M12GA04
TYPICAL BUILDING STAND
FORE UPRIGHT
AUG. 17, 2005

3/4 PLY

UPRIGHT

6
LETTER DIMENSIONS - REFER TO CLASS RULES

STEM

JIB EYEBOLT FITTING
5/16 PLY MAHOG
BLOCKING UNDERNEATH

3/4 X 3/16 PINE KINGPLANK

EPOXY GLUE ALL PARTS

M12GA05
TYPICAL DECK STRUCTURE
AUG. 17, 2005
RUDDER TUBE 3/16 BRASS TUBE LENGTH 4” TYPICAL
SHORT LENGTH OF BRASS TUBING FOR THRUST BEARING/SEAL
SILVER SOLDER BRASS TANGS

5/32” BRASS COLLAR SOLDER TO BRASS ARM

RUDDER TUBE 3/16 BRASS TUBE LENGTH 4” TYPICAL
SHORT LENGTH OF BRASS TUBING FOR THRUST BEARING/SEAL
SILVER SOLDER BRASS TANGS

EPOXY 1/16” PLY BETWEEN 2 PCS 1/8” PLY

PROVIDE FOR ACCESS TO RUDDER ARM FOR ADJUSTMENT/REMOVAL WITH EG. SMALL ACCESS HATCH
STIFF PUSHROD CONNECTS SERVO ARM TO RUDDER ARM

1/16” PIN

BEND DOWN & TWIST AS REQUIRED

SOCKET HEAD CAP SCREW

ARROW BALL & SOCKET (HEAVY)

TYPICAL SERVO ARM

TYPICAL RUDDER ARM

RUDDER SHAFT 5/32 SOLID BRASS ROD (OR 5/32 BRASS TUBE OVER 1/8 BRASS TUBE) LENGTH 12” TYPICAL

EPOXY 1/16” PLY BETWEEN 2 PCS 1/8” PLY

REMOVEABLE PLATE

M12GA06
RUDDER ASSEMBLY
March 1, 2008
SAILS - YOU MAY USE OFF-THE-SHELF SOLING SAILS (VICTOR PRODUCTS) PROVIDED THEY CONFORM TO THE MINI 12 SAIL CONTROL DIMENSIONS.
SAILWINCH SERVO

ARM

RUDDER SERVO

SWITCH

M12GA08
TYPICAL RADIO TRAY
AUG. 17, 2005

3/4 X 3/16 PINE
BOLTS WITH EPOXIED T-NUTS

UNDERSIDE OF DECK BEAM TO TOP OF RADIO DECK APPROX. 2-3/4" AT AFT END

TYP. 2 3/4
SAME RADIUS ALL BEAMS

DECKBEAMS 3/8 X 1/8 PINE, BASSWOOD, OR PLY

(MULTIPLE CUTTING PATTERN)
CASTING LEAD BALLAST IS NOT RECOMMEND FOR HEALTH AND SAFETY REASONS AND MAKES BALANCING THE BOAT DIFFICULT. AN INITIAL BATCH OF ABOUT 7 LBS. OF LEAD SHOT MIXED WITH EPOXY CAN BE POURED INTO THE HULL AND ADJUSTED FOR LEVEL OR SLIGHTLY BOW DOWN BALANCE. WHEN BOAT IS FULLY RIGGED A FINAL AMOUNT MAY BE ADDED TO BRING BOAT UP TO MINIMUM 16 LBS. WATER BATH FOR BALANCING AND FOR COOLING WHILE EPOXY CURES.