



CONSTRUCTION NOTES: ①

- 1. EXISTING CIRCUIT AND MANUAL STARTER TO DOMESTIC HOT WATER PUMP TO BE RELOCATED TO NEW LOCATION INDICATED. PROVIDE ADDITIONAL WIRING. COORDINATE WITH DIVISION 23
- EXISTING RACEWAY WITH CIRCUITS TO BE DISCONNECTED AND RELOCATED AS SHOWN.
- EXISTING 4" RIGID CONDUIT TO BE DEMOLISHED, CAP THE OPENINGS ON EXISTING PULL BOX. EXISTING LIGHTING FIXTURE TO BE DISCONNECTED AND REMOVED, RETAIN CIRCUIT TO RE-USE
- PROVIDE NEW SQ D I-LINE BREAKER IN EXISTING PANEL PROVIDE NEW SQ D I-LINE PANEL P2 WITH BREAKER AND ELECTRONIC TRIP UNIT, 45" MOUNTING SPACE
- PROVIDE NEW WIRING AND CONNECTION AS SHOWN
- 8. PROVIDE NEW LED LINEAR STRIP LIGHTING FIXTURE, POWER BY EXISTING CIRCUIT
- SIGNIFY FLUXSTREAM, FSS440L840-UNV-DIM 9. EQUIPMENT PROVIDED BY DIV.23
- 10. PROVIDE NEW NON-FUSED DISCONNECT NEXT TO HEATER
- 11. DISCONNECT AND REMOVE EXISTING WIRING TO EXISTING HOT WATER TANK AND EXHAUST FAN 12. PROVIDE ADDITIONAL MOTION SENSOR FOR NEW LIGHTS IN ROOM B41, MATCH THE EXISTING

GENERAL NOTES

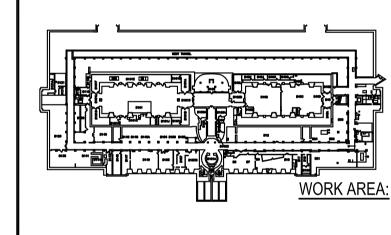
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND CLEARANCES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES AND/OR OMISSIONS TO
- DEPARTMENTAL REPRESENTATIVE. CONTRACTORS MUST VISIT THE SITE AND FULLY
- FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK PRIOR TO PROJECT COMMENCEMENT. ALL TRADES TO 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 BY WORK. CONTRACTOR SHALL PREVENT THE SPREAD OF DUST AND
- DEBRIS BEYOND AREA OF WORK AND CLEAN ALL
- SURFACES AT COMPLETION.

 3. ALL SHUTDOWNS SHALL BE PERFORMED AFTER NORMAL

WORKING HOURS

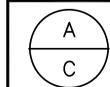
INFILL THE OPENINGS THROUGH THE FLOOR WITH FIRE RATED ROXUL INSULATION AND SELF-LEVELING FIRE RETARDANT

KEY PLAN PLAN CLÉ



Date Printed Date imprime			
No.	Date	Revision	By: Par:
0	14 10 2020	ISSUED FOR TENDER	RGC

- o Vérifier toutes les dimensions et l'état des liéux et en assumer la responsabilité



No. du détail B Location drawing no. C Drawing no. dessin no.

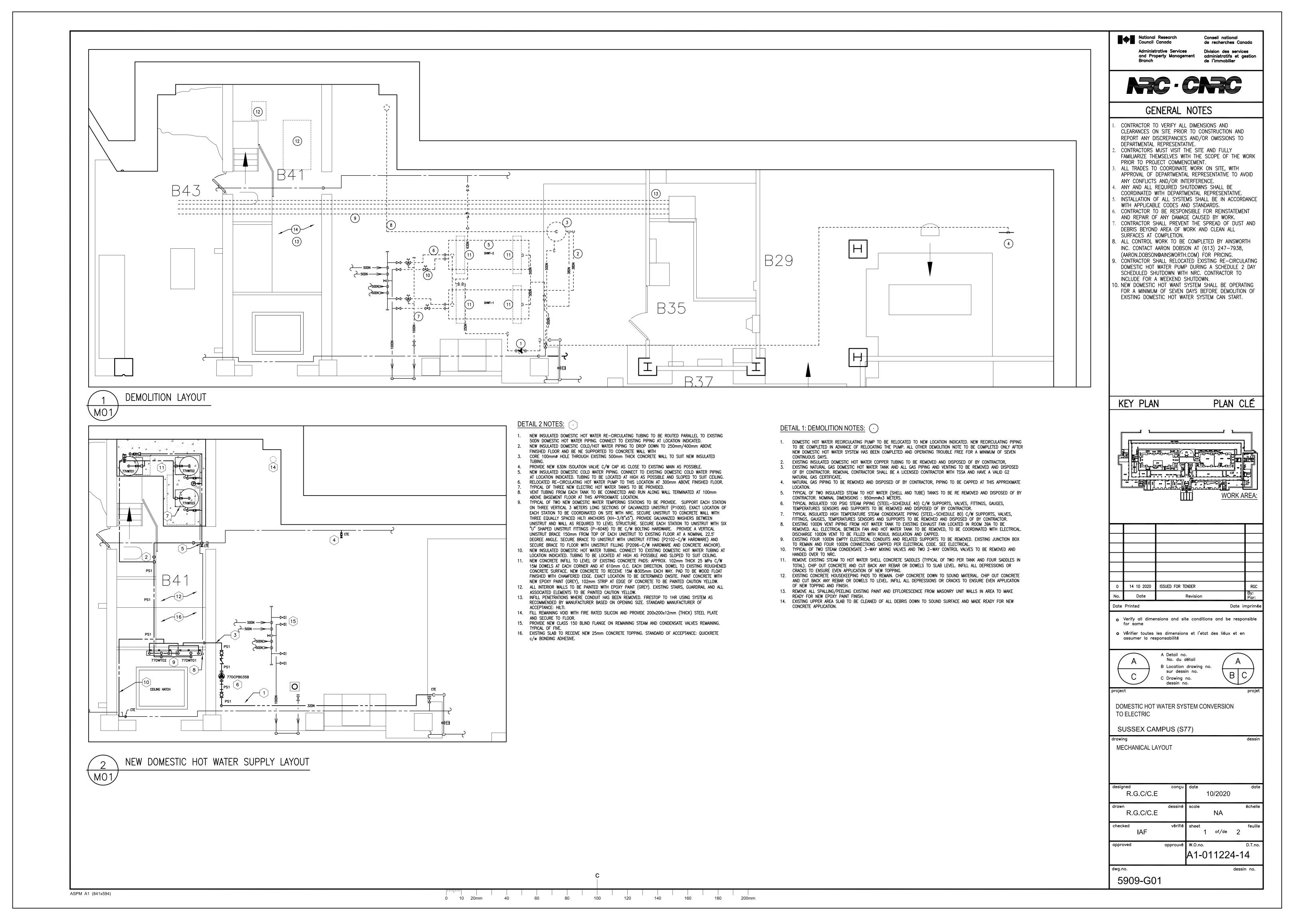
DOMESTIC HOT WATER SYSTEM CONVERSION TO ELECTRIC

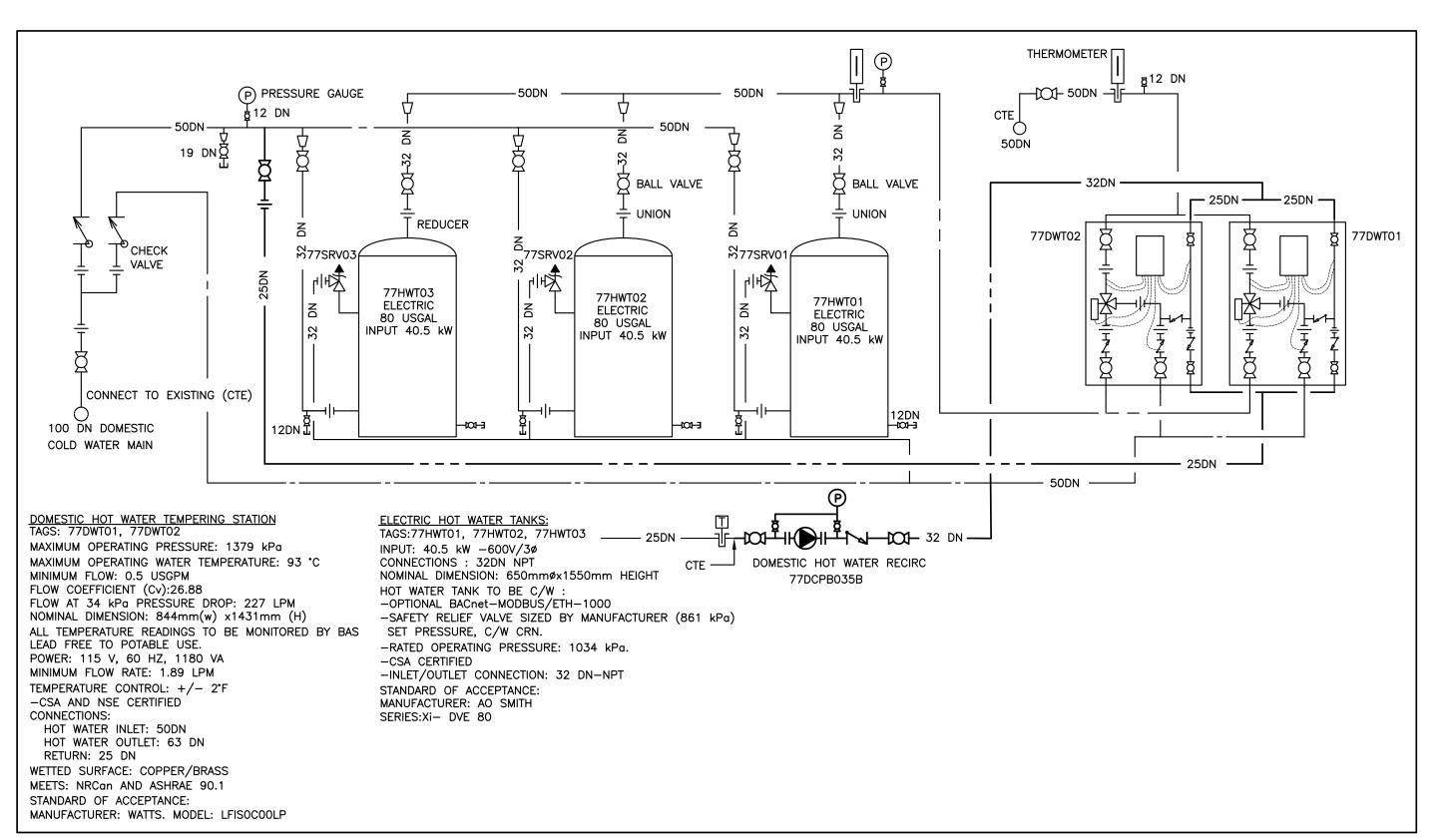
SUSSEX CAMPUS (S77)

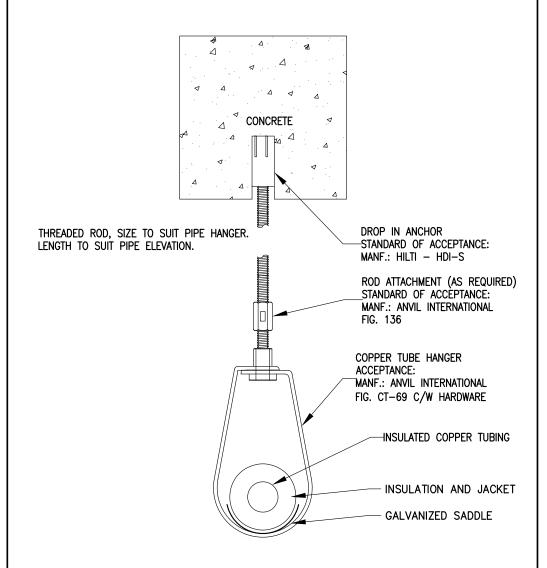
ELECTRICAL SINGLE LINE DIAGRAM AND LAYOUT

designed KXL	conçu	date date 10/2020
drawn KXL	dessiné	scale échelle NA
checked CYC	vérifié	sheet feuille E01 of/de E01
approved	approuvé	W.O.no. D.T.no.
ALS		A1-011224-14

5909-E01







PIPE SUPPORT : PS3 M02

PRESSURE GAUGE (P)

WORKING FLUID WATER MAXIMUM SYSTEM PRESSURE (kPa) 700 MAXIMUM SYSTEM TEMPERATURE (℃) 100 POINTER ANODIZED BLACK MINIMUM SYSTEM TEMPERATURE (℃) CONNECTION (NPT) 1/2 S.T CONNECTION TYPE BOURDON TUBE S.T ACCURACY (FULL SCALE) 1% CANADIAN REGISTRATION NUMBER NO CASE MATERIAL CONNECTION LOWER/S.T DIAL SIZE

100mm GLYCERIN FILLED NO STANDARD - ASME B40.100 INTERNALS MATERIAL GAUGE DUAL SCALES: PSIG (kPa) 0-100 (689) STANDARD OF ACCEPTANCE MANUFACTURERS WIKA, WEISS, WINTERS (PFP)

- ALL GAUGES C/W WHITE FACE WITH BLACK FIGURES, ALUMINUM POINTER, ISOLÁTION VALVE. - SUITABLE FOR POTABLE WATER SYSTEMS AND LEAD FREE.

Conseil national de recherches Canada Division des services administratifs et gestion de l'immobilier

CONTRACTOR TO PROVIDE THE FOLLOWING: REMOVE EXISTING TEMPERATURE SENSORS AND RELATED CONDUITS ON EXISTING HOT WATER

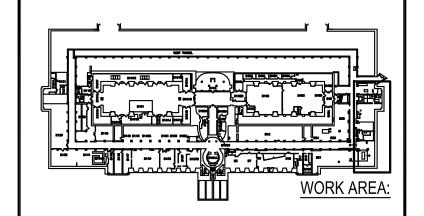
- 2. REMOVE EXISTING CONTROLS FOUR STEAM/WATER
- CONTROL VALVES.. CONNECT NEW HOT WATER TANKS TO EXISTING
- BAS AND UPDATED GRAPHICS. 4. CONNECT THE TWO NEW DOMESTIC HOT WATER TEMPERING MIXING VALVES STATION TO EXISTING

BAS AND UPDATE GRAPHIC SCREEN TO MONITOR

FOUR TEMPERATURE SENSOR AND ALARM STATUS. CONNECT EACH HOT WATER TANK TO BAS TO PROVIDE THE FOLLOWING ON BAS GRAPHIC SCREEN : ENABLE/DISABLE, TEMPERATURE SETPOINTS AND ALARM NOTIFICATIONS.

KEY PLAN

PLAN CLÉ



0	14 10 2020	ISSUED FOR TENDER	RGC			
No.	Date	Revision	By: Par:			

o Verify all dimensions and site conditions and be responsible

o Vérifier toutes les dimensions et l'etat des liéux et en assumer la responsabilité

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

dessin no.

Date imprimée

DOMESTIC HOT WATER SYSTEM CONVERSION TO ELECTRIC

SUSSEX CAMPUS (S77)

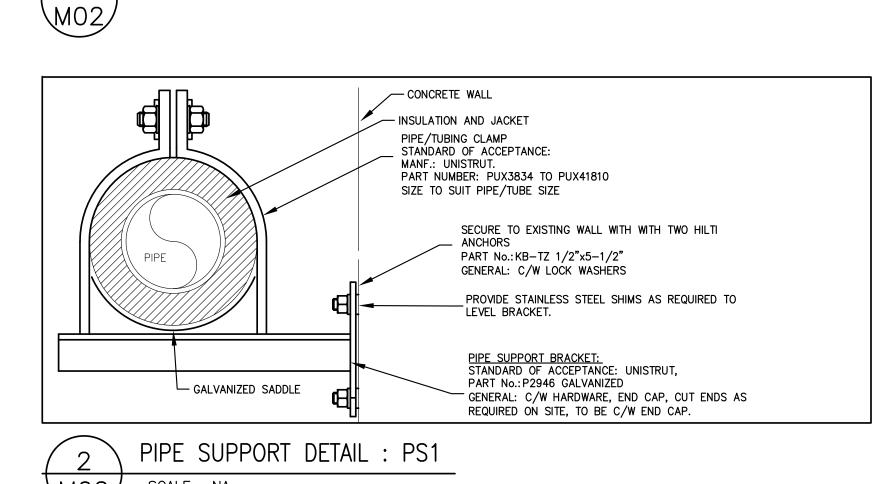
DETAILS AND SCHEDULED

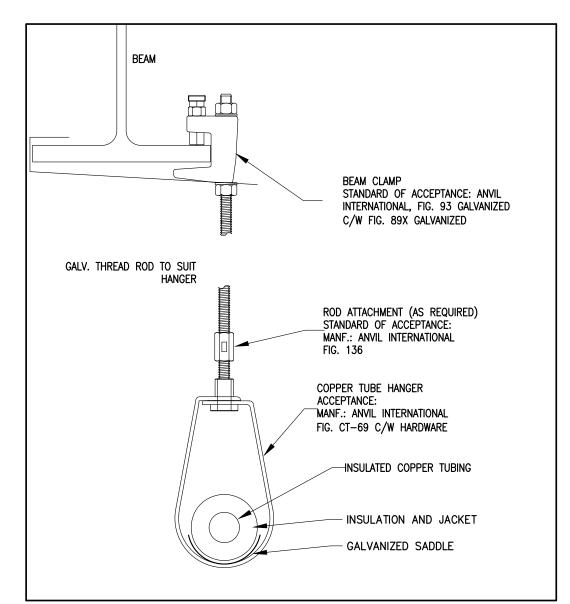
R.G.C/C.E 10/2020 NA R.G.C/C.E 2 of/de 2

A1-011224-14

5909-G02

NEW DOMESTIC HOT WATER PIPING SCHEMATIC





PIPE SUPPORT : PS2

ASPM A1 (841x594)