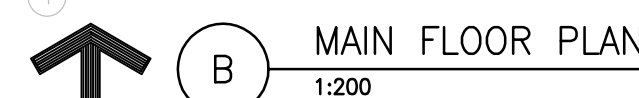


LOCATION OF COLLINS BAY INSTITUTION BUILDING AFFECTED BY SCOPE OF WORK







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 RETROFITS 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 THE EXISTING WATER PIPING LAYOUT 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 DEVIATION FROM DEPARTMENTS DEPARTMENTAL REPRESENTATIVE IN WRITING.

- ◆ REVERSE PIPING INSTALLATION TO COMBINE THE TEMPERED WATER AND REVERSE PIPING FOR GROUND AND UPPER FLOOR PDS IN EACH WING.
- ◆ REMOVE EXISTING MIXING VALVES AND PROVIDE TWO INTERCONNECTED MIXING VALVES WORKING IN TANDEM ACROSS ALL FLOOR FLOW CONNECTIONS.
- ◆ REVERSE LOCATION AND PIPING ARRANGEMENT FOR EXISTING TEMPERED WATER RECIRCULATION PUMP AND DISCHARGE TO EXISTING POWER ROOM FOR DISCHARGE (PUMP: 1500, 120V, 5P 15A). ALLOW FOR TYPICAL AND WIRING MODIFICATION WITHIN THE POWER ROOM CURTAIN AREA. (APPLICABLE TO 4 LOCATIONS) (1 PER WING) TYPICAL.
- ◆ REINSULATE AND PROVIDE PVC JACKING FOR ALL PIPE AFTER REVERSE THE WIRING. PROVIDE NEW IDENTIFICATION TAGS FOR ALLOW 10M.
- ◆ AS INDICATED REMOVE EXISTING PIPING VALVES AND ACCESSORIES FOR EXISTING TEMPERED WATER AND NEW PIPING INSTALLATION. ALLOW FOR APPROX. 4.0M OF PIPE REMOVAL. PROVIDE APPROX. 10M DOWNSTREAM OF THE EXISTING PIPING TO BE 6 ONLY LOCATIONS (EACH WING MAIN AND GALLERY, TYPICAL).
- ◆ APPROXIMATE DEMARCATION POINT FOR REVERSE PIPING ARRANGEMENT. EXISTING PIPES AND CONNECT TO LO-HI MIXING VALVE. TYPICAL.
- ◆ PROVIDE LO-HI MIXING VALVE ASSEMBLY COMPLETE WITH ALL ACCESSORIES RECOMMENDED BY THE MANUFACTURER (SHUT OFF VALVES, CHECK VALVES, PRESSURE GAUGES, TEMPERATURES, UNIT TO BE FACTORY ASSEMBLED OR FIELD ASSEMBLED). PROVIDE 10M DOWNSTREAM OF THE EXISTING PIPING ISOLATION AND DRAINAGE. PROVIDE SUITABLE WALL SUPPORT FOR EXISTING SCHEDULE 40S PIPE. (APPLICABLE TO 10-31M FLOOR RANGE, HI 10-50M DISCHARGE WATER TYPICAL, 10-25.5 M FLOOR RANGE) (APPLICABLE TO 4 LOCATIONS) (1 PER WING) TYPICAL.
- ◆ SPLIT TEMPERED WATER SUPPLY PIPE FROM MIXING VALVE AND CONNECTION TO EXISTING TEMPERED WATER FLOOR AND GALLERY. PROVIDE 10M DOWNSTREAM OF THE EXISTING PIPING. (APPLICABLE TO 4 LOCATIONS, TYPICAL).
- ◆ MODIFY TEMPERED WATER RECIRCULATION LINES AS SHOWN.



NEW LAYOUT

**1 DOMESTIC TEMPERED WATER PIPING MODIFICATION**  
M-01 SCALE: N.T.S.

project	projet
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## COLLINS BAY INSTITUTION

[illegible]

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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	Soumission	
DUNCAN PARKER		
Project Manager	Administrateur de projets	
Project no.	R.083709.002	n° du projet
Drawing no.	M01	n° du dessin