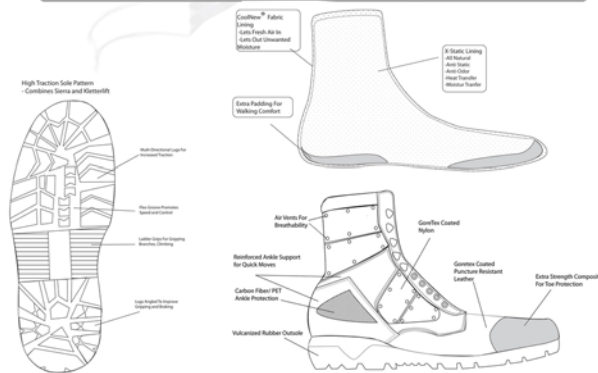


Anti-Microbial Tactical Boot

By Garry Atkinson, North Carolina State University

Final Design and Material Specifications



Soldiers face a number of foot-related injuries during wartime, including environmental injuries and diseases. These problems can lead to more risks including amputation, lifelong foot pain, and even death. To combat this problem, I have designed a boot that protects the foot from these environmental injuries through the use of protective materials. My literature review led me to utilize nanosilver fibers in the boot's construction, for antimicrobial properties in the case of possible foot infection.