

COAST ARTILLERY FIELD MANUAL

REFERENCE DATA

SYMBOLS

TABLE C.—*Symbols for seacoast artillery fire-control maps, diagrams, and structures*

Part 1.—Basic symbols.

Name	Symbol	Abbreviation
Harbor defense command post.....		H D C P
Groupment command post.....		Gpmt C P
Fort command post.....		Ft C P
Gun group command post.....		G C P
Mine group command post.....		M C P
Seacoast battery command post.....		B C P
Harbor defense observation station.....		H D O P
Groupment observation station.....		Gpmt O P
Fort observation station.....		Ft O P
Gun group observation station.....		G O P
Mine group observation station.....		M O P
Battery observation station.....		B O P

TABLE C.—*Symbols for seacoast artillery fire-control maps, diagrams, and structures—Continued**Part 1.—Basic symbols—Continued.*

Name	Symbol	Abbreviation
Emergency observation station.....		E O P
Antiaircraft observation post.....		A A O P
Battery spotting station.....		S O P
Separate observation station.....		O P
Operations and plotting room.....		O P R
Plotting room.....		P
Self-contained base range-finder station.....		R F
Magazine.....		Mg
Shell room.....		S Rm
Temporary or improvised fire-control structures.....	 Imp	Imp
Mine casemate.....	 MC	M O
Mine loading room.....		L R
Searchlight, 60-inch seacoast.....		S L
Searchlight, seacoast, other than 60-inch.....		S L

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TABLE C.—*Symbols for seacoast artillery fire-control maps, diagrams, and structures—Continued*

Part 1.—Basic symbols—Continued.

Name	Symbol	Abbreviation
Antiaircraft searchlight.....		A A S L
Searchlight shelter.....		S Sh
Searchlight powerhouse.....		S P H
Searchlight controller booth.....		C B
Data booth.....		Data B
Watchers booth.....		W Bth
Meteorological station.....		M E T
Tide station.....		Td
Signal station.....		S S
Fire-control switchboard room.....		F S B
Post telephone switchboard room.....		P S B
Combined fire-control and post telephone switchboard room.....		F S B P S B
Cable terminal.....		C Ter
Powerhouse.....		P H

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TABLE C.—*Symbols for seacoast artillery fire-control maps, diagrams, and structures—Continued*

Part 1.—Basic symbols—Continued.

Name	Symbol	Abbreviation
Radio powerhouse.....		R P H
Central powerhouse.....		C P H
Pumping plant.....		P P
Datum point.....	 OR 	
Triangulation station.....	 OR 	
Intersection point.....	 Block Beacon	
Bench mark.....	 BM X 1232	B M
Lighthouse.....		L H

Part 2.—Numbers for harbor defense installations.—a. In a harbor defense, seacoast artillery installations of each type are numbered consecutively from right to left, facing the center of the field of fire of the harbor defense. Antiaircraft installations pertaining to the harbor defense may be numbered in any convenient sequence.

b. Groupments, gun groups, mine groups, batteries, and all installations functioning directly under the harbor defense commander, such as harbor defense observation stations, searchlights, and underwater listening posts, are numbered consecutively, each type in a separate series, beginning with number 1. These numbers normally are shown as subscripts to the letter included in the appropriate symbol. Exceptions are included among the examples that follow.

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Name	Symbol	Abbreviation
Harbor defense observation station.....		H D O P ₁
Fort observation station.....		F O P ₁
Antiaircraft observation post.....		A A O P 2
Magazine or shell room.....		Mg 2 or SRm 2

c. Groupment, group, and battery observation and spotting stations assigned to a unit are numbered consecutively within the unit, each type in a separate series, beginning with number 1. These numbers are shown as superscripts to the letter included in the appropriate symbol, the unit number remaining as the subscript.

Name	Symbol	Abbreviation
Groupment observation station.....		Gpmt ₁ O P ₁
Gun group observation station.....		G ₂ O P ₁
Mine group observation station.....		M ₂ O P ₁
Battery observation station.....		B ₂ ¹ O P ₁
Spotting station.....		S ₂ ¹ O P ₁
Emergency observation station.....		E ₂ ¹ O P ₁
Temporary or improvised fire-control structures.....	 imp	B ₂ ² Imp.

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d. In certain cases it is desirable to show additional information regarding an installation, such as its size and whether fixed, portable, or mobile. Such information is placed either in the symbol or to the right thereof.

Name	Symbol	Abbreviation
60-inch seacoast searchlight; fixed, portable, or mobile.	2F (P or M)	SL 2 F (P or M).
Seacoast searchlight other than 60-inch.	36	SL ³⁶ _{3P} .
Antiaircraft searchlights; fixed, portable, or mobile.	AA 3F (P or M)	A A S L 3 F (P or M).
Antiaircraft gun battery or composite battery, fixed or mobile.	AA 2 F or M	AA No. 2 (F or M).

e. Where two stations are combined in one room, the symbols are superimposed one upon the other, and the letters representing each station are inclosed in the combined symbol.

Name	Symbol	Abbreviation
Combined groupment command post and fort command post.		Gpmt Ft CP.
Combined battery observation and spotting station.		B ² ₁ S ² ₁ O P.
Combined group command post and battery command post.		G ₁ B ₂ C P.
Combined battery command post and battery observation station.		B ₂ C P B ² ₂ O P.

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f. Where stations are adjacent in the same structure, the symbols are tangent to each other and are arranged to show the relative location, as:



g. Where communication may be had by voice through a passage, door, window, or voice tube, the symbols are left open at the point of contact, as:



Part 3.—Communication symbols for use on harbor defense fire-control charts and diagrams.

Telephone cable (numerals indicate number of pairs and gage).....	26-19
Speaking tube.....	o o o o
Mechanical data transmission line.....	— — — —
Electrical data transmission line.....	x x x x
Searchlight controller line.....	— — — —
Zone signal and magazine telephone line.....	o x o x o x o
Firing signal line.....	• • • •
Time interval bell line.....	— — — —
Submarine cable (numerals indicate number of pairs and gage).....	50-12

Part 4.—Abbreviations

Cable gallery.....	C Gal
Cable tank.....	C T
Cable hut (commercial cable).....	C H
Coast Guard station.....	C G S
Engineer wharf.....	Engr Whf
Gasoline tank.....	G Tk
Guardhouse.....	G H
Latrine.....	L

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Part 4.—Abbreviations—Continued.

Lighthouse wharf.....	L H Whf
Mine boathouse.....	M B H
Mine derrick.....	M Drk
Mine tramway.....	M Tmy
Mine wharf.....	M Whf
Ordnance machine shop.....	O M S
Private wharf.....	Pvt Whf
Radio (commercial station).....	Rad
Railway wharf.....	Ry Whf
Saluting battery.....	Sl B
Service dynamite room.....	S D R
Steamship wharf.....	S S Whf
Quartermaster wharf.....	Q M Whf
Superseded (for abandoned buildings, etc.).....	24 s
Temporary (for all uses except fire-control structures).....	19 t
Sunset gun.....	S G
Tide gage.....	T G
Torpedo storehouse.....	T S
Tower.....	Tw
Water tank.....	W Tk
Weather bureau.....	W B