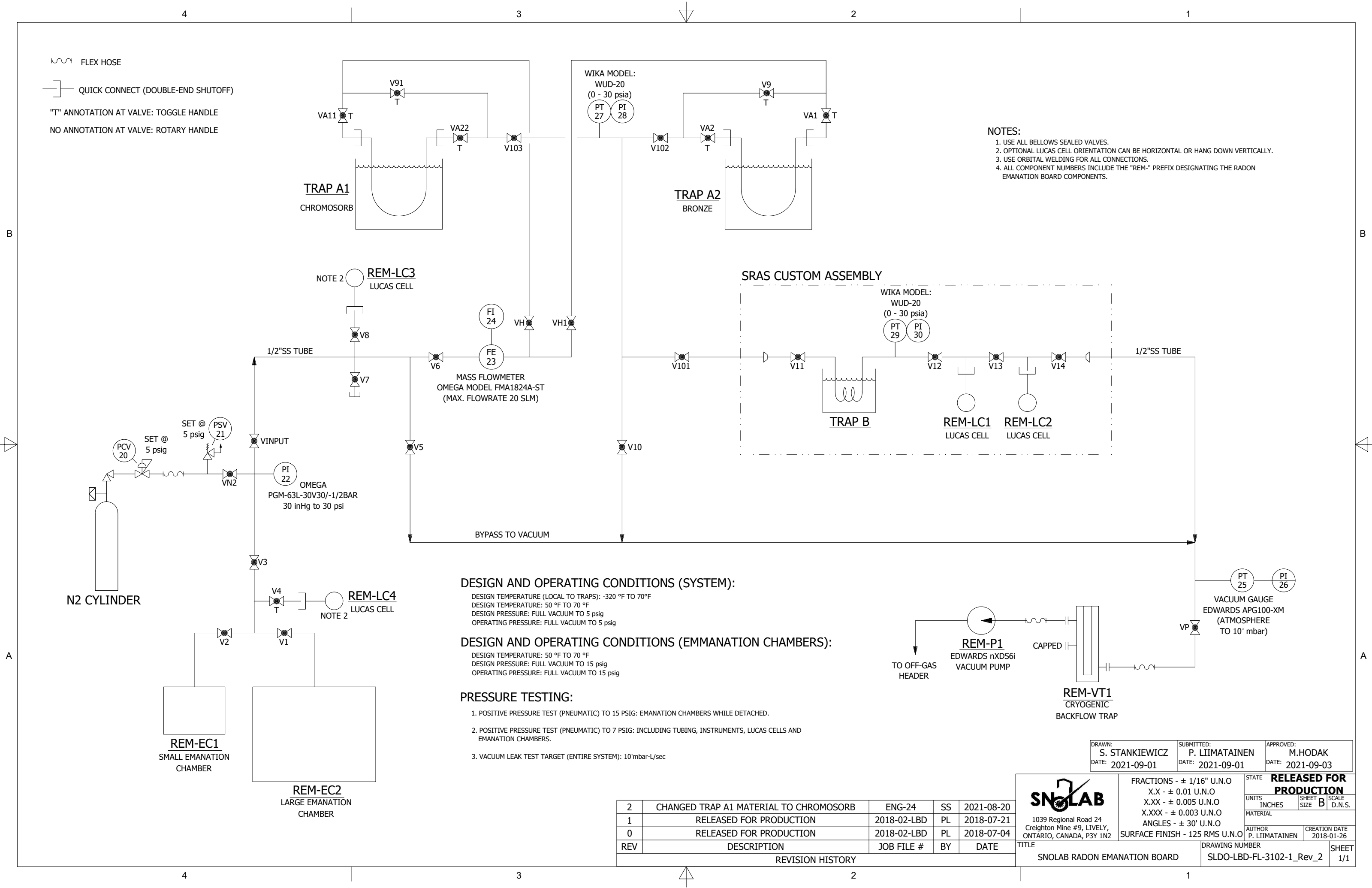




FLEX HOSE

QUICK CONNECT (DOUBLE-END SHUTOFF)

"T" ANNOTATION AT VALVE: TOGGLE HANDLE

NO ANNOTATION AT VALVE: ROTARY HANDLE

TRAP A1
CHROMOSORB

TRAP A2
BRONZE

SRAS CUSTOM ASSEMBLY

TRAP B

REM-LC1
LUCAS CELL

REM-LC2
LUCAS CELL

REM-EC1
SMALL EMANATION
CHAMBER

REM-EC2
LARGE EMANATION
CHAMBER

DESIGN AND OPERATING CONDITIONS (SYSTEM):

DESIGN TEMPERATURE (LOCAL TO TRAPS): -320 °F TO 70°F
DESIGN TEMPERATURE: 50 °F TO 70 °F
DESIGN PRESSURE: FULL VACUUM TO 5 psig
OPERATING PRESSURE: FULL VACUUM TO 5 psig

DESIGN AND OPERATING CONDITIONS (EMMANATION CHAMBERS):

DESIGN TEMPERATURE: 50 °F TO 70 °F
DESIGN PRESSURE: FULL VACUUM TO 15 psig
OPERATING PRESSURE: FULL VACUUM TO 15 psig

PRESSURE TESTING:

- POSITIVE PRESSURE TEST (PNEUMATIC) TO 15 PSIG: EMANATION CHAMBERS WHILE DETACHED.
- POSITIVE PRESSURE TEST (PNEUMATIC) TO 7 PSIG: INCLUDING TUBING, INSTRUMENTS, LUCAS CELLS AND EMANATION CHAMBERS.
- VACUUM LEAK TEST TARGET (ENTIRE SYSTEM): 10'mbar-L/sec

NOTES:

- USE ALL BELLOWS SEALED VALVES.
- OPTIONAL LUCAS CELL ORIENTATION CAN BE HORIZONTAL OR HANG DOWN VERTICALLY.
- USE ORBITAL WELDING FOR ALL CONNECTIONS.
- ALL COMPONENT NUMBERS INCLUDE THE "REM-" PREFIX DESIGNATING THE RADON EMANATION BOARD COMPONENTS.

2	CHANGED TRAP A1 MATERIAL TO CHROMOSORB	ENG-24	SS	2021-08-20
1	RELEASED FOR PRODUCTION	2018-02-LBD	PL	2018-07-21
0	RELEASED FOR PRODUCTION	2018-02-LBD	PL	2018-07-04
REV	DESCRIPTION	JOB FILE #	BY	DATE
REVISION HISTORY				

 1039 Regional Road 24 Creighton Mine #9, LIVELY, ONTARIO, CANADA, P3Y 1N2	FRACTIONS - ± 1/16" U.N.O X.X - ± 0.01 U.N.O X.XX - ± 0.005 U.N.O X.XXX - ± 0.003 U.N.O ANGLES - ± 30' U.N.O SURFACE FINISH - 125 RMS U.N.O		STATE RELEASED FOR PRODUCTION	
	UNITS INCHES	SHEET SIZE B	SCALE D.N.S.	
	MATERIAL		AUTHOR P. LIIMATAINEN	
	TITLE SNOLAB RADON EMANATION BOARD		CREATION DATE 2018-01-26	
			DRAWING NUMBER SLDO-LBD-FL-3102-1_Rev_2	
		SHEET 1/1		