

740 77 COMMUNITY STORAGE (READY ISSUE/SHOP TORES/MISC.)
(sq.m./SF) (Not applicable to Marine Corps activities)

Storage facilities for miscellaneous equipment and/or goods related to community support will be provided only where it can be individually justified. There are no criteria for this type of facility. General information on normal stacking heights, square meter per measurement metric ton (SF per measurement ton) requirements and other parameters are provided in Category Code 440 series.

740 78 RECREATION PAVILION (sq.m./SF)

The purpose of this facility is to support recreation areas such as parks, playgrounds, picnic areas, beaches, etc. This facility may include lounge, toilets, storage areas, snack bars, and/or concession stand for limited and related items as required. Space allowances may be utilized in varying numbers and sizes of pavilions. See Table 740-78 for space allowances.

TABLE 740-78
 Space Allowances for Recreation Pavilions

Military Population (1)	Gross Area		Military Population (1)	Gross Area	
	sq.m.	SF		sq.m.	SF
Up to 1,000	74	800	30,001 to 40,000	678	7,300
1,001 to 3,000	125	1,350	40,001 to 50,000	790	8,500
3,001 to 7,000	242	2,600	50,001 to 60,000	892	9,600
7,001 to 10,000	297	3,200	60,001 to 70,000	985	10,600
10,001 to 15,000	372	4,000	70,001 to 80,000	1,070	11,500
15,001 to 20,000	455	4,900	80,001 to 90,000	1,150	12,400
20,001 to 25,000	520	5,600	90,001 to 100,000	1,240	13,300
25,001 to 30,000	585	6,300			

(1) Military population consists of active duty military plus 60% of dependent population and 25% of retirees supported by the installation.

740 79 RIDING STABLES (sq.m./SF)

Provides space for single stalls, box or double stalls, treatment stalls, quarantine areas, quarters for one operator, hay storage area, grain room, tack lockers, sweat pad and blanket drying area, office, and toilets. See Table 740-79 for space allowances.

TABLE 740-79
Space Allowances for Riding Stables

Military Population (1)	Gross Area		Military Population (1)	Gross Area	
	sq.m.	SF		sq.m.	SF
Up to 100	None	None			
101 to 1,000	195	2,100	25,001 to 30,000	1,190	12,800
1,001 to 3,000	232	2,500	30,001 to 40,000	1,650	17,800
3,001 to 5,000	334	3,600	40,001 to 50,000	1,730	18,600
5,001 to 7,000	437	4,700	50,001 to 60,000	1,900	20,400
7,001 to 10,000	548	5,900	60,001 to 70,001	2,120	22,800
10,001 to 15,000	715	7,700	70,001 to 80,000	2,310	24,900
15,001 to 20,000	892	9,600	80,001 to 90,000	2,510	27,000
20,001 to 25,000	1,050	11,250	90,001 to 100,000	2,690	29,000

(1) Military population consists of military strength plus 25% of dependent population.

740 80 GOLF CLUBHOUSE (SQ.M./SF)

Project Review: EFD, NAVFAC HQ, BUPERS (Pers-656D)
Commandant of the Marine Corps (CMC) code LFL
Design Criteria: *(Military Handbook is not currently available)*

1. **GENERAL.** See introduction to 740 series category codes for General Instructions regarding facility allowance planning procedures.
2. **DEFINITION.** Golf Clubhouses provide facilities and services in support of golf course operations, to meet the recreation needs of military personnel. The facilities may also serve dependents, retirees and authorized civilians. Activities which may be accommodated in Golf Clubhouses include: bar/lounge service, snack bar food and beverage service, pro shop sales, equipment rental and storage (including possibly for cross-country skiing and other winter sports), golf facility administration, and grounds keeping and maintenance.
3. **RELATED FACILITIES.** Consideration should be given to collocating the Golf Clubhouse with the following recreational facilities in order to (i) take advantage of potential savings in space requirements and operating costs, and (ii) provide users with the increased convenience of clustered facilities:
 - 740 53 Indoor Swimming Pool
 - 740 84 Indoor Playing Courts
 - 750 10 Outdoor Playing Courts
 - 750 30 Outdoor Swimming Pool
 - 750 40 Golf Course
 - 750 56 Golf Driving Range.
4. **DEMAND.** The primary functional components of a Golf Clubhouse - Foodservice and Golf Equipment Areas - are sized based on the number of holes of the golf course and other user demand factors, as follows:
 - a) Use Table 740 80A to determine the seating demand for each foodservice area. Calculate the number of snack bar and lounge or combined snack bar/lounge seats required to serve golfing patrons, based on the number of golf course holes. Additional capacity may be required to serve non-golfing patrons in snack bar, lounge, and function room spaces, as directed in Notes (1) and (2) to Table 740 80A. Add golfing and non-golfing patron demand to determine number of seats required for each functional component.
 - b) Multiply the number of seats required for each functional component by the space allocation factors in Table 740 80B.
 - c) Demand for golf equipment facilities - pro shop, golf bag and cart storage - is directly related to the number of golf course holes. Multiply the number of 9-hole units by the space allocation factors in Table 740 80B.
 - d) Add the net area (NSF) for all components and add support area factors as directed in Table 740 80B, to derive the Total Facility Allowance for the Golf Clubhouse.
 - e) Demand for golf course support facilities - golf car storage and maintenance building - is directly related to the number of golf course holes and golf cars. Multiply the number of units for each functional component by the space allocation factors in Table 740 80C to determine the space allowances.

**TABLE 740 80A
GOLF CLUBHOUSE FOODSERVICE SEATING CAPACITIES**

<u>Note</u>	<u>Number of Golf Course Holes</u>	<u>Snack Bar</u>	<u>Lounge</u>	<u>Combined Snack Bar/Lounge</u>	<u>Function Room</u>
(1),(2)	9-18	20	10	25	--
(1),(2)	27-36	40	20	50	--
(1),(2)	45-54	60	30	75	--

Notes for Foodservice Seating Capacities:

- (1) The figures for seating capacities accommodate only golfing patron demand. Additional snack bar, lounge, and combined snack bar/lounge capacity for non-golfing patrons must be justified by demand analysis and economic operations projections based on local conditions. For example, if the golf course is situated near other installation facilities with significant numbers of workers, there may be a substantial number of non-golfing patrons at lunchtime. In the absence of specific local installation data, assume that non-golfing patron demand requires a 100% increase in snack bar seating and 50% increase in lounge seating from that required to meet the demand of golfing patrons alone.
- (2) The capacity of a function room should be based on the size of special events and large group functions for which there is a local requirement, justified by demand analysis and economic operations projections.

5. **SPACE ALLOWANCES.** Space allowances for Golf Clubhouse facilities are determined according to the planning criteria presented in Tables 740 80B and 740 80C, below. The total allowance for a facility is the sum total of the space allowances for each functional component. Seating capacity requirements for foodservice components are obtained from Table 740 80A.

Notes for Space Allowance Tables 740 80B and 740 80C:

- (1) A combined snack bar/lounge may be provided as an alternative to separate snack bar and lounge areas.
- (2) Minimum 19 sq.m. (200 NSF) for golf bag and cart storage allows for 60 club sets (both patron-owned and rental), with bags and carts.
- (3) Covered outdoor space (such as an entrance canopy or sheltered patio) is counted at 50% of its area, and must be included within the total gross area allowance for the facility.
- (4) For safety reasons, the golf car storage facility should be a separate structure, or designed for safety separation if accommodated in the same structure.
- (5) For safety reasons, the maintenance building should be a separate structure. Space for pesticide/fertilizer storage should be designed for safety separation if accommodated in the same structure.

sq.m.= square meter

NSF = Net Square Feet

GSF = Gross Square Feet

Minimum NSF = Minimum space allowance to be provided for the particular function or activity.

**TABLE 740 80B
SPACE ALLOWANCES FOR GOLF CLUBHOUSES**

<u>Note</u>	<u>Table</u>	<u>Functional Component</u>	<u># Units</u>	x	<u>Space Allocation Factor</u>	=	<u>Total Net Area</u>	<u>Minimum Net Area sq.m.(SF)</u>	
		ACTIVITY AREAS							
		Foodservice							
	A	Snack Bar (including seating, kitchen, storage)	.....	x	3sq.m.(27 NSF) per seat	=	.....	
	A	Lounge (including seating, bar, storage)	.....	x	2sq.m.(20 NSF) per seat	=	+	
(1)	A	Combined Snack Bar/Lounge (including seating, kitchen, bar, storage)	.....	x	2sq.m.(25 NSF) per seat	=	+	
	A	Function Room (including seating, service kitchen)	.....	x	2sq.m.(17 NSF) per seat	=	+	
		Golf Equipment							
		Pro Shop (including sales area, stockroom)	.....	x	46sq.m.(500 NSF) per 9 holes	=	+	49(530)
(2)		Golf Bag and Cart Storage/Rental	.....	x	14sq.m.(150 NSF) per 9 holes	=	+	19(200)
		Subtotal Activity Areas					=	
		ACTIVITY SUPPORT AREAS							
		Patron Support (including lockers, showers, toilets)			20% x Subtotal Activity Areas	=	.....	
		Administration/Storage/Support			5% x Subtotal Activity Areas	=	+	11(120)	
		Subtotal Activity Support Areas					=	
		BUILDING SUPPORT AREAS							
		Lobby/Circulation/Structure/Partitions			25% x (Subtotal Activity Areas + Subtotal Activity Support Areas)	=	+		
		Mechanical/Electrical/Communication Equip. Space			5-10% x (Subtotal Activity Areas + Subtotal Activity Support Areas)	=	+		
(3)		TOTAL FACILITY ALLOWANCE					=	Gross Area

**TABLE 740 80C
SPACE ALLOWANCES FOR GOLF COURSE SUPPORT FACILITIES**

<u>Note</u>	<u>Table</u>	<u>Functional Component</u>	<u># Units</u>	x	<u>Space Allocation Factor</u>	=	<u>Total Net Area</u>	<u>Minimum Net Area sq.m.(SF)</u>
(4)		Golf Car Storage	.....	x	6sq.m.(65 NSF) per car	=	.....
(5)		Maintenance Building	.....	x	232sq.m.(2,500 NSF) per 9 holes	=	.....	348(3,750)

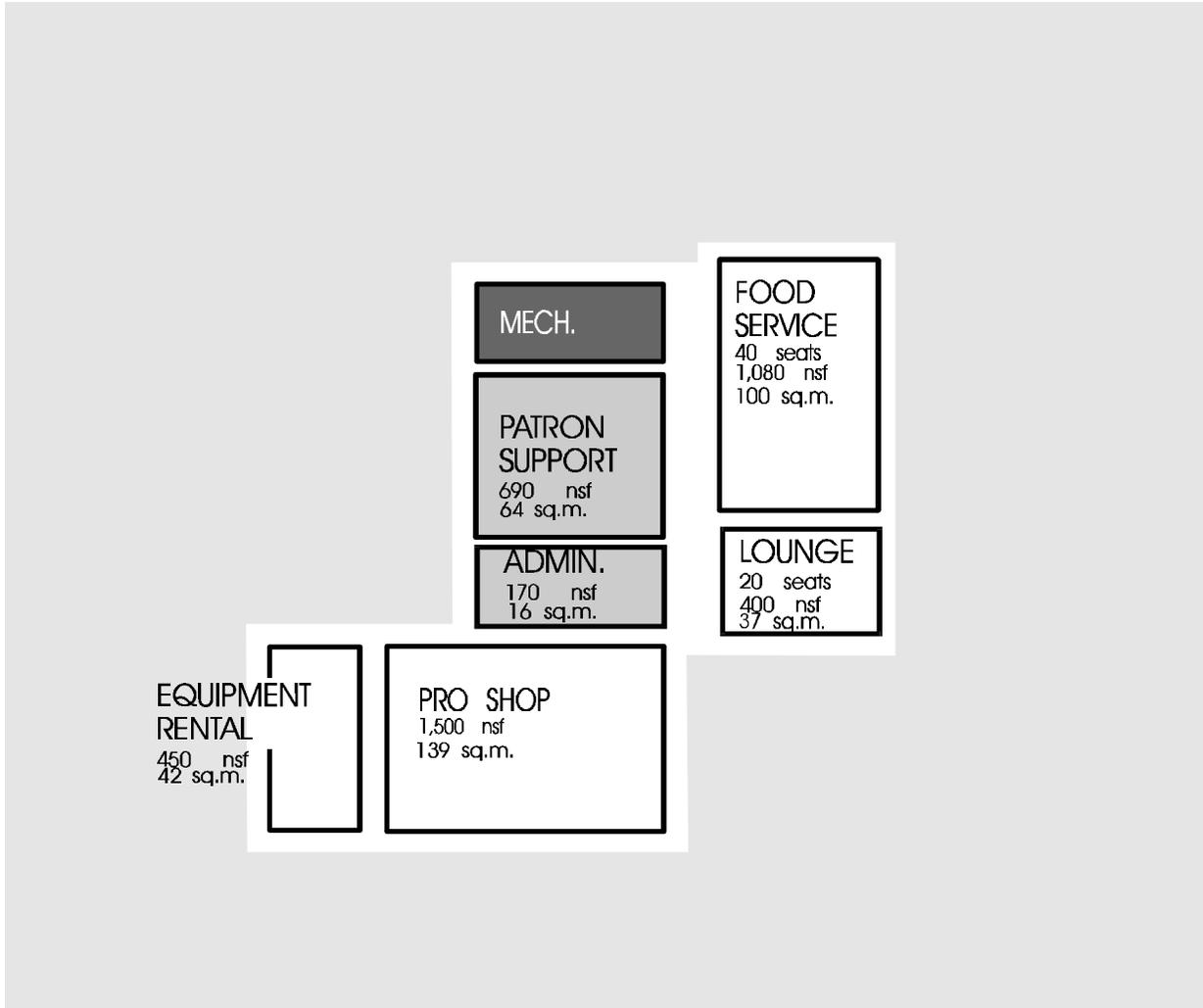
5. **ILLUSTRATIVE SPACE PROGRAMS.** Three space programs for small, medium and large Golf Clubhouses are presented to illustrate the application of the space allocation factors, and the range of spaces and capacities which may be included in a facility. These space programs are for illustrative purposes only.

6. **SAMPLE LAYOUT DIAGRAM.** A layout diagram is presented for a medium-size Golf Clubhouse facility. This diagram is an example of the composition of such a facility in terms of its functional components, their respective sizes and adjacencies. The layout diagram is for illustrative purposes only.

GOLF CLUBHOUSE (Category Code 740 80)

Sample Space Programs

Functional Components/ Sub-Components	Facility Size -- <i>SMALL</i>			Facility Size -- <i>MEDIUM</i>			Facility Size -- <i>LARGE</i>		
	Capacity	Net Area	Total Net Area	Capacity	Net Area	Total Net Area	Capacity	Net Area	Total Net Area
		sq.m.	sq.m.		sq.m.	sq.m.		sq.m.	sq.m.
ACTIVITY AREAS									
FOOD AND BEVERAGES									
Foodservice (including seating, kitchen, storage)	20	60		40	120		60	180	
Lounge Bar (including seating, bar, storage)	10	30		20	60		30	90	
Function Room (including seating, service kitchen)							45	90	
GOLF EQUIPMENT									
Pro Shop (including sales area, stockroom)		92			138			184	
Golf Bag and Cart Storage/ Rental	120	28		180	41		240	55	
Subtotal Activity Areas			210			359			599
ACTIVITY SUPPORT AREAS									
Patron Support (including lockers, showers, toilets)		40			70			120	
Administration/Storage/ Support		11			20			30	
Subtotal Activity Support Areas			51			90			150
BUILDING SUPPORT AREAS									
Lobby/Circulation/Structure/ Partitions/Janitor's Closet		70			90			150	
Mechanical/Electrical/ Communication Equip. Space		30			40			10	
Subtotal Building Support Areas			100			130			160
TOTAL GROSS AREA (sq.m.)			361			579			909
Golf Car Storage	30	180	180	60	360	360	100	600	600
Maintenance Building	18 holes	464	464	27 holes	696	696	36 holes	928	928



GOLF CLUBHOUSE - Medium Capacity

740 81 MWR RENTAL CABIN (sq.m./SF)

Project Review: Base MWR representatives, EFD, NAVFAC HQ, BUPERS (Pers-656D)

Design Criteria: (*Military Handbook is not currently available*)

1. **GENERAL.** See General Notes to 740 series category codes for General Instructions regarding facility allowance planning procedures.
2. **DEFINITION.** MWR Rental Cabins are permanent "stand-alone" or multiplex structures. Such Rental Cabins are typically developed to provide accommodation in locations which offer outdoor recreation opportunities such as boating, canoeing, fishing, hunting, hiking, skiing, and swimming. Given their typical settings, Rental Cabins are generally rustic in nature, with limited amenities, and used solely for recreational purposes. Mobile homes, trailers, RV sites and campers are not included under this category code, although such facilities may share sites and support facilities with Rental Cabins.

In addition to sleeping areas, each Rental Cabin may include a living/dining space, kitchenette, bathroom and storage area. An open or covered outdoor seating terrace may also be provided in locations with mild, warm or hot climates.

Each cluster of cabins should also be provided with a janitor's closet and a small storage area for linen, and housekeeping supplies and equipment. This type of support space may be attached to one of the cabins.

3. **RELATED FACILITIES.** Locations suitable for the development of MWR Rental Cabins may also include RV sites, camping sites and support facilities to provide patrons with a range of options for accommodation. Support facilities may include recreation centers with lounges, games areas (including pool tables, video games and ping-pong tables) and snack bars, administration offices and supply stores.

Where such locations are on waterfronts, other facilities providing support for recreational activities, such as marinas, and boat repair and storage yards, may share sites with Rental Cabins.

4. **SPACE ALLOWANCE.** Space allowances for Rental Cabins need to address the following two issues:

Total Number of Rental Cabins

The total number of Rental Cabins planned for a site should be based on the following considerations:

- Capacity of the site to accommodate the development of cabins in a manner which is both economical and environmentally appropriate. Critical site planning considerations include vehicular access and parking, utilities, privacy, views, and preservation of flora and fauna. For example, the development of a sufficient number of Rental Cabins in a location with steep, densely wooded slopes would need to weigh the costs of infrastructure provision and the clearing of areas with its impact on vegetation and wildlife.
- Return-on-investment analysis based on projected demand, revenues, capital investment, and operating and maintenance costs. This type of analysis will determine the financial feasibility of the proposed project and the number of cabins required to ensure a viable outcome.

Sizes of Individual Rental Cabins

The size of individual cabins is based on the capacity per cabin, determined primarily on the number of bed spaces to be accommodated. The number of bed spaces per cabin should be based on the pattern of the projected demand for accommodation. In most cases, it is likely that demand data analysis will indicate a need for some combination of Rental Cabins with 4-, 6- and 8-bed capacities. The maximum space allowance for the different sizes of Rental Cabins is presented in Table 740 81A below.

<u>Capacity</u>	<u>Maximum Space Allowance (Gross Area)</u>	
	sq.m.	SF
4 beds	84	900
6 beds	121	1,300
8 beds	158	1,700

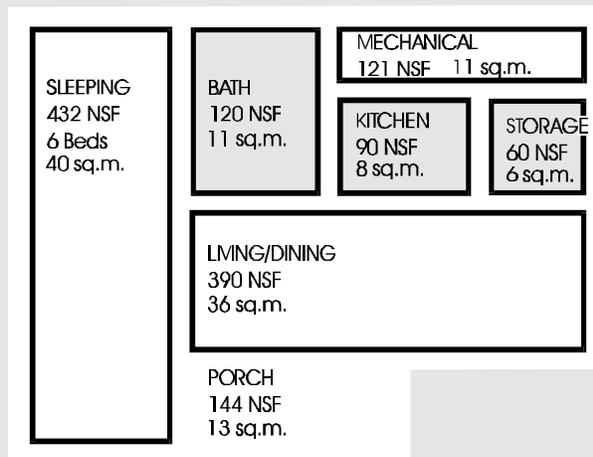
5. **ILLUSTRATIVE SPACE PROGRAMS.** Space programs for 4-, 6- and 8-bed MWR Rental Cabins are presented to illustrate the possible breakdown of the overall space allowances into functional components, with their respective sizes and capacities. These space programs are for illustrative purposes only.

6. **SAMPLE LAYOUT DIAGRAM.** A layout diagram is presented for a 6-bed MWR Rental Cabin, illustrating the relative sizes and adjacencies of component areas. A second diagram illustrates some site planning principles for organizing a group of MWR Rental Cabins. The layout diagram is for illustrative purposes only.

MWR RENTAL CABINS (Category Code 740 81)

Sample Space Program for Typical Units

Functional Component/ Sub-Component	Space Allocation Standard	4-BED CABIN			6-BED CABIN			8-BED CABIN		
		Capacity	let Area	Sub-Total Net Area	Capacity	let Area	Sub-Total Net Area	Capacity	let Area	Sub-Total Net Area
			sq.m.	sq.m.		sq.m.	sq.m.		sq.m.	sq.m.
ACTIVITY AREA	sq.m.			66			102			132
Sleeping Area	7 Net Area per bed	4	28		6	42		8	56	
Bathroom	6 Net Area per bathro	1	6		2	12		2	12	
Living/Dining Area	6 Net Area per bed	4	24		6	36		8	48	
Kitchenette	1 Net Area per bed	4	4		6	6		8	8	
Storage	1 Net Area per bed	4	4		6	6		8	8	
BUILDING SUPPORT										
Mechanical/Electrical/Communicati Equipment Space	10% total Net Area for facility	7	7		11	11		15	15	
Structure/Partitions	5% total Net Area for facility	4	4		6	6		7	7	
TOTAL Gross Area (sq.m.)				77			119			154
OUTDOOR AREA										
Porch	2 Net Area per perso	4	8	8	6	12	12	8	16	16



LAYOUT DIAGRAM -- MWR RENTAL CABIN
6 Bed Capacity

9012MWR.CDR

740 82 PUBLIC TELEPHONE FACILITY (sq.m./SF)

This code is for public telephone facilities at **Marine Corps recruit training** installations.