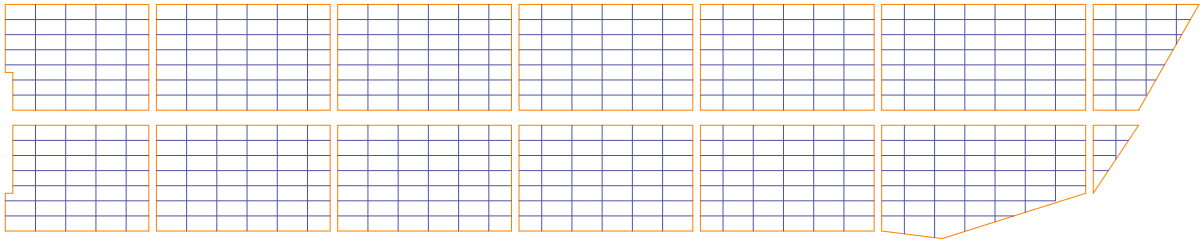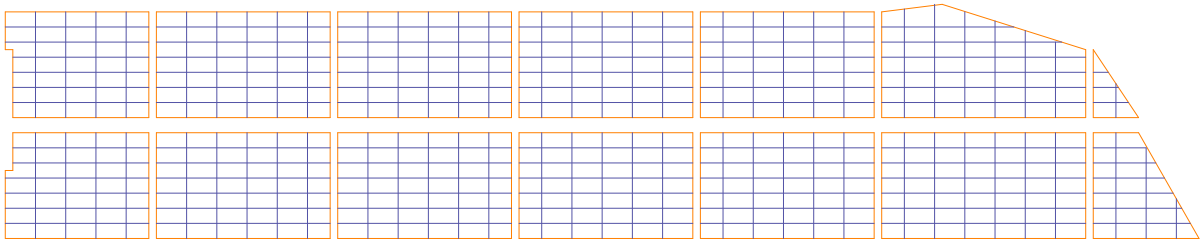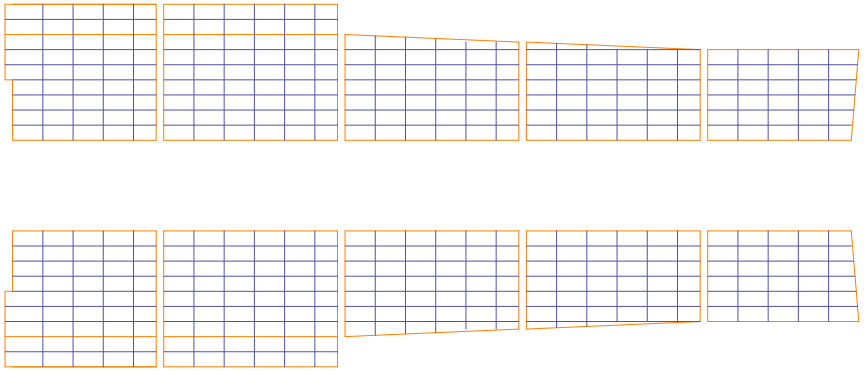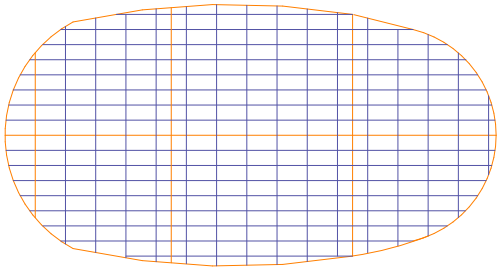SECONDARY HULL