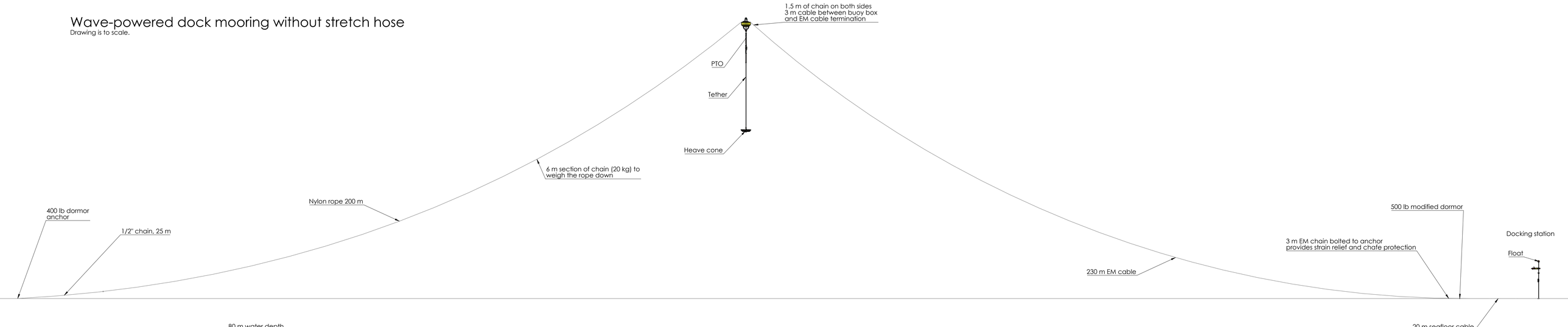
Wave-powered dock mooring without stretch hose

Drawing is to scale.