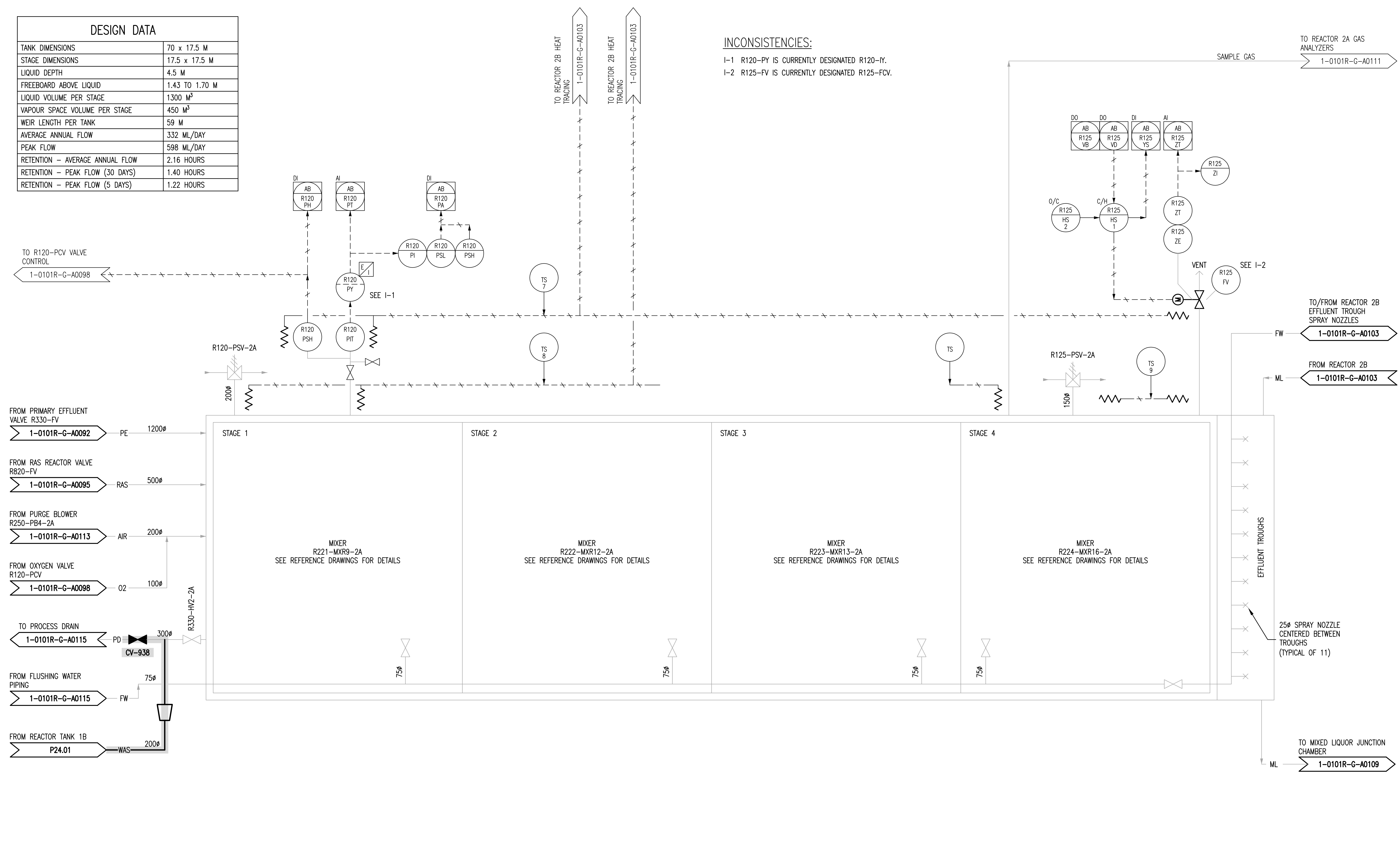
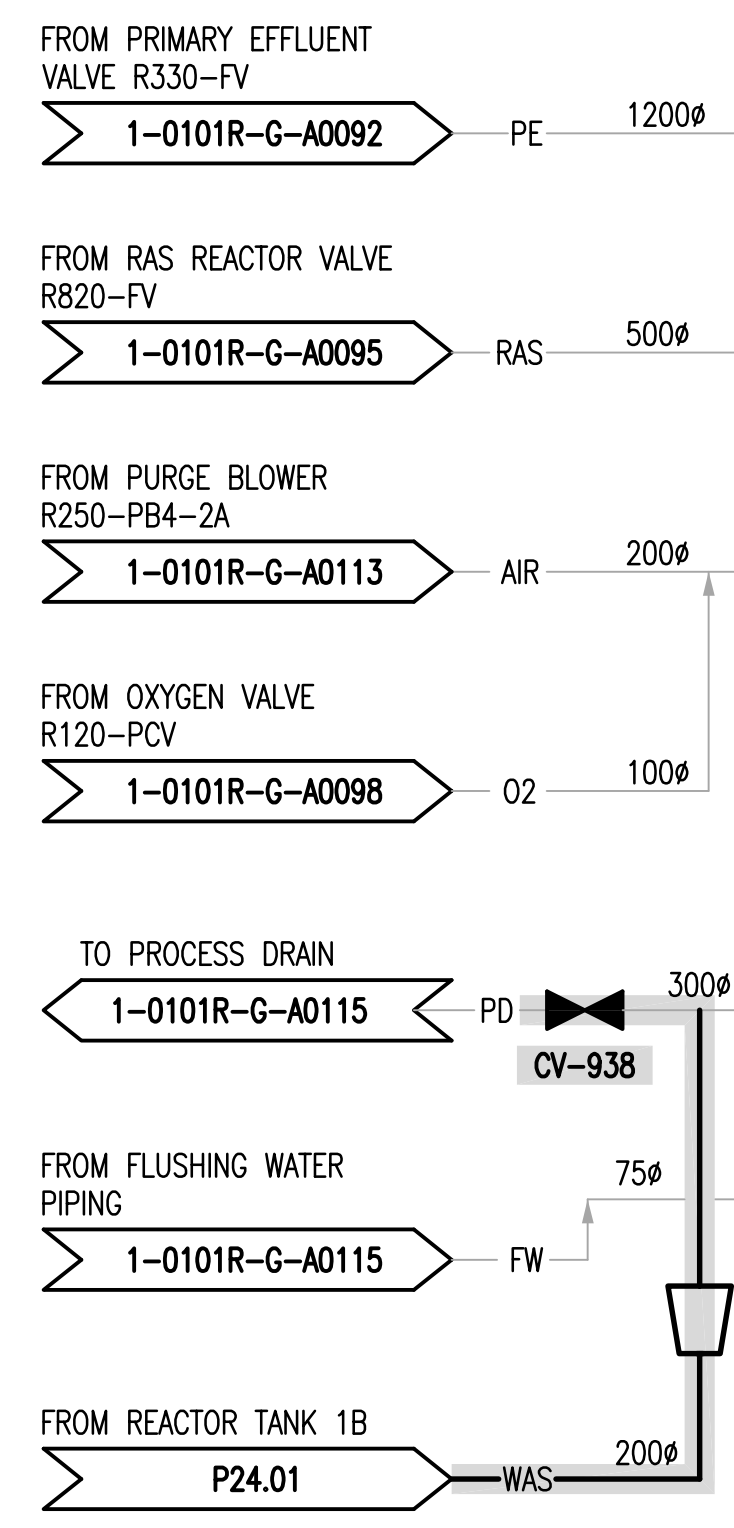


DESIGN DATA	
TANK DIMENSIONS	70 x 17.5 M
STAGE DIMENSIONS	17.5 x 17.5 M
LIQUID DEPTH	4.5 M
FREEBOARD ABOVE LIQUID	1.43 TO 1.70 M
LIQUID VOLUME PER STAGE	1300 M ³
VAPOUR SPACE VOLUME PER STAGE	450 M ³
WEIR LENGTH PER TANK	59 M
AVERAGE ANNUAL FLOW	332 ML/DAY
PEAK FLOW	598 ML/DAY
RETENTION - AVERAGE ANNUAL FLOW	2.16 HOURS
RETENTION - PEAK FLOW (30 DAYS)	1.40 HOURS
RETENTION - PEAK FLOW (5 DAYS)	1.22 HOURS



INCONSISTENCIES:
 I-1 R120-PY IS CURRENTLY DESIGNATED R120-IY.
 I-2 R125-FV IS CURRENTLY DESIGNATED R125-FCV.



THIS DRAWING IS BASED ON CITY OF WINNIPEG DRAWING NUMBER 1-0101R-G-A0102-001-02D

■ = DENOTES NEW EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.

 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV.	 A Tyco International Ltd. Company	ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		
			DESIGNED BY: LW		CHECKED BY: SB	ORIGINAL SIGNED BY: J.E. HUTCHISON
			DRAWN BY: GLG		APPROVED BY: JEH	2006/05/15
			SCALE: NONE		RELEASED FOR CONSTRUCTION BY: K. MARTENS	CONSULTANT DRAWING NO. P25.01
	00 ISSUED FOR TENDER 06/05/15 GLG			NEWPCC CENTRATE NUTRIENT TREATMENT NITROGEN REMOVAL FACILITY		
	NO. REVISIONS DATE BY	DATE 2006/03/08	DATE 2006/05/15	CITY FILE NUMBER		
				SHEET OF		
				CITY DRAWING NUMBER		
				PROCESS OXYGEN REACTORS (REACTOR TANK 2A) PROCESS & INSTRUMENTATION DIAGRAM		