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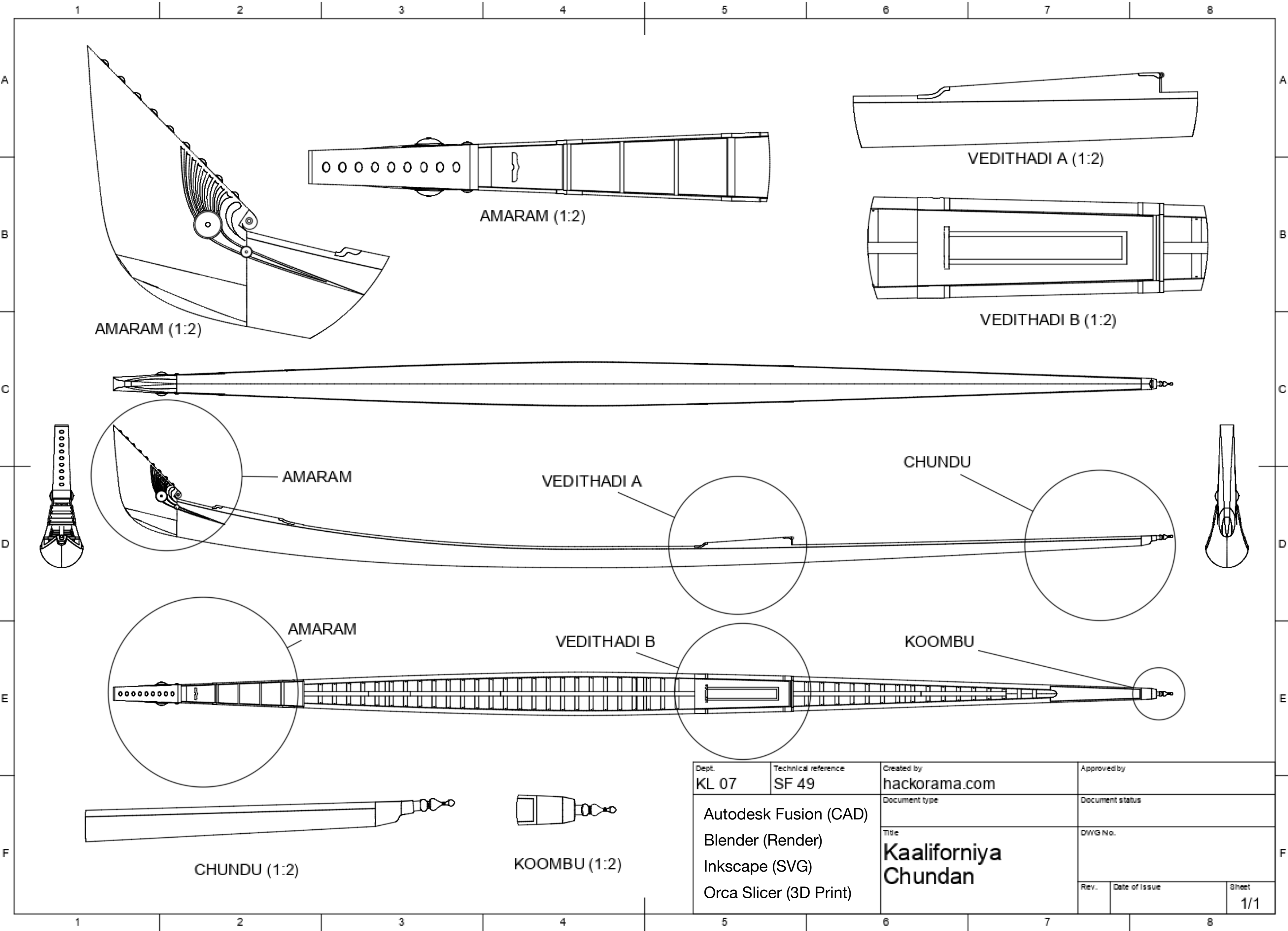
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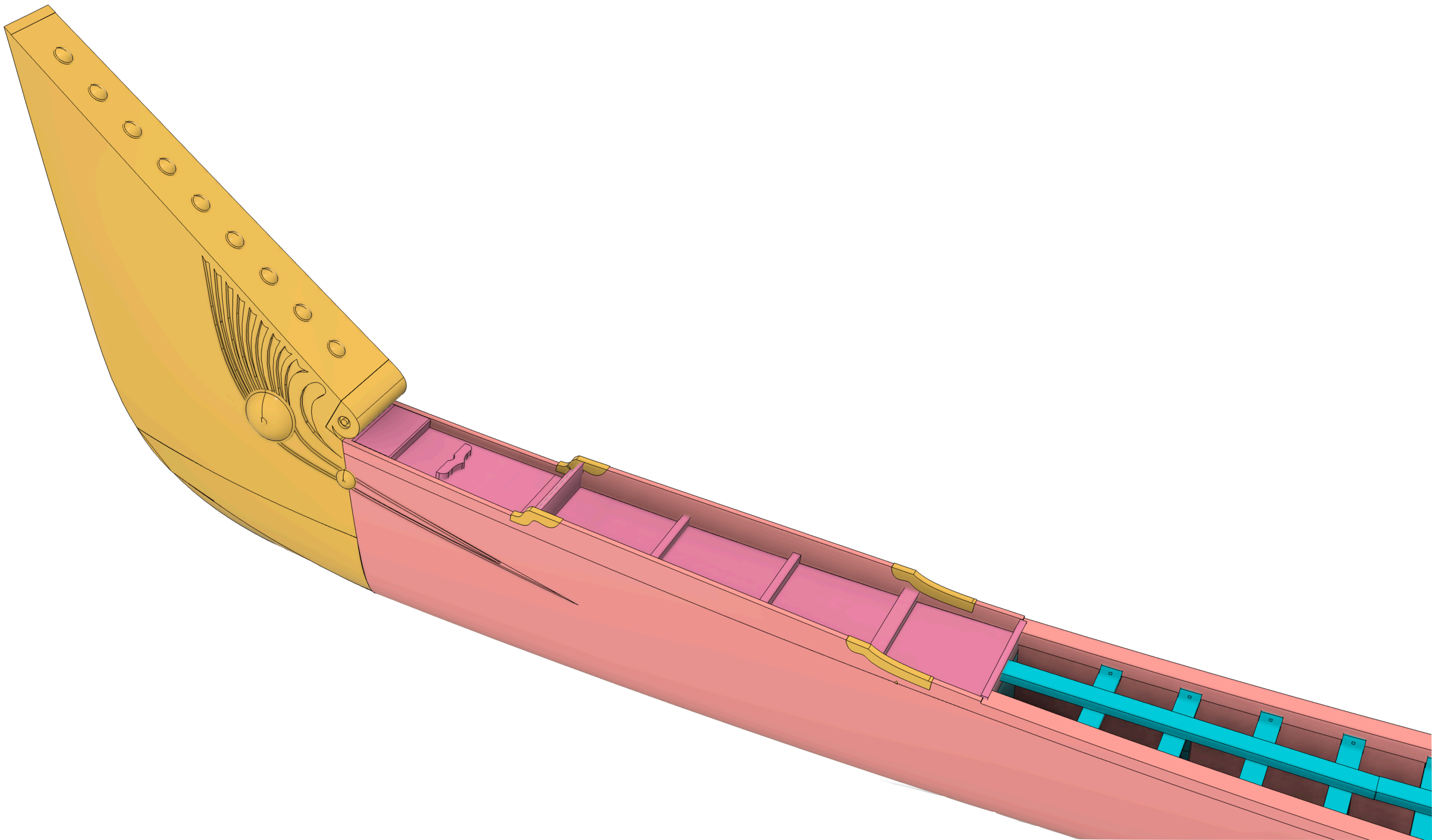


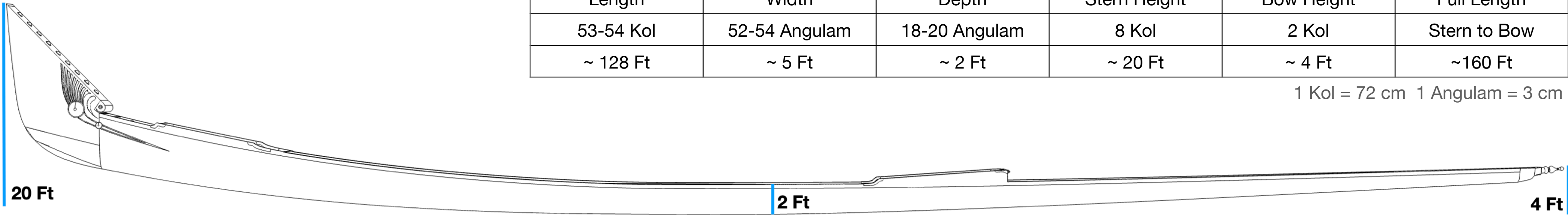
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Modern day racing Chundan Vallam design with lower stern and bow height, a thinner hull profile that is 'U' shaped compared to older 'V' profile. Dimensions follow traditional design and is within Nehru Trophy boat race guidelines. Ornamental designs follow the traditional “navagraha” and “churul” patterns updated for modern sensibility. Seats more than 90 main rowers and supports the full 111 team size.

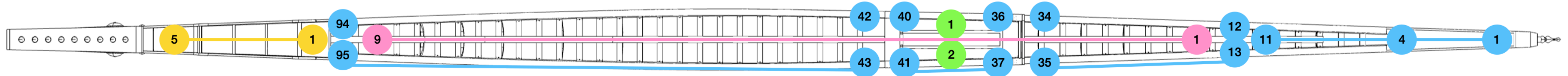
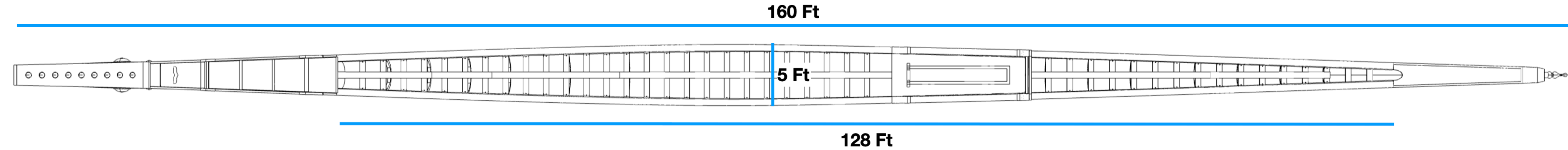




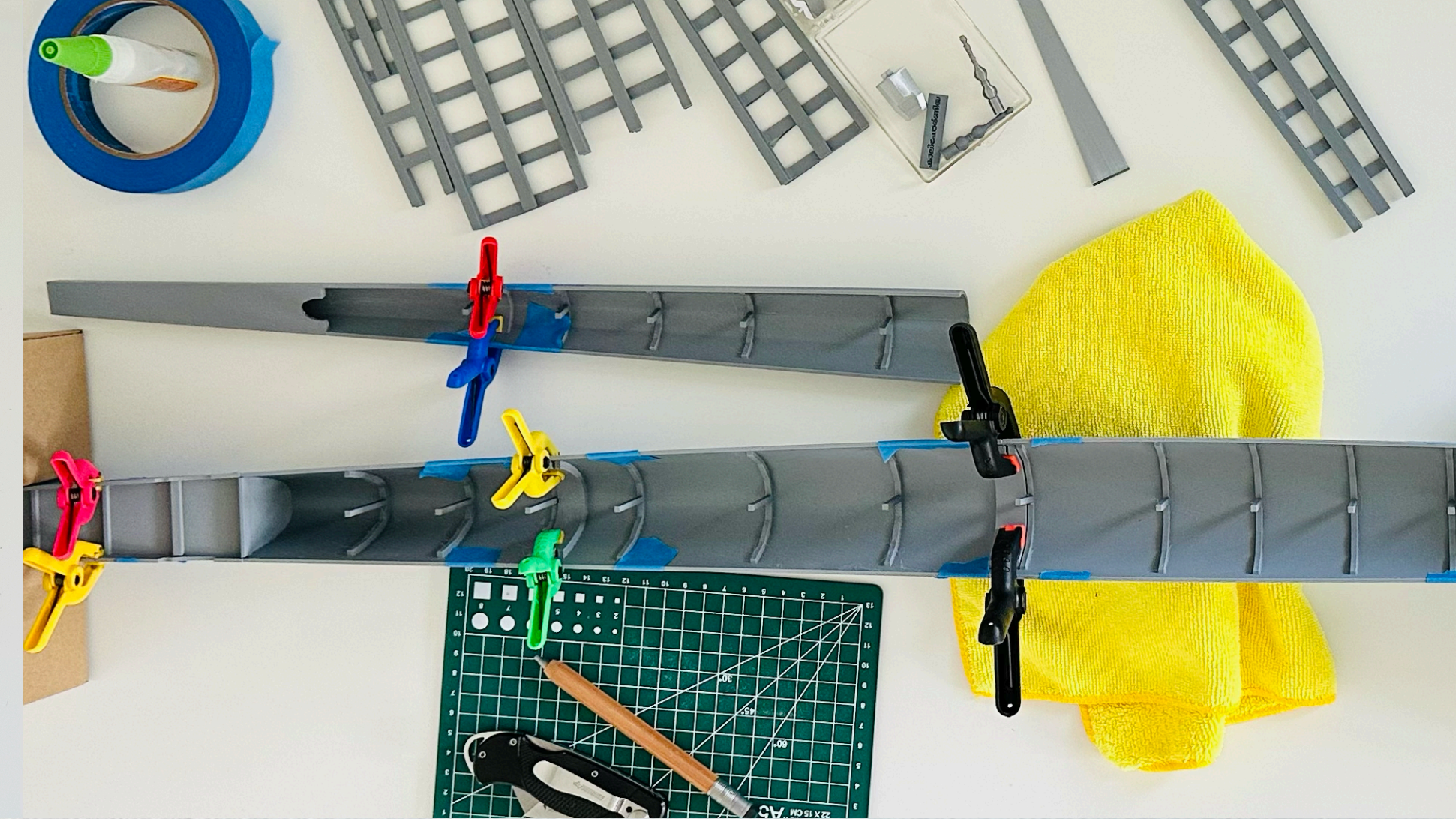
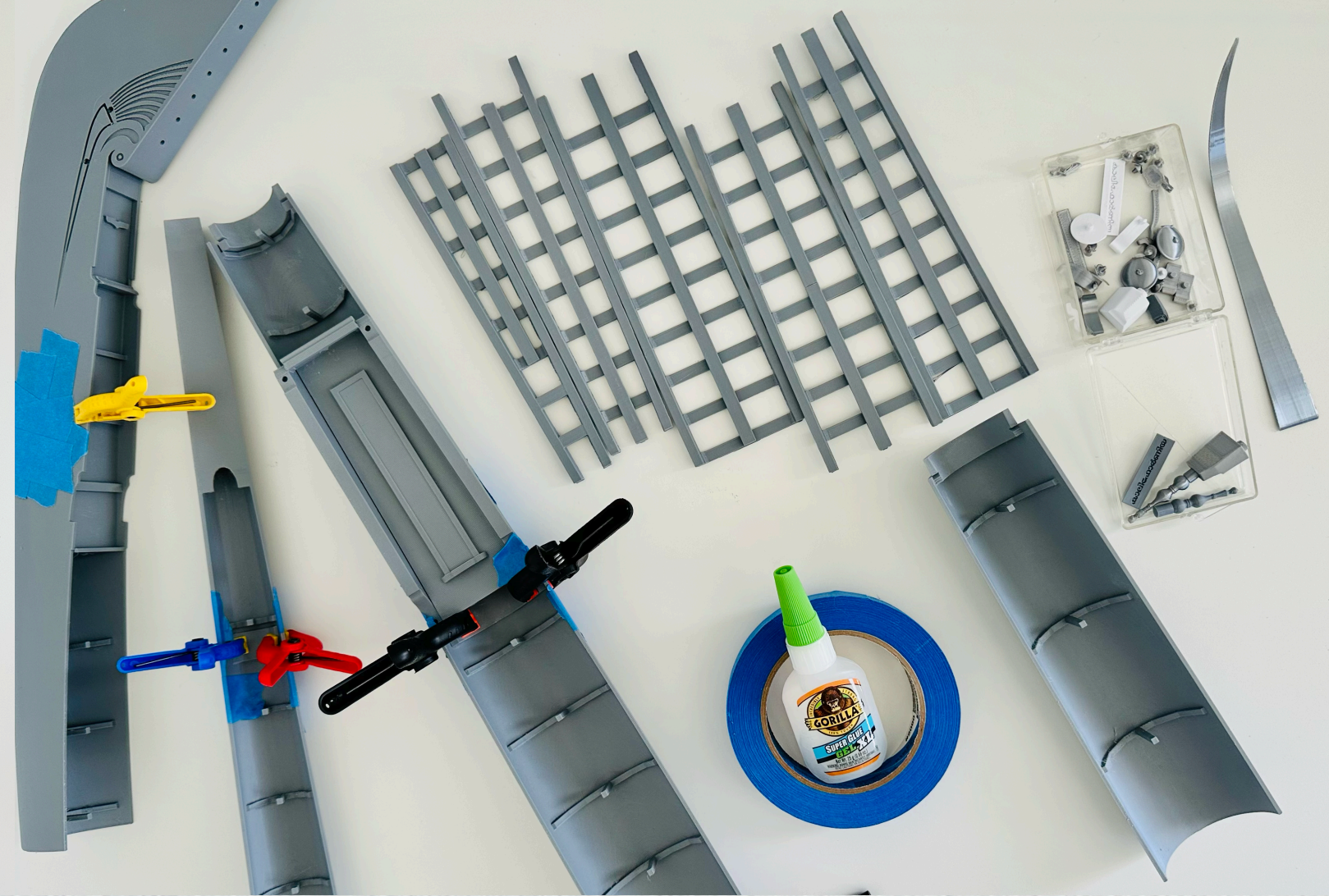
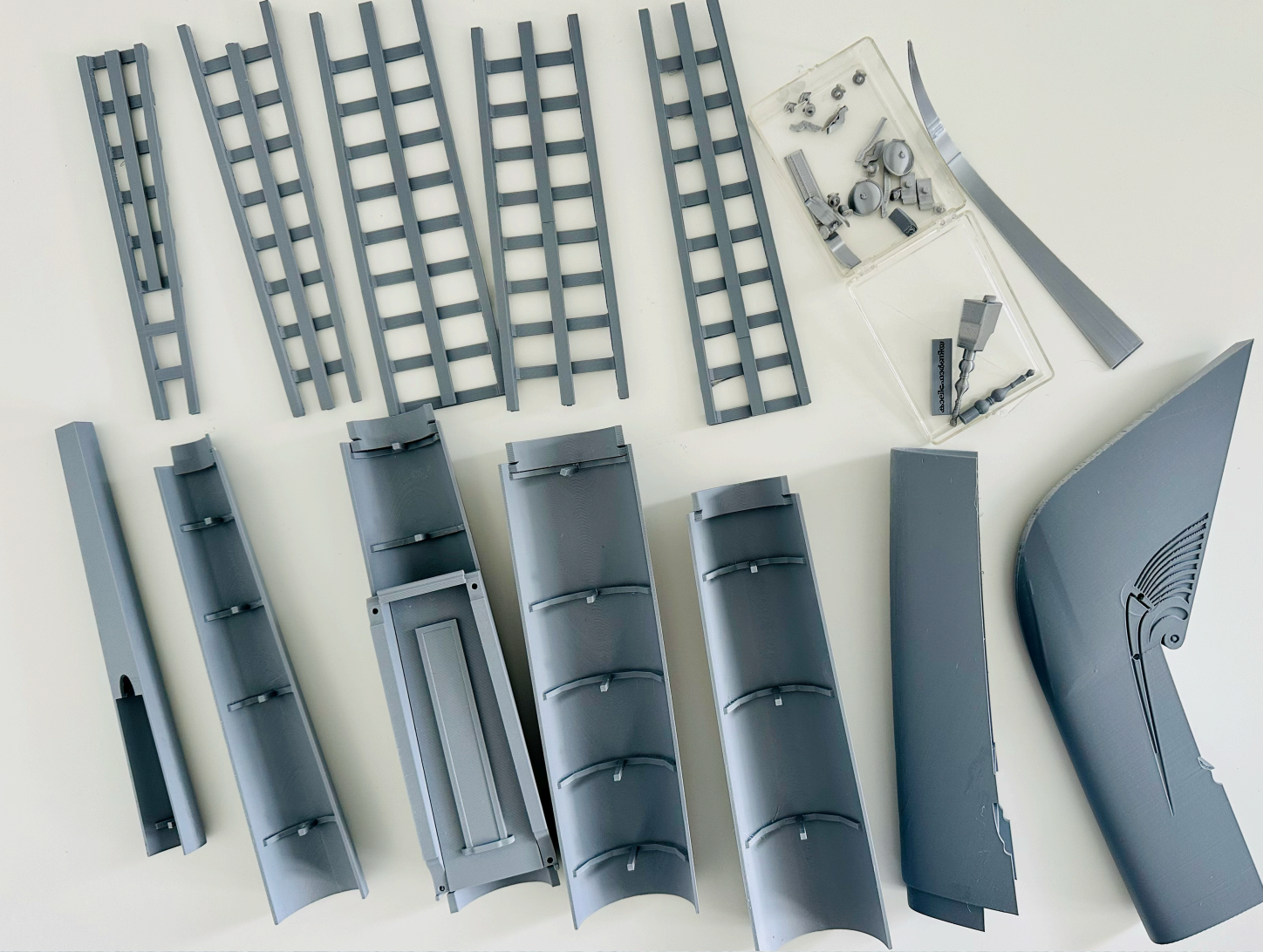


Length	Width	Depth	Stern Height	Bow Height	Full Length
53-54 Kol	52-54 Angulam	18-20 Angulam	8 Kol	2 Kol	Stern to Bow
~ 128 Ft	~ 5 Ft	~ 2 Ft	~ 20 Ft	~ 4 Ft	~160 Ft

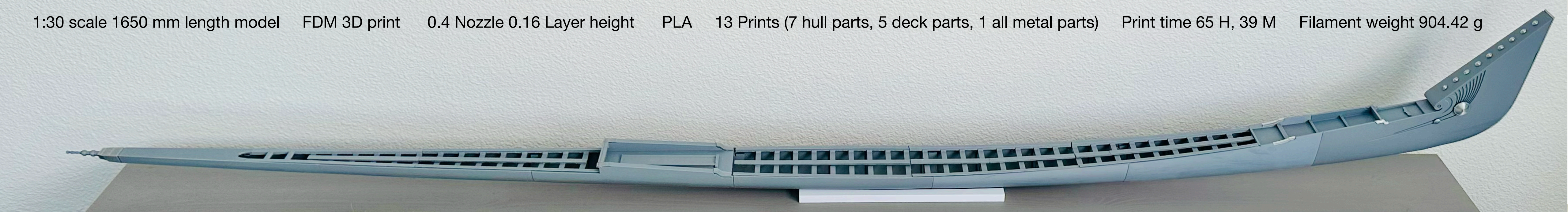
1 Kol = 72 cm 1 Angulam = 3 cm



UP TO 95 THUZHAKKAR (OARSMEN) 11 OTTATHUZA (SINGLE) + 84 PAIR 5 AMARAM (STEERING LONG OARSMEN) 2 IDI (PACING RHYTHM) UP TO 9 NILAKKAR (PACING SINGERS) UP TO 95 + 5 + 2 + 9 111 TEAM SIZE

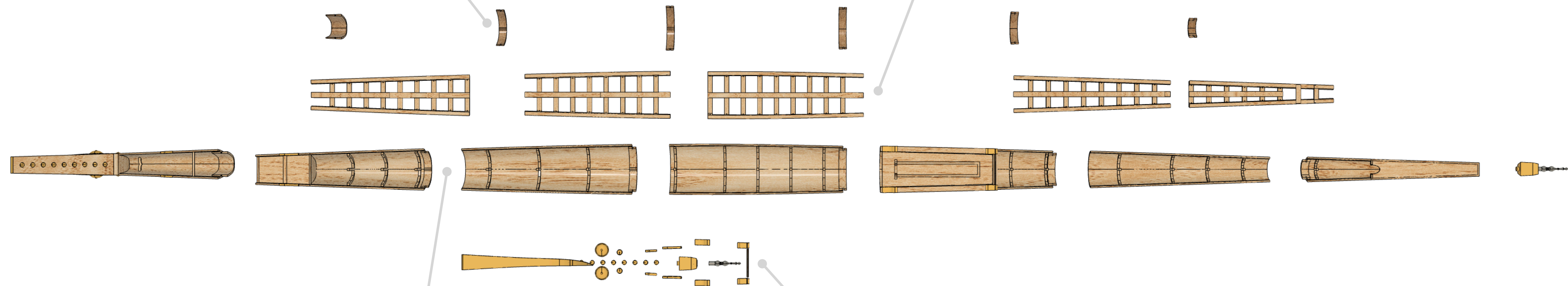


1:30 scale 1650 mm length model FDM 3D print 0.4 Nozzle 0.16 Layer height PLA 13 Prints (7 hull parts, 5 deck parts, 1 all metal parts) Print time 65 H, 39 M Filament weight 904.42 g



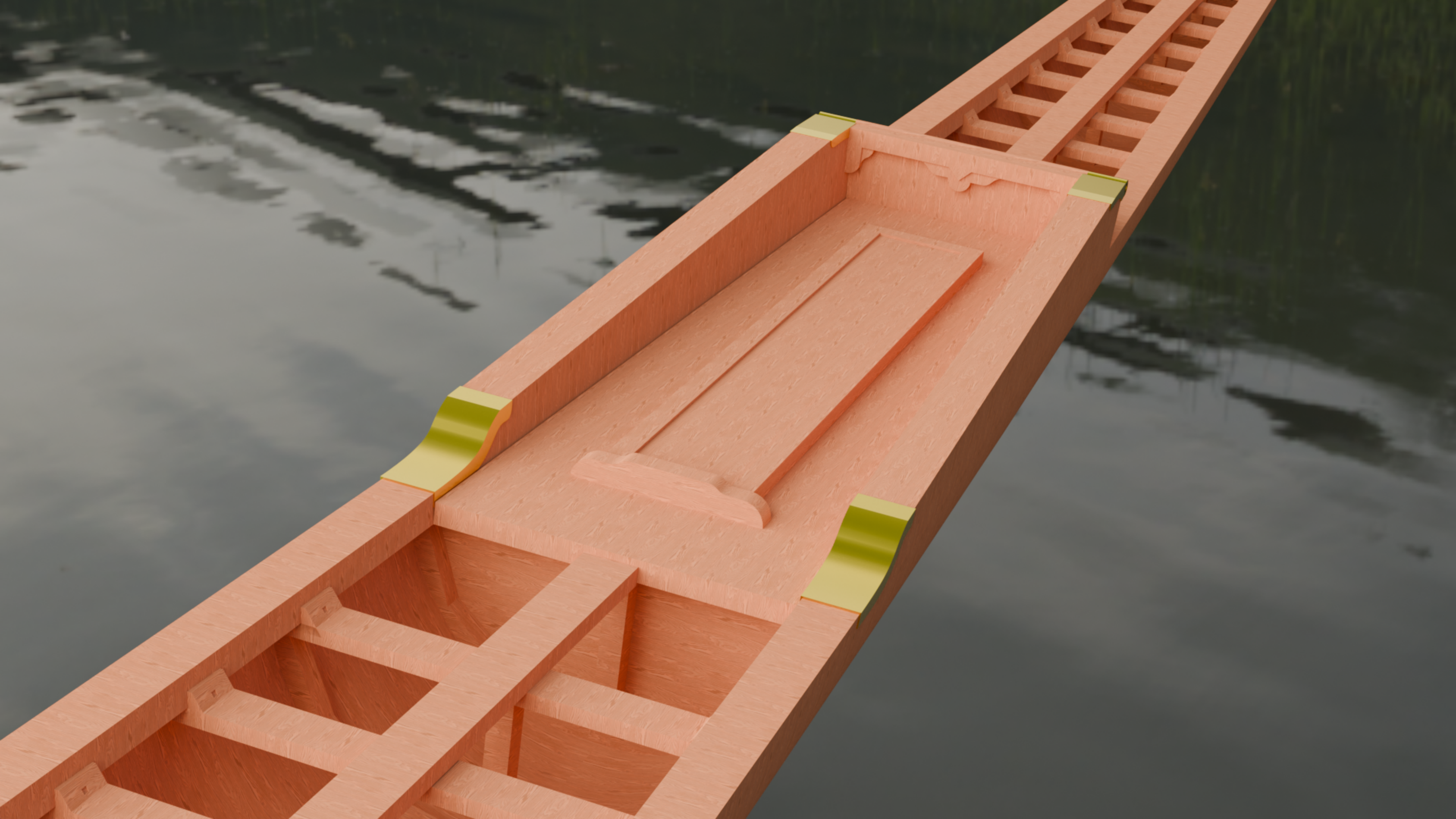
Optional join plates to securely attach hull sections

Print deck boards separately from the hull to avoid interior print support structure



Split scaled model to fit print volume of target printer

Metal braces and ornamental parts can be printed separately using metal/shiny/silk material



Chundan vallams are built with wild jack (*anjili*) wood planks of size 83 feet x 6 inch

Palliyodams with higher stern height and bow height are used for festive regatta like the Aranamula boat race.

Chundan vallams with lower height and thinner hull profile are used for racing competition like Nehru trophy boat race

Nilackaar uses songs and beating of a pole (*idi*) on central deck platform (*vedithada*) to provide pacing for the team like a coxswain in a rowing team

Legendary chundans in Nehru trophy race history

Karichal 16 wins with two hat-tricks (current 2024 winner)

Champakulam 8 wins with two hat-tricks

Kallooparamban 6 wins

Jawahar Thayankari 5 wins

Nadubhagam first winner in 1952 and won again after 67 years in 2019

Legendary boat clubs in Nehru trophy race history

UBC Kainakary 12 wins with 2 hat-tricks

Pallathuruthy 6 wins, 1 hat-trick, 5 back to back wins (current 2024 winner)

Acharis the master craftsmen

The original *chundan vallam* was designed by **Kodupunna Venkida Narayanan Achari** in **1614**

Most of the modern racing *chundans* are designed and built by **Kozhimukku Narayanan Achari** and his family members

Uma Maheswaran Achari, Sabu Narayanan Achari, Suresh Maheshwaran



Nehru Trophy
nehrutrophy.nic.in

