GENERAL NOTES

1. PROVIDE BALANCING DAMPER AT EACH DIFFUSER, REGISTER, GRILLE, AND BRANCH TAKE OFF IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK. LOCATE BALANCING DAMPER AS CLOSE TO BRANCH TAKE OFF AS POSSIBLE.

2. DUCT SIZE TO DIFFUSERS, REGISTERS, AND GRILLES SHALL BE SAME AS NECK SIZE UNLESS OTHERWISE NOTED.

3. DUCT SIZE TO AIR TERMINAL DEVICES SHALL BE SAME AS INLET SIZE UNLESS OTHERWISE NOTED.

4. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATION WITH REFLECTED CEILING PLAN.

5. PROVIDE FLEXIBLE DUCTWORK FOR FINAL CONNECTIONS TO SUPPLY DIFFUSERS, REGISTERS, AND GRILLES. FLEXIBLE DUCT SIZE SHALL BE SAME AS NECK SIZE OF DIFFUSER OR GRILLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.

6. FIRE SMOKE DAMPER MOTOR SHALL BE MOUNTED ON THE SIDE OF THE SLEEVES. WHERE THERE IS NOT ADEQUATE SPACE TO MOUNT MOTORS ON SIDE, MOTORS SHALL BE MOUNTED ON BOTTOM OF SLEEVES. BOTTOM MOUNTED DAMPER ASSEMBLY SHALL BE PROVIDED FROM MANUFACTURER, NOT MODIFIED IN THE FIELD OR TURNED 90 DEGREES TO BE USED IN A BOTTOM MOUNTED APPLICATION.

7. COORDINATE DUCT CROSSINGS THROUGH PLUMBING CHASES WITH PLUMBING EQUIPMENT AND PIPING.

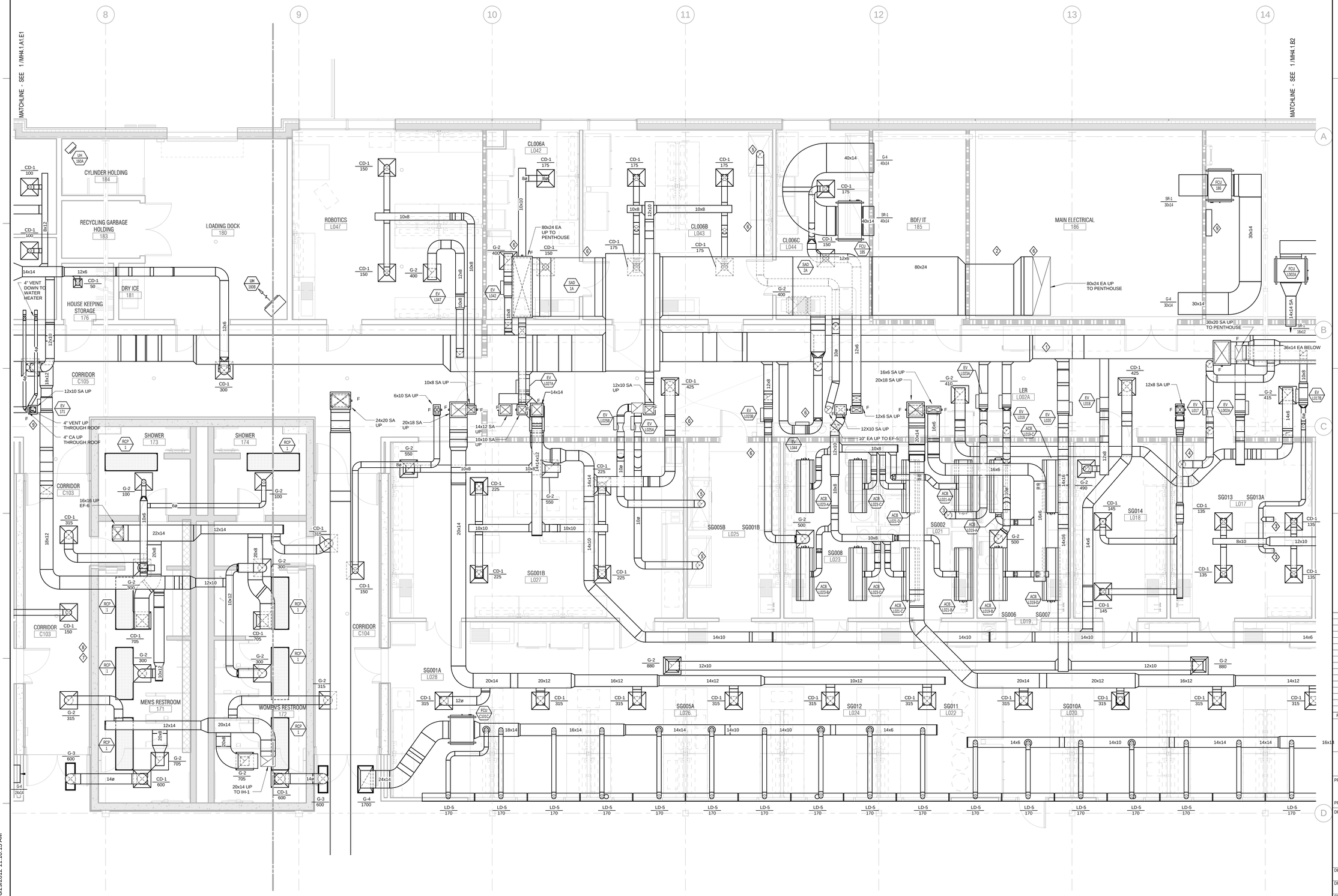
8. LOCATE AIR TERMINAL DEVICES TO ALLOW ACCESS TO DEVICE CONTROLLERS AND PIPING.

9. PROVIDE DUCT LINING AS SPECIFIED IN 23 3114 (DUCTWORK).

10. SEE ENLARGED OFFICE PLAN ON SHEET M6.5.0 FOR TYPICAL PERIMETER OFFICE.

KEYED NOTES

1. SEE DETAIL 12 ON SHEET M6.2.0
2. NOT USED
3. SNORKLE EXHUAST. COORDINATE LOCATION WITH OVERHEAD SERVICE CARRIER. 75 CFM
4. COORDINATE FINAL CONNECTION WITH FUME HOOD MANUFACTURER, 485 CFM
5. COORDINATE FINAL CONNECTION WITH FUME HOOD MANUFACTURER, 785 CFM
6. APPLY ACOUSTIC DUCT COVERING PER SPECIFICATION 23 3314 FROM DUCT FLOOR PENETRATION THROUGH SOUND ATTENUATION DEVICE.
7. PROVIDE LOCAL ON/OFF WALL SWITCH WITH TAMPERPROOF COVER TO CONTROL EF-6. PROVIDE SIGNAGE TO NOTIFY OCCUPANTS THAT FAN SHALL BE USED ONLY IN CASE OF EMERGENCY.
8. O2 MONITOR.
9. BAS PANEL



2 ENLARGED MECHANICAL VENTILATION LAB PLAN - STRUCTURAL GENOMICS B1

1/4" = 1'-0"

SMITHGROUP
architecture engineering interiors planning
SMITHGROUP, INC
35 EAST WACKER
SUITE 2200
CHICAGO, IL 60601
T 312.641.0770
F 312.641.6728
www.smithgroup.com

JJR
landscape architecture planning urban design civil engineering environmental science
JJR, LLC
35 EAST WACKER DRIVE
SUITE 2200
CHICAGO, ILLINOIS 60601
312.641.0510 T
312.641.0668 F
www.jjr-us.com

Affiliated Engineers
Affiliated Engineers, Inc.
5802 Research Park Boulevard
Madison, Wisconsin 53719
Tel 608.238.2616 Fax 608.238.2614

Thornton Tomasetti
Thornton Tomasetti, Inc.
330 N. Wabash Avenue, Suite 1500
Chicago IL 60611-7622
T 312.596.2000 F 312.596.2001

TERRA ENGINEERING LTD.
225 West Ohio Street, 4th Floor
Chicago, Illinois 60654
T:(312)467-0123 F:(312) 467-0220

SEALS AND SIGNATURES

KEYPLAN

PROJECT NORTH

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

ENLARGED MECHANICAL VENTILATION LAB PLAN - STRUCTURAL GENOMICS B1

DESIGNED SPF	A/E CADD FILE MH4.1.B1	FACILITY NO(S)
DRAWN LW	A/E DWG. NO. MH4.1.B1	
CHECKED SPF	CAD NO:	
PROJECT MANAGER ANL - JESSE ADAMS DATE - 06/08/11	DWG STATE	
	BIND ORDER	
FACILITY DOCUMENT NUMBER J446-101-W-	MH4.1.B1	REV. NO.

Plot Date: 6/29/2012 11:10:13 AM