

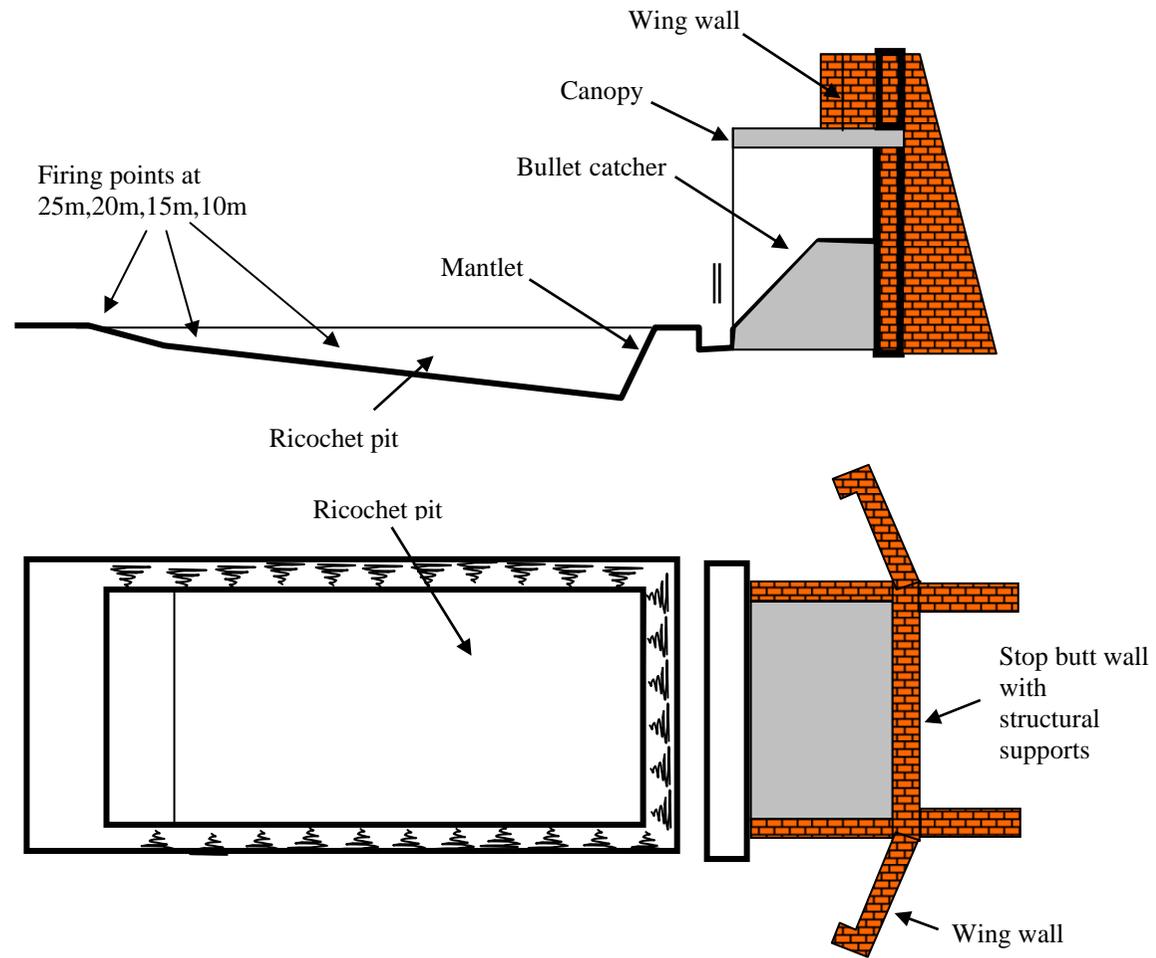
## **BARRACK RANGES**

### **1. GENERAL DESCRIPTION.**

There are three main types of standard barrack range, the older brick 1908 design incorporating a ricochet pit, the RAF equivalent with or without a ricochet pit and the newer concrete design with a flat range floor. There are also non standard 25m barrack ranges of varying design.

### **2. OLD STYLE 1908 DESIGN**





3. **RAF DESIGN**



Often with flat range floor, with or without wing walls and sometimes with a covered 25m firing point.

4. **NEW 25m DESIGN**



5. **NON STANDARD - EXAMPLE**



6. **WORKS INSPECTION CHECK LIST COVERING EACH TYPE.**

Ser	Element	Remarks / common defects	Inspectors Comments	X
1.	Ricochet pit	a. Free of unprotected hard surfaces.		
		b. Drainage / soakaway system effective and working		
		c. Steps sound and free from slip or trip hazards.		
		d. Stable surfaces free from erosion.		
		e. Grass well maintained.		
		f. Difficulty in maintain mantlet slope. Possible solution illustrated.		
				
g. Pathways well maintained.				
2.	Target Pit / mechanism	a. Pit construction sound.		
		b. Target mechanism working & properly maintained.		

		c. Drains working.		
3.	Canopy	a. Check for structural defects.		
		b. Front wall protection timber sound (New 25m range)		
		c. Steel plate fitted to underside of canopy secure. (1908 design). Fixings prone to erosion in coastal areas.		
4.	Bullet catcher (sand)	a. Check any new sand grading against specification.		
		b. Ensure back and front toe wall is not overloaded.		
5.	Bullet catcher granulated rubber	If there is no top cover sheet check that there is no flammable contamination such as paper or timber from targets or fabric in the granulate. The latter is specifically excluded in the specification for granulated rubber in bullet traps due to the fire risk.		
6.	Backwall above the sand	a. Check for structural defects.		
				
		b. Check for bullet attrition (see photo)		

		particularly just below the top of sand surface.		
				
7.	Stop butt wall and wing walls around the bullet catcher.	<p><b>ALL WORKS ON THIS ELEMENT WHERE BRICKS ARE USED – SOLID BRICK OR BLOCK ONLY.</b></p> <p>a. Check for structural defects / stability.</p> <p>b. Check to ensure there are no hollow bricks or blocks used on remedial or modification works.</p>		
8.	25m firing point	<p>a. Check any overhead cover for structural stability.</p> <p>b. Check firing point pits are sound and drainage is effective.</p>		
9.	Associated buildings	Normal works checks.		

10.	Safety signs and range flags.	a. Check for compliance to EU/UK legislation.		
		b. Ensure flag poles are secured adequately.		
11.	Generally.	a. Check any fencing and gates around the range.		
		b. Check all electrical and mechanical fittings.		
12.	Other elements not listed.	Describe:		
13.	General Comments by the works inspector.			

--	--	--	--	--

**Certification:**

**Range Name Location.....**

**Works inspection carried out on this range and MOD Form 906 completed**

**on:.....**

**Name of Inspector:.....**

**Contact Tel.....**

**Organisation:.....**

**Copy:**

**RAU for Range File**