212 MAINTENANCE - GUIDED MISSILES

This basic category provides facilities and shops for maintenance and repair of guided missile systems, ground handling, and launching equipment. Under certain circumstances, the maintenance and storage for these missiles are integrated and the missiles are maintained where they are stored.

212 10 GUIDED MISSILE INTEGRATION FACILITY (SF)

The purpose of this facility is to assemble new-production components of air launched guided missiles and perform any required maintenance on fleet returned All-Up-Round (AUR) missiles or components. Missiles are returned from the fleet at service inspection time when the maintenance due date assigned to the missiles so require. This type of facility is primarily found at Naval Weapons Stations. However, it is also found at Naval Air Stations and other ordnance related activities.

A typical facility is capable of servicing four different types of missiles and is composed of six basic areas which are expressed in net square feet as follows:

1.	Decanning and Storage Area	3,050
2.	Open Work Area and Support Maintenance	3,050
3.	Assembly Area (Test Cell)	4,169
4.	Missile Storage	1,229
5.	Office/Library	1,160
6.	Mechanical Equipment Room & Toilet	1,146
	Total	13,804

The net to gross conversion factor for this facility is 1.24 to 1, or 13,804 NSF x 1.24 = 17,117 GSF.

In the event that more than four types of missiles are required to be serviced, the size of the facility may be increased by 3,451 NSF or 4,280 GSF per additional type of missile.

Additional information pertaining to the type of test performed and the amount of time required for each test involving the Sidewinder, Sparrow, Walleye, Shrike and Phoenix missile may be obtained from the Air Launched Missile Industrial Processing Guide (ALM-IPG) which is promulgated by Technical Manual Identification Number (TMIN) TW 800-AA-MMI-000/ALM - IPG.

The Guide consists of a general information volume and five additional volumes of data, each of which is dedicated to a particular missile. The Guide presently consists of the following volumes:

Volume 1 - General Information, TW 800-AA-MMI-010/ALM-IPG

Volume 2 - SIDEWINDER AIM-9G/H/L, TW 800-AA-MMI-020-/ALM-IPG

Volume 3 - SPARROW AIM-7E/F and RIM-7E/H, TW 800-AA-MMI-030/ALM-IPG

Volume 4 - WALLEYE Guided Weapon, TW 800-AA-MMI-040/ALM-IPG

Volume 5 - SHRIKE AGM-45A/B, TW 800-AA-MMI-050/ALM-IPG

Volume 6 - PHOENIX AIM-54A, TW 800-AA-MMI-060/ALM-IPG

Copies of the Guide may be ordered from Code 2242 of the Pacific Missile Test Center, Pt. Mugu, CA either as a completed set under TMIN-TW 800-AA-000/ALM-IPG or as individual volumes using the individual volume TMIN.

212 20 MISSILE EQUIPMENT MAINTENANCE SHOP (SF)

No planning factors are currently available for this facility- Activities with limited number of missile-handling equipment should consider performing their maintenance in Automotive Vehicle Maintenance Shop (Code 214 20).

212 30 MISSILE ASSEMBLY AND TEST BUILDING (SF)

This facility is required for intermediate level maintenance of surface launched guided missiles. Component sections of the missile are tested, assembled into a missile of the required configuration, and tested as an all-up-round. Missiles may be received/shipped as bare missiles or packaged in containers. Bridge cranes are needed to handle the missiles in the receiving/shipping area and onto the test beds in the test cells. Test cells should be constructed for an explosion hazard of 300 lbs net explosives weight.

TABLE 212 30
Space Allowances for Surface Launched Guided Missiles

Weapons System	Gross SF
Standard	
Assembly	9300
Control Cell	1045
4 Test Cells	2040
Packaging	2500
Warheading, SW	450
Component rework, stores	6600
Other	5755
TOTAL	27,690

HARPOON

Assembly and holding area	13,425
Control Cell	925
2 Test Cells	920
Office and stores	860
TOTAL	16,130

212 40 MISSILE COMPONENT SLING TEST TOWER (EA)

This facility is used to test the tensil strength of all forms of weapons handling equipment such as slings, beams, bars, etc. It is used in testing developmental equipment and the periodic testing of handling equipment. The tower is a requirement of any station that is involved with handling of heavy loads of ammunition, such as weapon stations and those activities that load and off load ammunition ships.

212 77 GUIDED MISSILES/SPARES STORAGE (READY ISSUE/SHOP STORES/MISC.) (SF)

Storage facilities for miscellaneous equipment or goods related to guided missiles 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, SF per measurement ton requirements, and other parameters are provided in Category Code 440 series.