

MegaDock Site Readiness

What to prepare before your MegaDock arrives

MegaDock deployment starts with the site. Use this guide to check space and flight clearances, arrange power and network, and plan for delivery and installation.

1. Space you need to reserve

Reserve	34.5' x 40.75'
	Total site envelope: the dock and fence footprint plus the 10' standoff
Dock + Fence Footprint	14.5' x 20.75' (about 3-4 parking spaces)
Container L x W x H	14.5' x 8' x 9.5'
Fence Height, Solid Panel	9.5'
Total System Weight	6,900 lb (6,000 lb container + 900 lb fence)

The front yard is fully enclosed by the solid fence, with no gate. Breaker box, network port, and cargo doors all accept padlocks, which you supply.

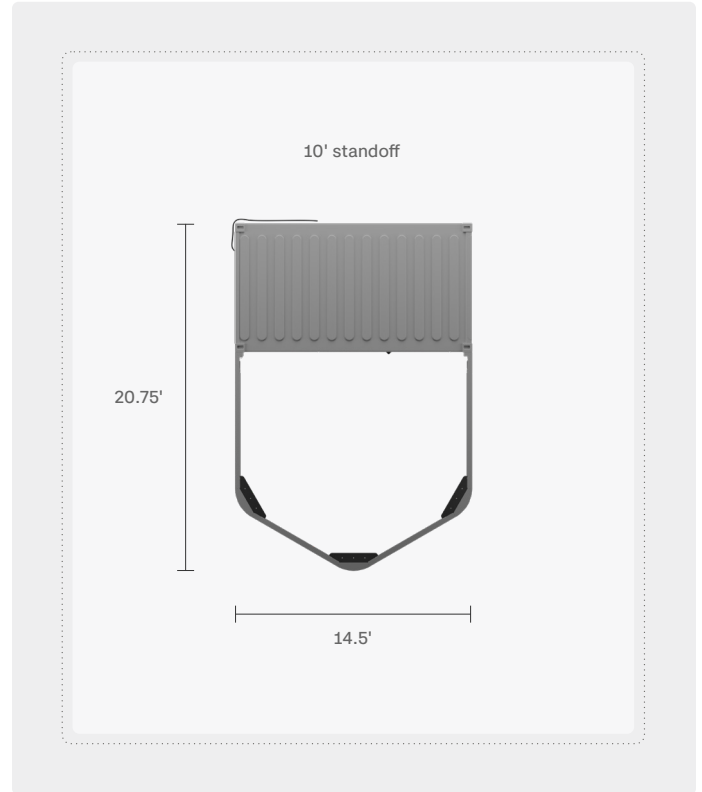


Diagram (plan view from above): container at rear, front yard for launch / recovery, 10' standoff on all four sides. Overall 34.5' x 40.75'; dock and fence 14.5' x 20.75'.

2. Obstacle clearance

Two sides of the dock have to meet this clearance. An obstacle is clear if it sits below the line drawn from the top of the dock at 48.8°—the taller it is, the farther out it has to sit.

Obstacle Height	Distance from Dock
0'	0'
15'	10'
30'	18'
45'	31'
60'	44'
< 65'	49'
≥ 65'	164'

10' is the minimum standoff regardless of height.

At 65' and above—roughly four stories—the required distance jumps to 164'. The other two sides may sit beside buildings of four stories or fewer, at 10' or more.

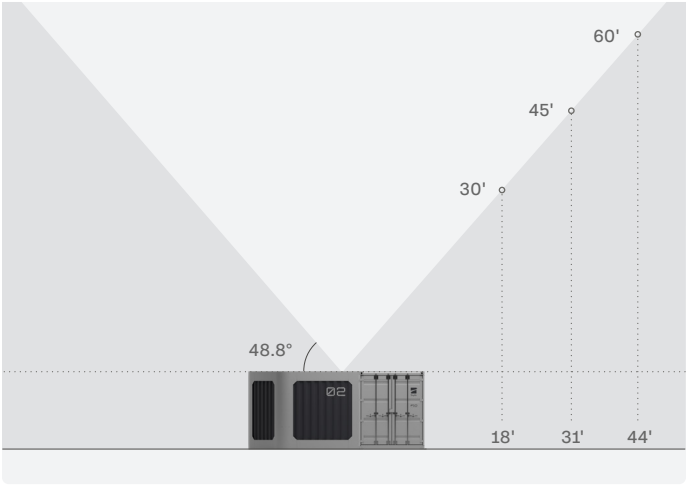


Diagram (side view from ground level): clearance angle = 48.8° measured from the top of the dock; obstacles above the line are too tall or too close, obstacles below it are clear. Reference points along distance from dock center: 30'/18', 45'/31', 60'/44'.

Not sure your site clears? Skydio can build a 3D render of your site and its surrounding obstacles from Google Earth—ask your account team for a site check before you commit.

3. Site conditions

Grade	±3° maximum uniform slope Most parking lots sit at 1–2° for drainage.
Climate	–4 °F to 131 °F A 3-ton integrated HVAC is built in, so MegaDock operates across climates.
Surface	Concrete, asphalt, or packed earth Ground material determines how MegaDock is anchored. Loose earth—sand, gravel, marsh—is not supported.
Wind Rating	Unanchored: 80 mph Anchored: 110 mph Wind speeds > 110 mph will require partial disassembly of the fence.

4. Power

Service	200–240 V AC, 60 Hz
Circuit	100 A dedicated
Peak Load	18.03 kW
Neutral	Required
Connection	Hardwired
Disconnect	Within line of sight

You provide power to the dock, live on delivery day. An electrician must be on site at delivery to hardwire from the disconnect to the dock's breaker box. Distance from your service panel drives cost—the closer the dock sits to existing capacity, the less you spend.

If your team needs backup power, a generator or battery backup system can be wired in upstream of the dock during make-ready.



MegaDock
technical specs

5. Network speeds (Mbps)

Drones	Min Down	Min Up	Rec Down	Rec Up
1	10	30	20	130
3	10	75	20	250
5	10	125	20	400

Figures assume 5 flight hours per drone per day at 1080p. Hardwired Cat6 to a fixed-line connection. The dock's hardware handles up to Gigabit Ethernet.

Check your site capacity—a five-drone site uploads about 40 TB per month.

Recommended speeds build in extra capacity for 4K video, fleet expansion, and flying more than 5 hours per drone per day.

Starlink can support limited operations while make-ready is in progress. Plan on a fixed line for sustained use.

6. Delivery and access

MegaDock ships by flatbed.

Preferred

20' tiltbed truck. Offloads with no additional equipment, given about 50' of straight-line clearance to back up.

If space is tight

Without that clearance, offload has to be done by heavy-duty forklift—rated 15,000 lb or more.

Elevated sites

Crane. Rooftops also need a structural engineer's certification—parking decks are the better option, already rated for the load.

7. Timeline

Typical make-ready: 3–6 months

Approvals and permits, MOUs where the site is a public–private partnership, and separate contractors for electrical, network, and civil work.

On-site deployment: 2 days

Run by two Skydio deployment engineers.

Skydio does not currently provide turnkey make-ready services. You contract the work; we supply the specifications your contractors build to.

Tip: If your jurisdiction has construction already planned near a candidate site, fold the power and conduit into that scope. This can significantly reduce your make-ready timeline and cost.

Have questions, or ready to start? Reach out to your Skydio account team today. Specifications may change—confirm current values with your Skydio team.

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8. Walk the site with this list

- ☐ 34.5' × 40.75' of clear ground, with the 10' standoff free of parked vehicles, dumpsters, and landscaping.
- ☐ Nearby obstacles clear the table in section 02—the taller they are, the farther out they have to sit.
- ☐ Slope within ±3°, and uniform along the container's length.
- ☐ Surface is concrete, asphalt, or packed earth.
- ☐ About 50' of straight-line clearance for a tiltbed truck to back in. Without it, offload has to be done by forklift or crane.
- ☐ 200–240 V AC, 100 A dedicated circuit with neutral, and a disconnect within line of sight of the dock.
- ☐ Hardwired Cat6 can reach the dock location. Sized for the number of drones you plan to fly, not the number you start with.
- ☐ Identify a route to run power and network, from your service panel and network entry to the dock location.
- ☐ Neighbors considered. F10 is audible on launch and recovery, though MegaDock plays no tones or alerts, and exterior lighting can be dimmed or switched off outside those sequences.

If the site isn't ready

Once agreed, the ship date holds. MegaDock can be stored as a 14.5' × 8' × 9.5' container with the fence panels packaged flat—but Skydio offloads it once, so a second move to the final site is yours to arrange. Deployment engineers are dispatched only after you send photos of the completed make-ready work to your Skydio team for verification.

9. Where MegaDock goes

Three sites that have worked well—not a list of the only options. Anywhere that meets the space, clearance, and site conditions in sections 01–03 is a candidate, so use these to think about what your own jurisdiction already owns or can get access to. We generally prefer an access-controlled area.

City-owned parking lot

The most common choice. Three to four spaces in a motor pool or public works yard, usually already asphalt at 1–2° of grade with service nearby. Approvals are simplest because the jurisdiction owns the land. Watch for light poles and mature trees on the two clearance sides.

Wastewater treatment plant

Secure, fenced, and industrial. Heavy power service is usually already on site, the ground is flat and open on all sides, and there are few neighbors to weigh for noise or lighting. Sites like these may be privately or publicly owned, so expect an MOU or coordination across several agencies—start that early, since it often sets the timeline.

Parking garage, top deck

Best when ground space is scarce. Decks are already rated for the 6,900 lb load, so no structural engineer is needed—unlike a rooftop. The elevation puts the dock above most surrounding obstacles. Placement requires a crane, and the deck still has to sit within ±3°.