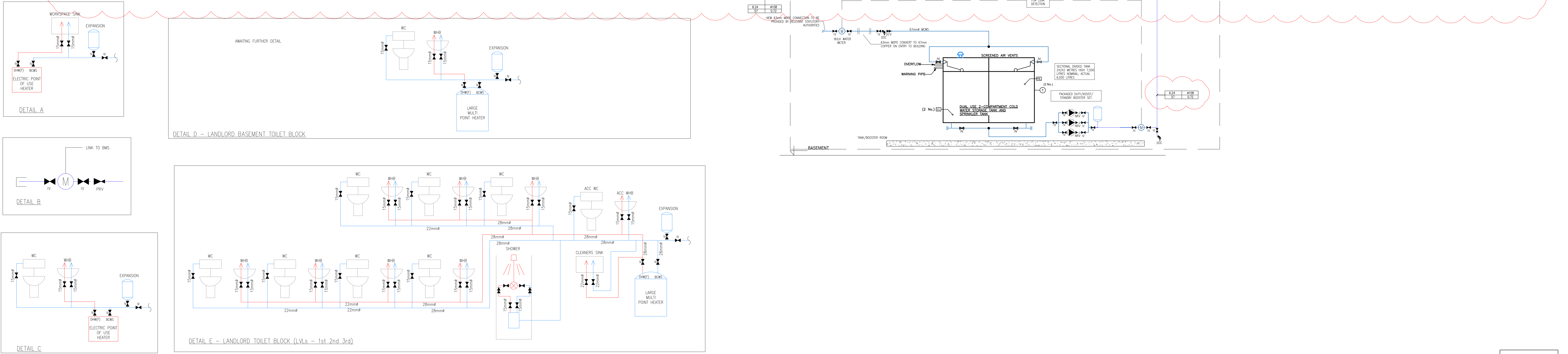
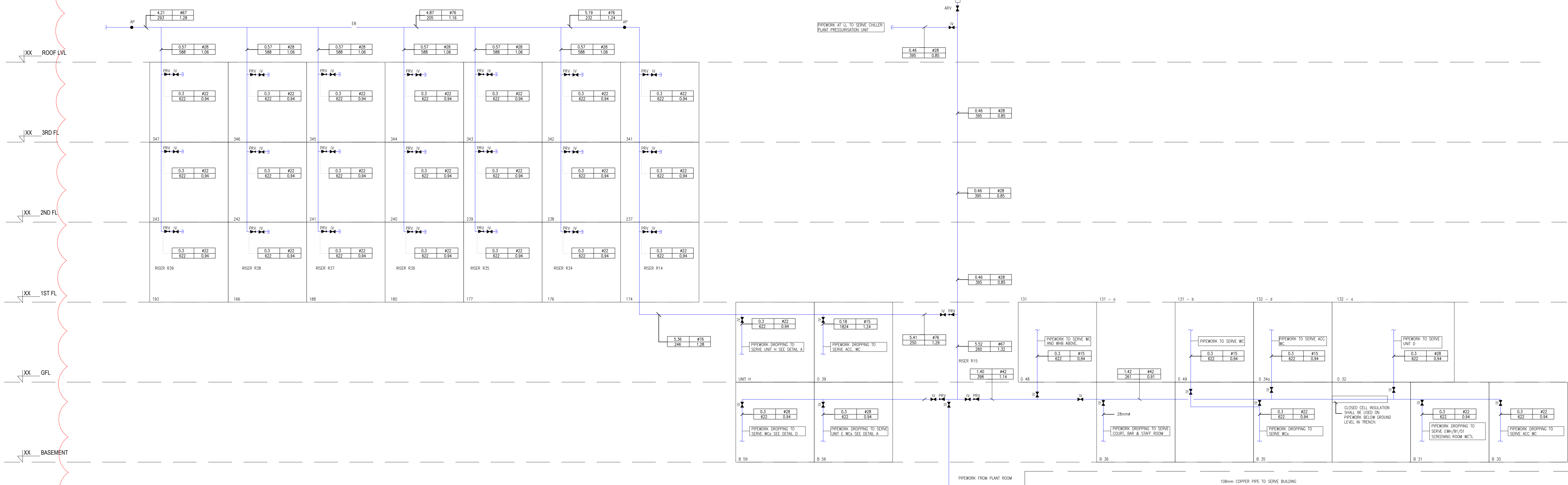
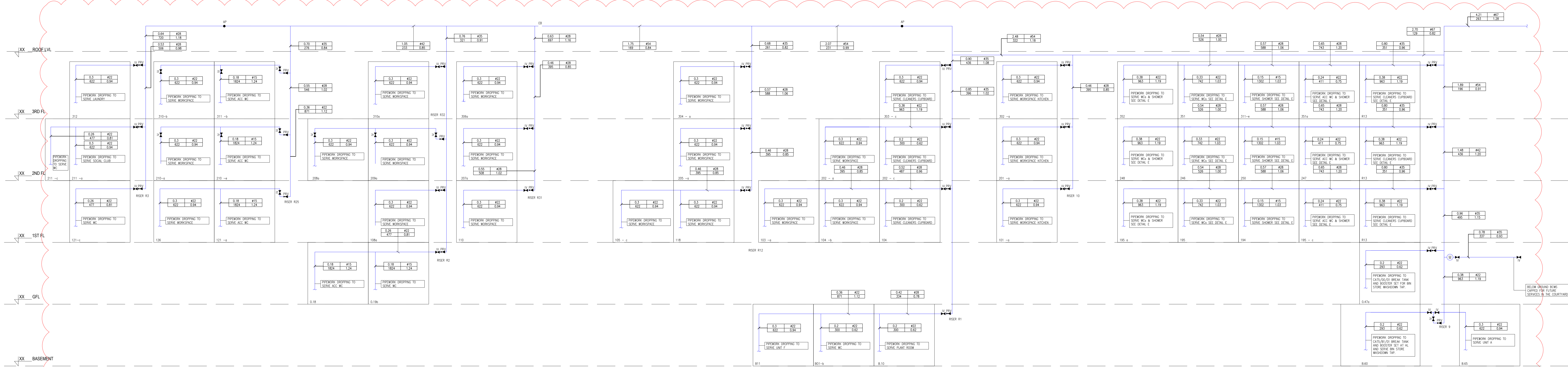




- NOTES
1. DO NOT SCALE FROM THIS DRAWING.
 2. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS. FABRICATOR OF PARTS, ORDERING MATERIALS OF COMMENCEMENT WORKS.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTING DRAWINGS, SPECIFICATIONS AND SCHEDULES.
 4. ANY PENETRATION THROUGH FLOOR, CEILING STRUCTURAL, ENGINEER APPROVAL, BEFORE COMMENCEMENT.
 5. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 6. HOT & COLD WATER SERVICES INSTALLATION
 7. ALL DOMESTIC WATER SERVICES PIPING IS TO BE INSTALLED IN COPPER WITH A THICKNESS IN ACCORDANCE WITH BS671 TABLE 4.
 8. ALL EXPOSED PIPING IN KITCHEN AND BATHROOM AREAS SHALL BE CHROME.
 9. ALL FITTINGS USED WITHIN THE DOMESTIC WATER SYSTEM SHALL BE WRAS APPROVED AND SUITABLE FOR USE IN A POTABLE WATER ENVIRONMENT.
 10. BACKFLOW PREVENTION SHALL BE PROVIDED WITHIN ALL WATER CONNECTIONS TO DISHWASHERS, WASHING MACHINES AND SHOWERS IN THE FORM OF DOUBLE CHECK VALVES.
 11. EXCESSIVE MAINS WATER PRESSURE AT THE POINT OF USE SHALL BE MITIGATED THROUGH THE USE OF PRESSURE REDUCING VALVES IF NECESSARY.
 12. BALLOON VALVES SHALL BE INSTALLED WITHIN THE DOMESTIC WATER SERVICES PIPING TO EACH OUTLET. THESE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE OUTLET AND THE VALVE ACTUATOR SHALL BE ORIENTED FOR EASE OF ISOLATION.
 13. ALL DOMESTIC WATER SERVICES PIPING SHALL BE ISOLATED WITH 100mm FACED MINERAL FIBRE INSULATION TO BS 5713. IN ADDITION, ANY PIPING WITHIN EXTERNAL OR UNHEATED SPACES SHALL BE DOUBLE INSULATED AND IF THERE IS A RISK OF FREEZING TRACED HEATED.
 14. FIRE STOPPING IS TO BE PROVIDED AT ALL INSTANCES WHERE PIPING PASSES THROUGH A FIRE COMPARTMENT.
 15. DISCHARGE FROM ALL SAFETY AND RELIEF VALVES ARE TO DISCHARGE TO DRAIN VIA A FLUSH WITH A VISIBLE AIR GAP IN A SAFE AND CONSPICUOUS LOCATION.
 16. ALL NEW MAINS PIPING IS TO BE PROVIDED WITH IDENTIFICATION TO BS 5713, INCLUDING DIRECTION OF FLOW AT REGULAR INTERVALS (MAX 5m).
 17. ALL HOT & COLD WATER SERVICES TO BE FLUSHED & STERILIZED IN ACCORDANCE WITH BS EN 806.
 18. ALL PIPING TO BE BORED IN TO ARCHITECT'S REQUIREMENT.
 19. ALL SANITARY WARE, TAPS, SHOWER MIXERS, SHOWER HEADS ETC TO BE INSTALLED AS SPECIFIED BY ARCHITECT.
 20. PIPING EXPANSION TO BE DESIGNED AND INSTALLED BY THE CONTRACTOR.

- SYMBOLS LEGEND
- MAINS COLD WATER (MOWS)
 - BOOSTED COLD WATER SERVICES (BOWS)
 - WATER METER
 - ISOLATION VALVE
 - STOPCOCK
 - PRESSURE REDUCING VALVE
 - AUTOMATIC AIR VENT
 - DOUBLE CHECK VALVE
 - CHECK VALVE
 - DIFFERENTIAL PRESSURE SWITCH
 - NON-RETURN VALVE
 - DRAIN OFF COOK
 - STRAINER
 - SURGE ARRESTOR VALVE
- ABBREVIATIONS
- P/W = PIPE WORK
 - L/A = LOW LEVEL
 - R/A = RISE TO ABOVE
 - FB = FLOW BELOW
 - CV = CEILING VOID
 - D/L = DROP TO LOW LEVEL

CROSSHAIR LEGEND:

DIAMETER (mm)

FLOW RATE (l/s) ——— X.XX X.XX

HEADLOSS (Pa/m) ——— X.XX X.XX

VELOCITY (m/s)