A1	PLUMBING AND PROCESS PIPING PART PLAN
1/4" = 1'-0"	

F7	DETAIL ~ RO WATER PIPING SCHEMATIC
NOT TO SCALE	

D7	EXISTING PIPE RISER PHOTO
NOT TO SCALE	

PIPING KEYED NOTES:

1. ROS & R:
   PROVIDE ROS & RETURN PIPING AS PER DETAIL F7 - SHEET PL-100.
   a. PROVIDE 3/4" ROS BRANCH DROP DOWN IN CHASE/WALL TO PURE WATER FAUCET AT P-15 SINK
   b. LOOP THE 3/4" ROS PIPE BACK UP CHASE, CONTINUE THE ROS MAIN PER DETAIL.

2. NATURAL GAS (NG) & COMPRESSED AIR (CA):
   PROVIDE A 1/2" NG & CA DROP DOWN IN CHASE/WALL. ROUTE 1/2" NG & CA UNDER COUNTER TO EACH TURRET ON BENCH.

3. PROTECTED CW / NON-POTABLE WATER (PCW):
   PROVIDE A 1/2" PCW DROP DOWN IN CHASE
   a. ROUTE 1/2" PCW TO TWO FH-1 CUP SINK FAUCETS (SEE FUME HOOD KEYNOTE BELOW)
   b. ROUTE 1/2" PCW TO P-1 FAUCET
   c. ROUTE 1/2" PCW TO ADJACENT FLOOR DRAIN TRAP PRIMER (CORE HOLE IN FLOOR)

4. VACUUM (VAC):
   PROVIDE A 3/4" VAC DROP DOWN IN CHASE/WALL, ROUTE 1/2" VAC UNDER COUNTER TO EACH VAC TURRET ON BENCH.

5. PROVIDE 1" TW DROP TO ES-1 EMERGENCY SHOWER STATION. PROVIDE 1/2" PCW DROP TO FLOOR DRAIN TRAP PRIMER.

6. (E) VALVED/CAPPED PIPES AT 9'-0" AFF (+/-) - BOTTOM OF RO DRAIN AT 7'-0" AFF.

7. PROVIDE ½" CW DOWN IN WALL TO AUTOCLAVE. ROUTE 1" DRAIN TO FLOOR DRAIN LEAVING AN AIR GAP AS REQUIRED BY CODE.

Scale: 1/4" = 1'-0"

PLAN NORTH

A8	PLUMBING KEYED NOTES
NTS	

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REVISIONS

NUMBER	DATE	BY	DESCRIPTION

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PLUMBING AND PROCESS PIPING

UNIVERSITY OF SOUTHERN MAINE BIO-SCIENCE
~ 3rd FLOOR LAB FIT-UP
PORTLAND, MAINE

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PL-100

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