

Abbreviations on Navy Ship Design Drawings

This list of abbreviations is particularly oriented toward the Shipboard Habitability Improvement Program. This index was compiled based on the historic MIL-STD-12 (which was canceled in 1998), and common usage on US Navy ship drawings. For purposes of the Shipboard Habitability Improvement Program this is the official list, and is intended to be complete. Where more than one translation is given, the reader must evaluate based on the context. If there are any questions or suggestions contact Habitability@MSCorp.net. For purposes of the Shipboard Habitability Improvement Program, this list supersedes ASME Y14.38. For most other purposes, ASME Y14.38 is the official source, if you happen to have a legitimate copy. This list may be helpful for Navy Ship Design Drawings in general. If the translation remains unclear, the reader should ask the originator of their document that is in question for the specific meaning of any abbreviation.

Abbreviation	Expanded Abbreviation
#	Pound, as in 5.1# Plate, 5.1 Pound per Square Foot Steel Plate (1/8" Thick)
&	And
1MC SPKR	Public Address System Speaker
A	Aft (used in weight data)
A	Ampere
A/C	Air Conditioning
ABBR	Abbreviate/Abbreviation
ABL	Above Baseline
ABT	About
ABV	Above
AC	Alternating Current
ACN	Advance Change Notice
ACST	Acoustic
ADDL	Additional
AEL	Allowance Equipage List
AFFF	Aqueous Film Forming Foam additive for fighting fuel fires
AFT	After (Direction)
AL	Air Lock
AL	Aluminum
ALPHA	Alphabetical
ALT	Alteration
ALTN	Alternate
ALUM	Aluminum
ALY	Alloy
AM	Amplitude Modulation
AMEND	Amendment
AMP	Amperage/Ampere
ANDZ	Anodize
ANG	Angle
ANL	Anneal
ANSI	American National Standards Institute
ANT	Antenna
APL	Allowance Parts List
APR	April

Abbreviations on Navy Ship Design Drawings

APVD	Approved
AQL	Acceptable Quantity Level
AR	As Required
ARR	Arrangement
AS	Antisubmarine
AS	Automatic Sprinkler
ASAP	As Soon As Practical
ASCII	American National Standard Code for Information Interchange
ASME	American Society of Mechanical Engineers
ASSY	Assembly
ASTM	American Society for Testing and Materials
ASTN	Astern
AT	Airtight
ATCH	Attach/Attachment
ATH	Athwartship
ATM	Atmosphere
ATTN	Attention
AUX	Auxillary
AVG	Average
AVHC	Bolted Access Plate for Air Ventilation Hose Connection, Typically in a Tank Top
AWG	American Wire Gauge
AWS	American Welding Society
B/B	Between Berths with switch
BB	Bulletin Board
BERTH	Berthing
BETW	Between
BFR	Before
BHD	Bulkhead
BIN	Binary
BIT	Binary Digit
BKGD	Background
BKLT	Booklet
BL	Baseline
BLDG	Building
BLK	Black
BLMTH	Bellmouth
BLW	Below
BMTLC	Bimetallic
BOSN	Boatswain
BOT	Bottom
BP	Bolted Plate

Abbreviations on Navy Ship Design Drawings

BR	Bend Radius
BRAZ	Brazier
BRKT	Bracket
BTH	Berth
BTRY	Battery
BTU	British Thermal Unit
BTWLD	Buttweld
C	Channel
C - C	Center to Center Spacing
C TO C	Center to Center Spacing
C&A	Compartment and Access
C/O	Consist of
CAD	Cadmium
CAD	Computer-aided Design
CAL	Calibrate/Calibration
CALC	Calculate
CAM	Computer-aided Manufacture
CANC	Cancel
CAP	Capacitance/Capacitor
CAT	Catalog
CAT	Category
CAT	Catapult
CATH	Cathode
CATV	Cable Television
CB	Circuit Breaker
CBR	Chemical Biological Radiological (Warfare)
CC	Cubic Centimeter
CCTV	Closed Circuit Television
CCW	Counterclockwise
CD PL	Cadium Plate (Obsolete)
CERT	Certify
CF	Cut From
CFC	Central Fire Control
CFC	Chloroflourocarbon
CFE	Contractor Furnished Equipment
CFM	Contractor Furnished Material
CFM	Cubic Foot (Feet) per Minute
CFR	Condition Found Report
CG	Center of Gravity
CG	Cleaning Gear
CG LKR	Cleaning Gear Locker
CHAN	Channel
CHAP	Chapter
CHG	Change
CHK	Check

Abbreviations on Navy Ship Design Drawings

CHLD	Chilled
CHR	Chromium
CHRG	Charge/Charger
CHW	Chilled Water
CID	Component Identification
CKT (S)	Circuit (s)
CKT BKR	Circuit Breaker (Alternate Abbreviation)
CL	Centerline
CL	Class
CLR	Clear
CLTHG	Clothing
CMIL	Circular Mil
CMOS	Complementary metal-oxide semiconductor
CN	Can
CNA	Copper Nickel Alloy
CNC	Computer Numerically Controlled Machinery
CNDS	Condensate
CNSL	ComNavSurfLant
CNSP	ComNavSurfPac
CNTOR	Contractor
CNVC	Convenience
CO	Clean Out
COAM	Coaming
COAX	Coaxial
COEF	Coefficient
COG	Cognizant
COM	Common
COML	Commercial
COMP	Compartment
COMPT	Compartment (Alternate Abbreviation)
CONC	Concentric (Alternate Abbreviation)
CONF	Confidential
CONFIG	Configuration
CONN	Connection
CONO	Condition (Alternate Abbreviation)
CONT	Continued
CONV	Convection/Convectore
CONVN	Convection (Alternate Abbreviation)
COORD	Coordinate
CORP	Corporation
COSAL	Coordinated Shipboard Allowance List
COV	Covering
COV	Cutout Valve
CP	Curtain Plate

Abbreviations on Navy Ship Design Drawings

CPFF	Cost Plus Fixed Price
CPI	Cost Plus Incentive
CPLG	Coupling
CPO	Chief Petty Officer
CPRSN	Compression
CPS	Collective Protective System
CPU	Central Processing Unit
CPW	Cold Potable Water, cold drinking water
CQ	Commercial Quality
CR	Cold Rolled
CR	Crew (As Spaces)
CR MOLY	Chrome Molybdenum
CR VAN	Chrome Vanadium
CRCLT	Circulate
CRCMF	Circumference
CRES	Corrosion Resistant steel (Obsolete use SST)
CRM	Chrome
CRPL	Chromium Plate
CRS	Cold Rolled Steel
CRW	Crew
CSK	Countersunk Head (See also CTSK)
CSTG	Casting
CTD	Coated
CTR (S)	Center (S)
CTRL	Control (Computers)
CTSK	Countersunk Head (See also CSK)
CU	Copper
CU FT	Cubic Foot (Feet)
CU IN	Cubic Inch
CURT	Curtain
CV	Check Valve
CW	Clockwise
CW	Cold Water
CWT	Hundredweight
CYL	Cylinder
D	Deep
D/A	Digital to Analog
D3	LSDSGU-3 or DWX-3
D4	LSDSGU-4 or DWX-4
D9	LSDSGU-9
DA	Drying Area
DB	Decibel
DB	Distribution Box
DBL	Double
DC	Damage Control

Abbreviations on Navy Ship Design Drawings

DCN	Design Change Notice
DCN	Drawing Change Notice
DD	Deck Drain
DDS	Design Data Sheet
DDV	Deck Drain Valve
DE LT	Deck Edge Light
DEC	December
DEC	Decimal
DECON	Decontamination
DECONTN	Decontamination (Alternate Abbreviation)
DEF	Definition
DEG	Degree
DEGUSG	Degaussing
DEPT	Department
DESCP	Description
DET	Detail
DEV	Development
DEWTRG	Dewatering
DF	Drinking Fountain
DHMY	Dehumidify
DIA	Diameter
DIAG	Diagonal
DIAG	Diagram
DID	Data Item Description
DIM	Dimension
DISC	Disconnect
DISCH	Discharge
DIST	Distance
DISTR	Distribution
DISTR STMT D	Distribution Statement D
DIV	Diverter
DIV	Division
DK	Deck
DK COV	Deck Covering
DLA	Data Link Address
DMG	Damage
DN	Down
DNTL	Dental
DNW-4	See MIL-HDBK-299
DOB	Date of Birth
DOC	Document
DOD	Department of Defense
DODD	Department of Defense Directive
DOD-HDBK	Department of Defense Handbook
DOW	Company name (DOW Corning)

Abbreviations on Navy Ship Design Drawings

DP	Double Pole/Two Pole
DP	Dripproof
DPDT	Double Pole Double Throw
DPNL	Distribution Panel
DPST	Double Pole Single Throw
DR	Door
DR	Drain
DRY	Dryer (As Hand Dryer)
DSGN	Design
DSW	Door Switch
DT	Date
DT	Double Throw
DTD	Dated
DTL	Detail (MIL-DTL-)
DWG	Drawing
DZ	Dozen
E	Exhaust
EA	Each
ECC	Eccentric
ECD	Estimated Completion Date
ECP	Engineering Change Proposal
EDP	Electronic Data Processing
EEBD	Emergency Escape Breathing Device
EG	For Example
ELEC	Electrical
ELECT	Electrical (Alternate Abbreviation)
ELEV	Elevation
ELEX	Electronics
ELF	Extremely Low Frequency
EMER	Emergency
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EMPL	Employee
EMT	Electrical Metallic Tubing
ENAM	Enamel
ENCL	Enclosure
ENG	Engine
EOD	Explosive Ordnance Disposal
EPROM	Erasable Programmable read-only Memory
EQ	Equal
EQPT	Equipment
ER	Emergency Room
ESC	Escape
ESC S	Escape Scuttle
EST	Estimate

Abbreviations on Navy Ship Design Drawings

ET	Elapsed Time
ETA	Estimated Time of Arrival
ETC	Etcetera
EVAL	Evaluate
EVAP	Evaporate/Evaporator
EXAM	Examination
EXH	Exhaust (Alternate Abbreviation)
EXST	Existing
EXT	Extinguisher
F	Fire
F	Forward (used in weight data)
F.C.U.	Fan Coil Unit
FAB	Fabricate
FAX	Facsimile
FB	Flat Bar
FCTN	Function
FDN	Foundation
FDR	Feeder
FDX	Full Duplex
FEB	February
FED	Federal
FEM	Female
FEXT	Fire Extinguisher
FF	Flagg-Flow (Lee Brass)
FH	Flat Head (Alternate Abbreviation)
FH	Full Head
FIFO	First-in-first-out
FIG	Figure
FIN	Finish
FIX	Fixtures
FL	Flat
FL	Flush, Flushing Water
FLDG	Folding
FLEX	Flexible
FLG	Flange
FLUOR	Fluorescent
FLW	Flat Washer
FM	Fire Main
FM	Frequency Modulation
FN	Find Number (Standardized Items)
FO	Flat Oval
FOB	Free of Burden
FOUD	For Official Use Only
FP	Fore Peak
FP	Forward Perpendicular
FPM	Foot (Feet) Per Minute

Abbreviations on Navy Ship Design Drawings

FPS	Foot (Feet) Per Second
FPT	Female Pipe Thread
FR	Frame
FR	From
FREQ	Frequency
FS	Fail Shut
FSB	Female Sil-Braze
FSC	Federal Supply Class
FSCM	Federal Supply Code for Manufacturers
FSN	Federal Stock Number
FT	Foot/Feet
FT	Fume Tight
FT LB	Foot Pound-force
FTG	Fitting
FTHRD	Female Thread
FU	Fuse
FURN	Furniture
FWD	Forward
FXTR	Fixture
FY	Fiscal Year
FZ	Fuze
FZR	Fire Zone Rating
G	Gram
G	Gravity
GA	Gauge
GAL	Gallons
GALV	Galvanize
GENL	General
GFE	Government Furnished Equipment
GFI	Ground-fault Interrupter
GFM	Government Furnished Material
GIGO	Garbage In Garbage Out
GL	Gallons (Supply Abbreviation)
GL	Glass
GM	Metacentric Height
GN	General Note
GND	Ground
GOVT	Government
GP	General Purpose
GPH	Gallons Per Hour
GPM	Gallons Per Minute
GR	Grade
GR	Gross, quantity = 144
GRN	Green
GRP	Glass Reinforced Plastic (Fiberglass)
GRP	Group

Abbreviations on Navy Ship Design Drawings

GSKT	Gasket
GSO	General Specifications for Overhaul of Surface Ships
H	High
H/F	Headboard/Footboard of Berth Unit
HAZ	Hazardous
HB	Hose Bib
HD	Head (Bolt)
HD	Hundred/One Hundred
HDBK	Handbook
HDW	Hardware
HEX	Hexagon
HEX HD	Hexagonal Head
HGR	Hanger
HGT	Height
HI	High
HL	Hand Lantern
HNG	Hanger/Hanging
HNYCMB	Honeycomb
HORIZ	Horizontal
HOSP	Hospital
HP	High Pressure
HP	Horsepower
HPPL	High pressure plastic laminate
HPT	High Point
HPW	Hot Potable Water, hot drinking water
HQ	Headquarters
HR	Hot Rolled
HR	Hour
HSLA	High Strength Low Alloy Steel
HSS	Higher Strength Steel (in MIL-STD-1689)
HT	Height
HTG	Heating
HTR	Heater
HTS	High Tensile Strength Steel
HVAC	Heating, Ventilation, and Air Conditioning
I	Install related to weight and moment
IAF	Installing Activity Furnished
IAW	In Accordance With
IB	Inner Bottom
IB	Ironing Board
IC	Integrated Circuit
IC	Interior Communication
ICBM	Intercontinental Ballistic Missile
ICU	Intensive-care Unit

Abbreviations on Navy Ship Design Drawings

ID	Inside Diameter
ID NO	Identification Number
IDEA	IDEA CAD Standard (Aircraft Carrier Integrated Design Engineering Activity Manual)
IE	In Exemplar
IGE	Independent Government Estimate
ILS	Integrated Logistic Support
IMF	Intermediate Maintenance Facility
INBD	Inboard (Direction)
INS	Insulation
INSTL	Install/Installation
INSUL	Insulation (Alternate Abbreviation)
INTCL	Intercostal
IPS	Iron Pipe Size (Used interchangeably with NPS)
ISLN	Isolation
IWO	In Way Of
J BHD	Joiner Bulkhead
JB	Joiner Bulkhead (Alternate Abbreviation)
JBFT	Joiner Bulkhead Fume Tight
JO	Joiner
JP	Jet Propulsion Fuel, as in JP-5
KT	Kit
KTR	Contractor
L	Long
LAV	Lavatory
LC	Load Ceneter
LCG	Longitudinal position of Center of Gravity
LCKR	Locker (Alternate Abbreviation, LKR is preferred)
LCP	Load Center Panel
LCTN	Location
LDP	Lighting Distribution Panel
LF	Linear Feet
LG	Length
LG	Long (Alternate Abbreviation)
LH	Left Hand
LKG	Looking
LKR	Locker
LM	List of Material
LOC	Locate
LONG.	Longitudinal
LSDHOF-3	See MIL-HDBK-299

Abbreviations on Navy Ship Design Drawings

LSFSGU	See MIL-HDBK-299
LSTHOF-3	See MIL-HDBK-299
LSTSGU	See MIL-HDBK-299
LT (S)	Light (s)
LTG	Lighting
LVL	Level
LW	Lightweight
LWMB	Lightweight Modular Berth
MACHY	Machinery
MARMC	Mid-Atlantic Regional Maintenance Center
MATL	Material
MAX	Maximum
MCM	Mine Countermeasures Ship
MCM	Thousand Circular Mils, unit of cross sectional area for conductors
MCT	Multi Cable Transit
MDRL	Mandrel
MED	Medium
MET J BHD	Metal Joiner Bulkhead
MF	Make From
MFG	Manufacturing
MFGR	Manufacturer
MIC	Material Identification Code (Subsafe quality designation)
MIL	Military
MIL-HDBK	Military Handbook
MIN	Minimum
MIR	Mirror
MJ	Metal Joiner
MJ BHD	Metal Joiner Bulkhead (Alternate Abbreviation)
MJB	Metal Joiner Bulkhead (Alternate Abbreviation)
MLD	Mild
mm	Millimeter
MN DK	Main Deck
MOD	Modification/Modified/Modify
MP	Mid Point
MPT	Male Pipe Thread
MSB	Male Sil-Braze
MTG	Mounting
MTHRD	Male Threaded
MTL	Material
NA	Not Applicable
NAVSEA	Naval Sea Systems Command

Abbreviations on Navy Ship Design Drawings

NC	Normally Closed
NC	Numerical Control
NCA	Nickel Copper Alloy
NDI	Nondestructive Inspection
NDT	Nondestructive Testing
NEALS	New Emergency Automatic Lighting System
NEG	Negative
NF	National Fine
NFL	Navy Standard Flange
NI SIL	Nickel Silver
NICU	Nickel Copper
NIIN	The 9 Unique Characters at the End of an NSN
NKL	Nickel
NNSY	Norfolk Naval Shipyard
NO	Normally Open
NOFORN	Similar to Classified
NPL	Nameplate
NPS	Nominal Pipe Size (Used interchangeably with IPS)
NPT	National Taper Pipe (Thread) for IPS or NPS
NPT	Taper Pipe Thread
NS	Normally Shut
NSN	National Stock Number
NSTM	Naval Ships Technical Manual
NT	Nontight
OBA	Oxygen Breathing Apparatus
OD	Outside Diameter
OPNAV	Office of the Chief of Naval Operations
OS	Ordinary Steel (MIL-STD-1689)
OUTBD	Outboard (Direction)
OVHD	Overhead
P	Port
PC	Piece, Piece Number
PCB	Polychlorinated Biphenyl
PD	Pressure Detector
PD or 2PD	Type of Electro-mechanical Thermostat
PG	Package
PKG	Package (Alternate Abbreviation)
PL	Places
PL	Plate
PLATF	Platform (A non-continuous deck below the main deck, numbers beginning below the lowest continuous deck)

Abbreviations on Navy Ship Design Drawings

PLC	Programmable Logic Controller
PLD	Plated
PLTD	Plated (Alternate Abbreviation)
PN	Part Number
PNL	Panel
POC	Point Of Contact
PPI	Plan/Pictorial Position Indicator
PSI	Pounds per Square Inch
PSIG	Pound-force per square inch gauge
PSNS	Puget Sound Naval Shipyard
PT	Part
PTN	Partition
PVC	Polyvinyl Chloride
QPD	Qualified Product Database (See Qualification on ASSIST Quicksearch)
QPL	Qualified Product List (See QPD)
R	Recirc/Recirculation (In vent system designation)
R	Remove
R	Reused or Relocated
R/O	Rip Out
R/R	Retain and Reconnect
R/W	Red/White Light
RBR	Rubber
RC	Radius Corner
RCC	Request Cost Change
RCN	Recreation
RCPT	Receptacle
RECIRC	Recirculate
REF	Refer/Reference
REFR	Refrigerator
REG	Regular
REQD	Required
REQN	Requisition
RET	Retain
REV	Revision
RF	Radio Frequency
RFP	Request for Proposal
RFQ	Request for Quote
RH	Right Hand
RHR	Reheater
RM	Remove Mechanical Equipment
RM	Room
RMC	Regional Maintenance Center
RMVL	Removal
RND	Round

Abbreviations on Navy Ship Design Drawings

RO	Roll
ROG	Remote Operating Gear
RP	Remove Pipe
RQD	Required
RTN	Retain
RV	Relief Valve
S	Scrap
S	Starboard
S	Supply (In vent system designation)
S/A	ShipAlt
SAE	Society of Automotive Engineers
SAN	Sanitary
SB	Sil-Braze
SBM	Submersible
SBS	Ship Building Specialist
SC LKR	Soiled Clothes Locker
SCBA	Self Contained Breathing Apparatus
SCE	Source
SCHED	Schedule
SD	Shower Drain
SDN	Commercial Cable Designation SDN
SEMS	Commercial Heavy Duty Oversized Cupped Captive Washer
SERV	Service
SF	Square Feet
SH	Shower
SHIPALT	Ship Alteration
SHIPCK	Ship Check
SHR	Shower (Alternate Abbreviation)
SHT	Sheet
SI	International System of Units
SID	Ship Installation Drawing
SIL	Silver
SIM	Similar to
SJT	Commercial Cable Designation SJT
SMLS	Seamless
SP	Space
SPCG	Spacing
SPEC	Specification
SPKR	Speaker
SPLY	Supply
SPRT	Support
SQ	Square
SS	Service Sink
SS	Sleeping Surfaces
SSPC	Coatings Organization

Abbreviations on Navy Ship Design Drawings

SST	Stainless Steel
ST	Set
STA	Station
STBD	Starboard
STD	Standard
STGR	Stringer
STIF	Stiffener
STILE	Word for Door Side Support
STL	Steel
STMT	Statement
STNCO	Senior Troop Non-Commissioned Officer
STOCKLIST	See APP from Ryerson.com
STR	Structure/Structural
STRUCT	Structure (Alternate Abbreviation)
STWG	Subassembly
SUPERVISOR	Maintenance Team, successor to Supervisor of Shipbuilding, Conversion and Repair
SUPSHIP	Supervisor of Shipbuilding, Conversion and Repair
SVT	Commercial Cable Designation SVT
SYM	Symbol (See MIL-HDBK-290)
SYM	Symmetrical
SYS	System
SZ	Size
T	Tee
T3	LSTSGU-3 or TWX-3
TBD	To Be Determined
TCG	Transverse Center Gravity
TE	Totally Enclosed
TERM	Terminal
THK	Thick
THRD	Threaded
THRU	Through
TM	Technical manual
TRANSV	Transverse
TRK	Trunk
TRP	Troop
TUR	Turret
TV	Television
TXTL	Textile
TY	Type
TYP	Typical
UESB	Union End Sil-Braze
UHF	Ultra High Frequency
UI	Unit of Issue

Abbreviations on Navy Ship Design Drawings

UIC	Unit Identification Code
UNC	Unified Course Thread
UNCLAS	Unclassified
UNF	Unified Fine Thread
UNK	Unknown
UNTHD	Unthreaded
UOI	Unless Otherwise Indicated
UPHOLST	Upholstery
UPS	Uninterrupted Power Supply
USN	United States Navy
USS	United States Ship
V	Valve
VCG	Vertical location of the Center of Gravity
VCHT	Vacuum Collection, Holding, and Transfer (System)
VDC	Direct Current Volts
VDC	Volts Direct Current
VERT	Vertical
VIV	Vacuum Interface Valve
VL	Vertical Ladder
VT	Vent
W	Wide Flange Beam
W	Width
W/	With
WDRB	Wardrobe
Welding Symbols	See MIL-STD-22 or AWS A2.4
WHT	White
WR	Washroom
WT	Watertight
WT	Weight
WTGRP	Weight Group
XI	Load Item Installed
XR	Load Item Removed