

AVIATION



T-SERIES

TIP-UP CANOPY



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The Tip-Up Canopy hangar door system offers a smooth and stable motion, weather-tight seal and long term reliability. Minimal side room requirements provide for full hangar access.

This one-piece system uses multiple wire rope pick-up points (each with a minimum 5:1 safety factor) to connect the front frame to a floor-mounted operator and counterweight.



DESIGN PARTNER

You're not just getting a bid; you're getting a Partner. Our Technical Sales and Engineering teams consult with you during the design phase of your project to make sure you have accurate coordination drawings and engineered loading details specific to your building.



Consult with our Technical Sales and Engineering team to determine which door configuration best meets your access needs.

DoorEngineering.com
800.959.1352



KEY ATTRIBUTES

Vertical Movement

- The opening vertical rise movement is followed by a simultaneous tilting and rising motion to the horizontal full open position, with the bottom portion of the door projecting outside to form a canopy.
- Clear Opening Maximizing building access. **“You are cleared for arrival.”**

Speed

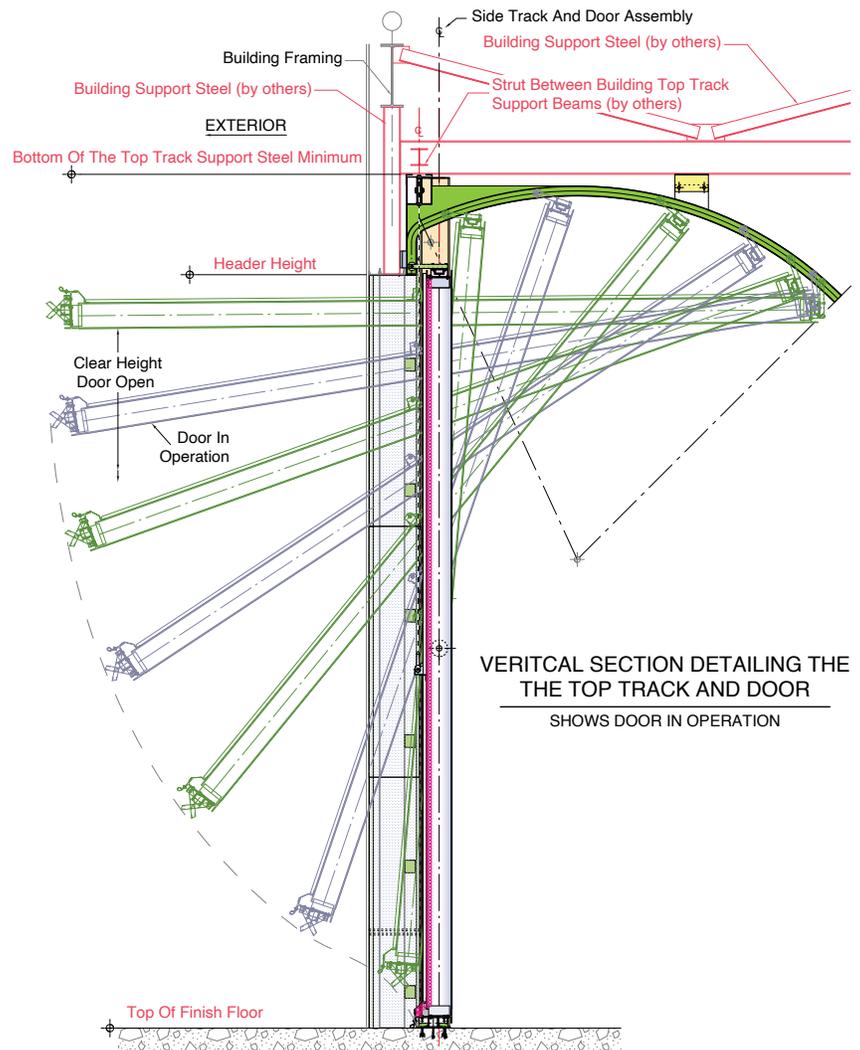
- 4X faster than hydraulic systems. **“Sit back, relax, and enjoy the speed.”**
- Open/close at a quick rate of speed. Examples below:
 - 120' x 30' Tip-Up Door ≈ 58 Seconds to Open
 - 75' x 20' Tip-Up Door ≈ 38 Seconds to Open

Elegant/Clean Design

- Spans up to 150' + with **No Truss** protruding off the door face.
- Easy access to install a variety of claddings or insulated panels.
- Custom designed for each application and site.
- **“Please direct your attention to the sleekest design on the market—no clutter, just class.”**

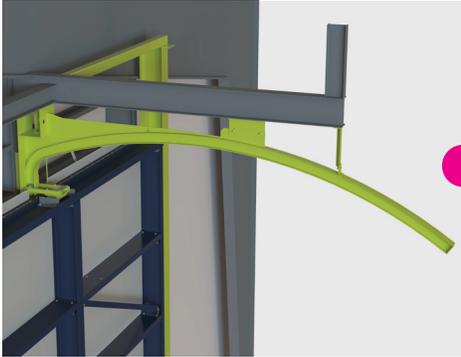
Easy Manual operation

- Simple manual operation with the provided crank assembly assures access to your assets at any time.
- **A power loss or motor failure can leave most tilt-up and bifold hangar doors grounded.** That's not true with Door Engineering's counterbalanced operator system.



PROVEN RELIABILITY WITH FAST OPERATION!

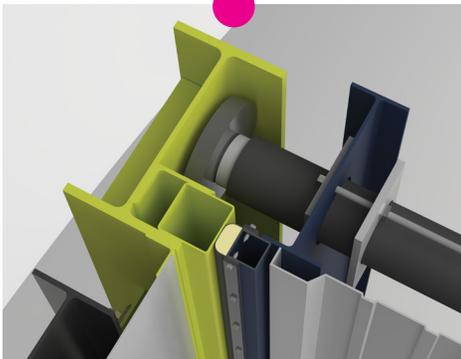
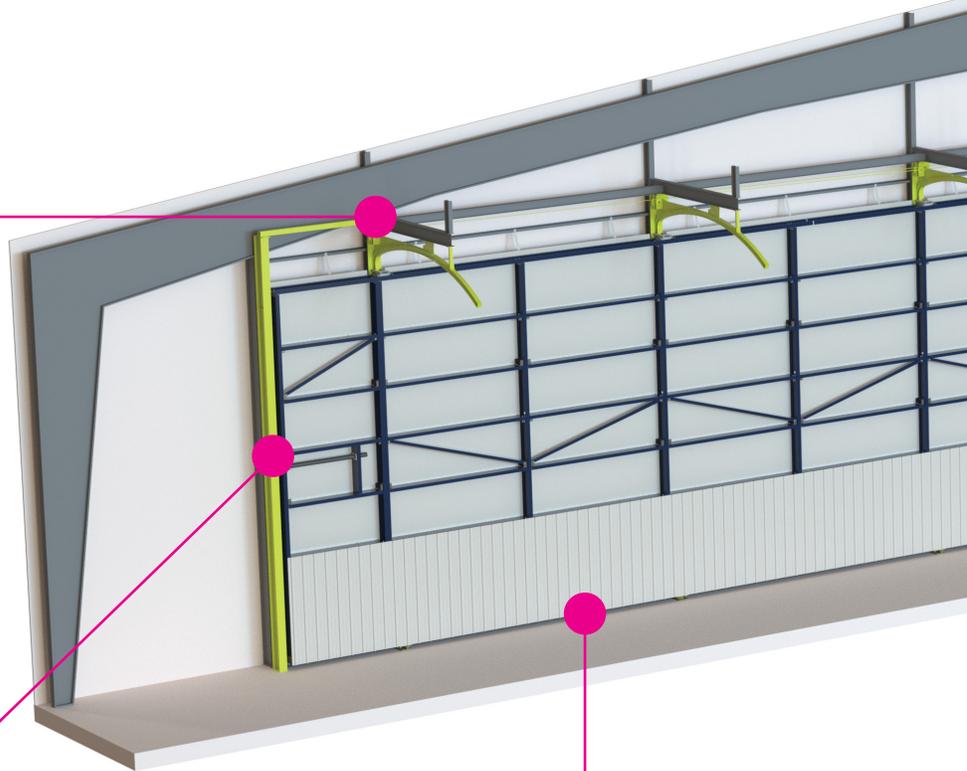
Let Door Engineering's Tip-up Canopy door work for you



Track and Cable System

Provides smooth, quiet, and reliable motion.

Multi-point lifting cables ensure redundant safety and eliminate truss assemblies on the door panel.



Vertical Bulb Seals

Insulated vertical seals ensure energy efficiency.



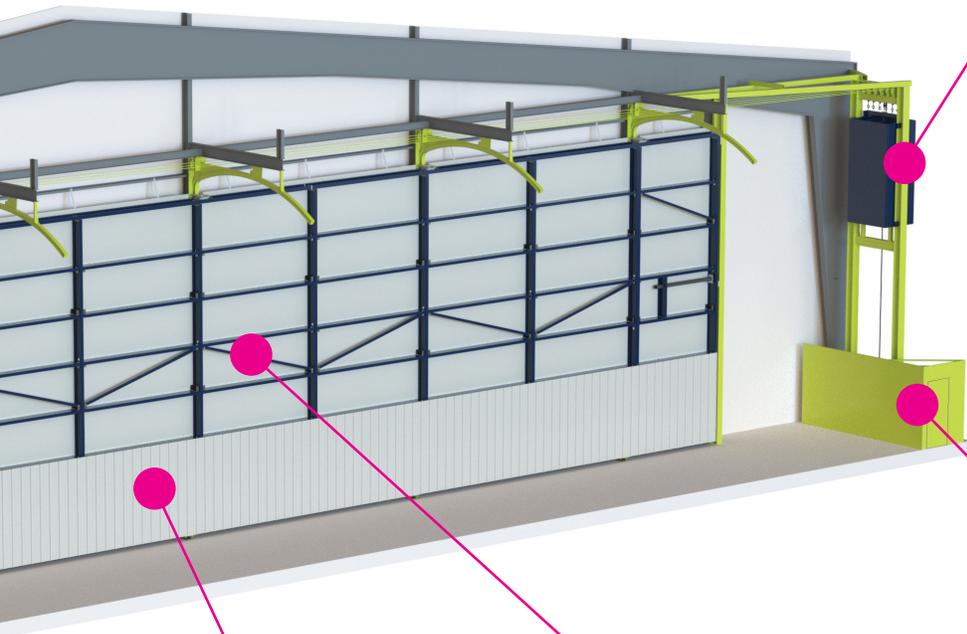
Full Perimeter Seals

Keeps the weather out and maintains your controlled environment.

DOOR ENGINEERING ADVANTAGE

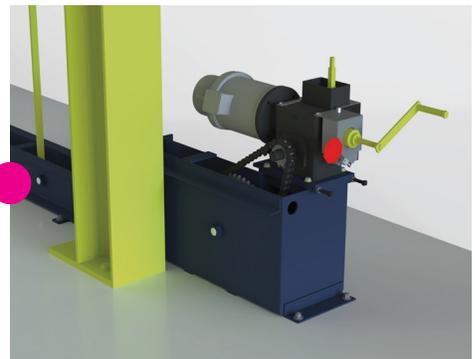
Up to 4X faster
than other
upward acting
hangar doors

4X



Counterweight System

The key to fast and reliable operation!



Floor Mounted Operator

Manual override to ensure you always have access to your hangar.



Automatic Sill Locks

Meets wind load requirements without cane bolts or the need for obtrusive truss assemblies.



Cladding

Continuous weather-tight cladding finish.
No truss assemblies to work around.



CUSTOM OPTIONS

Rough framed openings, translucent panels, and personnel doors



ADVANTAGES

Energy Efficient

- Full perimeter weather seals support envelope performance.
- Minimizes heating and cooling losses.
- Door framing design allows for a wide range of cladding and insulated panel systems.

Superior Performance

- Provides a quick, yet stable, motion open and close.
- Low maintenance and long-lasting dependability.

Ease of Installation

- Doors are shop fabricated in modular assemblies to minimize field installation costs.
- The doors arrive to your facility with the side tracks, curved top tracks, the operating hardware, pre-wired electrical controls, wire rope pick-up brackets, the automatic sill locks, side and top roller assemblies.

Durability

- Decades of “First Class” operation with minimal maintenance.
- Designed to meet the strictest windload requirements.

Quiet Operation

- No noisy hydraulic pumps or cylinders. **“Expect smooth, quiet operation for the rest of your trip.”**



WHAT THE DOOR ENGINEERING ADVANTAGE MEANS FOR YOU:

Architects and Engineers

As a partner, we work with you to understand your customer's business and ensure that access to their hangar meets their needs both now and into the future. We are your design partner, helping coordinate all the interfaces and loading between the door and building.



Building Supplier

We can coordinate directly with the building manufacturer to provide interface details and loading information to meet specified requirements.



Contractor or Installer

Our premium features save up to 50% in install time, keeping your project ahead of schedule and reducing on-site disruptions. The Door Engineering solution provides a clear interface with a quick and accurate installation.



End-User

Door Engineering will provide the best solution to fit your needs now and into the future. Our weather seal system is the best in the industry and our low maintenance components will provide decades of service and protection for your valuable assets.

TESTIMONIAL

"Three doors, 14 years, and no problems! It just makes sense! The door for North Star Aviation opens on an average of 10 times a day, 365 days a year, and we never have to call for service!"

- Mark Smith, President of North Star Aviation



Call us for our expertise on: Hangar Solutions Consultation, Retro-Fit Inspections, Interface Details, Loading Details, Budget Pricing, and Bids.

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Opening to Your Standards

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