National rollout program guide

Establish a consistent architectural enclosure standard, then coordinate each site's footprint, access and engineering. This guide follows an Alpine Citadel rollout from prototype detail through delivery and installation.

70+
locations installed, including 60+ for a multi-state tire & automotive service brand

50 states
sealed structural calculations available

< 1 week
typical engineering turnaround after complete site inputs

1 day
on site for most enclosures, on a prepared slab

01 WHO THIS GUIDE IS FOR

Brand construction & development managers
One enclosure standard, one price per size nationwide, and a status list for every site in the pipeline.

Prototype architects
Drop-in CAD details and a CSI guide spec as basis of design. Alpine adapts and engineers each site; your prototype set stays unchanged.

National GCs
One kit per site, tagged by bay, installed by one crew, most in one day. No mason, no separate gate contractor, no continuous wall footing.

Owner's reps
Sealed calculations for each site, complete submittal packages and a documented quality record behind every kit.

02 WHY A STRUCTURAL STEEL STANDARD ENCLOSURE FOR A PROTOTYPE

- **One detail that works at every address.** The standard detail is fixed; each site is engineered for its own wind speed, exposure category, risk category, height, anchors and foundation to ASCE 7-22, with sealed calculations available in all 50 states.
- **The same build at every site.** Same kit, same gates, same finish. The result does not depend on local masonry crews, whose wall pricing varies from $14 to $32 per square foot by region (Terrapin Construction Group, May 2026, citing RSMeans).
- **Schedule that fits the pad.** Most enclosures install in one day on a prepared slab with one crew, and no continuous wall footing, cure time or separate gate trade.
- **Structural steel, not panels.** 4 in square structural steel tube posts, 8 in round steel gate posts, hot-dip galvanized ¾ in base plates and solid steel tube slats captive in the post channels. Noncombustible.
- **Hauler-ready gates.** 12 ft or 16 ft clear, double leaf (standard); 20 ft clear, 6 ft single leaf, corner-hinged and multiple gates (custom). Heavy-duty lockable latch box, cane bolts with slab sleeves and hold-open cane bolts.
- **Passes design review.** 100% opaque solid-slat face; galvanized steel powder coated to Qualicoat standards, superdurable polyester with UV protection, in any RAL color to match the building; covered, steel-roofed enclosures where required.

03 PROOF AT PROGRAM SCALE

70+

70+ locations installed, including 60+ for a multi-state tire and automotive service brand.

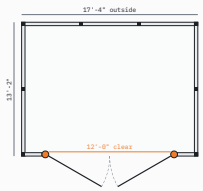
One Alpine Citadel standard, engineered site by site across several states and delivered as one kit per enclosure.

04 HOW THE PROGRAM WORKS

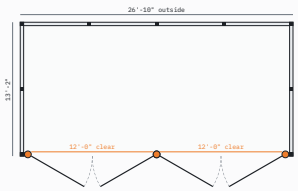
1. **Prototype detail** — Adopt once
2. **Site layout and engineering** — Under 1 week per site
3. **Phased releases** — Timed to construction
4. **Kitted by site** — One kit per enclosure
5. **Installed or supply-only** — Most enclosures one day on site

STEP	WHAT HAPPENS	WHAT YOU RECEIVE
1 **Prototype detail**	Alpine Citadel standard details and guide spec go into the prototype set as basis of design or an approved alternate. The brand picks its configurations, height and finish color once.	CAD details, CSI guide spec, example sheets, program price per configuration
2 **Site layout and engineering**	For each site plan, Alpine solves the layout to the drawing (overall dimensions within ±1 in) and engineers it for that address: wind speed, exposure, risk category, height, anchors and foundation, to ASCE 7-22.	Layout and bay schedule, sealed calculations (all 50 states), submittal package
3 **Phased releases**	Sites are released in batches matched to the construction schedule, so kits arrive when the slab is ready and not months early. Shipments are consolidated by release.	Release plan and a per-site status list from layout through delivery
4 **Kitted by site**	Each enclosure ships as one kit, tagged by bay, with hardware packed 10% over, spare slats, a packing list and the layout drawing. Every gate is function-tested before shipping.	A complete kit per enclosure, marked for its site; the slab is by others
5 **Installed or supply-only**	Installed by Alpine (the typical installed prices), or supply-only kits for the GC's crew, with the installation guide, the layout drawing in every kit and phone support. One crew; no mason, no separate gate contractor.	An installed enclosure on a prepared slab, or a supply-only kit with installation guide and phone support

Example configurations for the prototype set (8 ft shown; 6 and 7 ft use the same plans)



Single · nominal 12 × 16 ft · interior 16'-8" × 12'-2" · one 12 ft clear gate · container + carts



Double · nominal 24 × 12 ft · interior 26'-2" × 12'-2" · two 12 ft clear gates on a shared center post · 2 containers

Any size is engineered per site. These two examples and their prices are published for comparison; Alpine Citadel costs less than CMU. Where center posts are prohibited, a wide single opening is designed per project. Revit families on request.

Who does what

PARTY	ROLE IN THE PROGRAM
Brand construction	Approves the configurations and finish; releases sites to the program; one point of contact at Alpine.
Prototype architect	Places the Alpine Citadel details and guide spec in the prototype set.
Site civil / project engineer	Locates the enclosure on the site plan and designs the slab; Alpine provides the slab and base-plate requirements.
General contractor	Pours the slab with its thickened zones, receives the kit, and hosts Alpine's install or installs a supply-only kit.
Alpine	Layout, site engineering and submittals; fabrication, quality control, kitting and delivery by release; installation, or phone support for supply-only kits.

05 QUALITY PROGRAM

Every kit is built and released under three written procedures. The welds and coatings that matter are hidden by the time an enclosure reaches the site, so the evidence is created during fabrication, on bare metal, and reviewed by Alpine before anything ships.

A Weld quality program

- A written weld specification sizes every welded joint on the product and lists the joints that must never be welded.
- Welding to written procedures by qualified welders.
- One visual acceptance standard, with accept and reject reference sheets posted at the weld bay.
- Every weldment photographed on bare metal before galvanizing or coating, and logged.
- An incomplete weld log stops the release.

B First-article inspection

- On a new production run, the first of each assembly is photographed at every joint and measured against the drawings.
- Series production proceeds only on Alpine's written approval.
- Gauges proven and the powder color matched to the approved swatch before the run.
- A complete bay is mock-assembled with its slats before any kit is packed.

C Packaging and labeling QA

- Every slat channel checked with go/no-go gauges after welding and again after powder coat.
- Every gate hung and function-tested before shipping.
- Parts tagged by bay, type and height; hardware bagged, labelled and packed 10% over.
- Two independent counts against the kit manifest; crates weighed and marked by site.
- Written release after pre-shipment inspection. One site per crate set.

06 APPROVALS AND PERMITS

- **Accepted in the majority of jurisdictions** for trash enclosures and general enclosure systems.
- **Where a code names masonry,** Alpine provides an alternate-materials submittal: sealed calculations, product data and a building-matched finish, submitted under the building code's alternative materials and methods provision. Acceptance is the building official's decision.
- **Permits.** IBC §105.2 exempts fences up to 7 ft from a building permit; 8 ft and roofed enclosures usually need one. The per-site sealed calculations support the application.
- **Opaque screening.** The standard solid-slat face is 100% opaque and meets opaque-screening requirements.
- **Haulers.** 12 ft clear per container is typical; gates must hold open and closed. Standard gates are 12 ft or 16 ft clear, with hold-open cane bolts.
- **Tire storage.** IFC §3407.2: outdoor tire storage over 20,000 ft³ needs a fence at least 6 ft high with gates at least 20 ft wide. 20 ft clear gates are a custom design.
- **Not a sound or fire barrier.** Slatted screens are not noise barriers, and near battery storage they do not replace NFPA 855 clearances.

07 PRICING

SINGLE · NOMINAL 12 × 16 FT	DOUBLE · NOMINAL 24 × 12 FT
$15,000–20,000	**$21,000–30,000**
one 12 ft clear gate	two 12 ft clear gates

Typical installed cost for an 8 ft Alpine Citadel enclosure, excluding slab and site work, is $15,000–20,000 for a single and $21,000–30,000 for a double, including the engineering package for the example configurations. Program pricing for multi-site rollouts is available on request. Installed covers the kit, anchors, finish, delivery and installation; slab, bollards and permits are excluded. Ranges are typical, not quotations.

- **Program pricing** for multi-site rollouts: one price per configuration, nationwide, quoted for the program.
- Ranges are for 8 ft; 6 and 7 ft enclosures cost less.
- **Supply-only kits** for your contractors, with the installation guide and phone support, are quoted per project.
- For a line-by-line comparison with CMU block enclosures, see the cost and schedule study AES-CIT-CMU-01.

08 INDUSTRIES SERVED

Tire & automotive service
Trash and tire-storage enclosures; used-oil and parts storage.

Convenience & fuel
Trash and compactor enclosures; equipment and propane screening.

Drive-thru QSR & coffee
Compact trash enclosures that keep pace with fast kiosk builds.

Express car wash
Trash enclosures; vacuum and equipment screening.

Energy & data centers
BESS, substation, generator and transformer screen walls.

Retail & rural big box
Outdoor storage yards and perimeter screening.

EV charging hubs
Switchgear and transformer screening.

Logistics & distribution
Compactor enclosures and yard screening.

09 WHAT WE NEED FROM YOU

FOR THE PROGRAM

- ☐ Prototype site plan and the current enclosure detail (trash, compactor, tire storage)
- ☐ Enclosure types per site: containers, carts, compactor, tire storage, equipment
- ☐ Height (6, 7 or 8 ft) and gates: 12 ft or 16 ft clear standard; 20 ft clear, 6 ft single leaf, corner-hinged, multiple or pedestrian gates
- ☐ Finish: RAL color or the building color to match; covered (roofed) option where required
- ☐ Delivery model: installed by Alpine, or supply-only kits for your contractors
- ☐ Site list with addresses and target slab or opening dates, for the release plan
- ☐ Contacts: construction manager, prototype architect, civil engineer, GC by region

FOR EACH SITE

- ☐ Civil site plan showing the enclosure location, orientation and hauler approach
- ☐ Site address, for wind speed, exposure and risk category (ASCE Hazard Tool)
- ☐ Slab: new pad or existing; geotechnical or foundation information if available
- ☐ Local conditions of approval: materials, roof, bollards, gate and hauler rules
- ☐ Delivery contact, access window and the target install date

Start a program

Send the prototype detail and a site list. We return standard details, program pricing per size and a release plan, and the first site's engineering package typically in under one week after complete project inputs.

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Alpine Enclosure Systems is a division of Alpine International Trading Co. Alpine Citadel is engineered per project; dimensions, loads and foundations shown are typical and are confirmed by project engineering. Cost ranges are typical, not quotations. Code references are summaries; the adopted code and the authority having jurisdiction govern each site. Specifications subject to change. © 2026 Alpine International Trading Co.