水 務 署
Water Supplies Department

香港灣仔告士打道七號入境事務大樓
Immigration Tower, 7 Gloucester Road, Hong Kong.

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檔　號 *Reference* (2) in WSD 3318/50 Pt. 11 T/J (2)

致：所有持牌水喉匠及認可人士

水務署通函第5/2026號
《樓宇水管工程技術要求》及《供水申請指引》的修訂

本通函公布《樓宇水管工程技術要求》及《供水申請指引》的修訂。

修訂

2. 水務署已修訂《樓宇水管工程技術要求》的第3.1.5節及圖則（只提供英文版），以及新增一圖則（只提供英文版）；而《供水申請指引》附錄1(1) 內的第3.1.5項亦已修訂，詳情分別列載於**附錄一**及**附錄二**。

生效日期

3. 上述更新將即時生效。

查詢

4. 如有疑問，請致電2829 4726向本署的工程師／技術支援(3)查詢。

水務監督

(原文已簽署)

（吳華堅　　代行）

二零二六年六月三十日
附件

副本存：
房屋署 (經辦人: 高級經理/品質管理)
屋宇署
建築署
消防處
香港房屋協會
香港建築師學會
香港工程師學會
香港測量師學會
英國特許水務工程師學會—香港分會
香港水喉潔具業商會有限公司
香港持牌水務專業學會
香港水務專業協會有限公司
香港給排水學會有限公司
水務技術同學會
香港註冊消防工程公司商會有限公司
香港地產建設商會
香港建造商會有限公司
香港建築業承建商聯會有限公司
香港機電工程商聯會
承建商授權簽署人協會有限公司
註冊小型工程承建商簽署人協會有限公司
香港註冊承建商商會有限公司
香港專業教育學院
建造業議會香港建造學院
香港持牌水喉匠總會有限公司
香港都會大學李嘉誠專業進修學院
機電工程協會(香港)有限公司
管藝坊(國際)有限公司
香港水務安全學會
香港喉管從業員總會

WSD 3318/15/8

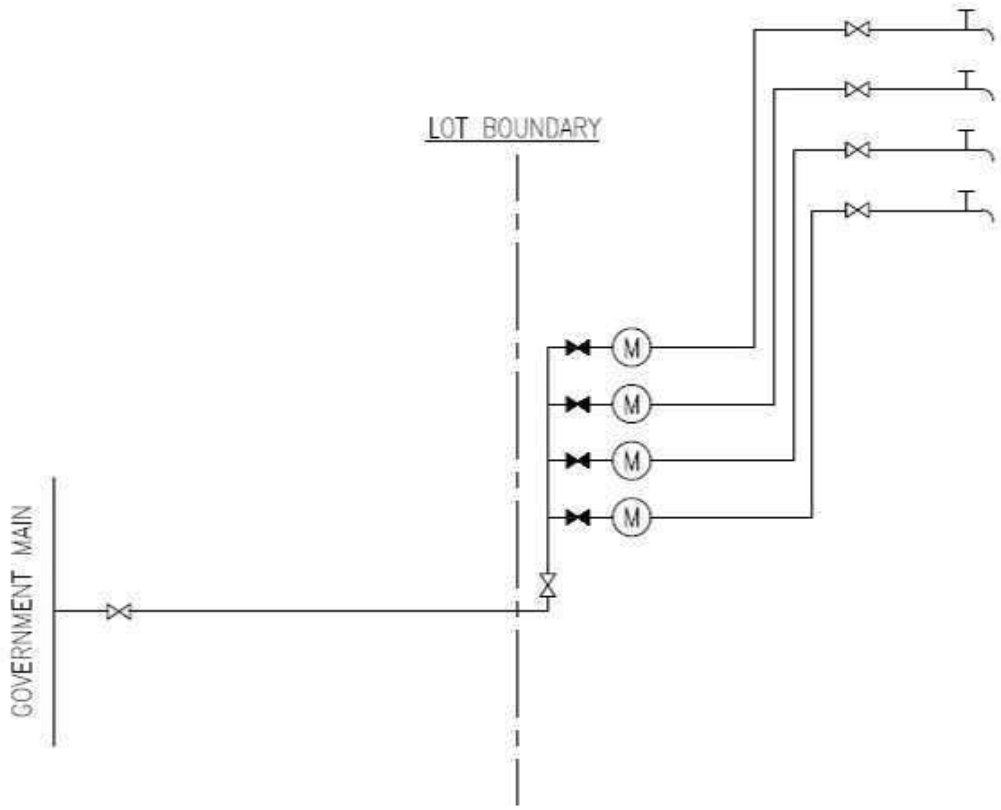
#3.1.5 若有關水錶設於天台而~~系統水壓低~~蓄水池出口與取水點之間的壓力差小於 15 米，水錶位前須安裝全通閘閥而非活皮心水掣。

圖則一覽表 (本列表僅包括根據水務署通函第5/2026號修訂的圖則)

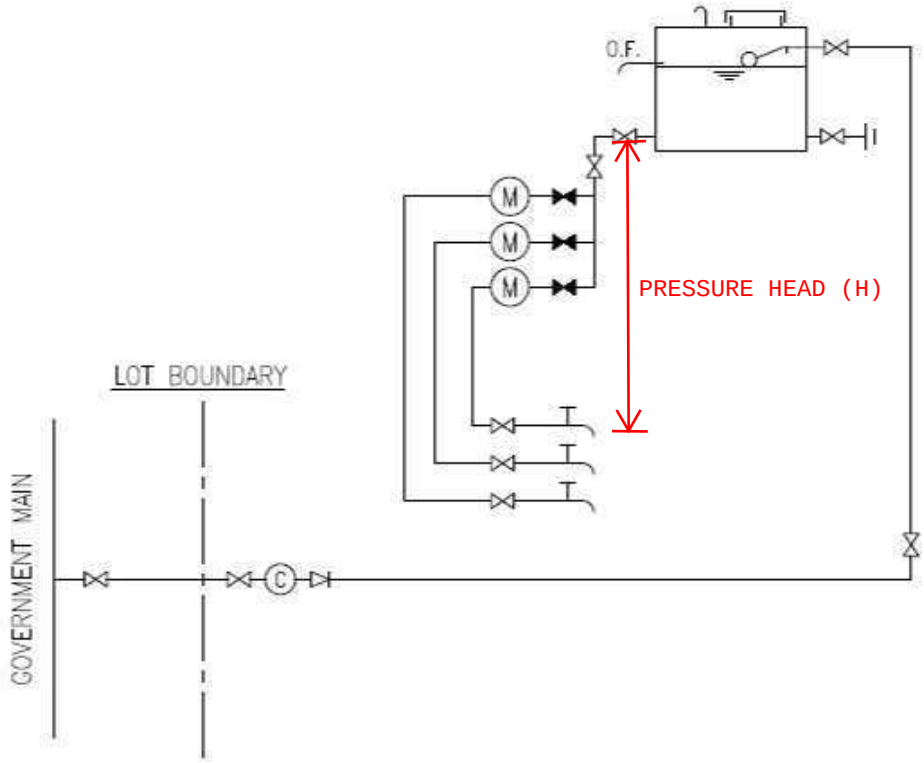
圖則編號	圖則名稱
圖 5	直接 / 間接供水系統
圖 6	間接供水系統
圖 6A	清洗系統示意圖~~（類型I）~~（經水箱供水）
圖 6D	運水煙罩循環系統示意圖（二 之 二）
圖 7	非壓力式熱水器 （二 之 一）
圖 7A	非壓力式熱水器（二 之二）
圖 8	貯水箱式熱水器
圖 9	即熱式氣體熱水器
圖 10	無排氣管貯水式電熱水器示意圖
圖 11	壓力貯水式熱水器 （排氣式熱水器）
圖 14	沖廁鹹水供水系統
圖 17	折衷式噴灑系統~~設計~~示意圖
圖 18	消防龍頭 / 喉轆系統~~設計~~示意圖
圖 21	街道消防龍頭系統示意圖
圖 22	減壓閥示意圖
圖 24	多幢式發展的總水錶房與分支水錶井的~~典型~~一般配置
圖 27	~~更新的~~總水錶房佈置(五 之 二)

附錄一

圖則編號	圖則名稱
圖 28	~~更新的~~總水錶房佈置(五 之 三)
圖 31	總水錶箱和櫃的細節
圖 32	分支水錶箱與櫃的細節
圖 38	由儲水缸供水而設有取水點設置的熱水罇或飲水器
圖 39	連接內部供水系統的熱水罇或飲水器 (使用雙止回閥)
圖 43	測壓點的細節
圖 43A	測壓點凸緣的細節
圖 44	折衷式消防喉轆系統示意圖



DIRECT SUPPLY (WITHOUT STORAGE TANK)



INDIRECT SUPPLY SYSTEM (THROUGH STORAGE TANK)

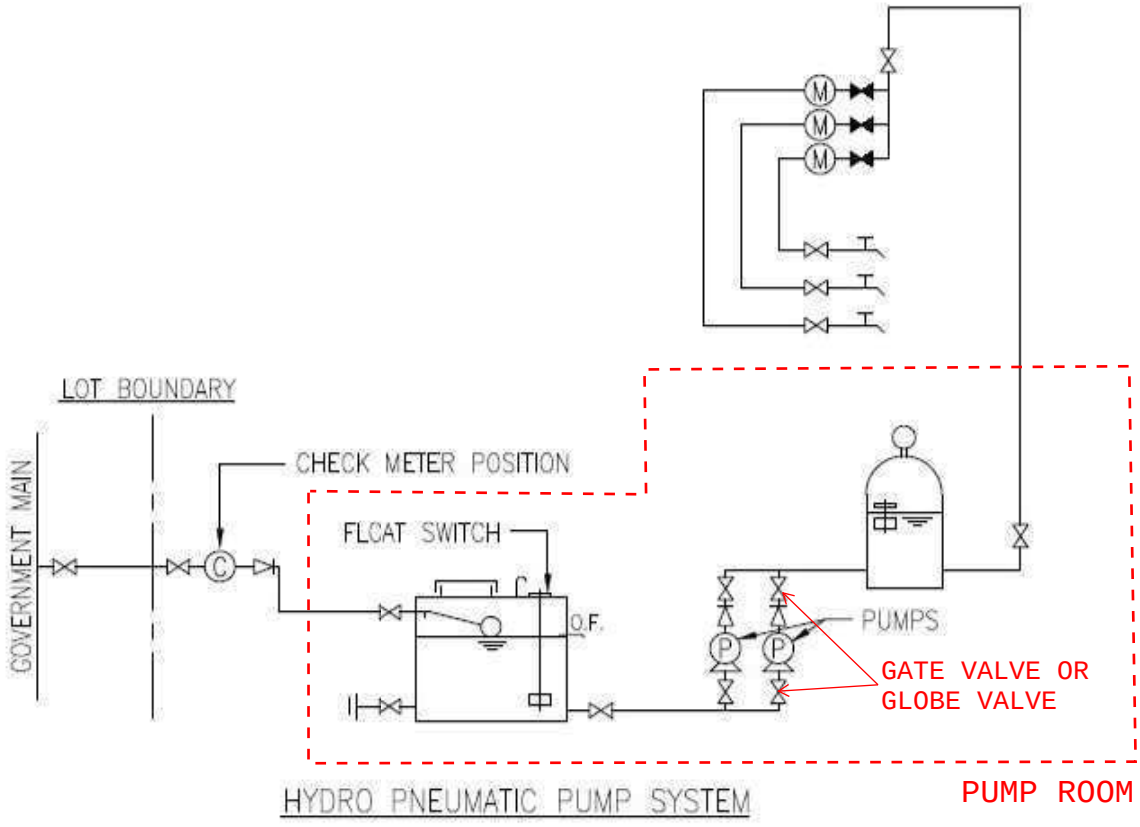
NOTES:

HEAD (H) BETWEEN THE OUTLET LEVEL OF THE WATER TANK AND THE DRAW-OFF POINT

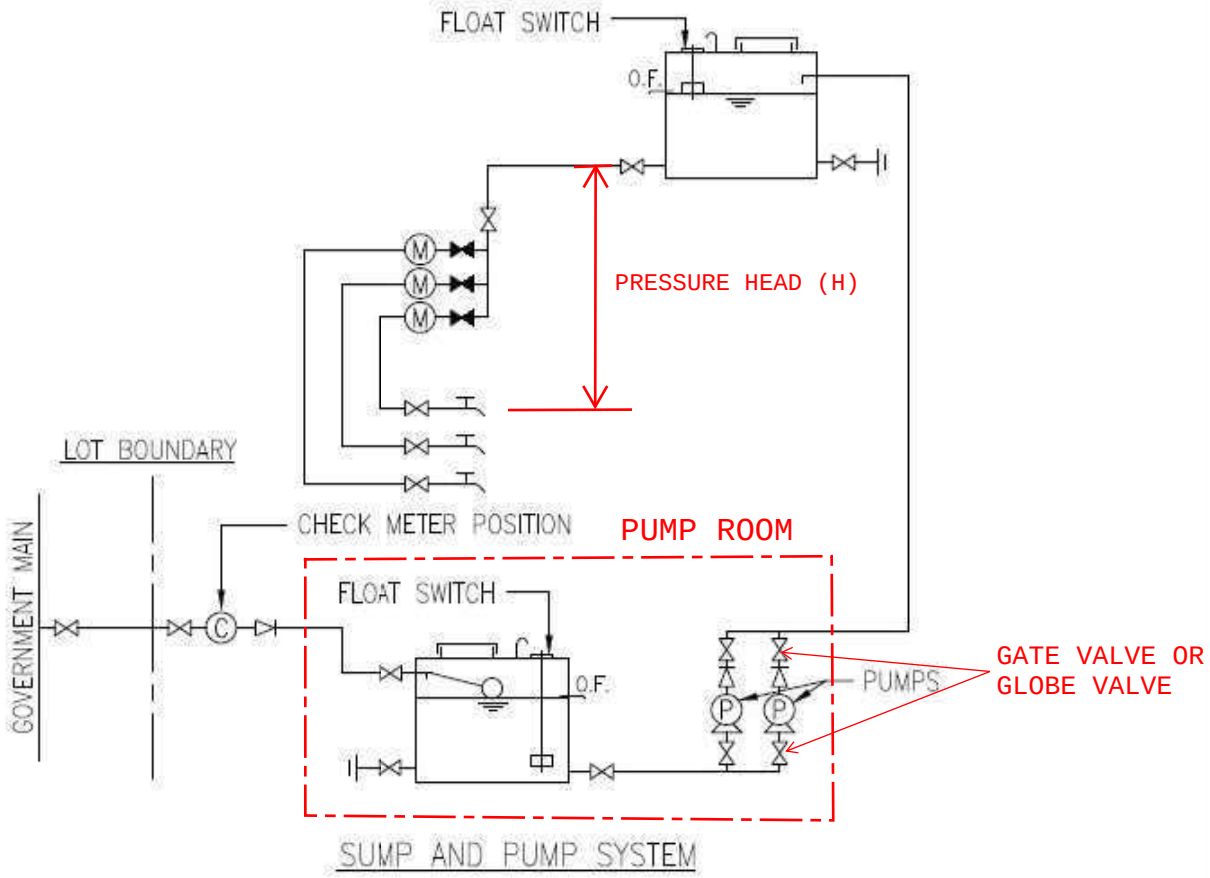
1. IN CASE THE METERS ARE SITED AT ROOF LEVEL AND THE ~~SYSTEM~~ PRESSURE IS LESS THAN 15M, FULLWAY GATE VALVES INSTEAD OF LOOSE JUMPER STOPCOCKS SHALL BE FITTED BEFORE METER POSITIONS.

FIG. 5

A4 210x297



HYDRO PNEUMATIC PUMP SYSTEM



SUMP AND PUMP SYSTEM

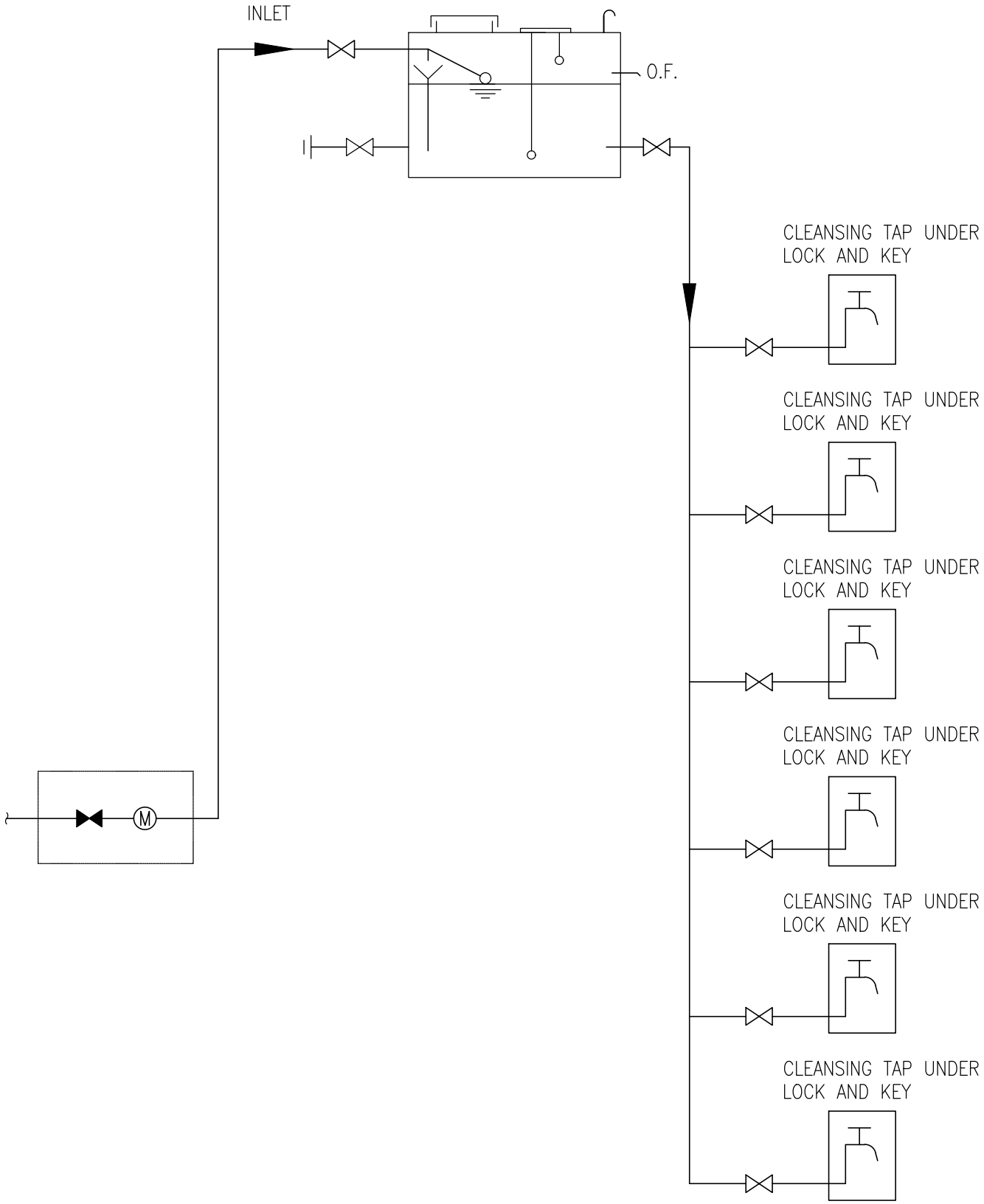
INDIRECT SUPPLY SYSTEM

NOTES:

HEAD (H) BETWEEN THE OUTLET LEVEL OF THE WATER TANK AND THE DRAW-OFF POINT

1. IN CASE THE METERS ARE SITED AT ROOF LEVEL AND THE ~~SYSTEM~~ PRESSURE IS LESS THAN 15M, FULLWAY GATE VALVES INSTEAD OF LOOSE JUMPER STOPCOCKS SHALL BE FITTED BEFORE METER POSITIONS.

FIG. 6



(OFF-TANK SUPPLY)

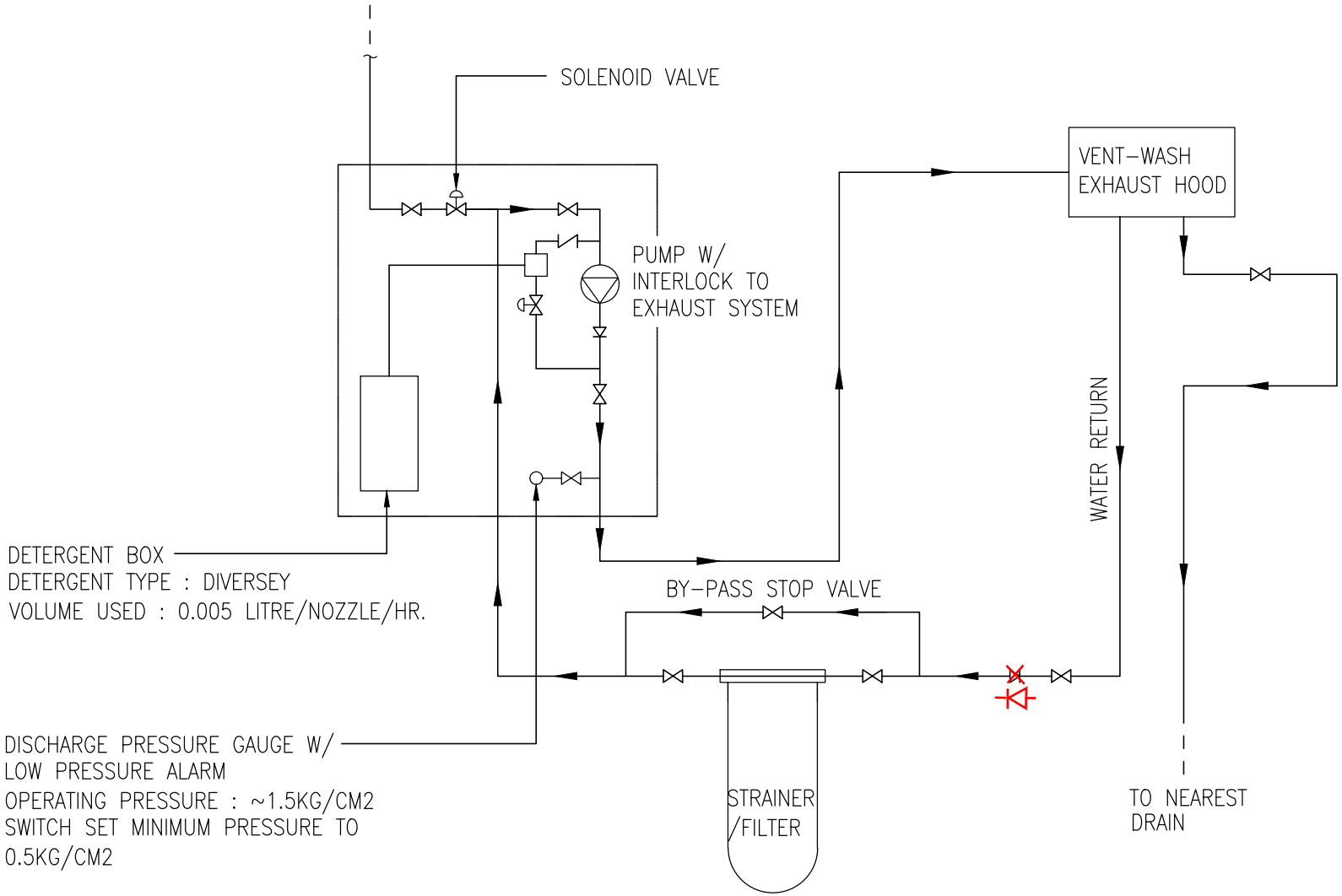
SCHEMATIC DIAGRAM FOR CLEANSING ~~(TYPE I)~~

FIG. 6A

A4 210x297

G17-267_01_rev1.dwg

A4 210x297

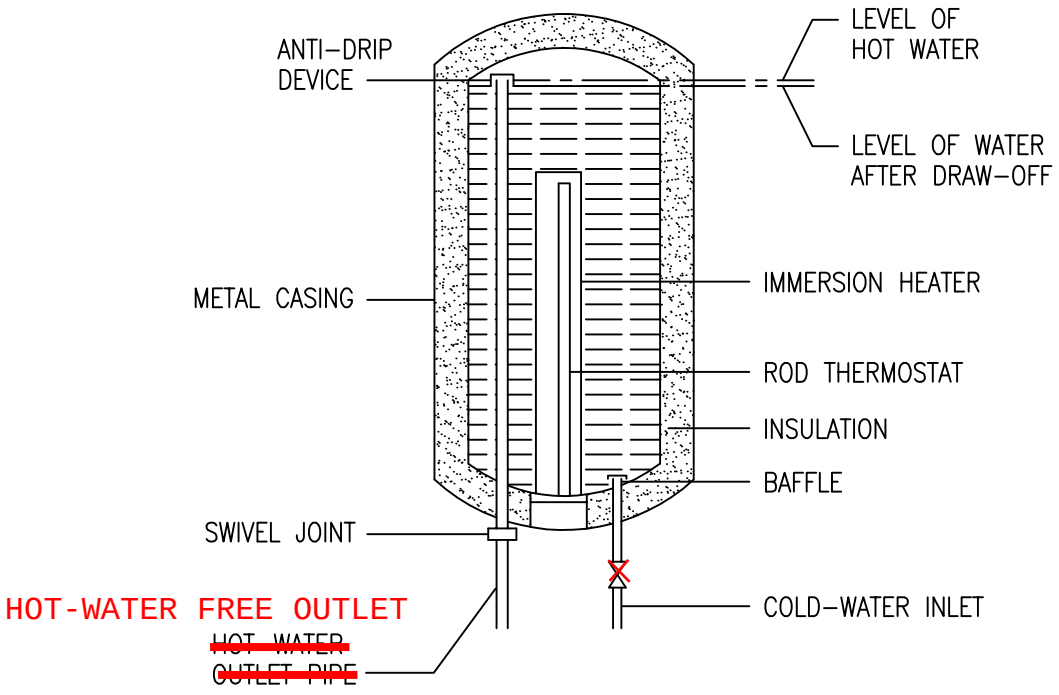


SCHEMATIC LAYOUT OF HYDRO–VENT RE–CIRCULATION SYSTEM

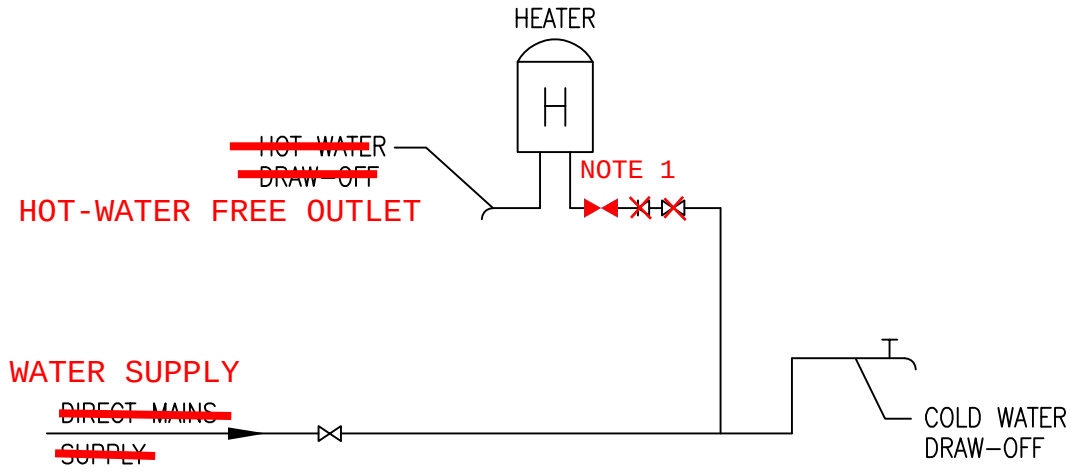
(SHEET 2 OF 2)

REFERENCE ONLY AND THE DETAIL ARRANGEMENT SHALL BE SUBJECTED TO INDIVIDUAL DESIGN

FIG. 6D



ESSENTIAL COMPONENTS OF A NON–PRESSURE TYPE HEATER



SCHEMATIC DIAGRAM ~~LAYOUT~~ OF A NON–PRESSURE TYPE HEATER ~~DISPENSER~~

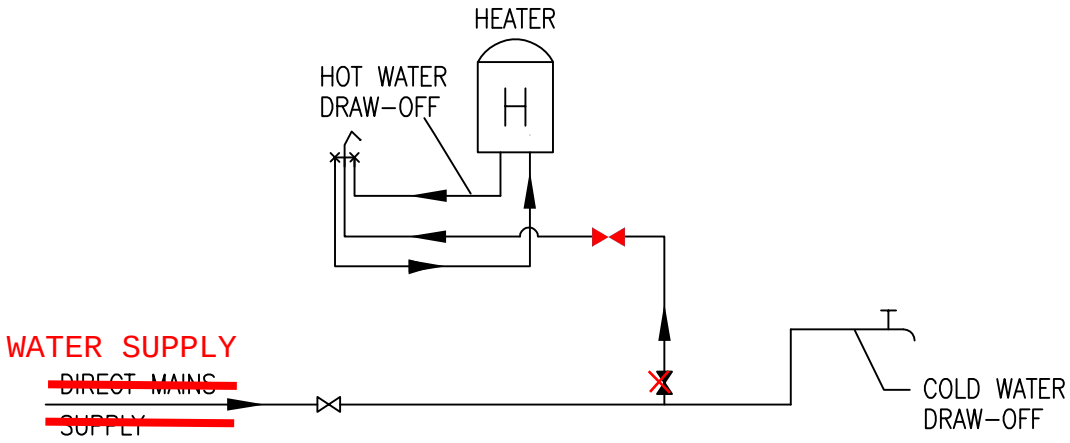
NON–PRESSURE TYPE HEATER ~~/ DISPENSER~~ (SHEET 1 OF 2)

NOTE 1 : A LOOSE JUMPER TYPE STOPCOCK SHALL BE FITTED ON THE INLET OF THE WATER HEATER IF IT IS WITHOUT BUILD-IN NON-RETURN VALVE

FIG. 7

A4 210x297

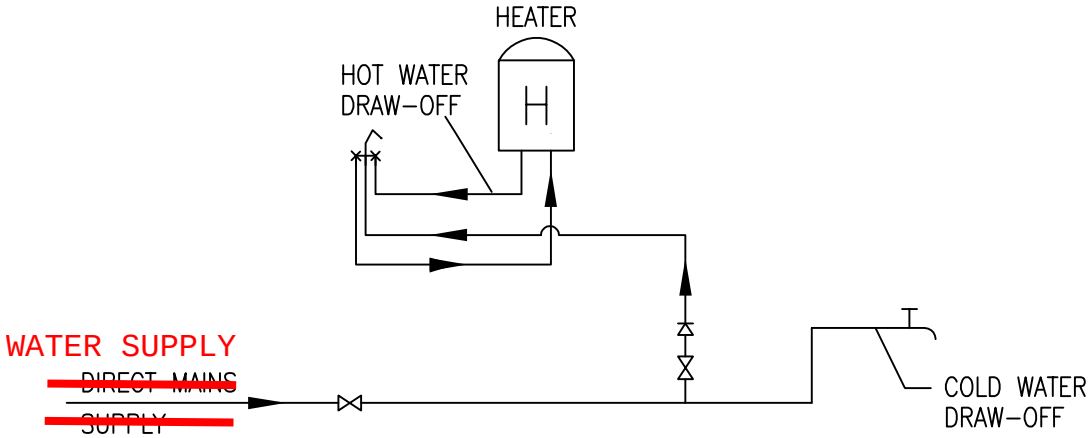
G19–457–02.dwg



SCHEMATIC DIAGRAM

~~LAYOUT~~ OF A NON-PRESSURE TYPE HEATER

WITH LOOSE JUMPER TYPE STOPCOOK



SCHEMATIC DIAGRAM

~~LAYOUT~~ OF A NON-PRESSURE TYPE HEATER

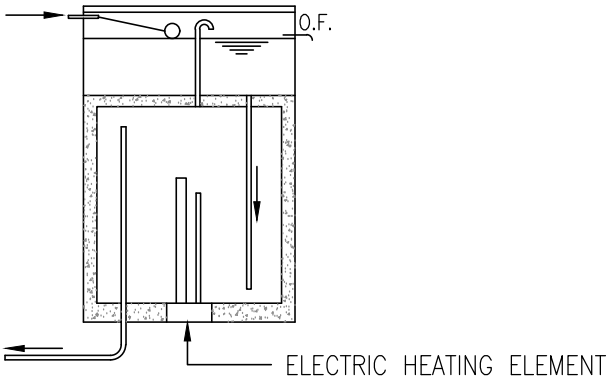
WITH GATE VALVE AND NON-RETURN VALVE

NON-PRESSURE TYPE HEATER ~~/ DISPENSER~~ (SHEET 2 OF 2)

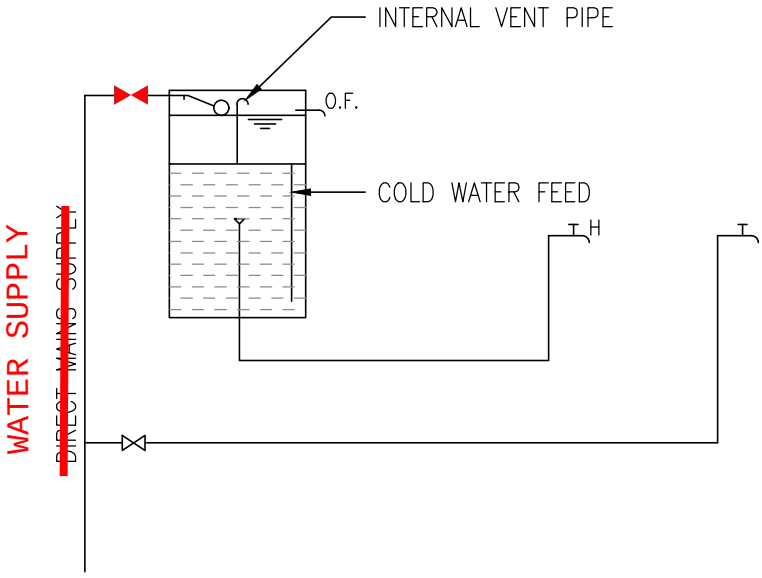
FIG. 7A

G19-457-03.dwg

A4 210x297



SECTION THROUGH A CISTERN TYPE WATER HEATER / DISPENSER



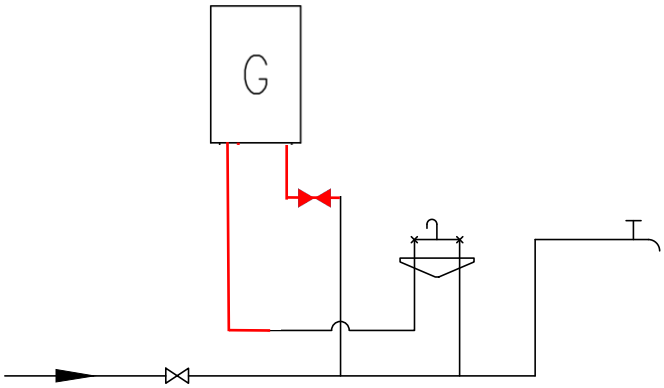
SCHEMATIC DIAGRAM

~~LAYOUT~~ OF A CISTERN TYPE WATER HEATER / DISPENSER

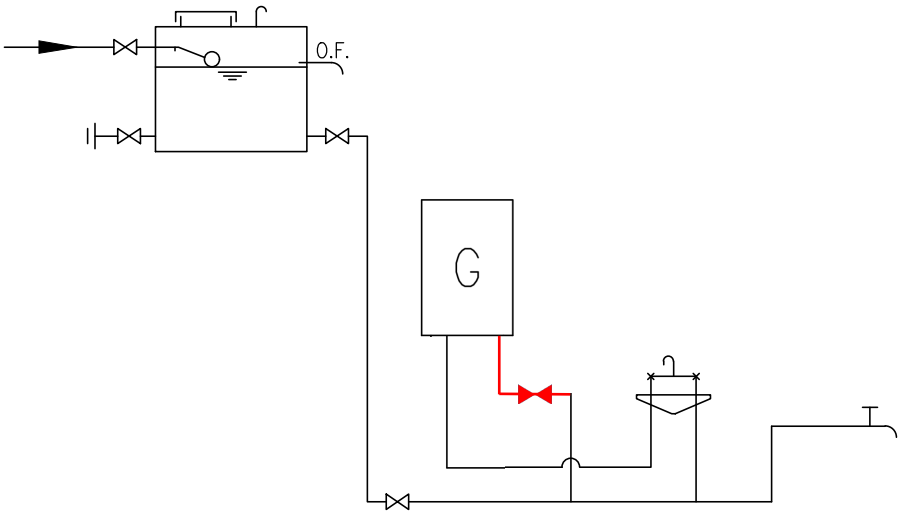
CISTERN TYPE WATER HEATER

FIG. 8

A4 210x297



INSTANTANEOUS GAS WATER HEATER
CONNECTED DIRECTLY TO MAINS SUPPLY

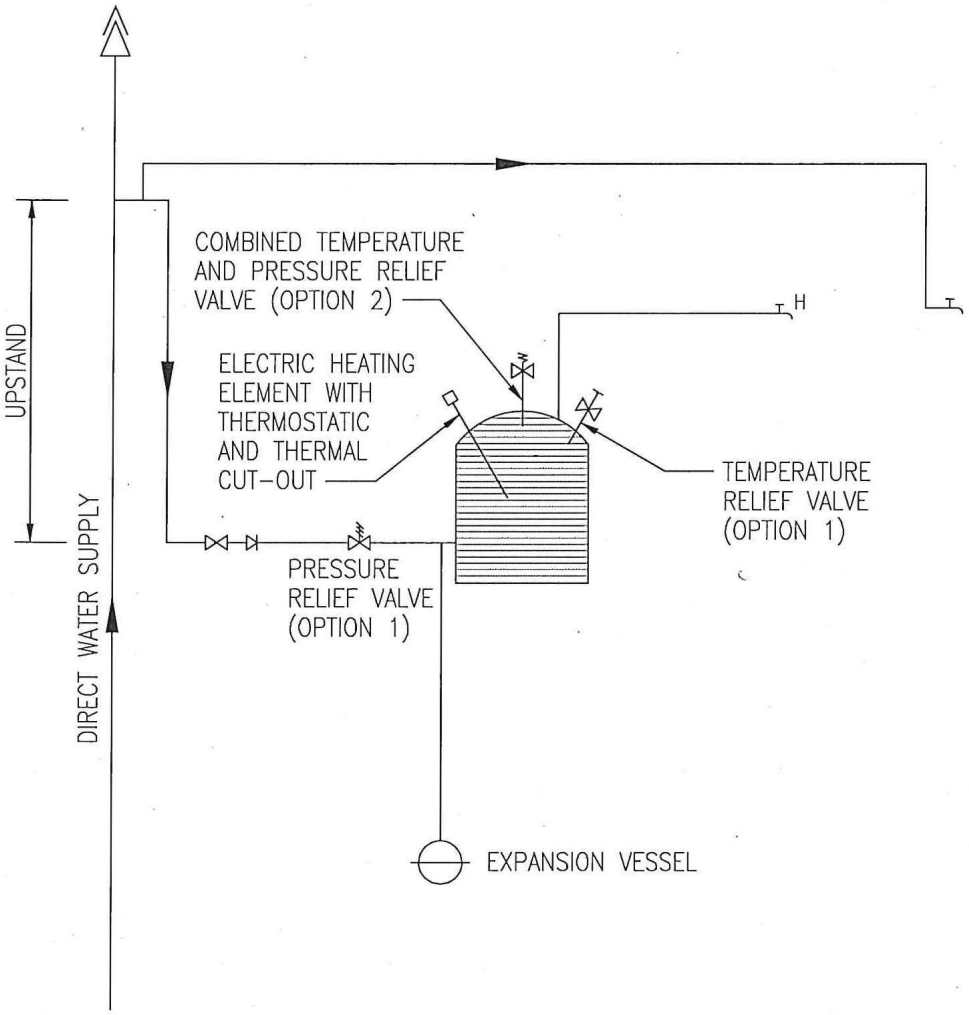


INSTANTANEOUS GAS WATER HEATER
CONNECTED INDIRECTLY TO MAINS SUPPLY

INSTANTANEOUS GAS WATER HEATER

FIG. 9

A4 210x297



NOTES :

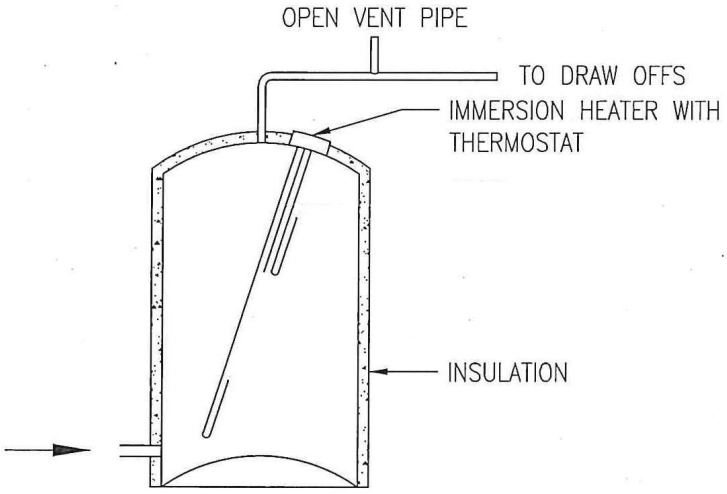
1. THE FACTORY TEST PRESSURE OF THE HEATER SHALL BE IN EXCESS OF 1.5 TIMES THE MAXIMUM STATIC PRESSURE AT THE MAINS WATER SUPPLY POINT.
2. A COMBINED TEMPERATURE AND PRESSURE RELIEF VALVE (OPTION 2) MAY BE USED IN LIEU OF A TEMPERATURE RELIEF VALVE AND A PRESSURE RELIEF VALVE (OPTION 1).
3. THE SAFETY 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.

SCHEMATIC DIAGRAM

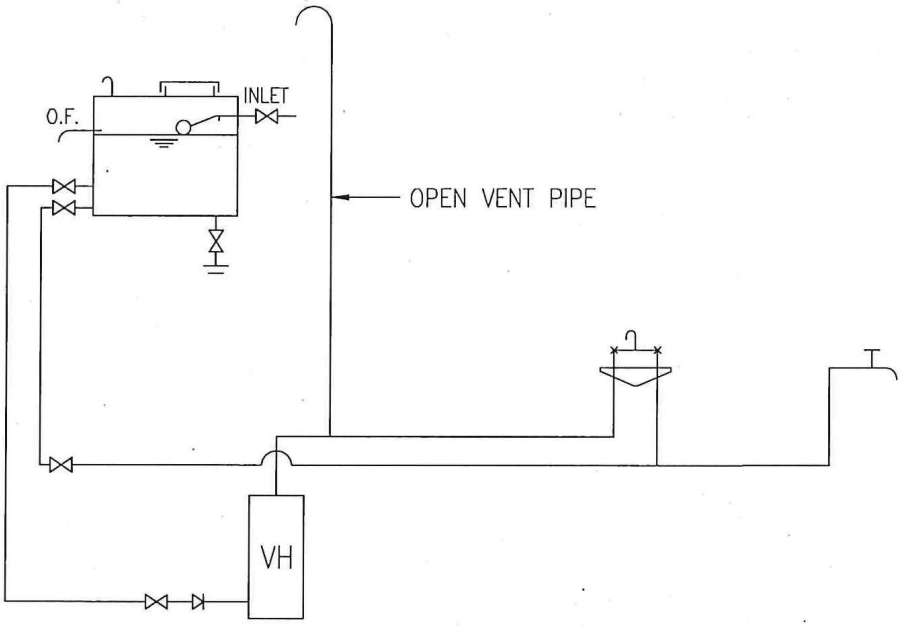
~~LAYOUT~~ OF UNVENTED ELECTRIC THERMAL STORAGE TYPE WATER HEATER

FIG. 10

A4 210x297



ESSENTIAL COMPONENTS OF A PRESSURE TYPE THERMAL STORAGE WATER HEATER



SCHEMATIC DIAGRAM

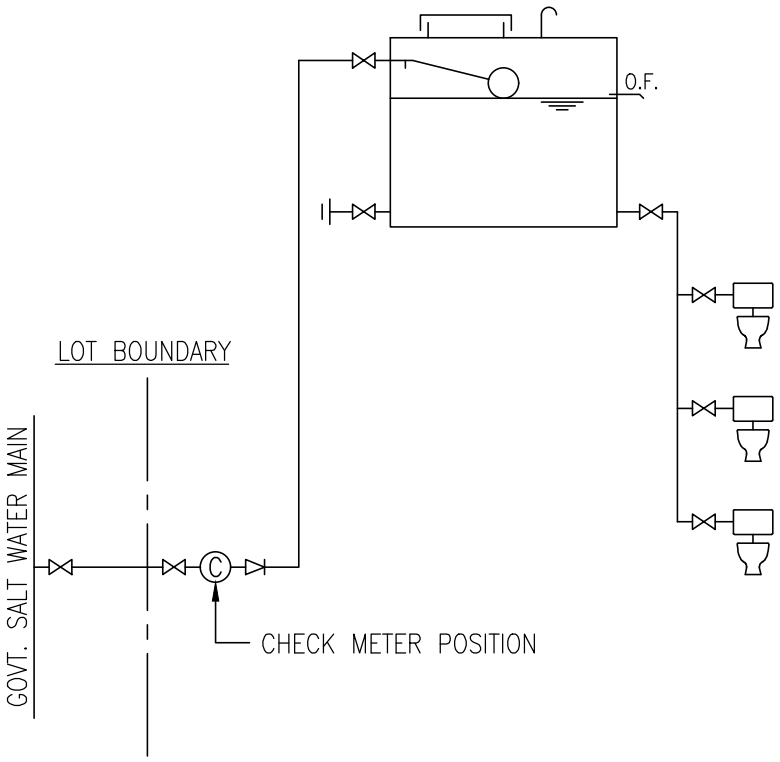
~~LAYOUT~~ OF A PRESSURE TYPE THERMAL STORAGE WATER HEATER

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.

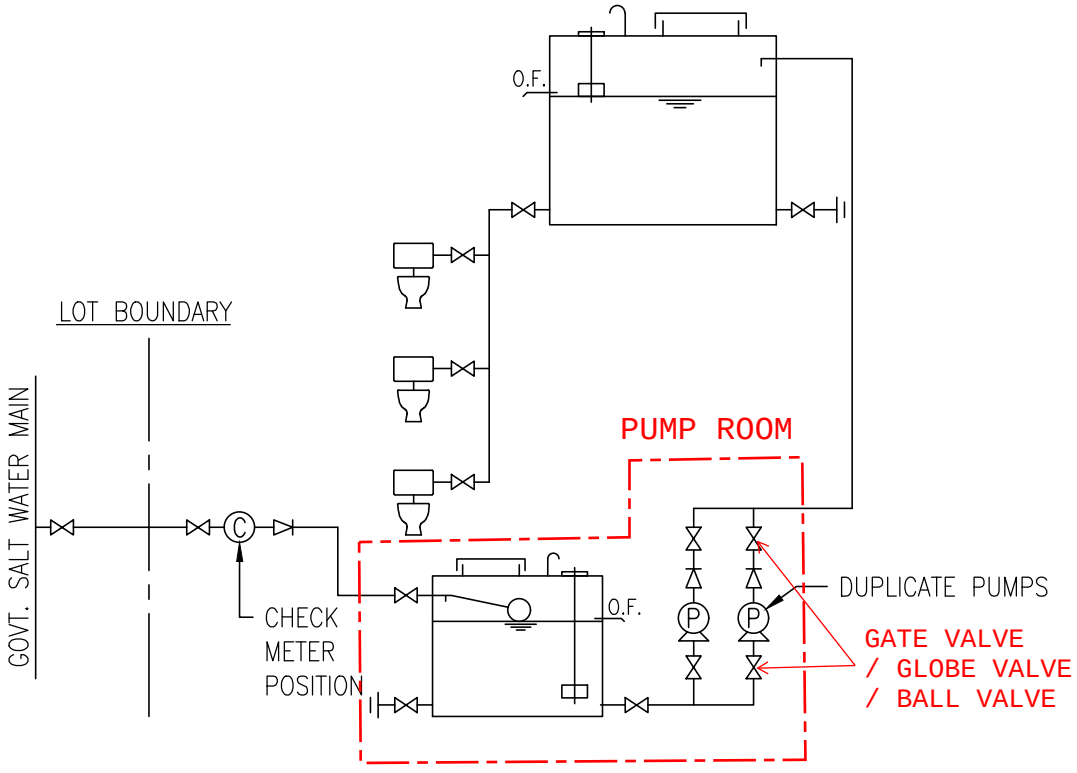
PRESSURE TYPE THERMAL STORAGE WATER HEATER (VENTED HEATER)

FIG. 11

A4 210x297



INDIRECT SALT WATER FLUSHING SUPPLY SYSTEM
(WITH DIRECT SUPPLY TO ROOF STORAGE TANK)

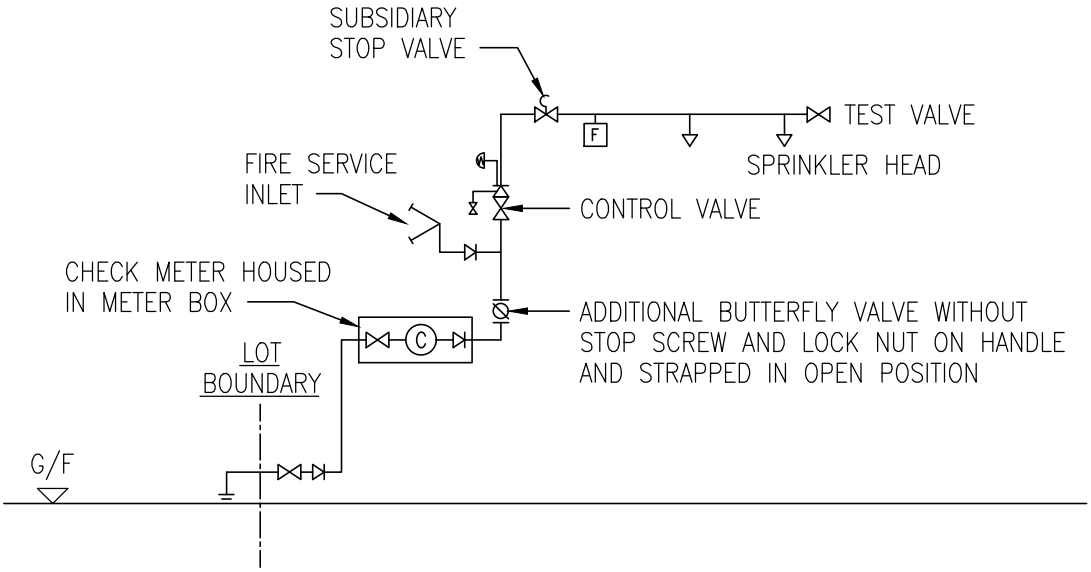


INDIRECT SALT WATER FLUSHING SUPPLY SYSTEM
(WITH SUMP AND PUMP SYSTEM)

SALT WATER FLUSHING SUPPLY SYSTEM

FIG. 14

A4 210x297

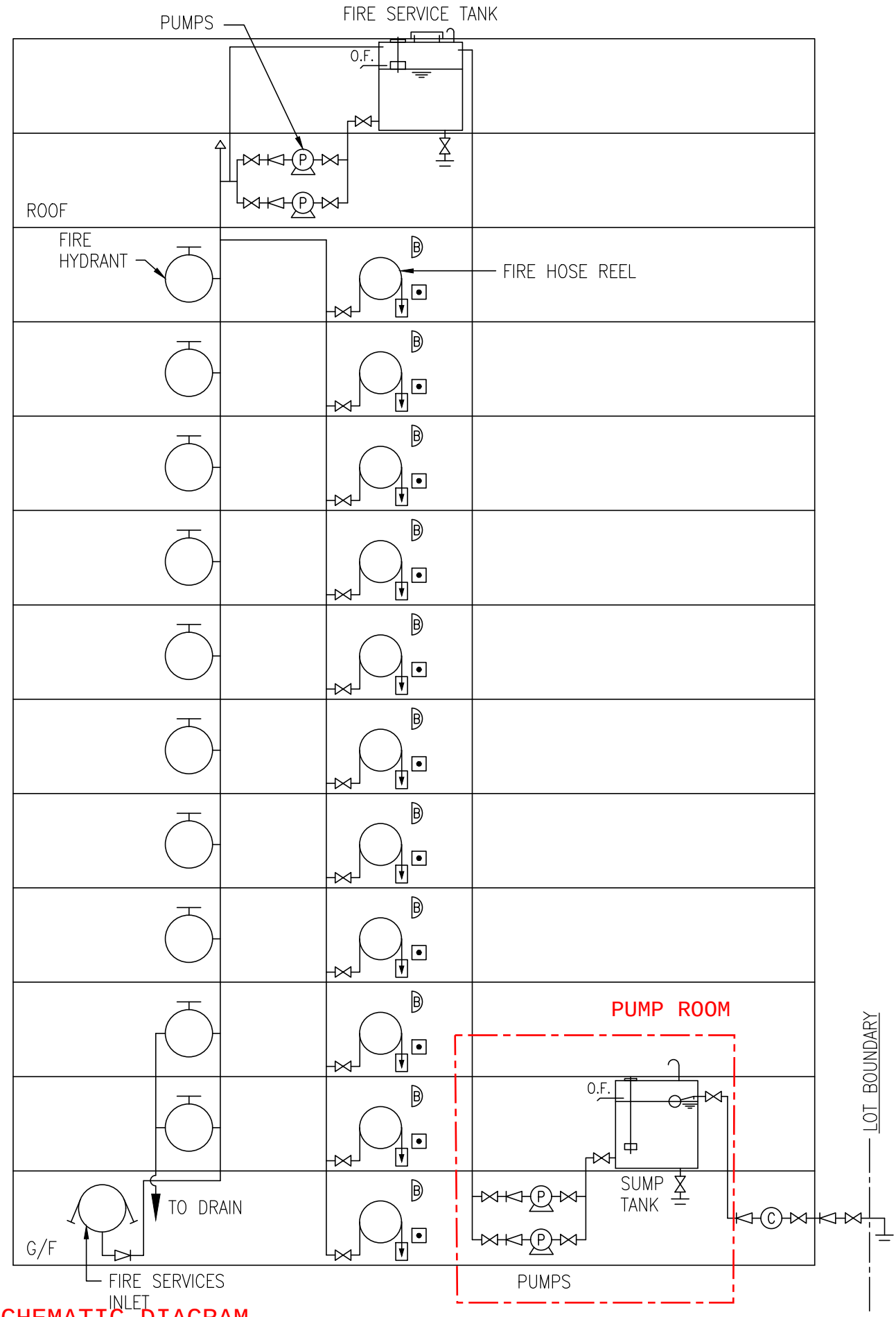


SCHEMATIC DIAGRAM

~~LAYOUT DRAWING~~ FOR IMPROVISED SPRINKLER SYSTEM

FIG. 17

A4 210x297



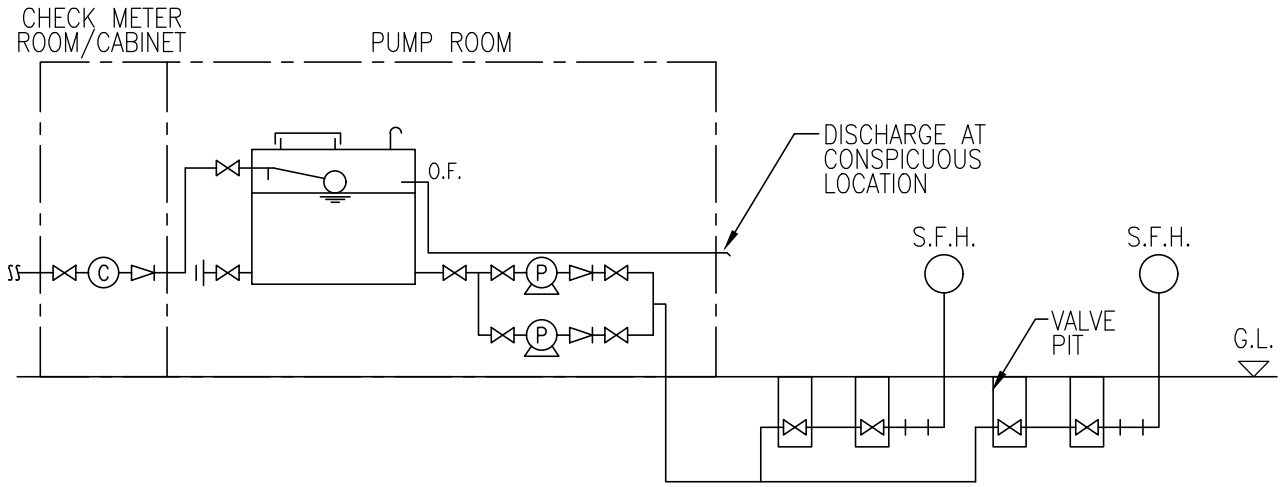
SCHEMATIC DIAGRAM

LAYOUT DRAWING FOR FIRE HYDRANT/HOSE REEL SYSTEM

NOTE 1. THE ACTUAL DESIGN AND INSTALLATION SHOULD BE SUBJECT TO THE RELEVANT ORDINANCES AND RECOMMENDATION FROM FIRE SERVICE DEPARTMENT

FIG. 18

A4 210x297



NOTE 1. THE ACTUAL DESIGN AND INSTALLATION SHOULD BE SUBJECT TO THE RELEVANT ORDINANCES AND RECOMMENDATION FROM FIRE SERVICE DEPARTMENT

ABBREVIATION :

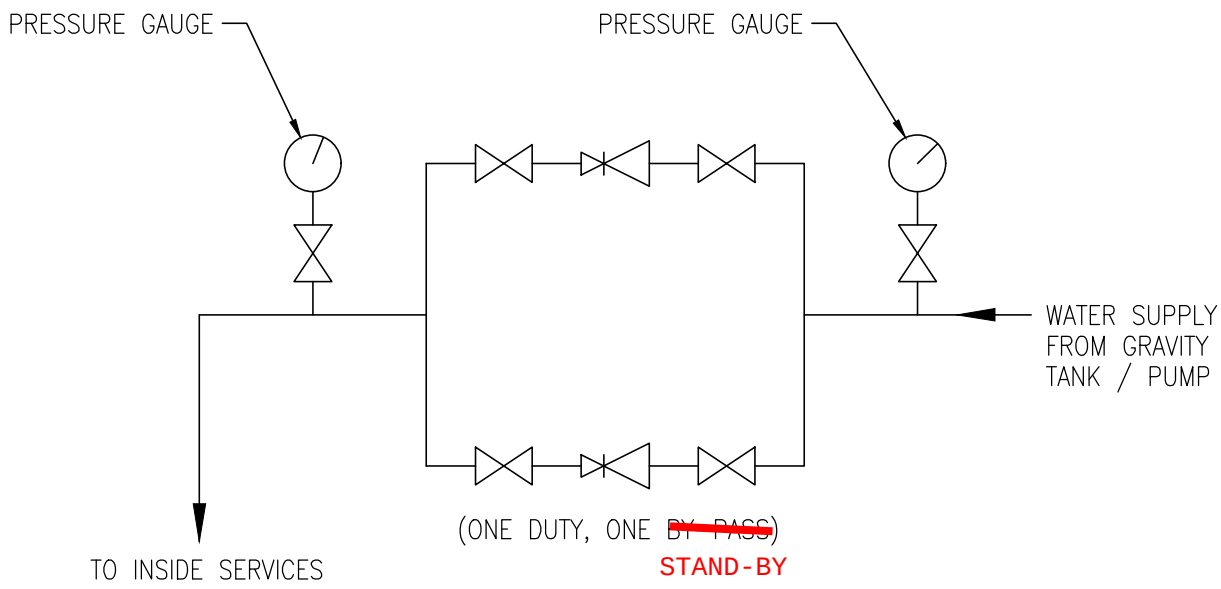
S.F.H. STREET FIRE HYDRANT

LAYOUT DRAWING FOR STREET FIRE HYDRANT SYSTEM

SCHEMATIC DIAGRAM

FIG. 21

A4 210x297



NOTES : STAND-BY

1. A ~~BYPASS~~ ARRANGEMENT WITH THE PROVISION OF A SECOND PRESSURE REDUCING VALVE TO ENABLE ISOLATION OF ANY DEFECTIVE PRESSURE REDUCING VALVE FOR REPAIR AND REPLACEMENT IS USED.

2. THE PRESSURE REDUCING VALVES FOR USE WITH FRESH WATER SHOULD BE MANUFACTURED FROM MATERIALS SUITABLE FOR USE IN CONTACT WITH POTABLE WATER.

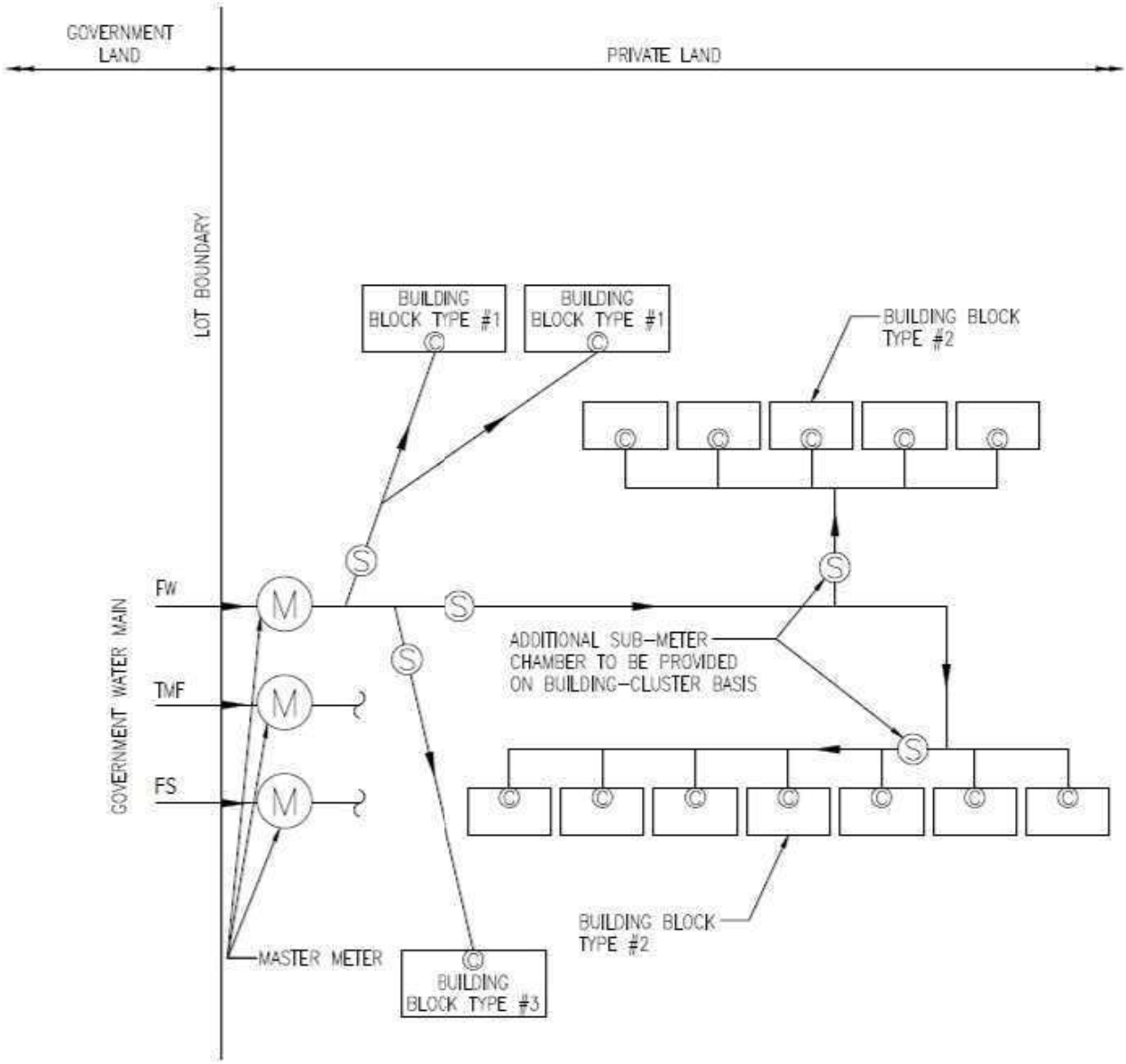
3. THE PRESSURE REDUCING VALVES FOR USE WITH SALT WATER SHOULD BE MANUFACTURED FROM MATERIALS CAPABLE OF WITHSTANDING THE CORROSIVE EFFECT OF SALT WATER.

DIAGRAM

SCHEMATIC ~~LAYOUT~~ OF PRESSURE REDUCING VALVES

FIG. 22

A4 210x297



GENERAL

~~TYPICAL~~ CONFIGURATION OF MASTER METER AND SUB-METER CHAMBERS IN MULTIPLE-BLOCK DEVELOPMENT

NOTES :

1. SUB-METER CHAMBERS FOR FIRE SERVICE NOT SHOWN FOR CLARITY
2. SUB-METER CHAMBERS NOT REQUIRED FOR TMF

LEGEND :

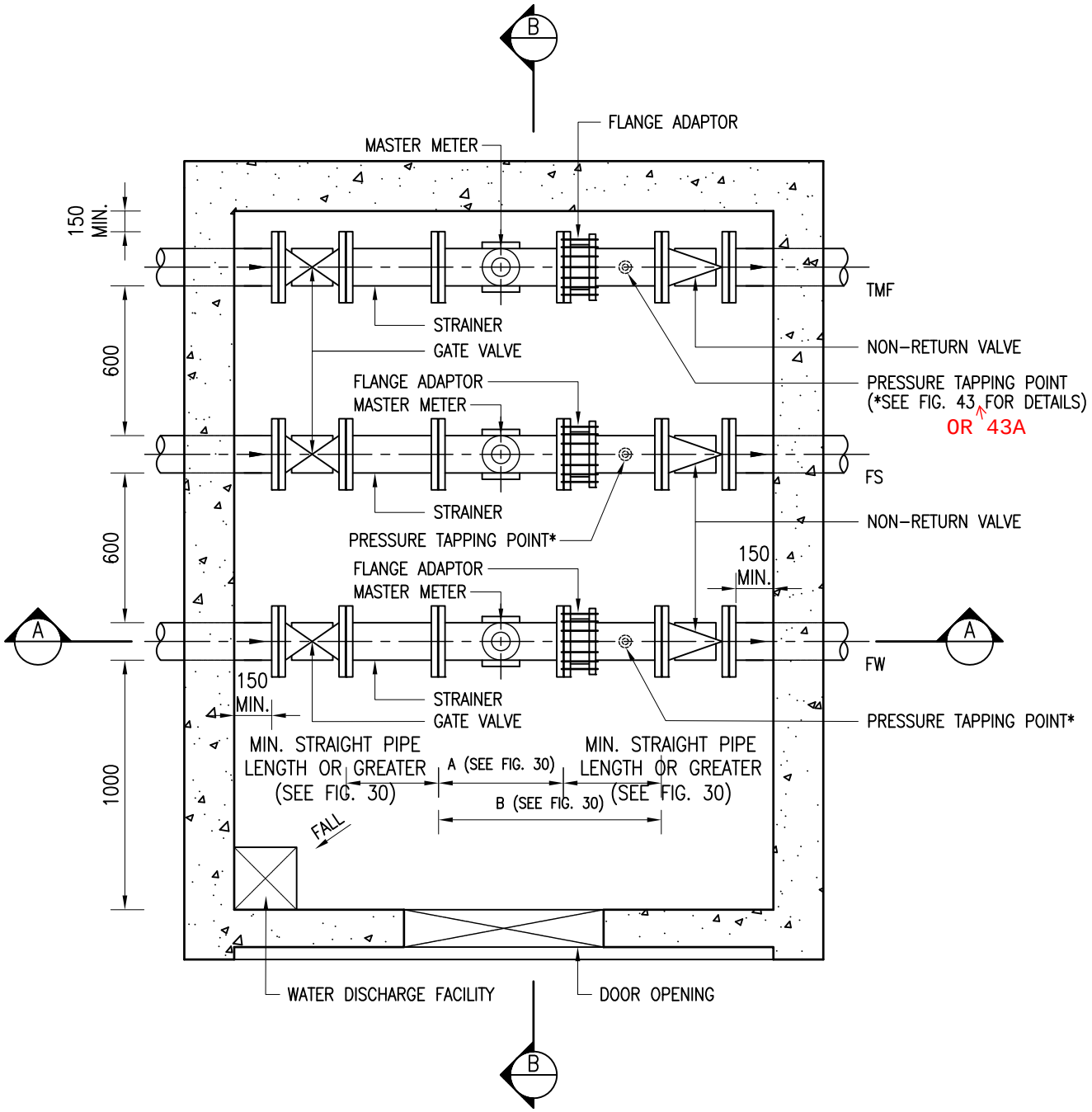
(M) MASTER METER

(S) CHECK METER POSITION IN SUB-METER CHAMBER / BOX / CABINET

(C) CHECK METER POSITION IN BUILDING BLOCK

FIG. 24

A4 210x297



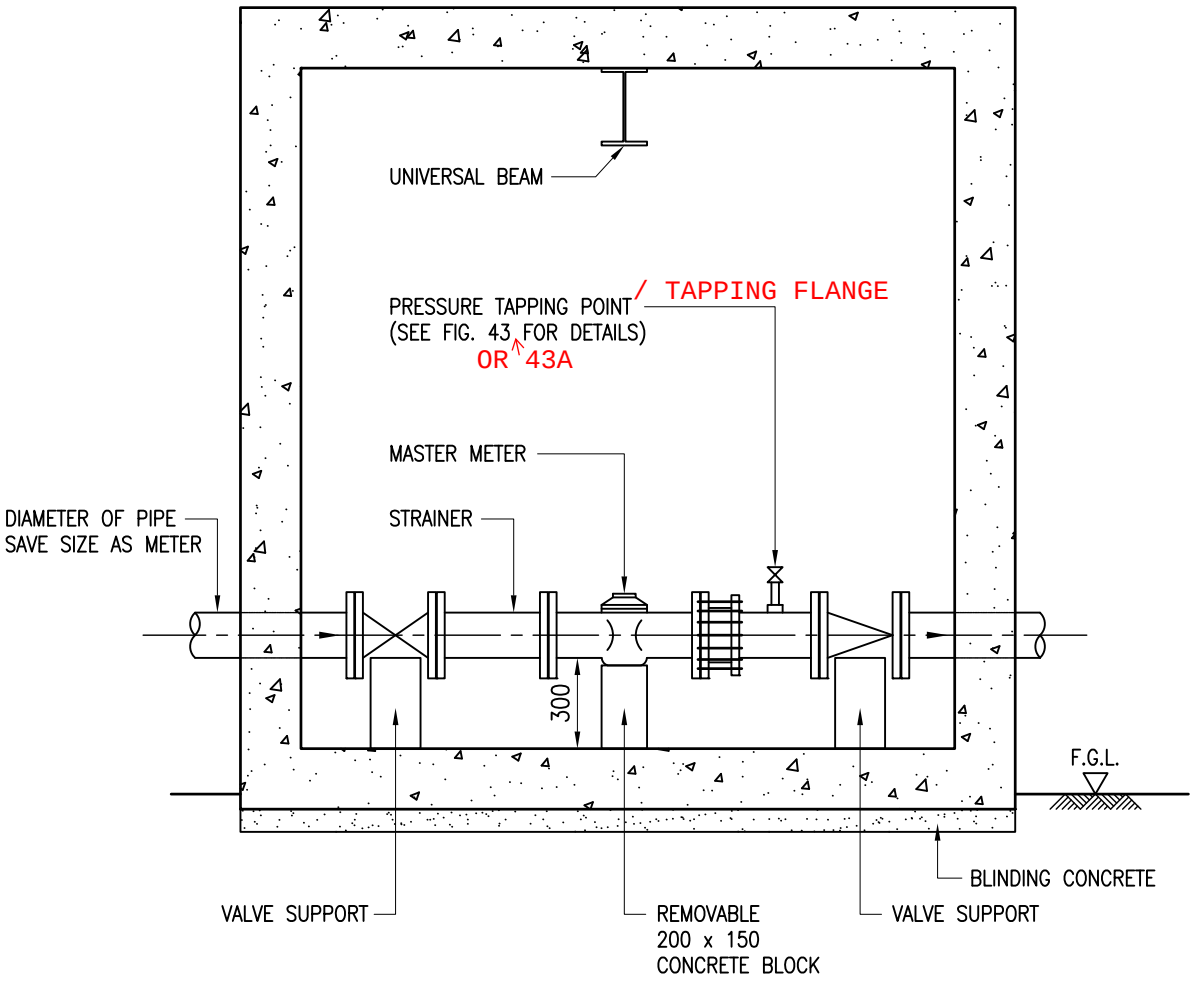
SECTIONAL PLAN OF MASTER METER ROOM

GENERAL ARRANGEMENT OF MASTER METER ROOM (SHEET 2 OF 5)

FIG. 27

A4 210x297

G20-236-03.dwg



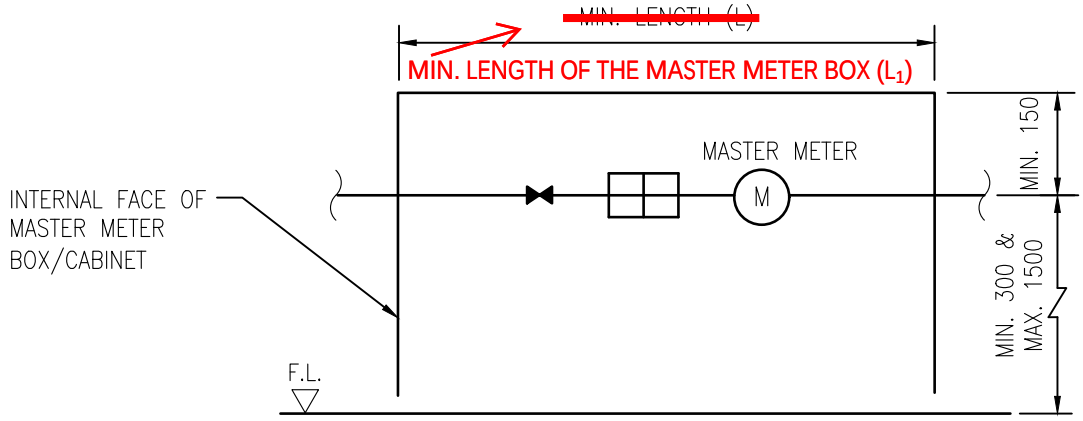
SECTION A – A OF MASTER METER ROOM

GENERAL ARRANGEMENT OF MASTER METER ROOM (SHEET 3 OF 5)

FIG. 28

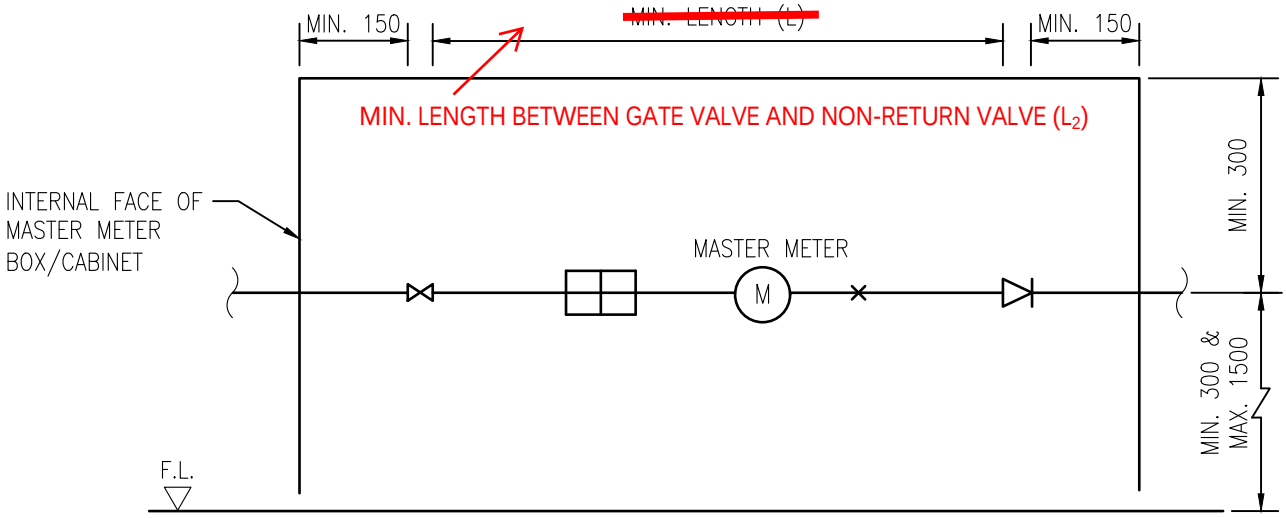
A4 210x297

G19-457-11.dwg



ELEVATION FOR TYPICAL MASTER METER BOX/CABINET FOR PIPE DIAMETER 40mm OR BELOW

PIPE DIAMETER (mm)	MIN LENGTH ~~(L)~~ (L_1) (mm)
15	700
25	800
40	900



ELEVATION FOR TYPICAL MASTER METER BOX/CABINET FOR PIPE DIAMETER 50mm TO 100mm

PIPE DIAMETER (mm)	MIN LENGTH ~~(L)~~ (L_2) BETWEEN GATE VALVE AND NON-RETURN VALVE (mm)
50	700
80	1120
100	1230

LEGENDS

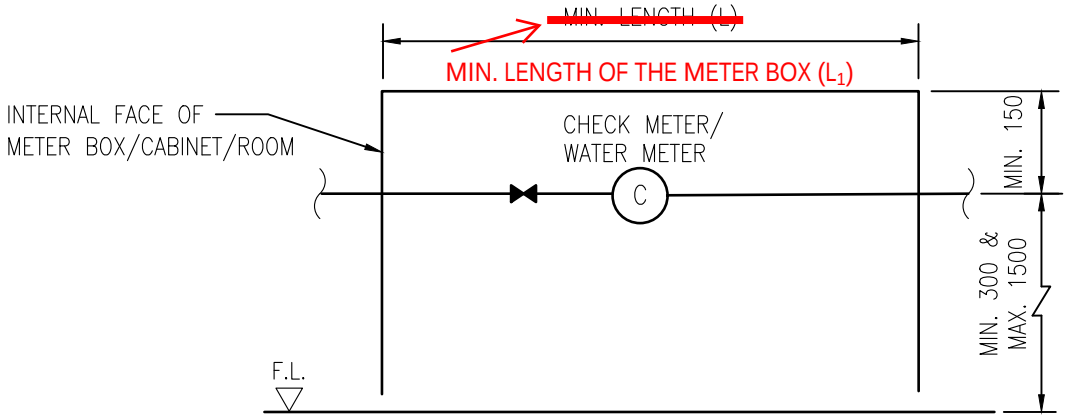
- LOOSE JUMPER TYPE STOPCOCK
- GATE VALVE
- NON-RETURN VALVE
- STRAINER (A STRAINER SHALL BE INSTALLED UP STREAM OF ALL MASTER METER)
- × PRESSURE TAPPING POINT (SEE FIG. 43 FOR DETAILS)

NOTE

PROVISION OF ADEQUATE DRAINAGE INSIDE THE MASTER METER BOX/CABINET POSITIONED AT FLOOR LEVEL SHOULD BE MADE.

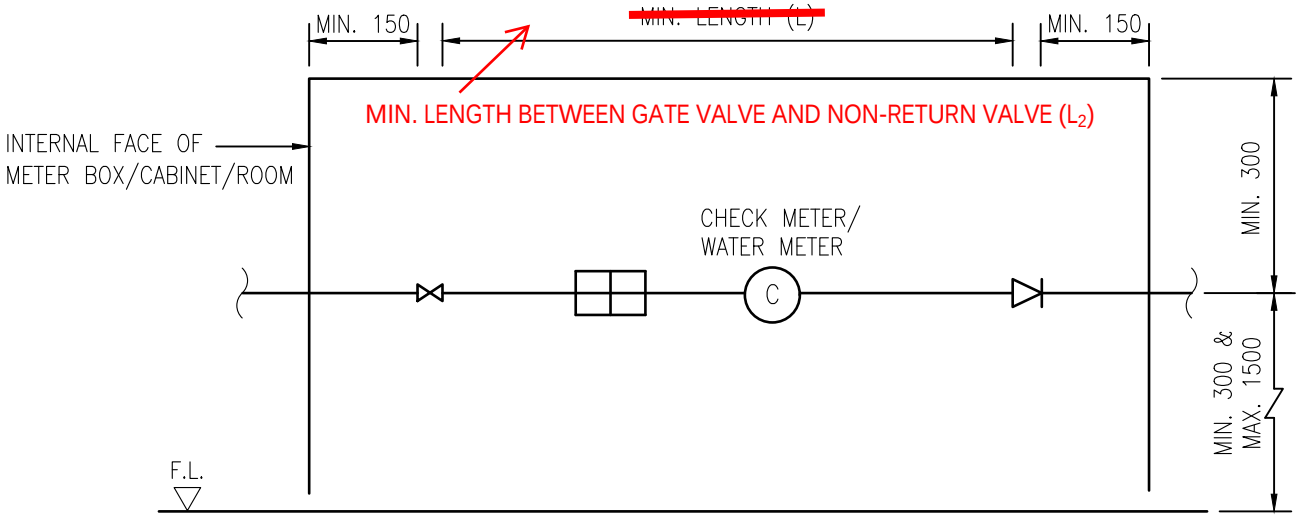
DETAILS OF MASTER METER BOX AND CABINET

FIG. 31



ELEVATION FOR TYPICAL METER BOX/CABINET/ROOM FOR PIPE DIAMETER 40mm OR BELOW

PIPE DIAMETER (mm)	MIN LENGTH (L)(L1) (mm)
15	700
25	800
40	900



ELEVATION FOR TYPICAL METER BOX/CABINET/ROOM FOR PIPE DIAMETER 50mm TO 150mm

PIPE DIAMETER (mm)	MIN LENGTH (L2) BETWEEN GATE VALVE AND NON-RETURN VALVE (mm)
50	700
80	1120
100	1230
150	1650

LEGENDS

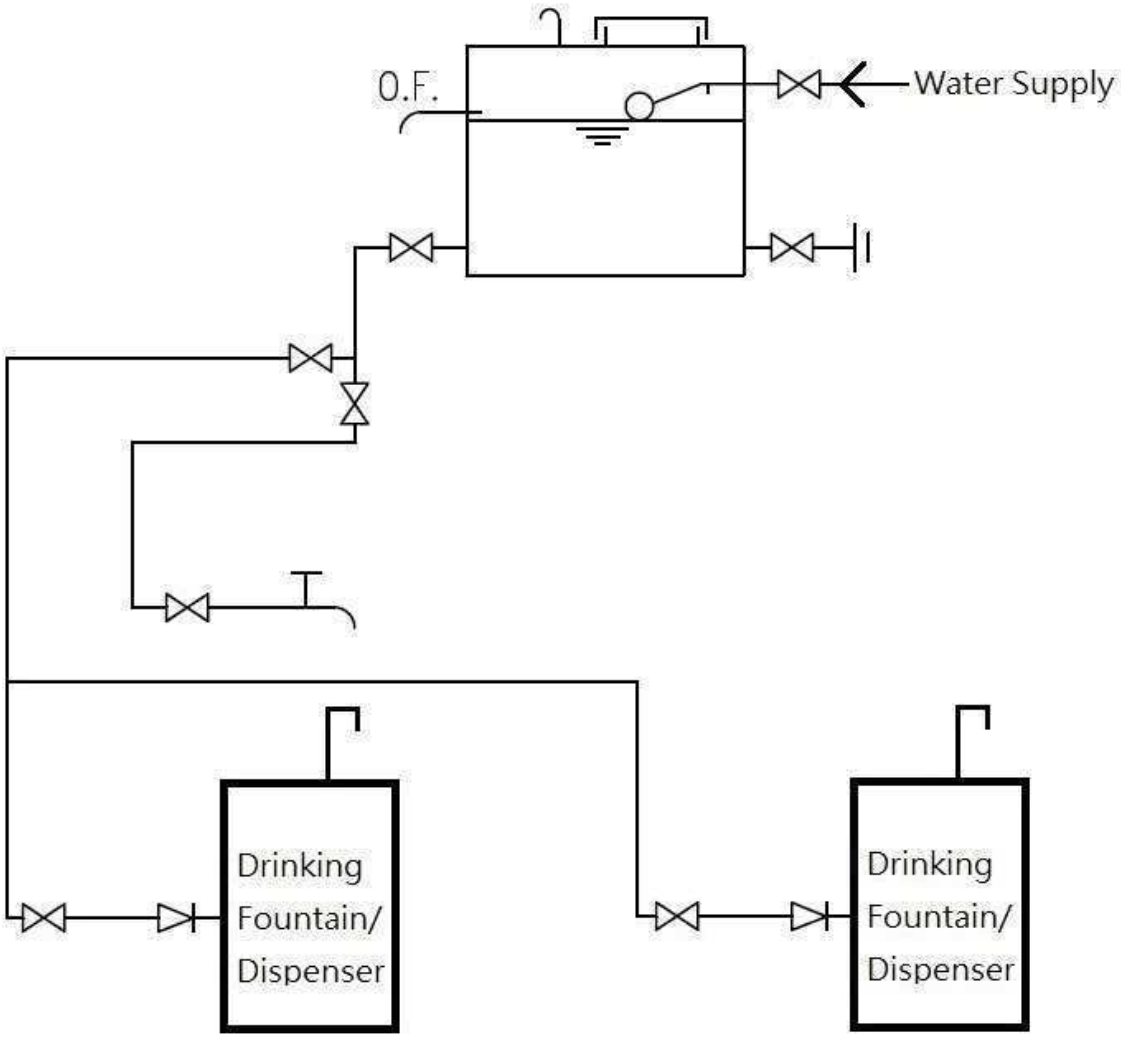
- LOOSE JUMPER TYPE STOPCOCK
- GATE VALVE
- NON-RETURN VALVE
- STRAINER
  (FOR SINGLE JET/TURBINE METER INSTALLED IN DIRECT SUPPLY SYSTEM, A STRAINER SHALL BE INSTALLED UPSTREAM OF METER)

NOTE

PROVISION OF ADEQUATE DRAINAGE INSIDE METER BOX/CABINET/ROOM POSITIONED AT FLOOR LEVEL SHOULD BE MADE.

DETAILS OF METER BOX/CABINET/ROOM FOR CHECK METER, WATER METER & SUB-METER

FIG. 32

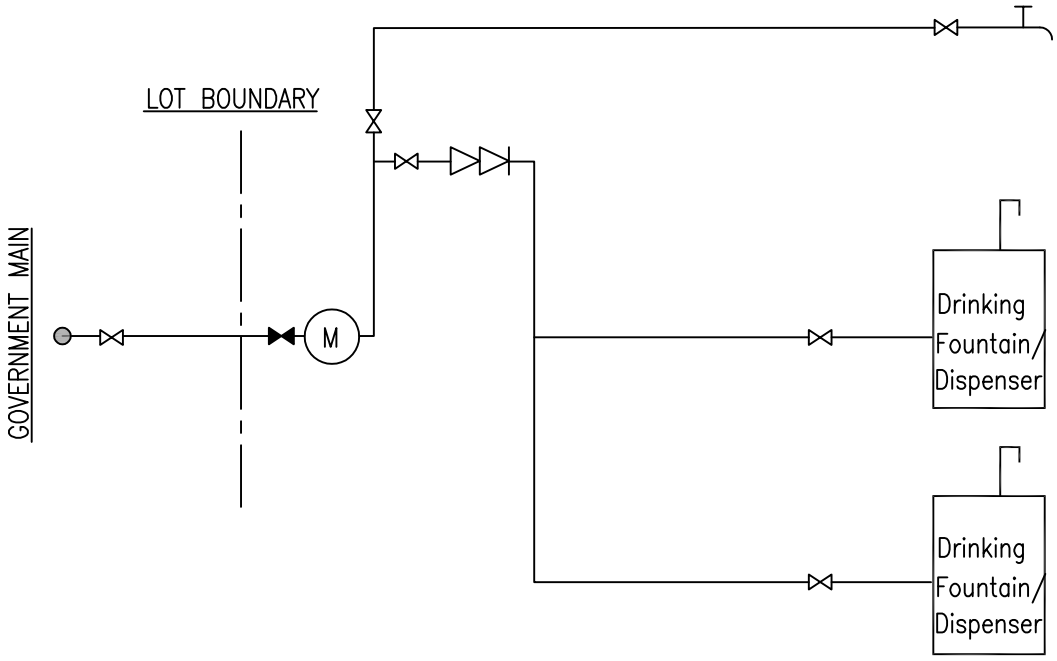


EXAMPLE OF WATER DISPENSER/DRINKING FOUNTAIN -
(NOT LOCATED AT STREET SIDE) -
SUPPLIED BY A WATER TANK WITH OTHER DRAW-OFF POINT -

NOTES:
BACKFLOW PREVENTER IS NOT NECESSARY FOR WATER DISPENSER / DRINK FOUNTAIN NOT LOCATED AT STREET SIDE.

FIG. 38 -

A4 210x297



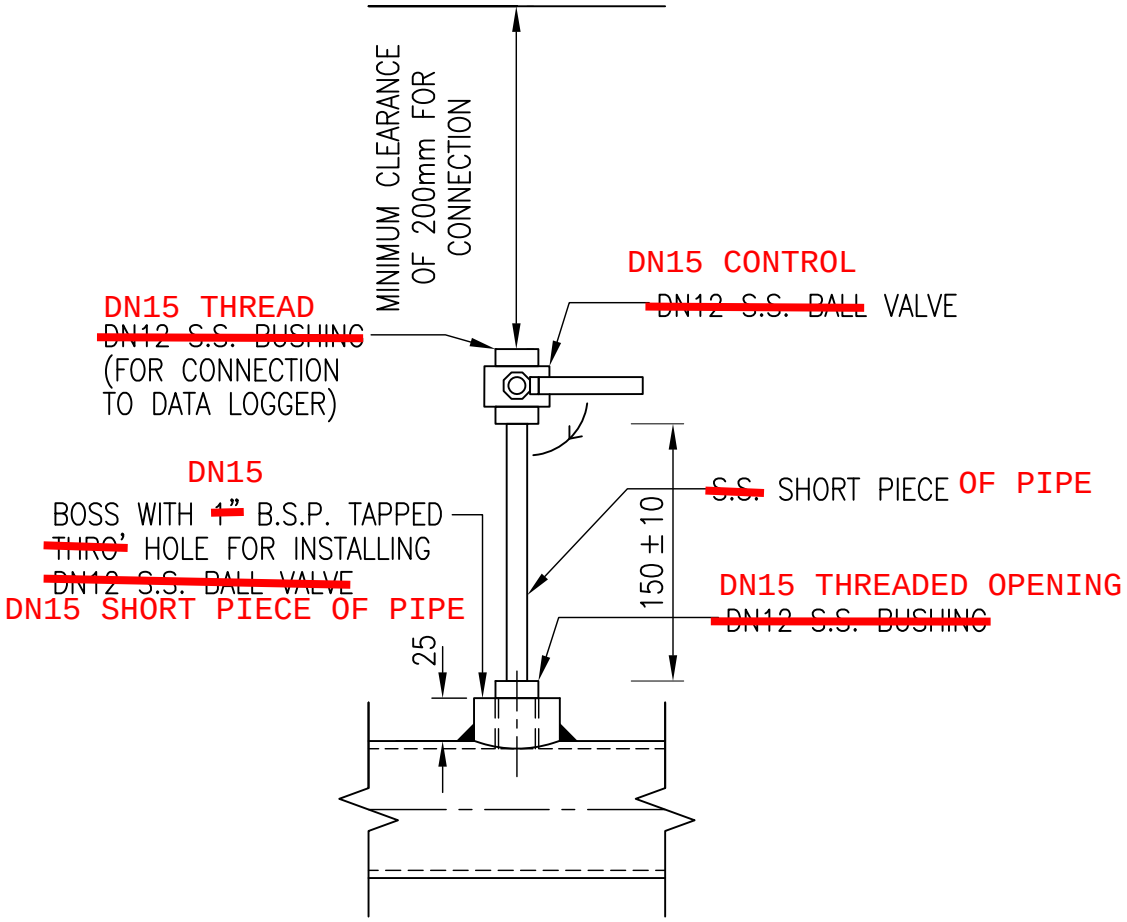
EXAMPLE OF WATER DISPENSER/ DRINKING FOUNTAIN

(NOT LOCATED AT STREET SIDE)

IN DIRECT SUPPLY SYSTEM (USE OF DOUBLE CHECK VALVE)

NOTES:
BACKFLOW PREVENTER IS NOT NECESSARY FOR WATER DISPENSER / DRINK FOUNTAIN NOT LOCATED AT STREET SIDE.

FIG. 39

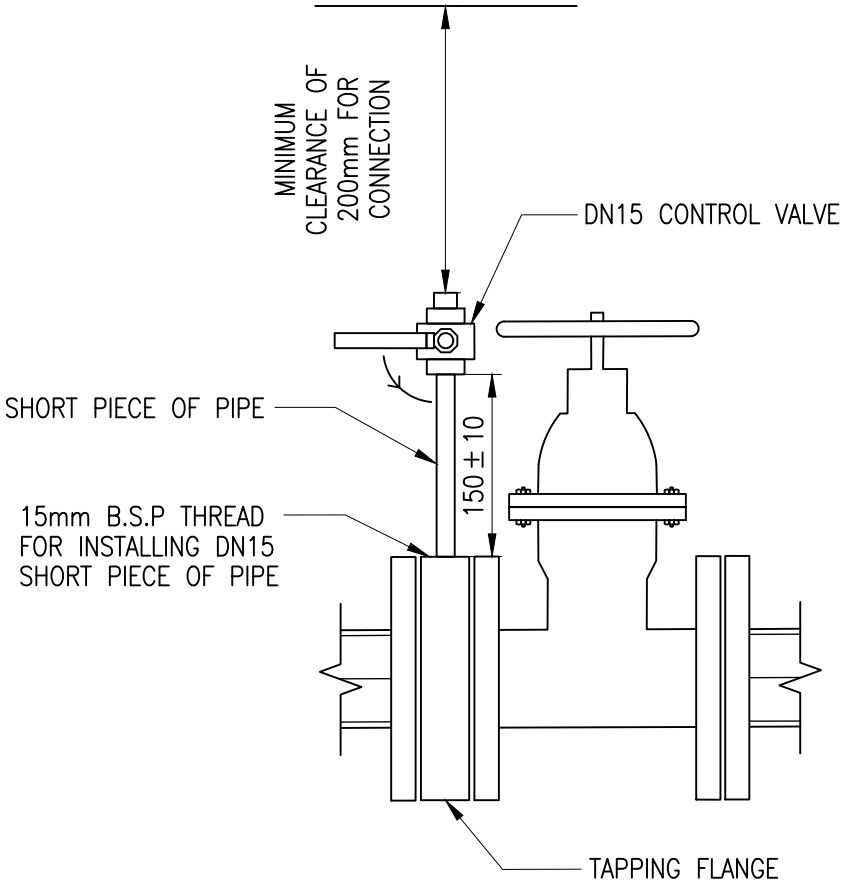


DETAILS OF PRESSURE TAPPING POINT

NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT OTHERWISE STATED.
2. ALL WELDS ARE MARKED THUS ◣ .
3. THIS FIG. TO BE READ IN CONJUNCTION WITH FIG. 27 &28

FIG. 43



DETAILS OF TAPPING FLANGE

NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT OTHERWISE STATED.
2. THIS FIG. TO BE READ IN CONJUNCTION WITH FIG. 27 & 28

FIG. 43A

Schematic Piping Diagram For Improvised Hose Reel System (Direct-feed type)

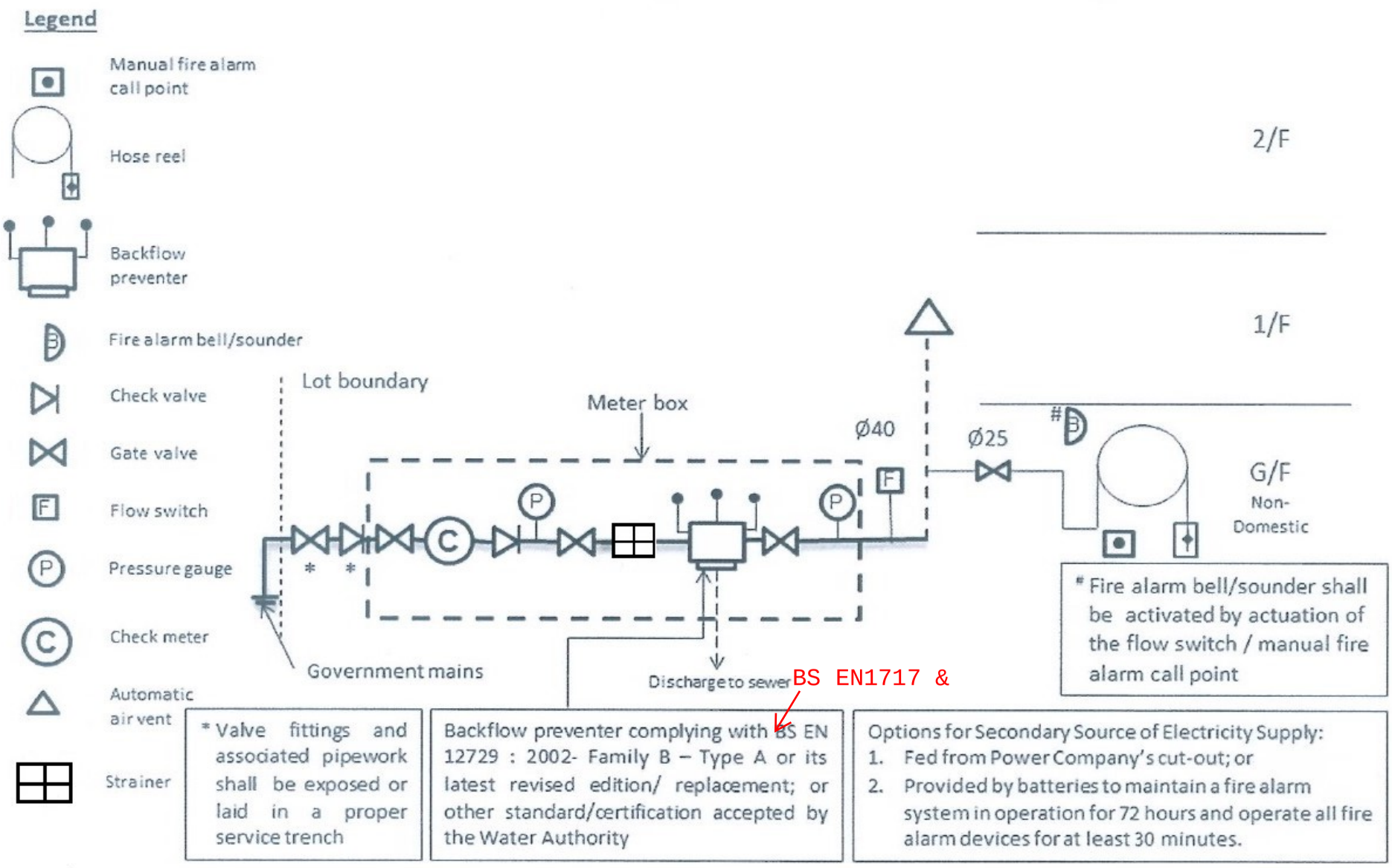


Fig. 44

審批水管工程計劃檢查清單- 新建樓宇

3 - 水錶

種類: **S = 法定要求**
E = 工程批核的要求

#參考樓宇水管工程技術要求的條文。如不適用，您可以刪除這些條文
^請在適當的地方加上✓

	種類	已檢查^	備註
#3.1一般事宜			
3.1.3 凡住宅單位均須安裝獨立水錶	E		
3.1.4 (a) 直接供水系統的水錶須設置在位於適當及方便可達的公用地方之水錶房/箱/櫃內	E		
(b) 間接供水系統水錶則須設置在位於天台或其他位於適當及方便可達的公用地方之水錶房/箱/櫃內	E		
3.1.5 若有關水錶設於天台而~~系統水壓低~~於 15 米，水錶位前須安裝全通閘閥 蓄水池出口與取水點之間的壓力差小 而非活皮心水掣	E		
3.1.6 就所有直徑為 40 毫米或以下的駁喉而言，若有關水錶並非設於天台而水壓又屬充足，每個水錶位的水錶入水管處均須裝設活皮心水閥，並以其升降杆成垂直位置安裝	E		
3.1.7 就直徑超過 40 毫米的駁喉而言，必須在水錶位前裝設閘掣，並須盡量在貼近水錶出水口的一方安裝單向閥或止回流閥	E		
3.1.8 就安裝在直接供水系統中的單流束水錶以及渦輪水錶而言，須在水錶的入水一方安裝濾水網。	E		
3.1.9 & 3.1.10 鹹水沖廁供水系統			
(a) 必須預留水錶位，以供定期查核用水量。該水錶須貼近地段界線及與政府總水管連接的駁喉，或內部輸水管的接駁點，視乎何者適合。	E		
(b) 必須在水錶位前裝設斷流閥，並須盡量在貼近水錶出水口的一方安裝單向閥或止回流閥。	E		
3.1.11 表 3.1.11.1 載有指定行業商業用戶食水錶最小尺寸的規定。	E		