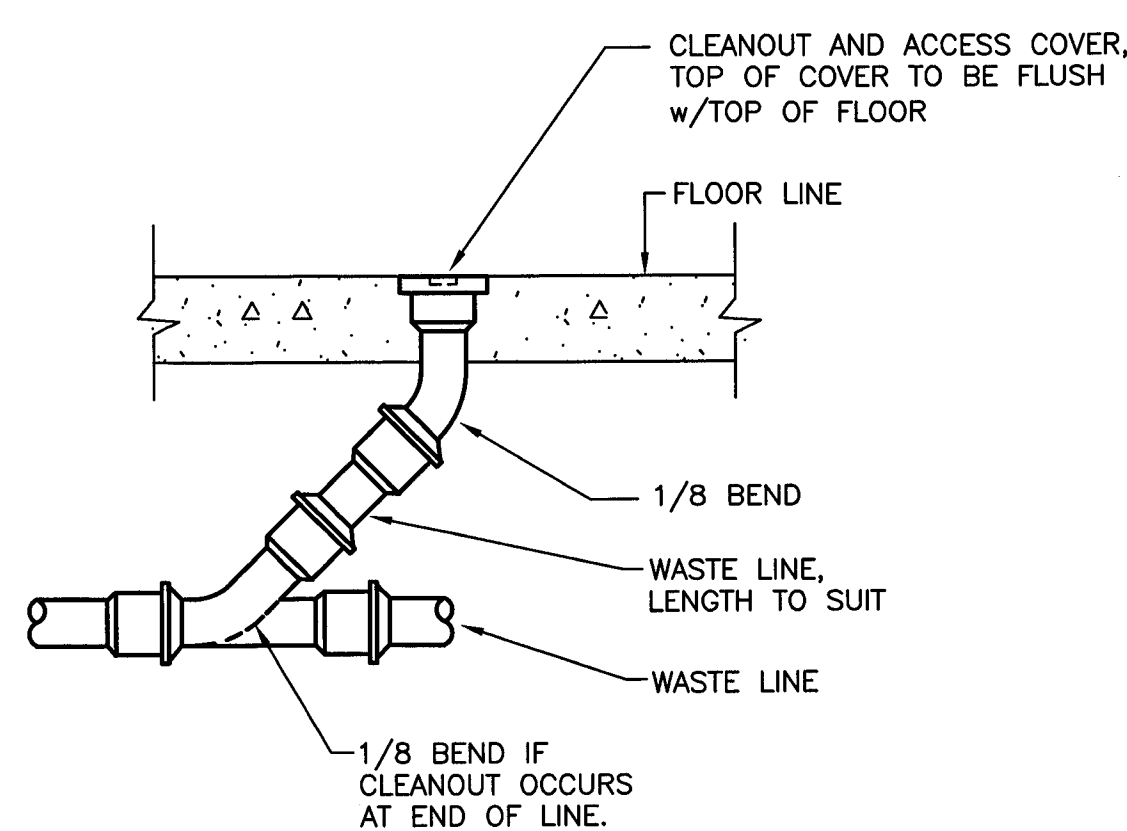
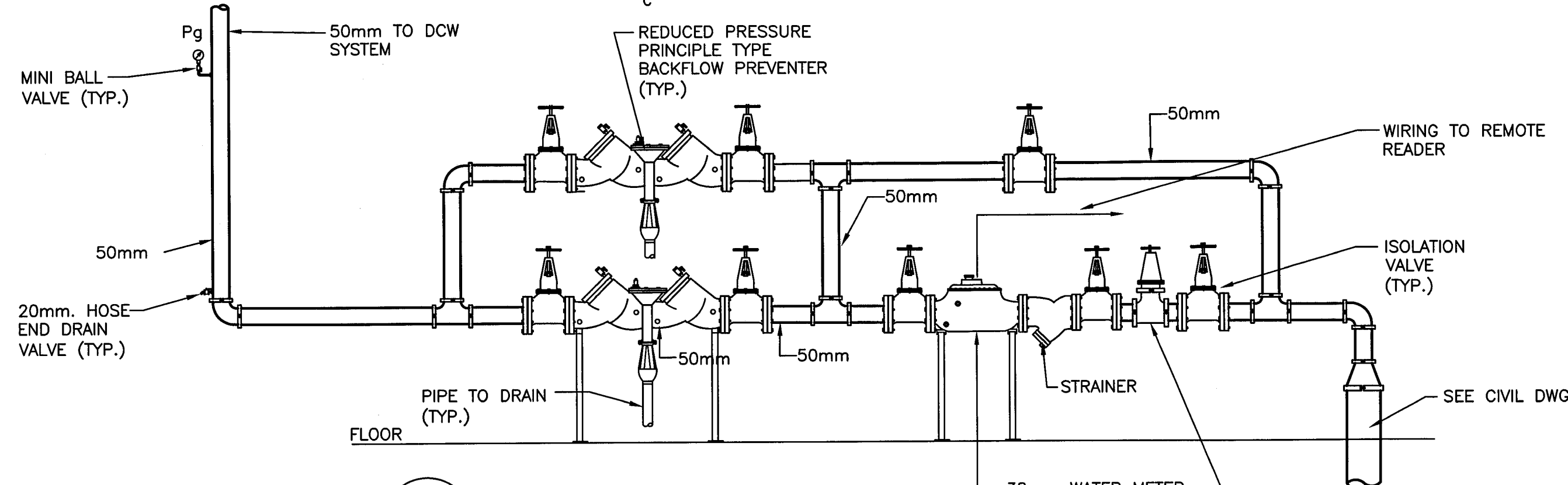


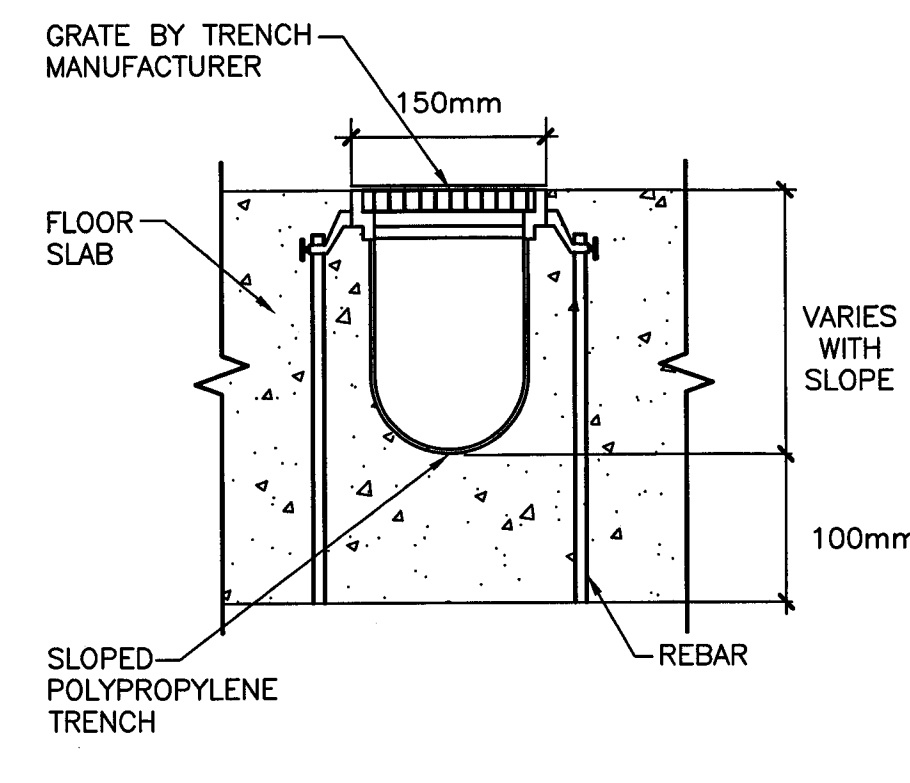
1 DETAIL — WALL CLEANOUT  
SCALE : N.T.S.



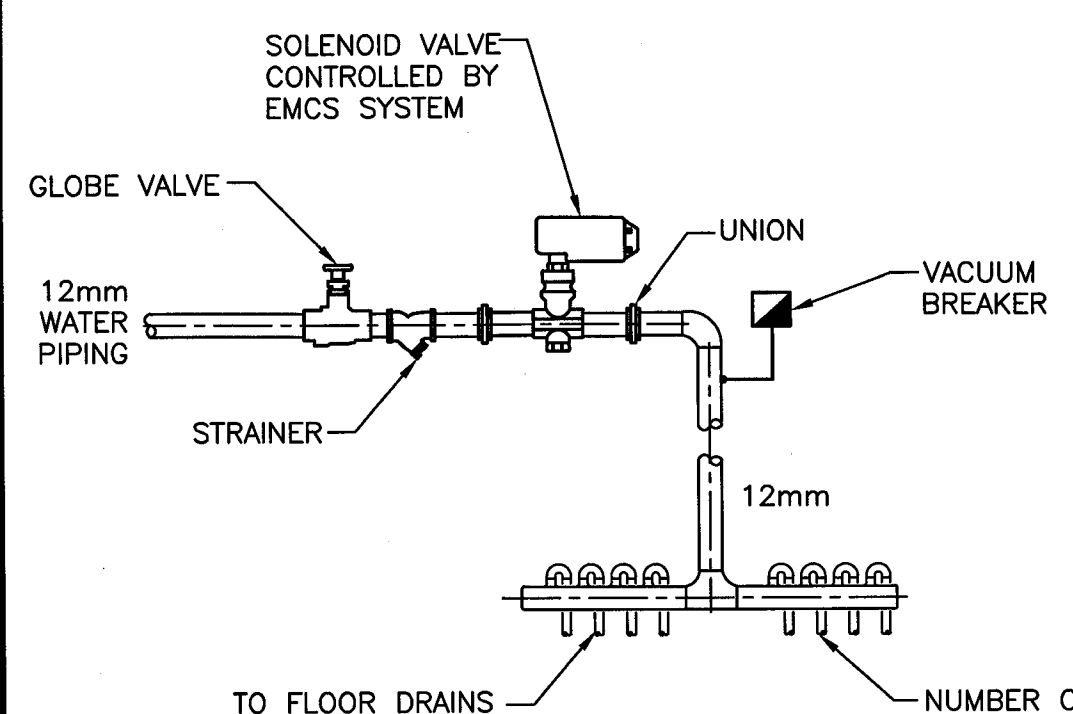
2 DETAIL — FLOOR CLEANOUT  
SCALE : N.T.S.



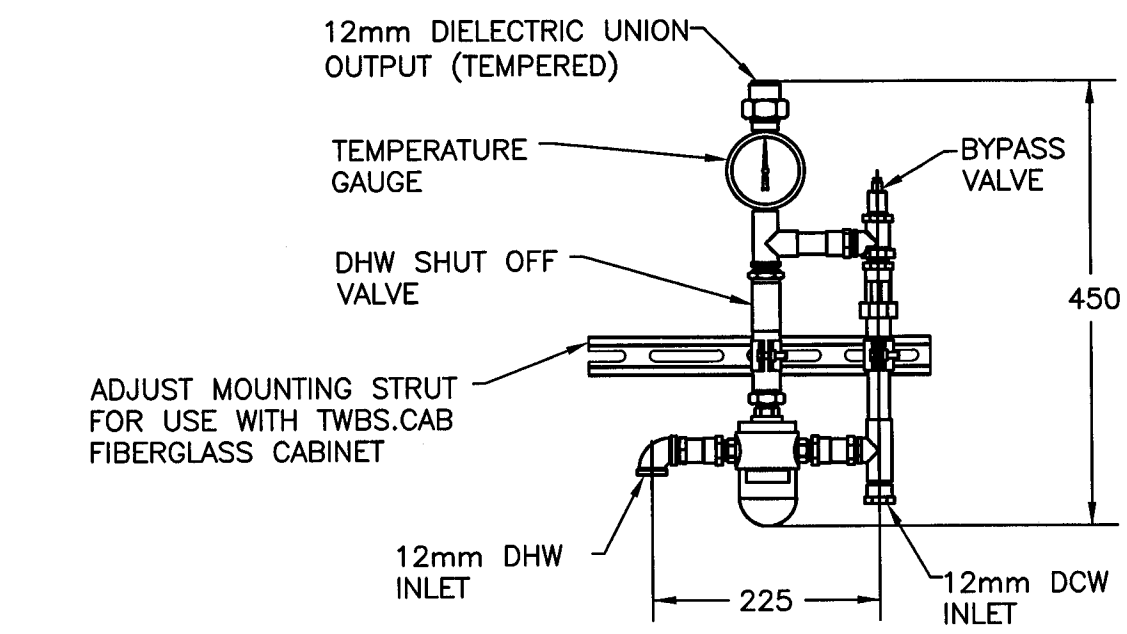
3 DETAIL — WATER ENTRANCE  
SCALE : N.T.S.



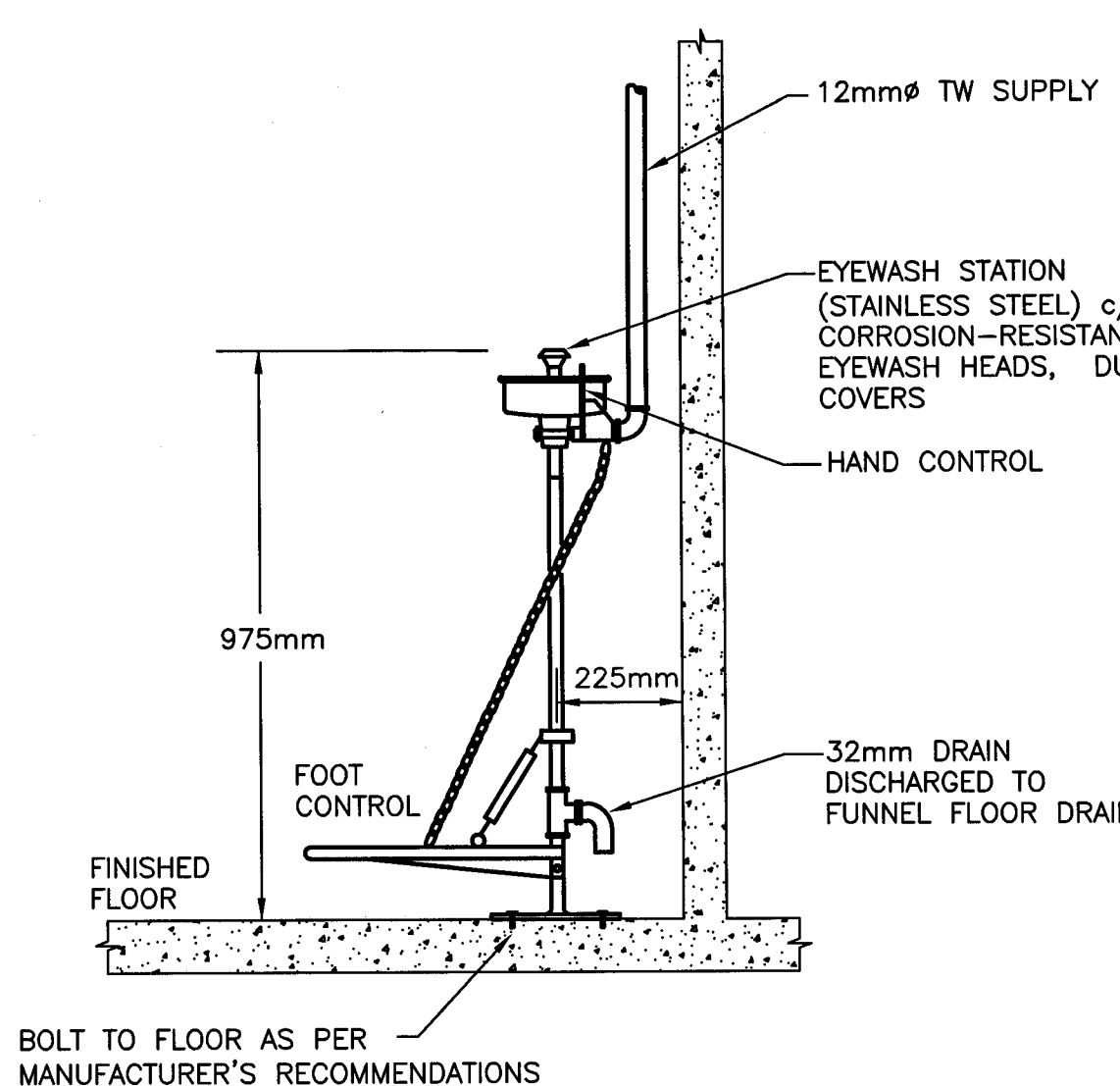
4 DETAIL — TRENCH DRAIN  
SCALE : N.T.S.



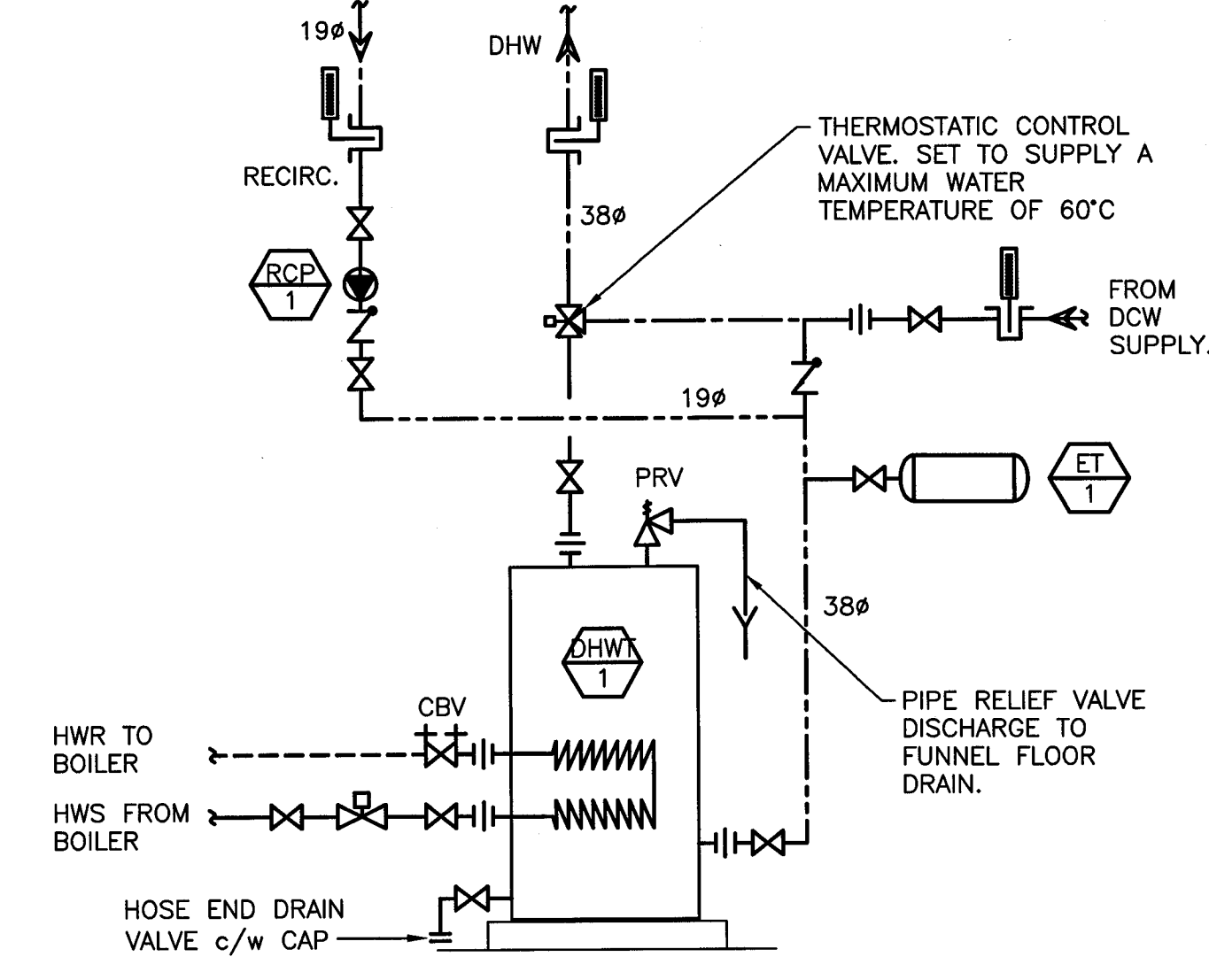
5 DETAIL — TRAP PRIMER  
SCALE : N.T.S.



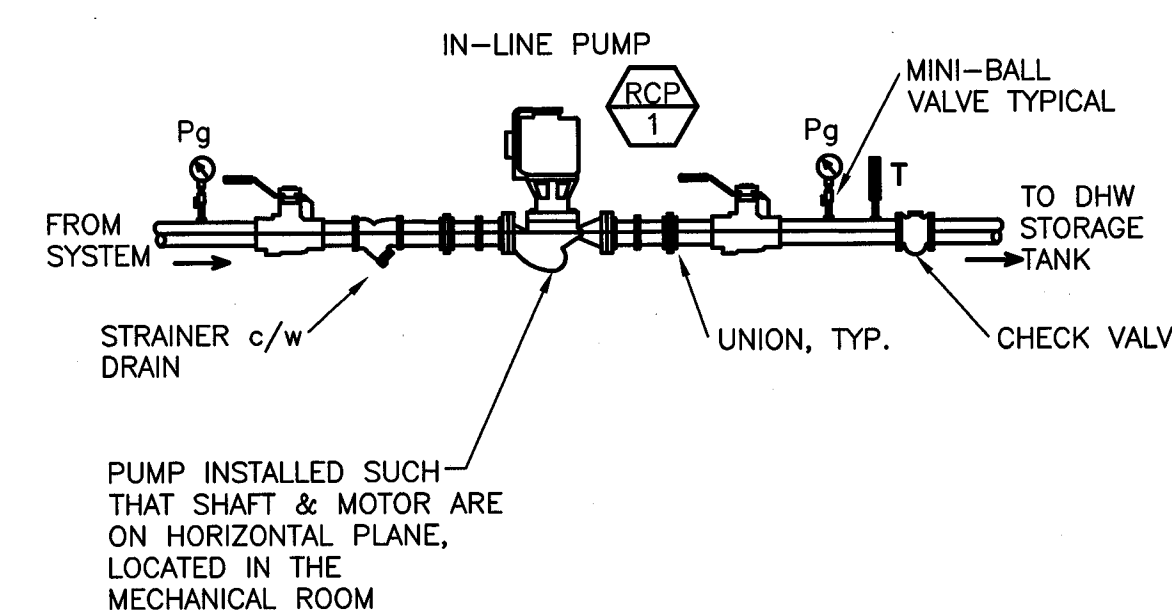
6 DETAIL — TEMPERED WATER STATION  
SCALE : N.T.S.



7 DETAIL — EMERGENCY EYEWASH STATION  
SCALE : N.T.S.



8 DETAIL — SCHEMATIC DOMESTIC HOT WATER HEATING  
SCALE : N.T.S.



9 DETAIL — DHW RECIRC PUMP  
SCALE : N.T.S.

#### EXPANSION TANK SCHEDULE

| DESIGNATION | SYSTEM             | MFRG./MODEL   | TANK VOLUME (l) | TANK DIMENSIONS (mm) | MIN. OR INITIAL FILL TEMP (°C) | MAX. DESIGN TEMP (°C) | MIN. OR INITIAL FILL PRESSURE (kPa) | MAX. DESIGN PRESSURE (kPa) | COMMENTS                   |
|-------------|--------------------|---------------|-----------------|----------------------|--------------------------------|-----------------------|-------------------------------------|----------------------------|----------------------------|
| ET-1        | DOMESTIC HOT WATER | AMTROL ST-12C | 24              | 300 300              | 5                              | 60                    | 380                                 | 689                        | ASME RATED, DIAPHRAGM TYPE |

#### PLUMBING FIXTURE SCHEDULE

| DESIGNATION | ITEM                              | MFRG./MODEL   | TRIM                |  |                   | PIPE SIZE (mm) |     |       |      | COMMENTS   |
|-------------|-----------------------------------|---|---------------------|--|-------------------|----------------|-----|-------|------|--|
|             |                                   |   | STOPS               | SUPPLY   | TRAP              | DCW            | DHW | WASTE | VENT |  |
| P-1         | WATER CLOSET<br>BARRIER FREE      | AMERICAN<br>STANDARD<br>AFWALL<br>ELONGATED<br>3351.001     | 25mm<br>BALL VALVE  | SLOAN<br>ROYAL<br>111-1.6-CP                       | -                 | 25             | -   | 75    | 32   | WALL MOUNTED TOILET, 6.1L PER FLUSH, c/w CENTOCO #820STS.001 HEAVY DUTY TOILET SEAT, WHITE, OPEN FRONT WITH COVER, EXPOSED MANUAL FLUSH VALVE, WATTS 15CA-101 ADJUSTABLE TOILET CARRIER, BARRIER FREE MOUNTING HEIGHT TO MEET NATIONAL AND LOCAL REQUIREMENTS  |
| P-2         | WATER CLOSET                      | AMERICAN<br>STANDARD<br>AFWALL<br>ELONGATED<br>3353.001.020 | 25mm<br>BALL VALVE  | SLOAN<br>ROYAL<br>152-1.6-WB                       | -                 | 25             | -   | 75    | 32   | WALL MOUNTED TOILET, 6.1L PER FLUSH, c/w CENTOCO #500STCC.001 HEAVY DUTY TOILET SEAT, WHITE, OPEN FRONT, CONCEALED MANUAL FLUSH VALVE WITH PUSH BUTTON NON HOLD OPEN WITH 300x300mm SS ACCESS PANEL WITH VANDAL RESISTANT SCREWS, 15CA-101 ADJUSTABLE TOILET CARRIER   |
| P-3         | LAVATORY<br>BARRIER FREE          | AMERICAN<br>STANDARD<br>MEZZO<br>9960.403                   | MCGUIRE<br>H165LKN3 | AMERICAN<br>STANDARD<br>COLONY<br>SOFT<br>2275.565 | MCGUIRE<br>8872C  | 12             | 12  | 32    | 32   | SEMI-COUNTERTOP LAVATORY c/w TWO HANDLE FAUCET, 100mm CENTERS, 5.7 LPM AERATOR OUTLET, POLISHED BRASS FAUCET SUPPLIES, MCGUIRE PROWRAP #PW2000WC SANITARY COVERING. OFFSET OPEN GRID DRAIN MCGUIRE 155WCC  |
| P-4         | SEMI-CIRCULAR<br>WASH<br>FOUNTAIN | ACORN<br>3422-ES-2-PBE<br>-CB-MXT-MXP                       | 12mm<br>BALL VALVE  | -  | -                 | 12             | 12  | 32    | 32   | TWO STATION SEMI-CIRCULAR 14G STAINLESS STEEL WASHFOUNTAIN WITH CONTOURED BASE, INTEGRAL BACKSPLASH AND SPRAY HEAD, EACH STATION OPERATES INDEPENDENTLY, VANDAL RESISTANT SPRAY NOZZLES, 0.03 L/S SPRAY,PUSHBUTTON ELECTRONIC METERING, THERMOSTATIC MIXING VALVE, PRESSURE BALANCING VALVE WITH CHECK STOP, COLUMN BRACE TO BACKSPLASH. |
| P-5         | SINK<br>BARRIER FREE              | FRANKE<br>COMMERCIAL<br>ALBS2706P-1/3                       | MCGUIRE<br>H165LKN3 | CHICAGO<br>786-GN2A-<br>E35VP-317-<br>XK           | MCGUIRE<br>8912CB | 12             | 12  | 32    | 32   | COUNTERTOP MOUNT SINK, c/w TWO HANDLE FAUCETS PROVIDE IN-LINE CARTRIDGE TYPE DOMESTIC WATER FILTER PRIOR TO THE SHUT-OFF BALL VALVE SERVING THE EYEWASH STATION, POLISHED BRASS FAUCET SUPPLIES, MCGUIRE PROWRAP #PW2000WC SANITARY COVERING   |
| P-6         | DRINKING<br>FOUNTAIN              | ACORN AQUA<br>A151400B                                      | 12mm<br>BALL VALVE  | -  | -                 | 12             | -   | -     | -    | SS WALL HUNG DRINKING FOUNTAIN c/w 0824 CARRIER AND P-TRAP. ACTIVATED FROM FRONT PUSH PAD USING LESS THAN 2.27kg OF FORCE  |
| P-7         | SHOWER<br>TRIM                    | CHICAGO<br>FAUCETS<br>1902-CP<br>SHOWER VALVE               | 12mm<br>BALL VALVE  | CHICAGO<br>151-VB-WS                               | -                 | 12             | 12  | -     | -    | AMERICAN STANDARD T064.430 SERIN DIVERTER VALVE TRIM, AMERICAN STANDARD R420 DIVERTER VALVE, COMMERCIAL HANDSHOWER KIT SLIDE BAR 610mm. AND 1.5m FLEXIBLE HOSE   |
| P-8         | EMERGENCY<br>EYEWASH              | HAWS<br>7461  | 12mm<br>BALL VALVE  | -  | -                 | -              | -   | 38    | -    | PEDISTAL MOUNTED EYE WASH, STAINLESS STEEL FACE WASH BOWL c/w DUST COVER, FOOT OR HAND ACTIVATION, ANTI SURGE EYE WASH HEADS AND HAWS TEMPERED WATER STATION c/w JAY R. SMITH 2005A FLOOR DRAIN  |
| P-9         | NON-FREEZE<br>WALL HYDRANT        | WOODFORD<br>B67   | 19mm<br>BALL VALVE  | -  | -                 | 19             | -   | -     | -    | c/w THREADED HOSE CONNECTION AND BACKFLOW PREVENTER  |
| P-10        | SORTING TABLE<br>TRIM             | CHICAGO<br>FAUCETS<br>613-ABCP                              | 12mm<br>BALL VALVE  | -  | -                 | 12             | 12  | 32    | -    | c/w HOSE SPRAY 83-44 AND PRE-RINSE VALVE 90-ANG, FLOOR MOUNTED FOOT PEDAL 628-ABRCF AND THERMOSTATIC MIXING VALVE LEONARD 270, SINGLE INLET REMOTE FITTING 626-LESAB, NIPPLE SCREW 906-002, SP3524KJABCP BACKFLOW PREVENTER, ELBOW SWING ASSEMBLY AND ADAPTER  |

#### DOMESTIC HOT WATER RECIRCULATION SCHEDULE

| DESIGN. | SERVICE            | LOCATION       | MFRG./MODEL           | FLOW RATE (l/s) | TOTAL HEAD (m) | WATTS | RPM  | REMARKS   |
|---------|--------------------|----------------|-----------------------|-----------------|----------------|-------|------|---|
| RCP-1   | DOMESTIC HOT WATER | MECHANICAL 107 | ITT B&G SERIES NBF-36 | 0.32            | 4.6            | 270   | 3300 | LEAD FREE ALL BRONZE CONSTRUCTION SUITABLE FOR POTABLE WATER, RATED AT 1034 kPa. CONNECTION SIZE TO MATCH PIPING. THREE SPEED PUMP. |

#### DOMESTIC WATER HEATER SCHEDULE

| DESIGN. | MFRG./MODEL                | STORAGE CAPACITY (L) | WATER SUPPLY           | LOCATION       | REMARKS   |
|---------|----------------------------|----------------------|------------------------|----------------|---|
|         |                            |                      | INLET (mm) OUTLET (mm) |                |   |
| DHWT-1  | HTP SUPERSTOR ULTRA SSU-60 | 227                  | 25 25                  | MECHANICAL 107 | VERTICAL STAINLESS STEEL INDIRECT HOT WATER HEATER. |

#### DRAIN SCHEDULE

| DESIGN. | SERVICE                 | MFRG./MODEL                   | REMARKS  |
|---------|-------------------------|-------------------------------|--|
| FD-1    | GENERAL PURPOSE DRAIN   | WATTS FD-100-CL               | c/w POLISHED NICKEL BRONZE 125x125 STRAINER & FRAME, TRAP PRIMER CONNECTION, OUTLET TO MATCH PIPE SIZE, PROVIDE CLAMP RING FOR SEALING MEMBRANE WATERPROOF FLOORING SYSTEM WHERE APPLICABLE. REFER TO ARCHITECTURAL SPECIFICATIONS.  |
| FD-2    | SHOWER DRAIN            | SCHLUTER KERDI KD2/E/E        | c/w 100x100 STAINLESS STEEL GRATE, TRAP PRIMER CONNECTION, OUTLET TO MATCH PIPE SIZE, SUITABLE FOR MEMBRANE STYLE WATER PROOFING SYSTEM & BUILT-IN-PLACE TILE SHOWER. REFER TO ARCHITECTURAL SPECIFICATIONS. PROVIDE CLAMP RING FOR SEALING MEMBRANE WATERPROOF FLOORING SYSTEM WHERE APPLICABLE. REFER TO ARCHITECTURAL SPECIFICATIONS. |
| FD-3    | MECH. ROOM FLOOR DRAIN  | WATTS DRAINAGE FD-300         | CAST IRON HEAVY DUTY STRAINER, TRAP PRIMER CONNECTION, SEDIMENT BUCKET, OUTLET TO MATCH PIPE SIZE  |
| FD-4    | FUNNEL FLOOR DRAIN      | WATTS DRAINAGE FD-100-C-EG    | 125% NICKEL BRONZE STRAINER c/w OVAL FUNNEL, TRAP PRIMER CONNECTION, OUTLET TO MATCH PIPE SIZE   |
| FD-5    | HUB FLOOR DRAIN         | WATTS DRAINAGE FD-100-C-DD    | CAST IRON HUB, ADJUSTABLE HUB FUNNEL, TRAP PRIMER CONNECTION, SEDIMENT BUCKET, OUTLET TO MATCH PIPE SIZE   |
| FD-6    | HEAVY DUTY TRENCH DRAIN | WATTS DRAINAGE DEAD LEVEL "D" | 150mm WIDE PRE-SLOPED POLYPROPYLENE TRENCH DRAIN SYSTEM WITH DUCTILE IRON FLANGE & GRATE WITH "F" LOAD RATING, LENGTH AS INDICATED c/w CB2424T CATCH BASIN (w/TRASHBASKET)   |
| RD-1    | MAIN ROOF DRAIN         | WATTS RD-100-A-BED-K80-W      | CONTROL FLOW ROOF DRAIN c/w DECK PLATE, WATERPROOF FLANGE, 200mm HIGH ALUMINUM DOME, ACCUTROL 1 NOTCH WEIR, OUTLET TO MATCH PIPE SIZE  |