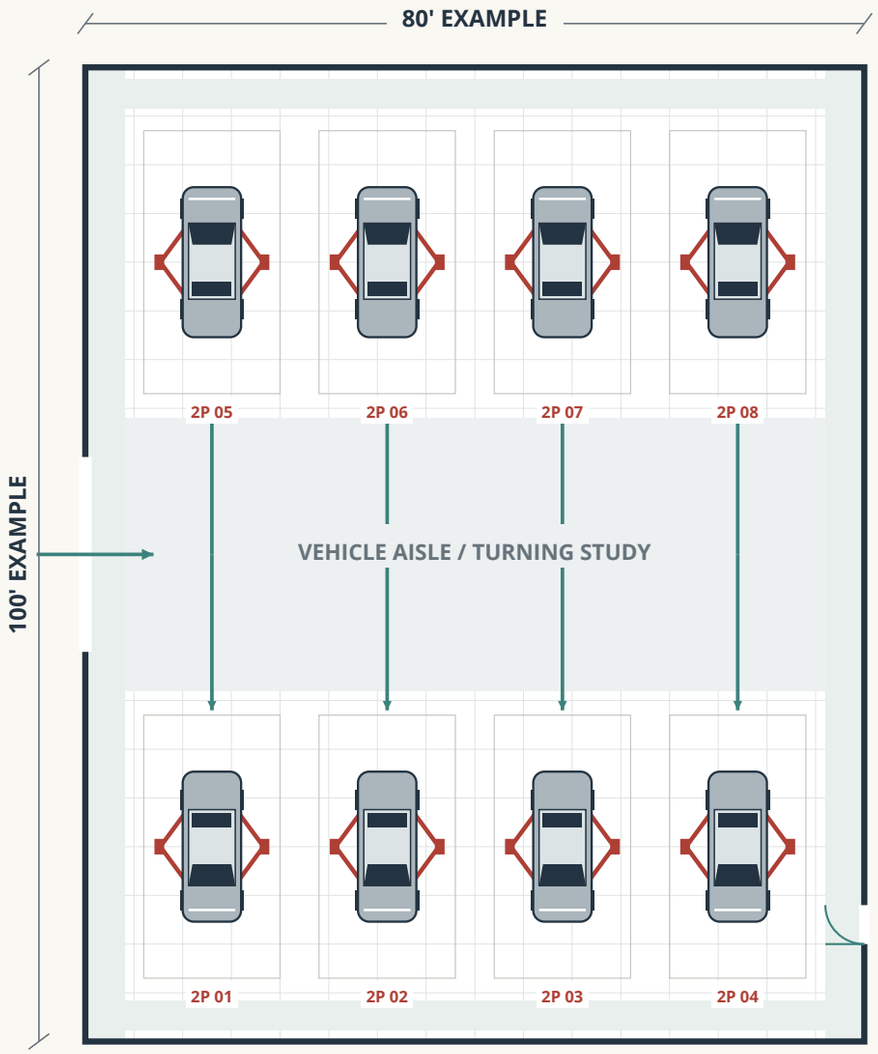
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

8 lifts - bay-count sketch

8 LIFTS / 80 x 100 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Facing rows share a central vehicle aisle.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

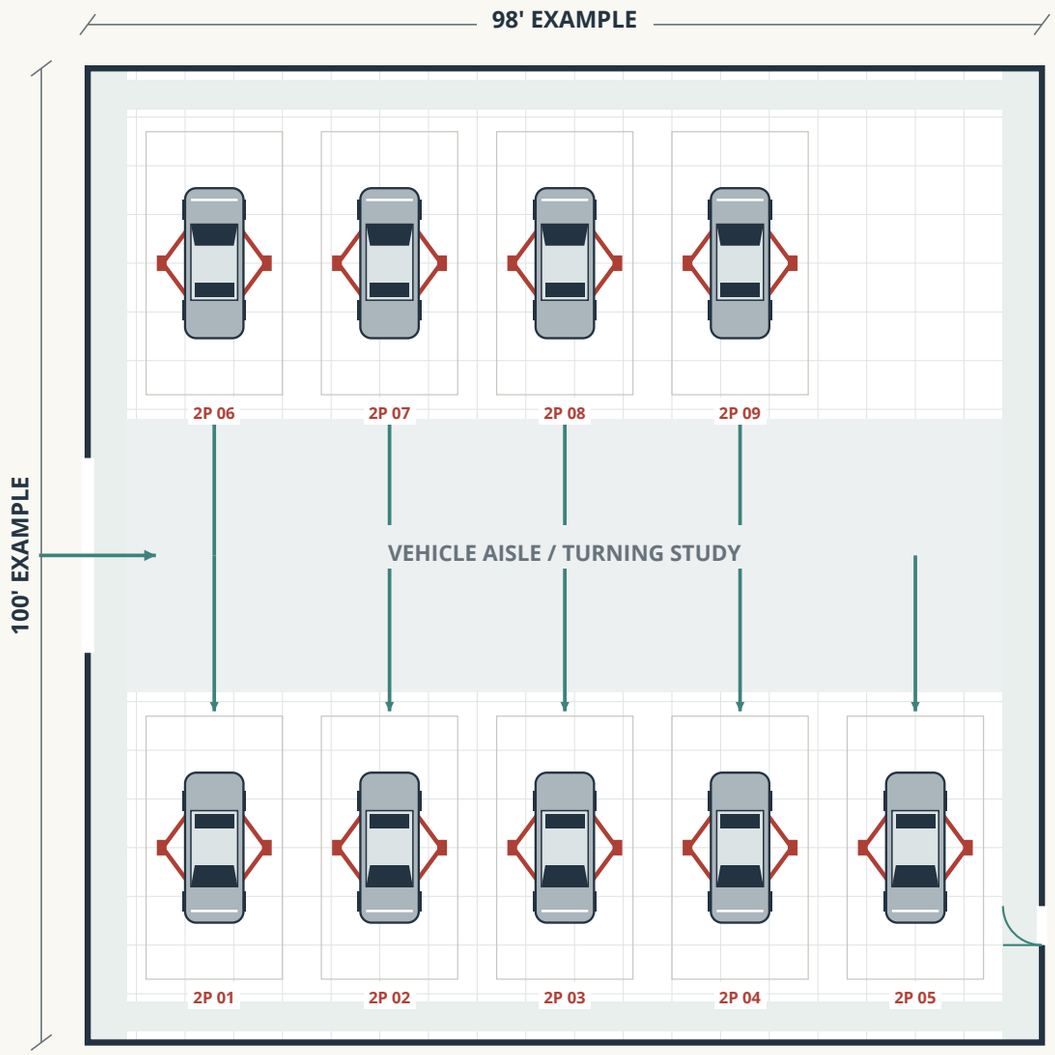
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

9 lifts - bay-count sketch

9 LIFTS / 98 x 100 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Facing rows share a central vehicle aisle.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

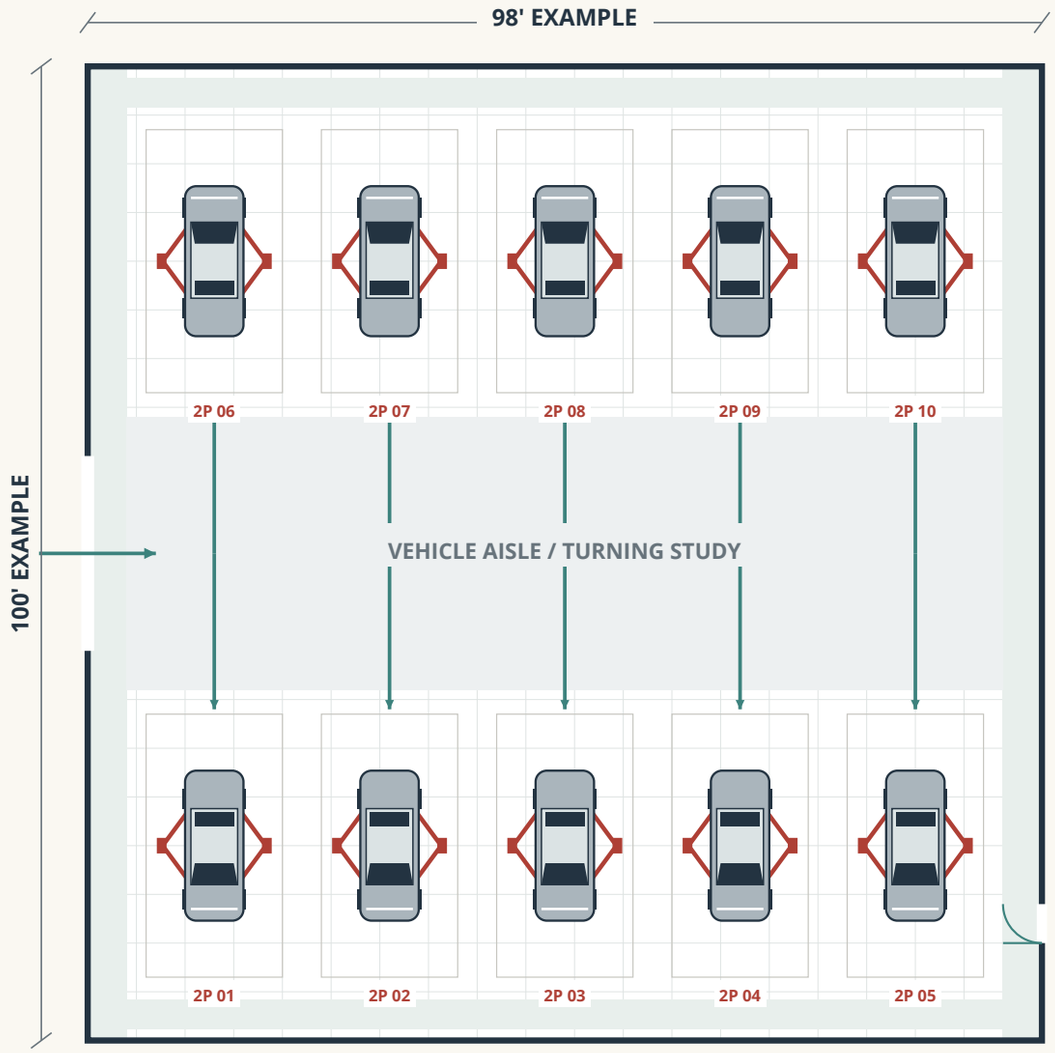
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

10 lifts - bay-count sketch

10 LIFTS / 98 x 100 FT EXAMPLE BUILDING



THE IDEA

A lift-count planning sketch using generic two-post service symbols. Facing rows share a central vehicle aisle.

WHY THIS ARRANGEMENT

Compare bay count, circulation and building shape.

CHECK BEFORE YOU BUILD

Example dimensions only. Replace symbols with exact manufacturer drawings.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

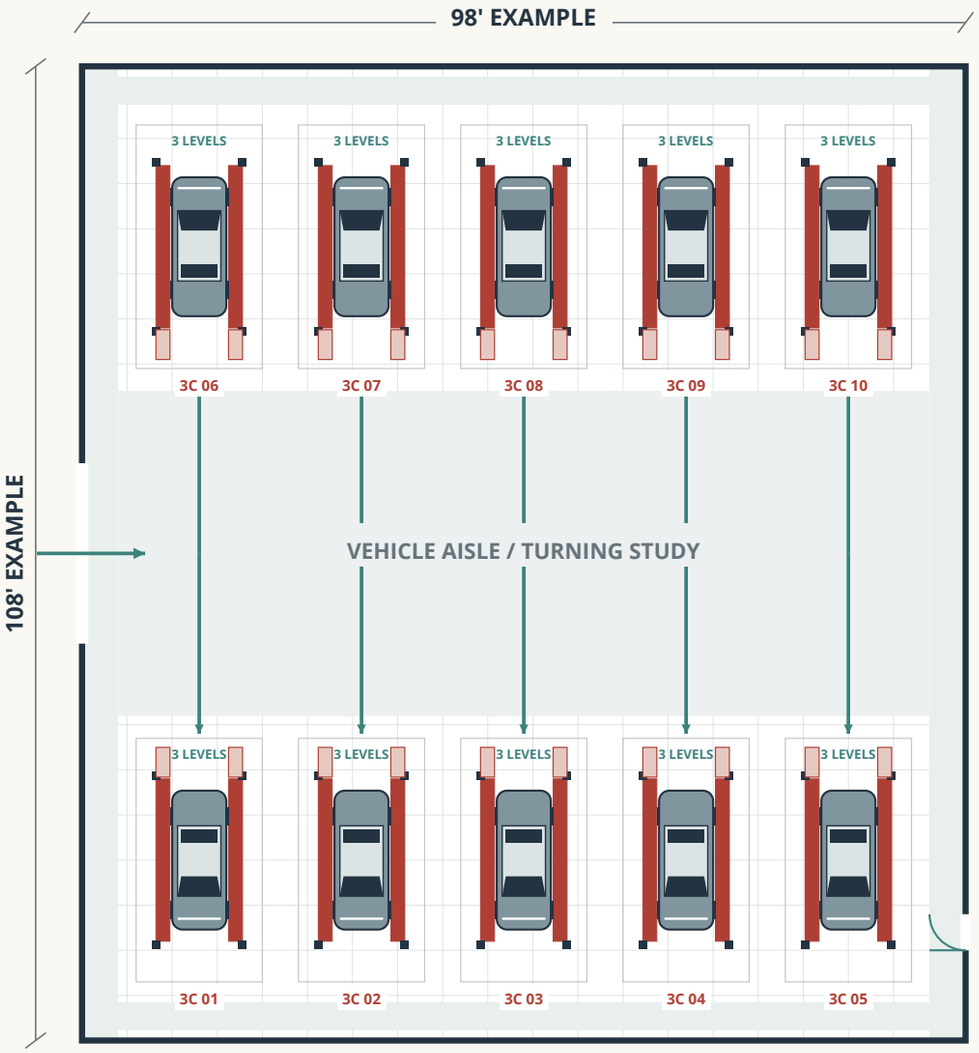
2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

ONE THROUGH TEN / STORAGE SKETCHES

Ten triple-stackers - large-building sketch

10 LIFTS / 98 x 108 FT EXAMPLE BUILDING



THE IDEA

Ten three-level storage lifts in two facing rows of five. Up to thirty vehicle positions are conceptual, not an approved storage capacity for a particular fleet.

WHY THIS ARRANGEMENT

Plan loading order and platform capacities separately.

CHECK BEFORE YOU BUILD

Height, foundations, utilities, fire protection and exact vehicle fit remain to be designed.

- Lift / equipment symbol
- Walking-route reserve
- Approach / ramp reserve
- Storage / support space

2P = two-post service lift
4P = four-post lift
3C = three-car stacker
SC = scissor lift

Example building envelope only. Lift symbols, bay reserves and arrows are schematic. Confirm exact equipment drawings, vehicle clearances, slab, overhead obstructions, utility locations, turning paths and exits with qualified professionals.

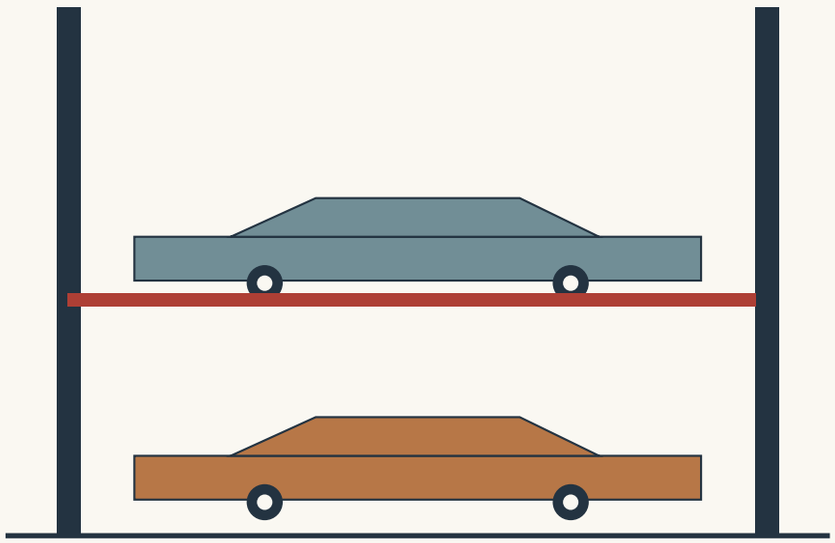
STORAGE HEIGHT / FINAL SKETCH

Classic-car storage - side-view sketches

TWO STORAGE TYPES / SYMBOLIC SIDE ELEVATIONS / NO HEIGHT PROMISE

FOUR-POST CLASSIC STORAGE

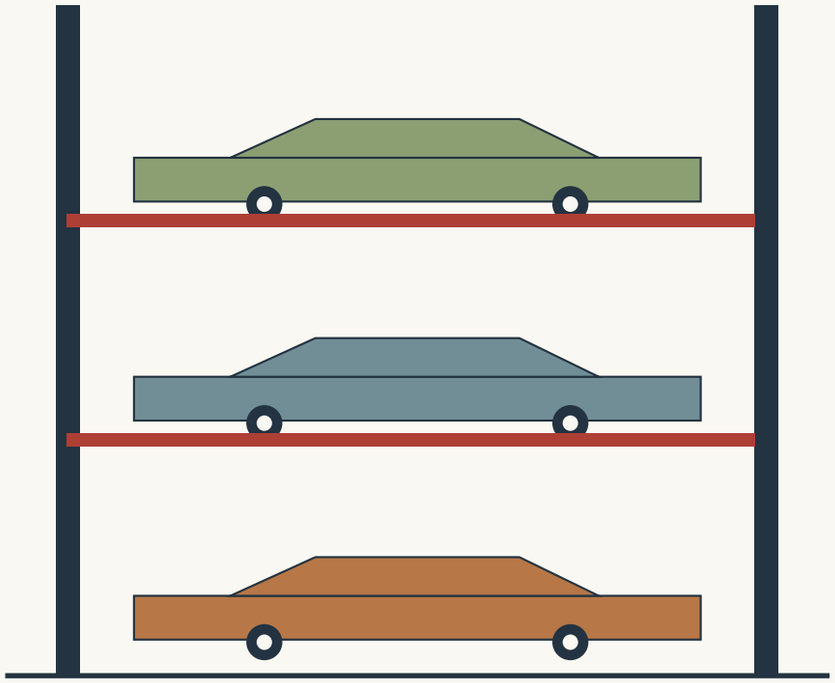
Plan the upper car and the car beneath it together.



2 VEHICLE POSITIONS - CHECK EACH LEVEL

THREE-CAR STACKER

Three levels still require a verified model and building.



3 VEHICLE POSITIONS - CHECK EACH LEVEL

HEIGHT CHECK

Raised platform elevation + actual upper-vehicle height + required overhead clearance must fit below the lowest obstruction. Also verify the lower vehicles, platform thicknesses, locking positions, roof accessories and garage-door travel.

Cars and lift structures are illustrative. Ten triple-stackers create up to 30 conceptual positions, subject to platform ratings and fit. These drawings do not approve a lift, a slab or a building.