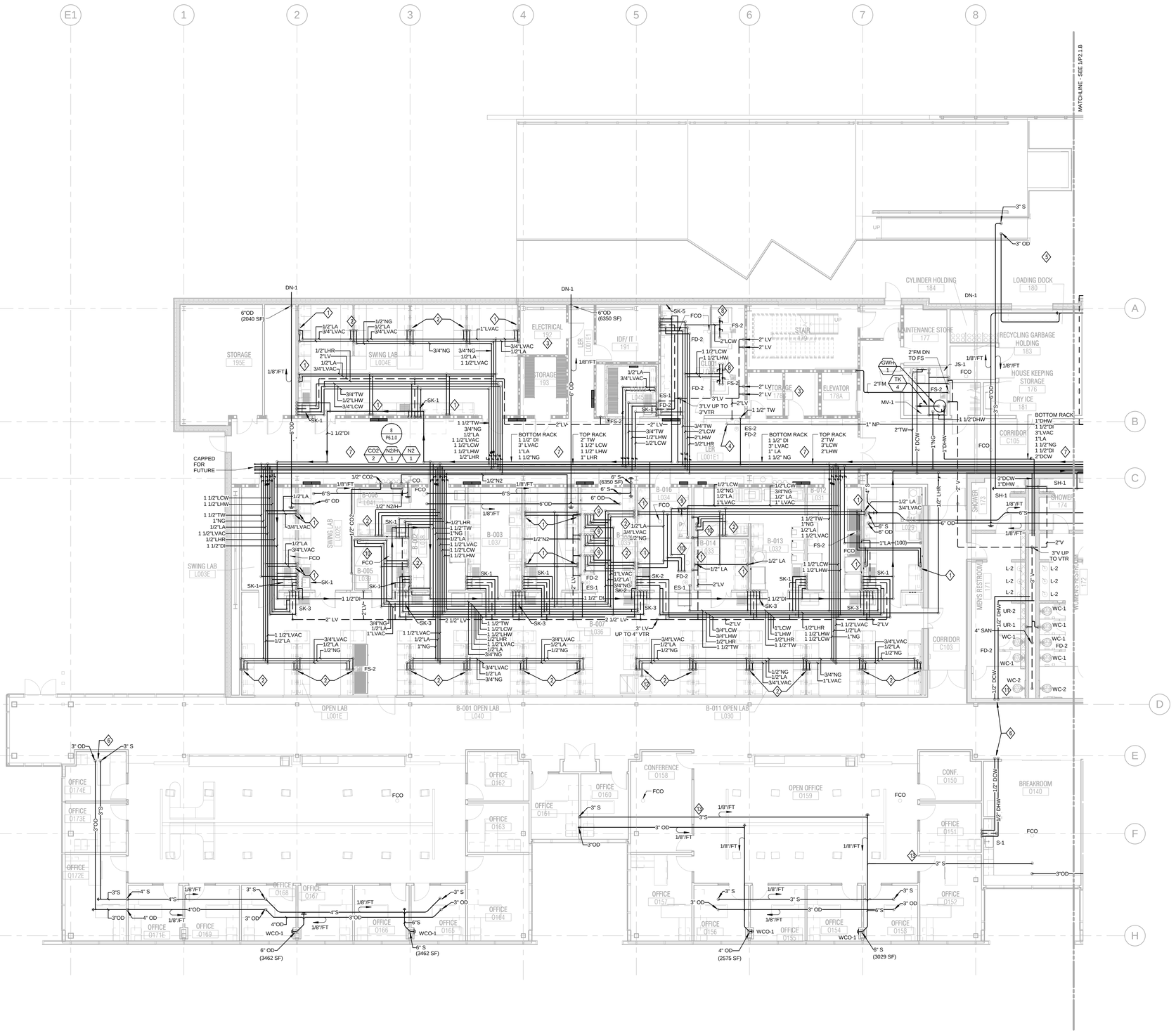

1 01 LEVEL PLUMBING PLAN A

1/8" = 1'-0"

GENERAL NOTES

1. LEVEL 1 FINISHED FLOOR=0'-0" (744.36 USGS).
2. REFER TO AQ SERIES PLANS FOR LABORATORY SERVICES AND DETAILS.
3. REFER TO SCHEDULES AND DETAILS FOR PIPE SIZES AT CONNECTIONS.

ALTERNATES GENERAL NOTES

ALTERNATE A-3
1. PROVIDE ADDITIONAL PLUMBING CONNECTIONS FOR:
   A) (1) ADDITIONAL GLASSWARE WASHER UNIT IN ROOM L046
   B) (1) ADDITIONAL STERILZER IN ROOM L046
   C) (2) BIO-SAFETY CABINETS IN ROOM CL006C

ALTERNATE A-7
1. PROVIDE PURE WATER (DI) SYSTEM EQUIPMENT AND PIPING.

SHEET KEYNOTES

1. CONNECT TO CEILING SERVICE PANEL. REFER TO DETAIL 9/P6.1.0
2. CONNECT TO CEILING SERVICE PANEL. REFER TO DETAIL 10/P6.1.0
3. DO NOT ROUTE PIPE IN THIS ROOM.
4. ROUTE 1"NP FOR CHILLED WATER BACKUP TO ENVIRONMENTAL ROOM CONDENSERS. WHEN IN BACKUP CONDITION ROUTE WASTE COOLING WATER TO NEAREST FLOOR DRAIN.
5. ROUTE PIPES INSIDE CANOPY ENCLOSURE.
6. REFER TO 02 PENTHOUSE DRAWINGS FOR PIPING ABOVE CLERESTORY CEILING.
7. BOTTOM PIPE RACK: BOP AT 11'-0" AFF. TOP PIPE RACK: BOP AT 11'-10" AFF.
8. PROVIDE WATER HAMMER ARRESTOR ON WATER LINES SERVING AUTOCLAVE AND GLASS WASHERS.
9. CONNECT TO FUME HOOD. REFER TO DETAIL 7/P6.1.0
10. CONNECT TO BIOSAFETY CABINET. REFER TO DETAIL 16/P6.1.0
11. ACCESS PANEL FOR WATER HAMMER ARRESTOR AND TRAP PRIMER.
12. CONNECT VACUUM TO SERVICE COLUMN, REFER TO DETAIL 5/AQ9.8.2.
13. PIPE TO BE ROUTED AS HIGH AS POSSIBLE THROUGH THIS WALL. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS TO BE COORDINATED IN FIELD.

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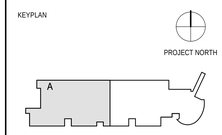
SEALS AND SIGNATURES

KEYPLAN



REV. NO.	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR CONSTRUCTION			07/03/12

Argonne NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO: 08541-00

DRAWING TITLE: 01 LEVEL PLUMBING PLAN A

DESIGNED SAB	A/E CADD FILE P2.1.A.E1	FACILITY NO(S)
DRAWN JJG	A/E DWG. NO. P2.1.A.E1	
CHECKED SAB	CAD NO:	
PROJECT MANAGER ANL - JESSE ADAMS DATE - 09/02/11	DWG STATE	
	BIND ORDER	
FACILITY DOCUMENT NUMBER J446-101-W-	P2.1.A.E1	REV. NO.

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