HELILADDER

Focus on your work – not your balance!™

A brief review of the MX5 HeliLadder & MXPS (*Maintenance Platform System*)

The modular MX5+ HeliLadder was designed and developed by Dale Neubauer, an aircraft technician with 30 years of experience maintaining helicopters. The bulk of his career was spent in hospital aviation, where maintenance efficiency is essential in order to reduce out-of-service time and (correspondingly) enhance mission availability, revenue generation, & patient care. Dale also worked as an Airbus Tech-Rep supporting the UH-72 program.

The multi-patented modular design allows technicians to modify the equipment to best serve the aircraft, the specific task at hand, and the individual height of the technician. By doing so, the mechanic can *focus on their work,* instead of *their balance*. The HeliLadder product line is exceptionally stable and is built to the highest quality standards. It meets or exceeds applicable ANSI and OSHA standards.

During initial prototyping (and extensive field trials) 3 aircraft were primarily used to confirm the fit & functionality of the equipment: the EC145, AS350, and the AW119. Since then, it has proven to be *exceptionally* versatile and conforms to a multitude of helicopters and airplanes.

There are now over 3500 units serving a wide variety of commercial operators, hospital programs, private owners, law enforcement agencies, fire departments, and the US Army, Navy, Air Force, and Marines. Over 120 units are in use at Fort Novosel in support of the Army's UH72 training helicopter.

Design enhancements to meet Navy specifications were completed in 2021, and National Stock Numbers (NSNs) have been issued to an upgraded Department of Defense product line. We have fulfilled contacts with NAVAIR in support of the USNs MQ-8C Fire Scout & MQ-25 Stingray, and the USMCs AH-1Z Viper & UH-1Y. Over 150 MX5s were deployed, with various configurations of Extensions, Service Decks, and complete Maintenance Platform Systems. Additional contracts with the USN in support of the TH-73 and MQ-9 are currently being fulfilled. NAVAIR (DOD) approved User Manuals, Repair Manuals and Parts Manuals have been created.

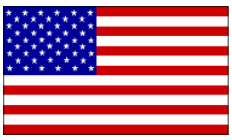
What follows are a number of pictures showcasing the product line with a variety of aircraft. These are offered as future talking points with our customers.

HeliLadder of *Blue Moon Designs* is an approved supplier for the Department of Defense, Airbus Helicopters, Bell Flight, Leonardo Helicopters, M1, PAE, CAL FIRE, L3, Air Methods, Metro Aviation, Med Trans/GMR, and a host of other aviation firms.

Here is a link to our website: **https://heliladder.com**
Product & safety information, customer lists, photo gallery, et cetera, can be reviewed.

Dale Neubauer can be reached at 541-647-3537 or dale@heliladder.com

We ARE Made in the USA:
All design work and manufacturing occurs in Bend, Oregon!

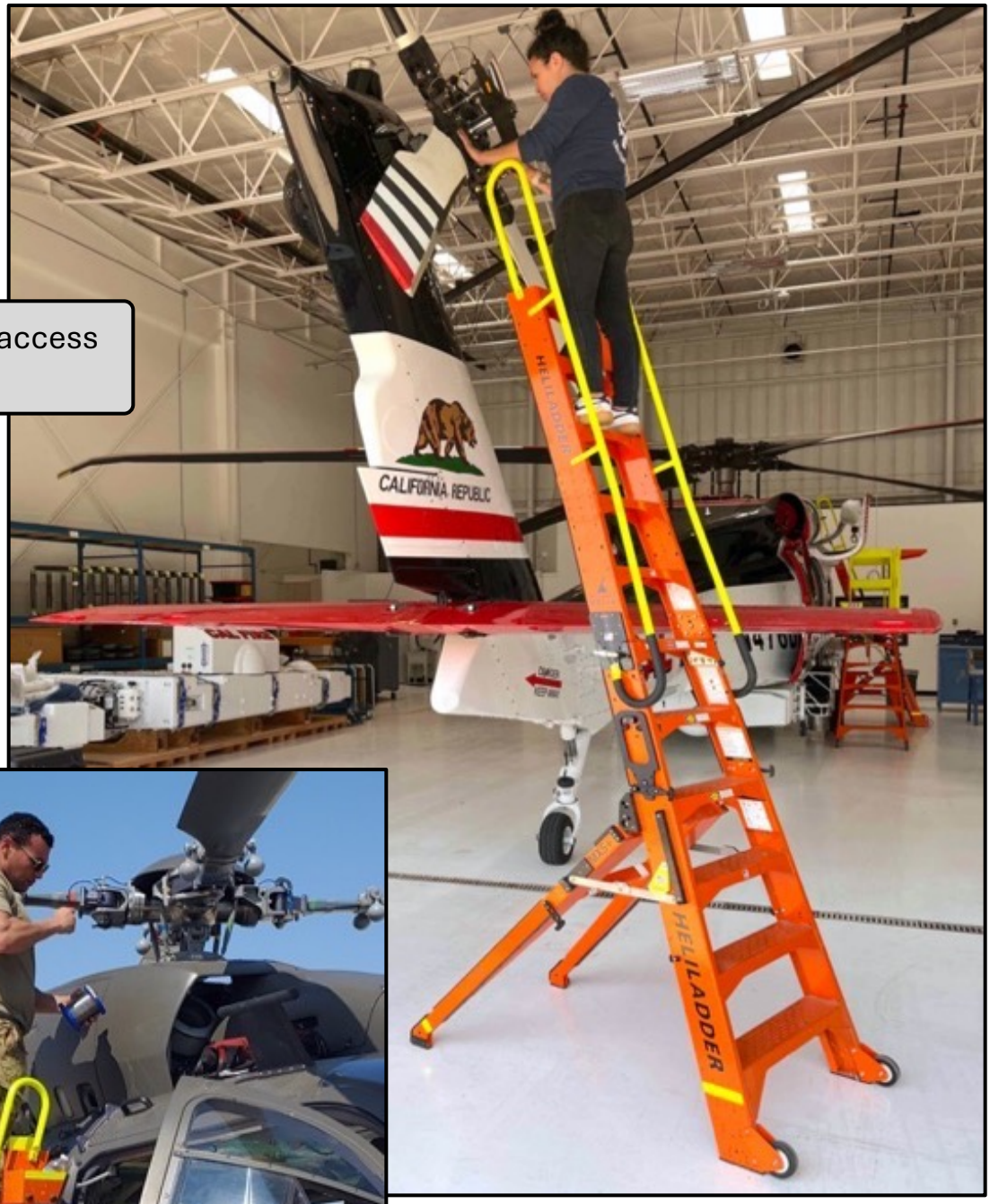


AW119
MX5+2

EC145 rotor blade access
Early MX8 (MX5+3)

AW119 with early MX8 (MX5+3)
and MX5 with no Extension

Sikorsky S-70 T/R access
MX5+5



Airbus UH72
MX5+2

Airbus EC135
MX5+3
HELILADDER

USMC Cobra
MX5+4 Sea Trials

Bell 407 rotorhead access
MX5+3

Bell 429 rotorhead access
MX5+3

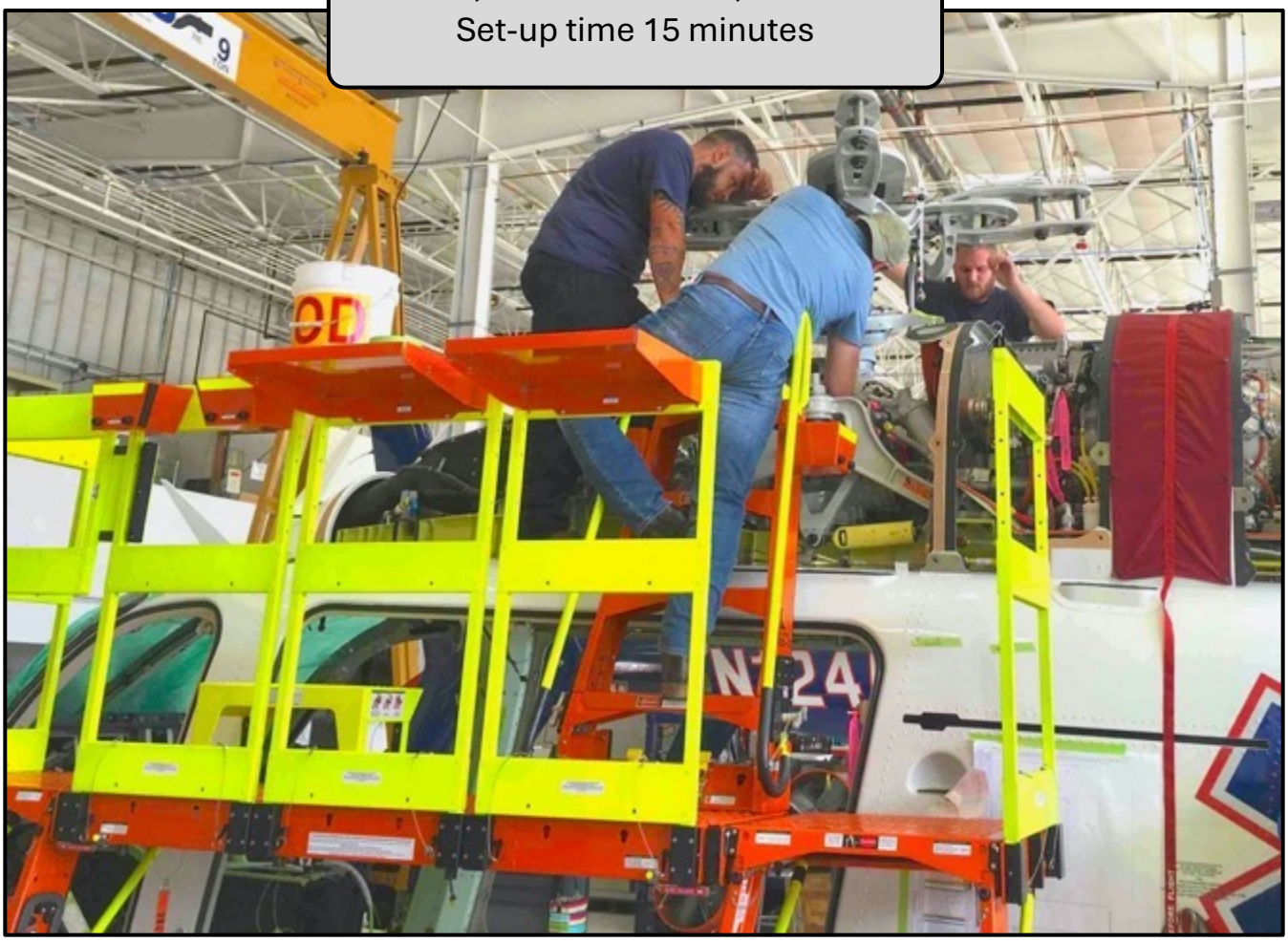
AW119 (on dolly) T/R access
MX5+2

Bell 427 T/R access
MX5 with no Extension

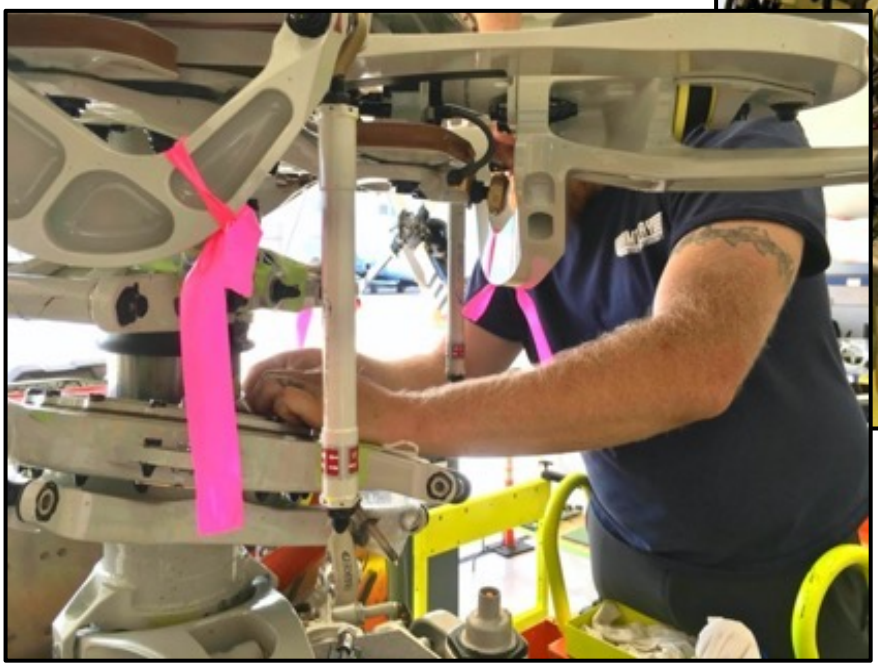
USMC AH1Z
with MXPS

USN MQ8C with MXPS:
2 MX5s, 2 Service Decks, & Platform

MXPS with Bell 429:
2 MX5s, 2 Service Decks, & Platform
Set-up time 15 minutes

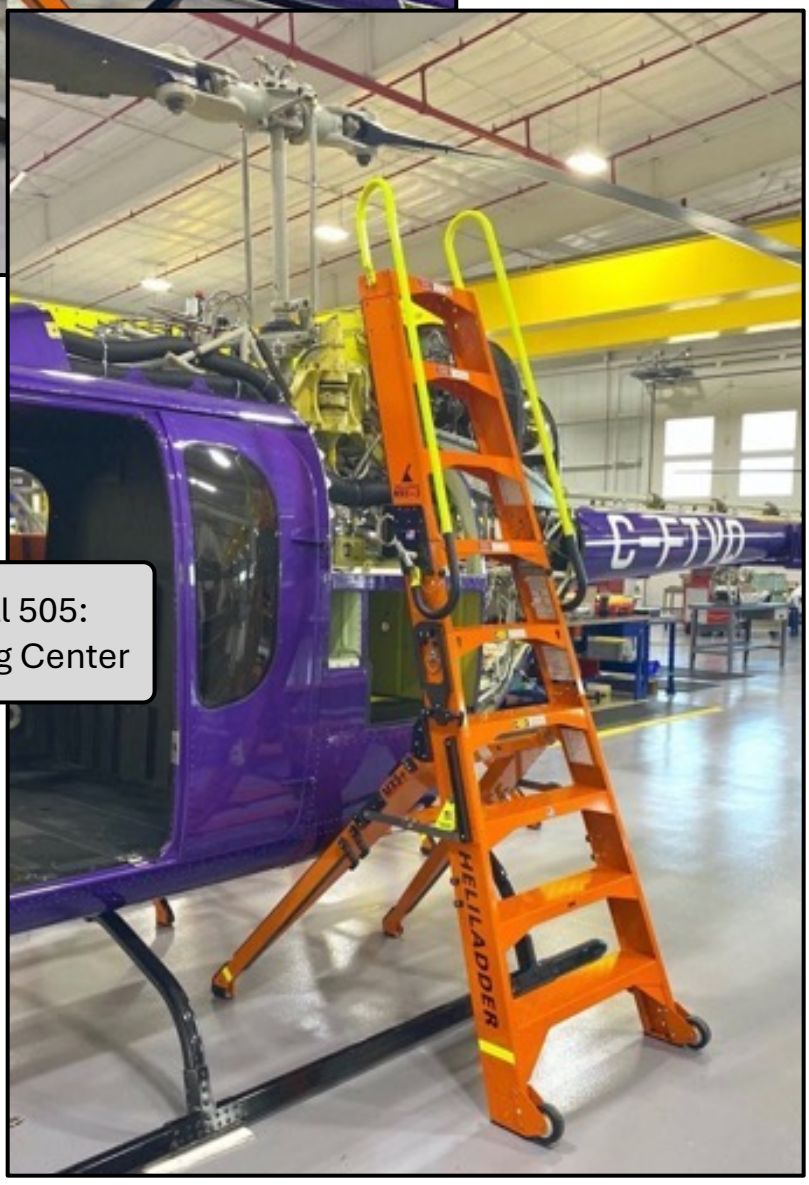


MXPS with Bell 429:
Enhanced ergonomics notably reduced maintenance out-of-service time for swashplate friction check.



Trays for manuals, tools and FOD compliment the process of task efficiency

MXPS with Bell 505:
2 MX5s, 2 Service Decks, & Platform
Bell Flight Training Center

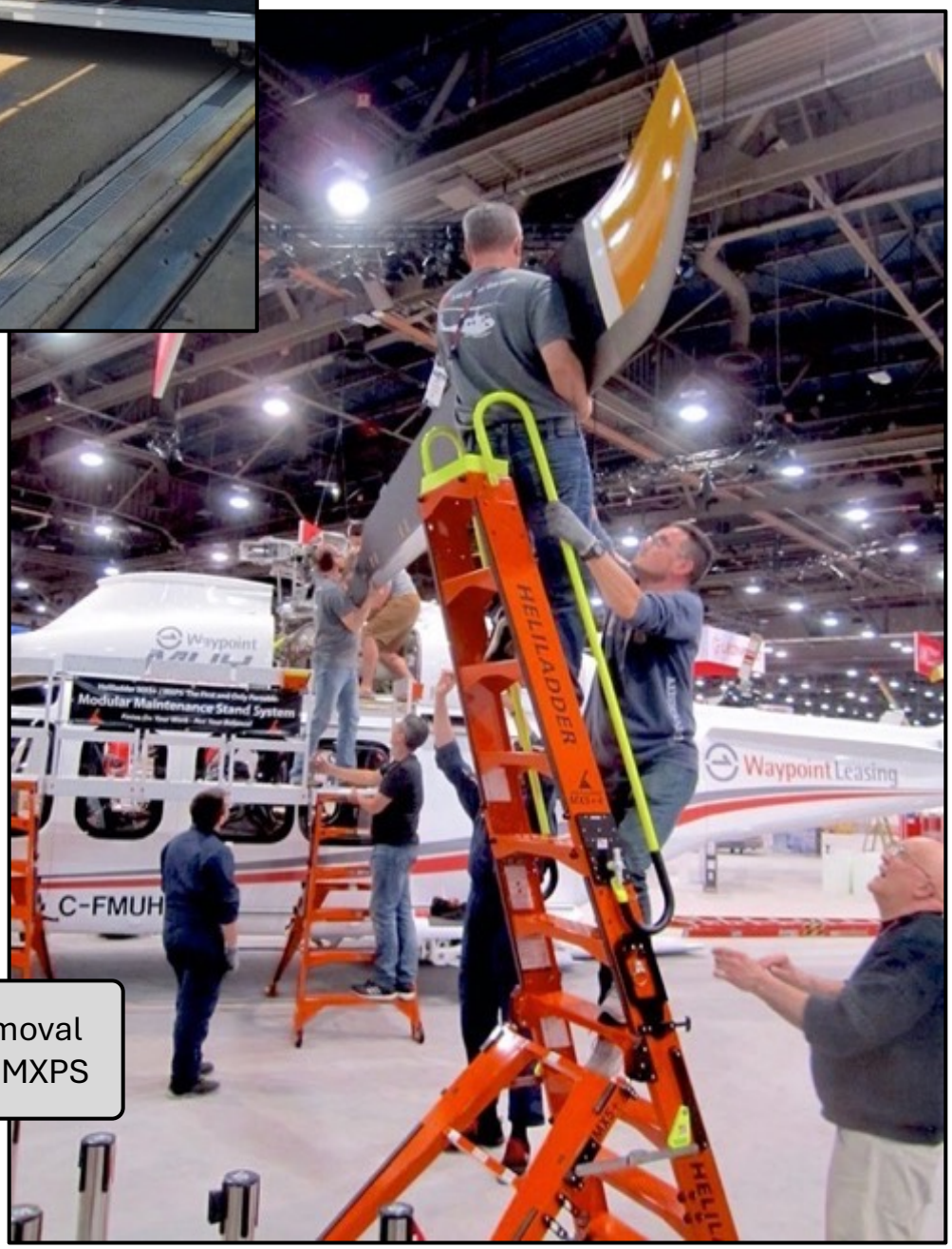


MX5+3 with Bell 505:
Bell Flight Training Center

AW119 vertical fin access
with ***conventional ladder***

EC120 vertical fin access
with HeliLadder MX5+4

EC120 rotor blade removal
MX5+4 and MX5+3



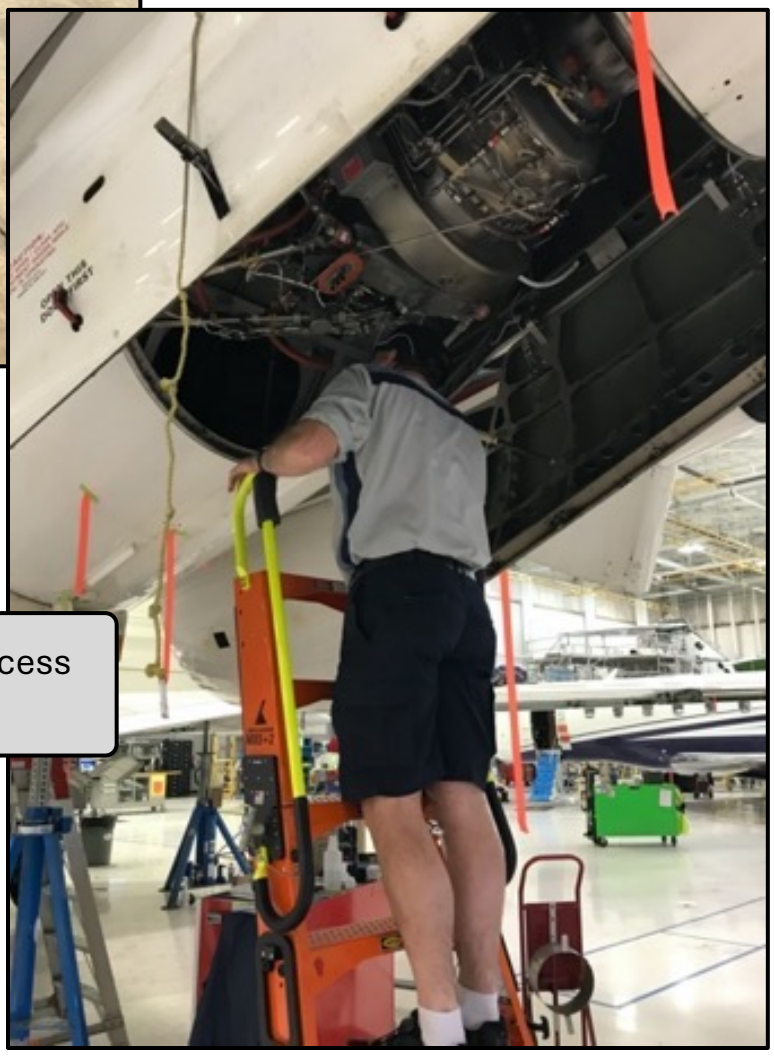
AW139 rotor blade removal
MX5+4 and prototype MXPS

CalFire Sikorsky S-70
MX5+4

CalFire Sikorsky S-70
with MXPS

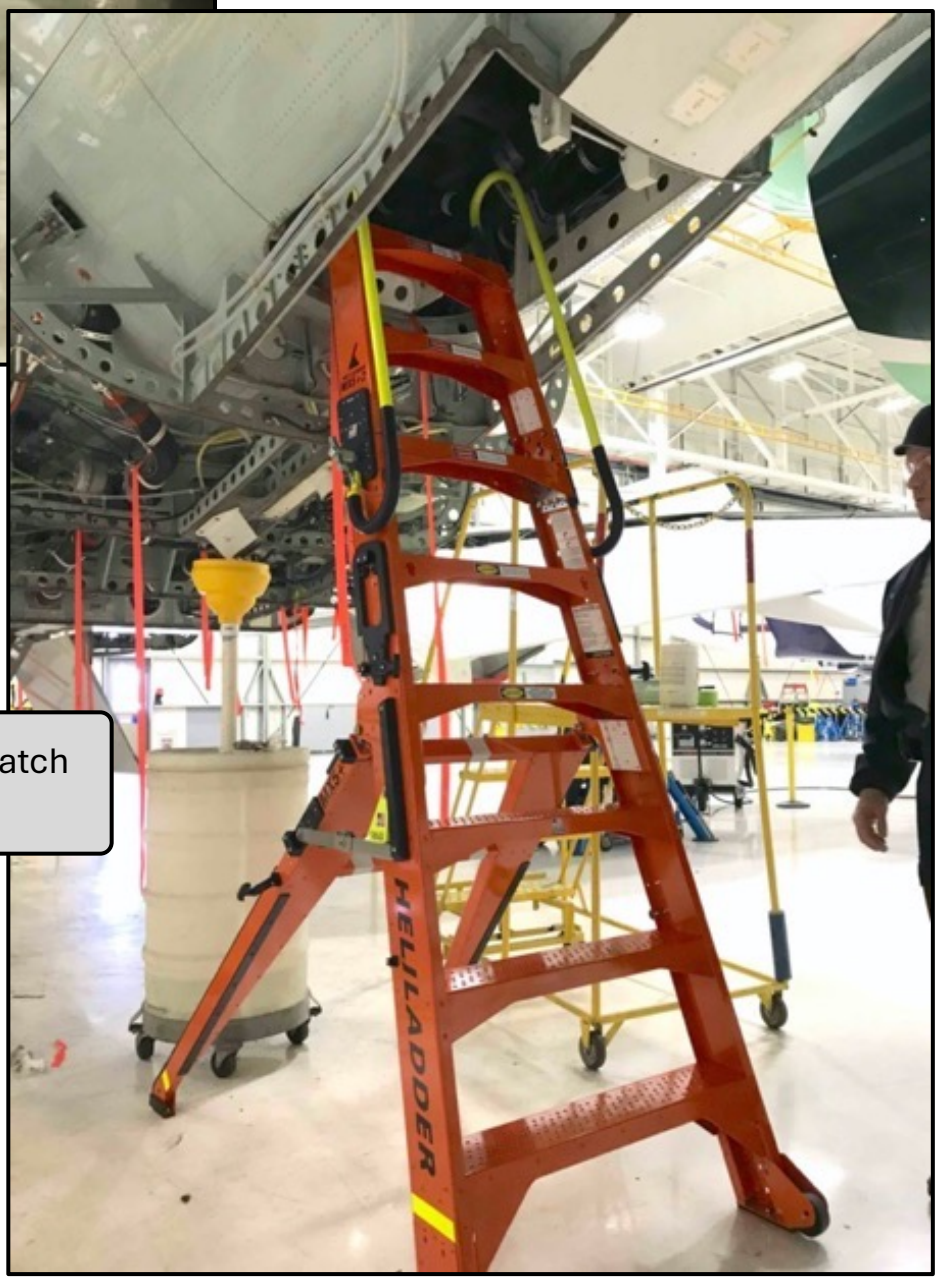
MX5+Service Deck with
MQ8C, Bell 429, AH1Z, and UH72

BK117 tailboom flange
MX5



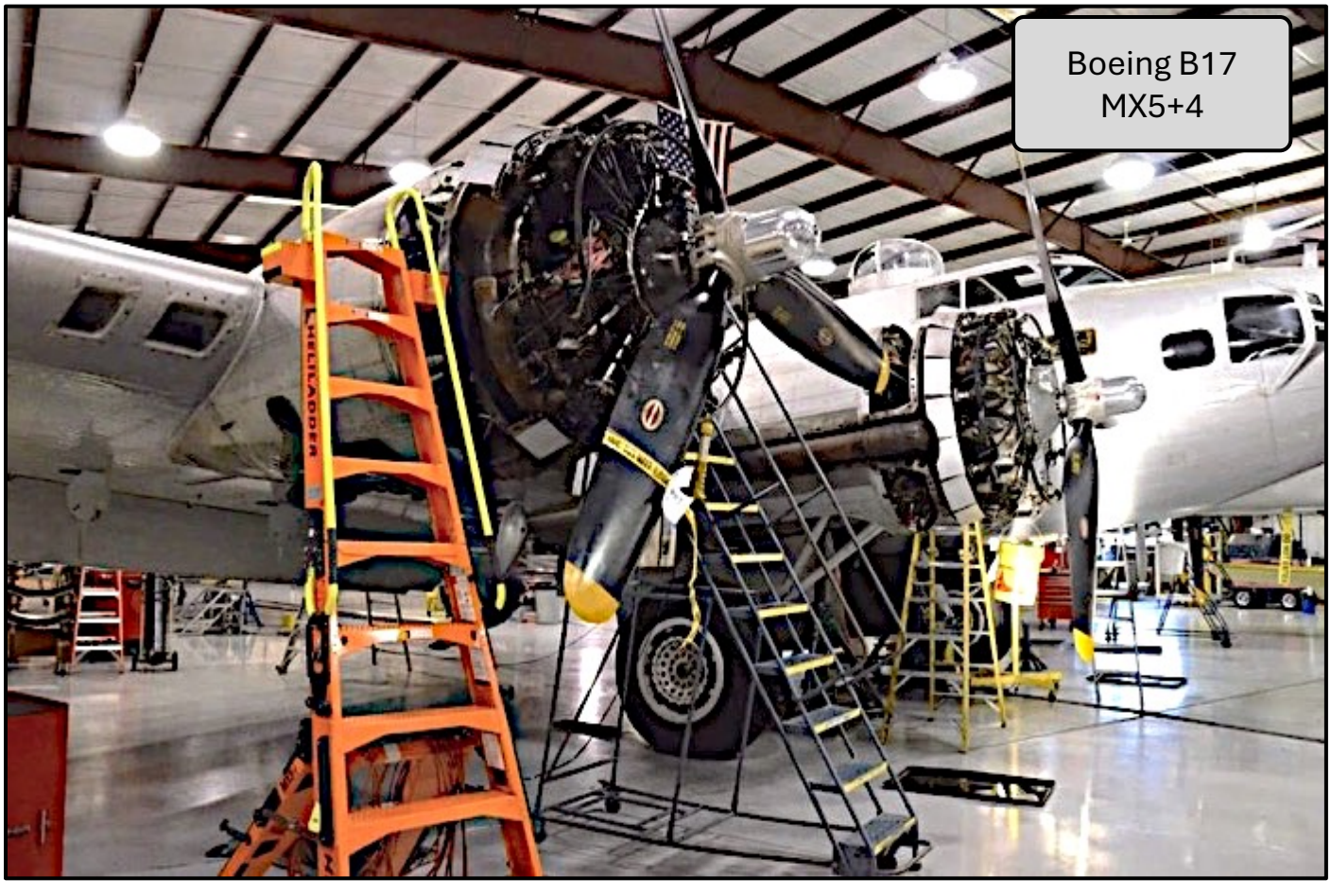
Bombardier APU access
MX5+2

Bombardier engine access
MX5+4



Bombardier tail hatch
MX5+2

Sierra Space Dream Chaser
MX5+3



Boeing B17
MX5+4

MX5+3 Walk-Thru & MXPS
USN F-35