# STANDARD PLANS FOR WEAPONS SURVEILLANCE WORKSHOP

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## ABBREVIATIONS

| | |
|---|---|
| AAV | AUTOMATIC AIR VENT |
| AMP | AMPERE |
| A/C | AIR CONDITIONING |
| ACOUST | ACOUSTICAL |
| ALUM | ALUMINUM |
| APPROX | APPROXIMATE |
| ASME | AMERICAN SOCIETY OF MECHANICAL ENGINEERS |
| ASPH | ASPHALT |
| BD | BOARD |
| BLDG | BUILDING |
| BTU | BRITISH THERMAL UNIT |
| C | CONDUIT |
| CA | COMPRESSED AIR |
| CAP | CAPACITY |
| CD | CEILING DIFFUSER |
| CE | CORPS OF ENGINEERS |
| CFM | CUBIC FEET PER MINUTE |
| CHKD | CHECKERED |
| CIRC | CIRCULATING |
| CKT | CIRCUIT |
| CLJ | CONTROL JOINT |
| CO | CLEANOUT |
| COMP | COMPRESSOR |
| CONC | CONCRETE |
| CONT | CONTINUOUS |
| CORR | CORRIDOR |
| CTRS | CENTERS |
| CSK | COUNTERSINK |
| CU | CUBIC |
| CV | CHECK VALVE |
| CW | COLD WATER |
| CY | CYCLE |
| DB | DRY BULB |
| DET | DETAIL |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DWD | DRINKING WATER DISPENSER |
| DWG | DRAWING |
| EA | EACH |
| ELEV | ELEVATION |
| EVAC | EVACUATION |
| EXP | EXPANSION |
| EXH | EXHAUST |
| EXT | EXTERIOR |
| FD | FLOOR DRAIN |
| FHMS | FLAT HEAD MACHINE SCREW |
| FIN | FINISH |
| FL | FLOOR |
| FT | FEET |
| FTG | FOOTING |
| GA | GAGE |
| GAL | GALLON |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| GYP | GYPSUM |
| HD | HEAD |
| HGT | HEIGHT |
| HORIZ | HORIZONTAL |
| HP | HORSEPOWER |
| HTR | HEATER |
| HW | HARDWARE |
| HW | HOT WATER |
| IBR | INSTITUTE OF BOILER AND RADIATOR MANUFACTURERS |
| INSUL | INSULATION |
| INT | INTERIOR |
| JT | JOINT |
| LAV | LAVORATORY |
| LG | LONG |
| MACH | MACHINE |
| MATL | MATERIAL |
| MAX | MAXIMUM |
| MECH | MECHANICAL |
| MFR | MANUFACTURER |
| MIN | MINIMUM |
| MU | MASONRY UNITS |
| NBF | NATIONAL BOARD OF FIRE UNDERWRITERS |
| NO | NUMBER |
| OC | ON CENTER |
| OPNG | OPENING |
| PEJ | PREMOLDED EXPANSION JOINT |
| PR | PAIR |
| PREFIN | PREFINISHED |
| PRESS | PRESSURE |
| PSIG | POUNDS PER SQUARE INCH GAGE |
| RECP | RECEPTACLE |
| REINF | REINFORCING |
| REQ'D | REQUIRED |
| RM | ROOM |
| SBTU | SENSIBLE BRITISH THERMAL UNIT |
| SCHED | SCHEDULE |
| SH | SHEET |
| SP | STATIC PRESSURE |
| SS | SERVICE SINK |
| STD | STANDARD |
| STL | STEEL |
| TEMP | TEMPERATURE |
| THK | THICK |
| THRU | THROUGH |
| TRANS | TRANSFORMER |
| TYP | TYPICAL |
| UR | URINAL |
| V | VEHICULAR |
| W | WIDE |
| W | WIRE OR WATT |
| W/ | WITH |
| WB | WET BULB |
| WC | WATER CLOSET |
| WWF | WELDED WIRE FABRIC |

## MATERIAL INDICATIONS

- MASONRY UNITS
- CONCRETE
- SAND
- DRAINAGE FILL
- EARTH
- WOOD
- METAL
- RIGID INSULATION
- GYPSUM BOARD
- ACOUSTIC TILE
- FIBERBOARD INSULATION

## STRUCTURAL SYMBOLS

| | |
|---|---|
| W | WIDE FLANGE SECTION |
| C | CHANNEL |
| L | ANGLE |
| PL | PLATE |
| @ | AT |
| □" | SQUARE INCH |
| ℄ | CENTER LINE |
| # | POUNDS OR NUMBER |
| & | AND |

## ELECTRICAL SYMBOLS

CEILING WALL

- OUTLET
- JUNCTION BOX
- THERMOSTAT
- OUTLET FOR FLUORESCENT
- MOTOR, SIZE INDICATED
- DUPLEX CONVENIENCE OUTLET
- DUPLEX RECEPTACLE INSTALLED ON SURFACE OF METAL RACEWAY. LENGTH OF RACEWAY SHALL EXTEND FULL WIDTH OF WORK BENCHES AND SHALL BE ARRANGED TO FACILITATE THE INSTALLATION OF ADDITIONAL RECEPTACLES.
- PUSH BUTTON
- HORN
- TELEPHONE OUTLET
- LIGHTING AND POWER PANEL
- PUSH BUTTON STATION - OPEN-CLOSE-STOP
- MOTOR CONTROLLER
- DISCONNECT SWITCH
- S SINGLE POLE SWITCH
- BRANCH CIRCUIT; CONCEALED IN CEILING OR WALL
- UF BRANCH CIRCUIT; CONCEALED IN FLOOR
- UG BRANCH CIRCUIT; RUN UNDERGROUND
- BRANCH CIRCUIT- EXPOSED
- FEEDER (HEAVY LINES)
- HOME RUN TO PANEL BOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CIRCUIT NUMBER IS PRECEDED BY THE PANEL NUMBER. EXAMPLE: CKT NO. 2 OF PANEL "LP1" IS SHOWN LP1-2. NOTE: ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT, A GREATER NUMBER OF WIRES IS INDICATED AS FOLLOWS: #### (3 WIRES), #### (4 WIRES)
- EMERGENCY LIGHT WITH ONE SEALED BEAM FIXTURE
- EMERGENCY LIGHT WITH TWO SEALED BEAM FIXTURES

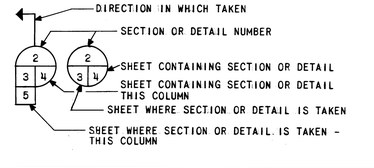
## HEATING & AIR CONDITIONING SYMBOLS

| | |
|---|---|
| —HWHS— | HOT WATER HEATING SUPPLY |
| —HWHR— | HOT WATER HEATING RETURN |
| —FOS— | FUEL OIL SUPPLY |
| —FOR— | FUEL OIL RETURN |
| —FOV— | FUEL OIL VENT |
| | GATE VALVE |
| | CHECK VALVE |
| | GLOBE VALVE |
| | SELF CONTAINED REGULATOR VALVE |
| | RELIEF VALVE |
| | MOTORIZED 3-WAY VALVE |
| | BALANCING COCK |
| | STRAINER |
| | UNION |
| T | LOCAL THERMOMETER |
| P | LOCAL PRESSURE GAUGE |
| RT | ROOM THERMOSTAT |

## PLUMBING SYMBOLS

| | |
|---|---|
| ———— | SOIL OR WASTE ABOVE GRADE |
| — — — | SOIL OR WASTE BELOW GRADE |
| - - - - - | VENT PIPE |
| — - — | COLD WATER |
| — - - — | HOT WATER |
| — A — | COMPRESSED AIR |

## SECTION OR DETAIL INDICATION




| SYMBOL | DESCRIPTION | DATE | APPROVAL |
|---|---|---|---|
| | | | |

REVISIONS

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DATE: 26 APRIL 1965
APPROVED FOR:
DATE:

WEAPONS SURVEILLANCE WORKSHOP

TITLE SHEET

SCALE: NONE
SPEC. NO. 35-69-06-65-CE
DRAWING NUMBER
SHEET 1 OF 18
35-69-06

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