

PROCUREMENT SERVICES City of Surrey, Surrey City Hall 13450 – 104th Avenue Surrey, B.C., V3T 1V8 Tel: 604-590-7274

E-mail: purchasing@surrey.ca

ADDENDUM No. 2

INVITATION TO TENDER No.:	1220-020-2020-003
TITLE:	ENERGY TRANSFER STATIONS (ETS) AND INTERIOR PIPING CONSTRUCTION AT PCI
ADDENDUM ISSUE DATE:	APRIL 3, 2020
(REVISED) CLOSING TIME:	ON OR BEFORE THE FOLLOWING DATE AND TIME (THE "CLOSING TIME"):
	TIME: 11:00 a.m. (Local Time) DATE: April 15, 2020

INFORMATION FOR TENDERERS

Tenderers are advised that this Addendum No. 2 to *Contract* No. <u>1220-020-003</u> is hereby issued by the *Owner*. This addendum shall form part of the *Contract Documents* and is to be ready, interpreted and coordinated with all other parts. The following revisions supersede the information contained in the original *Contract Documents* and preceding addendums (if any). The cost of all *Work* herein shall be included in the Unit Prices tendered in the *Schedule of Quantities and Prices*.

As the situation around Novel Coronavirus (COVID-19) continues to evolve, this procurement document needs to be amended as follows:

1. REFER TO SECTION 1.0 OF PART B – INSTRUCTION TO TENDERERS DOCUMENT.

Delete the reference to hard copy delivery in its entirety. The City prefers to receive all submissions by email copy only.

General Information:

2. Revised Closing Time: Time: 11:00 a.m. (Local Time) Date: April 15, 2020

3. In Part C – FORM OF TENDER

Delete Appendix 1 – Schedule of Quantities and Prices as issued for tender in its entirety and substitute with the revised Appendix 1 – Schedule of Quantities as attached to this addendum:

Mechanical Interior Piping separated by size

4. In Part G – DRAWINGS

Delete the following Contract Drawings as issued for tender in their entirety and substitute with the revised Contract Drawings as attached to this addendum:

- M106
- M206
- M207
- M208
- M209
- M501

4. In Part E – SUPPLEMENTARY GENERAL

CONDITIONS GC 6.5 DELAYS

48. <u>New GC 6.5.11</u>:

Add the following:

"6.5.11 Notwithstanding GC 6.5.3, the parties acknowledge that the *Contract* has been entered into during the on-going COVID-19 pandemic (the "Pandemic"). The *Contractor* advises that it is able to proceed with the *Work* under the Pandemic conditions and restrictions (collectively the "Pandemic Restrictions") as they exist as of the date of this *Contract*. The parties acknowledge that Pandemic Conditions may change so as to cause unavoidable interruptions or interference to the *Contractor's* performance of the *Work*. The parties confirm:

(a) notwithstanding the known existence of the Pandemic, GC 6.5.11 will apply to new Pandemic Restrictions, which arise after the date of this *Contract*, whether anticipated or not, which reasonably interfere with the *Contractor's* performance of the *Work*, such that upon giving required notice the *Contractor* shall be entitled to an extension of the *Contract Time*, but shall not be entitled to reimbursement of any costs;

(b) notwithstanding any such new Pandemic Restrictions, the *Contract* will remain valid and in force, subject to the terms of the *Contract* including, without limitation, Part 9 PROTECTION OF PERSONS AND PROPERTY; and

(c) if new Pandemic Restrictions occur that cause or threaten *Work* interruptions the *Contractor* will, as required by GC 6.5.4 give the *Owner* immediate notice, and a written plan of the interim steps the *Contractor* will take, if any, during the *Work* interruption, and when Pandemic Restrictions permit, provide the *Owner* with a written plan for the resumption of the *Work*."

49. New GC 6.8:

"GC 6.8 CONTRACTOR TO MITIGATE

6.8.1 For clarity, in the event of any delay the Contractor shall take all reasonable measures to

minimize the effects and costs of the delay which are at the Contractors' sole cost and this obligation shall be taken into account in the determination of the *Contractor's* entitlement to an extension of the *Contract Time*."

- END OF ADDENDUM -

All Addenda will become part of the ITT Documents.

APPENDIX 1 – SCHEDULE OF QUANTITIES AND PRICES

For the purposes of comparison of *Tenders* and for subsequent payment, each *Tenderer* should breakdown its total *Tender Price* into the following lump sum items. We certify that the following is an accurate and balanced breakdown of our *Tender Price(s)*. *Work* required, but not specifically mentioned, is included in the item with which it is most closely associated with. Refer to *Drawings* and *Specifications* for a description of the *Work* to be involved in each item.

All prices and quotations including the *Tender Prices* shall include all taxes, but should not include GST. GST should be shown separately.

Reference No.: 1220-020-2020-003

ltem No.	Description	Unit	Est. Qty.	Unit Price	AMOUNT
1.	GENERAL				
1.1	Bonding and Insurance	L.S.	-		
1.2	Mobilization/Demobilization	L.S.	-		
1.3	Shop Drawings	L.S.	-		
1.4	O&M Manual and As-Builts	L.S.	-		
	Subtotal Items 1.1 to 1.4				
2.	Mechanical (Mechanical Room Only)				
2.1	BIM	L.S.	-		
2.2	Heat Exchangers	L.S.	-		
2.3	Piping & Supports	L.S.	-		
2.4	Insulation	L.S.	-		
	Subtotal Items 2.1 to 2.4				
3.	Mechanical (Interior 6" Piping to Mechanical Room)				
3.1	Piping & Supports	L.S.	-		
3.2	Insulation	L.S.	-		
	Subtotal Items 3.1 to 3.2				

Schedule of Quantities and Prices – Summary Sheet

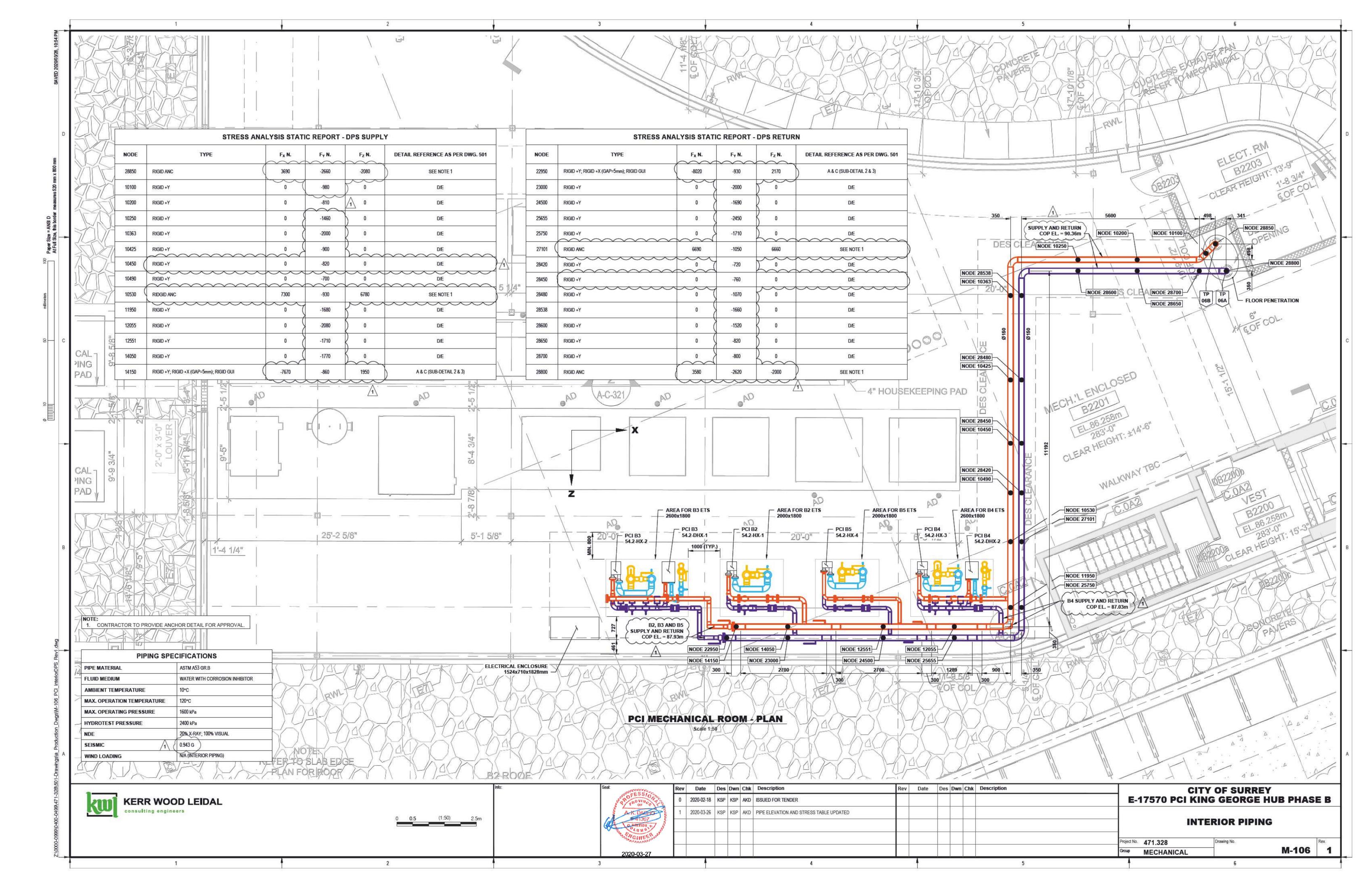
4.	Mechanical (Interior Piping to 6" <u>Connections)</u>			
4.1	Piping & Supports	L.S.		
4.2	Insulation	LS.		
	Subtotal Items 4.1 to 4.2			
5.	Electrical			
5.1	Electrical & Controls	L.S.	-	
5.2	Commissioning	L.S.	-	
	Subtotal Items 5.1 to 5.2			

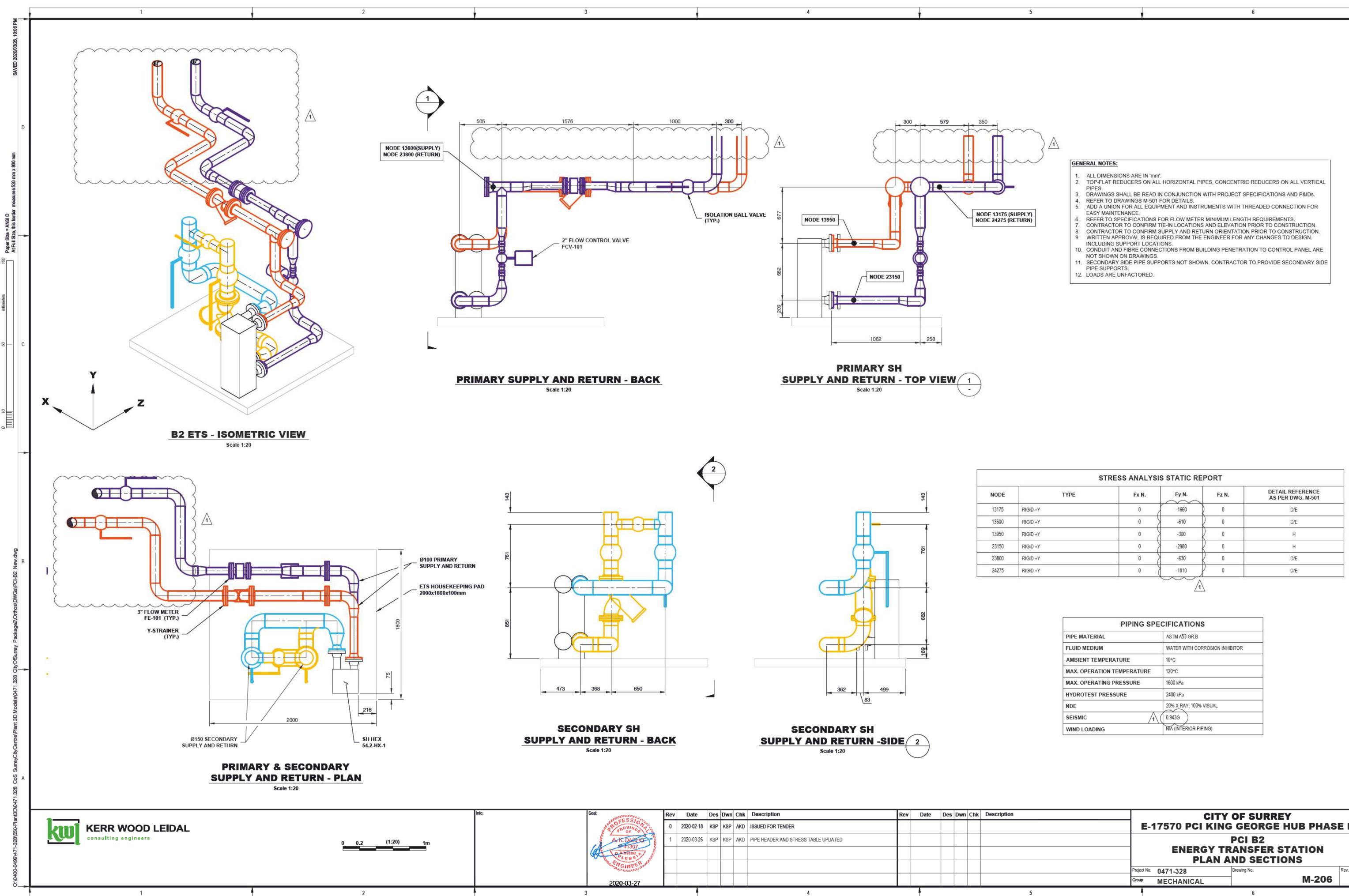
OTHERS NOT LISTED ABOVE (SPECIFY):

			\$

Subtotals Summary Sheet									
Section	Amount								
1. General	1.1 to 1.4	\$							
2. Mechanical (Mechanical Room Only)	2.1 to 2.4	\$							
3. Mechanical (Interior 6" Piping to Mechanical Room)	3.1 to 3.2	\$							
4. Mechanical (Interior Piping to 6" Connections)	4.1 to 4.2	\$							
5. Electrical	5.1 to 5.2	\$							
Subtota									
TENDER PRIC	E, including GST:								

Schedule of Quantities and Prices – Summary Sheet

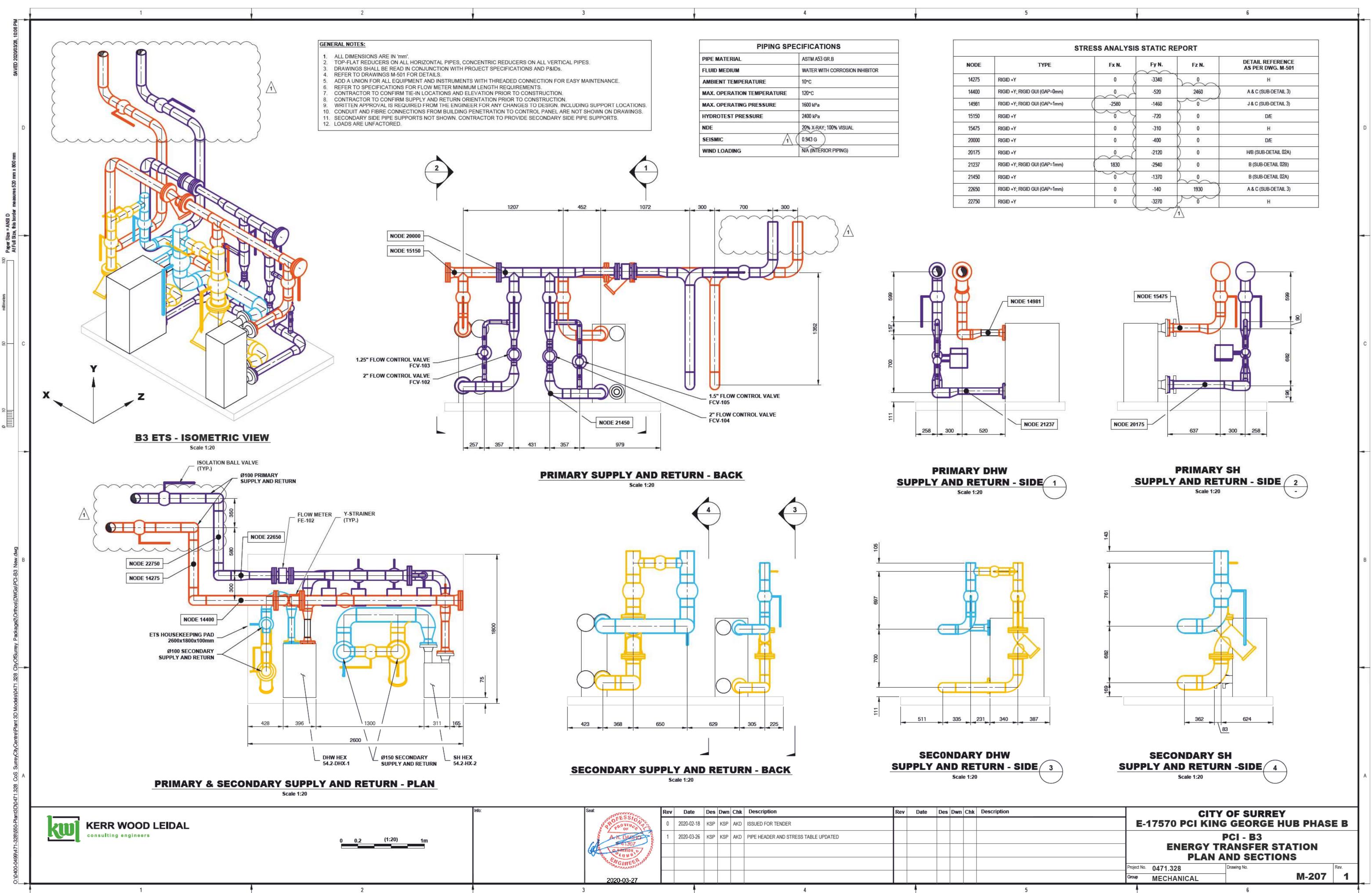




Seal:	Rev	Date	Des)wn Ch	k Description	Rev	Date	Des	Dwr	n Chk	Description		CIT	Y OF SURRE	Y	
A GROVINCE TES	0	2020-02-18	KSP	KSP AK	D ISSUED FOR TENDER								E-17570 PCI KI			ΕВ
AKDACHO	1	2020-03-26	KSP	KSP AK	PIPE HEADER AND STRESS TABLE UPDATED									PCI B2		
Casterney P																
ENGINEER												Durin		AND SECTION	JNS	Den
· · · · · · · · · · · · · · · · · · ·										+		Proje	ect No. 0471-328	Drawing No.	M-206	Rev.
2020-03-27												Grou	MECHANICAL		IVI-200	
<u>2020-03-27</u> 3		4		ļ	4		4				5	Giù		6	W-200	

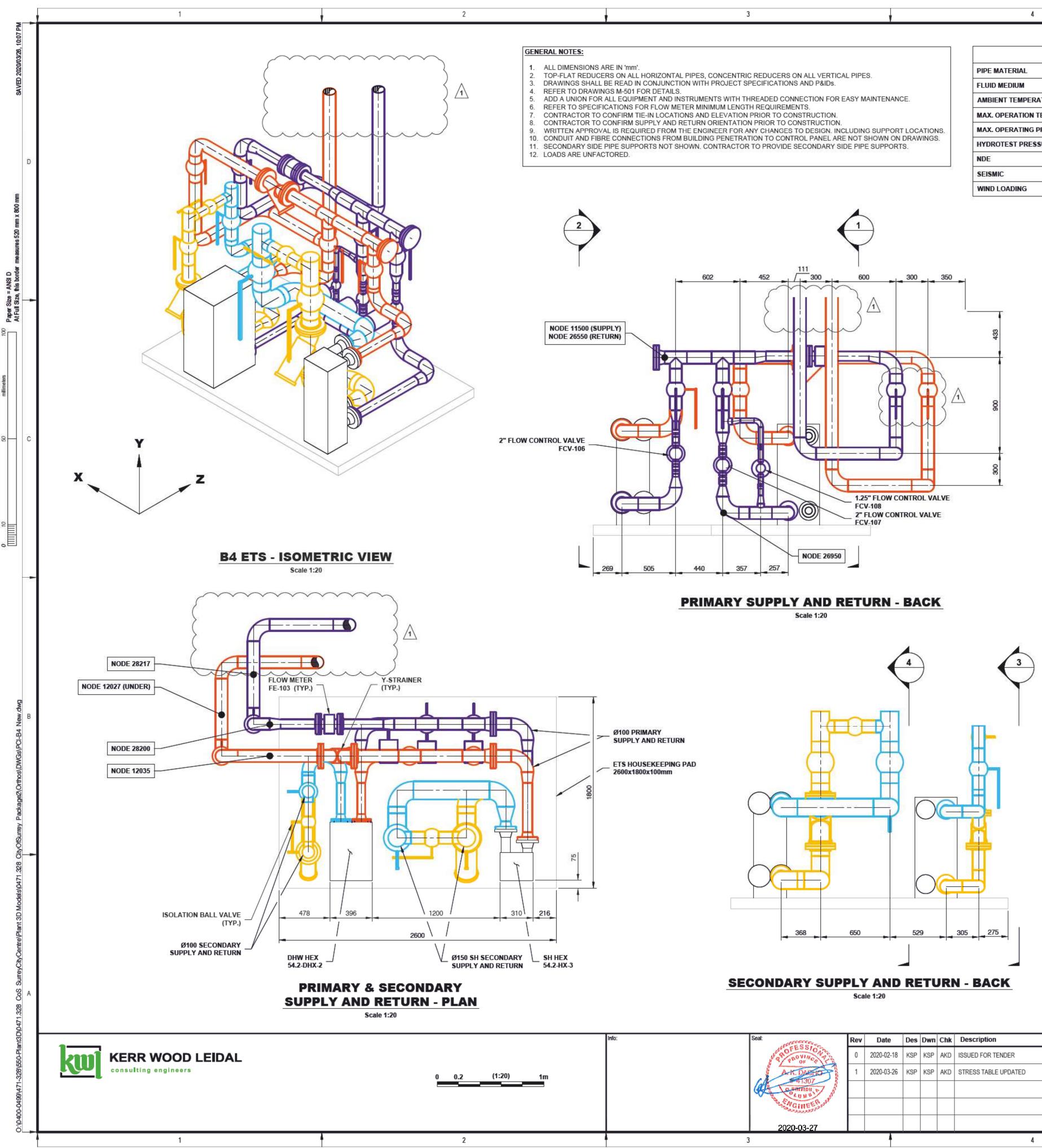
ТҮРЕ	Fx N.	Fy N.	Fz N.	DETAIL REFERE AS PER DWG. N				
BID +Y	0 /	-1660	0	D/E				
BID +Y	0	-610	0	D/E				
GID +Y	0	-300) 0	н				
GID +Y	0	-2980	0	Н				

PIPING SPECIFICATIONS						
PIPE MATERIAL	ASTM A53 GR.B					
FLUID MEDIUM	WATER WITH CORROSION INHIBITOR					
AMBIENT TEMPERATURE	10°C					
MAX. OPERATION TEMPERATURE	120°C					
MAX. OPERATING PRESSURE	1600 kPa					
HYDROTEST PRESSURE	2400 kPa					
NDE	20% X-RAY; 100% VISUAL					
SEISMIC /1	(0.943G)					
WIND LOADING	N/A (INTERIOR PIPING)					



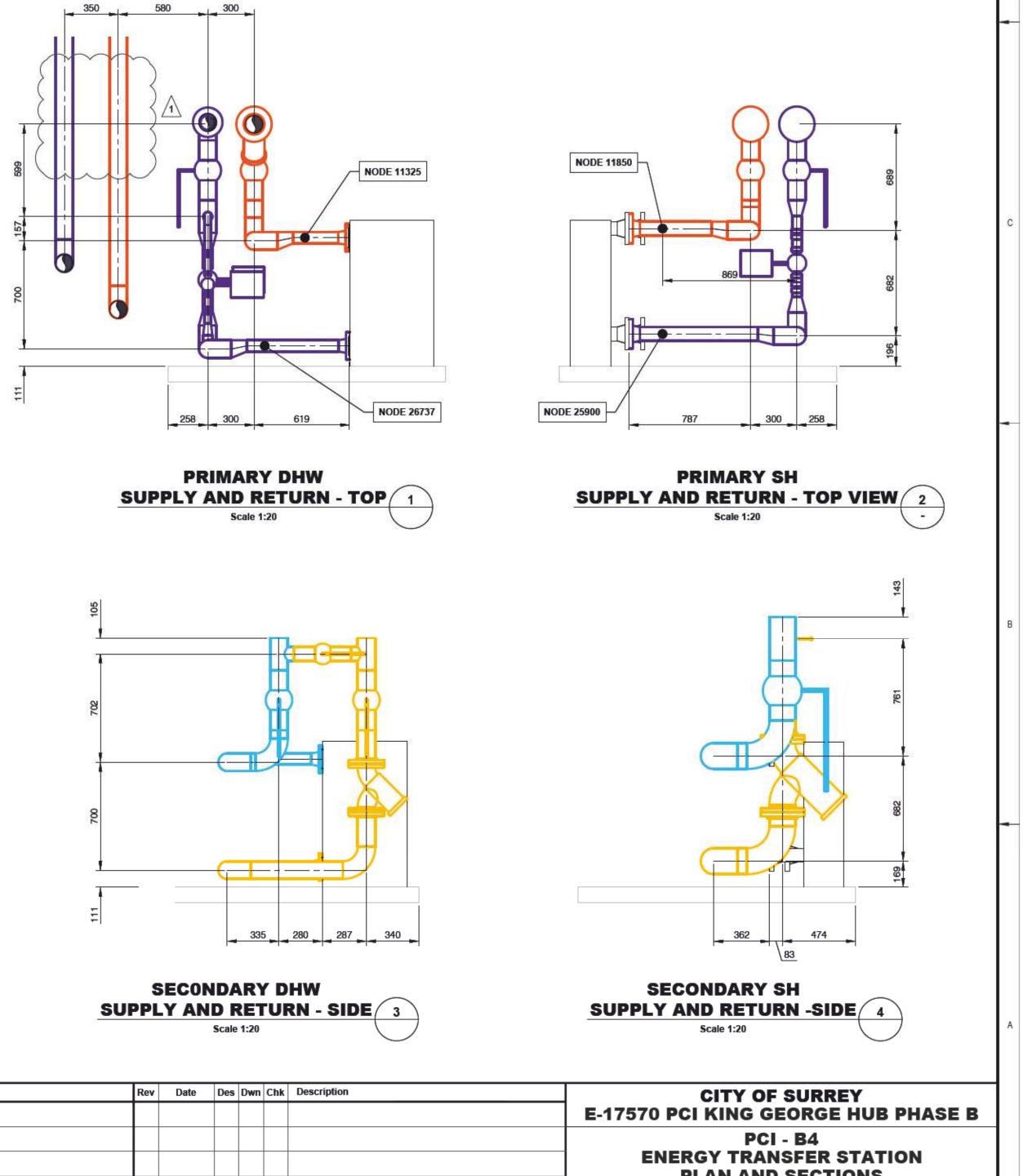
5	*	6	

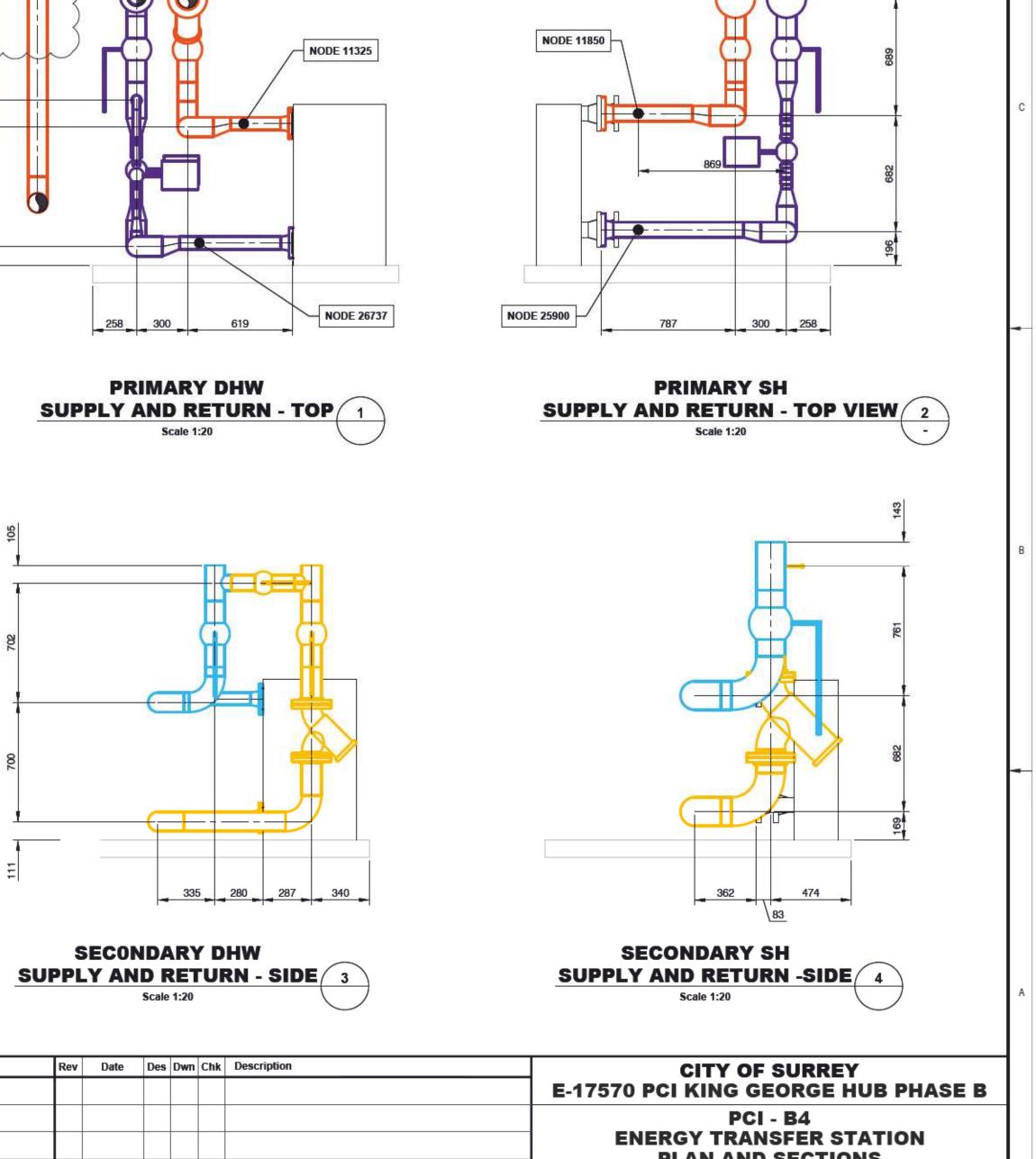
ТҮРЕ	Fx N.	Fy N.	Fz N.	DETAIL REFERENCE AS PER DWG. M-501
)+Y	0 (-3340	0	Н
) +Y; RIGID GUI (GAP=0mm)	0	-520	2460	A & C (SUB-DETAIL 3)
D +Y; RIGID GUI (GAP=1mm)	-2580	-1460		J & C (SUB-DETAIL 3)
D+Y	The second secon	-720	5 0	D/E
D+Y	0	-310) 0	Н
D+Y	0	-400	0	D/E
D+Y	0	-2120	0	H/B (SUB-DETAIL 02A)
D +Y; RIGID GUI (GAP=1mm)	1830	-2940) 0	B (SUB-DETAIL 02B)
D+Y	0 (-1370	0	B (SUB-DETAIL 02A)
D +Y; RIGID GUI (GAP=1mm)	0 (-140	1930	A & C (SUB-DETAIL 3)
D+Y	0 (-3270		Н



PIPING SPECIFICATIONS ASTM A53 GR.B WATER WITH CORROSION INHIBITOR AMBIENT TEMPERATURE 10°C MAX. OPERATION TEMPERATURE 120°C 1600 kPa MAX. OPERATING PRESSURE HYDROTEST PRESSURE 2400 kPa 20% X-RAY; 100% VISUAL (0.943 G) N/A (INTERIOR PIPING)

NODE
11325
11500
11850
12027
12035
25900
26550
26737
26950
28200
28217



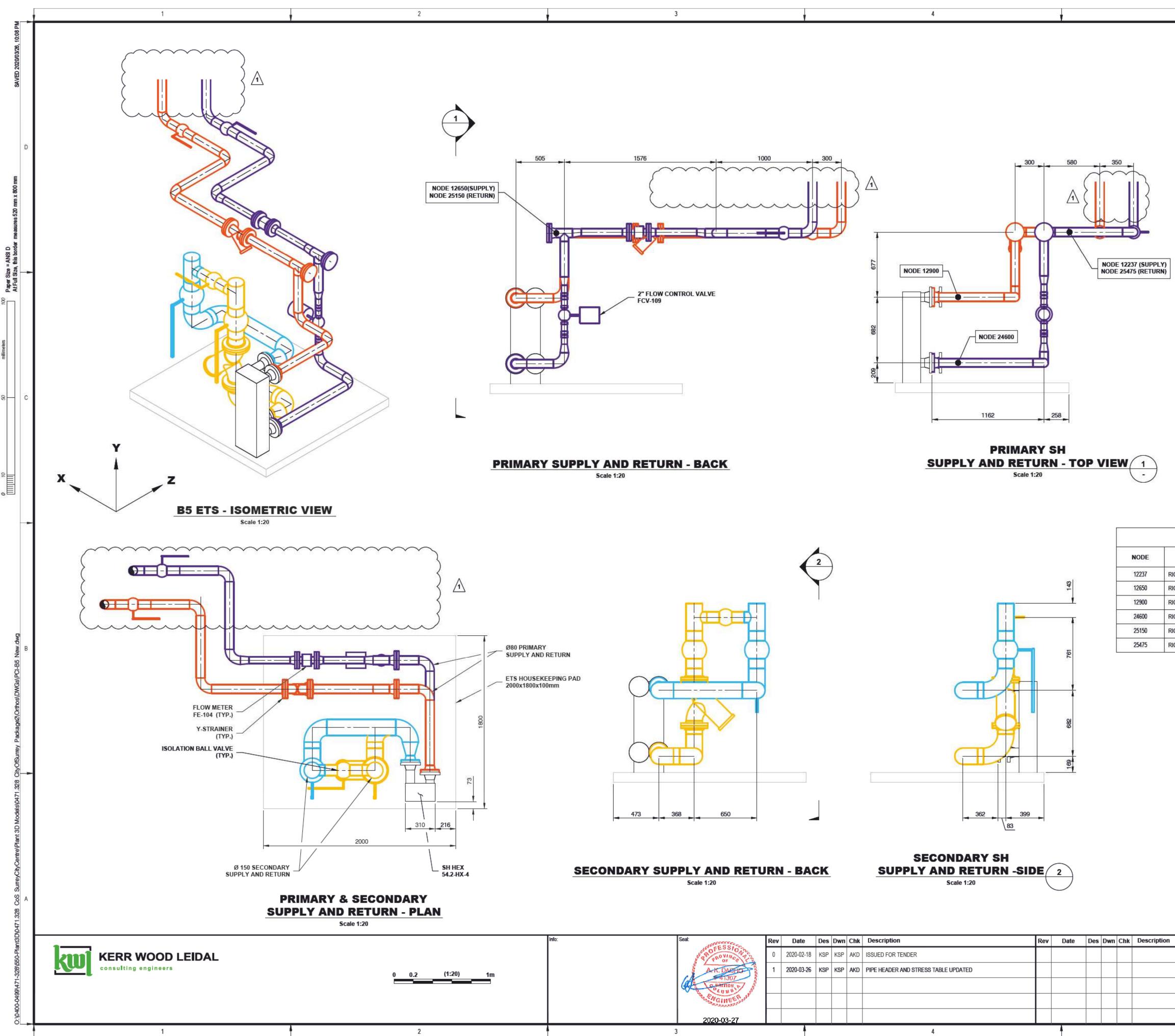


4

5		6							
STRESS ANALYSIS STATIC REPORT									
ТҮРЕ	Fx N.	Fy N.	Fz N.	DETAIL REFERENCE AS PER DWG. M-501					

		$\sim \sim \sim$		AS FER DWG. III-501
RIGID +Y; RIGID GUI (GAP=0mm)	-1830	-600	0	J & C (SUB-DETAIL 3)
RIGID +Y; RIGID GUI (GAP=0mm)	D O Y	-890	1500	A & C (SUB-DETAIL 3)
RIGID +Y	0	-130	$\sum_{i=1}^{n}$	н
RIGID +Y; RIGID GUI (GAP=0mm)	2740	-3700	0	J & C (SUB-DETAIL 3)
RIGID +Y	0	-780	< 0	D/E
RIGID +Y	0	-2980	2 °	н
RIGID +Y; RIGID GUI (GAP=0mm)	0	-370	1280	A & C (SUB-DETAIL 3)
RIGID +Y; RIGID GUI (GAP=0mm); RIGID +Z (GAP=0MM)	-1370	-2020	-2640	J & C (SUB-DETAIL 2 & 3)
RIGID +Y	no d	-2060	2 m	B (SUB-DETAIL 02A)
RIGID +Y	0	-380	0	D/E
RIGID +Y; RIGID GUI (GAP=0mm)	2980	-3520	0	J & C (SUB-DETAIL 3)

	ENERGY TI PLAN A		PCI - B4 ANSFER ST ND SECTIO			
	Project No.	0471.328	Drawing No.		Rev.	
	Group	MECHANICAL		M-208		
5	4		6			



			,																
info:	Seal	Rev	Date	Des Dw	n Chk	Description	Rev	Date	Des	5 Dwr	n Chk	Description			CITY	OF SURREY			
	A SHOPLOSTONIC	0	2020-02-18	KSP KS	AKD	ISSUED FOR TENDER								E-	17570 PCI KING		JB PHASE	В	
	Ark Daefio	1	2020-03-26	KSP KS	AKD	PIPE HEADER AND STRESS TABLE UPDATED										CI - B5			
	Cuartise of															ANSFER STA			
	S ENGINEER SAT														FLAN A	ND SECTION	3		
	"Treecece"												Pr	oject No.	0471.328	Drawing No.		Rev.	
	2020-03-27		ļ										G	oup	MECHANICAL		M-209	1	
	3		4			4		4				5		4		6			1

GENERAL NOTES:

5

ALL DIMENSIONS ARE IN 'mm'.
 TOP-FLAT REDUCERS ON ALL HORIZONTAL PIPES, CONCENTRIC REDUCERS ON ALL VERTICAL PIPES.
 DRAWINGS SHALL BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND P&IDS.
 REFER TO DRAWINGS M-501 FOR DETAILS.

6

- 5. ADD A UNION FOR ALL EQUIPMENT AND INSTRUMENTS WITH THREADED CONNECTION FOR EASY MAINTENANCE.
- REFER TO SPECIFICATIONS FOR FLOW METER MINIMUM LENGTH REQUIREMENTS.
 CONTRACTOR TO CONFIRM TIE-IN LOCATIONS AND ELEVATION PRIOR TO CONSTRUCTION.
- CONTRACTOR TO CONFIRM SUPPLY AND RETURN ORIENTATION PRIOR TO CONSTRUCTION.
- WRITTEN APPROVAL IS REQUIRED FROM THE ENGINEER FOR ANY CHANGES TO DESIGN. INCLUDING 9 SUPPORT LOCATIONS. 10. CONDUIT AND FIBRE CONNECTIONS FROM BUILDING PENETRATION TO CONTROL PANEL ARE NOT
- SHOWN ON DRAWINGS. 11. SECONDARY SIDE PIPE SUPPORTS NOT SHOWN. CONTRACTOR TO PROVIDE SECONDARY SIDE PIPE. SUPPORTS.
- 12. LOADS ARE UNFACTORED.

STRESS ANALYSIS STATIC REPORT

ТҮРЕ	Fx N.	Fy N.	Fz N.	DETAIL REFERENCE AS PER DWG. M-501
RIGID +Y	0 (-1290) 0	D/E
RIGID +Y	0 (-510 <	0	D/E
RIGID +Y	0	-300 k	0	н
RIGID +Y	0	-2860	0	н
RIGID +Y	0	-540) 0	D/E
RIGID +Y	0 (-1090) 0	D/E

2
1.1

PIPING SPECIFICATIONS						
PIPE MATERIAL	ASTM A53 GR.B					
FLUID MEDIUM	WATER WITH CORROSION INHIBITOR					
AMBIENT TEMPERATURE	10°C					
MAX. OPERATION TEMPERATURE	120°C					
MAX. OPERATING PRESSURE	1600 kPa					
HYDROTEST PRESSURE	2400 kPa					
NDE	20% X-RAY; 100% VISUAL					
SEISMIC /1	(0.943 G					
WIND LOADING	N/A (INTERIOR PIPING)					

