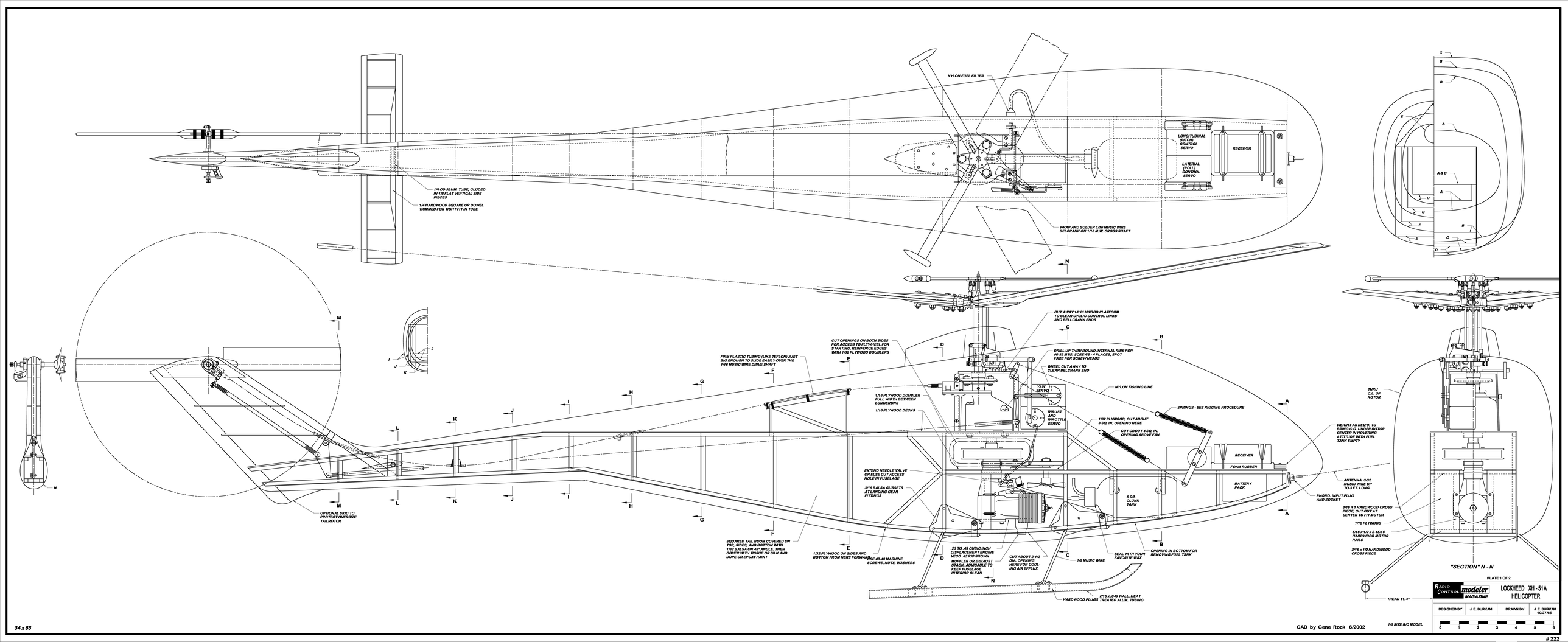
NYLON FUEL FILTER
LONGITUDINAL (PITCH) CONTROL SERVO
LATERIAL (ROLL) CONTROL SERVO
RECEIVER
1/4 OD ALUM. TUBE, GLUED IN 1/8 FLAT VERTICAL SIDE PIECES
1/4 HARDWOOD SQUARE OR DOWEL TRIMMED FOR TIGHT FIT IN TUBE
WRAP AND SOLDER 1/16 MUSIC WIRE BELCRANK ON 1/16 M.W. CROSS SHAFT
CUT AWAY 1/8 PLYWOOD PLATFORM TO CLEAR CYCLIC CONTROL LINKS AND BELLCRANK ENDS
DRILL UP THRU ROUND INTERNAL RIBS FOR #6-32 M.TG. SCREWS - 4 PLACES, SPOT FACE FOR SCREW HEADS
WHEEL CUT AWAY TO CLEAR BELCRANK END
CUT OPENINGS ON BOTH SIDES FOR ACCESS TO FLYWHEEL FOR STARTING, REINFORCE EDGES WITH 1/32 PLYWOOD DOUBLERS
FIRM PLASTIC TUBING (LIKE TEFLON) JUST BIG ENOUGH TO SLIDE EASILY OVER THE 1/16 MUSIC WIRE DRIVE SHAFT
1/16 PLYWOOD DOUBLER FULL WIDTH BETWEEN LONGERONS
1/16 PLYWOOD DECKS
YAW SERVO
THRUST AND THROTTLE SERVO
NYLON FISHING LINE
SPRINGS - SEE RIGGING PROCEDURE
1/32 PLYWOOD, CUT ABOUT 3 SQ. IN. OPENING HERE
CUT OBOUT 4 SQ. IN. OPENING ABOVE FAN
RECEIVER
FOAM RUBBER
BATTERY PACK
6 OZ. CLUNK TANK
EXTEND NEEDLE VALVE OR ELSE CUT ACCESS HOLE IN FUSELAGE
3/16 BALSA GUSSETS AT LANDING GEAR FITTINGS
OPTIONAL SKID TO PROTECT OVERSIZE TAILROTOR
SQUARED TAIL BOOM COVERED ON TOP, SIDES, AND BOTTOM WITH 1/32 BALSA ON 45° ANGLE, THEN COVER WITH TISSUE OR SILK AND DOPE OR EPOXY PAINT
1/32 PLYWOOD ON SIDES AND BOTTOM FROM HERE FORWARD
USE #3-48 MACHINE SCREWS, NUTS, WASHERS
.33 TO .49 CUBIC INCH DISPLACEMENT ENGINE VECO - 45 R/C SHOWN
MUFFLER OR EXHAUST STACK. ADVISABLE TO KEEP FUSELAGE INTERIOR CLEAN
CUT ABOUT 2-1/2 DIA. OPENING HERE FOR COOLING AIR EFFLUX
1/8 MUSIC WIRE
SEAL WITH YOUR FAVORITE WAX
OPENING IN BOTTOM FOR REMOVING FUEL TANK
HARDWOOD PLUGS TREATED ALUM. TUBING
7/16 x .049 WALL, HEAT
THRU C.L. OF ROTOR
WEIGHT AS REQ'D. TO BRING C.G. UNDER ROTOR CENTER IN HOVERING ATTITUDE WITH FUEL TANK EMPTY
ANTENNA, 3/32 MUSIC WIRE UP TO 3 FT. LONG
PHONO. INPUT PLUG AND SOCKET
3/16 X 1 HARDWOOD CROSS PIECE, CUT OUT AT CENTER TO FIT MOTOR
1/16 PLYWOOD
5/16 x 1/2 x 2-15/16 HARDWOOD MOTOR RAILS
3/16 x 1/2 HARDWOOD CROSS PIECE
"SECTION" N - N
TREAD 11.4"
PLATE 1 OF 2
RADIO CONTROL modeler MAGAZINE
LOCKHEED XH-51A HELICOPTER
DESIGNED BY J. E. BURKAM
DRAWN BY J. E. BURKAM 10/27/65
1/6 SIZE R/C MODEL
0 1 2 3 4 5 6
34 x 83
CAD by Gene Rock 6/2002
222

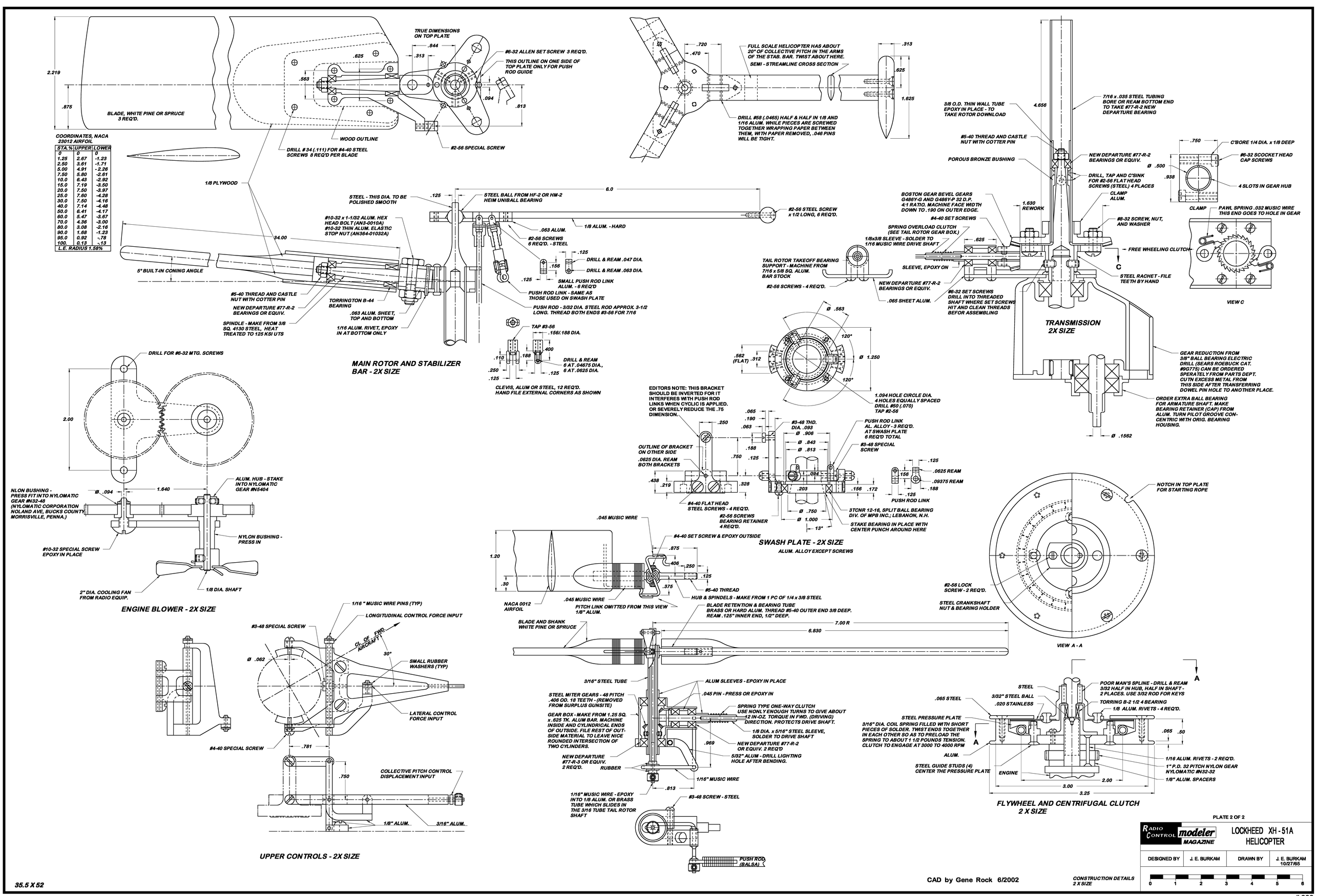

PLATE 2 OF 2

RADIO CONTROL modeler MAGAZINE

LOCKHEED XH-51A HELICOPTER

DESIGNED BY	J. E. BURKAM	DRAWN BY	J. E. BURKAM 10/27/65

CAD by Gene Rock 6/2002

CONSTRUCTION DETAILS 2 X SIZE

35.5 X 52

222