

**COLOR SCHEME**

- NAVY BLUE (GLOSSY) — ENTIRE AIRFRAME EXCEPT WHERE NOTED
- WHITE — INSIGNIA, SQUADRON MARKINGS & ALL OTHER LETTERING
- FLAT BLACK — PROP BLADES; ANTI-GLARE AREAS; TIRES & BOMBS
- GRAY — ROCKETS
- SILVER — PITOT TUBE
- YELLOW — PROPELLER BLADE TIPS

40' 0"

10'-00" DIA. CURTISS ELECTRIC  
VARIABLE PITCH PROPELLER

JET ENGINE AIR INTAKE SCOOP

GUN PORTS, TWO 50 CAL. M.G. EACH WING

APPROACH LIGHT

4° 35" TOP SURFACE

ARR ANTENNA

GUN CAMERA

100 GAL. AUX. FUEL  
TANK

PORT MTG. PYLON FOR  
ORDNANCE STORES

APX-1 ANTENNA

POSITION OF 5" HVAR'S WHEN  
USED, TYP. BOTH WINGS

171.00

SCALE: FEET

SCALE: METERS

32' 3/4" O.A. LENGTH

123

192

RANGE RECEIVER ANTENNA

VHF ANTENNA

81.50

382

11

16 2175 2880

76

123

192

32' 3/4" O.A. LENGTH

RANGE RECEIVER ANTENNA

VHF ANTENNA

81.50

382

11

STEP, SAME LOC-  
ATION PORT & STBD.  
NOSE GEAR DOORS.

CATAPULT BRIDLE  
HOOKS

ARRESTOR HOOK (LOWERED POSITION)

FUSELAGE BREAK POINT (STA. 192)

JET ENGINE SERVICE PANELS

NOSE WHEEL, GOODYEAR 22" X 7.25"  
8 PLY 11.50 TYPE VI

MAIN WHEEL, GOODYEAR 26" X 6.6"  
8 PLY TYPE VII



**RYAN FR-1 FIREBALL**  
(1945-1948)

SCALE: 1:48

DRAWN BY: ROB LAMBERT

GENERAL SPECIFICATIONS -

PERFORMANCE DATA

MAX SPEED (BOTH ENGINES) @ 18,000 FT. — 425 MPH  
 MAX SPEED (BOTH ENGINES) @ SEA LEVEL — 399 MPH  
 MAX SPEED (PISTON ENGINE ONLY) — 320 MPH  
 CRUISE SPEED (PISTON ENGINE ONLY) — 153 MPH  
 MAX SPEED (JET ENGINE ONLY) — 300 MPH  
 CLIMB TO 20,000 FT. (BOTH ENGINES) — 5.6 MIN  
 INITIAL CLIMB RATE (BOTH ENGINES) — 4,800 F.P.M.  
 SERVICE CEILING — 40,000 FT. +  
 RANGE (PISTON ENGINE ONLY @ 153 MPH) — 1,030 MILES

WEIGHTS

EMPTY — 7,635 LBS.  
 NORMAL LOADED — 9,958 LBS.  
 MAX. GROSS A.U.W. — 10,595 LBS.

POWER PLANT

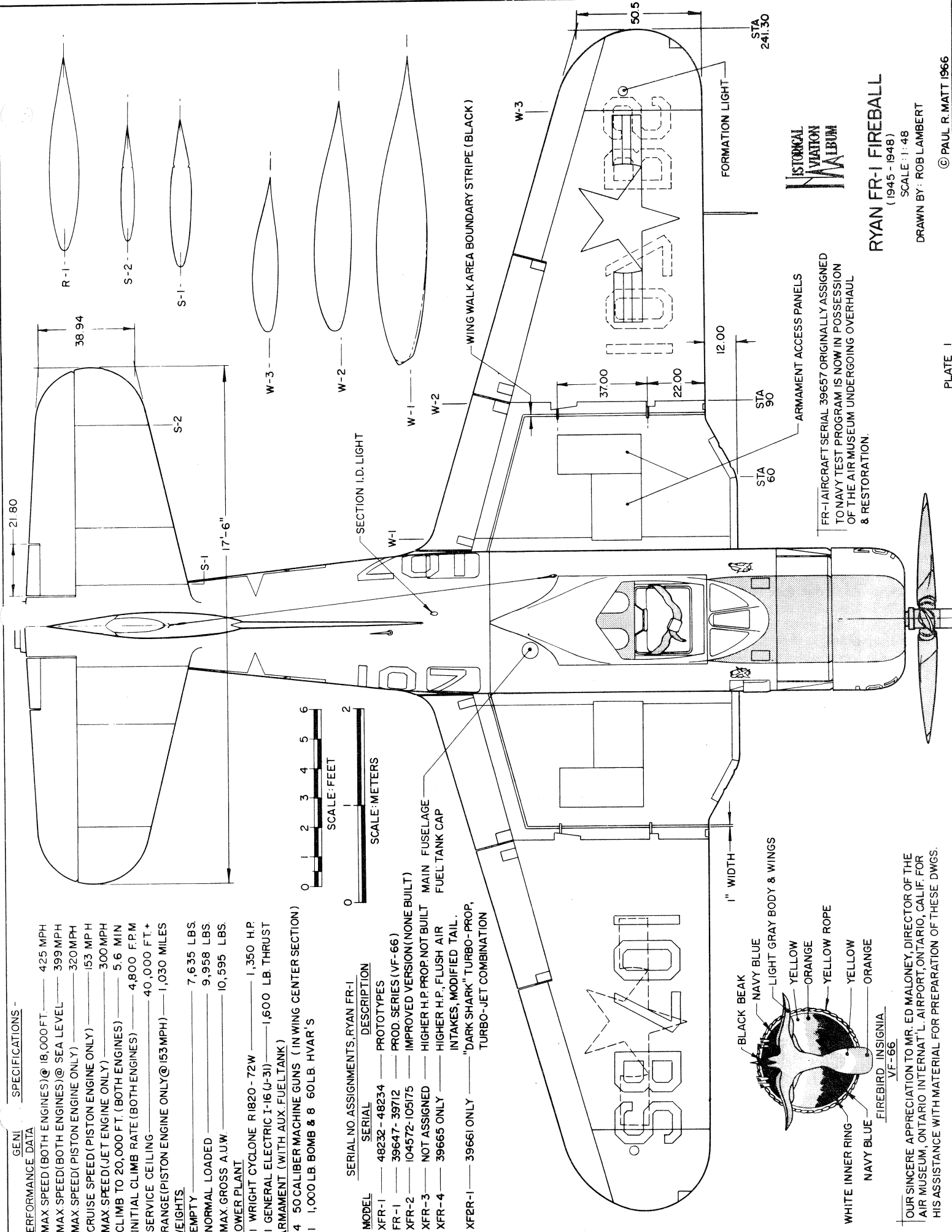
1 WRIGHT CYCLONE R1820-72W — 1,350 H.P.  
 1 GENERAL ELECTRIC I-16 (J-31) — 1,600 LB. THRUST

ARMAMENT (WITH AUX. FUEL TANK)

4 50 CALIBER MACHINE GUNS (IN WING CENTER SECTION)  
 1 1,000 LB BOMB & 8 60 LB. HVAR'S

SERIAL NO. ASSIGNMENTS, RYAN FR-1

MODEL	SERIAL	DESCRIPTION
XFR-1	48232-48234	PROTOTYPES
FR-1	39647-39712	PROD. SERIES (VF-66)
XFR-2	104572-105175	IMPROVED VERSION (NONE BUILT)
XFR-3	NOT ASSIGNED	HIGHER H.P. PROP. NOT BUILT
XFR-4	39665 ONLY	HIGHER H.P., FLUSH AIR INTAKES, MODIFIED TAIL.
XF2R-1	39661 ONLY	"DARK SHARK" TURBO-PROP, TURBO-JET COMBINATION



RYAN FR-1 FIREBALL

(1945 - 1948)

SCALE: 1:48

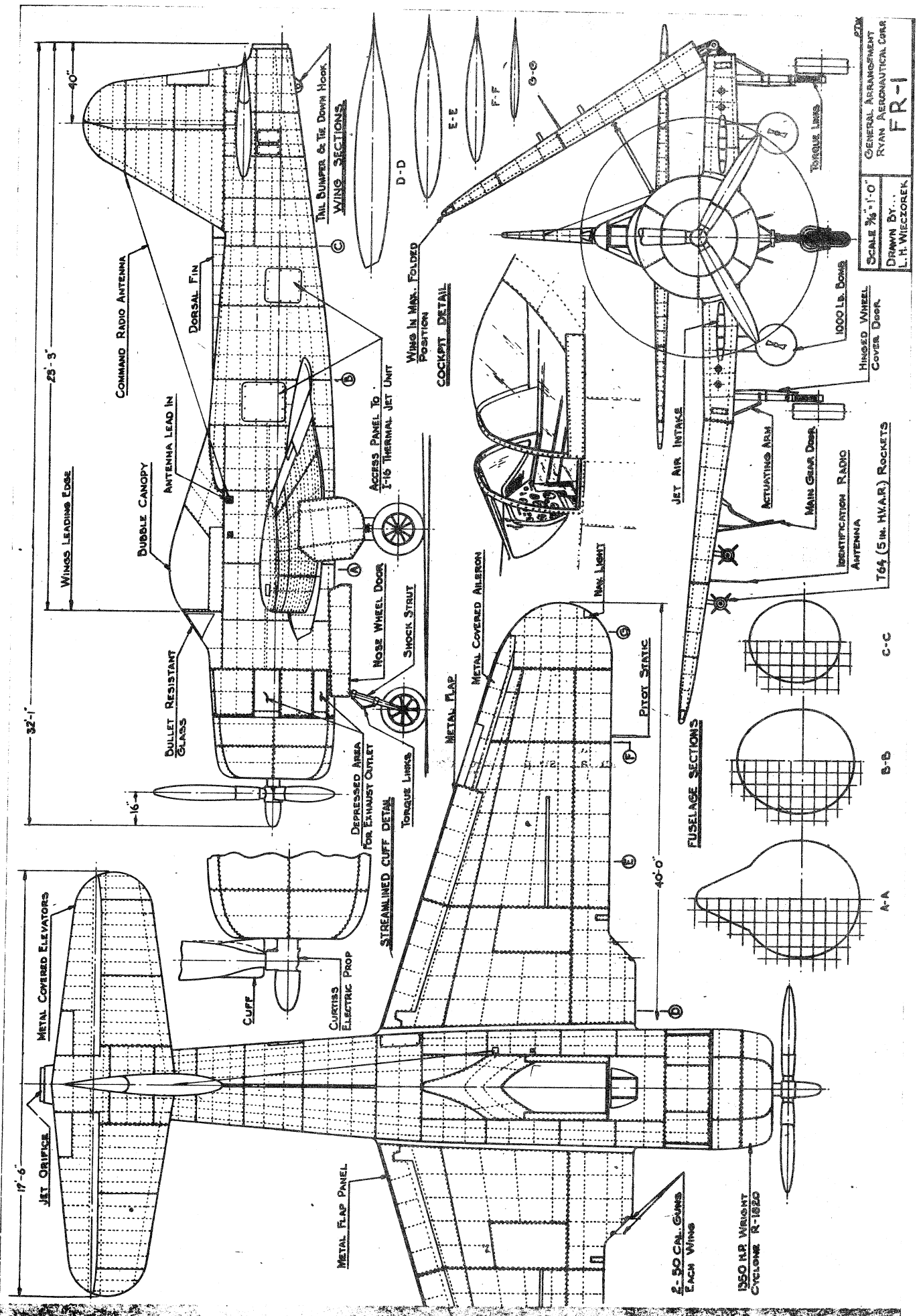
DRAWN BY: ROB LAMBERT

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PLATE 1

FR-1 AIRCRAFT SERIAL 39657 ORIGINALLY ASSIGNED TO NAVY TEST PROGRAM IS NOW IN POSSESSION OF THE AIR MUSEUM UNDERGOING OVERHAUL & RESTORATION.

OUR SINCERE APPRECIATION TO MR. ED MALONEY, DIRECTOR OF THE AIR MUSEUM, ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CALIF. FOR HIS ASSISTANCE WITH MATERIAL FOR PREPARATION OF THESE DWGS.



GENERAL ARRANGEMENT  
 RYAN AERONAUTICAL CORP.  
 SCALE 3/8" = 1'-0"  
 DRAWN BY...  
 L. H. WIECZOREK

FR-1