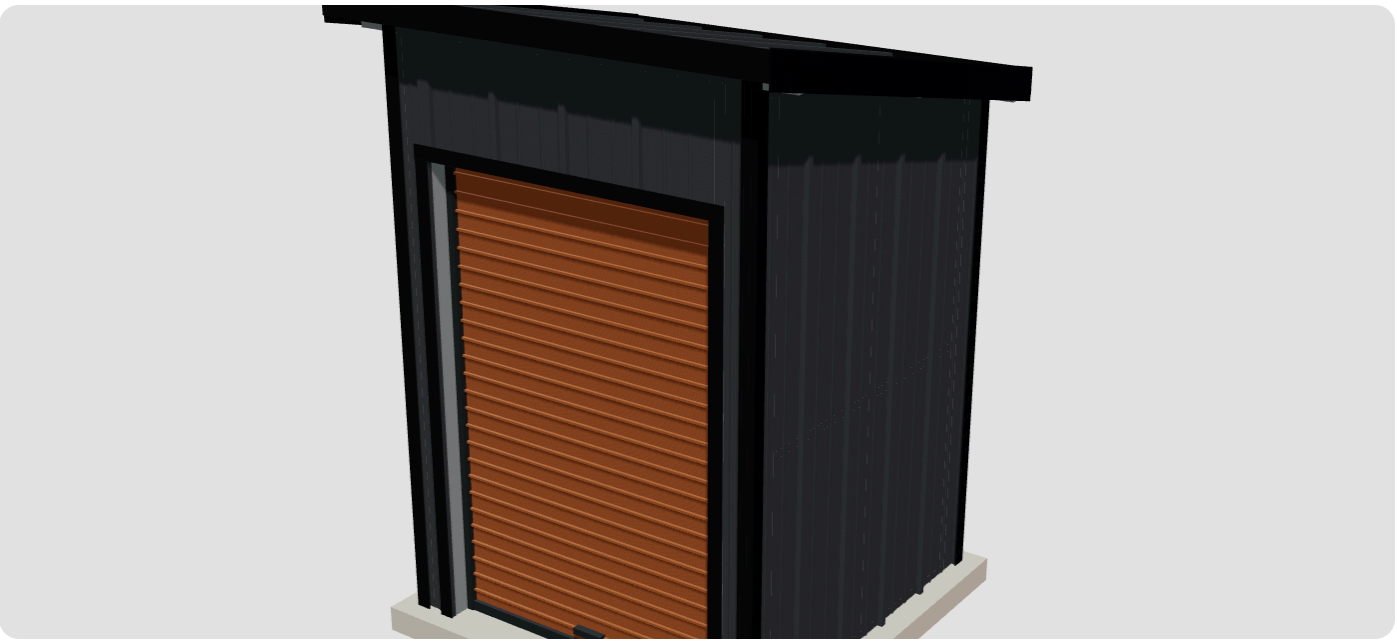
UNIT5.xyz

Request for quote & plan set

A 5×5 steel storage unit, sold flat-packed to homeowners and built exactly like a self-storage building: 16 ga cold-formed framing, 26 ga painted panels, self-drilling screws and a roll-up door. We are looking for a US manufacturer to make and kit it, and ship it blind to our customers.

Rev P1 · 2026-11-03 · Kenny Alves, UNIT5.xyz (Middletown, RI) · hello@unit5.xyz · unit5.xyz/rfq



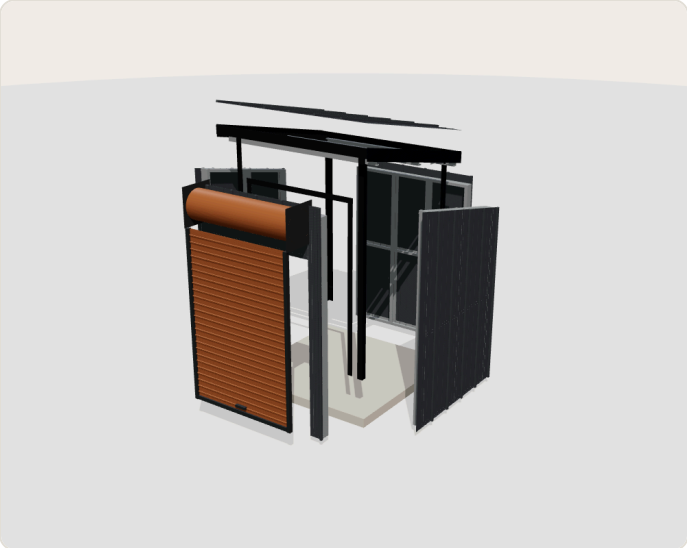
---

1 · Scope

- **Make:** framing (16 ga C studs/purlins and U tracks, cut to length, angle-cut where noted, pre-punched pilot holes), wall and roof panels, trim, clips and hold-downs.
- **Kit:** print the part letter on every piece, bag and count hardware by letter, pack to the bundle list below.
- **Ship:** blind under the UNIT5.xyz label, by LTL crate (default) or parcel boxes, direct to the customer.
- **Door:** 4'×6' self-storage roll-up, quoted separately by a door maker (door makers: quote the door only).
- **Volumes to quote:** 10, 50, 250 and 1,000 kits. First article first, then a pilot run.
- **Colors:** 6 body, 4 trim, 5 door colors. We will map our names to your nearest stock colors.
- **Optional sheet-metal items:** we don't fabricate anything ourselves. If your shop can also make the floor frame and the two hood types in section 8 (simple bent 22 ga boxes), please quote them; otherwise tell us and we'll source them elsewhere.

2 · Product summary

FOOTPRINT 60" × 60" framing (25 sq ft); 61 3/4" over panels	HEIGHT 7'-11 7/8" front, 6'-9 7/8" back; 2.40:12 (11.3°) mono-slope	ROOF 72" × 71 3/8" on slope; past the wall panels 5 5/8" front, 5 1/8" sides, 2 5/8" back
DOOR 4' × 6' roll-up, 26 ga curtain, torsion spring; needs 15 1/2" headroom	FRAMING 362S162-54 studs & purlins, 362T125-54 track, 50 ksi, G90	SKIN 26 ga, 12" cover board-and-batten profile, 7/8" rib
LONGEST PART 93 11/16"	KIT WEIGHT 539 lb incl. 75 lb door	PIECES 90 parts + 660 screws
DESIGN LOADS (PRELIM.) 140 mph Exp. C wind, 35 psf roof snow; PE stamp pending		





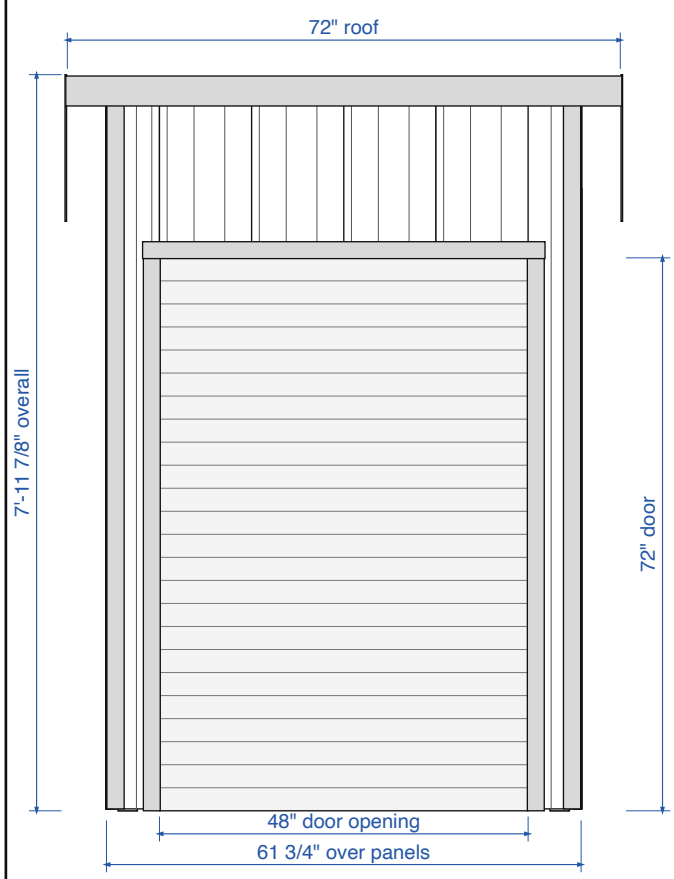
3 · Drawings

Four sheets follow, one per letter-landscape page (they scale up cleanly to 11×17). Every dimension is generated from the same 3D model as the parts list. Units are inches.

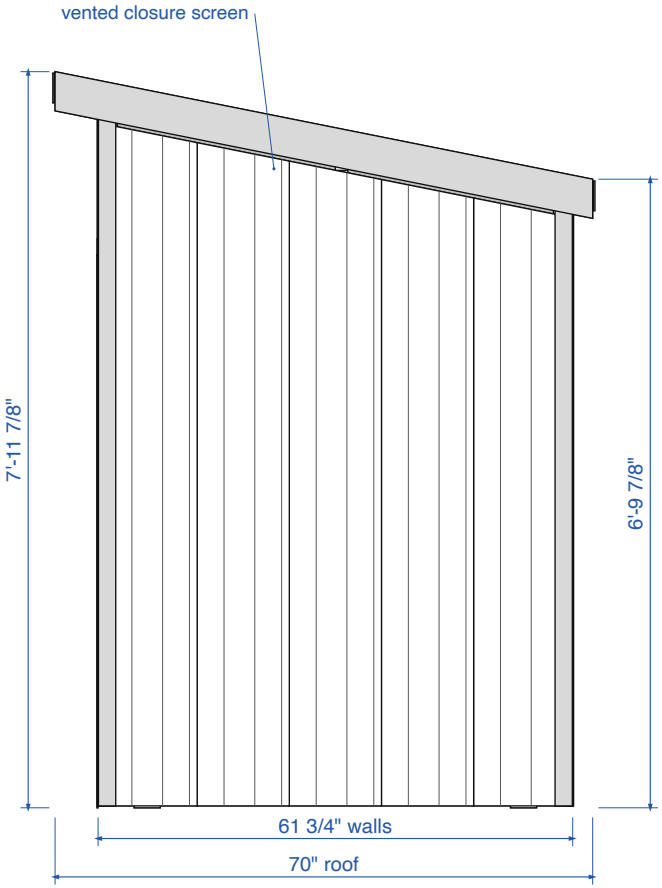
- **A1** · Exterior elevations: front, right side, back
- **A2** · Floor plan and roof plan
- **S1** · Wall framing elevations (built flat, then raised)
- **S2** · Roof framing, section, member profiles, anchorage

NOTES

1. Wall & roof: 26 ga (0.0179") G90 / AZ50 steel, Kynar 500 or SMP paint, 12" cover board-and-batten profile, 7/8" rib.
2. Framing: 362S162-54 studs and purlins, 362T125-54 tracks, 50 ksi, G90. Every part ≤ 93 11/16" long (parcel-shippable bundles).
3. Footprint 60" x 60" framing (25 sq ft) - under the 120/200 sq ft permit exemption in most US jurisdictions. Setbacks still apply.
4. Door: 4'x6' self-storage roll-up, 26 ga curtain, torsion spring. Coil needs 15 1/2" headroom: 72" + 15 1/2" = 87 1/2", under the top track at 87 3/4".
5. Anchor at all four corners on every install (see S2 and the calc summary).
6. Girt line (middle screw row on every wall panel) at 38 1/2" above the slab. Heights are to the top of the roof trim.

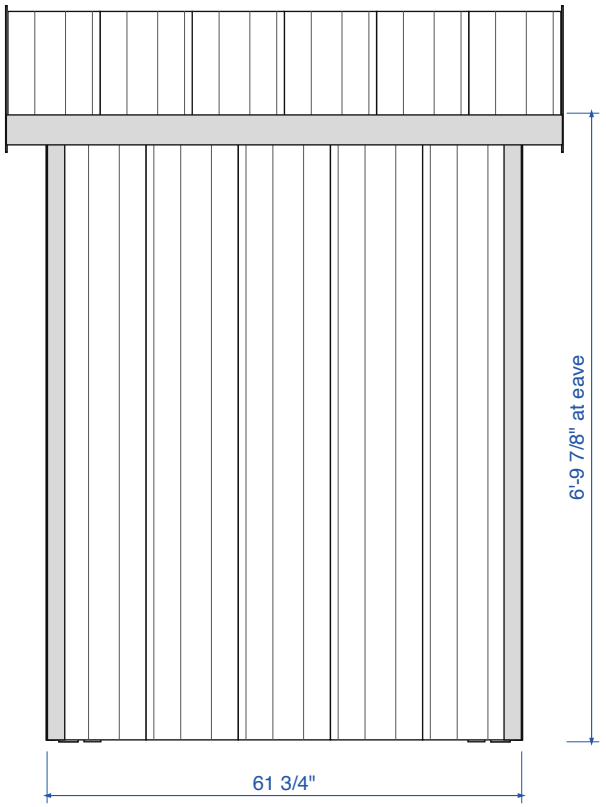


FRONT ELEVATION



RIGHT SIDE ELEVATION

roof 2.40:12 (11.3°), drains to the back



BACK ELEVATION

UNIT5.xyz · 5×5 steel storage unit

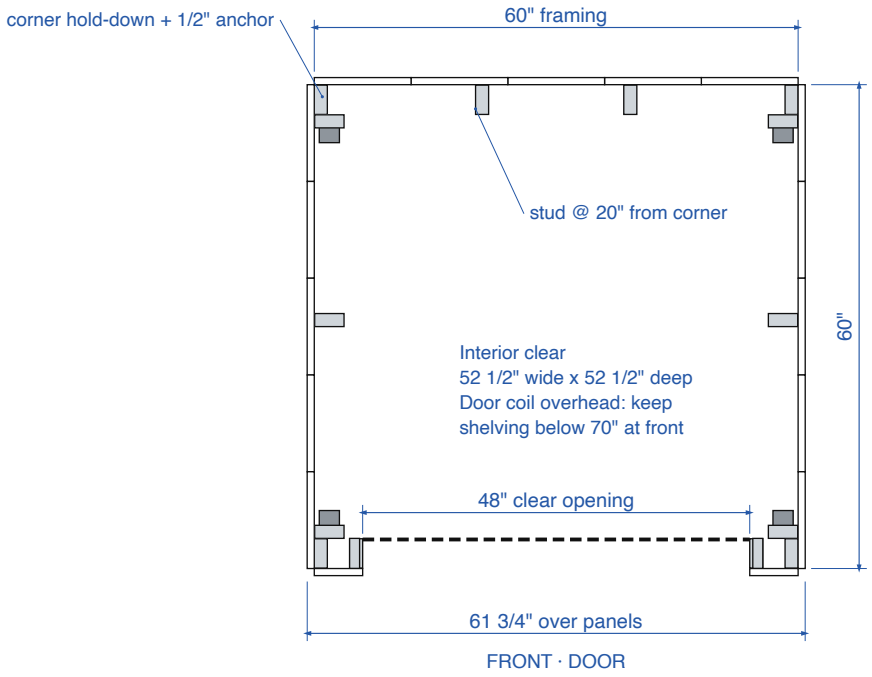
Exterior elevations: front, right side, back

PRELIMINARY - NOT FOR CONSTRUCTION - PE stamp pending

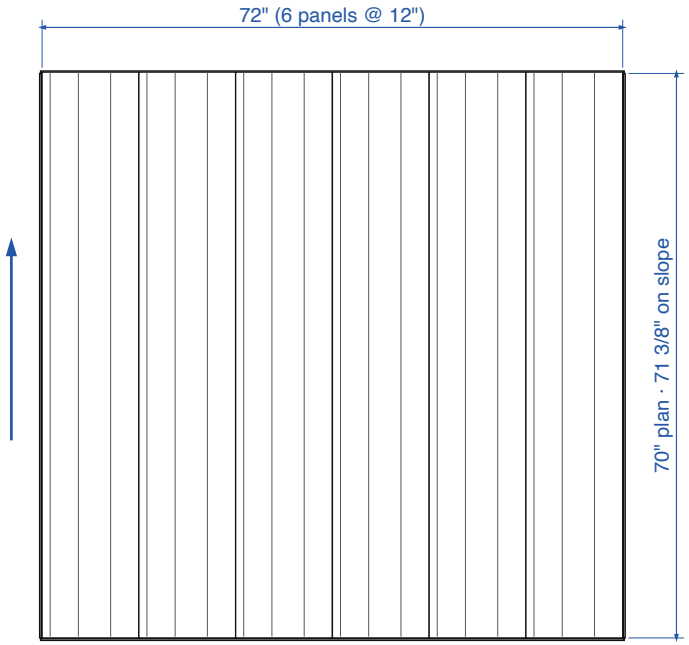
Units: inches unless noted · Rev P1 · 2026-11-03

SHEET

A1



FLOOR PLAN (cut at 36")



FRONT (high side) · roof falls 2.40:12 (11.3°) toward the arrow

ROOF PLAN

Roof overhang past the wall panels: 5 5/8" front, 2 5/8" back, 5 1/8" each side. The three 72" purlins cantilever 6" past the framing.
Roof screws: 3 per panel at every purlin, in the flat beside the rib. Side laps: butyl tape + stitch screw @ 12".
Gap between the side-wall top track and the roof (3 15/16") is closed by vented closure screens, one per bay between purlins: built-in cross-ventilation.

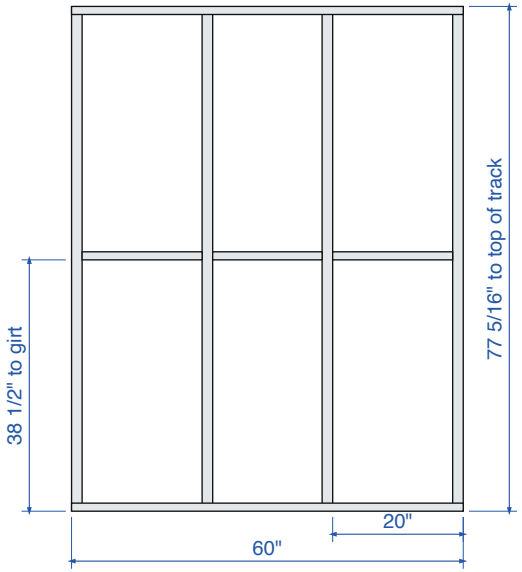
UNIT5.xyz · 5×5 steel storage unit

Floor plan and roof plan
PRELIMINARY - NOT FOR CONSTRUCTION - PE stamp pending
Units: inches unless noted · Rev P1 · 2026-11-03

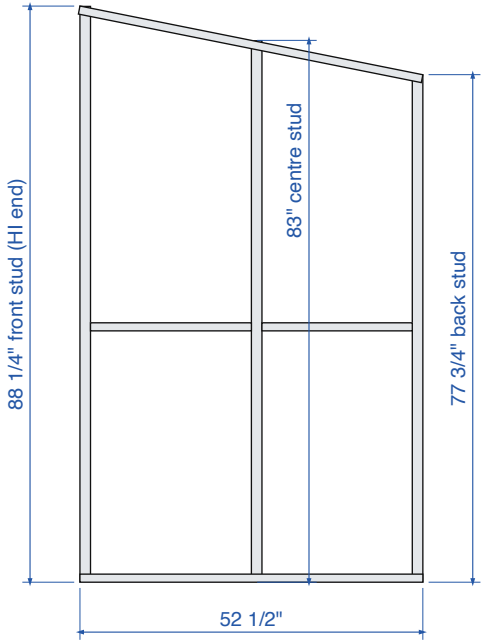
SHEET
A2

FRAMING NOTES

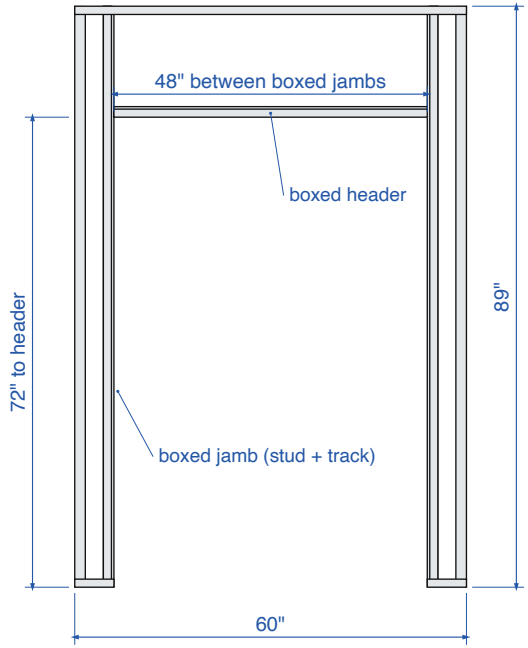
1. Studs seat fully in tracks; 2 #10-16 x 3/4" framing screws per flange per end (4 per stud end).
2. Girt blocks: track with 1 1/2" tabs bent 90° at each end, 2 #10 per tab. Outside flange flush with stud flange (panels screw to it).
3. Side studs and top tracks are cut at 11.3° (2.40:12) at the factory. The HI end of each side top track is stamped "HI / FRONT".
4. Corner joints: side end stud to front/back corner stud, 4 #10 through webs, staggered. Pre-punch 3/16" pilot holes at the factory.
5. Part letters (A, B, C ...) ink-jet printed on every piece at 12" from one end; letters match the parts list and the guide.
6. Door jambs and header are boxed: a stud nested in a track, #10 framing screws @ 12" o.c. both flanges.



BACK WALL FRAME



SIDE WALL FRAME (right; left is mirror)



FRONT WALL FRAME

UNIT5.xyz · 5×5 steel storage unit

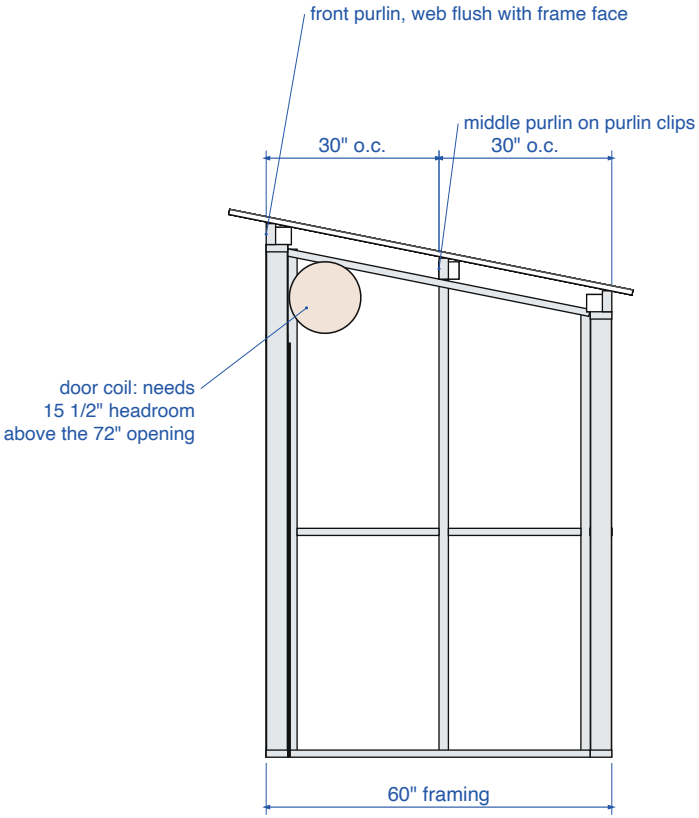
Wall framing elevations (built flat, then raised)

PRELIMINARY - NOT FOR CONSTRUCTION - PE stamp pending

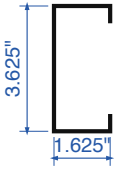
Units: inches unless noted · Rev P1 · 2026-11-03

SHEET

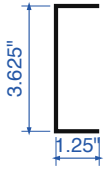
S1



SECTION (looking at the left wall from inside)

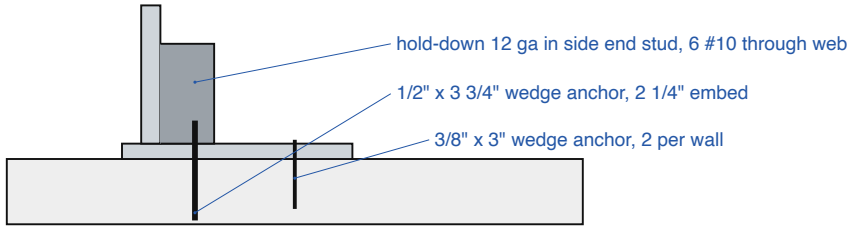


362S162-54 stud / purlin



362T125-54 track

54 mil (16 ga) design thickness 0.0566", 50 ksi, G90 galvanized.
Stud: Ix 0.873 in⁴, Sxe 0.444 in³, Ma 13.28 in-k, 1.44 lb/ft. Track: 1.17 lb/ft.
Panel: 26 ga (0.0179" min), 12" cover, 7/8" major rib, 2 minor ribs.
Trim: 26 ga, same paint system, hemmed edges.



4" concrete pad, 2,500 psi min, 72" x 72" (6" past framing)

ANCHORAGE DETAIL

UNIT5.xyz · 5×5 steel storage unit

Roof framing, section, member profiles, anchorage

PRELIMINARY - NOT FOR CONSTRUCTION - PE stamp pending

Units: inches unless noted · Rev P1 · 2026-11-03

SHEET

S2

4 · Parts list (one kit)

Each letter is printed on the part and used in the assembly guide. Lengths are finished cut lengths. Panels and trim are painted (body or trim color); framing is G90 galvanized.

MARK	PART	QTY	LENGTH	LB
Framing				
A	Track, 362T125-54 x 89"	2	89"	17.4
B	Stud, 362S162-54 x 88 7/8"	4	88 7/8"	42.7
C	Stud, 362S162-54 x 88 1/8" (11.3° top cut; long point 88 1/8", short point 87 13/16")	2	88 1/8"	21.1
D	Stud, 362S162-54 x 82 7/8" (11.3° top cut; long point 82 7/8", short point 82 9/16")	2	82 7/8"	19.9
E	Stud, 362S162-54 x 77 15/16" (11.3° top cut; long point 77 15/16", short point 77 5/8")	2	77 15/16"	18.7
F	Stud, 362S162-54 x 77 3/16"	4	77 3/16"	37.0
G	Purlin, 362S162-54 x 72"	3	72"	25.9
H	Track, 362T125-54 x 60"	3	60"	17.5
I	Track, 362T125-54 x 53 9/16" (ends cut 11.3°)	2	53 9/16"	10.4
J	Track, 362T125-54 x 52 1/2"	2	52 1/2"	10.2
K	Track, 362T125-54 x 48"	1	48"	4.7
L	Stud, 362S162-54 x 48"	1	48"	5.8
M	Girt block, 362T125-54 x 27 5/8", 1 1/2" tab bent 90° each end (clear span 24 5/8")	2	27 5/8"	5.4
N	Girt block, 362T125-54 x 26", 1 1/2" tab bent 90° each end (clear span 23")	2	26"	5.1
O	Girt block, 362T125-54 x 21 3/8", 1 1/2" tab bent 90° each end (clear span 18 3/8")	2	21 3/8"	4.2
P	Girt block, 362T125-54 x 19 3/4", 1 1/2" tab bent 90° each end (clear span 16 3/4")	1	19 3/4"	1.9
Q	Track, 362T125-54 x 6"	2	6"	1.2

MARK	PART	QTY	LENGTH	LB
Panels				
R	Jamb strip (ripped) x 92 11/16", 6" cover, 26 ga, painted	2	92 11/16"	8.1
S	Side panel #5 (1 left + 1 right, handed), 86 3/8" to 88 3/4", top cut on slope, 12" cover, 26 ga, painted	2	88 3/4"	15.5
T	Side panel #4 (1 left + 1 right, handed), 83 15/16" to 86 3/8", top cut on slope, 12" cover, 26 ga, painted	2	86 3/8"	15.1
U	Side panel #3 (1 left + 1 right, handed), 81 9/16" to 83 15/16", top cut on slope, 12" cover, 26 ga, painted	2	83 15/16"	14.7
V	Side panel #2 (1 left + 1 right, handed), 79 1/8" to 81 9/16", top cut on slope, 12" cover, 26 ga, painted	2	81 9/16"	14.3
W	Wall panel x 80 1/2", 12" cover, 26 ga, painted	5	80 1/2"	35.2
X	Side panel #1 (1 left + 1 right, handed), 76 3/4" to 79 1/8", top cut on slope, 12" cover, 26 ga, painted	2	79 1/8"	13.8
Y	Roof panel x 71 3/8", 12" cover, 26 ga, painted	6	71 3/8"	37.5
Z	Wall panel x 20 15/16", 12" cover, 26 ga, painted	4	20 15/16"	7.3
Trim				
AA	Corner trim 2.5x2.5", 26 ga x 93 11/16" (incl. 1" lap)	2	93 11/16"	7.0
AB	Corner trim 2.5x2.5", 26 ga x 81 11/16" (incl. 1" lap)	2	81 11/16"	6.1
AC	Eave drip trim, 26 ga x 73 3/8" (incl. 1" lap)	2	73 3/8"	5.5
AD	Door jamb trim, 26 ga x 73" (incl. 1" lap)	2	73"	5.5
AE	Rake fascia trim, 26 ga, 6" face x 72 3/8" (incl. 1" lap)	2	72 3/8"	5.4
AF	Door head trim, 26 ga x 53 3/8" (incl. 1" lap)	1	53 3/8"	2.0
AG	Vented closure screen, side gap 3.95" tall, bay 2 from back	2	28 15/16"	1.6
AH	Vented closure screen, side gap 3.95" tall, bay 1 from back	2	27 1/4"	1.6
Clips & brackets				
AI	Purlin clip, 16 ga angle 3x3x3.5"	6		2.4
AJ	Hold-down, 12 ga, nests in the side-wall end stud, 6 #10 through the web, 1/2" anchor hole	4		4.4
Door				

MARK	PART	QTY	LENGTH	LB
AK	Roll-up door 4'x6', 26 ga curtain, torsion spring, slide latch	1		75.0
Hardware				
F1	Panel screw #12-14 x 1" self-drilling, hex washer head, bonded EPDM washer, painted to match	240		2.9
F2	Framing screw #10-16 x 3/4" self-drilling, hex washer head, zinc	300		1.8
F3	Stitch screw #14 x 7/8" lap tek, painted to trim	120		1.0
F4	Wedge anchor 3/8" x 3", zinc (pad installs: 2 per wall)	8		1.0
F5	Wedge anchor 1/2" x 3 3/4", 2 1/4" embed (corner hold-downs)	4		1.0
C1	Foam outside closure for 7/8" rib profile, 36" sticks	4		0.4
C2	Butyl tape 1/8" x 1", 45 ft roll	1		1.5
C3	Polyether sealant 10 oz, color-matched	1		0.9
K1	Nut-setter bits 5/16" (2) + 1/4" (1), magnetic	1		0.2
K2	Assembly guide (printed), parts map, QR to video	1		0.4
K3	Lock hasp for disc lock, 11 ga, zinc	1		0.8
	Kit total			**539**

5 · Packaging & shipping

Default is one LTL crate, about 98" × 30" × 26" (steel only; the door ships from the door maker). Backup is 7 parcel boxes, each 100 lb or less with no side over 96":

BOX	CONTENTS	SIZE (IN)	LB
1	Panels & trim (1 of 2) R×2, S×2, T×2, U×2, V×2, W×4	95 x 13.5 x 4	96
2	Panels & trim (2 of 2) W, X×2, Y×6, AA×2, AB×2, AC×2, AD×2, AE×2, AF	95 x 13.5 x 4	90
3	Framing (1 of 3) A×2, B×4, C×2, D	93 x 8 x 8	91
4	Framing (2 of 3) D, E×2, F×4, G×3, H	93 x 8 x 8	97

BOX	CONTENTS	SIZE (IN)	LB
5	Framing (3 of 3) H×2, I×2, J×2, K, L	93 x 8 x 8	43
6	Short parts & hardware M×2, N×2, O×2, P, Q×2, Z×4, AG×2, AH×2, AI×6, AJ×4, F1, F2, F3, F4, F5, C1, C2, C3, K1, K2, K3	30 x 14 x 10	47
7	Roll-up door (ships from door maker) AK	54 x 14 x 14	75

Paint protection: strippable film on painted faces of panels over 60", foam sheet between every 5 panels, trim nested and edge-boarded, bundles strapped to a 2×4 skid frame. No manufacturer marks on the outside of the packaging.

6 · Engineering (preliminary)

Hand check to size the kit (ASCE 7-22, AISI S100). A licensed PE will review and stamp it before sale.

CHECK	DEMAND	CAPACITY	RATIO
Middle purlin bending (35 psf roof snow + dead)	3,562 lb-in	13,293 lb-in	**0.27**
Middle purlin deflection	0.052"	L/240 = 0.25"	**0.21**
Wall stud bending, 140 mph corner zone (70% Ma, LTB)	6,215 lb-in	9,305 lb-in	**0.67**
Roof screw pull-out, 140 mph corner zone	56 lb	225 lb	**0.25**
Roof panel pull-over, 140 mph corner zone	56 lb	291 lb	**0.19**
Anchor tension per corner, 140 mph (no slab weight)	522 lb	1/2" wedge, 2 1/4" embed, 4" slab: ~700 lb ASD (verify)	**0.75**

7 · Quality & tolerances

- Cut length ±1/16". Angle cuts ±0.5°. Pilot holes ±1/32" from the drawing.
- Panels: no oil-canning visible from 10 ft in raking light; no scratches through the paint.
- Part letter on every piece. Hardware bagged by letter (F1, F2…) with 10% extra screws.
- First article: one full kit, assembled and measured by us against these drawings before the pilot run.
- Paint and substrate certs per coil lot. G90 coating on framing.

8 · Please quote

ITEM	YOUR ANSWER
Price per kit, ex-works, crated: 10 kits	
Price per kit: 50 kits	
Price per kit: 250 kits	
Price per kit: 1,000 kits	
Tooling / setup (panel profile, punch dies, angle-cut fixtures)	
Lead time: first article	
Lead time: repeat orders; max kits per week	
Blind drop-ship: yes / no, and handling cost per order	
LTL rate estimate to zones 2, 5 and 8	
Your stock panel closest to spec (attach load table and color chart)	
Parts you would make vs. buy out	
Changes that would lower cost	
Door makers: 4'×6' roll-up door price at the same volumes, colors, drop-ship	
Optional, same shop: galvanized steel floor frame (6" C-joists, 60" × 60"), per kit	
Optional, same shop: exhaust silencer hood for the mining package (22 ga steel box about 52" × 40" × 15", open at the bottom, two internal baffles, we supply the drawing; liner fitted by you or shipped loose)	
Optional, same shop: two intake hoods (22 ga, about 11" × 26" × 28", open at the bottom, filter grille opening)	

> Reply to **hello@unit5.xyz**, or call to set up a visit. We'd like a first-article kit within 60 days of the PO.

UNIT5.xyz · Preliminary design for quotation only. Drawings and text © 2026 UNIT5.xyz. Please do not share outside your company.