

National Boatbuilding Challenge

MATERIALS LIST

Team Bucket List (This list goes into each bucket)

FASTNERS

Where used	Use this fastner	Quantity
Inwales	1" stainless ring shank nails	50 pcs
Gunwales (outwales)	1 1/4" stainless ring shank nails	50 pcs
Chine logs	1" stainless ring shank nails	50 pcs
Breast Plate	1 1/4" stainless ring shank nails	8 pcs
Seat Blocks	3/4" stainless ring shank nails	24 pcs
Bottom Pltwood to chines	1 1/4" stainless ring shank nails	30 pcs
Keel	1" stainless ring shank nails	25 pcs
Bottom Butt Block	3/4" stainless ring shank nails	25 pcs
Seats	#8 1 1/2" stainless flathead square screws	8 pcs
Side Butt Blocks	#6 3/4" stainless flathead phillips screws	32 pcs
Stem	#8 1 1/2" stainless flathead square screws	8 pcs
Transom	#8 1 1/2" stainless flathead square screws	8 pcs
Skeg	#8 2 1/2" stainless flathead square screws	4 pcs
Knees	#8 2 1/2" stainless flathead square screws	8 pcs
Temporary mold fasteners	2" drywall screws	6 pcs



Miscellaneous

Sikaflex Caulk	2 tubes
Closed oarlocks, side	1 Pr
Oar lock screws	8 pcs.
Boat # Decals	2 pcs.
Whistle	1 pc
Wristbands for Awards Ceremony	2 pc
Tee Shirt Coupons	2 pc
This list	1 pc

Summary of All Fastners

Fastener	Pieces needed	Quantity needed: one boat	For 20 boats
3/4" stainless ring shank nails	60pcs (About 350/pound)	1/6 pound	4 lbs
1" stainless ring shank nails	234 pcs (About 250/pound)	1 pound	20 lbs
1 1/4" stainless ring shank nails	84 pcs (About 220/pound)	1/3 pound	7 lbs
#6 3/4" stainless flathead phillips screws	36 pcs (About 250/lb)	36 pcs	800 pcs or 4 lbs
#8 1 1/2" stainless flathead square screws	20 pcs (About 150/lb)	20 pcs	450 pcs or 3 lbs
#8 2 1/2" stainless flathead square screws	20 pcs (About 90/lb)	20 pcs	450 pcs or 5 lbs
2" drywall screws	6 pcs (About 150/lb)	6 pcs	1 lbs
Boat whistles	1 pcs	1 pcs	20 pcs
5 Gallon Buckets	1 pcs	1 pcs	20 pcs

Wood List, per boat

Material	Quantity	Use
4x8x3/8" plywood	3	exterior skin, buttblocks and breastplate
1x12x14'	1	chines, inwales, gunwales
1 1/2"x20" x42" transom, glued in advance	1	transom
2x10 x12'	1	seats and knees
4x4x24"	1	stem
1x4x12'	1	keelson
2x6x5'	1	skeg