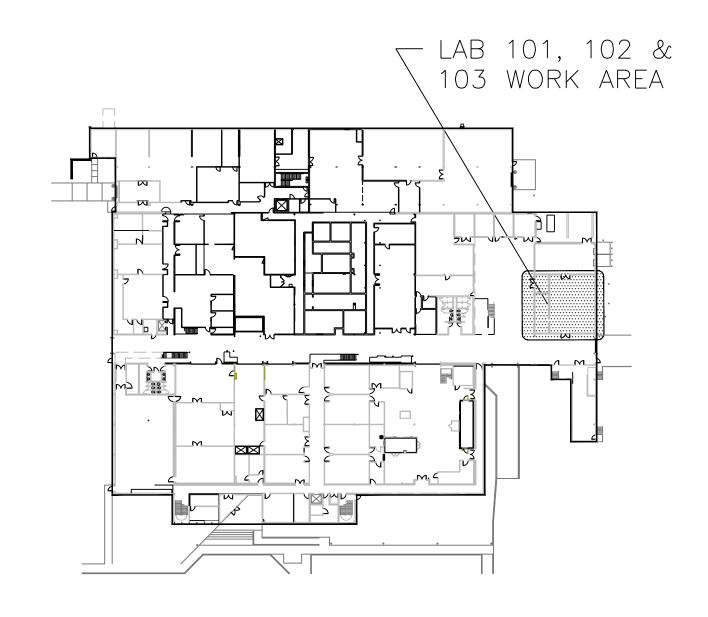


<u>PLUMBING KEYNOTES:</u>

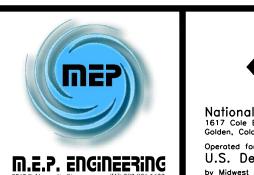
- DE-IONIZED WATER SUPPLY, DE-IONIZED WATER RETURN, COMPRESSED AIR, VACUUM, AND NATURAL GAS PIPING DOWN. FIELD VERIFY LOCATIONS PRIOR TO THE START OF WORK.
- CHILLED WATER SUPPLY, CHILLED WATER RETURN, DOMESTIC COLD WATER, DOMESTIC HOT WATER, AND DOMESTIC HOT WATER RETURN PIPING DOWN. FIELD VERIFY LOCATIONS PRIOR TO THE START OF WORK.
- ROUTE NEW NITROGEN DISTRIBUTION PIPING DOWN ON WALL. CONNECT TO EXISTING MAIN BELOW. EXISTING OXYGEN PIPING SHALL REMAIN. FIELD VERIFY LOCATIONS PRIOR TO THE START OF
- 4 4 COLD WATER PIPING DOWN. RE: P-01 FOR CONTINUATION.
- 5 3" GAS PIPING DOWN RE: P-01 FOR CONTINUATION.
- 6 1/4" ARGON. 1/4" HELIUM, 1/4" ZERO AIR, PIPING TO TANK STORAGE ROOM. RE: GAS EQUIPMENT SUPPLIER'S DRAWINGS FOR MORE INFORMATION.
- 3/4" TEMPERED HOT WATER, 3/4" HOT WATER, 3/4" COLD WATER 1/2" DE-IONINZED WATER SUPPLY, 1/2" DE-IONIZED WATER RETURN, 1/2" N2, 1/2" CA (90 PSI), 1/4" HE, 1/4" ZERO AIR, 1/4" AR, 1/2"VAC, AND 3/4" NATURAL GAS PIPING UP IN PLUMBING CHASE. RE: P-02 FOR CONTINUATION.
- B DOMESTIC COLD WATER, DOMESTIC HOT WATER, HOT WATER CIRCULATION, COMPRESSED AIR, AND NITROGEN PIPING DOWN ON WALL. FIELD VERIFY LOCATIONS PRIOR TO THE START OF WORK.
- 9 2" WASTE PIPING UP. RE: P-03 FOR CONTINUATION.
- 10 2" WASTE PIPING DOWN ON WALL RE: P-01 FOR CONTINUATION.
- 11 3/4" COLD WATER PIPING UP RE: P-03 FOR CONTINUATION.
- ROUTE 3/4" COLD WATER PIPING UP TO HOSE BIBB IN FAN ROOM. RE; P-03 FOR CONTINUATION.
- 3/4" COLD WATER, 3/4" HOT WATER PIPING TO TMV-1. MAKE ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS. COORDINATE EXACT LOCATION IN FIELD WITH GENERAL
- $\langle 14 \rangle$ ROUTE NEW 2" VENT PIPING UP. RE: P-03 FOR CONTINUATION.
- ROUTE NEW 2" WASTE PIPING AS HIGH IN STRUCTURE AS POSSIBLE. COORDINATE EXACT ROUTING WITH NEW AND EXISTING STRUCTURE, LIGHTS, HVAC, AND ALL OTHER TRADES PRIOR TO THE START OF WORK. RE: P-03 FOR CONTINUATION ABOVE.
- (16) PROVIDE CAPPED AND VALVED BRANCH PIPING FOR FUTURE CONNECTIONS. SIZE PER PLAN.







NO.	REVISIONS	DATE	BY APP'D. BAE	NO.	REVISIONS DATE	BY	′ APP'[). BA	- - -		FILE INFORMATION	ENGINE	ERING REVIEN	N	
0	50% CONSTRUCTION DOCUMENTS	8-25-11		•	· ·	٠			USER:	DLD	DATE: 1/20/12 TIME: . XREF'S: .		APPROVAL	DATE	1
1	90% CONSTRUCTION DOCUMENTS	9-30-11			· ·	٠			DWG. FILE:		LAYOUT: .	DESIGNER	DPH		
2	100% CONSTRUCTION DOCUMENTS	11-3-11			· ·	٠			DWG. FOLDER	R:		ENGINEER	DPH		
3	FOR CONSTRUCTION	1-20-12		•	· ·				ACAD VERSIO	DN: AUTOCAD 2010		CHECKED BY	МТМ		1
				•	· ·		,		PLATFORM:	WINDOWS XP		A/E APPROVED BY			1
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				•	· .				PLOT INFO.:	NREL.STB		BLDG. AREA ENG.		•	Den info



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FLTB	MECH
THERMO-CHEM LABORATORY 101	CONVERSION
TASK ORDER 13	
SECOND FLOOR PLUMBING	PLAN

DRAWING NO. PREFIX FLTB-135-	DRAWING NO. P-02	REVISION NO.
NREL PROJECT NO. EX2010034	NREL WORK ORDER NO. 13	a/e project no. 11261