

# **Range Facility Furniture**



Standard ROCA Buildings



RANGE AND TRAINING LAND PROGRAM – MANDATORY CENTER OF EXPERTISE U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE HUNTSVILLE, ALABAMA 256-895-1534 <u>EMAIL RTLP</u>

### 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.

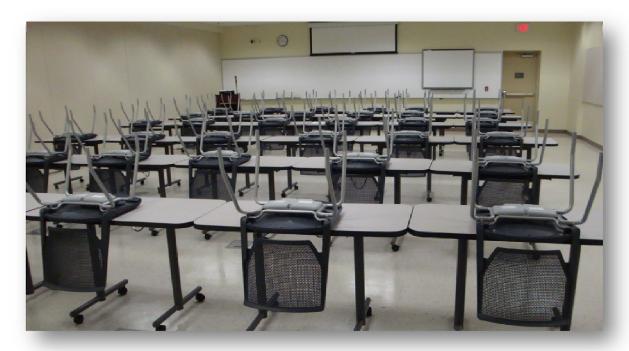
The layouts for all standard types of these facilities are included at the end of this section. Coordinate any changes with the RTLP-MCX, installation, and targetry system provider.

## **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.



### **BUILDING STRONG**®

Item Code CH1	Description Ergonomic Task Chair	ω Control Tower - Small Arms Ranges (17971)	∞ Control Tower - Non-Instrumented Ranges (17971)	는 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)	<sub>oo</sub> Instrumented Range After Action Review Building 3024 sqft. (17123)	ಧ್ರ CACTF ROC/AAR 4176 sqft. (17123)	ل Large After Action Review Building 1776 sqft. (17123)
CH2	Desk Side Chair		0	10	2	2		2	1	8	7	4
СНЗ	Folding Metal Chair				_		33	32	32			80
CH4	Instructor Stool						1	1	2	2	2	2
CH5	Industrial Task Stool				4	2					<u> </u>	
CMSS1	Commercial Metal Storage Shelves (36"W x 18"D x 75"H)					11000				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)			<u>.</u>	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	1*	2*	2*	2*	2
MB1	Magnetic White Board					1	1	15			1000 THE	0.00
	Metal Storage/Wardrobe Cabinet	+				1				1	2	2
SC1		-	-		2	1				L.	Ē	
SC1 SC2	Large Metal Storage Cabinet				1							
SC2	Large Metal Storage Cabinet	_									1	
SC2 TA2	Conference Table (72" x 72")									1	1	
SC2 TA2 TA3	Conference Table (72" x 72") Conference Table (36" x 72")				2	1				1	1	2
SC2 TA2	Conference Table (72" x 72")	2	4	4	2	1			4	1	1	2

\* Optional if not included with targetry system

TABLE 1: FURNITURE SUMMARY

#### **BUILDING STRONG®**

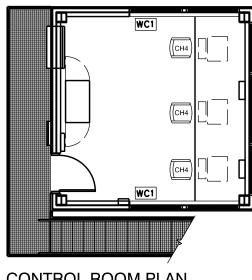
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		8 December 2014								(2)	12			
TC25-8 Appendix D Figure #	Fadility Category Code (FCC)	Range Title	Control Tower - Small Arms Ranges (17971)	Control Tower - Non-Instrumented Ranges (17971)	Control Tower - Instrumented Ranges (17971)	Operations 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	29,500	22,500	
$\square$			\$	€0	69	€	69	69	€0	69	69	69	69	
	17801	Basic 10M-25M Firing Range (Zero)	1					-						\$ 2,400
	17803 17805	Automated Field Fire (AFF) Range Automated Record Fire (ARF) Range	1			_	1	1		⊢		<u> </u>		\$ 20,600 \$ 20,600
3	17805	Modified Record Fire Range	1				1	1	1 - 1			-		\$ 20,600
5	17809	Automated Qualification/Training Range (QTR)	1				1	1	-		-	-		\$ 20,600
	17810	Known Distance (KD) Range	1				1	1						\$ 20,600
	17812	Automated Sniper Field Fire Range	1				1	1						\$ 20,600
	17816	Bayonet Assault Course					1		11-1					\$ 10,100
	17822	Automated Combat Pistol/MP Firearms Qualification Course	1		_		1	1						\$ 20,600
	17829	Heavy Sniper	1	_			1	1				<u> </u>		\$ 20,600
	17833	Automated Multipurpose Machine Gun (MPMG) Range	1				1	1					-	\$ 20,600
	17841 17845	Light Antiarmor Weapons (LAW/AT-4) Range Subcaliber Automated AntiArmor Tracking and Live-Fire Range	1	-	-	_	1	1	-	-		<u> </u>	<u>i - i</u> i	\$ - \$ 20,600
	17852	Mortar Range	-				1	- 1	-	$\vdash$		-	-	\$ 20,000
	17856	Field Artillery Indirect Fire Range		_				-		$\vdash$			-	S -
	17858	Scout/Recce Gunnery Complex	j. j	1		1			1					\$ 25,500
	17859	Digital Multipurpose Training Range (DMPTR)			1	1					1			\$ 44,500
	17865	Multipurpose Training Range (MPTR)		1		1			1					\$ 25,500
18	17860	Digital Multipurpose Range Complex (DMPRC)	_		1	1	_				1		-	\$ 44,500
	17860 17721	Multipurpose Range Complex (MPRC) Digital Air/Ground Integration Range		1	1	1			-		1	<u> </u>	1	\$ 42,200 \$ 44,500
	17862	Tank/Fighting Vehicle Scaled Gunnery Range (1:5 and 1:10)	1		- 1	- 1	1	-		<u> </u>	1	-		\$ 12,500
	17863	Tank/Fighting Vehicle Stationary Gunnery Range					1	1	1 1					\$ 20,600
	17870	Battle Area Complex (BAX)	-		1	1	-	-			1		-	\$ 44,500
23	17872	Air Defense Missile Firing Range	1				1		<u>i i i</u>				1 1	\$ 12,500
	17878	Urban Assault Course					1							\$ 10,100
	17879	Live Fire Exercise Shoothouse					1	1	1	1				\$ 19,200
	17880	Live Fire Exercise Breach Facility						-						\$ -
	17882 17883	Hand Grenade Qualification Course (Nonfiring) Hand Grenade Familiarization Range (Live)	-				_			-		-		\$ - \$ -
	17884	Grenade Familianzation Range (Live) Grenade Launcher Range	1					-	-	-		-	-	\$ 2,400
	17885	Light Demolition Range	-						-	$\vdash$			-	\$ 2,400 \$ -
	17891	Infiltration Course	1				1							\$ 12,500
32	17892	Fire and Movement Range	1				1							\$ 12,500
	17893	Squad Defense Range	1				1	1						\$ 20,600
24	17895	Automated Infantry Squad Battle Course	1				1	1						\$ 20,600
54	17897	Automated Infantry Platoon Battle Course	1				1	1						\$ 20,600
35							1					1		
35 36	17901	Combined Arms Collective Training Facility (CACTF)		-				-	-	⊢			-	\$ 39,600
35 36 37	17901 17996	MOUT Collective Training Facility (Small)					1		_			1		\$ 39,600
35 36 37 38	17901		1											

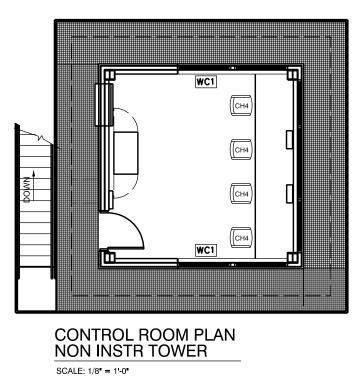
TABLE 2: COST SUMMARY

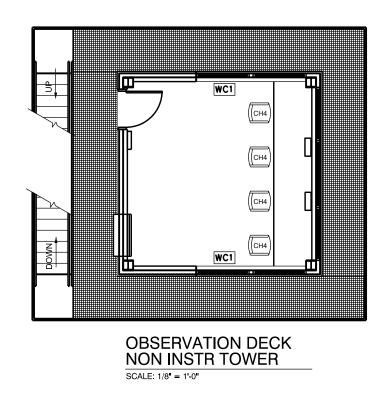
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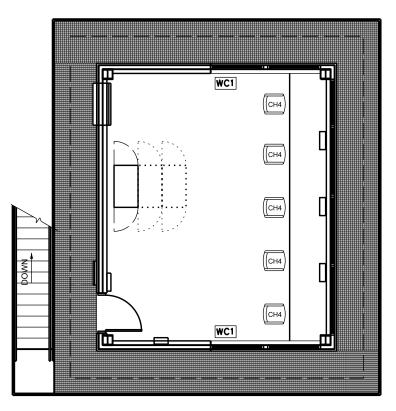
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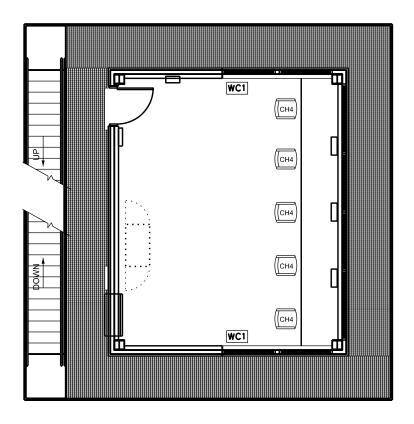




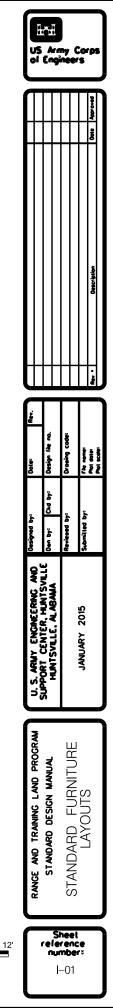




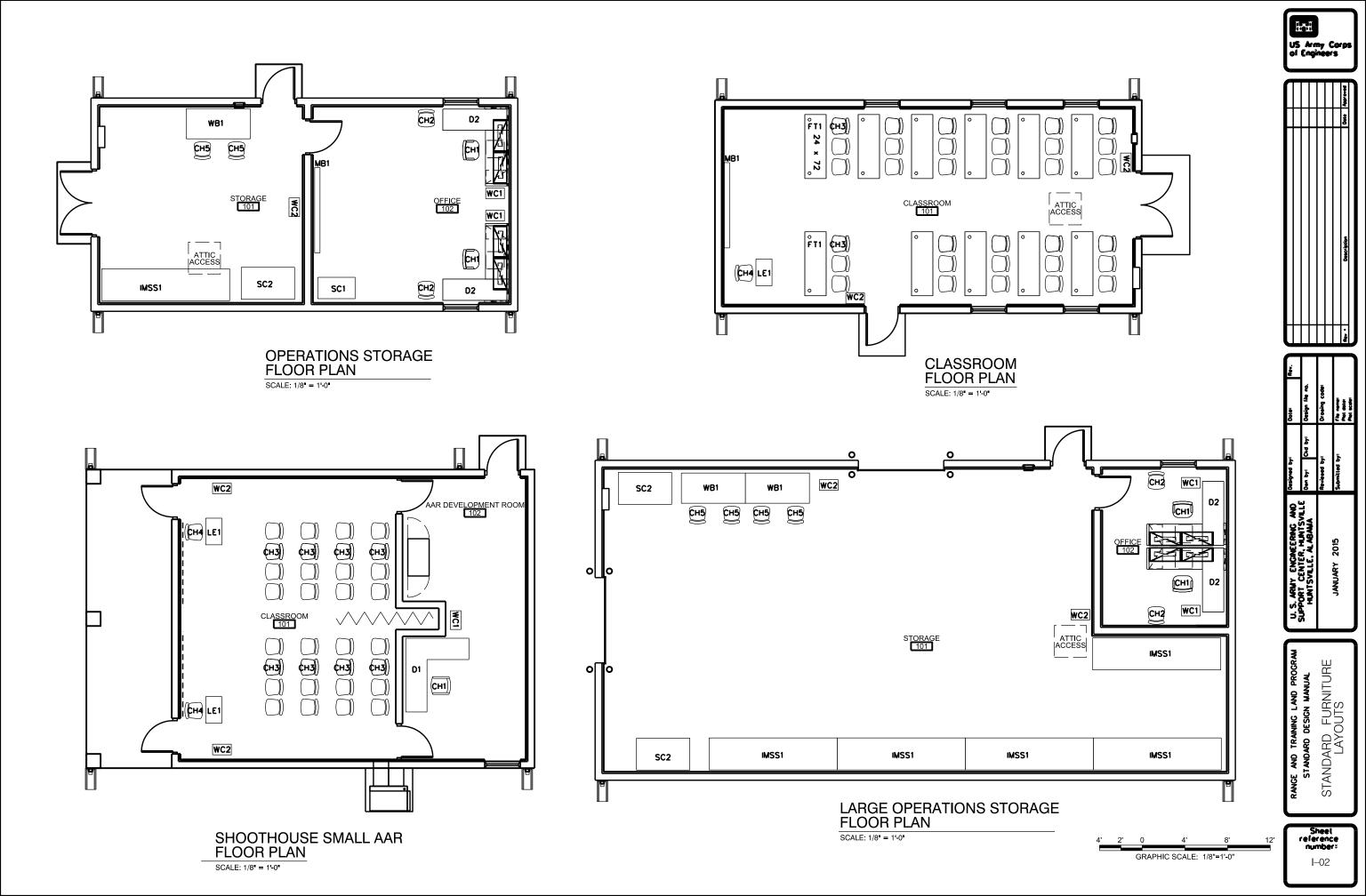
CONTROL ROOM PLAN INSTRUMENTED TOWER SCALE: 1/8" = 1'-0"

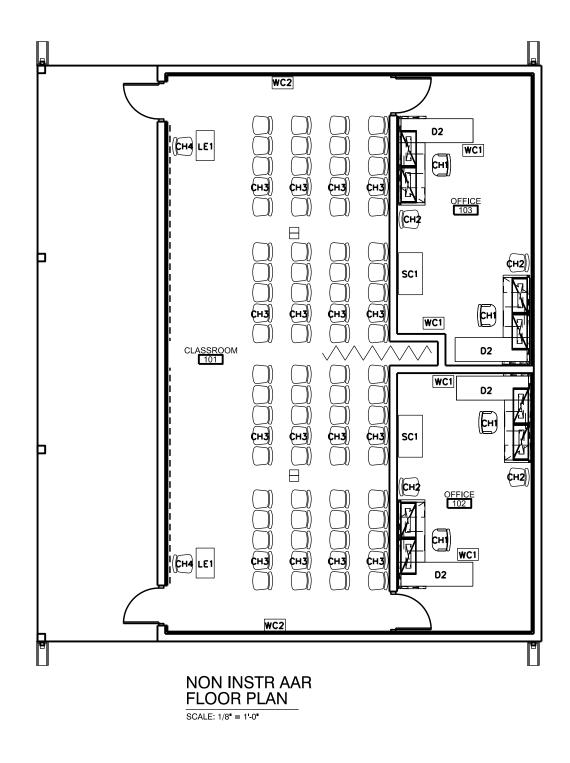


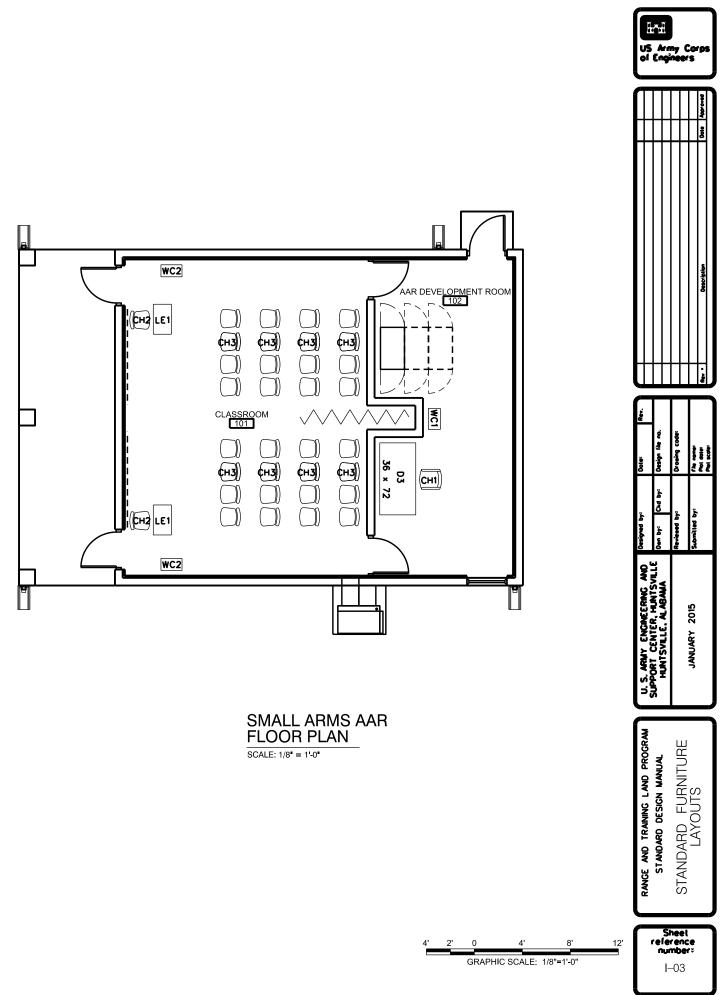
EVALUATION ROOM PLAN INSTRUMENTED TOWER SCALE: 1/8\* = 1-0\*

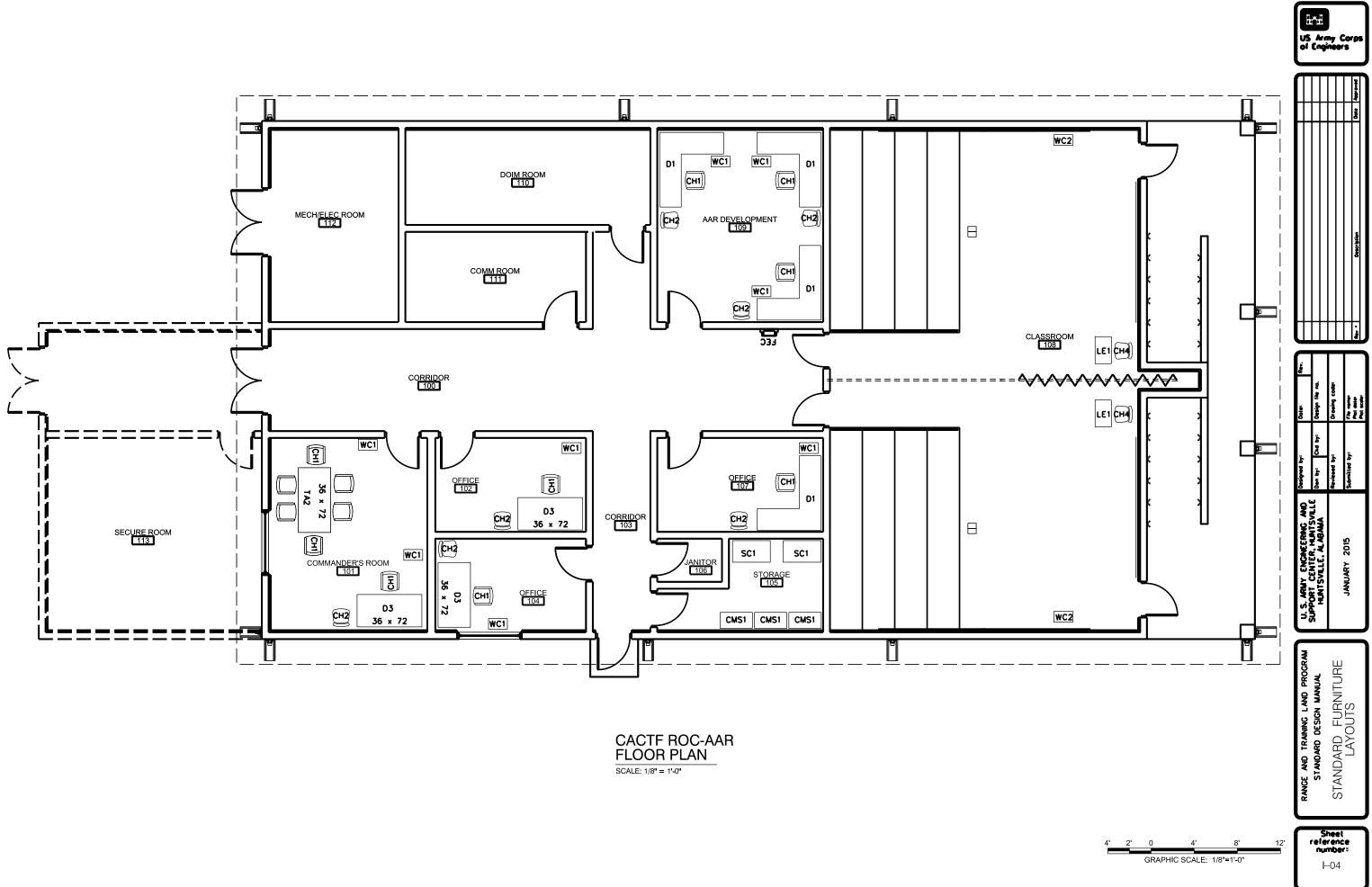


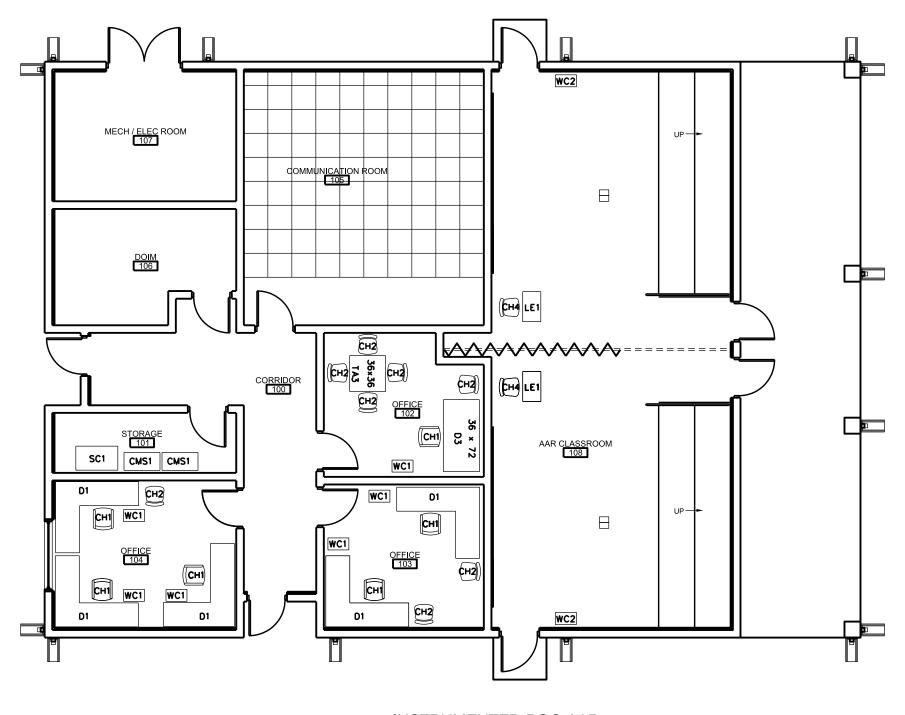
GRAPHIC SCALE: 1/8"=1'-0"



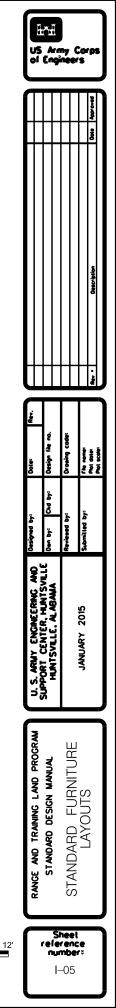








INSTRUMENTED ROC-AAR FLOOR PLAN SCALE: 1/8" = 1'-0"



GRAPHIC SCALE: 1/8"=1'-0"