SHEET NOTES:
1. AIR TERMINALS IN THE VERTICAL POSITION. INSTALL AT ELEVATION SO THAT CAN BE ACCESSED WITHOUT LADDER.
INSTALL FIRE DAMPER AT THE FLOOR PENETRATION.

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.

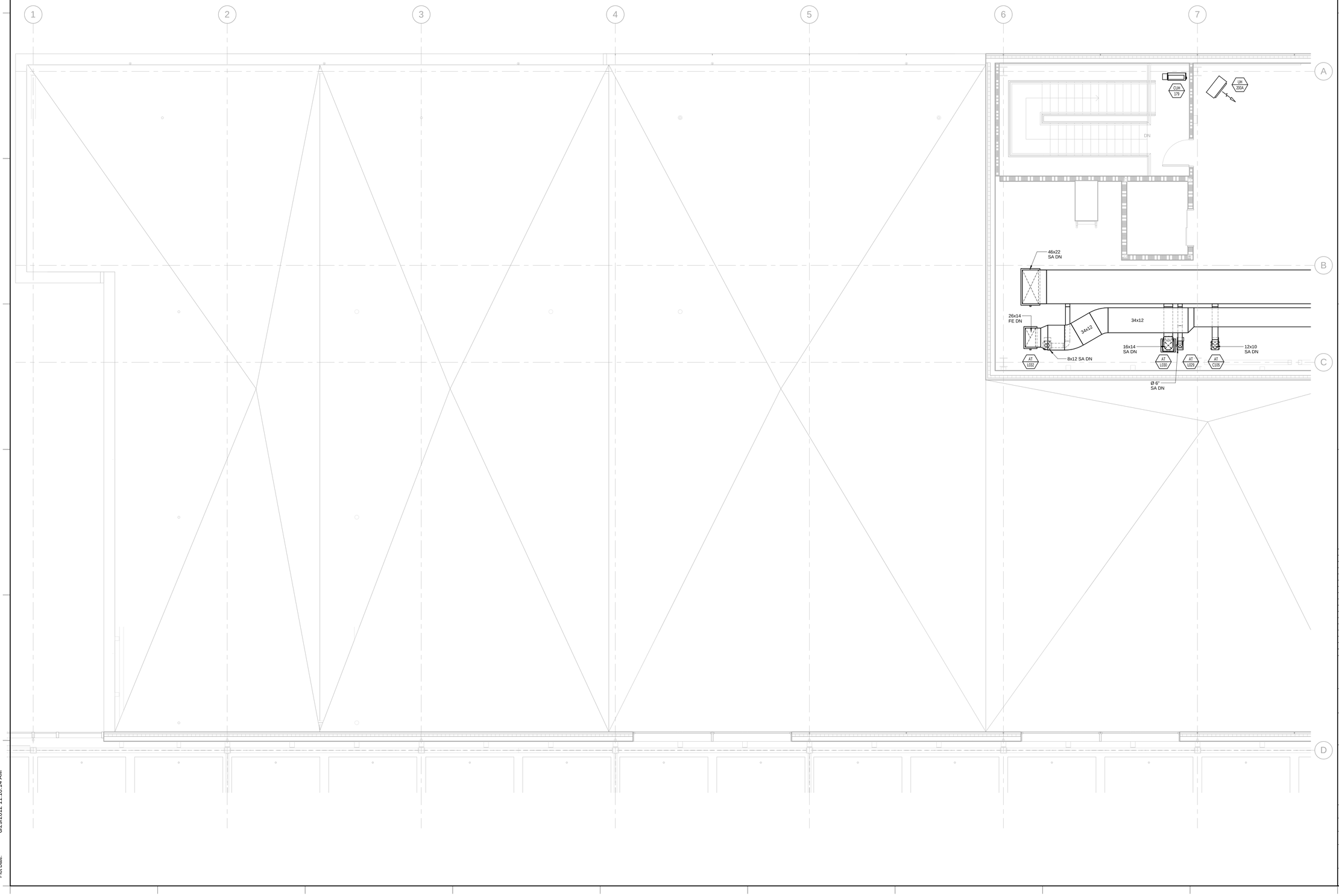
6. FIRE SMOKE DAMPER MOTOR SHALL BE MOUNTED ON THE SIDE OF THE SLEEVES. WHERE THERE IS NOT ADEQUATE SPACE TO MOUNT MOTORS ON SIDE, MOTORS SHALL BE MOUNTED ON BOTTOM OF SLEEVES. BOTTOM MOUNTED DAMPER ASSEMBLY SHALL BE PROVIDED FROM MANUFACTURER, NOT MODIFIED IN THE FIELD OR TURNED 90 DEGREES TO BE USED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



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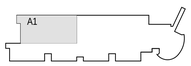
SEALS AND SIGNATURES

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

ENLARGED PENTHOUSE MECHANICAL VENTILATION PLAN A1

DESIGNED SPF	A/E CADD FILE MH4.2.A1	FACILITY NO(S)
DRAWN LW	A/E DWG. NO. MH4.2.A1	
CHECKED SPF	CAD NO:	
PROJECT MANAGER ANL - JESSE ADAMS DATE - 04/26/11	DWG STATE	
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FACILITY DOCUMENT NUMBER J446-101-W-	MH4.2.A1	REV. NO.

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