

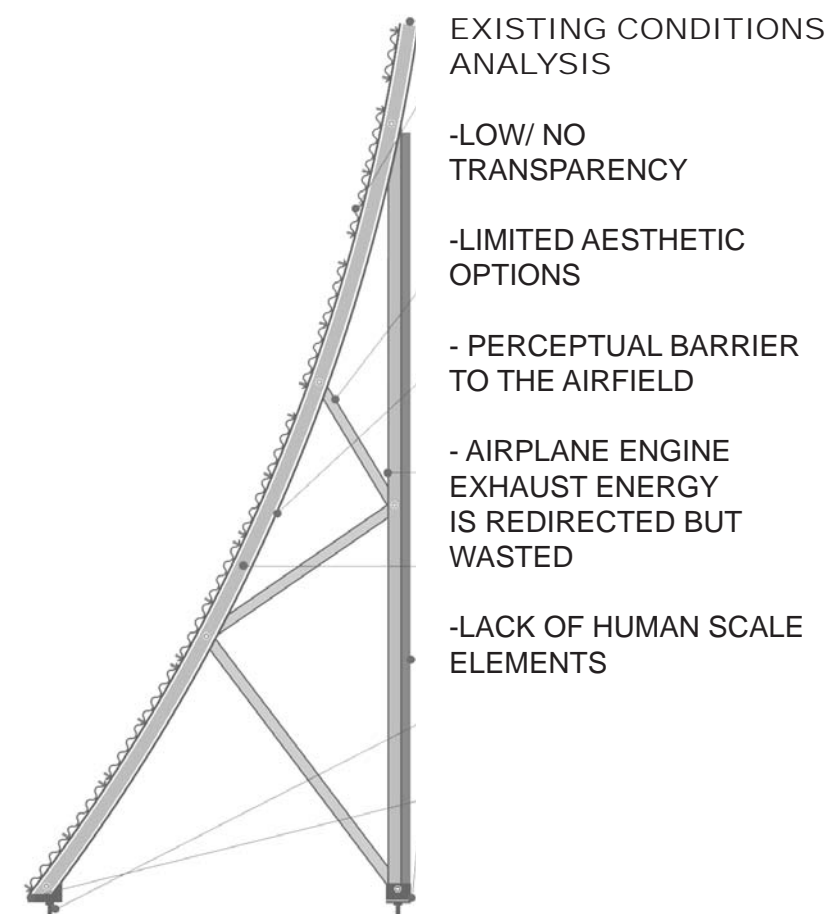
BREAKING DOWN BARRIERS

RE-IMAGINING THE AIRPORT BLAST WALL

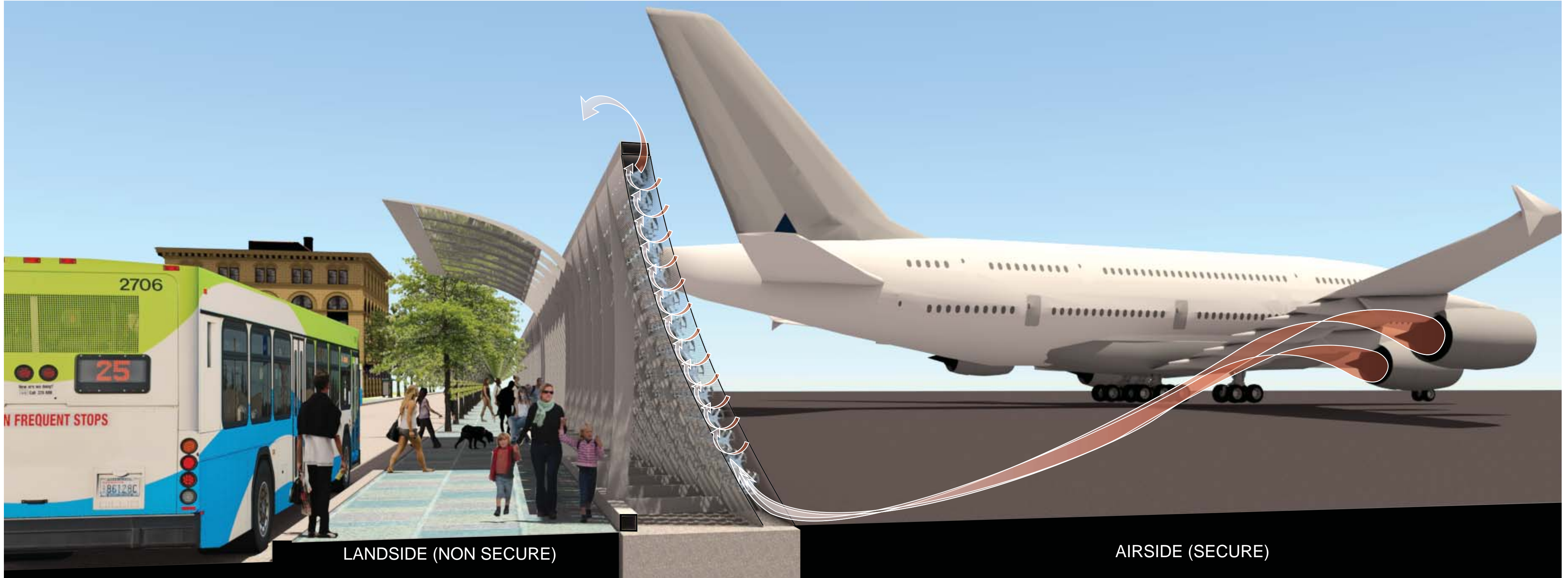
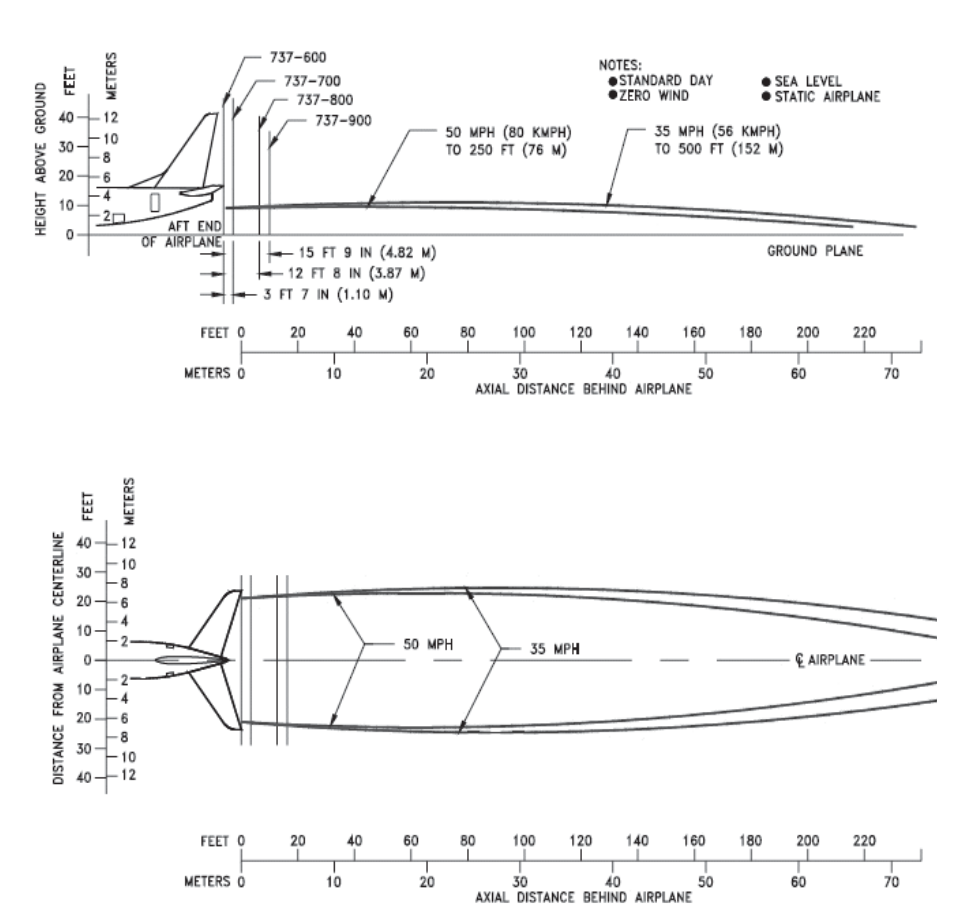
Populous / TT Team's design submission for the 2014 ACC Young Professionals Innovation Competition proposes to re-imagine the utilitarian airport blast wall by taking advantage of latent airfield energy from moving aircraft jet blast and challenges the conventional approach of visually impenetrable blast walls (see right, Boston-Logan Airport) to propose a bold, yet practicable design prototype representing sustainable airport operations and urban design excellence that literally "breaks down" the perceptual and physical barriers that have historically separated the airfield from the non-secure public realm.



EXAMPLE OF EXISTING PRECAST CONCRETE SYSTEM

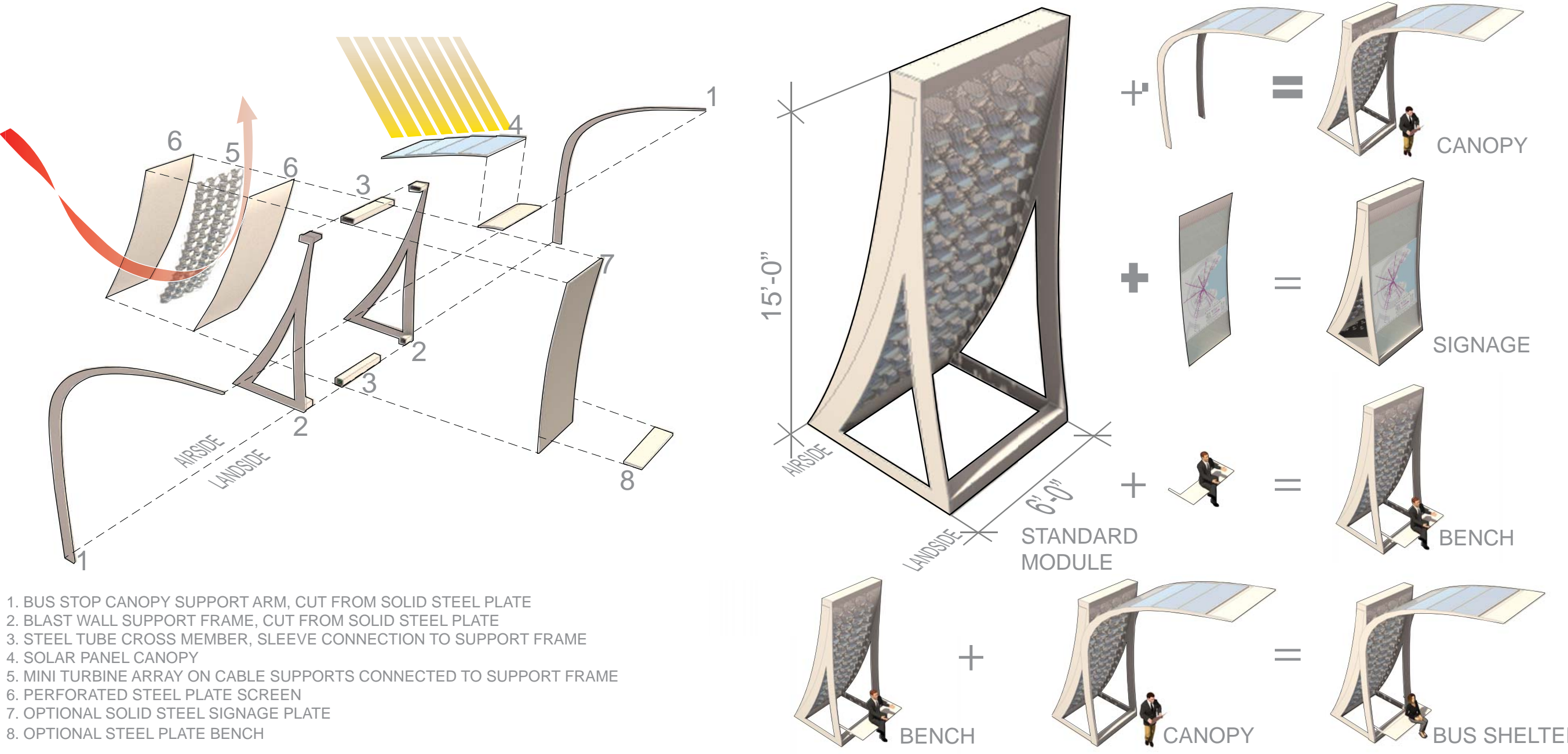


EXAMPLE OF EXISTING STEEL FRAME BLAST WALL SYSTEM



- AIRPORT BOUNDARY CONTRIBUTES TO THE URBAN EXPERIENCE
- CHANCE FOR BRINGING "PLANE SPOTTING" BACK
- THE AIRPORT HAS AN IMPROVED "FRONT DOOR" AND IS A BETTER NEIGHBOR IN URBAN SETTINGS

- MINI WIND-DRIVEN TURBINES GENERATE ELECTRICITY FROM AIRPLANE ENGINE EXHAUST, AS THE TURBINES SPIN THE TRANSPARENCY INTO THE AIRFIELD INCREASES
- PERFORATED SCREENS ALLOW VIEWS INTO THE AIRFIELD WHILE PROVIDING BLAST PROTECTION
- MODULES ALLOW FOR DIFFERENT USES OF THE BLAST WALL



EXPLODED AXONOMETRIC VIEW - TYPICAL MODULE

MODULE OPTIONS

