LIST OF SYMBOLS

- LOOSE JUMPER TYPE STOPCOCK
- GATE VALVE
- STORAGE CISTERN
- FLOAT SWITCH
- BALL VALVE / FLOAT OPERATED VALVE
- NON-RETURN VALVE / CHECK VALVE
- WATER METER
- DRAW OFF POINTS - COLD WATER
- DRAW OFF POINTS - HOT WATER
- DRAW OFF POINT - COLD & HOT WATER
- WASHOUT PIPE
- OVERFLOW PIPE
- PUMP SET
- CALORIFIER
- BOILER
SINK

FLUSHING CISTERN & WATER CLOSET

CHECK METER POSITION (FOR CHECKING AND WASTE DETECTION PURPOSES)

INSTANTANEOUS GAS WATER HEATER

PRESSURE REDUCING VALVE (SMALL END DENOTES LOW PRESSURE)

PRESSURE RELIEF VALVE / SAFETY VALVE

TEMPERATURE RELIEF VALVE

COMBINED TEMPERATURE AND PRESSURE RELIEF VALVE

ANTI-VACUUM VALVE

EXPANSION VESSEL

BUTTERFLY VALVE

UNVENTED ELECTRIC THERMAL STORAGE WATER HEATER

PRESSURE TYPE THERMAL STORAGE WATER HEATER

NON-PRESSURE TYPE HEATER
THE CONNECTION TO THE MAIN ARE MAINTAINED BY THE WATER AUTHORITY

INSIDE SERVICE UNDER MAINTENANCE RESPONSIBILITY OF AGENT

INSIDE SERVICE UNDER MAINTENANCE RESPONSIBILITY OF INDIVIDUAL CONSUMERS

LOT BOUNDARY

GOVERNMENT LAND ←→ BUILDING LOT

CONTROL VALVE

BOUNDARY VALVE

WATER METER IS SUPPLIED AND MAINTAINED BY THE WATER AUTHORITY (THE INDIVIDUAL CONSUMER IS RESPONSIBLE FOR THE SAFE CUSTODY OF THE METER)

CONNECTION TO THE MAIN

INSIDE SERVICE

NOTE:


AREAS OF RESPONSIBILITY OF WATER AUTHORITY/AGENT/CONSUMERS (DIRECT SUPPLY SYSTEM)

FIG. 1
THE CONNECTION TO THE MAIN ARE MAINTAINED BY THE WATER AUTHORITY

INSIDE SERVICE UNDER MAINTENANCE RESPONSIBILITY OF AGENT

INSIDE SERVICE UNDER MAINTENANCE RESPONSIBILITY OF INDIVIDUAL CONSUMERS

LOT BOUNDARY

GOVERNMENT LAND ↔ BUILDING LOT

PUMPS

WATER METER IS SUPPLIED AND MAINTAINED BY THE WATER AUTHORITY (THE INDIVIDUAL CONSUMER IS RESPONSIBLE FOR THE SAFE CUSTODY OF THE METER)

AREAS OF RESPONSIBILITY OF WATER AUTHORITY/AGENT/CONSUMERS
(INDIRECT SUPPLY SYSTEM)
LOT BOUNDARY

GOVERNMENT MAIN

WITHOUT STORAGE TANK

LOT BOUNDARY

GOVERNMENT MAIN

N.B. THE CHECK METER POSITION IS PROVIDED FOR CHECKING LEAKAGE AND CONSUMPTION.

WITH STORAGE TANK

DIRECT SUPPLY SYSTEM

FIG. 5
INSTANTANEOUS GAS WATER HEATER
CONNECTED DIRECTLY TO MAINS SUPPLY

INSTANTANEOUS GAS WATER HEATER
CONNECTED INDIRECTLY TO MAINS SUPPLY

INSTANTANEOUS GAS WATER HEATER

FIG. 9
LEGEND:

- - - - OPTIONAL

NOTES:

1. THE FACTORY TEST PRESSURE OF THE HEATER SHALL BE IN EXCESS OF 1.5 TIMES THE MAXIMUM STATIC PRESSURE AT THE MAINS WATER SUPPLY POINT.

2. A COMBINED TEMPERATURE AND PRESSURE RELIEF VALVE (OPTION 2) MAY BE USED IN LIEU OF A TEMPERATURE RELIEF VALVE AND A PRESSURE RELIEF VALVE (OPTION 1).

3. THE SAFETY DEVICES ARE UNDER THE CONTROL OF THE ELECTRICAL PRODUCTS (SAFETY) REGULATION ADMINISTERED BY THE ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT.

4. EXPANSION VESSEL IS ONLY REQUIRED WHEN A NON-RETURN VALVE OR A PRESSURE REDUCING VALVE OF THE NON-BACKFLOW TYPE IS FITTED IN THE COLD WATER INLET.

LAYOUT OF UNVENTED ELECTRIC THERMAL STORAGE TYPE WATER HEATER

FIG. 10
ESSENTIAL COMPONENTS OF A PRESSURE TYPE THERMAL STORAGE WATER HEATER

NOTE: THIS TYPE OF HEATER SHALL BE SUPPLIED FROM A STORAGE CISTERN, EXCEPT IT IS INSTALLED IN FLATS SUPPLIED THROUGH THE INDIRECT OR SUMP AND PUMP SYSTEM.

PRESSURE TYPE THERMAL STORAGE WATER HEATER
ESSENTIAL COMPONENT OF A CALORIFIER

INDIRECT CENTRALISED HOT WATER SYSTEM
DIRECT SALT WATER FLUSHING SUPPLY SYSTEM

INDIRECT SALT WATER FLUSHING SUPPLY SYSTEM

SALT WATER FLUSHING SUPPLY SYSTEM
NOTES:

1. VOLUME BELOW LEVEL 'X' FOR MAINS FRESH WATER STORAGE SHALL BE APPROVED BY WATER AUTHORITY.

2. OVERFLOW SHALL BE TWICE THE DIAMETER OF LARGEST INLET OR 40mm DIAMETER WHICHEVER BE THE GREATER.

3. MATERIALS USED SHALL BE CAPABLE OF WITHSTANDING THE CORROSIVE ACTION OF SALT WATER.

4. THIS DRAWING IS EXTRACTED FROM W1543/5B.

FLUSHING SUPPLY STORAGE CISTERN – MIXED SUPPLY

(NOT TO SCALE)
LAYOUT DRAWING FOR SPRINKLER SYSTEM
LAYOUT DRAWING FOR IMPROVISED SPRINKLER SYSTEM