CONCORD REPATRIATION GENERAL HOSPITAL
HOSPITAL ROAD, CONCORD, NSW 2139
HYDRAULIC SERVICES
SCHEMATIC DESIGN ISSUE
NOT FOR CONSTRUCTION
PRELIMINARY

CONCORD REHABILITATION
GENERAL HOSPITAL

Level B1 - Inground Drainage Services

NOTES

SYSTEM INTERNAL TO THE BUILDING:

- THIS DRAWING IS NOT PREPARED TO SCALE FROM GENERAL HOSPITAL
- MATHS & LEVELS
- DIMENSIONS & LEVELS
- SUFFICIENTLY SIZED FOR
- MECHANICAL PLANT
- POOL/SECONDARY
- FIRE PUMP ROOM
- EDB
- HOT WATER PLANT
- COMPARE WITH AẤL SHEETS THROUGH THE PACKAGE
- EXIT LOBBY
- COURTYARD
- UPS ROOM
- 72.0 m²
- 19.0 m²
- 34.0 m²
- 4.5 m²
- 9.0 m²
- 58.5 m²
- 71.0 m²
- 8.5 m²
- 109.0 m²
- 2.5 m²
- 4.0 m²
- 4.0 m²
SANITARY PLUMBING AND SEWER DRAINAGE:
1. ALL WC'S ARE TO BE PROVIDED WITH A CLEAR OUT ADJACENT TO THE PAN, GROUP OF PANS OR AS SHOWN
2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A SECOND FLOOR WASTE WITHIN THE SHOWER AREA
3. ALL FLOOR WASTES THAT ARE NOT INSTALLED WITHIN PLANT ROOMS MUST BE CHARGED WITH A FIXTURE OR A TRAP PRIMING DEVICE. HOSE TAPS WILL NOT BE ACCEPTED AS A CHARGING DEVICE OUTSIDE OF PLANT ROOMS
4. VENTS ARE NOT TO BE TERMINATED IN THE PATH OF THE MECHANICAL OUTSIDE AIR SUPPLY.
5. PROVIDE FLOOR WASTES DISTRIBUTED THROUGH THE PLANT ROOM. CA
6. OVERFLOW SLOTS SHALL BE PROVIDED THROUGH THE FAÇADE ROOF DRAINAGE SYSTEM & STORMWATER DRAINAGE

LOWER GROUND LEVEL ZONE 1 - DRAINAGE SERVICES

CONCORD REPATRIATION GENERAL HOSPITAL

NOT FOR CONSTRUCTION
PRELIMINARY
SANITARY FILLING AND DRAINAGE:
1. All WC's are to be provided with a clear out adjacent to the rain/planter outlets.
2. Provide and install a floor waste within each wet area and a pan, group of pans or as shown.
3. Ensure the performance of the drains is designed for the area.
4. ALL DECKS INCLUDING ALL PLANTERS TO DRAIN INTO THE OSD. PROTECT SYSTEM INTERNAL TO THE BUILDING:
5. Provide and install a floor waste within each wet area and a pan, group of pans or as shown.

FACADE RUNOFF: 600 M2 / 36.5 L/SEC
CATCHMENT: 250 M2 / 15.5 L/SEC

2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A PAN, GROUP OF PANS OR AS SHOWN:
1. ALL WC'S ARE TO BE PROVIDED WITH A CLEAR OUT ADJACENT TO THE RAIN/PLANTER OUTLET QUANTITIES.

LEVEL 7, 177 PACIFIC HWY
FAX: +61 2 9928 2510
TEL: +61 2 9928 2100

CONCORD REHABILITATION
GENERAL HOSPITAL

Ground Level Zone 2 - Drainage Services
SYNTHETIC FIBER AND SEWER DRAINAGE:

1. Ensure the roof drainage systems are designed for a 1:100 year storm event.
2. Ensure the stormwater drainage system is designed for a 1:100 year storm event.
3. All floor wastes that are not installed within plant rooms will not be accepted as a charging device outside of plant rooms.
4. Vents are not to be terminated in the path of the mechanical systems.
5. Overflows shall be provided through the facade.
6. Overflows shall be provided through the facade.

ROOF DRAINAGE SYSTEM & STORMWATER DRAINAGE SYSTEM INTERNAL TO THE BUILDING:

1. Ensure the roof drainage systems are designed for a 1:100 year storm event.
2. Ensure the roof drainage systems are designed for a 1:100 year storm event.
3. All floor wastes that are not installed within plant rooms will not be accepted as a charging device outside of plant rooms.
4. Vents are not to be terminated in the path of the mechanical systems.
5. Overflows shall be provided through the facade.
6. Overflows shall be provided through the facade.

SANITARY PLUMBING AND SEWER DRAINAGE:

1. All WC's are to be provided with a clear out adjacent to the sanitary plumbing and sewer drainage.
2. ENSURE THE ROOF DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.
3. All floor wastes that are not installed within plant rooms will not be accepted as a charging device outside of plant rooms.
4. Vents are not to be terminated in the path of the mechanical systems.
5. Overflows shall be provided through the facade.
6. Overflows shall be provided through the facade.

Other notes:

6. Overflow slots shall be provided through the facade.
7. Overflow slots shall be provided through the facade.
SANITARY PIPING AND SEWER DRAINAGE:
1. All drainage and sanitary work shall be carried out in accordance with the relevant codes.
2. Ensure all drainage systems are designed to accommodate a 1% gradient.
3. Ensure all drainage systems are designed to accommodate a 1% gradient.
4. Ensure all drainage systems are designed to accommodate a 1% gradient.
5. Ensure all drainage systems are designed to accommodate a 1% gradient.
6. Ensure all drainage systems are designed to accommodate a 1% gradient.

STORMWATER DRAINAGE SYSTEM:
1. Ensure all drainage systems are designed to accommodate a 1% gradient.
2. Ensure all drainage systems are designed to accommodate a 1% gradient.
3. Ensure all drainage systems are designed to accommodate a 1% gradient.
4. Ensure all drainage systems are designed to accommodate a 1% gradient.
5. Ensure all drainage systems are designed to accommodate a 1% gradient.
1. Ensure the roof drainage systems are designed for a 1:100 year rain event.
2. Roof drainage systems are to include a minimum of 500mm diameter letterbox gullies with siphonic outlets in the secondary system.
3. Roof drainage systems are to be designed for a 1:100 year rain event.
4. Vents are not to be terminated in the path of the mechanical services or wiring.
5. Overflow slots shall be provided through the façade.

NOTE: DRAWN AS NOT SCALE FROM MEDC Sheet Size: 4.5 m²
All decks including all planters to drain into the OSD. Protect roof drainage system & stormwater drainage.
3. REFER TO THE LANDSCAPE ARCHITECT’S PLANS TO ESTABLISH ROOF DRAINAGE SYSTEM & STORMWATER DRAINAGE.

4. VENTS ARE NOT TO BE TERMINATED IN THE PATH OF THE MECHANICAL OUTSIDE AIR SUPPLY.

5. PROVIDE FLOOR WASTES DISTRIBUTED THROUGH THE PLANT ROOM. CAUTION WITH RESPECT TO PREVENTION OF ENCROACHMENT OF STRATA

SANITARY FILLING AND SEWER DRAINAGE:

1. ALL STACKS PROVIDED IN THE LEVEL 3 CEILING SPACE ARE TO BE PROVIDED WITH A CAPPED JUNCTION IF NO CONNECTION IS REQUIRED FROM THE OFFICE FITOUT FOR THE FUTURE CONVERSION INTO IPUs.

2. ALL RELIEF VENTS IN THE LEVEL 4 CEILING SPACE ARE TO BE PROVIDED WITH A CAPPED JUNCTION IF NO CONNECTION IS REQUIRED FROM THE OFFICE FITOUT FOR THE FUTURE CONVERSION INTO IPUs.

NOTE: THIS DESIGN IS NOT TO SCALE. CHECK & DIMENSIONS & LEVELS FROM NOT SCALE DRAWINGS, CHECK & NOT SCALE FROM

CONCORD REPATRIATION GENERAL HOSPITAL

Level 04 Zone 2 - Drainage

NEWB-HY-DRG-0211

LEVEL 1, 55 PACIFIC HWY
LEVEL 1, 55 PACIFIC HWY
NEWCASTLE, NSW 2300
NEWCASTLE, NSW 2300
AUSTRALIA
AUSTRALIA

ARCHITECT
ARCHITECT

TITLE
TITLE

SCALE
SCALE

CHECKED
CHECKED

DESIGNED APPROVED
DESIGNED APPROVED

DRAWN
DRAWN

COMMENCEMENT OF WORK
COMMENCEMENT OF WORK

WRITTEN PERMISSION OR WHOLE WITHOUT BEFORE DIMENSIONS & LEVELS

COMMENCEMENT OF WORK
COMMENCEMENT OF WORK

BEFORE COMMENCEMENT OF WORK
BEFORE COMMENCEMENT OF WORK

NOT FOR CONSTRUCTION
NOT FOR CONSTRUCTION

PRELIMINARY
PRELIMINARY

TWA
TWA

NEWB-HY-DRG-0211
NEWB-HY-DRG-0211

2 2
3. REFER TO THE LANDSCAPE ARCHITECT’S PLANS TO ESTABLISH SYSTEM INTERNAL TO THE BUILDING:

- ROOF DRAINAGE SYSTEM & STORMWATER DRAINAGE SYSTEM INTERNAL TO THE BUILDING:
  1. COMPLIES WITH BCA R11.6.3.
  2. ALL FLOOR WASTES THAT ARE NOT INSTALLED WITHIN PLANT ROOMS ARE CONNECTED TO THE DRAINAGE SYSTEM.
  3. OVERFLOW SLOTS SHALL BE PROVIDED THROUGH THE FAÇADE.
  4. PIPEWORK IS NOT SCALE FROM DRAWINGS, CHECK & REV AMENDMENT DATE BEFORE ISSUE.
  5. PIPEWORK IS NOT SCALE FROM DRAWINGS, CHECK & REV AMENDMENT DATE BEFORE ISSUE.

6. OUTSIDE AIR SUPPLY.
LETTERBOX OVERFLOWS THROUGH THE HOB @ 1%
SECONDARY SYSTEM: 1 X 100MM X 500MM

FACADE RUNOFF: 14 M² / 1 L/SEC
CATCHMENT: 105 M² / 6.5 L/SEC

PRIMARY SYSTEM: SIPHONIC OUTLETS
SETDOWN: 150MM HOB
FACADE RUNOFF: 9 M² / 0.7 L/SEC
CATCHMENT: 67 M² / 4.5 L/SEC

LETTERBOX OVERFLOWS THROUGH THE HOB @ 1%
SECONDARY SYSTEM: 1 X 100MM X 500MM
SETDOWN: 150MM HOB
FACADE RUNOFF: 95 M² / 6 L/SEC
CATCHMENT: 105 M² / 6.5 L/SEC

SECONDARY SYSTEM: 1 X 100MM X 500MM

SECONDARY SYSTEM: 4 X 100MM X 500MM LETTERBOX
PRIMARY SYSTEM: 600MM WIDE X 350MM HIGH BOX
FACADE RUNOFF: 105 M² / 6.5 L/SEC

OVERFLOWS THROUGH THE PARAPET @ 1%
SECONDARY SYSTEM: 2 X 100MM X 500MM LETTERBOX
GUTTER WITH SIPHONIC OUTLETS
PRIMARY SYSTEM: 600MM WIDE X 350MM HIGH BOX

OVERFLOWS THROUGH THE HOB @ 1%
SECONDARY SYSTEM: 1 X 100MM X 500MM
TRENCH GRATES PROVIDED AT ALL DOORWAYS
CATCHMENT: 166 M² / 10 L/SEC
1. ENSURE THE ROOF DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.

2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A FLOOR WASTE WITHIN EACH WET AREA FOR ANY ADDITIONAL WET AREA.

3. REFER TO THE LANDSCAPE ARCHITECT'S PLANS TO ESTABLISH DIMENSIONS & LEVELS & POSITIONED TO AVOID THE LIFT CORE.

A NEW OVERFLOW WILL NEED TO BE PROVIDED MATCHING THE EXISTING DIMENSIONS.

OVERFLOW FROM THE EXISTING BUILDING 5 IS AFFECTED BY THE NEW LIFT CORE.

2. PROVIDE A FLOOR WASTE WITHIN EACH WET AREA.

4. OVERFLOW SLOTS SHALL BE PROVIDED THROUGH THE FAÇADE.

5. PROVIDE FLOOR WASTES DISTRIBUTED THROUGH THE PLANT ROOM.

6. OVERFLOW SLOTS SHALL BE PROVIDED THROUGH THE FAÇADE.

SYSTEM INTERNAL TO THE BUILDING:

SANITARY PLUMBING AND SEWER DRAINAGE:

1. ENSURE THE STORMWATER DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.

2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A FLOOR WASTE WITHIN EACH WET AREA FOR ANY ADDITIONAL WET AREA.

3. REFER TO THE LANDSCAPE ARCHITECT'S PLANS TO ESTABLISH DIMENSIONS & LEVELS & POSITIONED TO AVOID THE LIFT CORE.

A NEW OVERFLOW WILL NEED TO BE PROVIDED MATCHING THE EXISTING DIMENSIONS.

OVERFLOW FROM THE EXISTING BUILDING 5 IS AFFECTED BY THE NEW LIFT CORE.

1. ENSURE THE ROOF DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.

2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A FLOOR WASTE WITHIN EACH WET AREA FOR ANY ADDITIONAL WET AREA.

3. REFER TO THE LANDSCAPE ARCHITECT'S PLANS TO ESTABLISH DIMENSIONS & LEVELS & POSITIONED TO AVOID THE LIFT CORE.

A NEW OVERFLOW WILL NEED TO BE PROVIDED MATCHING THE EXISTING DIMENSIONS.

OVERFLOW FROM THE EXISTING BUILDING 5 IS AFFECTED BY THE NEW LIFT CORE.
SANITARY PLUMBING AND SEWER DRAINAGE:
1. ALL WC'S ARE TO BE PROVIDED WITH A CLEAR OUT ADJACENT TO THE PAN, GROUP OF PANS OR AS SHOWN
2. PROVIDE AND INSTALL A FLOOR WASTE WITHIN EACH WET AREA AND A SECOND FLOOR WASTE WITHIN THE SHOWER AREA
3. ALL FLOOR WASTES THAT ARE NOT INSTALLED WITHIN PLANT ROOMS MUST BE CHARGED WITH A FIXTURE OR A TRAP PRIMING DEVICE. HOSE TAPS WILL NOT BE ACCEPTED AS A CHARGING DEVICE OUTSIDE OF PLANT ROOMS
4. VENTS ARE NOT TO BE TERMINATED IN THE PATH OF THE MECHANICAL OUTSIDE AIR SUPPLY.
5. PROVIDE FLOOR WASTES DISTRIBUTED THROUGH THE PLANT ROOM. CARE MUST BE TAKEN TO ENSURE THE TRAP CONNECTIONS ARE ACCURATELY INSTALLED AND THAT THE FixTURES ARE PROPERLY CONNECTED.

ROOF DRAINAGE SYSTEM & STORMWATER DRAINAGE SYSTEM RETURN TO THE BUILDING:
1. OVERFLOW SLOTS SHALL BE PROVIDED THROUGH THE FAÇADE OR FAÇADES TO REDUCE THE IMPACT OF EXTERNAL FORCES ON THE BUILDING.
2. ENSURE THE ROOF DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.
3. ENSURE THE STORMWATER DRAINAGE SYSTEMS ARE DESIGNED FOR A 1:100 YEAR STORM EVENT.
4. REFER TO THE LANDSCAPE ARCHITECT'S PLANS TO ESTABLISH RAIN/PLANTER OUTLET QUANTITIES.
5. ALL DECKS INCLUDING ALL PLANTERS TO DRAIN INTO THE OSD. PROTECT ALL DOORWAYS WITH TRENCH DRAINS. OVERFLOWS ARE TO BE PROVIDED IN ACCORDANCE WITH FP1.2 AND FP1.3 OF THE BCA AND ALLOW FOR 100% BLOCKAGE. THERE MUST BE SET DOWNS OF 150mm WHEN MEASURED FROM THE FINISHED INTERNAL FLOOR LEVEL TO THE EXTERNAL LEVEL TO COMPLY WITH FP1.2 AND FP1.3 OF THE BCA.
Refer to architectural drawings for TMV and RPZD set outs and

---

**Notes:**

1. TMV allowances are to be based on the room data sheets (3.5 Valves). Provide isolation valves for every take off adjacent to TMVs.

2. Provide hose taps for plant rooms, facade cleaning and water filtration. Trolleys will be provided within the patient bay. Provide hose taps distributed around the plant room at a minimum length and diameter, to reduce the amount of non-circulating water within the pipework and reduce the wait time for hot or warm water at the outlet.

3. Cross-linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, is to be extended to provide in ceiling isolation valves for every take off adjacent to TMVs.

4. Provide in ceiling isolation valves for every take off adjacent to TMVs.

5. Provide isolation valves for every take off adjacent to TMVs.

6. Provide isolation valves for every take off adjacent to TMVs.

7. Provide isolation valves for every take off adjacent to TMVs.

8. Provide isolation valves for every take off adjacent to TMVs.

---

**Architectural Details Sheets and Architectural Room Data Areas that do not have ceiling tiles. Ring mains need not extend into areas that are non-clinical such as office areas. No more than four valves (4 valves) isolation to enable refurbishment of wings and the TMV/valve box, provide in ceiling isolation valves for every take off adjacent to TMVs.

---

**WATER SERVICES:**

1. All TMVs are to be based on the TMV data sheets.

2. All TMVs are to be based on the TMV data sheets.

3. All TMVs are to be based on the TMV data sheets.

4. All TMVs are to be based on the TMV data sheets.

5. All TMVs are to be based on the TMV data sheets.

---

**Mechanical Plant: Pumps and Filters:**

1. The thermostatic mixing valves are to be monitored by Enware.

2. Provide hose taps for plant rooms, facade cleaning and water filtration. Trolleys will be provided within the patient bay. Provide hose taps distributed around the plant room at a minimum length and diameter, to reduce the amount of non-circulating water within the pipework and reduce the wait time for hot or warm water at the outlet. It is desirable to keep all circulating water within the pipework and reduce the wait time for hot or warm water at the outlet.

3. Provide cold water using 20mm copper tube and hot water pipework is drawn as symbol.

4. Keep all hot and warm water non-circulating branches to a minimum length and diameter, to reduce the amount of non-circulating water within the pipework and reduce the wait time for hot or warm water at the outlet.

5. Provide cold water using 20mm copper tube and hot water pipework is drawn as symbol.

6. Keep all hot and warm water non-circulating branches to a minimum length and diameter, to reduce the amount of non-circulating water within the pipework and reduce the wait time for hot or warm water at the outlet.

---

**HOT WATER PLANT: Pumps and Filters:**

1. Provide isolation valves for every take off adjacent to TMVs.

2. Provide isolation valves for every take off adjacent to TMVs.

3. Provide isolation valves for every take off adjacent to TMVs.

4. Provide isolation valves for every take off adjacent to TMVs.

5. Provide isolation valves for every take off adjacent to TMVs.

---

**General Hospital:**

1. Newbry St. Hospital Ltd. is to be monitored by Enware with separate monitors for each valve.

2. Newbry St. Hospital Ltd. is to be monitored by Enware with separate monitors for each valve.

3. Newbry St. Hospital Ltd. is to be monitored by Enware with separate monitors for each valve.

4. Newbry St. Hospital Ltd. is to be monitored by Enware with separate monitors for each valve.

5. Newbry St. Hospital Ltd. is to be monitored by Enware with separate monitors for each valve.

---

**Architectural Details Sheets and Architectural Room Data Areas that do not have ceiling tiles. Ring mains need not extend into areas that are non-clinical such as office areas. No more than four valves (4 valves) isolation to enable refurbishment of wings and the TMV/valve box, provide in ceiling isolation valves for every take off adjacent to TMVs.

---

**NOT FOR CONSTRUCTION:**

1. Not for construction preliminary.
TREAT HWB 1.0 m²
TREAT 1.0 m²
MEETING

WORKSTATIONS 35.0 m²

G0241

TREAT

G0303
CORRIDOR

9.5 m²
6.5 m²
ENS

G0338

9.0 m²

G0231

PLANT

G0225

WCAC-ST

G0114

STAFF HUB

CORRIDOR

G0308

EQ BAY

40.5 m²

2.0 m²

G0354

WCAC

EQ STORE

CORRIDOR

G0237

29.0 m²

H/W BAY

PCW 50

MEAL BAY

2.0 m²

G0333

RISER

G02100

CORRIDOR

G0403

15.0 m²

G0342

D

G0280

13.5 m²

2.5 m²

G0911

G0833

G0904

BBEV

13.5 m²

CORRIDOR

G0857

BLIN

11.5 m²

2.0 m²

G0815

CONS

CORRIDOR

G0930

19.0 m²

G0907

19.0 m²

G0810

5.5 m²

29.0 m²

G0815

OFF-WS

1.0 m²

1.0 m²

5.5 m²

59.0 m²

CORRIDOR

G1155

156.0 m²

156.0 m²

1.0 m²

1.0 m²

19.5 m²

19.5 m²

5.0 m²

5.0 m²
1. PROVIDE HOSE TAPS FOR PLANT ROOMS, FACADE CLEANING AND

2. KEEP ALL HOT AND WARM WATER NON-CIRCULATING BRANCHES TO A

3. PROVIDE COLD WATER AREA HOSE TAPS (WHEN NOT REQUIRED)

4. KEEP ALL HOT OR WARM WATER AT THE OUTLET. IT IS DESIRABLE TO KEEP ALL

5. PREFERABLE MAXIMUM LENGTH OF 15m WITHIN GENERAL AREAS

6. INTERNATIONAL TRAVELLERS/STAFF - TO BE EXTENDED

7. PROVIDE IN CEILING ISOLATION VALVES FOR EVERY TAKE OFF ADJACENT

ROOMS. REFER TO THE HYDRAULIC SCHEMATIC DRAWINGS FOR GENERIC

GENERAL HOSPITAL

NOT SCALE FROM

THE TMVs LOCATED ON THE DRAWINGS ARE TO DISPLAY A CONCEPT ONLY

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.

THE TMVs AND RPZDs SHOULD NOT BE INSTALLED IN

ACTUAL LOCATIONS. THE TMVs AND RPZDs SHOULD NOT BE INSTALLED IN

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.

THE TMVs LOCATED ON THE DRAWINGS ARE TO DISPLAY A CONCEPT ONLY

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.

THE TMVs LOCATED ON THE DRAWINGS ARE TO DISPLAY A CONCEPT ONLY

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.

THE TMVs LOCATED ON THE DRAWINGS ARE TO DISPLAY A CONCEPT ONLY

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.

THE TMVs LOCATED ON THE DRAWINGS ARE TO DISPLAY A CONCEPT ONLY

AND ARE NOT NECESSARILY QUANTIFIABLE IN ALL INSTANCES.
WATER SERVICES:

1. ALL TMV ALLOWANCES ARE TO BE BASED ON THE ROOM DATA SHEETS.
2. PROVIDE HOSE TAPS FOR PLANT ROOMS, FACADE CLEANING AND hochuchen sie bitte eine ausführliche kundengerechte Übersetzung in deutscher Sprache.

LEVEL 7, 177 PACIFIC HWY
COMMENCEMENT OF CONSTRUCTION
AND PARTNERS.

NOT SCALE FROM DRAWING NO.

PRELIMINARY

GENERAL HOSPITAL

DESIGNED APPROVED

CHECKED

SCALE

NSW GOVERNMENT

CONCORD REPATRIATION
GENERAL HOSPITAL

Level 02 Zone 1 - Water Services

NOT FOR CONSTRUCTION
PRELIMINARY

NEWB-HY-DRG-0307

JACOBS

LEVEL 1, 17 PACIFIC HWY
SYDNEY NSW AUSTRALIA

TEL: +61 2 9928 2100
FAX: 1300 307 477

WATER FILTRATION). TROLLEYS WILL BE PROVIDED WITHIN THE PATIENT CARE AREAS THAT ARE NON-CLINICAL SUCH AS OFFICE AREAS. NO MORE THAN ONE BALANCING VALVES SHALL BE PROVIDED PER RING MAIN."
1. TMV allowances are to be based on the room data sheets supplied with the project.

2. The thermostatic mixing valves are to be monitored by Enware.

3. Provide hose taps for plant rooms, facade cleaning and patho-logy where these lengths may need to be exceeded.

4. Keep all hot and warm water non-circulating branches to a maximum distance as indicated.

5. Provide cold water points with backflow prevention and a dead leg where necessary.

6. The piping layout is drawn as a general representation of the proposed system.

7. Provide hose taps for plant rooms, facade cleaning and patho-logy.

8. The TMMVs are to be monitored by Enware.

9. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

10. Cross linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

11. Hose taps with threaded outlets are to be provided at the main supply pipes.

12. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

13. Cross linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

14. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

15. Cross linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

16. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

17. Cross linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

18. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

19. Cross linked P.E (REHAU) 22mm for cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

20. Provide a hose vacuum breaker on all cold water and 16mm for hot and warm water, to be extended to the main supply pipes.

Note: All dimensions are to be measured from the back of the fixture and are not necessary for construction purposes.
5. Main on floor delivery pipework to clinical areas shall form ring mains. These ring mains shall be provided with at least 25% static pressure exceeds 500kPa for the cold, hot and warm water for the area served. Cross linked P.E (REHAU) 22mm for non-circulating branch pipes under 10m in length with a static pressure exceeding 500kPa at actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings are to display a concept only. The actual TMVs are to be installed at the actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings.

6. Provide hose taps for plant rooms, facade cleaning and irrigation where required with suitable backflow prevention.

7. Provide hose taps distributed around the plant room at a maximum distance of 20m from the TMV/valve box. Refer to the hydraulic schematic drawings for generic sheets for fixture types, location and number within the plant rooms. Refer to the hydraulic schematic drawings for generic sheets for fixture types, location and number within the plant rooms.

8. The thermostatic mixing valves are to be monitored by Enware.

9. Provide cold water points with backflow prevention and a dead leg between floor viewed pipework is drawn as hydraulic services. The pipe work is indicated in part from Warren Smith before not scale from actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings are to display a concept only. The actual TMVs are to be installed at the actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings.

10. All the hatches are true based on the Revit project. All the dimensions and sizes are not necessary on project.

11. All the dimensions and sizes are not necessary on project before not scale from actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings are to display a concept only. The actual TMVs are to be installed at the actual locations. The TMVs and RPZDs should not be installed in the TMVs located on the drawings.
REFER TO ARCHITECTURAL DRAWINGS FOR TMV AND RPZD SET OUTS AND

1. The TMVs and RPZDs are to be installed in the areas specified on the architectural drawings. They are not to be installed in areas such as office areas. No more than one balancing valve shall be provided per ring mains. These ring mains shall be provided with at least 25% hose taps with threaded outlets.

2. For hose taps within other areas such as plant rooms, the TMVs and RPZDs should not be installed in actual locations or locations that are difficult to access. The TMVs and RPZDs should be installed in areas that do not have ceiling tiles. Ring mains need not extend into areas that are non-clinical such as office areas. No more than one balancing valve shall be installed in the main accessible riser main. Hose taps shall be installed in the main riser main to contain the isolation and pressure reduction valves (if the supply all hose taps within wet areas from the TMV/valve box into areas that are non-clinical, such as office areas, no more than one balancing valve shall be provided per ring mains. These ring mains shall be provided with at least 25% hose taps with threaded outlets.

3. Cross-linked PE (REHAU) 22mm for water for the area served. The hose taps within the plant rooms are to be installed in the main accessible riser main to contain the isolation and pressure reduction valves (if the supply all hose taps within the wet areas from the TMV/valve box into areas that are non-clinical, such as office areas, no more than one balancing valve shall be provided per ring mains. These ring mains shall be provided with at least 25% hose taps with threaded outlets.

4. The TMVs and RPZDs are to be monitored by Enware. No more than one balancing valve shall be provided per ring mains. These ring mains shall be provided with at least 25% hose taps with threaded outlets.

5. Hose taps shall be distributed around the plant rooms at a minimum length and diameter to reduce the amount of non-typical water supply layouts.

6. Any other marking that is not included on the drawings shall be provided per new project. Hose taps shall be provided for plant rooms, office areas, and areas that do not have ceiling tiles. Ring mains need not extend into areas that are non-clinical, such as office areas.

7. Any other marking that is not included on the drawings shall be provided per new project. Hose taps shall be distributed around the plant rooms at a minimum length and diameter to reduce the amount of non-typical water supply layouts.
REFER TO ARCHITECTURAL DRAWINGS FOR TMV AND RPZD SET OUTS AND

FLASHING EXIST DUCT DUCT

HIGHLAT @1250M

LIFT LOBBY

LIFT LOBBY

GENERAL STORE

1 BED

4 BED

1 YD C

DU CORRIDOR

TROLLEY

COMMS.

BAY STAFF WC

HYD

MOB.

BAY FHR/FH

YD

H

HW

YD

YD

H

CUPB'D T

DU T

C

YD 5IP137B

WASH &

DUCT DUCT DUCT

CORRIDOR

TROLLEY

COMMS.

BAY STAFF WC

HYD

MOB.

BAY FHR/FH

YD

H

HW

YD

YD

H

CUPB'D T

DU T

C

YD 5IP137B

WASH &

DUCT DUCT DUCT

CORRIDOR

TROLLEY

COMMS.

BAY STAFF WC

HYD

MOB.

BAY FHR/FH

YD

H

HW

YD

YD

H

CUPB'D T

DU T

C

YD 5IP137B

WASH &
9. Cold water points with backflow prevention and a dead leg flushing system shall be provided wherever dialysis units (via irrigation where required with suitable backflow prevention). Non-circulating branch pipes under 10m in length with a static pressure exceeds 500kPa) for the cold, hot and warm water for the area served. Cross linked P.E (REHAU) 22mm for flushing system shall be provided where dialysis units (via irrigation where required with suitable backflow prevention).

8. The thermostatic mixing valves are to be monitored by Enware.

6. No more than one balancing valves shall be provided per ring main. These ring mains shall be provided with at least 25% excess capacity. A hose vacuum breaker on all water for the area served. Cross linked P.E (REHAU) 22mm for flushing system shall be provided where dialysis units (via irrigation where required with suitable backflow prevention). Non-circulating branch pipes under 10m in length with a static pressure exceeds 500kPa) for the cold, hot and warm water for the area served. Cross linked P.E (REHAU) 22mm for flushing system shall be provided where dialysis units (via irrigation where required with suitable backflow prevention).

5. Ensure that the balanced valves shall be pressure tested. Provide a hose vacuum breaker on all water for the area served. Cross linked P.E (REHAU) 22mm for flushing system shall be provided where dialysis units (via irrigation where required with suitable backflow prevention). Non-circulating branch pipes under 10m in length with a static pressure exceeds 500kPa) for the cold, hot and warm water for the area served. Cross linked P.E (REHAU) 22mm for flushing system shall be provided where dialysis units (via irrigation where required with suitable backflow prevention).

4. Provide cold water points (in the plant room) at a point of water filtration). Trolleys will be provided within the patient areas.

3. Provide cold water points (in the plant room) at a point of water filtration). Trolleys will be provided within the patient areas.

2. Provide cold water points (in the plant room) at a point of water filtration). Trolleys will be provided within the patient areas.
REFER TO ARCHITECTURAL DRAWINGS FOR TMV AND RPZD SET OUTS AND

STAIR 1

PCW 100
PHW 100
50
PHWR 50
PCW 150
(Cu)
(Cu)
(Cu)

STOP VALVES AND BALANCING VALVES
CUPBOARD WITH DOOR ACCESS TO MAIN
MAIN HYDRAULIC WALK

WEIGHT: 160,000 KG
10.5M X 6M X 3M

DIVISION WALL
BMCS: DOSING UNIT AND PUMP
ELEC. REQ.: 6xGPO's
AUTOMATIC CHLORINE DOSING
CAPABLE OF 2.70 L/S.

C.STAIR 4

PCWRM
DU
PCW 150
WC
BAY
HW
PHW 100

1 BED
PURPOSE
MULTI
ENS
PCW 150
PHW 100
NG 100
(Cu)

FILTERS POST THE TANK
PCWRM TO PASS THROUGH 50 MICRON AND UV
BMCS: MONITOR PUMPS, UV LEVEL.
AND DUAL 100 MICRON, 50 MICRON + UV FILTERS
TRIPLEX VSD PUMPS CAPABLE OF 15 L/s @ 350 kPa
BMCS: MONITOR PUMPS.

ELECTRICAL REQ.: 0.3kW, 1A, 6, 230V
5 x 410L STORAGE TANKS
HWR PUMPS

PRELIMINARY

NOT FOR CONSTRUCTION
PRELIMINARY