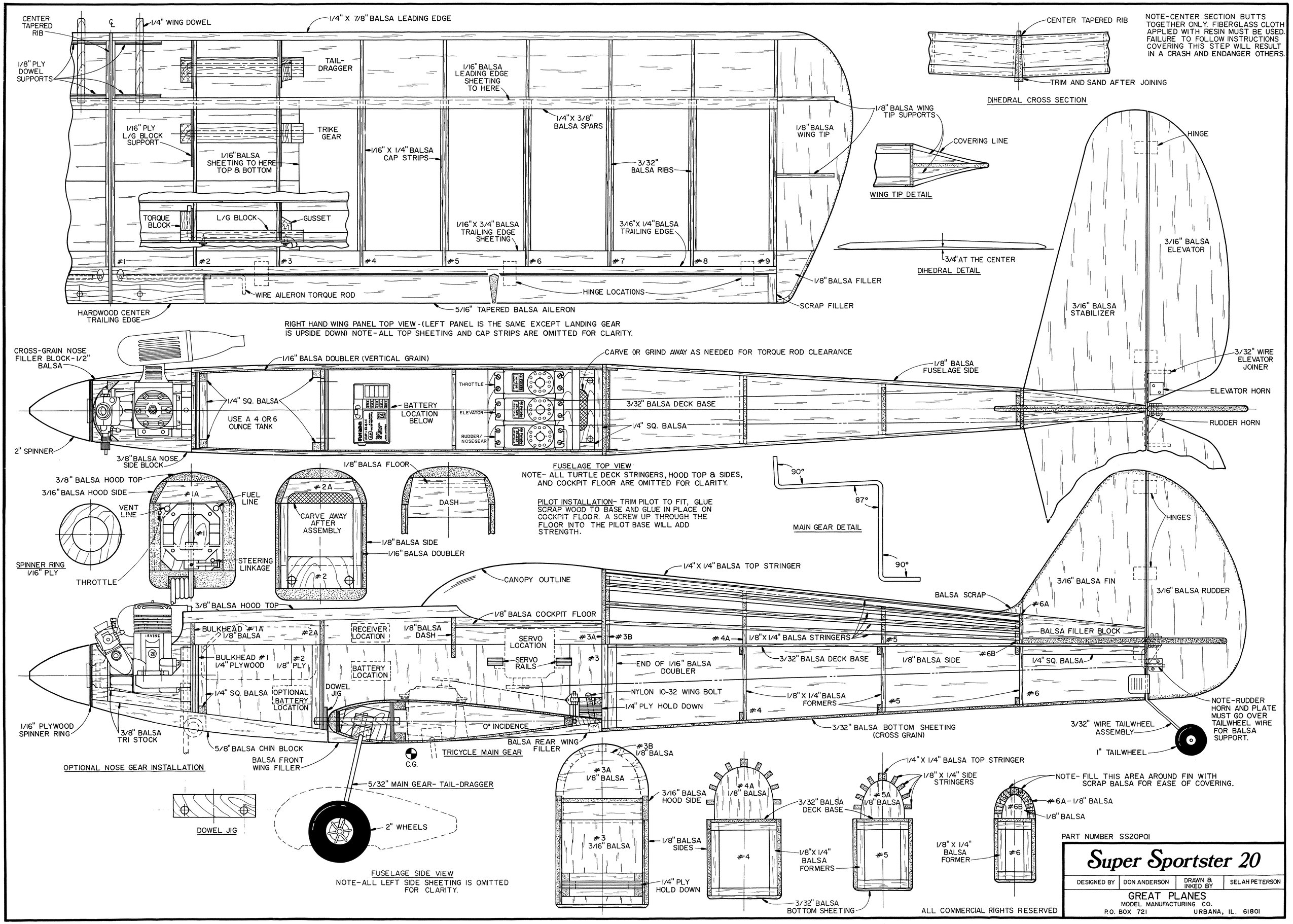
CENTER TAPERED RIB
1/4" WING DOWEL
1/4" X 7/8" BALSA LEADING EDGE
1/8" PLY DOWEL SUPPORTS
TAIL-DRAGGER
1/16" BALSA LEADING EDGE SHEETING TO HERE
1/4" X 3/8" BALSA SPARS
1/8" BALSA WING TIP SUPPORTS
1/8" BALSA WING TIP
1/16" PLY L/G BLOCK SUPPORT
TRIKE GEAR
1/16" BALSA SHEETING TO HERE TOP & BOTTOM
1/16" X 1/4" BALSA CAP STRIPS
3/32" BALSA RIBS
TORQUE BLOCK
L/G BLOCK
GUSSET
1/16" X 3/4" BALSA TRAILING EDGE SHEETING
3/16" X 1/4" BALSA TRAILING EDGE
#1
#2
#3
#4
#5
#6
#7
#8
#9
1/8" BALSA FILLER
WIRE AILERON TORQUE ROD
HINGE LOCATIONS
SCRAP FILLER
HARDWOOD CENTER TRAILING EDGE
5/16" TAPERED BALSA AILERON
RIGHT HAND WING PANEL TOP VIEW - (LEFT PANEL IS THE SAME EXCEPT LANDING GEAR IS UPSIDE DOWN) NOTE - ALL TOP SHEETING AND CAP STRIPS ARE OMITTED FOR CLARITY.
CENTER TAPERED RIB
TRIM AND SAND AFTER JOINING
DIHEDRAL CROSS SECTION
NOTE-CENTER SECTION BUTTS TOGETHER ONLY. FIBERGLASS CLOTH APPLIED WITH RESIN MUST BE USED. FAILURE TO FOLLOW INSTRUCTIONS COVERING THIS STEP WILL RESULT IN A CRASH AND ENDANGER OTHERS.
COVERING LINE
WING TIP DETAIL
3/4" AT THE CENTER
DIHEDRAL DETAIL
HINGE
3/16" BALSA ELEVATOR
3/16" BALSA STABILIZER
3/32" WIRE ELEVATOR JOINER
ELEVATOR HORN
RUDDER HORN
CROSS-GRAIN NOSE FILLER BLOCK-1/2" BALSA
1/16" BALSA DOUBLER (VERTICAL GRAIN)
CARVE OR GRIND AWAY AS NEEDED FOR TORQUE ROD CLEARANCE
1/8" BALSA FUSELAGE SIDE
1/4" SQ. BALSA
USE A 4 OR 6 OUNCE TANK
BATTERY LOCATION BELOW
THROTTLE
ELEVATOR
RUDDER/ NOSEGEAR
3/32" BALSA DECK BASE
1/4" SQ. BALSA
2" SPINNER
3/8" BALSA NOSE SIDE BLOCK
FUSELAGE TOP VIEW
NOTE- ALL TURTLE DECK STRINGERS, HOOD TOP & SIDES, AND COCKPIT FLOOR ARE OMITTED FOR CLARITY.
PILOT INSTALLATION- TRIM PILOT TO FIT, GLUE SCRAP WOOD TO BASE AND GLUE IN PLACE ON COCKPIT FLOOR. A SCREW UP THROUGH THE FLOOR INTO THE PILOT BASE WILL ADD STRENGTH.
90°
87°
90°
MAIN GEAR DETAIL
3/8" BALSA HOOD TOP
3/16" BALSA HOOD SIDE
#1A
FUEL LINE
VENT LINE
#1
STEERING LINKAGE
SPINNER RING 1/16" PLY
THROTTLE
1/8" BALSA FLOOR
#2A
CARVE AWAY AFTER ASSEMBLY
DASH
1/8" BALSA SIDE
1/16" BALSA DOUBLER
#2
HINGES
CANOPY OUTLINE
1/4" X 1/4" BALSA TOP STRINGER
3/16" BALSA FIN
3/16" BALSA RUDDER
BALSA SCRAP
#6A
3/8" BALSA HOOD TOP
1/8" BALSA COCKPIT FLOOR
BULKHEAD #1A 1/8" BALSA
#2A
RECEIVER LOCATION
1/8" BALSA DASH
SERVO LOCATION
#3A
#3B
#4A
1/8" X 1/4" BALSA STRINGERS
#5
BALSA FILLER BLOCK
BULKHEAD #1 1/4" PLYWOOD
#2 1/8" PLY
BATTERY LOCATION
SERVO RAILS
#3
END OF 1/16" BALSA DOUBLER
3/32" BALSA DECK BASE
1/8" BALSA SIDE
#6B
1/4" SQ. BALSA
1/4" SQ. BALSA
OPTIONAL BATTERY LOCATION
DOWEL JIG
NYLON 10-32 WING BOLT
1/4" PLY HOLD DOWN
1/8" X 1/4" BALSA FORMERS
#5
#6
#4
NOTE-RUDDER HORN AND PLATE MUST GO OVER TAILWHEEL WIRE FOR BALSA SUPPORT.
1/16" PLYWOOD SPINNER RING
3/8" BALSA TRI STOCK
0° INCIDENCE
3/32" BALSA BOTTOM SHEETING (CROSS GRAIN)
3/32" WIRE TAILWHEEL ASSEMBLY
5/8" BALSA CHIN BLOCK
BALSA REAR WING FILLER
TRICYCLE MAIN GEAR
1" TAILWHEEL
OPTIONAL NOSE GEAR INSTALLATION
BALSA FRONT WING FILLER
C.G.
#3B 1/8" BALSA
#3A 1/8" BALSA
3/16" BALSA HOOD SIDE
#3 3/16" BALSA
1/8" BALSA SIDES
1/4" PLY HOLD DOWN
#4A 1/8" BALSA
3/32" BALSA DECK BASE
#4
1/8" X 1/4" BALSA FORMERS
3/32" BALSA BOTTOM SHEETING
1/4" X 1/4" BALSA TOP STRINGER
1/8" X 1/4" SIDE STRINGERS
#5A 1/8" BALSA
#5
NOTE- FILL THIS AREA AROUND FIN WITH SCRAP BALSA FOR EASE OF COVERING.
#6A - 1/8" BALSA
#6B
1/8" BALSA
1/8" X 1/4" BALSA FORMER
#6
5/32" MAIN GEAR- TAIL-DRAGGER
2" WHEELS
DOWEL JIG
FUSELAGE SIDE VIEW
NOTE-ALL LEFT SIDE SHEETING IS OMITTED FOR CLARITY.
PART NUMBER SS20P01
Super Sportster 20
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DRAWN & INKED BY
SELAH PETERSON
GREAT PLANES
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