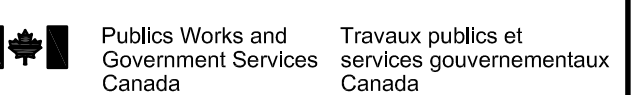


R.083709.003
DOMESTIC HOT WATER SYSTEM
RETROFIT
MILLHAVEN INSTITUTION
MECHANICAL



LOCATION OF MILLHAVEN
INSTITUTION BUILDING
AFFECTED BY SCOPE OF
WORK

Canada¹⁴

CIMA

05:68

Catherine Street, suite 110
 va, Ontario K2P 2G8
 tel: 613-893-2492
 613-893-1870
 cima.ca



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

[illegible]

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

A detail no.
n° du détail

B location drawing no.
sur dessin n°

C drawing no.
dessin n°

project	projet
---------	--------

DOMESTIC HOT WATER SYSTEM RETROFIT

WILLHAVEN INSTITUTION

drawing	dessin
---------	--------

TITLE PAGE AND KEY PLANS

Designed By	Conçu par
-------------	-----------

Designed by	C.M.	Controlled by
Date	16/05/2018	(yyyy/mm/dd)

Drawn By	Dessiné par
----------	-------------

Date	V.P. 16/05/2018	(yyyy/mm/dd)
------	--------------------	--------------

Reviewed By	Examiné par
G.T.	

Date	16/05/2018	(yyyy/mm/dd)
------	------------	--------------

Approved By	Approuvé par
G.S.	

Date	16/05/2018	(yyyy/mm/dd)
Gender	Submission	

ender

Submission

DUNCAN PARKER

Project Manager	Administrateur de projets
-----------------	---------------------------

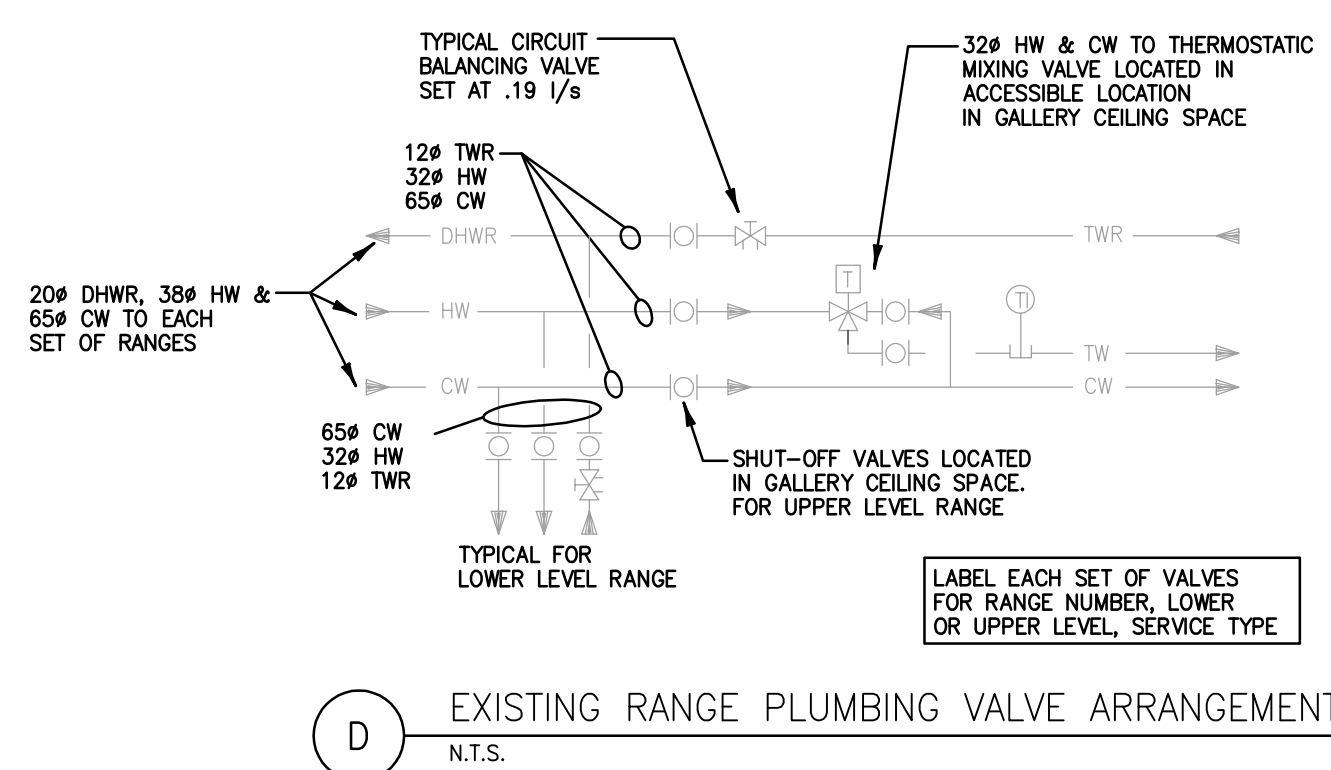
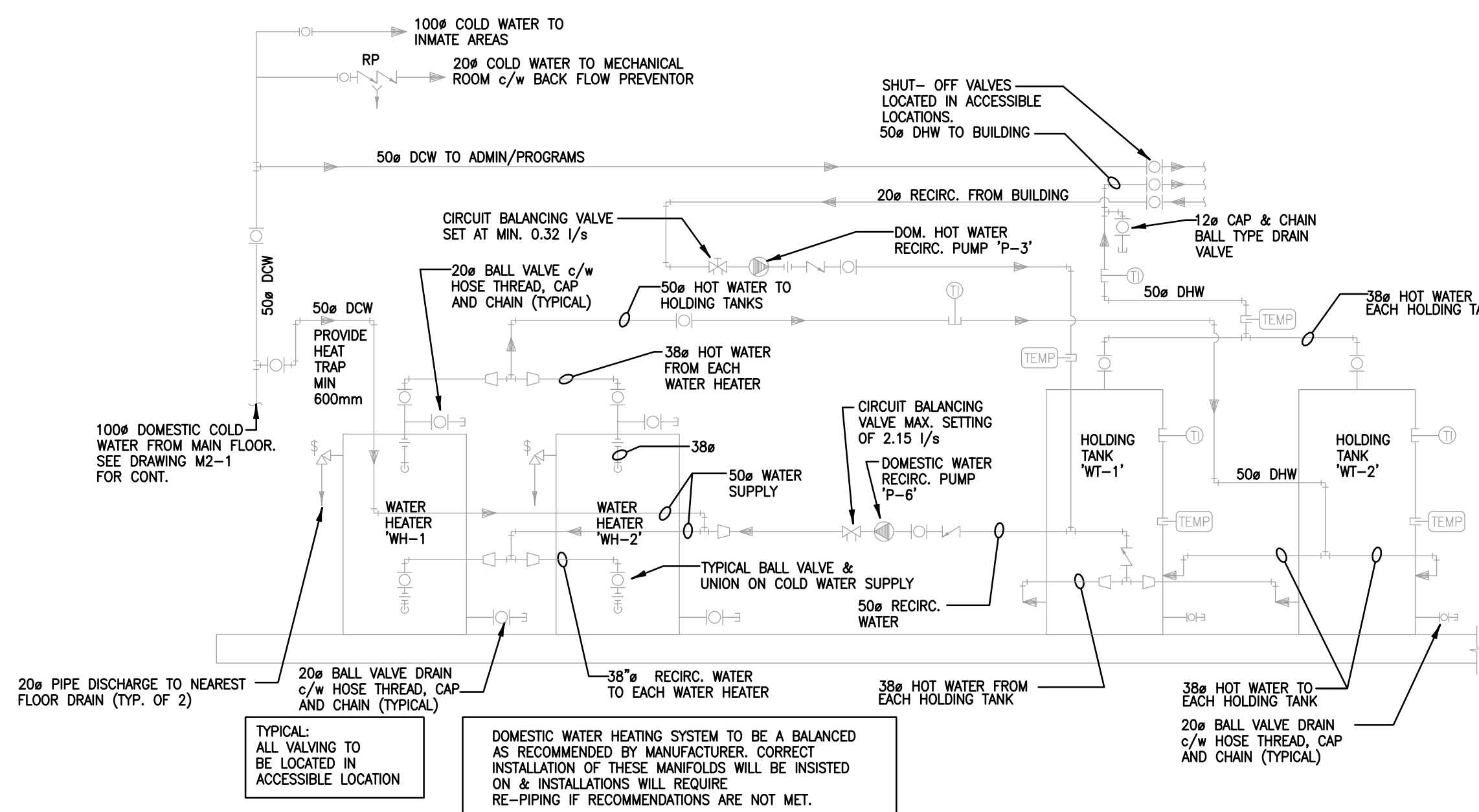
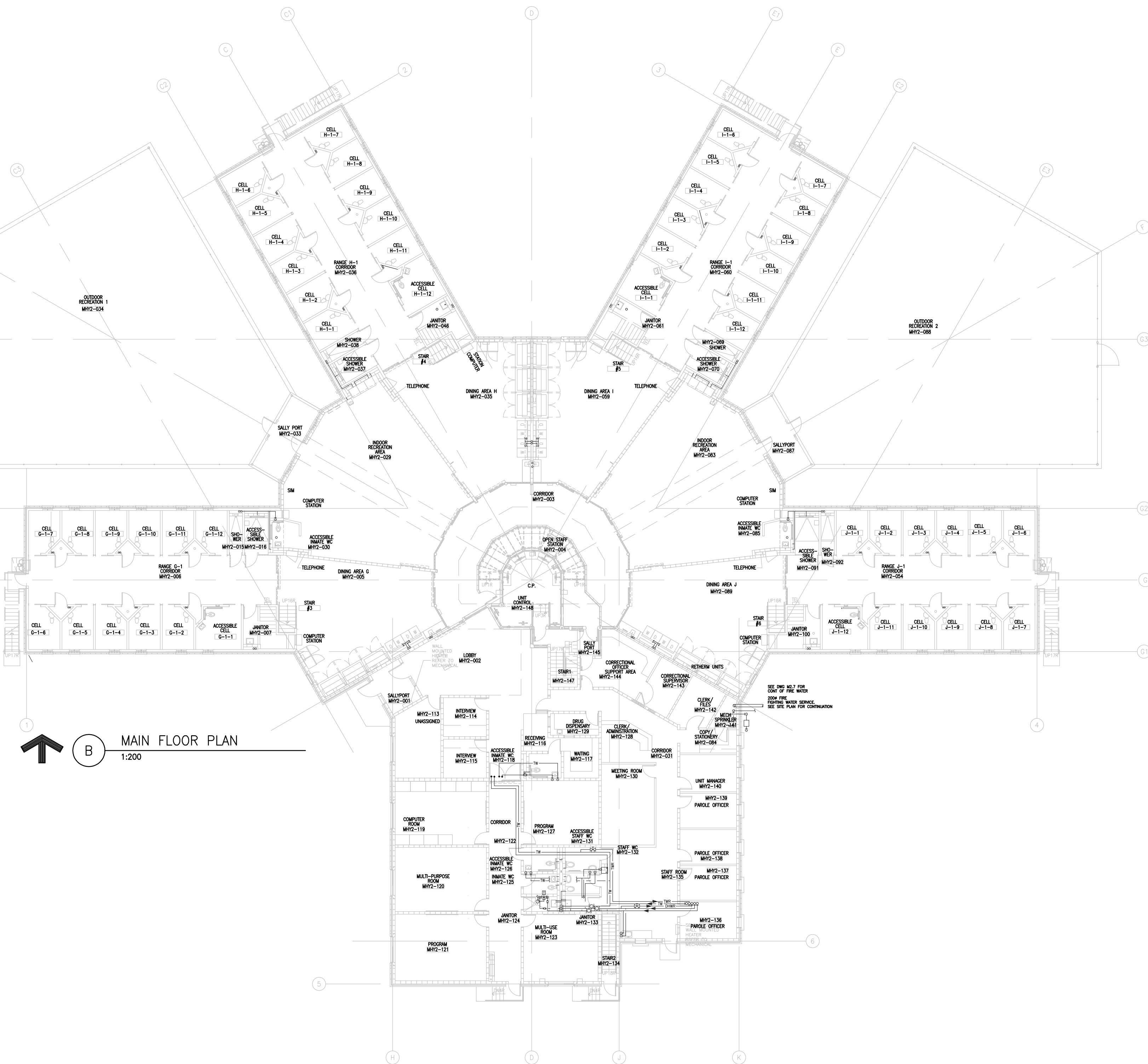
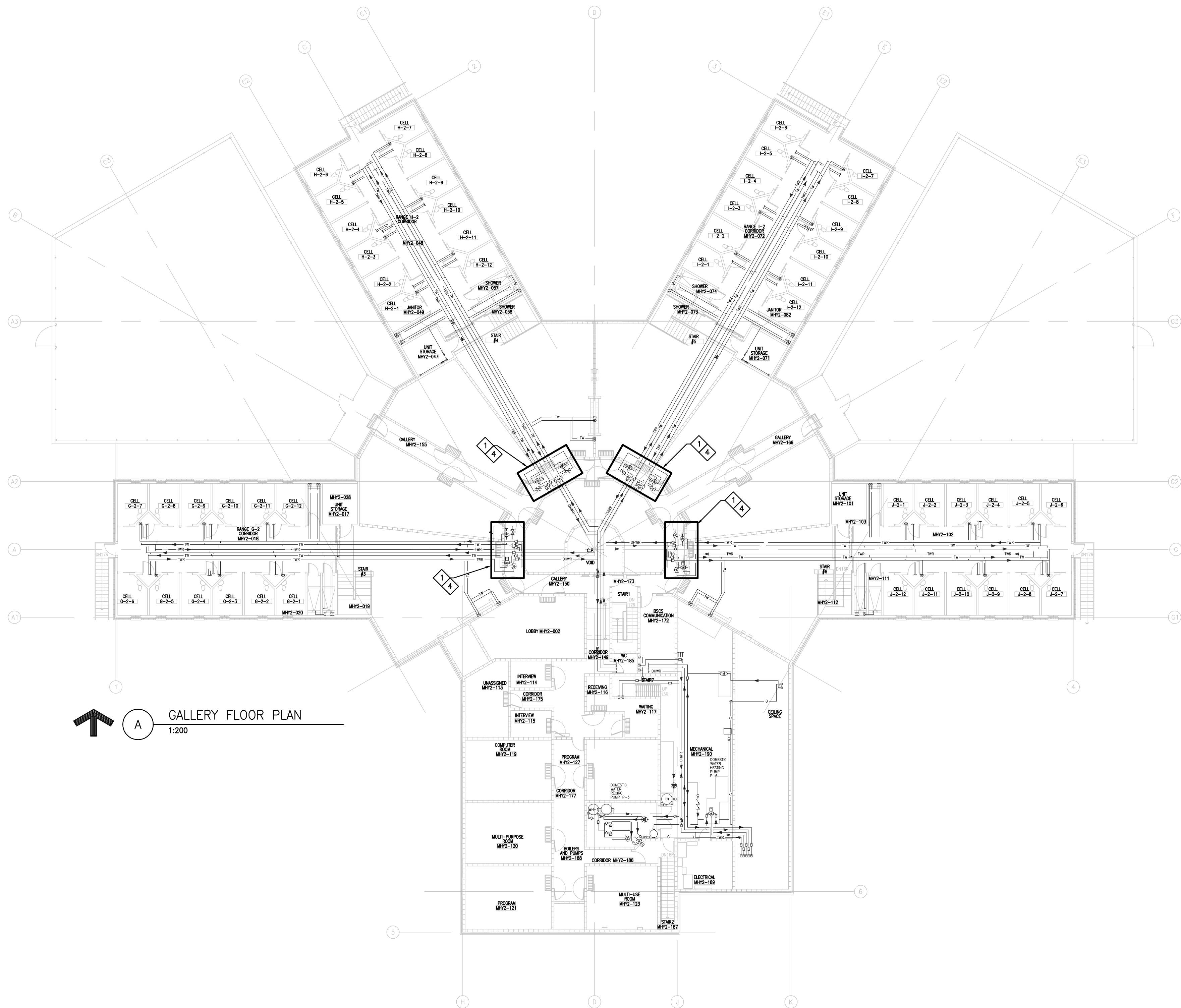
Project no.	n° du projet
P 083709 003	

R.083709.003

Drawing no. **M00** n° du dessin

100

Drawing name: C:\Users\50506\OneDrive - CSC-Domestic Hot Water System Retrofit\14-03-14303 MILLHAVEN.dwg Date: May 16, 2018 9:20:14am



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 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 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 CX COMPANY SHALL COMMISSION AND VERIFY DOMESTIC WATER SYSTEM OPERATION.

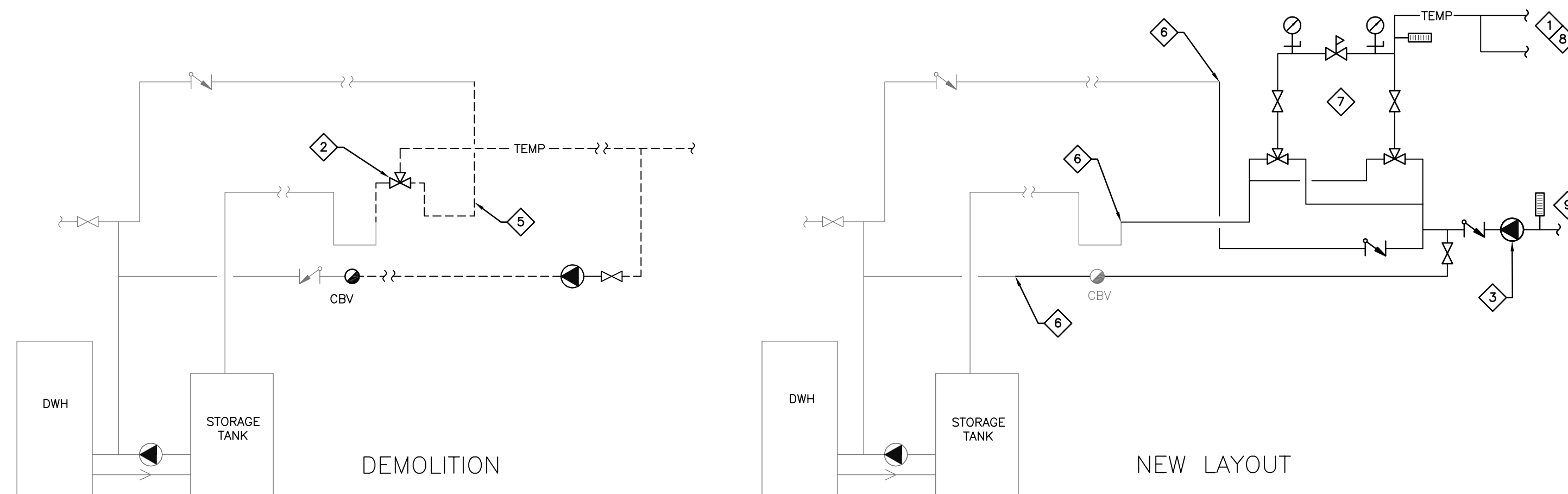
DRAWING NOTES

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. RENSULATE 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 APX 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 LO-HI MIXING VALVES ASSEMBLY. TYPICAL.
7. PROVIDE LO-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 ASSEMBLED. 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
M-001

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.

1	SUBMITTED FOR TENDER	16/05/2018
---	----------------------	------------

revisions	description	date
A	A detail no. n° du détail	
B	B location drawing no. leur dessin n°	
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	Soumission
Project Manager	Administrateur de projets	
Project no.	R.083709.003	n° du projet
Drawing no.	M01	n° du dessin