



Range Facility Furniture



Standard ROCA Buildings



RANGE AND TRAINING LAND PROGRAM – MANDATORY CENTER OF EXPERTISE

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE

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Purpose

This section of the Range Design Guide includes the typical furniture packages and layouts for the standard range support buildings. The section also includes a table with programming level costs for the furniture to be included in the DD1391. The furniture is not part of the MILCON, rather it is OMA funded. Contact the RTLP-MCX for more detailed furniture descriptions and purchasing.

Layouts

The standard facilities in a Range Operations and Control Area (ROCA) that typically include furniture include the Control Tower, Operations and Storage Building and the Classroom/After Action Review Building.

The layouts for all standard types of these facilities are included at the end of this section. Coordinate any changes with the RTLP-MCX, installation, and targetry system provider.

Furniture Packages

Table 1 provides the typical furniture packages per ROCA building.

Costs

Table 2 provides a programming estimate of the furniture cost per standard building and per standard range. Costs are based on providing furniture in FY17. Costs include shipping and installation.



Item Code	Description	Control Tower - Small Arms Ranges (17971)		Control Tower - Non-Instrumented Ranges (17971)		Control Tower - Instrumented Ranges (17971)		Operations Storage Building, Large 1800 sqft. (17122)		Operations Storage Building, Standard 800 sqft. (17122)		Classroom Building 800 sqft. (17123)		Small After Action Review Building 1064 sqft. (17123)		Shoothouse Small After Action Review Building 1064 sqft. (17123)		Instrumented Range After Action Review Building 3024 sqft. (17123)		CACTF ROC/AAR 4176 sqft. (17123)		Large After Action Review Building 1776 sqft. (17123)	
CH1	Ergonomic Task Chair	3	8	10	2	2						1	1	6	13	4							
CH2	Desk Side Chair				2	2								8	7	4							
CH3	Folding Metal Chair									33	32	32											80
CH4	Instructor Stool									1	1	2	2	2	2	2							2
CH5	Industrial Task Stool				4	2																	
CMSS1	Commercial Metal Storage Shelves (36"W x 18"D x 75"H)														2	3							
D1	L-Shaped Computer Desk (72"W x 83"D x 30-1/2"H)													1	5	4							
D2	Modular L-Shaped Desk with Storage (72"W x 83"D x 29"H)				2	2																	4
D3	Computer Desk (72"W x 36"D x 29"H)											1		1	3								
FT1	Folding Table									11													
IMSS1	Open Industrial Metal Storage Shelving (144"W x 36"D x 75"H)				5	1																	
LE1	Lectern									1	1*	2*	2*	2*	2*	2							2
MB1	Magnetic White Board							1	1														
SC1	Metal Storage/Wardrobe Cabinet							1						1	2	2							
SC2	Large Metal Storage Cabinet				2	1																	
TA2	Conference Table (72" x 72")																						1
TA3	Conference Table (36" x 72")																						
WB1	Metal Work Bench				2	1																	2
WC1	Wastebasket/Small Desk	2	4	4	2	2								4	6	8	4						
WC2	Wastebasket/Tall Rectangular				2	1	2	2	3	2	2												

* Optional if not included with targetry system

TABLE 1: FURNITURE SUMMARY

		8 December 2014												
TC25-8 Appendix D Figure #	Facility Category Code (FCC)	Range Title	Control Tower - Small Arms Ranges (17971)	Control Tower - Non-Instrumented Ranges (17971)	Control Tower - Instrumented Ranges (17971)	Operations Storage Building, Large 1800 sqft. (17122)	Operations Storage Building, Standard 800 sqft. (17122)	Classroom Building, 800 sqft. (17123)	Small After Action Review Building 1064 sqft. (17123)	Shoothouse Small After Action Review Building 1064 sqft. (17123)	Instrumented Range After Action Review Building 3024 sqft. (1712)	CACTF ROC/AAR 4176 sqft. (17123)	Large After Action Review Building 1776 sqft. (17123)	Total Per Range
		Total Per Building	\$ 2,400	\$ 6,300	\$ 7,800	\$ 13,400	\$ 10,100	\$ 8,100	\$ 5,800	\$ 9,100	\$ 23,300	\$ 29,600	\$ 22,500	
1	17801	Basic 10M-25M Firing Range (Zero)	1											\$ 2,400
2	17803	Automated Field Fire (AFF) Range	1			1	1							\$ 20,600
3	17805	Automated Record Fire (ARF) Range	1			1	1							\$ 20,600
4	17806	Modified Record Fire Range	1			1	1							\$ 20,600
5	17809	Automated Qualification/Training Range (QTR)	1			1	1							\$ 20,600
6	17810	Known Distance (KD) Range	1			1	1							\$ 20,600
7	17812	Automated Sniper Field Fire Range	1			1	1							\$ 20,600
8	17816	Bayonet Assault Course					1							\$ 10,100
9	17822	Automated Combat Pistol/MP Firearms Qualification Course	1			1	1							\$ 20,600
10	17829	Heavy Sniper	1			1	1							\$ 20,600
11	17833	Automated Multipurpose Machine Gun (MPMG) Range	1			1	1							\$ 20,600
12	17841	Light Antiarmor Weapons (LAW/AT-4) Range Subcaliber												\$ -
13	17845	Automated AntiArmor Tracking and Live-Fire Range	1			1	1							\$ 20,600
14	17852	Mortar Range												\$ -
15	17856	Field Artillery Indirect Fire Range												\$ -
16	17858	Scout/Recce Gunnery Complex	1		1			1						\$ 25,500
17	17859	Digital Multipurpose Training Range (DMPTR)		1	1					1				\$ 44,500
17	17865	Multipurpose Training Range (MPTR)	1		1			1						\$ 25,500
18	17860	Digital Multipurpose Range Complex (DMPRC)		1	1					1				\$ 44,500
18	17860	Multipurpose Range Complex (MPRC)	1		1							1		\$ 42,200
19	17721	Digital Air/Ground Integration Range			1	1					1			\$ 44,500
20	17862	Tank/Fighting Vehicle Scaled Gunnery Range (1:5 and 1:10)	1				1							\$ 12,500
21	17863	Tank/Fighting Vehicle Stationary Gunnery Range	1				1	1						\$ 20,600
22	17870	Battle Area Complex (BAX)			1	1					1			\$ 44,500
23	17872	Air Defense Missile Firing Range	1				1							\$ 12,500
24	17878	Urban Assault Course					1							\$ 10,100
25	17879	Live Fire Exercise Shoothouse					1			1				\$ 19,200
26	17880	Live Fire Exercise Breach Facility												\$ -
27	17882	Hand Grenade Qualification Course (Nonfiring)												\$ -
28	17883	Hand Grenade Familiarization Range (Live)												\$ -
29	17884	Grenade Launcher Range	1											\$ 2,400
30	17885	Light Demolition Range												\$ -
31	17891	Infiltration Course	1				1							\$ 12,500
32	17892	Fire and Movement Range	1				1							\$ 12,500
33	17893	Squad Defense Range	1				1	1						\$ 20,600
34	17895	Automated Infantry Squad Battle Course	1				1	1						\$ 20,600
35	17897	Automated Infantry Platoon Battle Course	1				1	1						\$ 20,600
36	17901	Combined Arms Collective Training Facility (CACTF)					1					1		\$ 39,600
37	17996	MOUT Collective Training Facility (Small)					1				1			\$ 39,600
38	17771	Convoy Live Fire Range w/ECP					1							\$ 10,100
39	17910	Aerial Harmonization Range	1											\$ 2,400
40	17912	Aerial Gunnery Range AWSS		1			1		1					\$ 22,200

TABLE 2: COST SUMMARY

