

AS-BUILTS:



Sheet Metal Contractors, Inc.
1661 Veterans Drive
De Soto, MO 63020

Sheet Metal Contractors, Inc.
1661 Veterans Drive

Phone: (636) 337-2150
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GENERAL NOTES:

- A. COORDINATE WITH ALL TRADES PRIOR TO ANY WORK. FCU'S SHALL BE ABLE TO BE REMOVED FROM CEILING. ALLOW MINIMUM 18" CLEAR SPACE AT ACCESS PANELS FOR SERVICING.
 - B. SEE VRV PIPING DIAGRAM SHEET FOR ALL REFRIGERANT PIPE SIZES AND BRANCH SELECTORS.
 - C. SEE AIR DEVICE SCHEDULE FOR ALL FLEX/DUCT SIZES.
 - D. SEE FCU DETAIL ON DETAIL SHEET FOR ALL PIPING, CONTROLS AND DUCT CONNECTIONS.
 - E. SEE PLUMBING SHEETS FOR DRAINS FOR HVAC CONDENSATE DRAINS.
 - F. ALL CONDENSATE PIPING SHALL BE 1" UNLESS OTHERWISE NOTED.
 - G. ALL RETURN AIR TRANSFER DUCTS TO BE 10"x10" IN ROOMS WITH CEILINGS TO WALLS, UNLESS NOTED OTHERWISE.
 - H. CLASSROOM OUTSIDE AIR VALVES SHALL HAVE MINIMUM OF 3-FT. OF LINED FLEX DUCT AT THE DISCHARGE OF THE UNITS.
 - I. ALL VENITLATION AIR DUCTWORK SHALL BE MEDIUM PRESSURE.

KEYED NOTES:

- 1** OUTSIDE AIR VALVE, TITUS MODEL DECV SIZE 6. AIR VALVES CONTROLLED BY CO₂ SENSOR SHALL BE BALANCED FOR 10% MINIMUM. VALVES WITHOUT CO₂ SHALL BE CONSTANT FLOW.
 - 2** CURVED DIFFUSERS WITH CUSTOM BOX 72"L x 6"H x 10"W.
 - 3** 1" DRAIN PIPE DOWN TO FLOOR DRAIN.
 - 4** 1" GAS PIPING TO FIRE PLACE. PROVIDE PRV AND SHUT-OFF VALVE. CONNECT TO FIRE PLACE AS REQUIRED.
 - 18** SMOKE DAMPERS ELIMINATED DUE TO NON COMMUNICATION

Revisions		
No	Name	Date
1	Addendum 1	08-03-2012
6	COORDINATION REV	10-5-2012

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SWT DESIGN

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PHASE: CONSTRUCTION DOCUMENTS

STEM +
C4C =
FIRST FLOOR
B
MECHANICAL

SUED FOR CONSTRUCTION

1100.01 FILE:
CENTERBROOK ARCHITECTS AND PLANNERS

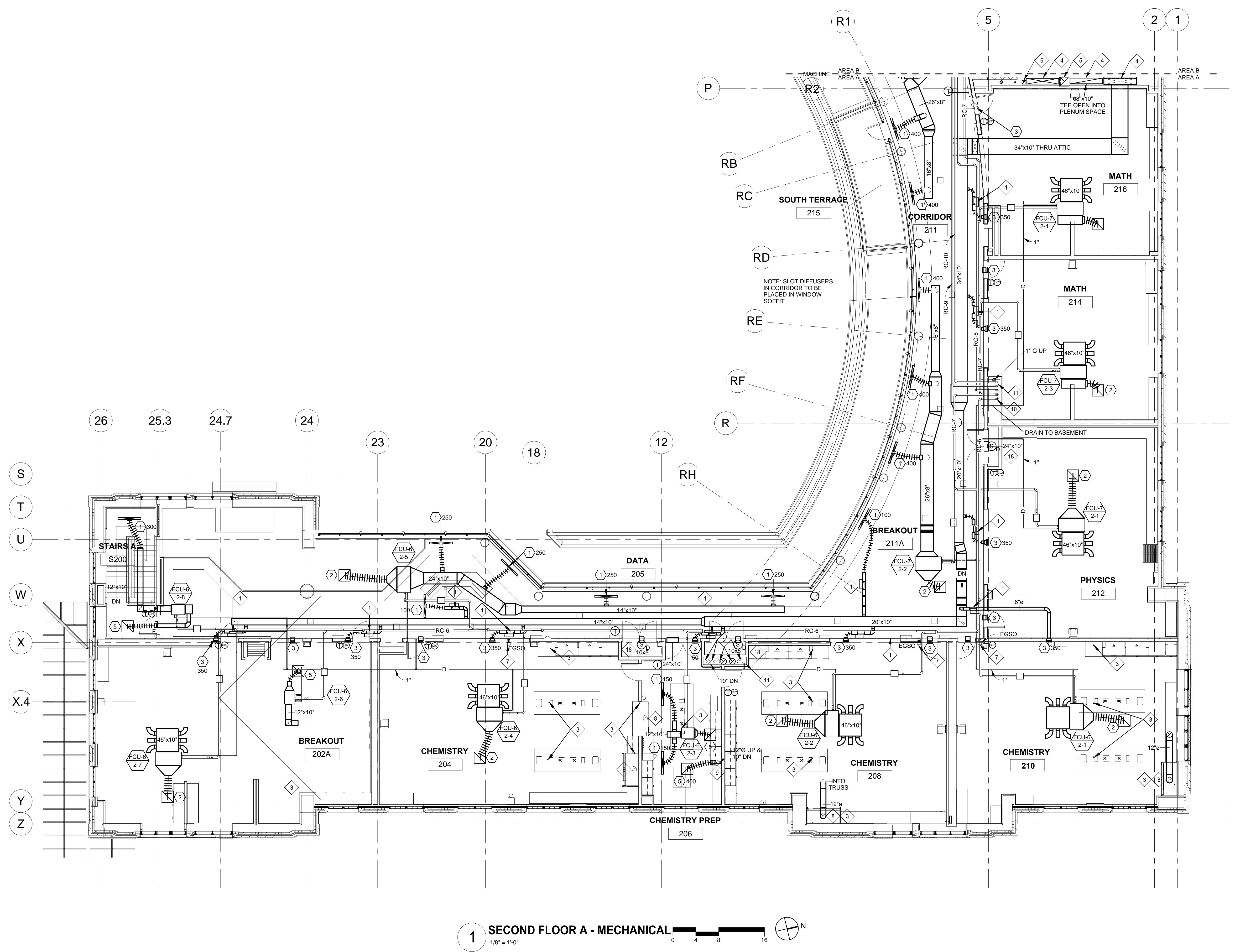
WN BY: DSD	DATE: AUGUST 28, 2012
CKED BY:DLM	SCALE

SCREW B.T.D.EFF SCALE: 1/8" -
1'-0" SHEET:

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 - I. ALL VENITLATION AIR DUCTWORK SHALL BE MEDIUM PRESSURE.

KEYED NOTES:

- 1 OUTSIDE AIR VALVE, TITUS MODEL DECV SIZE 6. AIR VALVES CONTROLLED BY CO2 SENSOR SHALL BE BALANCED FOR 10% MINIMUM. VALVES WITHOUT CO2 SHALL BE CONSTANT FLOW.
 - 2 12"Ø FUME HOOD EXHAUST UP TO ATTIC AND DOWN TO FIRST FLOOR. SEE SPEC FOR MATERIAL. CONNECT TO HOOD AS REQUIRED.
 - 3 GAS PIPING AT EACH BENCH, PROVIDE MANUAL AND ELECTRIC SHUT-OFF VALVES AND TWO QUAD NOZZLES. IN EACH HOOD PROVIDE PIPING, MANUAL AND ELECTRIC SAFETY SHUT-OFF AND ONE DUPLEX NOZZLE.
 - 4 68"x12" OUTSIDE AIR, SUPPLY AIR AND RETURN AIR UP & DOWN.
 - 5 18"x18" EXHAUST AIR DOWN AND 20"x20" UP.
 - 6 8"x8" EXHAUST AIR UP AND DOWN.
 - 7 EMERGENCY GAS SHUT-OFF (EGSO) INSTALL VALVE IN A FLUSH MOUNTED LOCK BOX WITH GLASS DOOR. LABEL WITH EMERGENCY GAS SHUT-OFF.
 - 8 12"Ø FUME HOOD EXHAUST, SEE SPEC FOR MATERIAL AND FIREWRAP. CONNECT TO HOOD AS REQUIRED. SEE ATTIC PLAN FOR DUCTWORK CONTINUATION AND EXHAUST FAN LOCATION.
 - 9 12"Ø EXHAUST UP, SEE SPEC FOR MATERIAL AND FIREWRAP. SEE ATTIC PLAN FOR DUCTWORK CONTINUATION AND EXHAUST FAN LOCATION.
 - 10 RC PIPING DOWN TO MECHANICAL ROOM AND CONNECT TO HRS-1 & HRS-2.
 - 11 1" DRAIN PIPE DOWN.
 - 18 SMOKE DAMPER

Revisions		
No	Name	Date
6	COORDINATION REV	10-5-2012

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PHASE: CONSTRUCTION DOCUMENTS

For more information about the study, please contact the study team at 1-800-258-4929 or visit www.cancer.gov.

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MECHANICAL


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
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
CENTERBROOK ARCHITECTS AND PLANNERS
DRAWN BY: DSD DATE: AUGUST 28,
CHECKED BY DLU 2012 SCALE

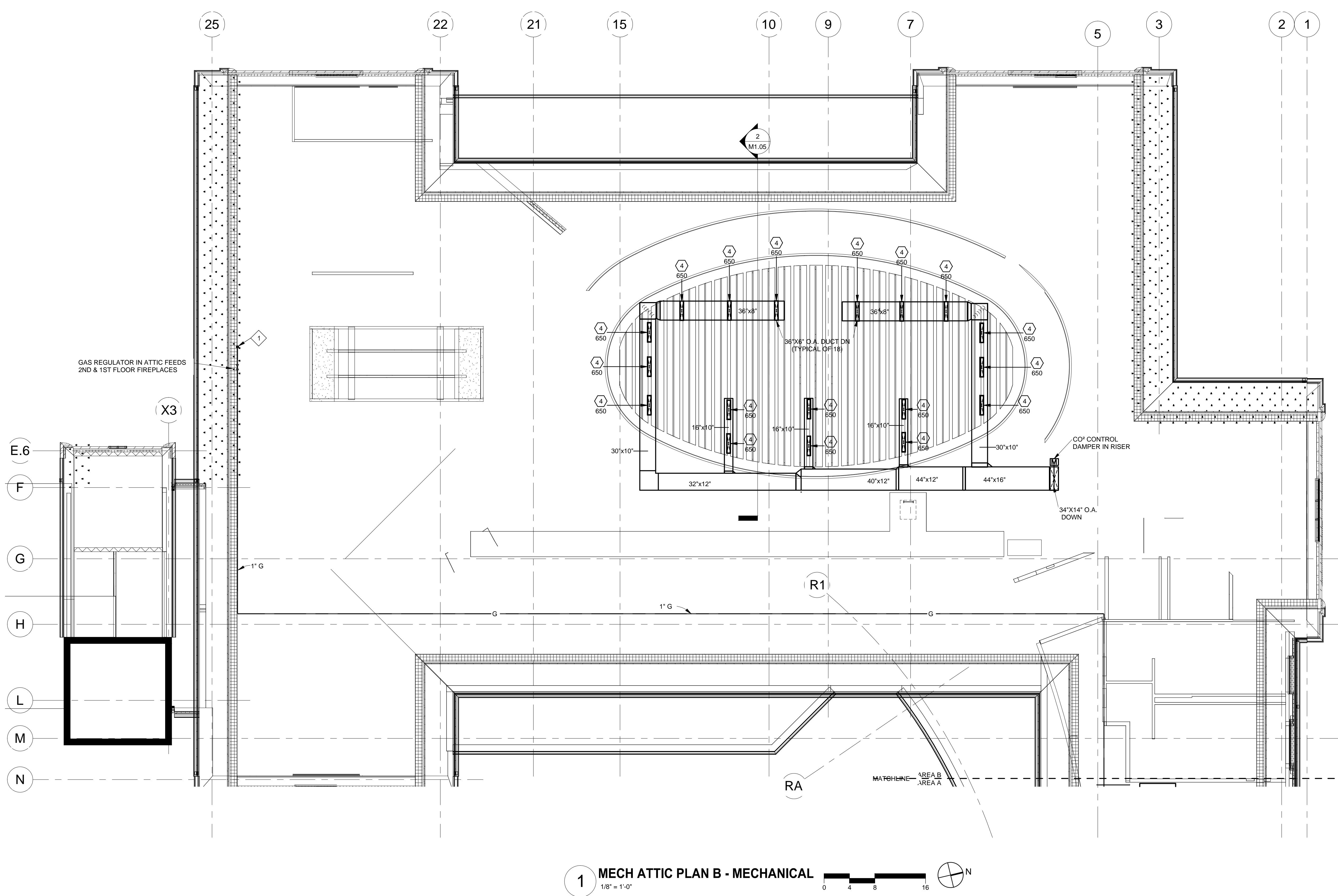
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KEYED NOTES:

1 1" GAS PIPE DOWN TO FIRE PLACES ON FIRST AND SECOND FLOORS. SEE FIRST AND SECOND FLOOR PLANS.

The diagram illustrates a building's footprint with internal room configurations. The main structure is a large black-shaded area representing the building footprint. Inside this footprint, there are several white areas representing rooms. One room on the left is labeled 'C' above 'B'. Another room on the right is labeled 'B' above 'A'. A third room at the bottom center is also labeled 'B' above 'A'. To the far left, outside the main footprint, is a separate white room labeled 'C' above 'B'. Below the main footprint, there is a fourth room labeled 'A'.

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100.01 FILE:

CENTERBROOK ARCHITECTS AND PLANNERS

BY: DSD
ED BY:DLH

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