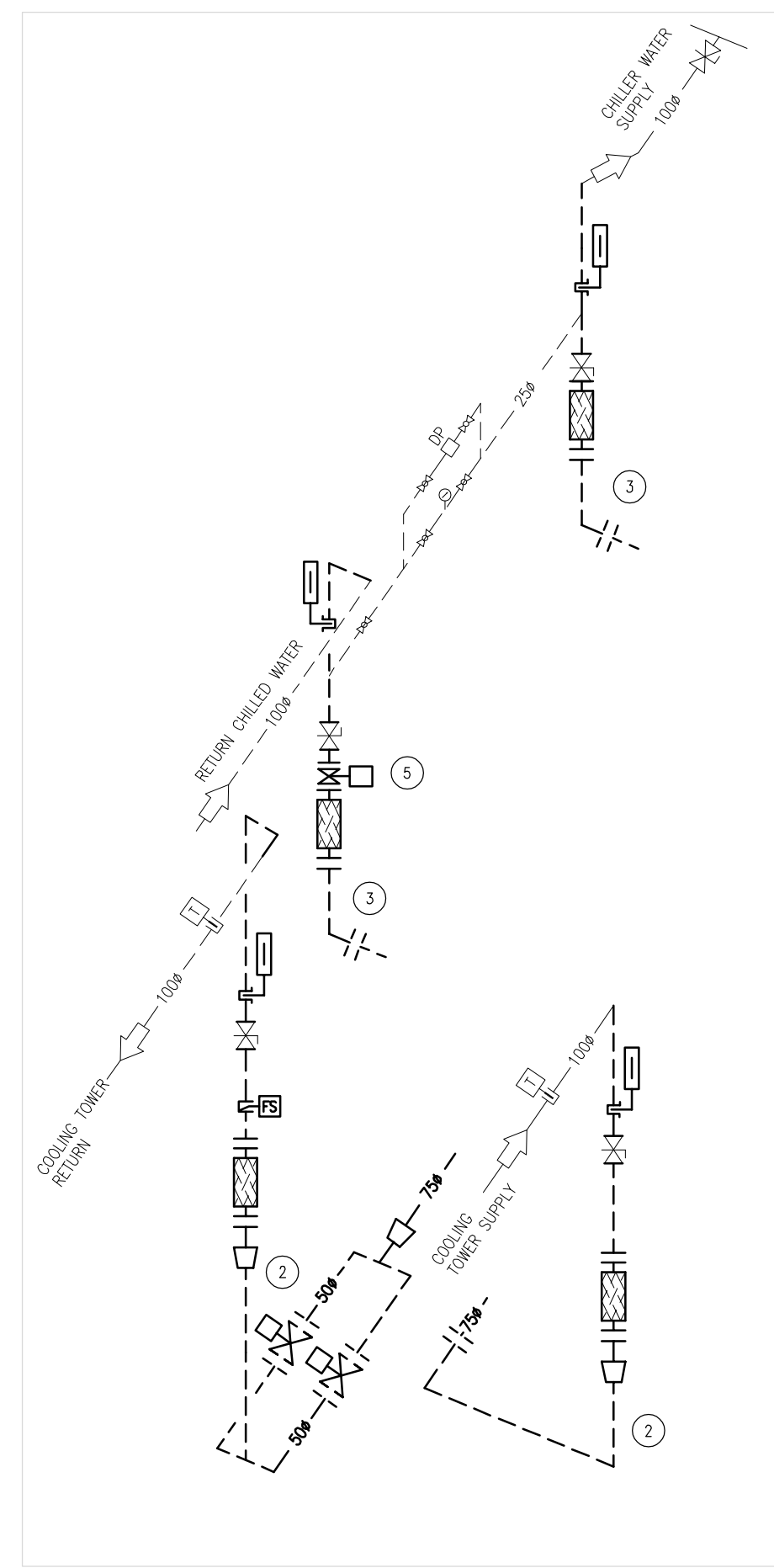


1 PLAN VIEW - DEMOLITION
G01

DEMOLITION NOTES: (X)

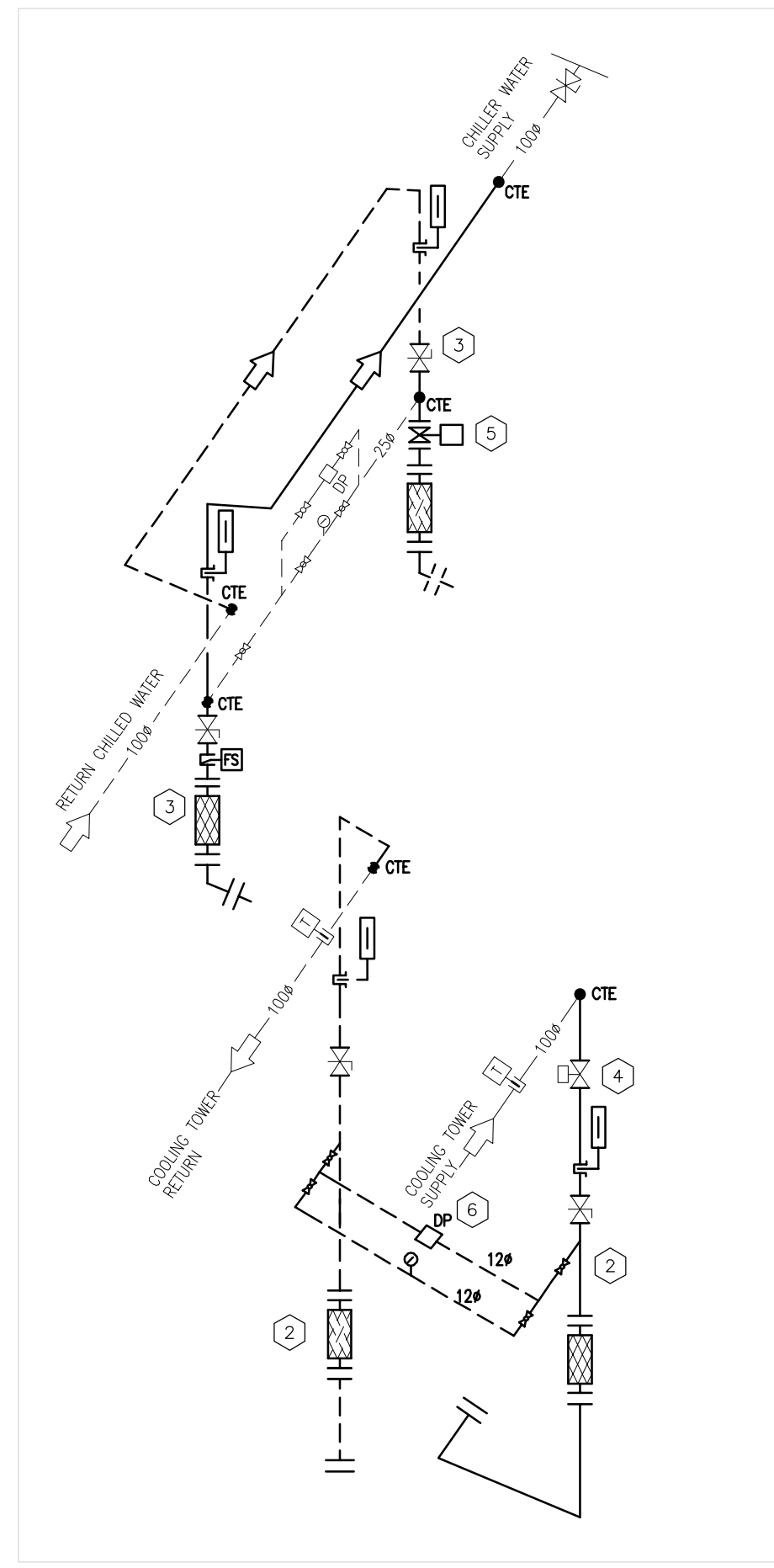
- EXISTING CHILLER TO BE REMOVED FROM M50 AND DISPOSED OF BY CONTRACTOR. CONTRACTOR SHALL MEET ALL DISPOSAL AND HANDLING REQUIREMENTS AS STATED IN LATEST VERSION OF FEDERAL HALOCARBON REGULATIONS.
- EXISTING SUPPLY AND RETURN CONDENSER PIPING, FITTINGS, INSTRUMENTS, ETC TO BE REMOVED.
- EXISTING INSULATED CHILLED WATER SUPPLY AND RETURN PIPING, FITTINGS, INSTRUMENTS, ETC TO BE REMOVED.
- DISCONNECT WIRING FROM LOCAL DISCONNECT AND EXISTING CHILLER.
- EXISTING CONTROL VALVE TO BE RELOCATED. REFER TO NEW LAYOUT. WIRING TO BE COMPLETED BY DIVISION 25. RELOCATION OF VALVE TO BE COMPLETED BY DIVISION 23.
- EXISTING LIGHTING FIXTURE TO BE DISCONNECTED AND REMOVED, EXISTING CIRCUIT TO REMAIN FOR NEW FIXTURES.



2 PIPING SCHEMATIC - DEMOLITION
G01 SCALE: NTS

NEW WORK NOTES: (X)

- NEW CHILLER 500CH05. SEE DRAWING 5860-G02 FOR EQUIPMENT SCHEDULE. EXACT LOCATION OF NEW CHILLER TO BE COORDINATE ON WITH DEPARTMENTAL REPRESENTATIVE.
- PROVIDE NEW SUPPLY AND RETURN CONDENSER WATER PIPING, FITTINGS, INSTRUMENTS TO SUIT NEW CHILLER.
- PROVIDE NEW INSULATED SUPPLY AND RETURN CHILLED WATER PIPING, FITTINGS, INSTRUMENTS TO SUIT NEW CHILLER.
- NEW CONTROL VALVE. SUPPLIED AND WIRED BY CONTROLS CONTRACTOR; INSTALLED BY MECHANICAL CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
- EXISTING CONTROL VALVE TO BE RELOCATED TO THIS LOCATION. WIRING BY DIVISION 25. INSTALLATION BY DIVISION 23.
- NEW DIFFERENTIAL PRESSURE TRANSMITTER TO BE SUPPLIED AND WIRED BY DIVISION 25 AND INSTALLED BY DIVISION 23.
- WATER FLOW SWITCH TO BE PROVIDED BY CHILLER MANUFACTURER AND INSTALLED BY DIVISION 25.
- ELECTRONIC CURRENT INTENSITY TRANSMITTER TO BE PROVIDED AND INSTALLED BY DIVISION 25.
- REFER TO CHILLER SPECIFICATIONS FOR BACNET POINTS TO BE PROVIDED AT THE BAS WORKSTATION.



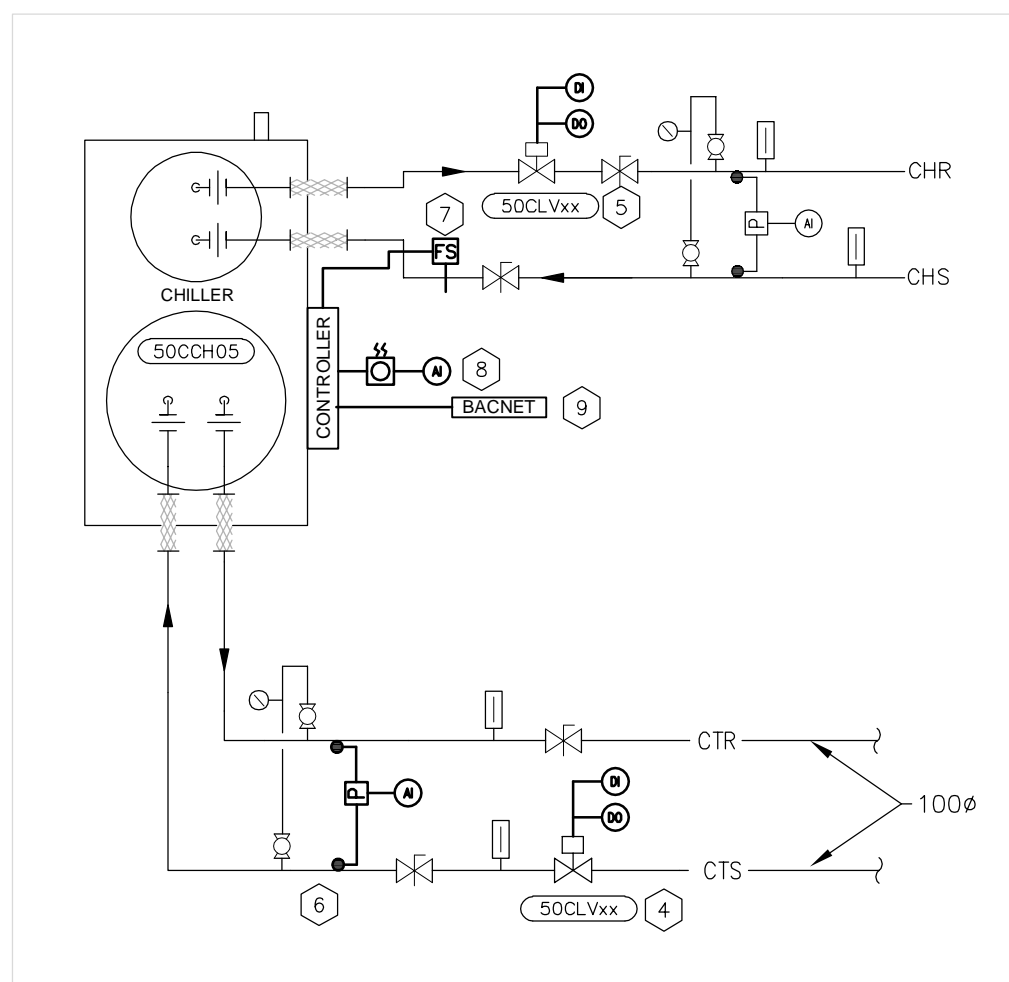
3 PIPING SCHEMATIC - NEW LAYOUT
G01 SCALE: NTS

NEW ELECTRICAL WORK NOTES: (X)

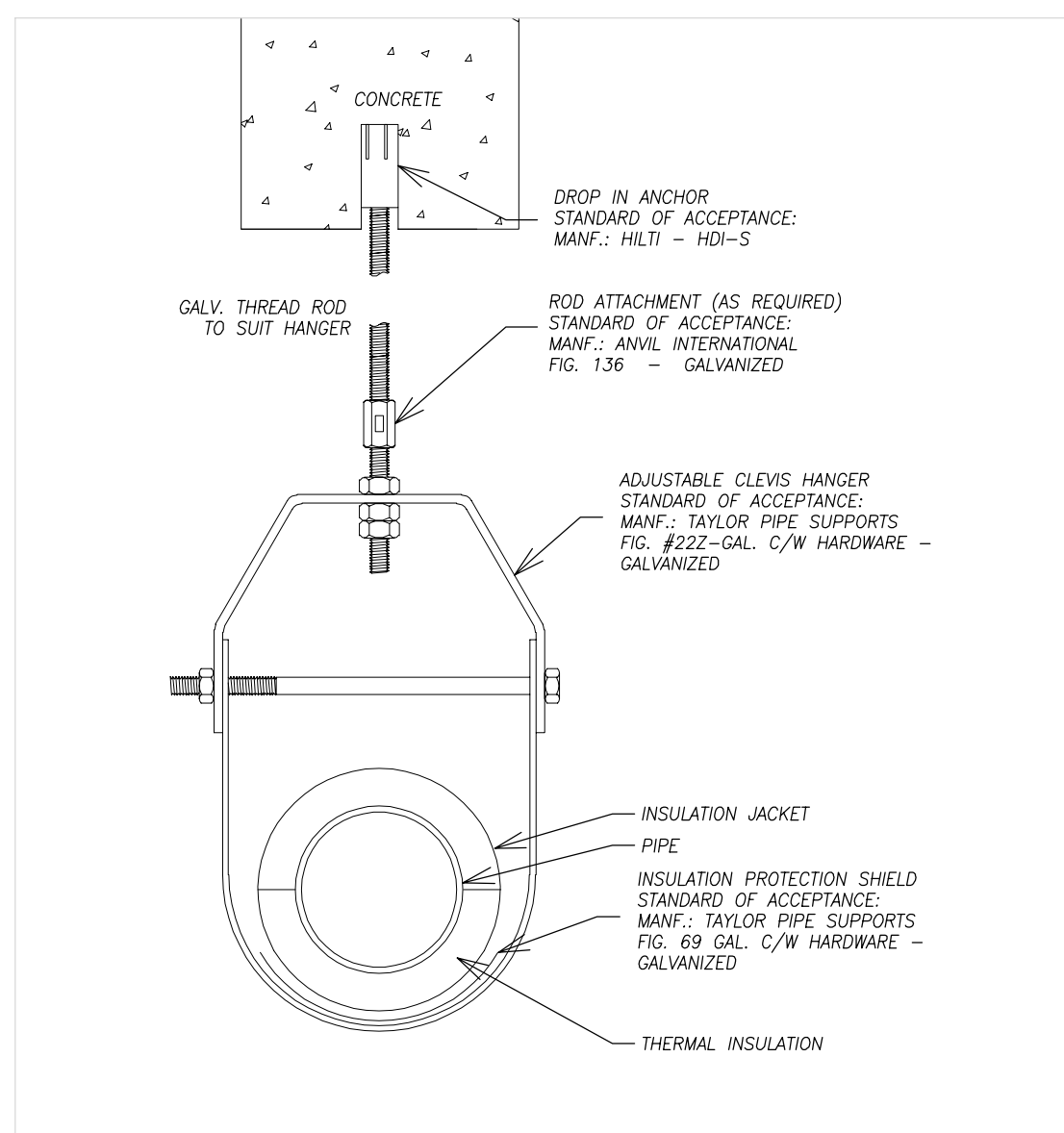
- PROVIDE NEW 3/8" Ø DND IN EMT AND FLEXIBLE CONNECTION FROM LOCAL DISCONNECT TO NEW CHILLER.
- PROVIDE NEW LED LINEAR STRIP LIGHTING FIXTURE WITH INTEGRAL SENSOR. - SIGNIFY CFI FLUORTEAM, FSS440L840-UNV-DM-SKZ0T - WALL MOUNT @ 2.5M ABOVE FLOOR

GENERAL PROJECT NOTES:

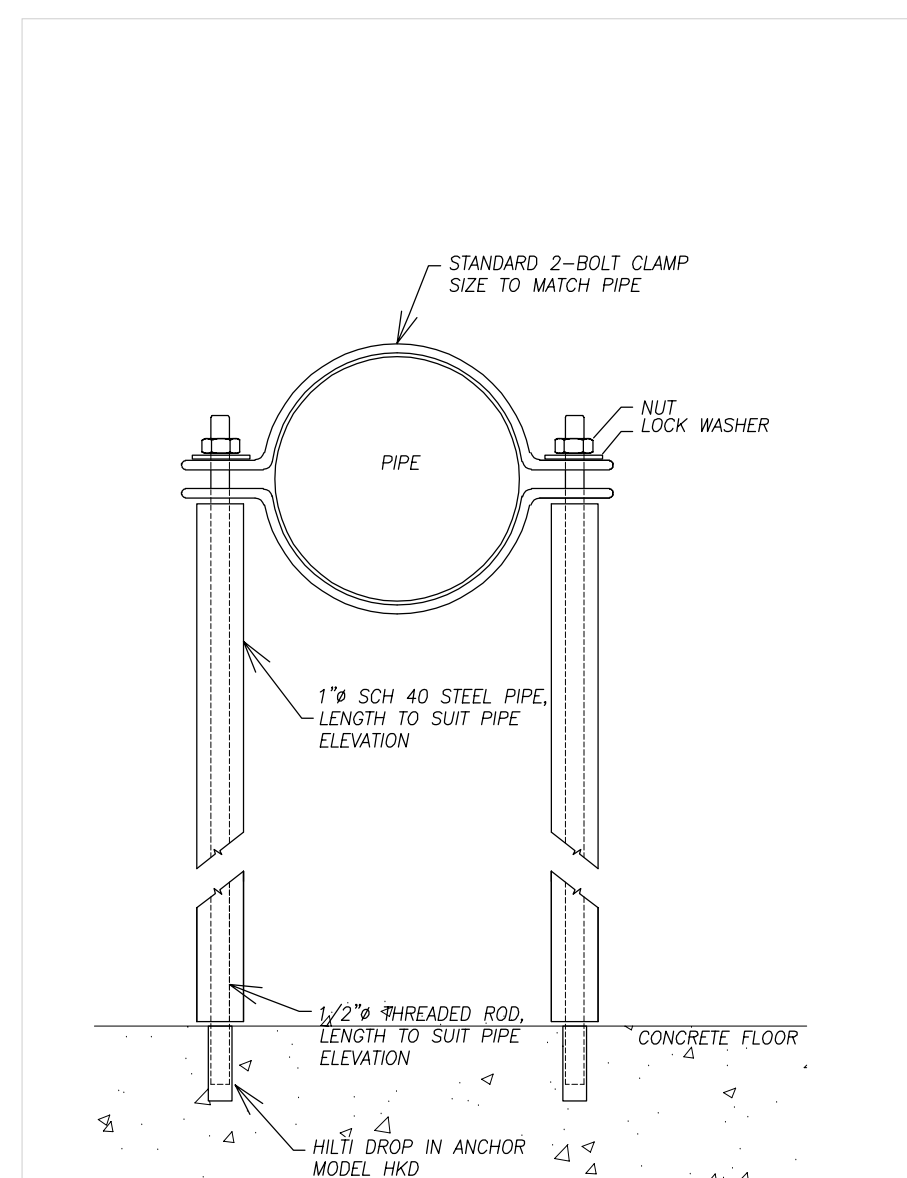
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND CLEARANCES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES AND/OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE AND FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK PRIOR TO PROJECT COMMENCEMENT.
- ALL TRADES TO COORDINATE WORK ON SITE, WITH APPROVAL OF DEPARTMENTAL REPRESENTATIVE TO AVOID ANY CONFLICTS AND/OR INTERFERENCE.
- ANY AND ALL REQUIRED SHUTDOWNS SHALL BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
- INSTALLATION OF ALL SYSTEMS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.
- CONTRACTOR TO BE RESPONSIBLE FOR REINSTATEMENT AND REPAIR OF ANY DAMAGE CAUSED INSIDE AND OUTSIDE AREA OF WORK.
- PROVIDE MILL TEST REPORT FOR ALL PIPING USED.
- THE CONTRACTOR IS RESPONSIBLE TO ORGANIZE AND ARRANGE FOR ALL LICENSE AND WELDING PROCEDURES AND WELDERS QUALIFICATION VERIFICATION BY TSSA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIAL NECESSARY TO BLANK OFF SECTION OF PIPING BEING TESTED AND REMOVE ITEMS WHICH CANNOT SUSTAIN TEST PRESSURE.
- CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH ALL TESTING AND INSPECTIONS.
- CONTRACTOR SHALL PROVIDE RECORDS OF ALL PRESSURE TESTS, DATA ON INSTRUMENTATION USED AND CALIBRATION INFORMATION OF EQUIPMENT USED. ALL PRESSURE TEST RESULTS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: DATE/TIME OF TEST, PIPE SECTION BEING TESTED, TESTING FLUID, STARTING TEST PRESSURE, ENDING TEST PRESSURE, DURATION OF TEST, FULL RANGE OF PRESSURE GAUGE, OUTSIDE TEMPERATURE, INDIVIDUAL/COMPANY COMPLETING TEST, INDEPENDENT INDIVIDUAL/COMPANY WITNESSING TEST, TSSA INSPECTOR NAME PRESENT DURING TEST IF DIFFERENT THAN ABOVE. PRESSURE SCALE ON ANY TESTING GAUGE SHALL NOT EXCEED 1.2 TIMES TEST PRESSURE.
- THIS DRAWING SET WAS PREPARED FOR TENDER PURPOSES AND IS INTENDED TO CONVEY GENERAL INSTALLATION REQUIREMENTS OF NEW PIPING. CONTRACTOR IS RESPONSIBLE TO VERIFY SITE CONDITIONS AND MEASUREMENTS AT TIME OF BIDDING. SUBMITTAL OF TENDER SHALL MEAN THE ACCEPTANCE OF SITE CONDITIONS. AS SUCH CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE ANY OFFSETS OR ADJUSTMENTS INCLUDING EXTRA FITTINGS AND/OR OTHER MATERIAL AND LABOR WHICH MAY BE REQUIRED TO SUIT SITE CONDITION AND MEASUREMENTS.
- PROVIDE SHOP DRAWINGS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE, SHOP DRAWINGS SHALL BE REVIEWED BY DEPARTMENTAL REPRESENTATIVE BEFORE MATERIAL AND/OR EQUIPMENT IS PURCHASED BY THE CONTRACTOR.
- CONTRACTOR TO PROVIDE VERIFICATION THAT INSTALLATION OF CHILLER MEETS CURRENT SEISMIC REQUIREMENTS.
- CONTROLS CONTRACTOR: ALL CONTROL WORK TO BE COMPLETED BY ANSWORTH INC. CONTACT AARON DOBSON AT (613) 247-7938 OR AARON.DOBSON@ANSWORTH.COM FOR PRICING. CONTROLS CONTRACTOR TO SUPPLY CONTROL VALVE. CONTROLS CONTRACTOR TO PROVIDE ALL CONTROL WIRING AND UPDATED EXISTING BAS GRAPHICS SCREEN AND CONTROLS TO SUIT NEW CONTROLS EQUIPMENT. NEW CHILLED CONTROLS TO BE CONNECTED TO EXISTING BAS.
- ALL EXTERIOR NEW AND EXISTING VENT PIPING TO BE PAINTED WITH TWO COATS OF SHERWIN-WILLIAMS SILVER-BRITE ALUMINUM PAINT OR APPROVED EQUIVALENT.



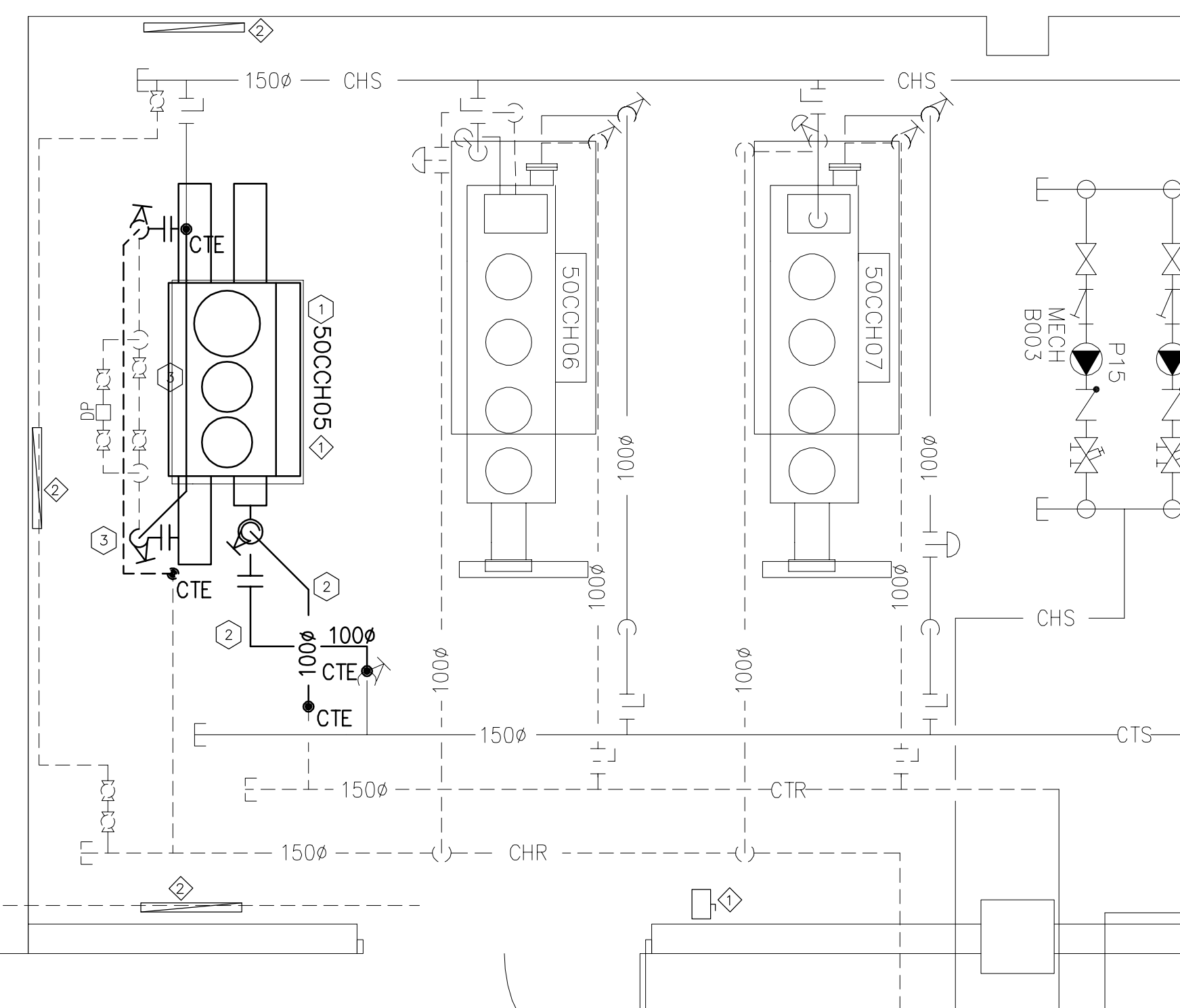
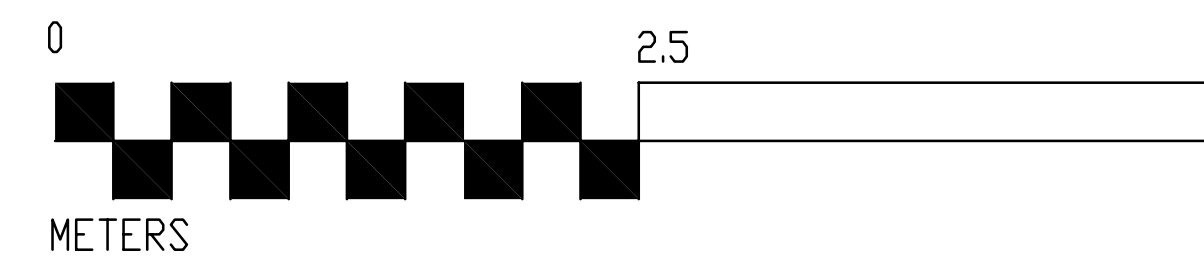
7 CONTROLS SCHEMATIC - NEW LAYOUT
G01 SCALE: NTS



5 SUPPORT DETAIL: PS2
G01 SCALE: NTS



6 PIPE SUPPORT DETAIL: PS1
G01 SCALE: NTS

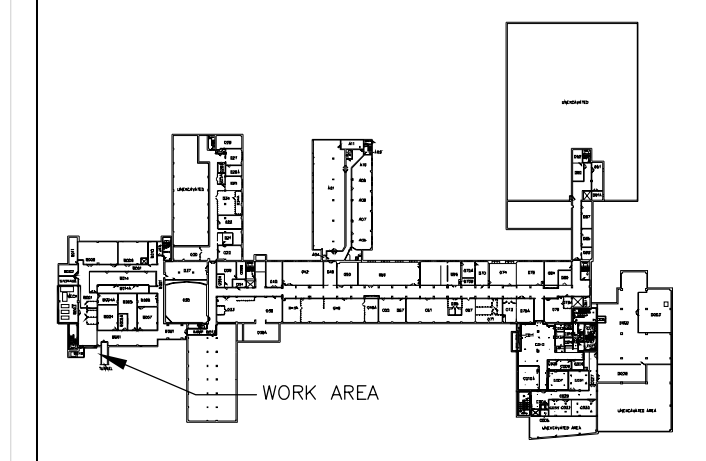


4 PLAN VIEW - NEW LAYOUT
G01

LEGEND

(Symbol)	INDICATES NEW
(Symbol)	INDICATES EXISTING (TO REMAIN)
(Symbol)	INDICATES DEMOLISHED/ REMOVED
---VNT-R---	VENT PIPING
---CHS---	CHILLED WATER SUPPLY
---CHR---	CHILLED WATER RETURN
---CTS---	COOLING TOWER SUPPLY
---CTR---	COOLING TOWER RETURN
(Symbol)	CONTROL LINE
(Symbol)	VALVE - VERTICAL
(Symbol)	2-WAY CONTROL VALVE
(Symbol)	BUTTERFLY VALVE
(Symbol)	UNION
(Symbol)	REDUCER COUPLING
(Symbol)	THERMOMETER
(Symbol)	PRESSURE GAUGE
(Symbol)	BALL VALVE
(Symbol)	FLANGED CONNECTION
(Symbol)	FLOW SWITCH
(Symbol)	PUMP
(Symbol)	CHECK VALVE
(Symbol)	CIRCUIT BALANCING VALVE
(Symbol)	CONNECT TO EXISTING
(Symbol)	PRESSURE DIFFERENTIAL TRANSMITTER
(Symbol)	SAFETY RELIEF VALVE
(Symbol)	FLEXIBLE CONNECTION
(Symbol)	ELECTRONIC CURRENT INTENSITY TRANSMITTER
(Symbol)	DIGITAL OUTPUT
(Symbol)	DIGITAL INPUT
(Symbol)	ANALOG OUTPUT
(Symbol)	ANALOG INPUT
(Symbol)	PIPE UP
(Symbol)	PIPE DOWN
---XXe---	PIPE DIAMETER IN MM
(Symbol)	PIPE CONTINUATION
(Symbol)	CAP

KEY PLAN



No.	Date	Revision	By
0	04 02 2021	ISSUED FOR TENDER	R.G.C.

Date Printed: _____ Date imprimée: _____
o Verify all dimensions and site conditions and be responsible for same
o Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

(A)	A Detail no. / No. du détail	(A)
(C)	B Location drawing no. / sur dessin no.	(B) (C)
	C Drawing no. / dessin no.	

project: **CHILLER 500CH05 REPLACEMENT** projet

MONTREAL ROAD CAMPUS : M50

drawing: **LEGEND, DEMOLITION, AND NEW LAYOUT** dessin

designed: **RPPM** conçu: **JULY 2021** date

drawn: **RGC/ZF/KL** dessiné: **AS NOTED** échelle

checked: **IAF** vérifié: **1 of/de 2** feuille

approved: **ALS** approuvé: **W.O.no.** D.T.no.

dwg.no.: **5860-G01** dessin no.