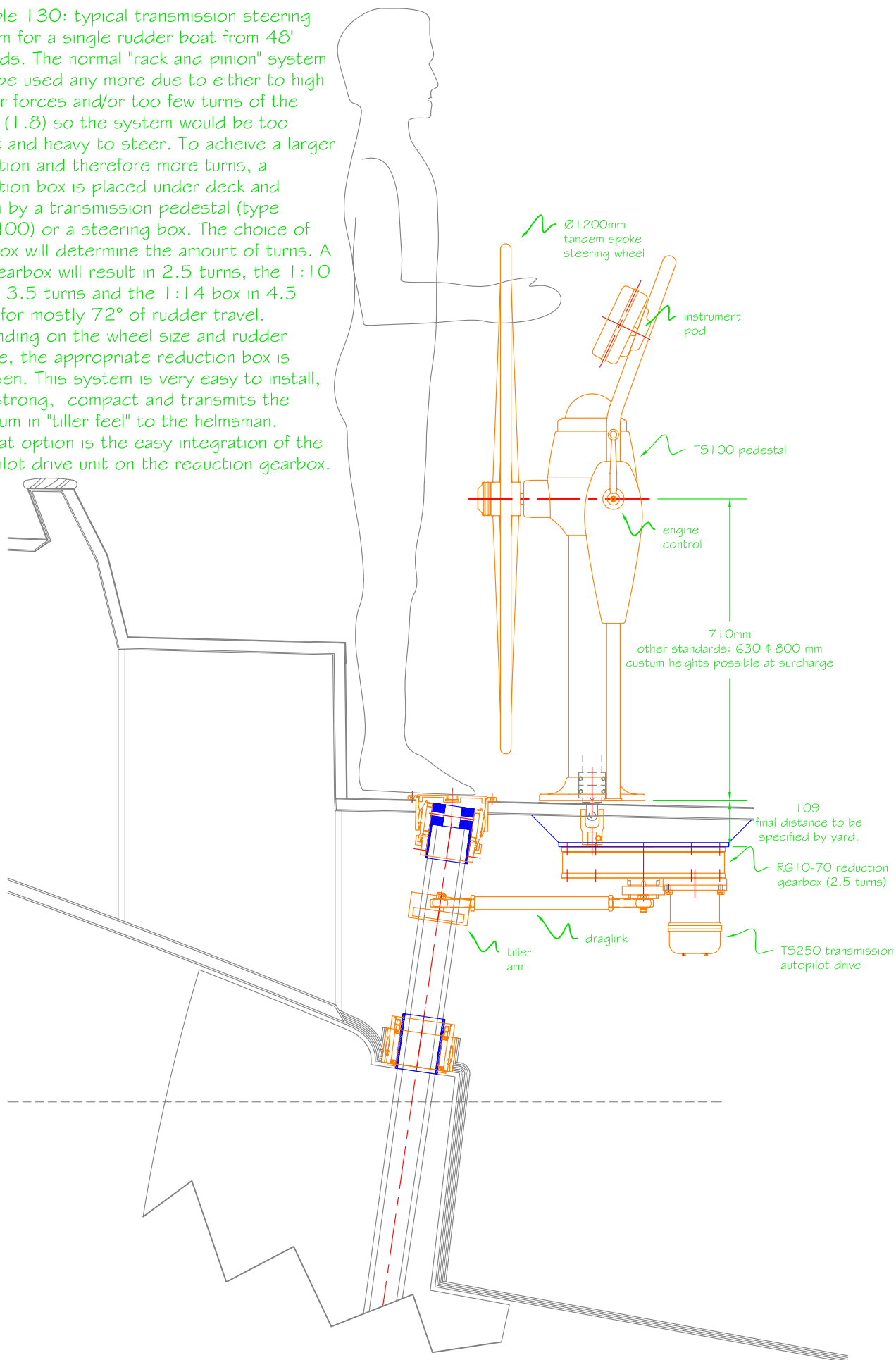


example 130: typical transmission steering system for a single rudder boat from 48' upwards. The normal "rack and pinion" system can't be used any more due to either to high rudder forces and/or too few turns of the wheel (1.8) so the system would be too direct and heavy to steer. To achieve a larger reduction and therefore more turns, a reduction box is placed under deck and driven by a transmission pedestal (type 100-400) or a steering box. The choice of gearbox will determine the amount of turns. A 1:7 gearbox will result in 2.5 turns, the 1:10 box in 3.5 turns and the 1:14 box in 4.5 turns for mostly 72° of rudder travel. Depending on the wheel size and rudder torque, the appropriate reduction box is chosen. This system is very easy to install, very strong, compact and transmits the maximum in "tiller feel" to the helmsman. A great option is the easy integration of the autopilot drive unit on the reduction gearbox.



Modify date	Project: Example 130, transmission aft cockpit system		
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