Dauby / Acme Aircraft X/D-16 Intended by its sponsor, Charles Daubenberger, as a solution to lagging performance onroute to a friend's Montana mountain lodge, the idea of 33' (approx) converting the popular single Navion to a twin was suggested by Roger Keeney of the Acme Aircraft Co. CANOPY FULLY OPEN Keeney would assemble a team of engineers from North American Aviation 24" OF MOVEMENT and Douglas Aircraft who, under the supervision of Walter Feller, worked REGISTRATION: evenings and nights to develop and design the numerous modifications 4" HEIGHT After more than a a year of work, the X-16 took to the air for a series of test flights. Only minor changes were required, and the Twin Navion impressed everyone with the strength of its design. Following its certification, the X-16 was redesignated the D-16. Charles Daubenberger, and his partner company, the Plastic and Rubber Product Co. operated N91793 until August 1953. After that, it was sold to Riley Aircraft Corp. and remanufactured to their production D-16 standards. It was reidentified as TN-9, N22Y. 7' 2 $\frac{7}{32}$ " COLOR NOTES: N91793 WAS REFINISHED INSIDE AND OUT TOWARDS THE END OF STATIC PORT (BOTH SIDES) ITS CONVERSION IN 1952. OVERALL AIRFRAME: EXTRA DARK BLUE LEAR ADF ANTENNA HORIZONTAL STABILIZER FLETCHER AVIATION CORP. ANGLE OF INCIDENCE CHANGE ACCENT COLOR: NOSE LANDING GEAR DOOR MODIFIED FAIRCHILD PT-19 FAIRING 7.00x8 MAIN WHEEL BOARDING ASSIST STEP 6.00x6 NOSE WHEEL FLARE COMPARTMENT (STEERABLE) BLANKING PLATE ANTI-SLIP WALKWAY METERS ANTI-SLIP WALKWAY COLOR: BLACK SCALE BARS COLOR: BLACK NAVION BOARDING ASSIST HANDLE FIXED METAL TRIM TAB AFT BAGGAGE COMPARTMENT REGISTRATION: ORIGINAL ENGINE COMPARTMENT AND COWLINGS CAPACITY - 180 LBS 20" HEIGHT HAND FORMED ALUMINIUM NOSE CONE \bigcirc ENGINE EXHAUST BLANKING PLATE NAVION BOARDING STEP **ORIGINAL CONFIGURATION** MAIN FUEL TANK ACCESS 39.5 US-GALLONS ROTATING BEACON LYCOMING O-290-D2A 74" TO 72.5" DIAMETER SENSENICH SKYBLADE VARIABLE PITCH PROPELLER WITH PLASTIC COATED BLADES PIPER PA-20 PACER COWLINGS OIL COOLER Twin Navion.com Dauby / Acme Aircraft X/D-16 CARBURETOR AIR DUCT AND FILTER Trevor McTavish 33' 4 ½" August 12, 2008 Copyright © - T. McTavish, 2008 1/1 Special thanks to Roger Keeney and Ken McTavish