

--

Equip
Alcv
2.11.07

IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION

RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

RESPONSIBILITY FOR REPAIR, SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

+ ELECTRICAL WORK/INSTALLATION/BAXTER SUPPLY TRANSFORMER TO POWER THE R.O./HW UNITS
+ **ALL HAND TERMINATED CAT-6e CABLES INSTALLED MUST BE TESTED FOR DATA TRANSFER RATE AND CONTINUITY. TESTING DATA CERTIFICATE(S) MUST BE PROVIDED TO BAXTER**
+ REMOTE ALARM(S), CLINIC PANEL, DUPLEX JUNCTION BOX(S) (LOCATION GIVEN BY THE HOSPITAL)
+ ALL CONDUIT RUNS
+ ALL WIRE CONTAINED WITHIN CONDUIT RUNS
ABOVE NOTED WORK FALLS UNDER THE RESPONSIBILITY OF DIVISION 16

THE CLINIC PANEL ASSEMBLY AND ALARM TOWER WILL BE PROVIDED, INSTALLED AND TERMINATED BY BAXTER AT THE PRE-DETERMINED LOCATION, GIVEN BY THE HOSPITAL.

CAT 6e CABLE
ELECTRICAL POWER
8 CONDUCTOR 20-22 AWG BELDEN CABLE

LEGEND

NOTE: 1

ALL CIRCUIT # 2 BREAKERS AT ELECTRICAL PANEL BOX ARE 115 VAC, 15 AMP-GFI, DEDICATED CIRCUIT ON EMERGENCY POWER. DUPLEX RECEPTACLES FOR CIRCUIT 2 ARE HOSPITAL GRADE, 120 VAC, 15 AMP HEAVY DUTY, GROUNDED, MOUNTED 88 INCHES (2235 MM) ABOVE FINISHED FLOOR PAD.

NOTE: 2

CIRCUIT # 3 BREAKER AT ELECTRICAL PANEL BOX IS 250 VAC, 15 AMP, , DEDICATED CIRCUIT ON EMERGENCY POWER. SINGLE RECEPTACLE IS 250 VAC, 15 AMP (TYPE 6-15R) HEAVY DUTY, GROUNDED, MOUNTED 20 INCHES (500MM) AFF. **BOOSTER PUMP SPEC:** 208 VAC, 20A, 1 PHASE, 1 HP. NON GFI CIRCUIT (PLUG-IN)

NOTE: 3

CLINIC PANEL: MOUNT ~ 1436mm (56.5") ABOVE FINISHED FLOOR AT THE NURSE STATION. OTHERS TO PROVIDE AND INSTALL 3 x DUPLEX JUNCTION BOXES - GANGED TOGETHER AT 1848mm (72.8") IN-LINE WITH THE CLINIC PANEL. OTHERS TO PROVIDE 1 x 120 VOLT-15A POWER RECEPTACLE TO **J-BOX#1**, 120 VOLT POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT. OTHERS TO PROVIDE CAT6e ETHERNET CABLE WITHIN CONDUIT FROM **RO # 1 [2] TO J-BOX#2**. TERMINATE CAT6e CABLE ENDS WITH MALE RJ45 AT EACH END. LEAVE EXTRA 3-5 FOOT CABLE EACH END. OTHERS TO PROVIDE 1 x 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM **J-BOX#3**, TO ALARM LIGHT TOWER IN TECHNICAL ROOM OR OTHER HOSPITAL DESIGNATED SPACE (TO BE CONFIRMED). LEAVE EXTRA 3-5 FOOT CABLE AT EACH END. ALL ELECTRICAL, CONDUIT & CABLES ARE SUPPLIED & INSTALLED BY OTHERS

NOTE: 4

POWER REQUIREMENTS:

1) **RO UNIT (ea):**
380-415V / 3Ph / 5WIRE / 60Hz / 9.5kW
16 -20 A (S/B FUSE)
2) **HOT WATER UNIT (ea):**
380-415V / 3Ph / 5WIRE / 60Hz / 8.6kW
16-20 A (S/B FUSE)

NOTE: 5

TRANSFORMER: (By Baxter)

PRIMARY: OR PRIMARY:
208 Volts 600 Volts SECONDARY:
3 Phase 3 Phase 380-415 Volts
5 WIRE 5 WIRE 3 Phase
60 Hz 60 Hz 5 WIRE
50 KVA 50 KVA 60 Hz
193 Kg ΔY 248 Kg ΔY

NOTE: 6

1) CIRCUIT @ PORTABLE RO RINSING 115 VAC, 15 AMP-GFI, DEDICATED CIRCUIT ON EMERGENCY POWER.
2) CIRCUIT @ MACHINE RINSING 115 VAC, 20 AMP GFI, DEDICATED CIRCUIT ON EMERGENCY POWER
DUPLEX RECEPTACLES FOR BOTH CIRCUITS ARE HOSPITAL GRADE, 120 VAC, 15 & 20 AMP HEAVY DUTY, GROUNDED, MOUNTED ~ 8-12" INCHES (203-305 mm) ABOVE BAXTER SINK.
NOTE: TOP OF BAXTER SINK FLANGE = 32" AFF

REVISION HISTORY

No.	Description.	Date
0	Issued for Information	12.15.22
1	Updated Customer Backgrounds	08.23.23
2	Updated Customer Backgrounds	11.30.23

Baxter

6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
L5N 5M4

Project Name:
**SHN Centenary Site
Margaret Birch Gr FI Expansion**

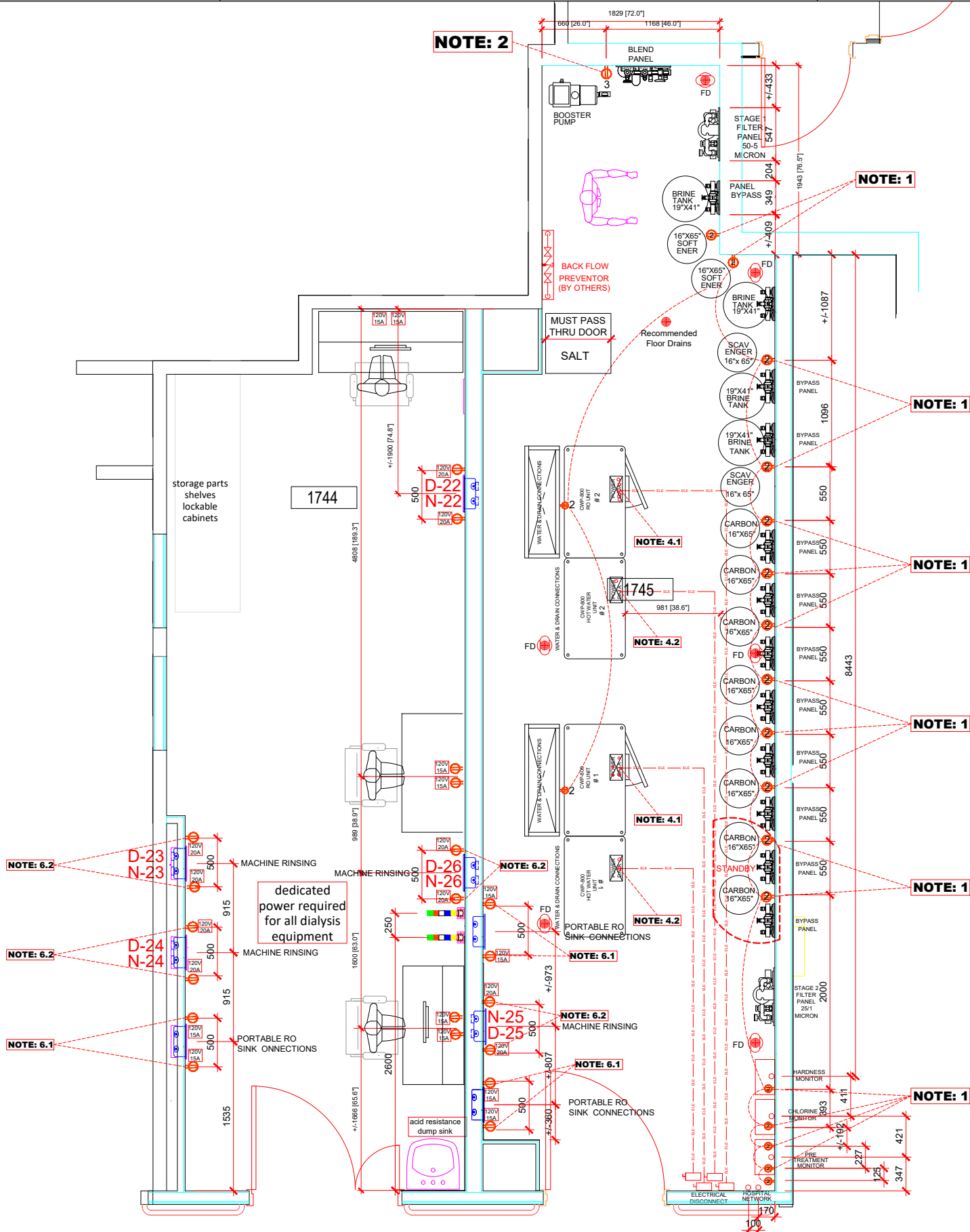
Drawing Title: **Electrical Layout**

Drawn By: RG Approved By:

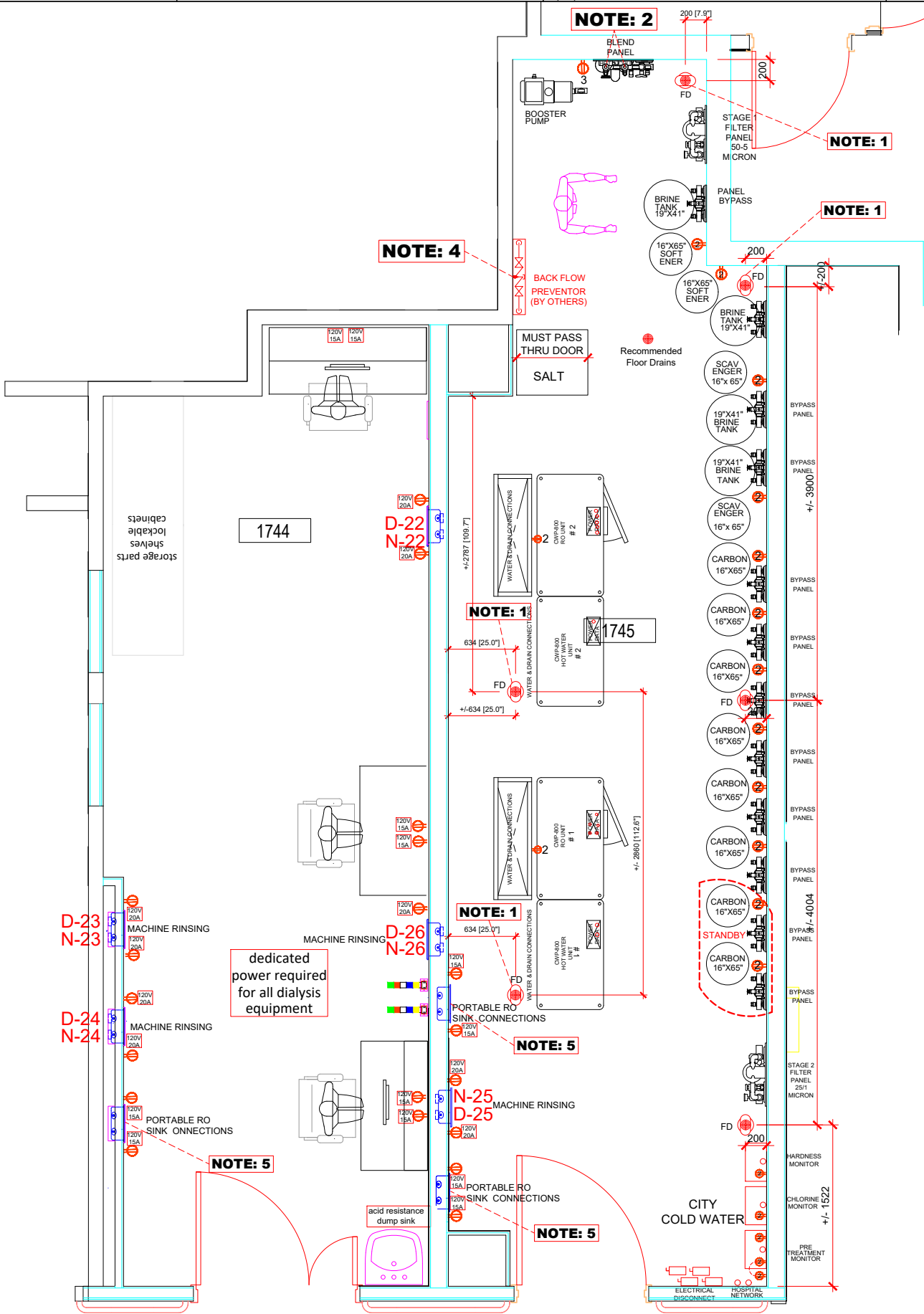
Scale: D.N.S. Project #:

Drawing #:
051221-00-02

Rev #:
2



IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION	RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER	RESPONSIBILITY FOR REPAIR, SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER	MINIMUM INLET WATER FLOW & [PRESSURE] L/min @ 10°C (single & series configurations listed) (Parallel Configuration multiply x 2) 1(+1) membrane modules 37 [0.03 MPa] 2(2+) membrane modules 72 [0.06 MPa] 3(3+) membrane modules 99 [0.10 MPa] 4(+4) membrane modules 117 [0.13 MPa]	MINIMUM OUTLET CAPACITY L/min @ 10°C COUNTER PRESSURE of 0.3 MPa (single & series configurations listed. Parallel Config x 2) 1(+1) membrane modules 24 2(2+) membrane modules 49 3(3+) membrane modules 69 4(+4) membrane modules 82	MINIMUM DRAIN REQUIREMENTS: 40 Litres / minute per RO unit
					BOOSTER PUMP: 208V / 15A / 1 HP NON GFI CIRCUIT RECEPTACLE: 6-15R (HEAVY DUTY)



LEGEND

- REVERSE OSMOSIS WATER
- INSULATED PEX PIPING
- PRETREATED WATER
- WATER TO DRAIN
- FLOOR DRAIN POINT

NOTE: 1
FD: 4" (INCH) DRAIN WITH OVAL FUNNEL. MINIMUM FLOW FROM EACH RO MACHINE IS 40 LPM. DRAIN PIPE MUST BE INSTALLED AS CLOSE AS POSSIBLE TO THE DIMENSIONS GIVEN IN THIS DRAWING


NOTE: 2
BLEND PANEL: PANEL TO BE SUPPLIED & INSTALLED BY BAXTER AT 2250 MM (88.5") ABOVE FINISHED FLOOR. OTHERS TO PROVIDE & CONNECT 1 INCH COPPER HOT AND 1 INCH COPPER COLD WATER SUPPLY LINES COMPLETE WITH ¼ TURN BALL VALVES. COMBINED WATER SUPPLY AFTER MIXING VALVE MUST BE A MINIMUM OF 70 LITRES PER MINUTE AT A MINIMUM PRESSURE OF 60 P.S.I. COPPER PIPE MUST BE FED DIRECTLY FROM A MAIN SOURCE AND MUST COMPLY WITH LOCAL PLUMBING CODES. BACKFLOW PREVENTERS MAY BE REQUIRED.

NOTE: 3
FLOOR DRAIN: IT IS RECOMMENDED TO LOCATE FLOOR DRAINS WITHIN THE WATER ROOM THAT COINCIDES WITH EXISTING FLOOR SLOPE

NOTE: 4
BACKFLOW PREVENTOR: OTHERS TO PROVIDE BACK FLOW PREVENTORS ON HOT & COLD WATER SUPPLY. IT IS RECOMMENDED TO INSTALL BACKUP (DOUBLE) B.F.P. TO ENSURE CONTINUOUS OPERATION OR RO WATER SUPPLY

NOTE: 5
COLD CITY WATER TO FEED PORTABLE RO RINSE SINKS

REVISION HISTORY		
No.	Description.	Date
0	Issued for Information	12.15.22
1	Updated Customer Backgrounds	08.23.23
2	Updated Customer Backgrounds	11.30.23



6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
L5N 5M4

Project Name: SHN Centenary Site Margaret Birch Gr FI Expansion

Drawing Title: Plumbing Layout

Drawn By: RG	Approved By:
Scale: D.N.S.	Project #:

Drawing #:	Rev #:
051221-00-03	2

IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION

RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

RESPONSIBILITY FOR REPAIR, SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

BAXTER TO INSTALL CLINIC PANEL ~ 1431MM (56.3") AFF IN TECHNICAL ROOM. OTHERS TO PROVIDE CAT6 ETHERNET WIRING WITHIN CONDUIT FROM RO #1 TO THE CLINIC PANEL IN TECHNICAL ROOM & PROVIDE 120 VOLT 15 AMP DUPLEX POWER RECEPTACLE. POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT

MINIMUM INLET WATER FLOW & [PRESSURE] L/min @ 10°C (single & series configurations listed)
(Parallel Configuration multiply x 2)
1(+1) membrane modules 37 [0.03 MPa]
2(2+) membrane modules 72 [0.06 MPa]
3(3+) membrane modules 99 [0.10 MPa]
4(+4) membrane modules 117 [0.13 MPa]


MINIMUM OUTLET CAPACITY L/min @ 10°C
COUNTER PRESSURE OF 0.3 MPa
(single & series configurations listed. Parallel Config x 2)
1(+1) membrane modules 24
2(2+) membrane modules 49
3(3+) membrane modules 69
4(+4) membrane modules 82

MINIMUM RO DRAIN REQUIREMENTS:
40 Litres / minute per RO unit

LEGEND

The diagram illustrates the layout of water and technical rooms, including various pieces of equipment such as RO units, carbon filters, and storage cabinets. It features extensive piping networks with flow directions indicated by arrows, and electrical schematics showing power and data connections. Key components include a booster pump, brine tanks, and multiple stages of filtration. Dimensions and elevations are provided throughout the plan to specify the exact placement and orientation of all elements.

REVISION HISTORY		
No.	Description.	Date
0	Issued for information	12.15.22
1	Update Water + Tech Room Details	08.16.23
2	Update Customer Background	11.30.23



Baxter Canada 7125 Mississauga Road
Mississauga ON Canada L5N 0C2
TEL:905-762-0690

Project Name & Project Address:

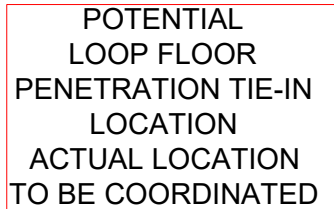
SHN Centenary Site
Margaret Birch Gr FI Expansion

Drawing Title: WATER + TECH ROOMS

Drawn By: RJG	Approved By:
Scale: D.N.S.	Project #:
Drawing #:	Rev #:

051221-00-04 **2**

--	--



Hhs	2.01.01
-----	---------

 <p>6675 Millcreek Drive Unit #1&2 Mississauga, Ontario L5N 5M4</p>		
Project Name:		
<p>SHN Centenary Site Margaret Birch Gr FI Expansion</p>		
Drawing Title:		
LOOP PATH LEVEL 2		
Drawn By:	RG	Approved By:
Scale:	D.N.S.	Project #:
Drawing #:		Rev #:
051221-01-01		1

IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION

RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

RESPONSIBILITY FOR REPAIR SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

+ ELECTRICAL WORK/INSTALLATION/BAXTER SUPPLY TRANSFORMER TO POWER THE R.O./HW UNITS
+ **ALL HAND TERMINATED CAT-6e CABLES INSTALLED MUST BE TESTED FOR DATA TRANSFER RATE AND CONTINUITY. TESTING DATA CERTIFICATE(S) MUST BE PROVIDED TO BAXTER**
+ REMOTE ALARM(S), CLINIC PANEL, DUPLEX JUNCTION BOX(S) (LOCATION GIVEN BY THE HOSPITAL)
+ ALL CONDUIT RUNS
+ ALL WIRE CONTAINED WITHIN CONDUIT RUNS
ABOVE NOTED WORK FALLS UNDER THE RESPONSIBILITY OF DIVISION 16

THE CLINIC PANEL ASSEMBLY AND ALARM TOWER WILL BE PROVIDED, INSTALLED AND TERMINATED BY BAXTER AT THE PRE-DETERMINED LOCATION, GIVEN BY THE HOSPITAL.

LEGEND

CAT 6e CABLE

ELECTRICAL POWER

8 CONDUCTOR 20-22 AWG BELDEN CABLE

NOTE: 1
ALL CIRCUIT # 2 BREAKERS AT ELECTRICAL PANEL BOX ARE 115 VAC, 15 AMP-GFI, DEDICATED CIRCUIT ON EMERGENCY POWER. DUPLEX RECEPTACLES FOR CIRCUIT 2 ARE HOSPITAL GRADE, 120 VAC, 15 AMP HEAVY DUTY, GROUNDED, MOUNTED 88 INCHES (2235 MM) ABOVE FINISHED FLOOR PAD.

NOTE: 2
CIRCUIT # 3 BREAKER AT ELECTRICAL PANEL BOX IS 250 VAC, 15 AMP, , DEDICATED CIRCUIT ON EMERGENCY POWER. SINGLE RECEPTACLE IS 250 VAC, 15 AMP (TYPE 6-15R) HEAVY DUTY, GROUNDED, MOUNTED 20 INCHES (500MM) AFF. **BOOSTER PUMP SPEC:** 208 VAC, 20A, 1 PHASE, 1 HP. NON GFI CIRCUIT (PLUG-IN)

NOTE: 3
CLINIC PANEL: MOUNT ~ 1436mm (56.5") ABOVE FINISHED FLOOR AT THE NURSE STATION. OTHERS TO PROVIDE AND INSTALL 3 x DUPLEX JUNCTION BOXS GANGED TOGETHER AT 1848mm (72.8") IN-LINE WITH THE CLINIC PANEL. OTHERS TO PROVIDE 1 x 120 VOLT-15A POWER RECEPTACLE TO **J-BOX#1**, 120 VOLT POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT. OTHERS TO PROVIDE CAT6e ETHERNET CABLE WITHIN CONDUIT FROM **RO # 1 [2] TO J-BOX#2**. TERMINATE CAT6e CABLE ENDS WITH MALE RJ45 AT EACH END. LEAVE EXTRA 3-5 FOOT CABLE EACH END. OTHERS TO PROVIDE 1 x 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM **J-BOX#3** TO ALARM LIGHT TOWER IN TECHNICAL ROOM OR OTHER HOSPITAL DESIGNATED SPACE (TO BE CONFIRMED). LEAVE EXTRA 3-5 FOOT CABLE AT EACH END. ALL ELECTRICAL CONDUIT & CABLES ARE SUPPLIED & INSTALLED BY OTHERS

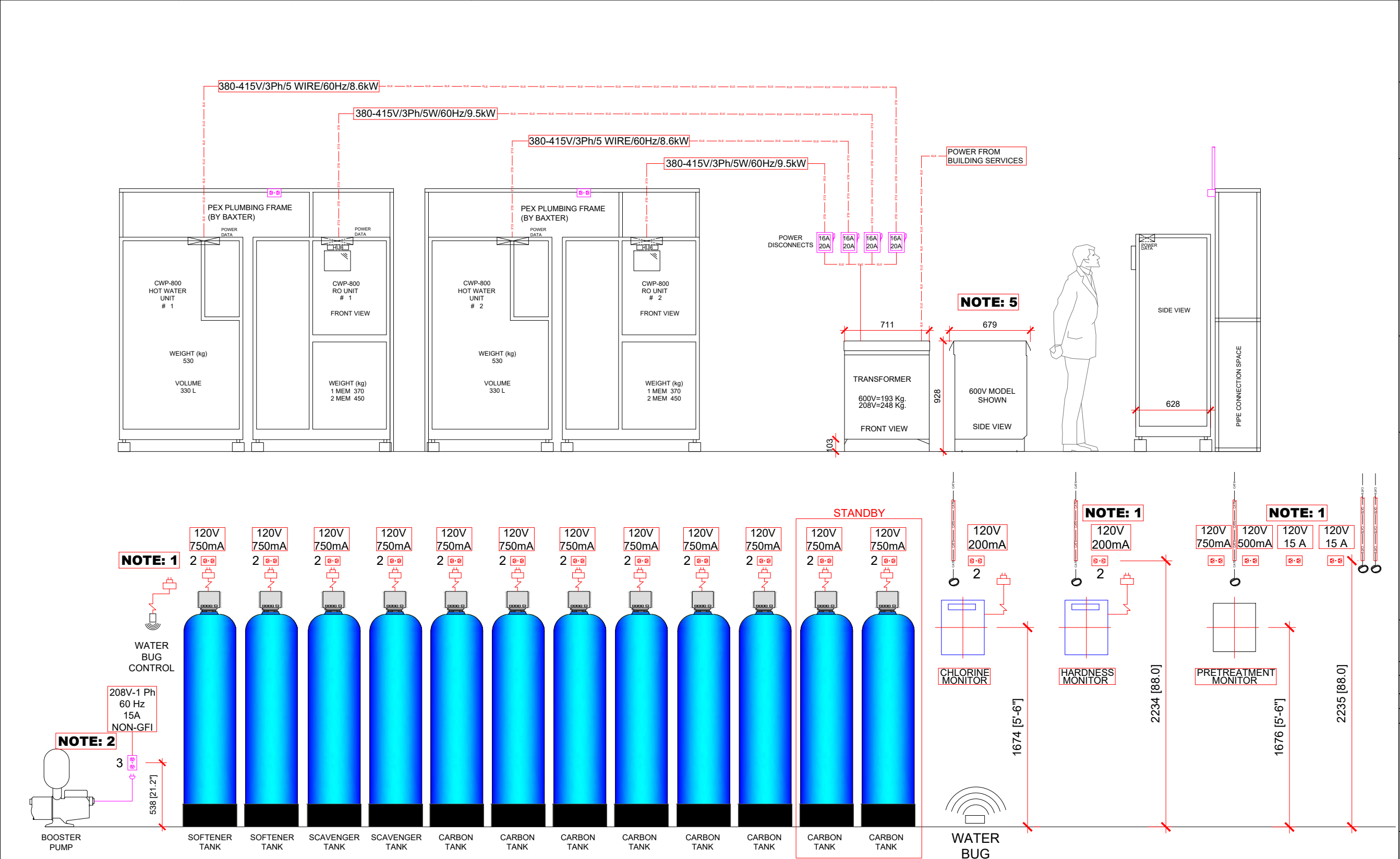
NOTE: 4
POWER REQUIREMENTS:
1) RO UNIT (ea):
380-415V / 3Ph / 5WIRE / 60Hz /9.5kW
16 -20 A (S/B FUSE)
2) HOT WATER UNIT (ea):
380-415V / 3Ph / 5WIRE / 60Hz / 8.6kW
16-20 A (S/B FUSE)

NOTE: 5
TRANSFORMER: (By Baxter)
PRIMARY: OR PRIMARY:
208 Volts 600 Volts SECONDARY:
3 Phase 3 Phase 380-415 Volts
5 WIRE 5 WIRE 3 Phase
60 Hz 60 Hz 5 WIRE
50 KVA 50 KVA 60 Hz
193 Kg ΔY 248 Kg ΔY

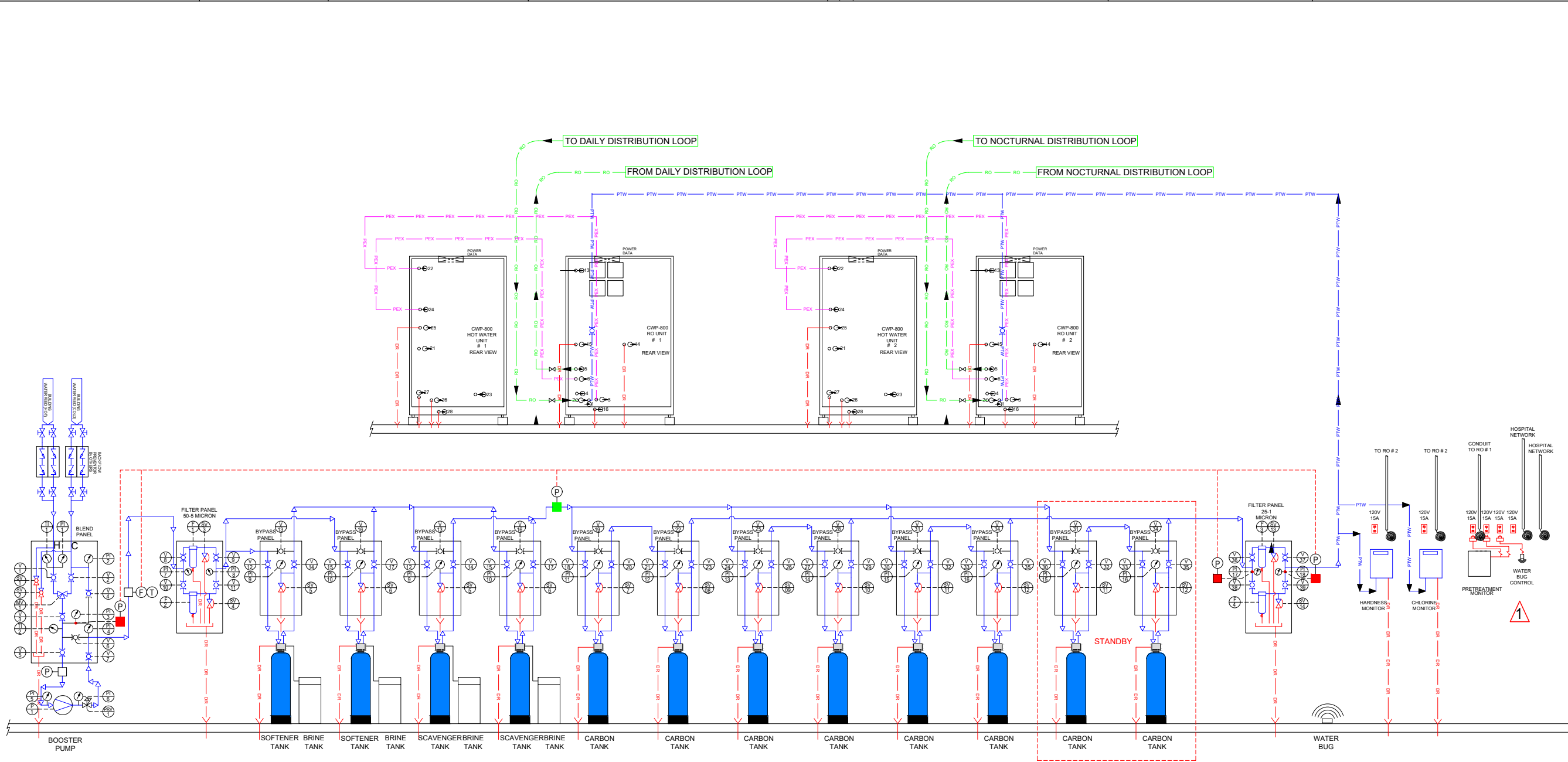
REVISION HISTORY		
No.	Description.	Date
0	Issued for Information	12.15.22
1	Added PreTx Monitor System	08.23.23


Baxter
6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
L5N 5M4

Project Name: SHN Centenary Site		
Margaret Birch Gr FI Expansion		
Drawing Title: Electrical Elevation		
Drawn By: RG	Approved By:	
Scale: D.N.S.	Project #:	
Drawing #:	Rev #:	
051221-01-02		1



IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION	RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER	RESPONSIBILITY FOR REPAIR, SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER	MINIMUM INLET WATER FLOW & [PRESSURE] L/min @ 10°C (single & series configurations listed) 1(+1) membrane modules multiply x 2 2(2+) membrane modules 72 [0.06 MPa] 3(3+) membrane modules 99 [0.10 MPa] 4(+4) membrane modules 117 [0.13 MPa]	MINIMUM OUTLET CAPACITY L/min @ 10°C COUNTER PRESSURE of 0.3 MPa (single & series configurations listed. Parallel Config x 2) 1(+1) membrane modules 24 2(2+) membrane modules 49 3(3+) membrane modules 69 4(+4) membrane modules 82	MINIMUM DRAIN REQUIREMENTS: 40 Litres / minute per RO unit	REVERSE OSMOSIS WATER
					BOOSTER PUMP: 208V / 15A / 1 HP NON GFI CIRCUIT RECEPTACLE: 6-15R (HEAVY DUTY)	INSULATED PEX PIPING
						PRETREATED WATER
						WATER TO DRAIN



LEGEND		
FLOOR DRAIN POINT		
1	FEED WATER INLET	
2	PRODUCT WATER TO LOOP	
3	PRODUCT WATER TO SECOND R.O.	
4	INLET WATER FROM HW UNIT	
5	RETURN WATER FROM LOOP	
6	RETURN WATER TO HW UNIT	
7	INLET TO RO MEMBRANE (REAR)	
8	OUTLET FROM RO MEMBRANE (REAR)	
9	INLET TO RO MEMBRANE (REAR)	
10	OUTLET FROM RO MEMBRANE (FRONT)	
11	PRODUCT WATER FROM BACK MEMBRANE RO UNIT (OPTIONAL)	
12	PRODUCT WATER FROM FRONT MEMBRANE RO UNIT	
13	PRODUCT WATER FROM PRIMARY RO UNIT (ONLY USED IN SERIES CONFIG)	
14	INLET TANK OVERFLOW DRAIN	
15	REJECT WATER DRAIN	
16	TRAY DRAIN	
21	TO LOOP	
22	REFILL HW DEVICE FROM RO UNIT	
23	TO EXTRA HW TANK	
24	RETURN FROM DISTRIBUTION LOOP/RO UNIT	
25	LOOP DRAIN	
26	TANK OVERFLOW DRAIN	
27	TANK DRAIN	
28	TRAY DRAIN	
31	FEED WATER INLET TO RO MEMBRANE BACK OF EXTENSION UNIT	
32	FEED WATER OUTLET FROM RO MEMBRANE FRONT OF EXTENSION UNIT	
33	PRODUCT WATER FROM EXTENSION UNIT	
34	FEED WATER OUTLET FROM RO MEMBRANE BACK OF EXTENSION UNIT	
35	FEED WATER INLET TO RO MEMBRANE FRONT OF EXTENSION UNIT	
37	PRODUCT WATER FROM BACK MEMBRANE OF EXTENSION UNIT	
38	PRODUCT WATER FROM FRONT MEMBRANE OF EXTENSION UNIT	
39	TRAY DRAIN	
P	PRESSURE TRANSDUCER	
T	TEMPERTURE TRANSDUCER	
F T	DIGITAL FLOW / TEMPERATURE METER	
REVISION HISTORY		
No.	Description.	Date
0	Issued for Information	12.15.22
1	Added PreTx Monitor System	08.23.23
<div> 6675 Millcreek Dr. Unit 1-2 Mississauga, ONTARIO L5N 5M4</div>		
Project Name: SHN Centenary Site Margaret Birch Gr FI Expansion		
Drawing Title: Process Flow Diagram		
Drawn By: RG		Approved By:
Scale: D.N.S.		Project #:
Drawing #:		Rev #:
051221-01-03		1

IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION

RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

RESPONSIBILITY FOR REPAIR SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

+ ELECTRICAL WORK/INSTALLATION/BAXTER SUPPLY TRANSFORMER TO POWER THE R.O/HW UNITS
+ ALL HAND TERMINATED CAT-6e CABLES INSTALLED MUST BE TESTED FOR DATA TRANSFER RATE AND CONTINUITY. TESTING DATA CERTIFICATE(S) MUST BE PROVIDED TO BAXTER
+ REMOTE ALARM(S), CLINIC PANEL, DUPLEX JUNCTION BOX(S) (LOCATION GIVEN BY THE HOSPITAL)
+ ALL CONDUIT RUNS
+ ALL WIRE CONTAINED WITHIN CONDUIT RUNS
ABOVE NOTED WORK FALLS UNDER THE RESPONSIBILITY OF DIVISION 16

TYPICAL ALARM CONDITIONS:
a) NORMAL OPERATION
b) LEVEL A ALARM
c) LEVEL B ALARM
d) DISINFECTION CYCLE

CAT 6e CABLE
ELECTRICAL POWER
8 CONDUCTOR 20-22 AWG BELDEN CABLE

LEGEND

NOTE: 1 (PER EACH)
CLINIC PANEL: MOUNT - 1436mm (56.5") ABOVE FINISHED FLOOR AT THE NURSE STATION. OTHERS TO PROVIDE AND INSTALL 3 x DUPLEX JUNCTION BOXES GANGED TOGETHER AT 1848mm (72.8") IN-LINE WITH THE CLINIC PANEL. OTHERS TO PROVIDE 1 x 120 VOLT-15A POWER RECEPTACLE TO **J-BOX#1**. 120 VOLT POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT. OTHERS TO PROVIDE CAT6e ETHERNET CABLE WITHIN CONDUIT FROM **RO # 1 [2] TO J-BOX#2**. TERMINATE CAT6e CABLE ENDS WITH MALE RJ45 AT EACH END. LEAVE EXTRA 3-5 FOOT CABLE EACH END. OTHERS TO PROVIDE 1 x 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM **J-BOX#3**, TO ALARM LIGHT TOWER IN TECHNICAL ROOM OR OTHER HOSPITAL DESIGNATED SPACE (TO BE CONFIRMED). LEAVE EXTRA 3-5 FOOT CABLE AT EACH END. ALL ELECTRICAL, CONDUIT & CABLES ARE SUPPLIED & INSTALLED BY OTHERS

NOTE: 2
CWP-800 BUILDING AUTOMATION SYSTEM: OTHERS TO PROVIDE CONDUIT AND 8 CONDUCTOR 20-22 AWG CABLE FROM B.A.S. NODE PANEL TO EACH CWP-800 CLINIC PANEL. EACH CLINIC PANEL PROVIDES 2 DRY CONTACTS (K2/K3) FOR ALARM MONITORING

NOTE: 3
PROVIDE CONDUIT, ONE DUPLEX JUNCTION BOX. 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM EACH CLINIC PANEL TO EACH ALARM LIGHT TOWER AND BUZZER IN HOSPITAL DESIGNATED LOCATION. LEAVE 3-5 FOOT EXTRA CABLE EACH END. BAXTER TO TERMINATE

NOTE: 4
PROVIDE 1" CONDUIT + CAT 6e CABLE c/w MANUFACTURED RJ-45 ENDS BETWEEN CWP800 RO UNIT 1 [2] + HOT WATER UNIT 1 [2]. DO NOT INTERCONNECT RO SYSTEMS. LEAVE EXTRA 3-5 FOOT CABLE CURLED WITHIN EA. RO & HW UNITS. WIRE & CONDUIT BY OTHERS

NOTE: 5
OTHERS TO PROVIDE CONDUIT & CAT 6e CABLE FROM HOSPITAL ETHERNET SWITCH TO PRE-TREATMENT MONITOR PANEL LOCATION. CONDUIT MOUNTED 2235 (88.0") AFF. LEAVE 5' EXTRA CABLE CURLED @ END OF CONDUIT.

NOTE: 6
OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 1 TO PRE-TREATMENT PANEL LOCATION. MOUNT CONDUIT 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

NOTE: 7 CHLORINE/HARDNESS MONITORS: OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 2 TO HARDNESS MONITOR PANEL LOCATION. MOUNT CONDUIT @ PANEL, 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 2 TO CHLORINE MONITOR PANEL LOCATION. MOUNT CONDUIT @ PANEL, 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

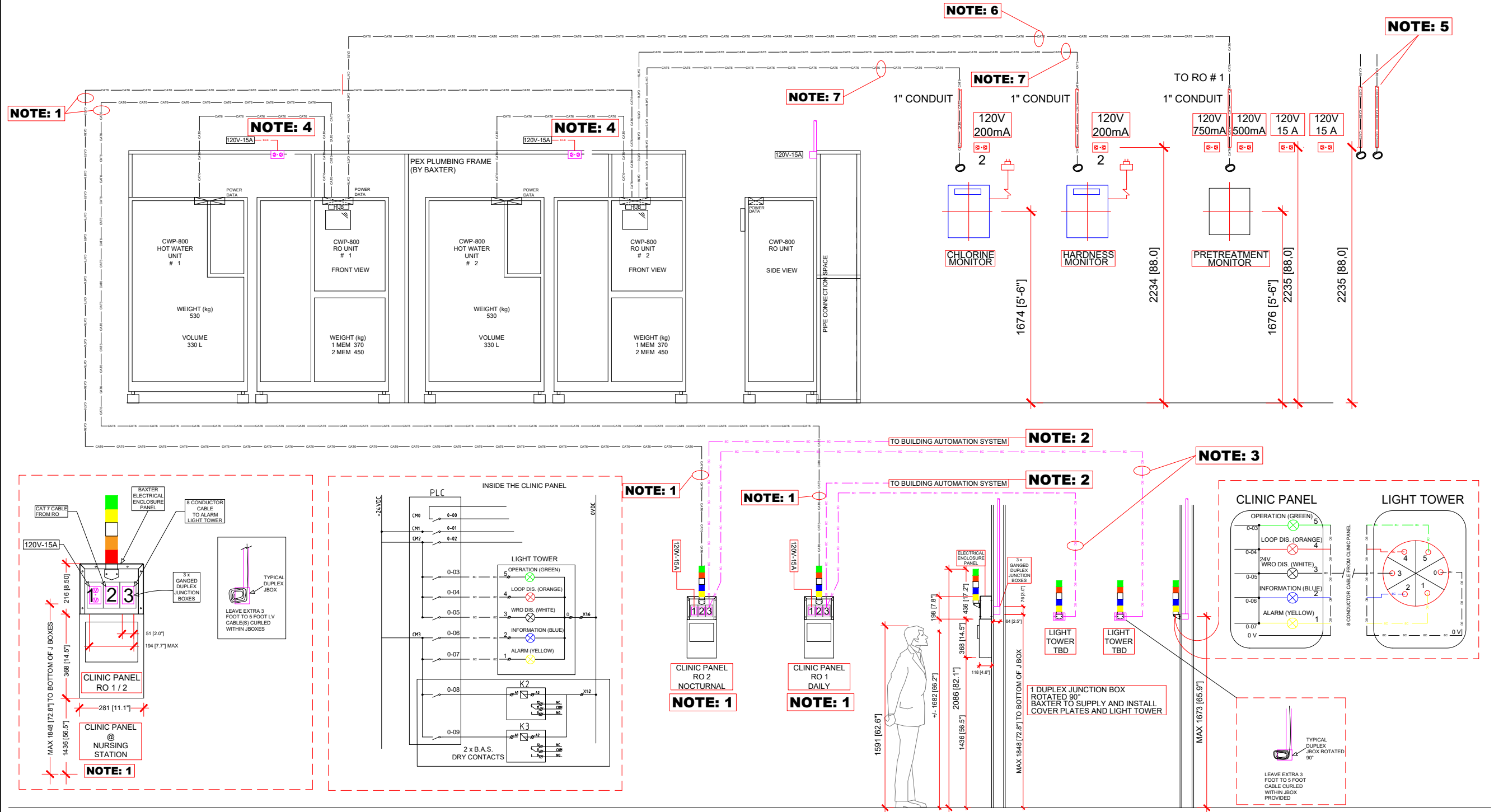
REVISION HISTORY

No.	Description.	Date
0	Issued for Information	12.15.22
1	Added PreTx Monitor System	08.23.23

Baxter
6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
LSN 5M4

Project Name:
SHN Centenary Site
Margaret Birch Gr FI Expansion
Drawing Title: **Low Voltage Elevation**
Drawn By: **RG** Approved By:
Scale: **D.N.S.** Project #:
Drawing #:
051221-02-02 Rev #:
1

NOTE: 50 KVA POWER TRANSFORMER MUST BE LOCATED WITHIN AN MECHANICAL OR ELECTRICAL SPACE



THE CLINIC PANEL ASSEMBLY AND ALARM TOWER
WILL BE PROVIDED, INSTALLED AND TERMINATED
BY BAXTER AT THE PRE-DETERMINED LOCATION,
GIVEN BY THE HOSPITAL.

TYPICAL ALARM CONDITIONS:

- a) NORMAL OPERATION
- b) LEVEL A ALARM
- c) LEVEL B ALARM
- d) DISINFECTION CYCLE

CAT 6 CABLE

ELECTRICAL POWER

8 CONDUCTOR 20-22 AWG BELDEN CABLE

CLINIC PANEL: MOUNT ~ 1436mm (56.5") ABOVE FINISHED FLOOR AT THE NURSE STATION. OTHERS TO PROVIDE AND INSTALL 3 x DUPLEX JUNCTION BOXES GANGED TOGETHER AT 1848mm (72.8") IN-LINE WITH THE CLINIC PANEL. OTHERS TO PROVIDE 1 x 120 VOLT 15A POWER RECEPTACLE TO **J-BOX#1**, 120 VOLT POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT. OTHERS TO PROVIDE CAT6e ETHERNET CABLE WITHIN CONDUIT FROM **RO # 1 (2) TO J-BOX#2**, TERMINATE CAT6e CABLE ENDS WITH MALE RJ45 AT EACH END. LEAVE EXTRA 3-5 FOOT CABLE EACH END. OTHERS TO PROVIDE 1 x 8 CONDUCTOR 20-22 AWG Belden Cable FROM **J-BOX#3** TO ALARM LIGHT TOWER IN TECHNICAL ROOM OR OTHER HOSPITAL DESIGNATED SPACE (TO BE CONFIRMED). LEAVE EXTRA 3-5 FOOT CABLE AT EACH END. ALL ELECTRICAL, CONDUIT & CABLES ARE SUPPLIED & INSTALLED BY OTHERS

OTHERS TO PROVIDE CONDUIT AND 8
CONDUCTOR 20-22 AWG CABLE FROM B.A.S.
NODE PANEL TO EACH CWP-800 CLINIC PANEL.
EACH CLINIC PANEL PROVIDES 2 DRY CONTACT
(K2/K3) FOR ALARM MONITORING

PROVIDE CONDUIT, ONE DUPLEX JUNCTION BOX
8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM
EACH CLINIC PANEL TO EACH ALARM LIGHT
TOWER AND BUZZER IN HOSPITAL DESIGNATED
LOCATION. LEAVE 3-5 FOOT EXTRA CABLE EACH
END. BAXTER TO TERMINATE

PROVIDE 1" CONDUIT + CAT 6e CABLE c/w
MANUFACTURED RJ-45 ENDS BETWEEN CWP800
RO UNIT 1 [2] + HOT WATER UNIT 1 [2]. DO NOT
INTERCONNECT RO SYSTEMS. LEAVE EXTRA 3-5'
FOOT CABLE CURLED WITHIN EA. RO & HW
UNITS. WIRE & CONDUIT BY OTHERS

OTHERS TO PROVIDE 2 X CONDUIT & 2 X CAT 6e CABLE FROM HOSPITAL ETHERNET SWITCH TO PRE-TREATMENT MONITOR PANEL LOCATION. CONDUIT MOUNTED 2235 (88.0") AFF. LEAVE 5' EXTRA CABLE CURLED @ END OF CONDUIT.

OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO #
1 TO PRE-TREATMENT PANEL LOCATION. MOUNT
CONDUIT 2235 (88.0") AFF @ PTX PANEL.
PROVIDE CAT 6e CABLE c/w RJ45 MALE
MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT
CABLE COILED UP BOTH ENDS.
CONDUIT/CABLE/BY OTHERS

OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO #
2 TO HARDNESS MONITOR PANEL LOCATION.
MOUNT CONDUIT @ PANEL, 2235 (88.0") AFF.
PROVIDE CAT 6e CABLE c/w RJ45 MALE
MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT
CABLE COILED UP BOTH ENDS.
CONDUIT/CABLE/BY OTHERS

2 TO CHECKLINE MONITOR PANEL LOCATION.
MOUNT CONDUIT @ PANEL, 2235 (88.0") AFF.
PROVIDE CAT 6e CABLE c/w RJ45 MALE
MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT
CABLE COILED UP BOTH ENDS.
CONDUIT/CABLE/BY OTHERS

No.	Description.	Date
0	Issued for Information	12.15.22
1	Updated Customer Backgrounds	08.23.23
2	Updated Customer Backgrounds	11.30.23

6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
L5N 5M4

Margaret Birch Gr Fl Expansion

Control Wiring (Clinic Panel)

Revised By:

Project #:	
------------	--

10

051221-03-02

2

IT IS MANDATORY THAT BAXTER BE INFORMED FOR COORDINATION OF SHOP DRAWINGS OF ANY OTHER COMPONENTS, DEVICES OR OBSTRUCTIONS THAT MAY EFFECT THE LOOP OR WATER ROOM LAYOUT AND INSTALLATION

RESPONSIBILITY FOR CORING THROUGH ANY PARTITION WALLS OR FLOOR ARE UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

RESPONSIBILITY FOR REPAIR, SEALING FIRESTOP OR SMOKE SEAL AS A RESULT OF CORING OR SHIELDING INSTALLED THROUGH ANY PARTITION FALLS UNDER THE DUTIES OF DIVISION 15, NOT BAXTER

CLINIC PANEL ~ 1431MM (56.3") AFF AT NURSING STATION AND OR TECHNICAL ROOM. CAT 6e ETHERNET WIRING WITHIN CONDUIT FROM THE RO # 1 TO THE NURSING STATION/TECHNICAL ROOM & 120 VOLT 15 AMP DUPLEX POWER RECEPTACLE ARE BY OTHERS. POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT

+ ELECTRICAL WORK/INSTALLATION/BAXTER SUPPLY TRANSFORMER TO POWER THE R.O./HW UNITS
+ **ALL HAND TERMINATED CAT-6e CABLES INSTALLED MUST BE TESTED FOR DATA TRANSFER RATE AND CONTINUITY. TESTING DATA CERTIFICATE(S) MUST BE PROVIDED TO BAXTER**
+ REMOTE ALARM(S), CLINIC PANEL, DUPLEX JUNCTION BOX(S) (LOCATION GIVEN BY THE HOSPITAL)
+ ALL CONDUIT RUNS
+ ALL WIRE CONTAINED WITHIN CONDUIT RUNS
ABOVE NOTED WORK FALLS UNDER THE RESPONSIBILITY OF DIVISION 16

THE CLINIC PANEL ASSEMBLY AND ALARM TOWER WILL BE PROVIDED, INSTALLED AND TERMINATED BY BAXTER AT THE PRE-DETERMINED LOCATION, GIVEN BY THE HOSPITAL.

LEGEND	
	CAT 6 CABLE
	ELECTRICAL POWER
	8 CONDUCTOR 20-22 AWG BELDEN CABLE

NOTE: 1 (PER EACH)
CLINIC PANEL: MOUNT ~ 1436mm (56.5") ABOVE FINISHED FLOOR AT THE NURSE STATION. OTHERS TO PROVIDE AND INSTALL 3 x DUPLEX JUNCTION BOXES GANGED TOGETHER AT 1848mm (72.8") IN-LINE WITH THE CLINIC PANEL. OTHERS TO PROVIDE 1 x 120 VOLT-15A POWER RECEPTACLE TO **J-BOX#1**. 120 VOLT POWER TO BE ON HOSPITAL EMERGENCY GENERATOR CIRCUIT. OTHERS TO PROVIDE CAT6e ETHERNET CABLE WITHIN CONDUIT FROM **RO # 1 (2) TO J-BOX#2**. TERMINATE CAT6e CABLE ENDS WITH MALE RJ45 AT EACH END. LEAVE EXTRA 3-5 FOOT CABLE EACH END. OTHERS TO PROVIDE 1 x 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM **J-BOX#3** TO ALARM LIGHT TOWER IN TECHNICAL ROOM OR OTHER HOSPITAL DESIGNATED SPACE (TO BE CONFIRMED). LEAVE EXTRA 3-5 FOOT CABLE AT EACH END. ALL ELECTRICAL, CONDUIT & CABLES ARE SUPPLIED & INSTALLED BY OTHERS

NOTE: 2
CWP-800 BUILDING AUTOMATION SYSTEM: OTHERS TO PROVIDE CONDUIT AND 8 CONDUCTOR 20-22 AWG CABLE FROM B.A.S. NODE PANEL TO EACH CWP-800 CLINIC PANEL. EACH CLINIC PANEL PROVIDES 2 DRY CONTACTS (K2/K3) FOR ALARM MONITORING

NOTE: 3
PROVIDE CONDUIT, ONE DUPLEX JUNCTION BOX, 8 CONDUCTOR 20-22 AWG BELDEN CABLE FROM CLINIC PANEL TO EACH ALARM LIGHT TOWER AND BUZZER IN HOSPITAL DESIGNATED LOCATION. LEAVE 3-5 FOOT EXTRA CABLE EACH END. BAXTER TO TERMINATE

NOTE: 4
PROVIDE 1" CONDUIT + CAT 6e CABLE c/w MANUFACTURED RJ-45 ENDS BETWEEN CWP800 RO UNIT 1 (2) + HOT WATER UNIT 1 (2). DO NOT INTERCONNECT RO SYSTEMS. LEAVE EXTRA 3-5 FOOT CABLE CURLED WITHIN EA. RO & HW UNITS. WIRE & CONDUIT BY OTHERS

NOTE: 5
OTHERS TO PROVIDE CONDUIT & CAT 6e CABLE FROM HOSPITAL ETHERNET SWITCH TO PRE-TREATMENT MONITOR PANEL LOCATION. CONDUIT END MOUNTED 2235 (88.0") AFF. LEAVE 5' EXTRA CABLE CURLED @ END OF CONDUIT.

NOTE: 6
OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 1 TO PRE-TREATMENT PANEL LOCATION. MOUNT CONDUIT 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

NOTE: 7 CHLORINE/HARDNESS MONITORS:
OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 2 TO HARDNESS MONITOR PANEL LOCATION. MOUNT CONDUIT @ PANEL 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

OTHERS TO PROVIDE 1 x 1" CONDUIT FROM RO # 2 TO CHLORINE MONITOR PANEL LOCATION. MOUNT CONDUIT @ PANEL 2235 (88.0") AFF. PROVIDE CAT 6e CABLE c/w RJ45 MALE MANUFACTURED ENDS. LEAVE EXTRA 5 FOOT CABLE COILED UP BOTH ENDS. CONDUIT/CABLE/BY OTHERS

REVISION HISTORY		
No.	Description.	Date
0	Issued for Information	12.15.22
1	Updated Customer Backgrounds	08.23.23
2	Updated Customer Backgrounds	11.30.23



6675 Millcreek Drive
Unit #1&2
Mississauga, Ontario
L5N 5M4

Project Name:
**SHN Centenary Site
Margaret Birch Gr FI Expansion**

Drawing Title: **Control Wiring (ROOM)**

Drawn By: RG

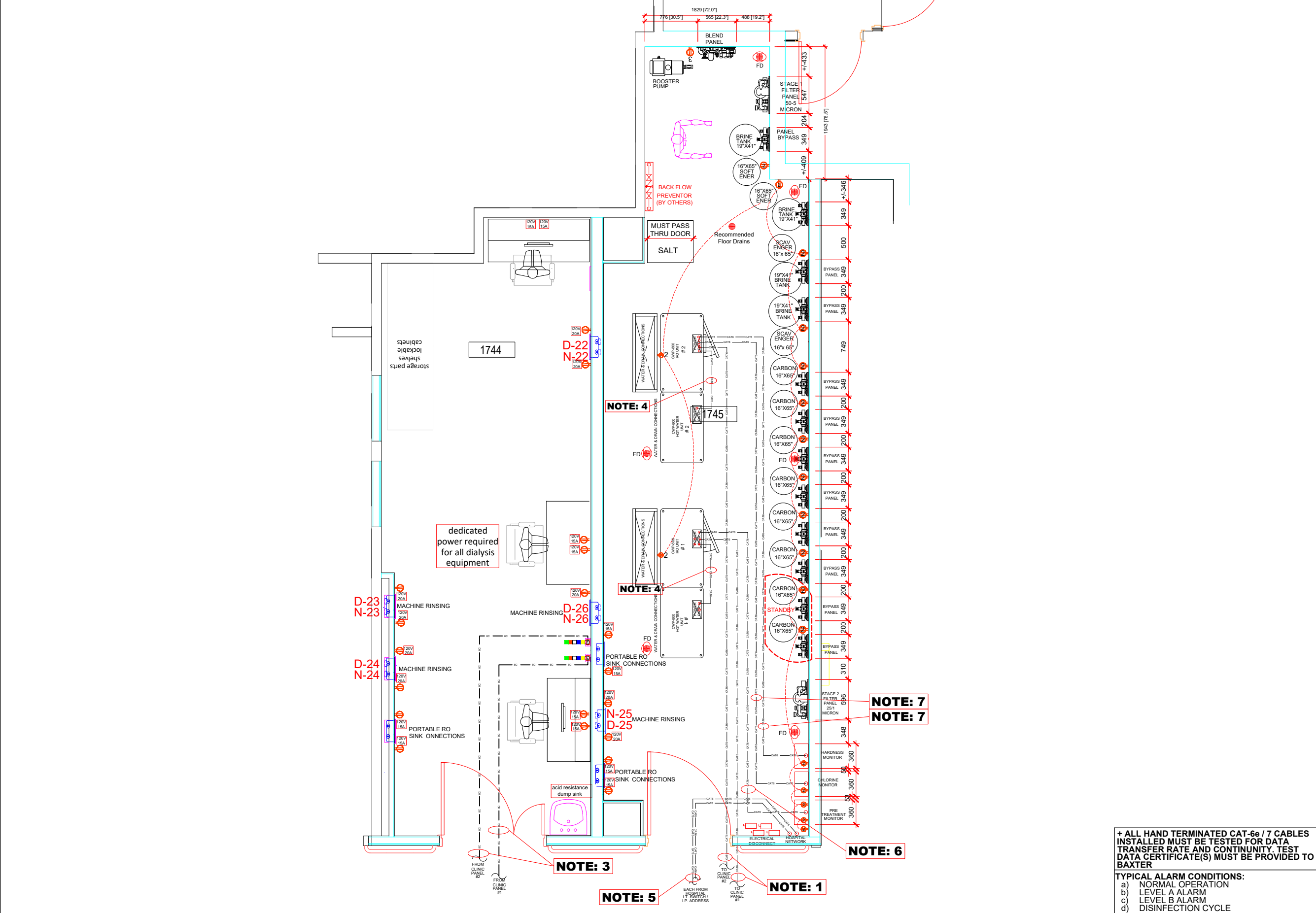
Approved By:

Scale: D.N.S.

Project #:

Drawing #:
051221-04-02

Rev #:
2



+ ALL HAND TERMINATED CAT-6e / 7 CABLES INSTALLED MUST BE TESTED FOR DATA TRANSFER RATE AND CONTINUITY. TEST DATA CERTIFICATE(S) MUST BE PROVIDED TO BAXTER

TYPICAL ALARM CONDITIONS:

- a) NORMAL OPERATION
- b) LEVEL A ALARM
- c) LEVEL B ALARM
- d) DISINFECTION CYCLE