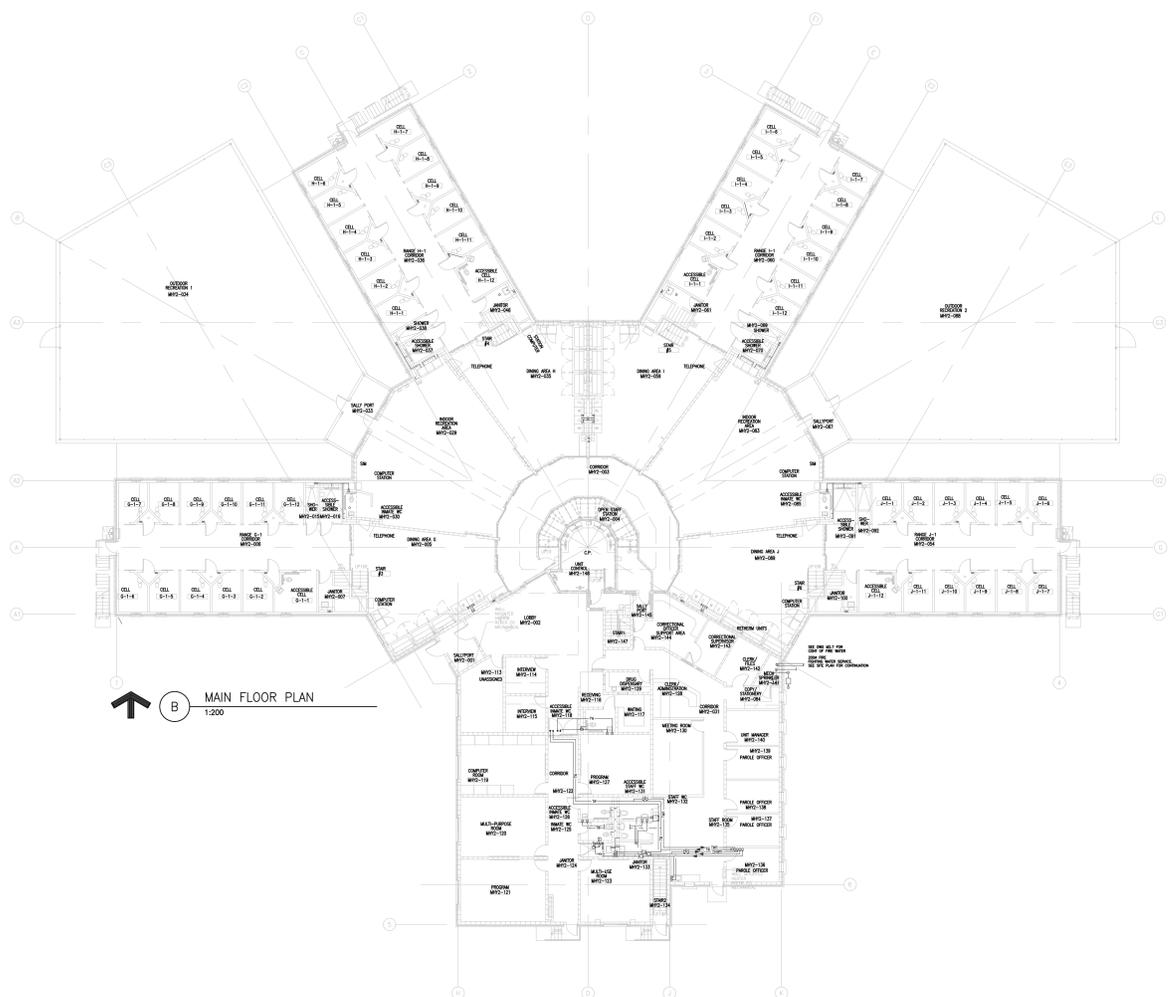
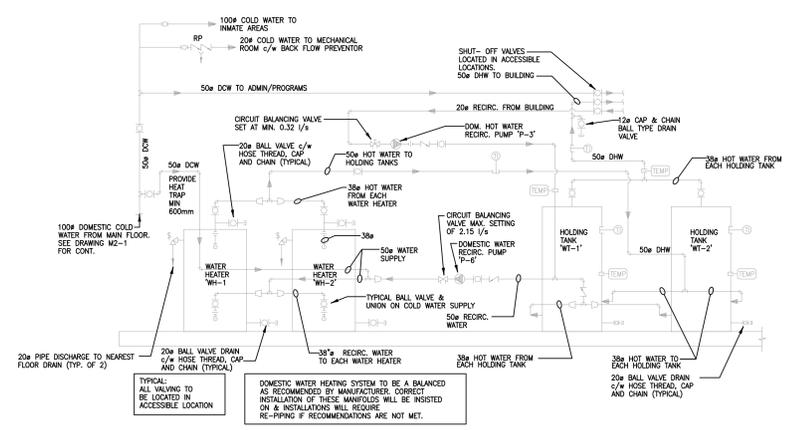


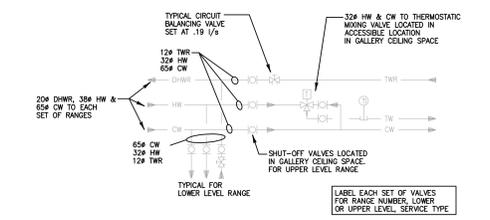
A GALLERY FLOOR PLAN
1:200



B MAIN FLOOR PLAN
1:200



C EXISTING DOMESTIC HOT WATER PIPING SCHEMATIC
N.T.S.



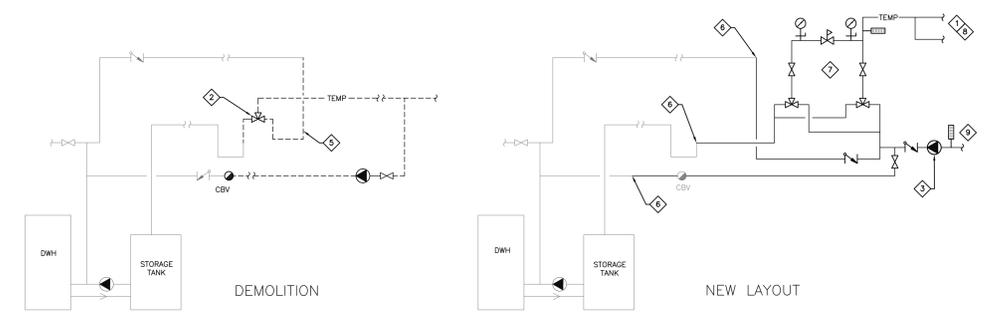
D EXISTING RANGE PLUMBING VALVE ARRANGEMENT
N.T.S.

GENERAL NOTES

1. DETAILS A, B, C, AND D SHOWS EXISTING DOMESTIC WATER PIPING LAYOUT FOR A POD UNIT TYPICAL FOR SEVERAL INSTITUTIONS ADMINISTERED BY CSC ACROSS CANADA.
2. WORK AND MODIFICATION UNDER THIS CONTRACT WILL BE A BENCHMARK FOR SAME RETROFITTS IN SIMILAR FACILITIES.
3. DOMESTIC WATER PIPING LAYOUT NUMBER AND LOCATION OF THE FIXTURES AND DOMESTIC HOT WATER GENERATION SYSTEM SHOWN FOR INFORMATION ONLY. THE LARGE SCALE CAD DRAWINGS WILL BE AVAILABLE TO THE CONTRACTOR.
4. PRIOR TO COMMENCING THE WORK CONTRACTOR TO VERIFY IF DOMESTIC WATER PIPING LAYOUT PIPE SIZES, NUMBER AND LOCATION OF THE FIXTURES AND DOMESTIC HOT WATER GENERATION SYSTEM WAS CONSTRUCTED AS PER DRAWINGS AND NOT ALTERED IN ANY SHAPE OR FORM. ANY DEVIATIONS FROM DESIGN SHALL BE REPORTED TO DEPARTMENTAL REPRESENTATIVE IN WRITING.
5. SURVEY FINDINGS AND DOMESTIC WATER PIPING LAYOUT NUMBER AND LOCATION OF THE FIXTURES AND DOMESTIC HOT WATER GENERATION SYSTEM SHALL BE USED BY EQUIPMENT MANUFACTURER TO RE-VERIFY EQUIPMENT SELECTION AND ASSURANCE THAT THE EQUIPMENT WILL PERFORM IN SATISFACTORY MANNER.
6. UPON COMPLETION OF THE WORK INDEPENDENT OX COMPANY SHALL COMMISSION AND VERIFY DOMESTIC WATER SYSTEM OPERATION.

DRAWING NOTES

1. REVISE PIPING INSTALLATION TO COMBINE THE TEMPERED WATER SUPPLY PIPING FOR GROUND AND UPPER FLOOR PODS IN EACH WING.
2. REMOVE EXISTING MIXING VALVES AND PROVIDE TWO INTERCONNECTED MIXING VALVES WORKING IN TANDEM ACROSS LOW AND HIGH FLOW CONDITIONS.
3. REVISE LOCATION AND PIPING ARRANGEMENT FOR EXISTING TEMPERED WATER RECIRCULATION PUMPS. ARRANGE AND PAY ALL COST FOR POWER FEED EXTENSION (PUMPS MOTOR 120V SP 15A). ALLOW FOR PIPING AND WIRING MODIFICATION WITHIN 5M RADIUS FROM CURRENT LOCATION, APPLICABLE TO 4 LOCATIONS (1 PER WING) TYPICAL.
4. REINSULATE AND PROVIDE PVC JACKETING FOR ALL PIPE AFFECTED BY THE WORK. PROVIDE NEW IDENTIFICATION TAGS. ALLOW FOR 10M.
5. AS INDICATED REMOVE EXISTING PIPING VALVES AND ACCESSORIES TO PROVIDE SUFFICIENT ROOM FOR NEW PIPING INSTALLATION. ALLOW FOR APPROX 4.0M OF PIPE REMOVAL UPSTREAM AND DOWNSTREAM OF EACH MIXING VALVES. APPLICABLE TO 8 ONLY LOCATIONS (EACH WING MAIN AND GALLERY). TYPICAL.
6. APPROXIMATE DEMARCATION POINT FOR REVISED PIPING ARRANGEMENT. EXTEND PIPES AND CONNECT TO LD-HI MIXING VALVES ASSEMBLY. TYPICAL.
7. PROVIDE LD-HI MIXING VALVE ASSEMBLY COMPLETE WITH ALL ACCESSORIES RECOMMENDED BY THE MANUFACTURER (SHUT OFF VALVES, CHECK VALVES, PRV'S, GAUGES AND THERMOMETERS UNIT TO BE FACTORY ASSEMBLED OR FIELD ASSEMBLY). PROVIDE ADEQUATE MEANS OF EQUIPMENT SERVICE, ISOLATION AND DRAINAGE. PROVIDE SUITABLE WALL SUPPORT. MIXING VALVE SCHEDULE: HI-LO MIXING VALVE, FLOW RANGE: LO 3-10 GPM, FLOW RANGE: HI 10-50 GPM, DISCHARGE WATER TEMPERATURE: 124.5 F TO 3.5 PSI, APPLICABLE TO 4 LOCATIONS (1 PER WING) TYPICAL.
8. SPLIT TEMPERED WATER SUPPLY PIPE FROM MIXING VALVE AND CONNECT TO EXISTING PIPING SERVING MAIN FLOOR AND GALLERY. APPLICABLE TO 4 LOCATIONS. TYPICAL.
9. MODIFY TEMPERED WATER RECIRCULATION LINES AS SHOWN.



1 DOMESTIC TEMPERED WATER PIPING MODIFICATION
SCALE: N.T.S.



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

revisions	description	date
1	SUBMITTED FOR TENDER	16/05/2018

A	detail no.	A
C	n° du détail	C
B	location drawing no.	B
C	sur dessin	C
	C. drawing no.	
	dessin n°	

project project

DOMESTIC HOT WATER SYSTEM RETROFIT

MILLHAVEN INSTITUTION

drawing dessin

DOMESTIC HOT WATER LAYOUT

Designed By	C.M.	Conçu par
Date	16/05/2018	(yyyy/mm/dd)
Drawn By	V.P.	Dessiné par
Date	16/05/2018	(yyyy/mm/dd)
Reviewed By	G.T.	Examiné par
Date	16/05/2018	(yyyy/mm/dd)
Approved By	G.S.	Approuvé par
Date	16/05/2018	(yyyy/mm/dd)
Tender	DUNCAN PARKER	Submission
Project Manager	Administrateur de projets	
Project no.	R.083709.003	n° du projet
Drawing no.	M01	n° du dessin