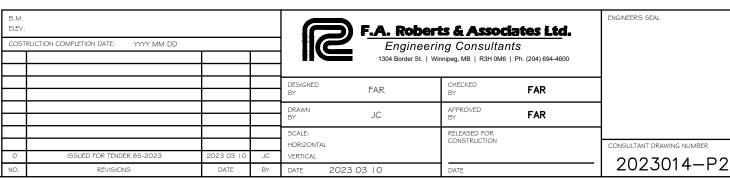


DES	IGN AND ITP
DESIGN TEMPERATURE	-30 to +130°C
OPERATING PRESSURE	8 PSIG
OPERATING TEMPERATURE	80°C
SPECIFIC GRAVITY - FLOODED	1.1
FLUIDS	AIR
CORROSION ALLOWANCE	0.0
HEAT TREATMENT	NONE
INSPECT	ION AND TESTING
LIQUID PENETRANT TESTING	100% ALL SHOP AND FIELD WELDS
	TOTAL TRANSPORT

	EQUIPMENT SCHEDULE - HIGH VELOCITY AIR		
	*	DESCRIPTION	MATERIAL SPECIFICATION
Α	12" EXPANSION JOINT FOR 40,000 CYCLES	FLANGED EXPANSION JOINT AXIAL TRAVEL 0.5" LATERAL TRAVEL 1.5"	EPDM BELLOWS
	FLANGES	CLASS 150 ANSI B16.5 BOLT PATTERN	A240 / A182 GR 316L

AERATION PIPING LOOP B

- 1. TEMPORARILY SUPPORT THE DROP LEG, DISCONNECT AT THE EXISTING FLANGED CONNECTION AS REQUIRED.
 2. NOTE: INSPECTION OF PVC PIPING, FITTINGS AND NOZZLES, REPAIRING
- OR REPLACING COMPONENTS, WILL BE PERFORMED CONCURRENT TO THIS CONTRACT BY CITY OF WINNIPEG STAFF.
- 3. INSTALL NEW FIXED WALL SUPPORT ADJACENT TO THE CONNECTION TO THE PVC DISTRIBUTION PIPING AND WELD THE SADDLE TO THE PIPE.
- 4. ALIGN LOOP 'B' PIPING TO ACHIEVE A 1% DOWNWARD SLOPE FROM THE VERTICAL DROP LEG TO THE CONNECTION TO THE PVC PIPING.
- SEQUENTIALLY REMOVE EXISTING SUPPORTS AND INSTALL SLIDING WALL SUPPORTS TO MAINTAIN THE PIPING IN THE REQUIRED SLOPE.
- 6. POSITION THE SLIDING SHOES ON THE WALL BACKETS BASED ON A $20^{\circ}\mathrm{C}$
- NEUTRAL POSITION AND WELD THE SADDLES TO THE PIPE.
- 7. INSTALL THE VERTICAL PORTION OF THE PIPING WITH A NEW EXPANSION FITTING AT EXISTING FLANGED CONNECTION. TRIM VERTICAL PIPE AS REQUIRED AT EXISTING ROBAR CLAMP COUPLING.
- 8. COMPLETE REWORK OF THE DROP LEG TO BLOWER HEADER
- CONNECTION AS DESCRIBED ON DRAWING 2022187- P4.
 9. INSTALL DROP LEG WITH VERTICAL SLIDING SUPPORT, CONNECTING TO
- THE EXPANSION FITTING WITH EXISTING ANSI B16.5 FLANGES.TRIM AS REQUIRED
- 10. ANCHORS TO BE 5/8" DIAMETER, 316 STAINLESS STEEL ALLOY RODS, 5" MINIMUM EMBEDMENT SET WITH SCREENS USING HILTI HY200 R EPOXY OR



Winnipeg

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2023 NEWPCC SBR UPGRADES SBR TANK No.1 PIPING BY CIPP LINING AERATION LOOP B

CITY DRAWING NUMBER 85-2023 DRAWING 2023014 P2-R0

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