

441 10 GENERAL PURPOSE WAREHOUSE (SF)

This code includes general warehouses, heated or unheated, and with/without heavy duty (overhead crane) capability, sprinkler systems and/or alarm systems. the general warehouse provides covered space for bulk and bin storage, aisle space, space for receiving, packing and crating, office space for direct warehouse supervision (non-administration) and toilet space. Facilities excluded from this category are all warehouses, storehouses, etc., assigned other category codes (see pages 440-1 and 440-2 for excluded facilities). Marine Corps activities will use this category code only for Marine Corps air installations requirements in support of Navy wholesale stock point operations. These requirements will be determined by the criteria in the "Storage and Warehouse Planning Guidelines", described on page 440-2. Marine Corps Air Installations will determine requirements for storage in support of aviation operations (without a stockpoint mission), in the same manner prescribed for Naval Air Installation. For those Marine Corps Air Installations with a stockpoint mission consult NAVSUPSYSCOM for procedural methods of determining total allowable values of SF. For guidance in determining space allowances see "Storage and Warehouse Planning Guidelines", outlined on page 440-3.

441 11 GENERAL PURPOSE WAREHOUSE, MARINE CORPS DSSC (SF)

This category code includes requirements for Marine Corps ground activities which have been designated by Marine Corps Orders as Direct Support Stock Control (DSSC) activities or which have specialized DSSC functions. The criteria in the "Storage and Warehouse Planning Guidelines" described on pages 440-3 is preferred in determining storage space. However, the storage space may be calculated by using Table 441-11 below.

TABLE 441-11
Storage Space for DSSC Functions

Installation Military Strength	SF Allowed with SH of 10 Feet
up to 500	7,500
501 to 1,000	14,000
1,001 to 3,000	36,000
3,001 to 5,000	64,000
5,001 to 7,000	96,000
7,001 to 10,000	125,000
10,001 to 15,000	182,000
15,001 to 20,000	216,000
20,001 to 25,000	286,000
25,001 to 30,000	304,000
30,001 to 35,000	330,000

For DSSC mission include military strength of base at which located plus military strength of other locally supported units. Non-DSSC activities use only military strength of base at which located.

If stacking height values other than 10 feet are used, follow procedures given for Naval Air Installations to determine allowable values of NS and SF. Special assistance may be obtained from the Headquarters of the Commandant of the Marine Corps.

441 12 STORAGE OF AIR OR GROUND ORGANIC UNITS FOR MARINE CORPS (SF)

This category code includes general purpose storage facilities assigned to Marine Corps base, air installations and Fleet Marine Force (FMF) units for organic requirements to include Division/Wing, Battalion/Group and Company/Squadron storage areas, base property storage/issue points maintenance facility storage areas, Special Services storerooms, base shipping and receiving functions and any other organic storage requirements.

Nonsupply oriented (out-of-stores) storage requirements for other than FMF units will be calculated by the use of Table 441-11. For guidance in determining space allowances, see "Storage and Warehouse Planning Guidelines" described on page 440-2. This facility is excluded from the Supply Facility Management Report, required by NAVSUPINST 4450.22.

441 13 SPECIFIC PURPOSE WAREHOUSE, MARINE CORPS LOGISTICS SUPPORT BASE (SF)

This facility includes general purpose warehouses designated as storage areas for Marine Corps owned material in support of logistic support base mission as Integrated Material Managers. Also included is the space utilized in support of pre-positioned war reserve stocks. These requirements will be determined by using the criteria in the "Storage and Warehouse Planning Guidelines" described on page 440-3.

441 14 SPECIFIC PURPOSE WAREHOUSE, MARINE CORPS SASSY MANAGEMENT UNIT (SF)

This facility includes general purpose warehouses designated for support of the Supported Activity Supply System (SASSY) management units to include general and mount out accounts and consolidated issue Point assets. These requirements will be determined by using the criteria in the "Storage and Warehouse Planning Guidelines" described on page 440-3.

441 20 CONTROLLED HUMIDITY WAREHOUSE (SF)

A Controlled Humidity Warehouse is similar to a General Warehouse (441 10) in every respect except that it is constructed with appropriate vapor barriers and contains humidity control equipment to maintain humidity at desired levels. This warehouse may be a separate building or contiguous with a General Warehouse. Planning for storage of material in controlled humidity space for varying periods of time is authorized when the use of such space:

1. Permits technical material and material highly sensitive to moisture to be stored in a state of readiness for immediate use.
2. Permits a reduction in the cost in initial preservation or reprereservation of material.
3. Affords significant reduction in either the reactivation time and reactivation cost of material or both.
4. Maintains the condition of any material being held in temporary storage while awaiting repair, disposition, preservation or reprereservation or assembly of components.
5. Affords the desired supplemental protection to material already subjected to preservation treatment.

Any requirement for controlled humidity space must be thoroughly justified and such requirement must be considered a portion of the total space allowed for Category Code 441 10 through 441 40. For guidance in determining space allowances, see the criteria in the "Storage and Warehouse Planning Guidelines" described on page 440 2. For Marine Corps Fleet Stock Account requirements under this category code see NAVFAC P-272, Part 4, Definitive Designs.

441 30 HAZARDOUS AND FLAMMABLES STOREHOUSE (SF)

A hazardous and flammables storehouse is similar to a general warehouse (441 10) in most respects except provision is made to prevent and remove through proper ventilation evaporated and gaseous fumes in accordance with NFPA (National Fire Prevention Association) Standard No. 30. Materials normally considered for storage in this category include paints, certain packaged POL, chemicals, acids, corrosive liquids, oxidizing material and other similar hazardous and/or flammable materials. Any amount of space that is justified for a hazardous and flammables storehouse must be considered a portion of the total amount of space allowed for Category Codes 441 10 through 441 40 and will not normally exceed 5% of such total amount unless thoroughly justified. Whenever practical, general storage shed (441 35) should be specified and used. If necessary, the Naval Safety Center NAS Norfolk, Virginia should be consulted for guidance. For guidance in determining space allowances, see the criteria in the "Storage and Warehouse Planning Guidelines" described on page 440-3.

Storage of Gas Bottle Cylinders and Drummed POL. When planning facility requirements for flammables/hazardous materials, be certain that bottle gas cylinders and drummed petroleum, oils and lubricants (POL) are not planned for storage in flammables/hazardous warehouses. These items should be planned for storage in shed space. If POL drums have been hot dip galvanized for protection, they may be planned for storage in open storage facilities. DOD Regulation 4145.19-R-1, "Storage and Materials Handling" should be used for guidance in providing the appropriate types of storage facilities for materials to be stored.

441 35 GENERAL STORAGE SHED (SF)

The general shed is a roofed structure without complete side and/or end walls and with or without sprinkler and/or alarm systems. Examples of material stored in sheds include gas cylinders, vehicles, unfinished lumber and other construction material.

In those areas where it is impracticable to use shed space for the storage of materials because of weather conditions, storage requirements will be included as warehouse space and complete justification will be submitted. For guidance in determining space allowances, see the criteria in the "Storage and Warehouse Planning Guidelines" described on page 440-3.

441 40 UNDERGROUND STORAGE (SF)

Where it is necessary, because of potential sabotage or enemy action, to protect supplies either by dispersal or protective construction instead of programming new protective construction, existing mines may be used. Suitable mines for this purpose are: limestone, marble, quartzite, granite, gold, silver, uranium, lead, zinc and copper. Only draft-type entries should be considered. Rooms should not be less than 30 feet wide or less than 12 feet high. Optimum dimensions are 500 feet wide by 18 feet high.

Any amount of space that is justified must be considered a portion of the total space allowed for Category Codes 441 10 through 441 35, unless such justification is based entirely upon computation and rationale not in any way related to requirements under Category Codes 441 10 through 441 35. For guidance in determining space allowances, see "Storage and Warehouse Planning Guidelines" described on page 440-3.

SPECIAL SUPPLY OPERATIONS (411 71, 72, and 73)

Since performance of Special Supply Operations is primarily a function of facility floor space and not stacking height (SH) the actual height to which material is/will be stacked is pertinent. For guidance in determining space allowances, see "Storage and Warehouse Planning Guidelines" described on page 440-3.

441 71 INTEGRATED LOGISTICS OVERHAUL (ILO) AND OUTFITTING BUILDING (SF)

This facility provides covered supply space used for processing materials offloaded from or assembled for loading aboard ships. It includes space required for receiving, sorting, identifying and processing materials off-loaded and processing and assembly of outfitting materials to be loaded aboard fleet units. This facility was formerly called Outfitting and Supply Operations Assistance Program (SOAP) Building.

441 72 SERVMART (SF)

A SERVMART Provides covered supply facilities used for display and sale of supply systems materials for self-service requisitioning by end users. It includes areas used to display items on shelves or gondolas, check-out counters and administrative functions. It excludes back-up storage areas; requirements for such areas must be based on SH values and are carried under other basic category 441 codes.

441 73 MTIS BUILDING (SF)

This facility provides covered supply space used for processing materials turned into store for redistribution or disposal. It includes space used for receipt, screening, identification, assembly and staging for return to storage areas. MTIS is acronym for "Materials Turned Into Store".