



US Army Corps  
of Engineers®

# Modular Protective System Guard Tower



**Building Strong®**

*DISCOVER | DEVELOP | DELIVER*

## Features

- **Constructed in 1 hour with a 5-person team**
- **Constructed in an elevated or ground-level position**
- **No specific MOS required**
- **No equipment or special tools needed**
- **Easily disassembled and reused**
- **Protection provided from small arms, indirect fire, and blast threats**
- **Protection level tailorable using layered armor panels**
- **Adaptable weapon mounts included**
- **Helicopter sling load capable**



## Product Description

The Modular Protective System (MPS) Guard Tower can be configured as an elevated guard tower or ground-level fighting position. The tower provides protection from small arms, indirect fire, and blast threats, and the layered armor system allows the level of protection to be tailored. The MPS Guard Tower can be constructed or disassembled and repacked in 1 hour by a five-person team without special tools or equipment.



The U.S. Army Engineer Research and Development Center (ERDC) solves the nation's toughest engineering and environmental challenges. ERDC develops innovative solutions in civil and military engineering, geospatial sciences, water resources, and environmental sciences for the Army, DOD, civilian agencies, and our Nation's public good. Find out more on our website: [www.erdcd.usace.army.mil](http://www.erdcd.usace.army.mil). Approved for public release; distribution is unlimited. May 2019.



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## Performance

Protects against small arms, indirect fire, and blast threats  
Meets the requirements of ASCE 7-10 and the AISC Steel Construction Manual  
Adaptable to uneven terrain and slopes

## Kit Information

NSN	Visualization	Description	Weight
5445-01-675-1425		<b>Kit:</b> 19' x 16' x 14' (5' x 5' usable position elevated to 7') in one 96" x 82" x 57" Quadcon	7,755 lb
<b>Kit</b>			<b>ROM Cost</b>
MPS-GTA-2000			\$53,508

Component	Quantity	Unit Weight (lb)	Total Weight (lb)
Quadcon	1	1,800	1,800
Floor Assembly	7	≤ 203	958
Stabilizer Assembly	12	≤ 34	320
Column	4	79	316
Pintle Assembly	50	≤ 22	150
E-Glass Armor	17	≤ 110	1,265
Steel Armor	14	102	1,428
Corner Sleeve	7	28	196
Windowsill Assembly	8	≤ 113	410
Roof Assembly	9	≤ 137	493
Stair Assembly	7	≤ 80	256
Safety Rail	12	6	72
Miscellaneous Fasteners	99	≤ 7	76.5

## Technical POCs

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