Amateur-Built Fabrication and Assembly Checklist (2011) Fixed Wing

| Name(s) | Just Aircraft LLC |
|---------------------|--|
| Address: | 170 Duck Pond Road, Walhalla, SC 29691 |
| Aircraft Model: | Superstol (Standard) Model JA30 & JA35 |
| Date: | 2/26/2014 |
| D | Model(s) JA30 Superstol (Standard Kit) & |
| Remarks: | JA35 Superstol Stretch (Standard Kit) |
| | |
| These kit(s) are de | fined by Bill of Materials dated 3/11/2014 |

NOTE: This checklist is only applicable to fixed wing aircraft. Evaluation of other types of aircraft (i.e., rotorcraft, balloons, lighter than air) will not be accomplished with this form.

NOTE: This checklist is invalid for and will not be used to evaluate an altered or modified type certificated aircraft with the intent to issue an Experimental Amateurbuilt Airworthiness Certificate. Such action violates FAA policy and DOES NOT meet the intent of § 21.191(g).

Instructions For Using The Amateur-Built Fabrication and Assembly Checklist (2011):

A point (each task equals 1 point) can be divided over multiple categories (Manufacturer, Commercial Assistance, Amateur Builder Assembly and Amateur Builder Fabrication) into 1/10 fractions. A Manufacturer may be a kit manufacturer, a component manufacturer or a part(s) manufacturer. Commercial assistance (for hire or compensation) may include assistance provided by kit manufacturers, commercial assistance centers, individuals (e.g. A& P mechanics or avionics technicians).

For example, 0.5 (half point) can be assigned to the Manufacturer, 0.3 (3/10 - 3 tenths) as Commercial Assistance, 0.2 to the Amateur Builder as Fabrication, for a total of 1 point.

Enter "N/A" in any box where a listed task is not applicable to the particular aircraft being evaluated. Use the "Add item" boxes at the end of each section to add applicable unlisted tasks and award credit.

| | | A | В | C | D |
|------|--|---------------|------------|------------|-------------|
| FAB | RICATION AND ASSEMBLY TASKS | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | Component | Assistance | Assembly | Fabrication |
| Task | K Fuselage – 22 Listed Tasks | | | | |
| # | - | | | | |
| F1 | 1 Fabricate Longitudinal Members | 0.8 | | | |
| F2 | Fabricate Composite Cores or Shells, Skins | N/A | | | |
| F3 | 1 Fabricate Bulkheads or Cross members | 1 | | | |
| F4 | 1 Fabricate Flt Control Push Pull Tubes/Cables | 0.4 | | | |
| F5 | 1 Assemble Flt Control Push Pull Tubes/Cables | 0 | | | |
| F6 | 1 Assemble Fuselage Basic Structure | 1 | | | |

| | | | A | В | C | D |
|-------------------|------------|---------------------------------|----------------------------|--------------------------|------------------------|---------------------------|
| FABRIC | CATION | AND ASSEMBLY TASKS | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | | Component | Assistance | Assembly | Fabrication |
| F7 1 F | abricate B | trackets and Fittings | 0.7 | | | |
| F8 1 A | ssemble I | Brackets and Fittings | 0.7 | | | |
| F9 1 F | abricate C | Sables, Wire, and Lines | 0 | | | |
| F10 1 A | ssemble (| Cables, Wire, and Lines | 0 | | | |
| F11 1 F | abricate F | uselage Fuel System Components | 0.8 | | | |
| F12 1 A | ssemble I | Fuselage Fuel System Components | 0 | | | |
| F13 1 F | abricate F | uselage Covering or Skin | 0.1 | | | |
| F14 1 A | ssemble I | Fuselage Covering or Skin | 0 | | | |
| F15 1 F | abricate V | Vindshield | 0 | | | |
| F16 1 A | ssemble V | Windshield to Fuselage | 0 | | | |
| F17 1 F | abricate V | Vindows | 0 | | | |
| F18 1 A | ssemble V | Windows to Fuselage | 0 | | | |
| F19 1 F | abricate D | Doors/Canopy | 0.7 | | | |
| F20 1 A | ssemble I | Doors/Canopy to Fuselage | 0 | | | |
| F21 F | abricate N | Mast and Strut Assembly | N/A | | | |
| F22 A | ssemble I | Mast and Strut Assembly | N/A | | | |
| F23 1 A | dd Fab ite | em: Fabricate RudderPeddals | 0.9 | | | |
| F24 1 A | dd Assy i | tem: Assemble Rudder Peddals | 0 | | | |
| F25 | Add Fab it | em: | | | | |
| F26 A | dd Assy i | tem: | | | | |
| Total Fuselage | - | Fuselage Subtotal | Mfr Kit/Part/ Component | Commercial Assistance | Am-Builder Assembly | Am-Builder Fabrication |
| 2 | 1 | Fuselage Total Points ► | 7.1 | | | |

Fuselage Comments: Both the JA30 Superstol and the JA35 Superstol Stretch fuselage utilize the same fabrication and assembly tasks at the same level of completion, therefore the percentage points are also the same.

| | | A | В | C | D |
|-----------|---|---------------|------------|------------|-------------|
| | FABRICATION AND ASSEMBLY TASKS | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | Component | Assistance | Assembly | Fabrication |
| Task # | Wings – 47 Listed Tasks | | | | |
| W1 | 1 Fabricate Right Wing Spars | 0.9 | | | |
| W2 | 1 Fabricate Right Wing Ribs | 0.9 | | | |
| W3 | Assemble Wing Spars and Ribs to Form Right Wing Primary Structure | 0 | | | |
| W4 | 1 Fabricate Left Wing Spars | 0.9 | | | |
| W5 | 1 Fabricate Left Wing Ribs | 0.9 | | | |
| W6 | Assemble Wing Spars and Ribs to Form Left Wing Primary Structure | 0 | | | |
| W7 | Fabricate Composite Cores | N/A | | | |
| W8 | Assemble Composite Cores to Wing | N/A | | | |
| W9 | 1 Fabricate Wing Leading and Trailing Edges | 0.9 | | | |
| W10 | 1 Assemble Wing Leading & Trailing Edges to Wing | 0 | | | |
| W11 | 1 Fabricate Drag/Anti-drag Truss Members | 1 | | | |
| W12 | 1 Assemble Drag/Anti-drag Truss Members to Wing | 0 | | | |
| W13 | 1 Fabricate Wing Brackets and Fittings | 1 | | | |
| W14 | 1 Assemble Wing Brackets and Fittings to Wing | 0 | | | |
| W15 | 1 Fabricate Wing Tips | 1 | | | |
| W16 | 1 Assemble Wing Tips to Wings | 0 | | | |
| W17 | Fabricate Special Tools or Fixtures | N/A | | | |
| W18 | 1 Fabricate Aileron Spars | 0.9 | | | |
| W19 | 1 Fabricate Aileron Ribs or Cores | 0.9 | | | |
| W20 | Assemble Aileron Spars, Ribs and/or Cores to Form Aileron Primary Structure | 0 | | | |
| W21 | 1 Fabricate Aileron Brackets and Fittings | 1 | | | |
| W22 | 1 Assemble Aileron Brackets & Fittings to Aileron | 0 | | | |
| W23 | Fabricate Aileron Covering or Skin (Includes Leading and Trailing Edges) | 0.5 | | | |
| W24 | 1 Assemble Aileron Covering or Skin to Aileron | 0 | | | |
| W25 | 1 Assemble Aileron to Wing | 0 | | | |
| W26 | 1 Fabricate Flap Spars | 0.9 | | | |
| W27 | 1 Fabricate Flap Ribs or Cores | 0.9 | | | |
| W28 | Assemble Flap Spars, Ribs or Cores to Form Flap Primary Structure | 0 | | | |
| W29 | 1 Fabricate Flap Bracket and Fittings | 1 | | | |
| W30 | 1 Assemble Flap Brackets & Fittings to Flap | 0 | | | |

| | | A | В | C | D |
|--|--|----------------------------|--------------------------|------------------------|---------------------------|
| FABRICATION AND ASSEMBLY TASKS | | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | Component | Assistance | Assembly | Fabrication |
| W31 1 Fabricat Trailing | e Flap Covering or Skin (Includes Leading and Edges) | 0.5 | | | |
| W32 1 Assemb | e Flap Covering or Skin to flap | 0 | | | |
| W33 1 Assemb | e Flaps to Wing | 0 | | | |
| W34 Fabricat | e Wing External Lighting Components | N/A | | | |
| W35 Assemb | e Wing Ext Lighting Components to Wing | N/A | | | |
| W36 1 Assemb | le Basic Wing Structure | 0 | | | |
| W37 Fabricat | e Wing Fuel System components | N/A | | | |
| W38 Assemb | e Wing Fuel System Components to Wing | N/A | | | |
| W39 1 Fabricat | e Cables Wires and Lines | 0 | | | |
| W40 1 Assemb | e Cables Wires and Lines to Wing | 0 | | | |
| W41 1 Fabricat | e Wing Covering or Skin | 0 | | | |
| W42 1 Assemb | e Wing Covering or Skin to Wing | 0 | | | |
| W43 1 Fabricat | e Wing Struts/Wires | 1 | | | |
| W44 1 Assemb | e Wing Struts/Wires | 0 | | | |
| W45 1 Fabricat | e Fuel Tanks | 0.9 | | | |
| W46 1 Assemb | e Fuel Tanks to Wing | 0 | | | |
| W47 1 Assemb | e Wings to Next Higher Structure | 0 | | | |
| W48 1 Add Fab | item: Slat Spars | 0.9 | | | |
| W49 1 Add Ass | y item: Slat Spars | 0 | | | |
| W50 1 Add Fab | item: Slat Ribs / Cores | 0.9 | | | |
| W51 1 Add Fab | item: Slat Brackets & Fitting | 1 | | | |
| W52 1 Add Ass | y item: Slat Brackets & Fittings | 0 | | | |
| W53 1 Add Fab item: Slat covering /skin | | 0.9 | | | |
| W54 1 Add Assy item: Slat covering / skins | | 0 | | | |
| W55 1 Add Ass | y item: Slat Ribs / Cores | 0 | | | |
| Total # of Win Tasks | Wings Subtotal | Mfr Kit/Part/ Component | Commercial Assistance | Am-Builder Assembly | Am-Builder Fabrication |
| 48 | Wings Total Points ▶ | 19.7 | | | |

| Wing Comments: | | | |
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| | EADDICATION AND ACCEMBLY TACKS | A | В | C | D |
|-----------|--|-----------|------------|----------|-------------|
| | FABRICATION AND ASSEMBLY TASKS N | | Commercial | | Am-Builder |
| T 1 | F 42 I ' 4 I T 1 | Component | Assistance | Assembly | Fabrication |
| Task # | Empennage – 42 Listed Tasks | | | | |
| E1 | 1 Fabricate Horizontal Stabilizer Spars | 1 | | | |
| E2 | 1 Fabricate Horizantil Stabilizar Ribs or Cores | 1 | | | |
| E3 | Assemble Horizontal Stabilizer Ribs or Cores to Form Primary Horz-Stab Structure | N/A | | | |
| E4 | 1 Fabricate Horizontal Stabilizer Brackets & Fittings | 1 | | | |
| E5 | Assemble Horizontal Stabilizer Brackets and Fittings to Stabilizer | 0 | | | |
| E6 | Fabricate Horizontal Stabilizer Lead/Trailing Edges | N/A | | | |
| E7 | Assemble Horizontal Stabilizer Lead/Trailing Edges to Stabilizer | N/A | | | |
| E8 | 1 Fabricate Horizontal Stabilizer Cables, Wires and Lines | 0 | | | |
| Е9 | Assemble Horizontal Stabilizer Cables, Wires and Lines to stabilizer | 0 | | | |
| E10 | 1 Fabricate Horizontal Stabilizer Empennage Covering or Skin | 0 | | | |
| E11 | Assemble Horizontal Stabilizer Empennage Covering or Skin to Stabilizer | 0 | | | |
| E12 | 1 Assemble Horizontal Stabilizer Structure to Fuselage | 0 | | | |
| E13 | 1 Fabricate Elevator Spars | 1 | | | |
| E14 | 1 Fabricate Elevator Ribs Cores | 1 | | | |
| E15 | Assemble Elevator Spars, Ribs or Cores to Form Primary Elevator Structure | N/A | | | |
| E16 | Fabricate Elevator Brackets and Fittings | N/A | | | |
| E17 | Assemble Elevator Brackets and fittings to Elevator | N/A | | | |
| E18 | Fabricate Elevator Covering or Skins (Includes Leading and Trailing Edges) | 0 | | | |
| E19 | Ę | 0 | | | |
| E20 | 1 Fabricate Elevator trim Tab | 1 | | | |
| E21 | 1 Assemble Elevator Trim Tab to Elevator | 0 | | | |
| E22 | 1 Assemble Elevator to Horizontal Stablizer | 0 | | | |
| E23 | 1 Fabricate Vertical Stabilizer Spars | 1 | | | |
| E24 | 1 Fabricate Vertical Stabilizer Ribs Cores | 1 | | | |
| E25 | Assemble Spars, Ribs and/or Cores to Form Primary Vertical Stabilizer Structure | N/A | | | |
| E26 | Fabricate Vertical Stabilizer Brackets and Fittings | N/A | | | |
| E27 | Assemble Brackets and Fittings to Vertical Stabilizer | N/A | | | |
| E28 | 1 Fabricate Vertical Stabilizer Cables, Wires and Lines | 0 | | | |
| E29 | Assemble Cables, Wires, Lines to Vertical Stabilizer | N/A | | | |
| E30 | Fabricate Vertical Stabilizer Covering or Skin (Includes Leading and Trailing Edges) | 0 | | | |

| | FABRICATION AND ASSEMBLY TASKS | | A | В | C | D |
|--------------------|--|--|-----------|--------------------------|------------------------|---------------------------|
| | FABRICATION AND ASSEMBLY TASKS | | | Commercial | Am-Builder | Am-Builder |
| | | | Component | Assistance | Assembly | Fabrication |
| E31 1 | Assemble 'Stabilizer | Vertical Stabilizer Covering or Skin to Vertical | 0 | | | |
| E32 1 | Assemble ` | Vertical Stabilizer to Next Higher Structure | 0 | | | |
| E33 1 | | Rudder Spar | 1 | | | |
| E34 1 | Fabricate F | Rudder Ribs or Cores | 1 | | | |
| E35 1 | Assemble l Rudder Str | Rudder Spars, Ribs and/or Cores to Form Primary ucture | 1 | | | |
| E36 1 | Fabricate F | Rudder Brackets and Fittings | 1 | | | |
| E37 | Assemble 1 | Rudder Brackets and Fittings to Rudder | N/A | | | |
| E38 1 | Fabricate F Trailing Ec | Rudder Covering or Skin (Includes Leading and Iges) | 0 | | | |
| E39 1 | Assemble 1 | Rudder Covering or Skin to Rudder | 0 | | | |
| E40 | Fabricate F | Rudder Trim Tab | N/A | | | |
| E41 | Assemble 1 | Rudder Trim Tab to Rudder | N/A | | | |
| E42 1 | Assemble 1 | Rudder to Vertical Stabilizer | 0 | | | |
| E43 | Add Fab it | em: | | | | |
| E44 | E44 Add Assy item: | | | | | |
| E45 Add Fab item: | | | | | | |
| E46 Add Assy item: | | | | | | |
| Emp | Total # of Empennage <u>Empennage Subtotal</u> | | | Commercial Assistance | Am-Builder Assembly | Am-Builder Fabrication |
| | Tasks 29 | Empennage Total Points ▶ | 12 | | | |

| Empennage Comments:. | | | |
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| | EA DDIA | CATION AND ACCEMBLY TACKS | A | В | C | D |
|-----------|---|---|----------------------------|--------------------------|------------------------|---------------------------|
| | FABRICATION AND ASSEMBLY TASKS | | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | | Component | Assistance | Assembly | Fabrication |
| Task # | Landi | ng Gear – 14 Listed Tasks | | | | |
| LG1 1 | Fabricate I | Landing Gear Struts or Major Components | 1 | | | |
| LG2 1 | | Landing Gear Struts or Major Components to ary Landing Gear Structure | 0 | | | |
| LG3 1 | Assemble 3 Structure | Landing Gear System Components Next Level | 0 | | | |
| LG4 1 | Fabricate F | Brake System Components | 0.9 | | | |
| LG5 1 | Assemble | Brake System Components to Wheels/Gear | 0 | | | |
| LG6 1 | Assemble ' | Wheels and Tires to Landing Gear | 0 | | | |
| LG7 | Fabricate I | Landing Gear Bracket and Fittings | N/A | | | |
| LG8 | Assemble I Gear | Landing Gear Bracket and Fittings to Landing | N/A | | | |
| LG9 | Fabricate I | Landing Gear Actuation System Components | N/A | | | |
| LG10 | | Landing Gear Actuation System Components to er Structure | N/A | | | |
| LG11 | Fabricate I | Landing Gear System Cables, Wires and Lines | N/A | | | |
| LG12 | Assemble Level Struc | Landing Gear Cables, Wires and Lines to Next cture | N/A | | | |
| LG13 | Fabricate I | Landing Gear Fairings/Gear Doors | N/A | | | |
| LG14 | Assemble Landing Gear Fairings/Gear Doors to Next Level Structure | | N/A | | | |
| LG15 | LG15 Add Fab item: | | | | | |
| LG16 | Add Assy | item: | | | | |
| | # of Land ar Tasks | Landing Gear Subtotal | Mfr Kit/Part/ Component | Commercial Assistance | Am-Builder Assembly | Am-Builder Fabrication |
| | 6 | Landing Gear Total Points ▶ | 1.9 | | | |

| Landing Gear Comments: |
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| EADD | | | A | В | C | D |
|-----------|--|---|---------------|------------|------------|-------------|
| | FABR | ICATION AND ASSEMBLY TASKS | Mfr Kit/Part/ | Commercial | Am-Builder | Am-Builder |
| | | | Component | Assistance | Assembly | Fabrication |
| Task # | Pro | pulsion – 26 Listed Tasks | | | | |
| P1 | 1 Fabricate I | Engine Mounts | 1 | | | |
| P2 | 1 Assemble | Engine Mounts to Next Level Structure | 0 | | | |
| Р3 | Fabricate I | Engine Cooling System/Baffles | N/A | | | |
| P4 | Assemble | Engine Cooling System Baffles to Engine | N/A | | | |
| P5 | Fabricate I System | Engine Compartment Overheat/Fire Detection | N/A | | | |
| P6 | Assemble | Engine Compartment Overheat/Fire Detection Engine Compartment | N/A | | | |
| P7 | | nduction System | N/A | | | |
| P8 | . | Induction System to Engine | N/A | | | |
| P9 | | Exhaust System | * | | | |
| P10 | | Exhaust System to Engine | 0 | | | |
| P11 | | Engine Control Installation Brackets | * | | | |
| P12 | | Engine Controls to Next Level Structure | 0 | | | |
| P13 | | Brackets and Fittings | * | | | |
| P14 | | Brackets and Fittings to Next Level Structure | * | | | |
| P15 | <u> </u> | Cables, Wires and Lines | * | | | |
| P16 | | Cables, Wires and Lines to next Level Structure | * | | | |
| P17 | <u> </u> | Engine (Likely N/A) | N/A | | | |
| P18 | <u> </u> | Engine to Engine Mount | 0 | | | |
| P19 | <u> </u> | Engine Propeller (Likely N/A) | N/A | | | |
| P20 | | Propeller Spinner Components | * | | | |
| P21 | <u> </u> | Propeller and Spinner to Engine | 0 | | | |
| P22 | Fabricate I | Engine Cowling | * | | | |
| P23 | 1 Assemble | Engine Cowling to Airframe | 0 | | | |
| P24 | Assemble Structure | Engine Fuel System Components to Next Level | 0 | | | |
| P25 | 1 Fabricate I | Firewall | 0.3 | | | |
| P26 | 1 Assemble | Firewall To Next Level Structure | 0 | | | |
| P27 | Add Fab it | em: | | | | |
| P28 | Add Assy | item: | | | | |
| P29 | Add Fab it | | | | | |
| P30 | Add Assy | | | | | |
| | otal # of | | MC Will Down | C | A D 11.1 | A D 111 |
| Pı | ropulsion | Propulsion Subtotal | Mfr Kit/Part/ | Commercial | Am-Builder | |
| | Tasks | | Component | Assistance | Assembly | Fabrication |
| | 10 | Propulsion Total Points ▶ | 1.3 | | | |

| Propuls | sion Co | mments: |
|---------|---------|---------|
|---------|---------|---------|

| | EADDICATION AND ACCEMBLY TACKS | | A | В | C | D |
|--|--------------------------------|---|----------------------------|--------------------------|------------------------|---------------------------|
| FABRICATION AND ASSEMBLY TASKS | | Mfr Kit/Part/ | | | | |
| . . | | | Component | Assistance | Assembly | Fabrication |
| Task # | Cockp | it Interior – 23 Listed Tasks | | | | |
| C1 | 1 Fabricate I | nstrument Panel | 0.2 | | | |
| C2 | Fabricate I | nstrument Sub Panels, Brackets and Fittings | N/A | | | |
| С3 | | Instrument Panel, Sub Panels and Brackets and Next Higher Structure | 0 | | | |
| C4 | | Avionics to Instrument Panel | N/A | | | |
| C5 | 1 Fabricate S | Seats | 0.5 | | | |
| C6 | 1 Fabricate S | Seat Brackets and Fittings | 0.7 | | | |
| C7 | 1 Assemble | Seats and Brackets and Fittings to Cockpit | 0 | | | |
| C8 | Fabricate S Brackets | Seat Belts and Shoulder Harness Fittings and | 1 | | | |
| С9 | 1 Assemble Brackets to | Seat Belts and Shoulder Harness Fittings and Structure | 0 | | | |
| C10 | Fabricate I | Electrical Wiring, Controls and Switches | * | | | |
| C11 | Assemble Level Struc | Electrical Systems Controls and Switches to Next cture | * | | | |
| C12 | 1 Fabricate | Control Yokes/Sticks | 0.9 | | | |
| C13 | 1 Assemble | Control Yokes/Sticks to Flight Control System | 0 | | | |
| C14 | 1 Fabricate A | All Flight Control Push Pull Tubes and/or Cables | 0.3 | | | |
| C15 1 Assemble Flight Control Push Pull Tubes and/or Cables to Next Higher Structure | | 0 | | | | |
| C16 | 1 Fabricate F | Rudder Pedals | 0.9 | | | |
| C17 | 1 Assemble | Rudder Pedals to Next Higher Structure | 0 | | | |
| C18 | 1 Fabricate | Roll-Pitch and Yaw Trim Systems | 0.3 | | | |
| C19 | 1 Assemble | Roll-Pitch and Yaw Trim Systems to Next Higher | 0 | | | |
| C20 | Fabricate I | Flap/Spoiler Controls | N/A | | | |
| C21 | Assemble | Flap/Spoiler Controls to Next Higher Structure | N/A | | | |
| C22 | 1 Fabricate (| Closeout Panels/Floor Panels | 0.1 | | | |
| C23 | | | 0 | | | |
| C24 Add Fab item: | | - | | | | |
| C25 Add Assy item: | | | | | | |
| | otal # of kpit Tasks | Cockpit Interior Subtotal | Mfr Kit/Part/ Component | Commercial Assistance | Am-Builder Assembly | Am-Builder Fabrication |
| | 17 | Cockpit Interior Total Points ► | 4.9 | | | |

| Cockpit | Comments: |
|---------|-----------|
|---------|-----------|

| Total # of Aircraft Tasks | |
|---------------------------------|-----------------|
| 131 | <u>◀ SUM #1</u> |

| | TOTAL | TASKS | AND | LINE | ITEMS |
|--|-------|-------|-----|------|-------|
|--|-------|-------|-----|------|-------|

| | 1 | | |
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| FABRICATION AND ASSEMBLY SUM | IMARY | A | В | C | D |
|--|-------------------------|----------------------------|--------------------------|------------------------|---------------------------|
| | | Mfr Kit/Part/ Component | Commercial Assistance | Am Builder Assembly | Am Builder Fabrication |
| 1. Total Number of Aircraft Tasks | (Note 1) | (SUM#1) | | 131 | |
| 2. Total Points for Each Category. | (Note 2) | 46.9 | | | |
| 3. Total Points for Complete Aircraft Construction (SUM # 2 should equal SUM # 1 above). | (Note3) | (SUM #2) ► | | 131.0 | |
| 4. Percentage of Each Category as Part of Total Aircraf (Note 4) | ft Construction. | 35.80% | | | |
| 5. Total Percentages for Complete Aircraft Construction (Add all percentages in row 4) Total should equal 100% (± . 5%). (Note 5) | | | | | |
| 6. Total Builder Points – Add points in row 2, column C together. | and D only, (Note 6) | | | | |
| 7. Total Builder Percentage – Add percentages in row 4, D only, together. | columns C and (Note 7) | | | | |

NOTES: Instructions For Completing Fabrication and Assembly Checklist Summary

- **1. TOTAL NUMBER OF AIRCRAFT TASKS** (Sum #1): To find the total points awarded for all tasks, add together the six individual "Total # of Tasks" blocks located at the bottom left of each aircraft tasks section.
- 2: TOTAL POINTS FOR EACH CATEGORY: [Columns A, B, C and D]. Each columns' total points are tallied by adding the sum of the points awarded in each respective column for each of the tasks in the section (Fuselage, Wings, Empennage, Landing Gear, Propulsion and Cockpit). Include points assigned to 'Additional Items' at the end of each section. Boxes with a N/A (not applicable) or an asterisk, have zero points.
- 3: TOTAL POINTS FOR COMPLETE AIRCRAFT CONSTRUCTION: (SUM#2) In row 3 of the Summary section, add together the numbers in each block on row2, tallied from each of the four column category totals, (Columns A+B+C+D). Compare SUM #1 to SUM #2. SUM #1 should be equal to SUM #2, (Verify the two sums are equal within a deviation of \pm 0.5). Total points will vary from aircraft to aircraft depending on number of add items and N/As (Not Applicable) applied. (e.g., 133 listed task points, plus 5 Add items, minus 22 N/As = 116 tasks)

- **4: PERCENTAGE OF EACH CATEGORY AS PART OF TOTAL AIRCRAFT CONSTRUCTION:** To compute category percentages, divide the number in each individual block found on row 2 by Sum #2 on row 3. For example if the total points of Mfr Kit/Part/Component category (Column A) = 40 and Sum #2 = 120, then divide 40 by 120 to reach 33.3%. Do this for each invidual block on row 4 for each column. Percentages may be rounded to the nearest tenth, (22.86% is rounded to 22.9%).
- **5: TOTAL PERCENTAGES FOR COMPLETE AIRCRAFT CONSTRUCTION:** Add up the percentages of each of the four categories (Columns A+B+C+D) found on row 4. Total must be equal to 100% with a (±) deviation limited to ½ % (0.5%). Example; a derived percentage between 99.5% and 100.5% is acceptable. If this computation falls outside the accepted deviation then an error has occurred in row 2, 3 or 4.
- **6: TOTAL BUILDER POINTS:** Add together the two point tallies from row 2, Columns C and D blocks only. Total will vary from aircraft to aircraft depending on number of N/As applied.
- 7. **TOTAL BUILDER PERCENTAGE**: Add together the two percentage tallies from row 4 Columns C and D blocks only. Total must exceed 50% to be eligible for amateur built status and to meet major portion requirement under 14 CFR, Part 21.191(g) Operating amateur-built aircraft.

EXPLANATIONS AND EXAMPLES

- ▶ All Points are added at the end of the form in the Summary section under their respective categories. The point total is comprised of all the credits awarded for primary delineated tasks plus any credits given for 'Additional
- ▶ "Additional Items" may be assigned points the same as primary listed tasks if work or parts not reflected in the main entries need to be credited.
- ▶ The applicants completion of tasks can be documented in a number of ways and may include
- (1) Builder's logs.
- (2) Photographs/video/DVD.
- (3) Drawings.
- (4) Engineering data when necessary.
- (5) Relevant documentation (e.g., plans) and references (e.g., handbooks) used.
- (6) Documentation concerning any commercial assist
- (7) Documentation concerning any non-commercial assistance used.
- (8) Part inventories and histories.
- (9) Receipts, Catalogs.
- (10) Log book entries

In addition to using this checklist, the builder should document the entire fabrication and assembly process. To issue an airworthiness certificate the FAA must make a major portion determination (the major portion of an aircraft was fabricated and assembled by an amateur builder (s)). Making this finding requires sufficient, credible and adequate documentation.