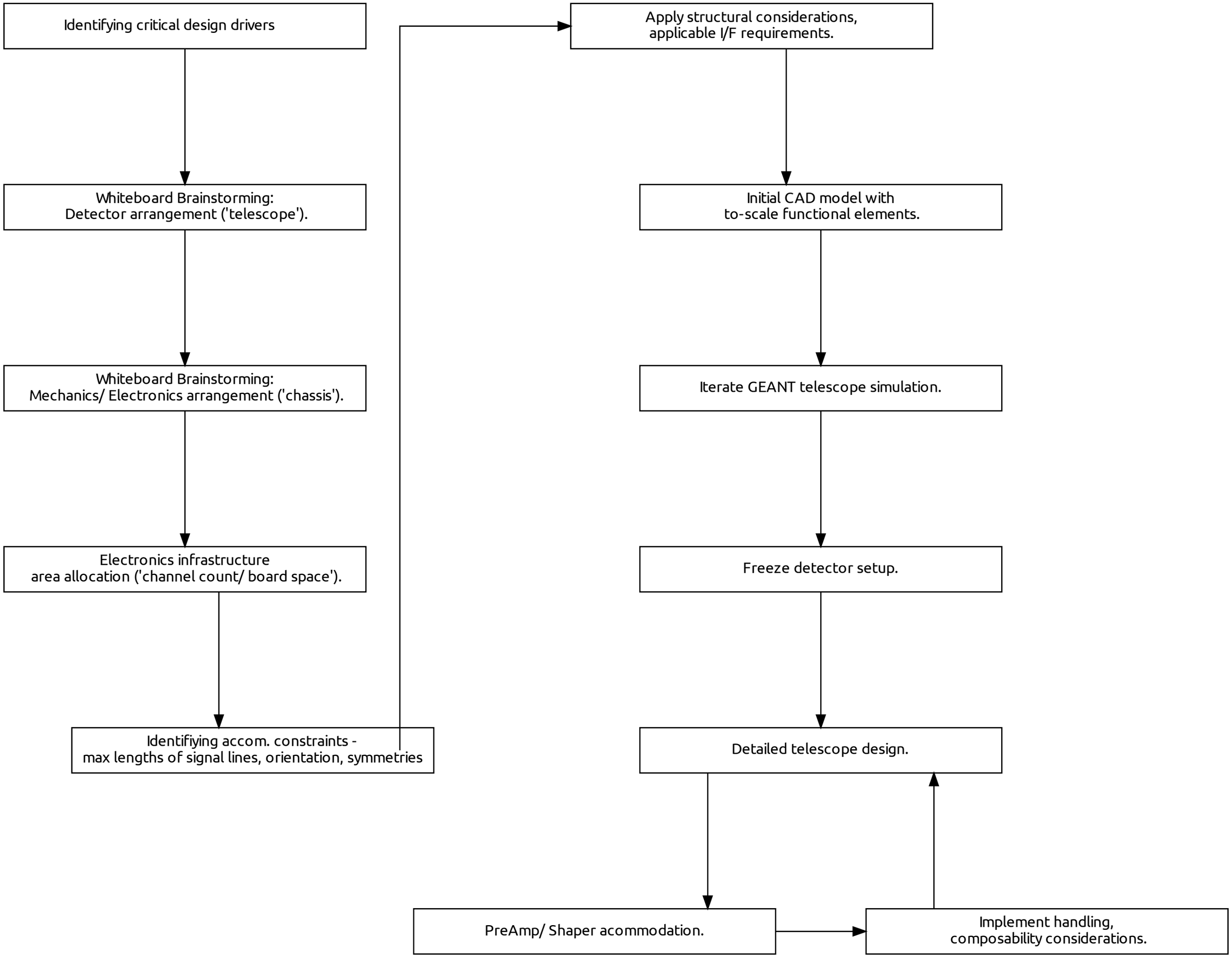
Identifying critical design drivers
Whiteboard Brainstorming:
Detector arrangement ('telescope').
Whiteboard Brainstorming:
Mechanics/ Electronics arrangement ('chassis').
Electronics infrastructure
area allocation ('channel count/ board space').
Identifiying accom. constraints -
max lengths of signal lines, orientation, symmetries
Apply structural considerations,
applicable I/F requirements.
Initial CAD model with
to-scale functional elements.
Iterate GEANT telescope simulation.
Freeze detector setup.
Detailed telescope design.
PreAmp/ Shaper acommodation.
Implement handling,
composability considerations.