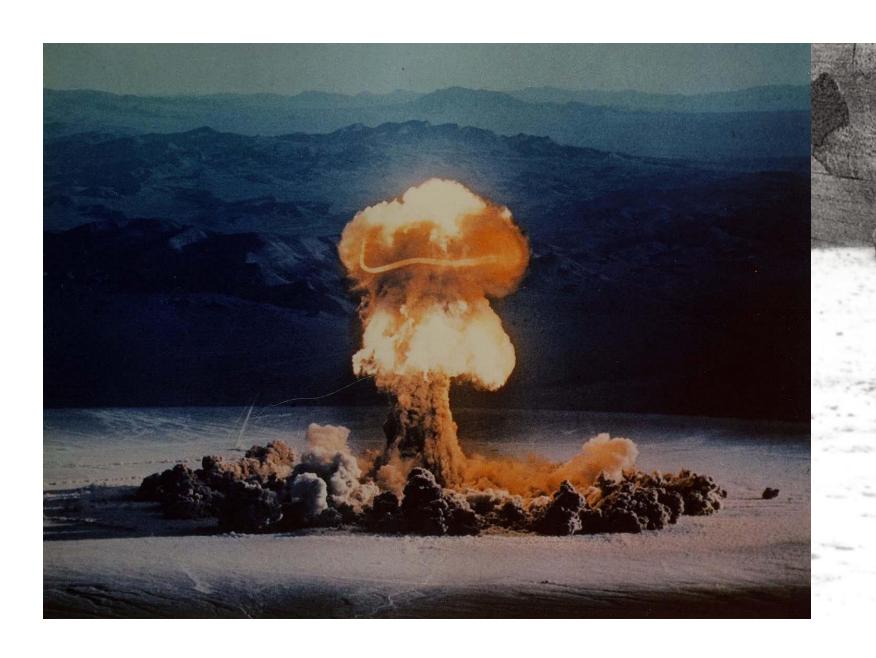


A transformation led to this level of power and war. On September 30, 1938 the League of Nations Assembly passed unanimously a resolution for the Protection of Civilian Populations against bombing from the Air in case of War. The following principles are recognized within the text: 1. The intentional bombing of civilian populations is illegal; 2. Objectives aimed at from the air must be legitimate military objectives and must be identifiable; 3. Any attack on legitimate military objectives must be carried out in such a way that civilian populations in the neighbourhood are not bombed through negligence.

The League of Nations after failing to prevent the Second World War ceased its activities. This war would leave those principles behind and introduce the concepts of terror bombing and the definitive change from precision to area bombing. Terror weapons like the V2 rocket and techniques of fire bombing entire cities, eliminated the line between soldier and non-combatant. The state as a machine for war further eroded the distinction between those classifications. At the end of World War II the concept of total war would be realized and the techniques for effective defense against weaponry would be destroyed. The nuclear age brought with it weapons of unprecedented power, such that the scale and force could not be grasped. On March 1, 1954 the United States tested its largest thermonuclear device on Bikini Atoll. "BRAVO" released more firepower in that single moment than all wars in all of history combined with a yield of 15 megatons. 15,000,000 tons of TNT. The fireball generated during that explosion was some 5 miles in diameter.

Enormous changes continued through the succeeding decades with the development of more powerful weapon systems and more effective means of delivery. The latest United States ICBM "Peacemaker" has the ability to hit multiple targets at 8000 miles from its take-off point. At its peak during the Cold war the world would see 68,585 nuclear warheads distributed around the globe. Deterrence through numbers assuring mutual destruction maintained a balance. Progress was also made through diplomacy to control the spread of these arms. During this time architecture would attempt to respond to the realities of the situation through construction.





The shelter is a throwback to a time when there was land to defend. After a history of defending frontiers through architecture the front line has disappeared. The Nazi's Atlantic wall was the last built for wartime.

"A long history was curled up here. These concrete blocks were in fact the final throwoffs of the history of frontiers, from the Roman limes to the Great Wall of China; the bunkers, as ultimate military surface architecture, had shipwrecked at lands' limits, at the precise moment of the sky's arrival in war" Bunker Archeology p.12

Even this massive construction fell to power from the air, to radar, to speed. The fortifications need a frontier to exist. The Berlin Wall separated ideologies. It was the demarcation of the frontier from east to west. This shelter, this place, this architecture wants there to be a frontier but it has been lost. The definition of defensible land is gone in total war. There is no defined military target because the world is the target. The extents are as large as the ideologies with no boundaries.

The shift took place but we did not prepare for it. This sad underground dwelling trying to block out everything above cannot hide from the changes surrounding it. The structure could no longer respond to the threat. It is impotent architecture that proposes a solution which does not address the symbolic nature of the bomb.

