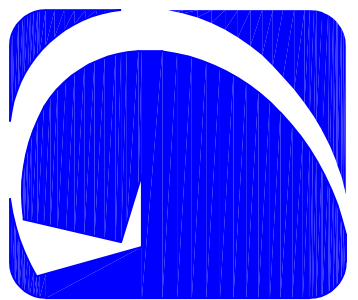
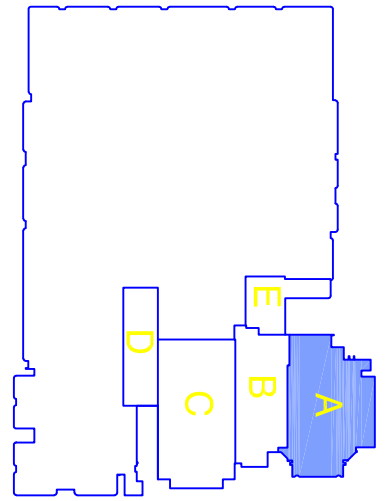




GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
**LAWRENCE CENTRAL
HIGH SCHOOL**

SCHOOL
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

9102 N. Harding St. Ste. 300
Indianapolis, IN 46260
Homepage: www.gibaltardesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 06-612
DATE: 03/19/07
COORDINATED BY: RWN
DRAWN BY: WAB
CHECKED BY: CAC

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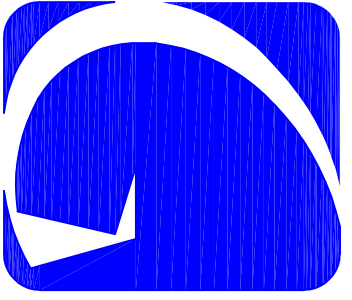
MARK	DATE	ISSUED FOR
AD03	4/06/07	ADDENDUM #3
SI.27	07/15/08	SUPP. INSTR. #27
8-17-10	10-10-10	10-10-10

DRAWING
**UNIT 'A' MECHANICAL
FIRST FLOOR PLAN**

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

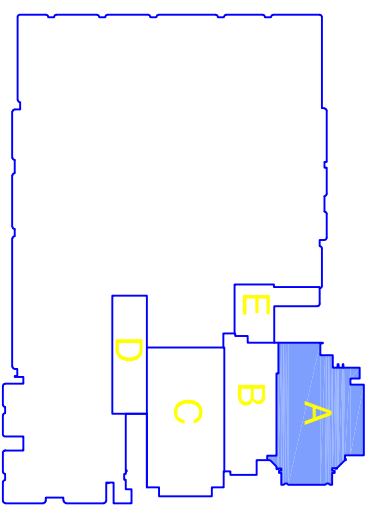
GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10
A M-101

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PROJECT
LAWRENCE CENTRAL HIGH SCHOOL
HIGH SCHOOL
RENOVATIONS, ADDITIONS
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MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

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Phone: 317.580.5777 Fax: 317.580.5778

Project: 06-612
Date: 03/19/07
Coordinated by: RWN
Drawn by: WAB
Checked by: CAC

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REVISIONS	MARK	DATE	ISSUED FOR
AD03/04/06/07 ADDENDUM #3			
8-17-10 KC-BUILT - GREINER BROTHERS INC.			

DRAWING UNIT 'A' MECHANICAL SECOND FLOOR PLAN

PROJECT: LAWRENCE CENTRAL HIGH SCHOOL

DESIGNATION: **A** SHEET: **M-102**

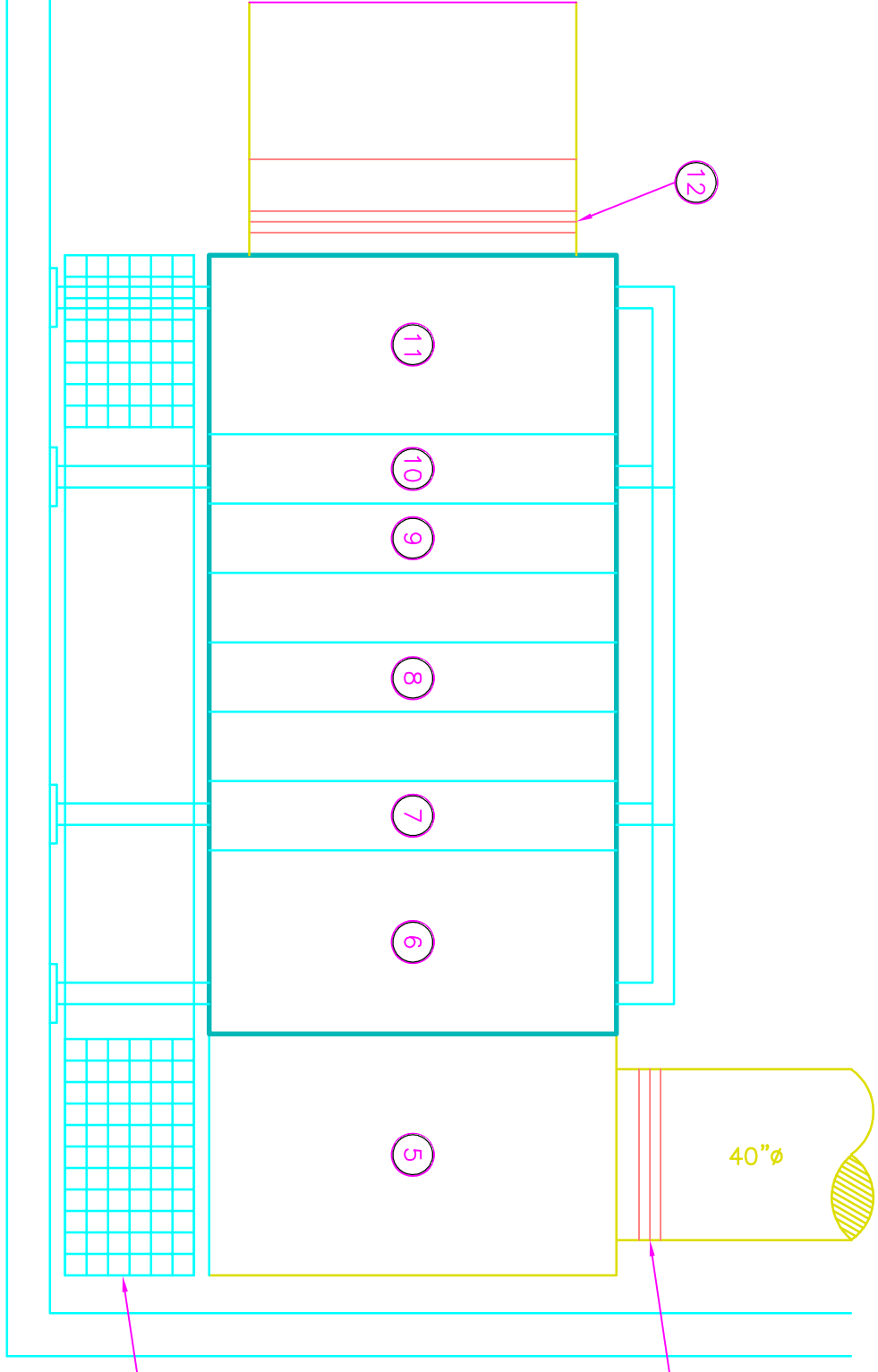
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PLAN NOTES:

1. SEE SHEET M-401 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS M-101 THROUGH M-106 FOR DEMOLITION DRAWINGS.

SECTION A

SCALE: NONE



PARTIAL PLAN

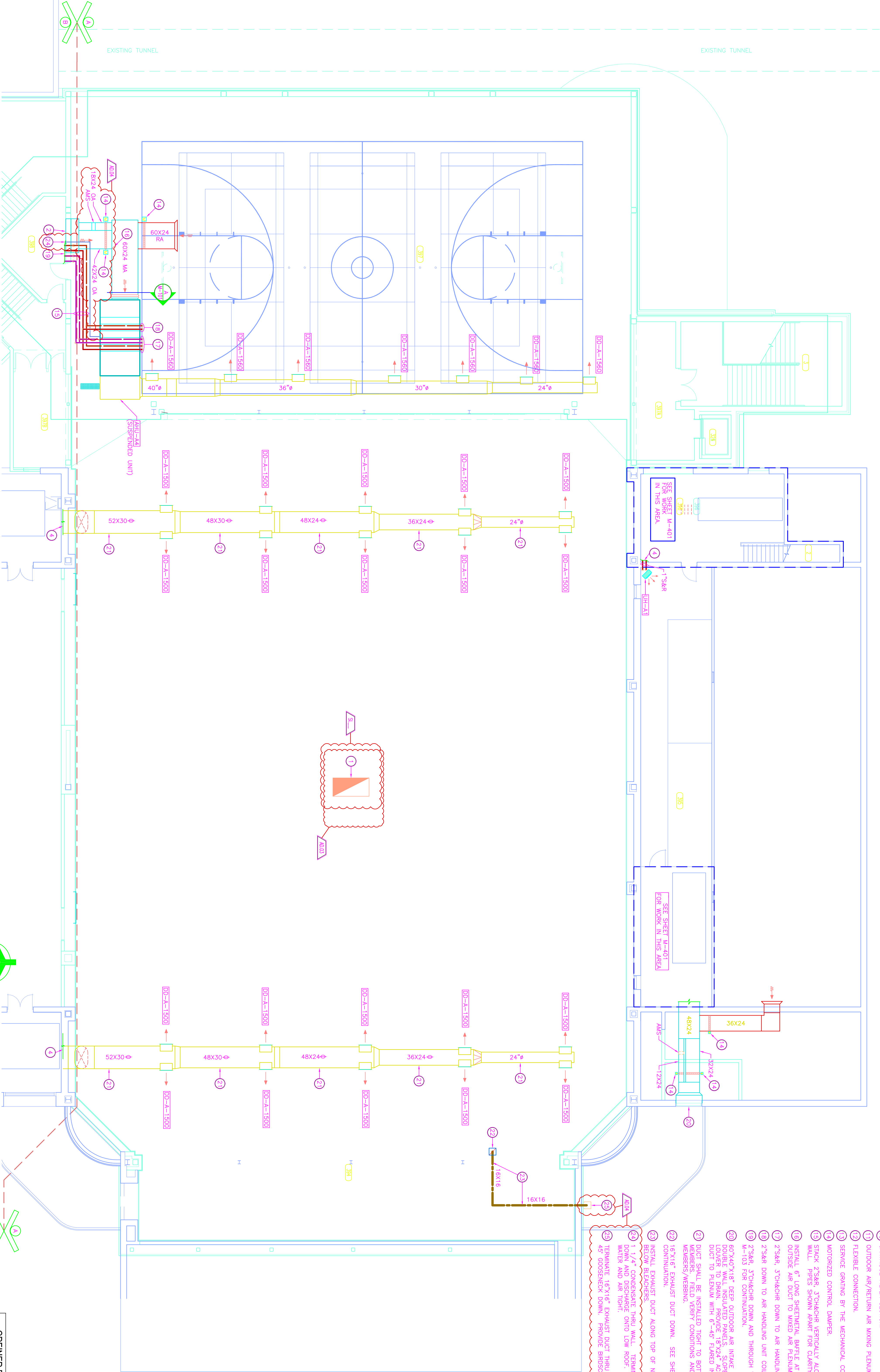
SCALE: NONE

GENERAL NOTES:

1. SEE SHEET M-401 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS M-101 THROUGH M-106 FOR DEMOLITION DRAWINGS.

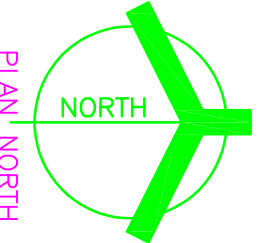
PLAN NOTES:

1. 42"x84" RELIEF OPENING UP TO EXISTING LOWER PENHOUSE ON ROOF. SEE GYM RELIEF DETAIL (THIS SHEET) FOR DETAILS.
2. 18"x24" ACCESS DOOR TO MECHANICAL ROOM. PROVIDE 6"-45° FLARED INLET.
3. MECHANICAL CONTRACTOR TO PROVIDE STRUCTURAL SUPPORTS AS REQUIRED TO SUSPEND AIR HANDLING UNIT FROM BUILDING ROOF STRUCTURE ABOVE.
4. SEE SHEET M-401 FOR CONTINUATION.
5. SHEET METAL SUPPLY PLENUM.
6. FAN SECTION.
7. PREHEAT COIL.
8. COOLING COIL.
9. PREHEAT COIL.
10. CARTRIDGE FILTER SECTION.
11. OUTDOOR AIR/RETURN AIR MIXING PLENUM.
12. FLEXIBLE CONNECTION.
13. SERVICE GRATING BY THE MECHANICAL CONTRACTOR.
14. MOTORIZED CONTROL DAMPER.
15. STACK 235KR, 37CHOKOR VERTICALLY ALONG INTERIOR FACE OF WALL. PIPES SHOWN APART FOR CLARITY.
16. INSTALL 6" LONG SHEETMETAL Baffle AT CONNECTION OF OUTSIDE AIR DUCT TO MIXED AIR PLENUM.
17. 235KR, 37CHOKOR DOWN TO AIR HANDLING UNIT COIL.
18. 235KR DOWN TO AIR HANDLING UNIT COIL.
19. 235KR 37CHOKOR DOWN AND THROUGH WALL. SEE SHEET M-103 FOR CONTINUATION.
20. 80"x45"x18" DEEP OUTDOOR AIR INTAKE PLENUM WITH 1" DOWNWARD SLOPE. PROVIDE 18"x24" ACCESS DOOR. CONNECT DUCT TO PLENUM WITH 6"-45° FLARED INLET.
21. DUCT SHALL BE INSTALLED TIGHT TO BOTTOM OF STRUCTURAL MEMBERS. FIELD VERIFY CONDITIONS AND STRUCTURAL MEMBERS/WEBBING.
22. 18"x16" EXHAUST DUCT DOWN. SEE SHEET M-101 FOR CONTINUATION.
23. INSTALL EXHAUST DUCT ALONG TOP OF NEW STRUCTURAL SLAB, BELOW BLANKET.
24. 1 1/4" CONDENSATE THRU WALL. TERMINATE WITH A 90° ELBOW DOWN AND DISCHARGE ONTO LOW ROOF. SEAL PENETRATIONS WATER AND AIR TIGHT.
25. TERMINATE 18"x16" EXHAUST DUCT THRU EXTERIOR WALL WITH 45° GOOSNECK DOWN. PROVIDE BRODSCHOK OVER OPENING.

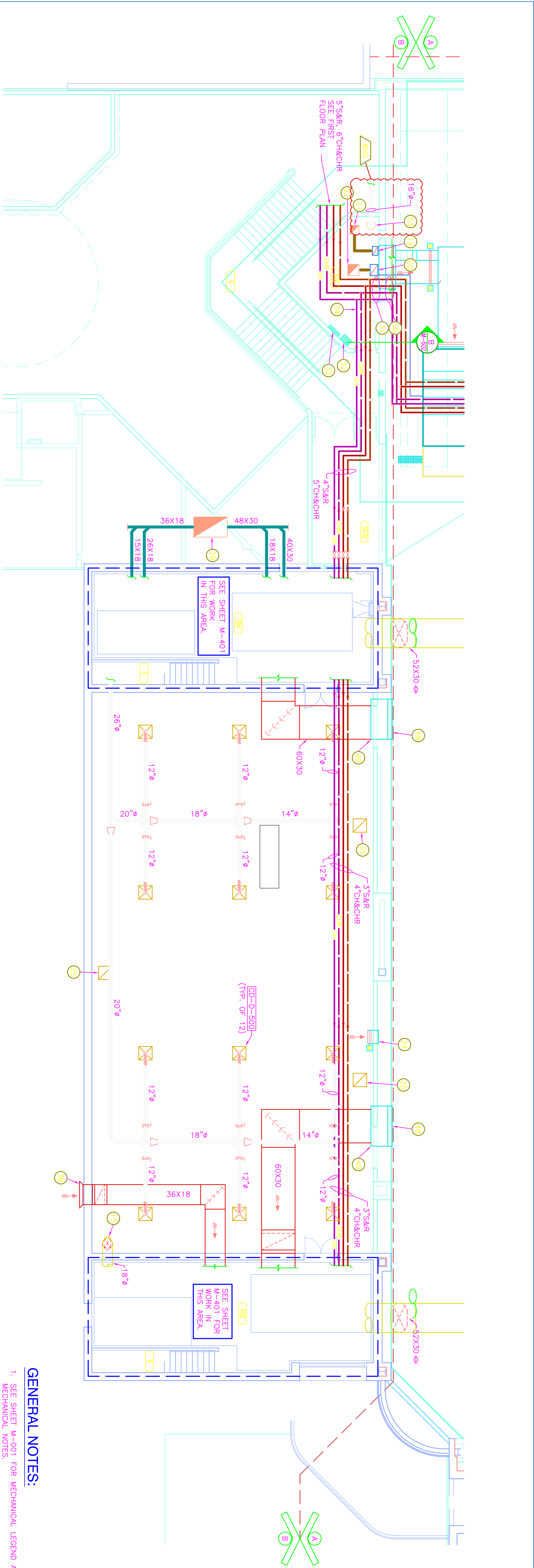


UNIT 'A' MECHANICAL SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

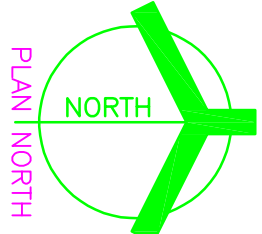


PLAN NORTH



UNIT "B" MECHANICAL SECOND FLOOR PLAN

SCALE 1/8" = 1'-0"



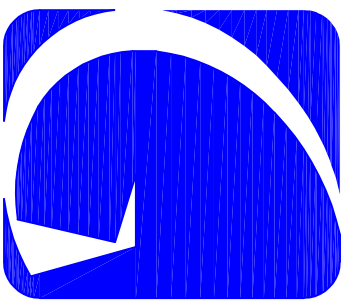
GENERAL NOTES:

1. SEE SHEET M-401 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-401 AND M-402 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-401 AND M-402 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS M-101 THROUGH M-106 FOR DEMOLITION DRAWINGS.

PLAN NOTES:

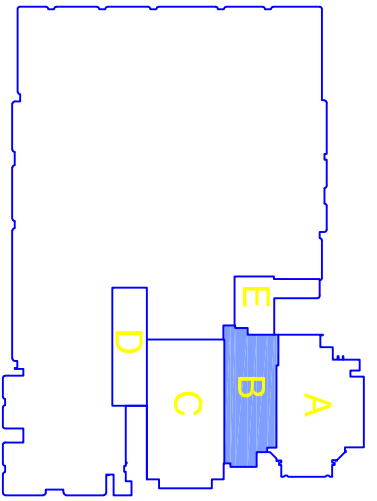
1. 6"x6" EXHAUST GRILLE, 115 CFM.
2. 24"x12" EXHAUST GRILLE, 435 CFM.
3. 18"x18" EXHAUST DUCT UP THRU ROOF TO EF-B1.
4. 24"x12" EXHAUST GRILLE, 250 CFM.
5. 12"x6" EXHAUST GRILLE, 100 CFM.
6. 24"x12" EXHAUST GRILLE, 180 CFM.
7. 18"x18" EXHAUST DUCT UP THRU ROOF TO EF-B3.
8. 6"x6" EXHAUST GRILLE, 75 CFM.
9. 6"x6" EXHAUST GRILLE, 50 CFM.
10. 24"x12" EXHAUST GRILLE, 300 CFM.
11. 24"x12" EXHAUST GRILLE, 150 CFM.
12. 12"x6" EXHAUST DUCT UP THRU ROOF TO EF-B4.
13. 24"x12" EXHAUST DUCT UP THRU ROOF TO EF-B2.
14. 24"x12" SUPPLY DUCT UP, SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
15. 14"x12" SUPPLY DUCT UP, SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
16. 16"x10" EXHAUST DUCT UP.
17. 20"x14" EXHAUST DUCT UP.
18. 16"x10" EXHAUST DUCT DOWN.
19. 20"x14" EXHAUST DUCT DOWN.
20. 6"x16" EXHAUST DUCT UP THRU ROOF TO EF-A4.
21. 20"x20" EXHAUST DUCT UP THRU ROOF TO EF-A3.
22. 36"x20" OUTDOOR AIR INTAKE PLenum UP THRU ROOF TO INTAKE PENHOUSE ON ROOF.
23. 24"x24" RELIEF GRILLE IN WALL AND 24"x24" DUCT TO MOTORIZED RELIEF DAMPER, INSTALL GRILLE AND DUCT AT 16'-0" ABOVE FINISHED FLOOR.
24. 24"x24" EGGOBATE RETURN AIR GRILLE IN LAY-IN CEILING AND OPEN TO CEILING PLenum.
25. 24"x12" TRANSFER AIR DUCT THRU WALL, SEE DETAIL.
26. EXISTING OBJECT HEATER, PROVIDE NEW PIPING.
27. EXISTING CONNECTOR, PROVIDE NEW PIPING.
28. 60"x36" DUCT UP TO 60"x36"x48" HIGH OUTDOOR AIR INTAKE PENHOUSE ON ROOF.
29. 3 1/2"x36", 8"CHOKER UP, SEE SECOND FLOOR PLAN THIS SHEET.
30. 3 1/2"x36", 8"CHOKER DOWN, SEE FIRST FLOOR PLAN THIS SHEET.
31. VARIABLE FREQUENCY DRIVE, AMU-45.
32. TEMPERATURE CONTROL PANEL, AMU-45.
33. PROVIDE SHUT-OFF VALVES IN PIPING MAINS AT THIS LOCATION.
34. 24"x12" EGGOBATE RETURN AIR GRILLE IN LAY-IN CEILING AND OPEN TO CEILING PLenum.
35. CONNECT NEW 6"x8" TO EXISTING 10" MAINS AT THIS LOCATION.
36. 12"x12" TRANSFER AIR DUCT THRU WALL, SEE DETAIL.
37. PROVIDE 6" LONG, 45° FLARED RETURN AIR INLET.
38. 12"x10" EXHAUST GRILLE, 300 CFM.
39. 12"x12" EXHAUST GRILLE, 500 CFM.
40. 16"x16" EXHAUST DUCT UP THRU ROOF TO EF-B5.
41. 2" CONDENSATE DRAIN DOWN, TERMINATE 6" ABOVE AMP SINK BASIN.
42. VARIABLE FREQUENCY DRIVE, AMU-B5.
43. TEMPERATURE CONTROL PANEL, AMU-B5.
44. SERVICE GRATING BY THE MECHANICAL CONTRACTOR.
45. 2 1/2"CHOKER, SEE SHEET M-106 FOR CONTINUATION.
46. EXISTING PIPING TO REMAIN.
47. 6"-4" X 5'-4" RETURN AIR GRILLE. SEE ARCHITECTURAL PLANS FOR DETAILS.
48. 6"-4" X 5'-4" DEEP RETURN AIR PLenum.
49. 7"x8", 3"CHOKER UP, SEE SHEET M-102 FOR CONTINUATION.
50. SEE SHEET M-101 FOR CONTINUATION.
51. 16"x SUPPLY UP, SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
52. 16"x SUPPLY DOWN, SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
53. 10"x SUPPLY DUCT DOWN TO CONNECTION AREA.
54. TEMPORARY BYPASS WALK.

ROOM NAME SCHEDULE	
NO	NAME
1	STAIR
2	STAIR
3	STORAGE
4	STORAGE
5	STORAGE
6	STORAGE
7	STORAGE
8	STORAGE
9	STORAGE
10	STORAGE
11	STORAGE
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KEY PLAN

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PROJECT
06-612
DATE
03/19/07
DRAWN BY
RWV
CHECKED BY
CAC

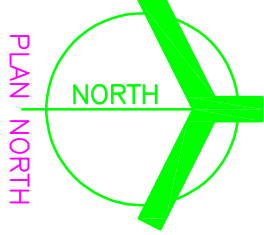
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AD-04/04/12/07	ADDITIONAL #3	
8-17-10	AC-BUILT	GREINER BROTHERS INC.

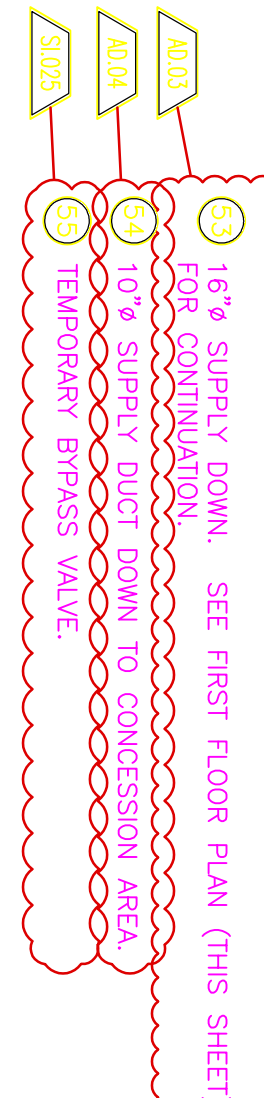
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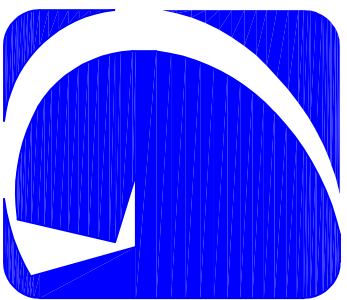
UNIT "B" MECHANICAL FIRST FLOOR PLAN

SCALE 1/8" = 1'-0"



GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10



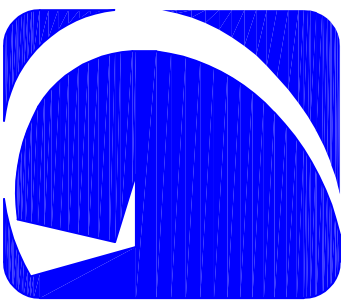


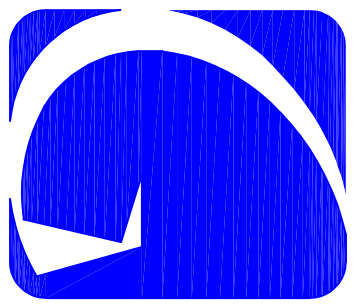
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PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

MARK	DATE	ISSUED FOR
AD-03/04/06/07	ADDITIONAL #4	
AD-04/04/12/07	ADDITIONAL #3	
8-17-10	AC-BUILT	GREINER BROTHERS INC.

REVISIONS	DATE	ISSUED FOR
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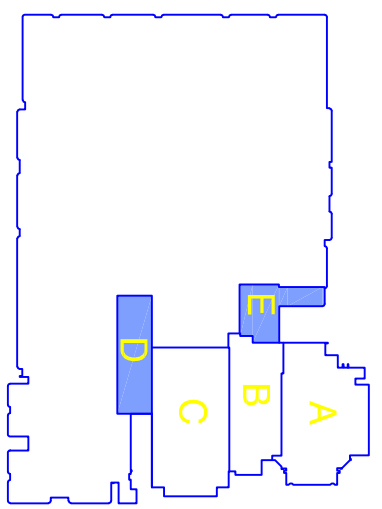




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PROJECT
**LAWRENCE
CENTRAL
HIGH SCHOOL**

SCHOOL
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

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CHECKED BY: CAC

REVISIONS
MARK DATE ISSUED FOR
AD04 4/12/07 ADDENDUM #4
8-17-10 KC-BUILT - GREINER BROTHERS, INC.

DRAWING
UNITS "D" AND "E"
MECHANICAL
FIRST AND SECOND
FLOOR PLANS

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GREINER BROTHERS, INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10
D, E M-106

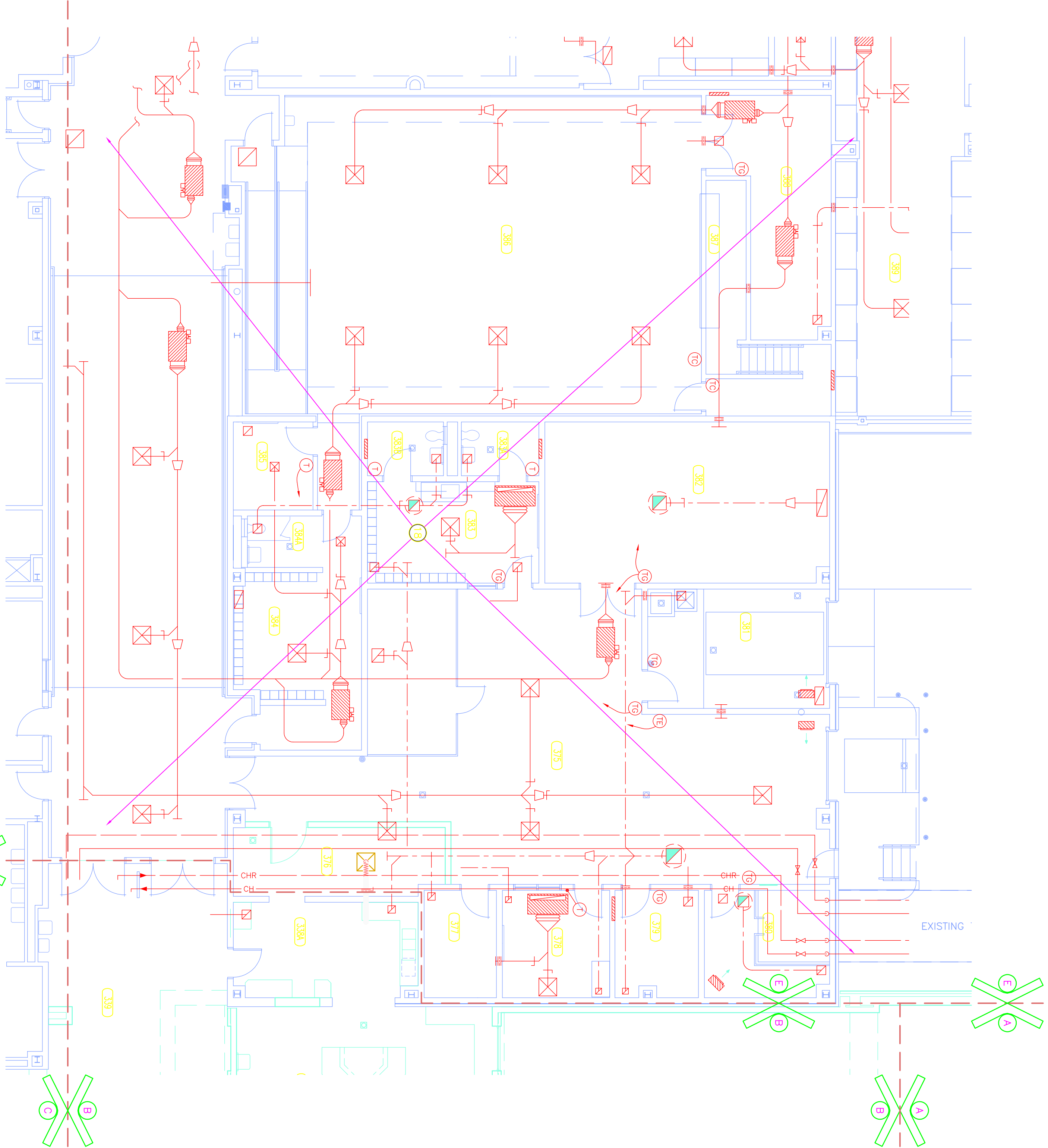
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GENERAL NOTES:

1. SEE SHEET M-601 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS M-101 THROUGH M-106 FOR DEMOLITION DRAWINGS.

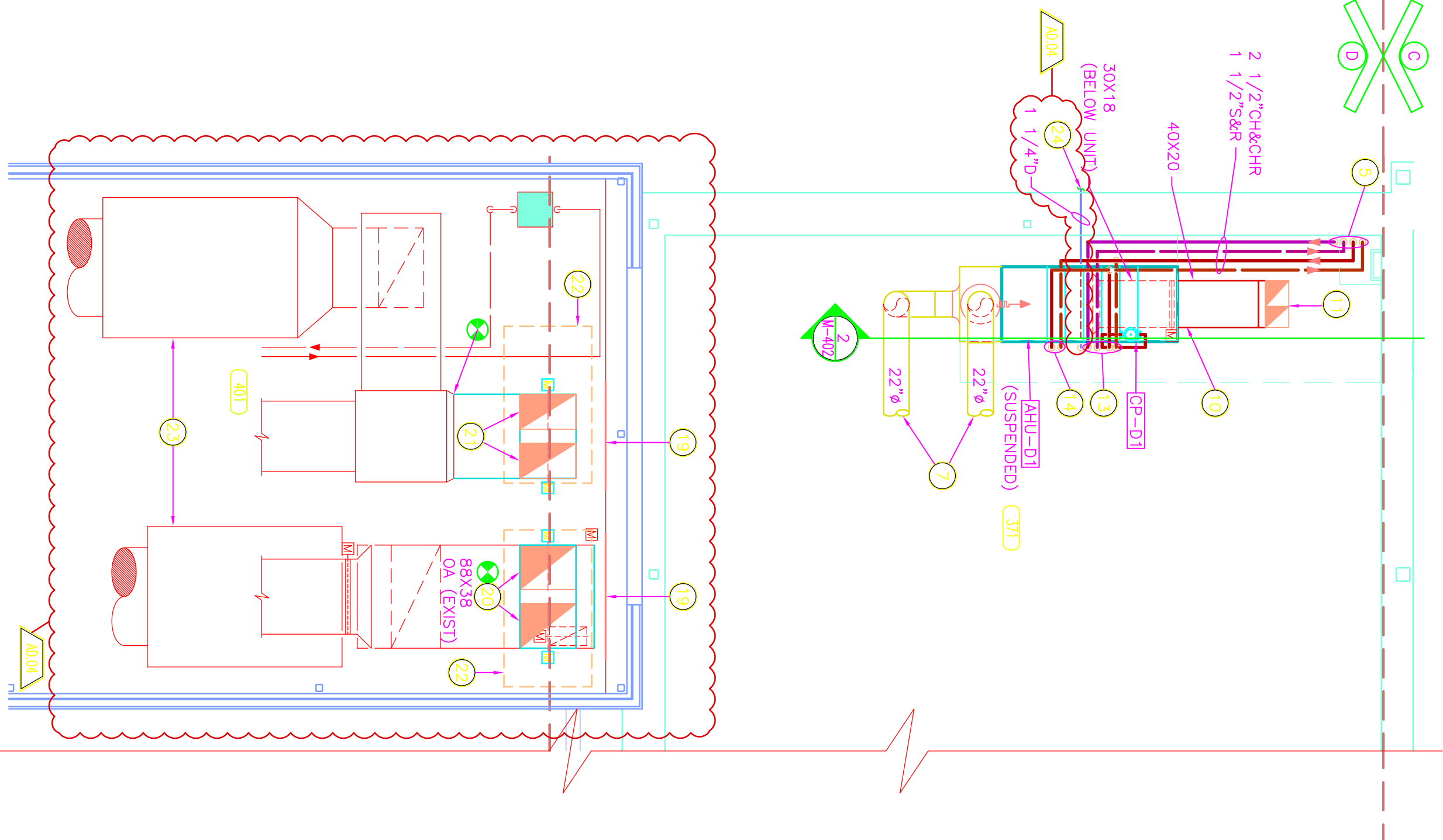
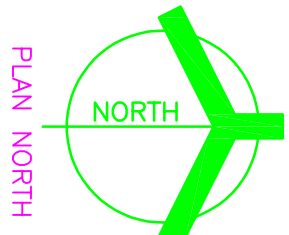
PLAN NOTES:

1. 24"x12" RETURN AIR GRILLE IN CEILING AND OPEN TO RETURN AIR PLenum.
2. 24"x16" (LINED) TRANSFER AIR DUCT THRU WALL ABOVE CEILING.
3. 24"x16" (LINED) TRANSFER AIR DUCT. INSTALL BOTTOM OF DUCT NO LESS THAN 10'-0" A.F.F. TERMINATE WITH 24"x16" SOFTBALL RETURN AIR GRILLE ON EACH SIDE.
4. 36"x36" RELIEF AIR DUCT UP TO RELIEF VENT ON ROOF. RELIEF AIR DUCT SHALL BE CONTROLLED BY A STATIC PRESSURE SENSOR IN GYMNASIUM 370. SEE TYPICAL RELIEF VENT DETAIL.
5. 1 1/2"SAK AND 2 1/2"CHACHIR DOWN. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
6. 2 1/2"SAK AND 2 1/2"CHACHIR UP. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
7. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
8. SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
9. SEE SHEET M-104 FOR CONTINUATION.
10. AIR MEASURING STATION.
11. 40"x20" OUTDOOR INTAKE DUCT UP THRU ROOF TO GRAVITY INTAKE HOOD.
12. 3/4"SAK PRING DROP TO AIR TERMINAL UNIT.
13. 1 1/2"SAK, 2 1/2"CHACHIR DOWN TO AIR HANDLING UNIT COIL.
14. 1 1/2"SAK DOWN TO AIR HANDLING UNIT COIL.
15. INSTALL SHUT-OFF VALVES AT THIS LOCATION.
16. EXISTING PRING MAINS TO REMAIN.
17. RELOCATED EXISTING FAN POWERED VAV TERMINAL.
18. NO WORK REQUIRED IN THIS AREA.
19. DOWN INSULATED EXISTING SHEETMETAL PLenum WITH 1" DOUBLE WALL INSULATED FLEXIBLE.
20. GAE END OF EXISTING 8"x36" OA DUCT. CONNECT NEW 8"x36" DUCT TO ACCOMMODATE EXISTING STRUCTURAL. DIVIDE AND EXTEND UP THRU ROOF TO LOUVERED PENHOUSE. DIVIDE NEW 8"x36" DUCT TO ACCOMMODATE EXISTING CONTROL DAMPERS IN EACH DIVIDED SECTIONS OF DUCT.
21. 22"x48" OA DUCT UP THRU ROOF TO LOUVERED PENHOUSE. DIVIDE NEW 22"x48" DUCT TO ACCOMMODATE EXISTING STRUCTURAL. (FIELD VERIFY). INSTALL NEW TEMPERATURE CONTROL DAMPERS IN EACH DIVIDED SECTIONS OF DUCT. NEW LOUVERED PENHOUSE ON ROOF. SEE SHEET M-101 FOR INFORMATION.
22. EXISTING AIR HANDLING UNIT. TERMINATE WITH 90° ELBOW DOWN AND DISCHARGE ONTO LOW ROOF. SEAL PENETRATIONS WATER AND AIR TIGHT.



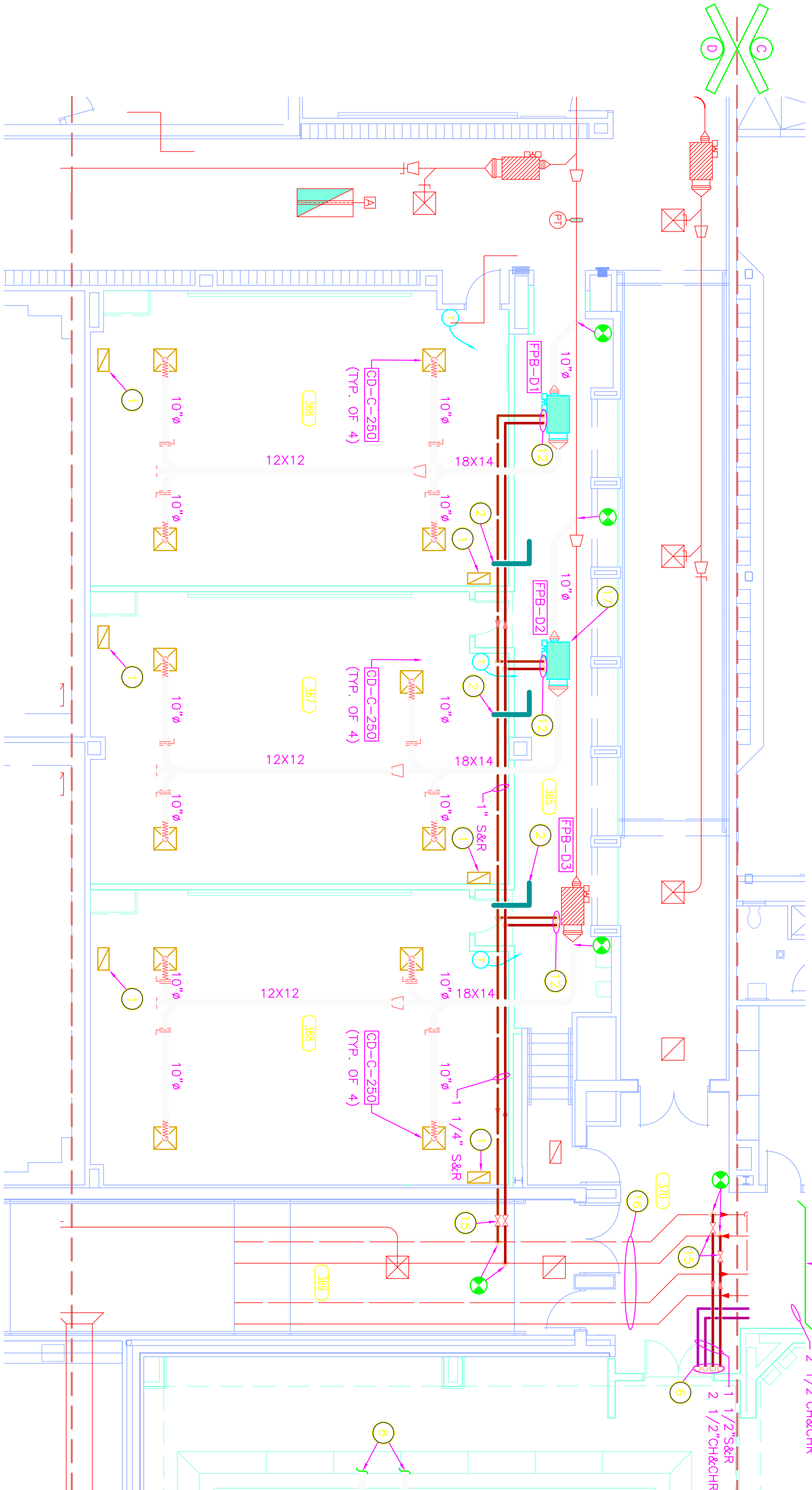
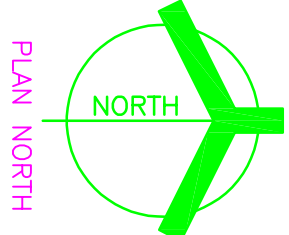
UNIT "E" MECHANICAL FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



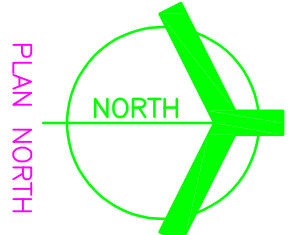
UNIT "D" MECHANICAL SECOND FLOOR PLAN

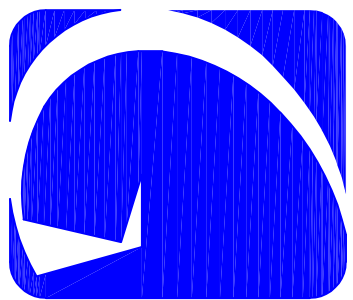
SCALE: 1/8" = 1'-0"



UNIT "D" MECHANICAL FIRST FLOOR PLAN

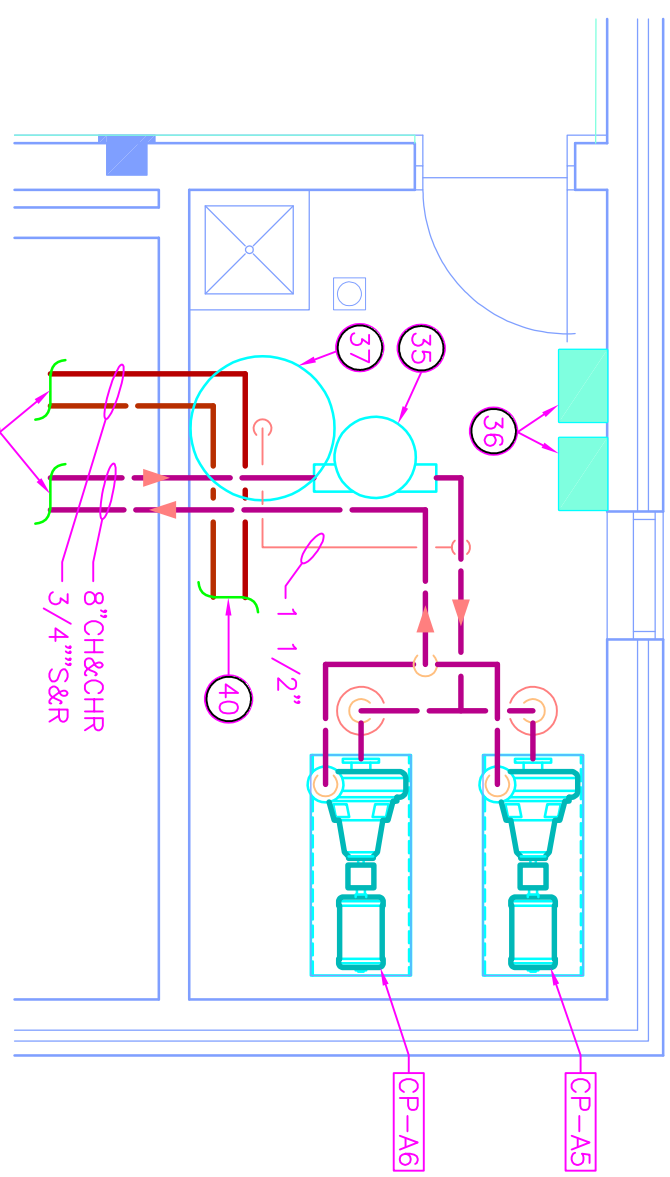
SCALE: 1/8" = 1'-0"





MECHANICAL ROOM 322A ENLARGED PLAN

SCALE: 1/4" = 1'-0"



GENERAL NOTES:

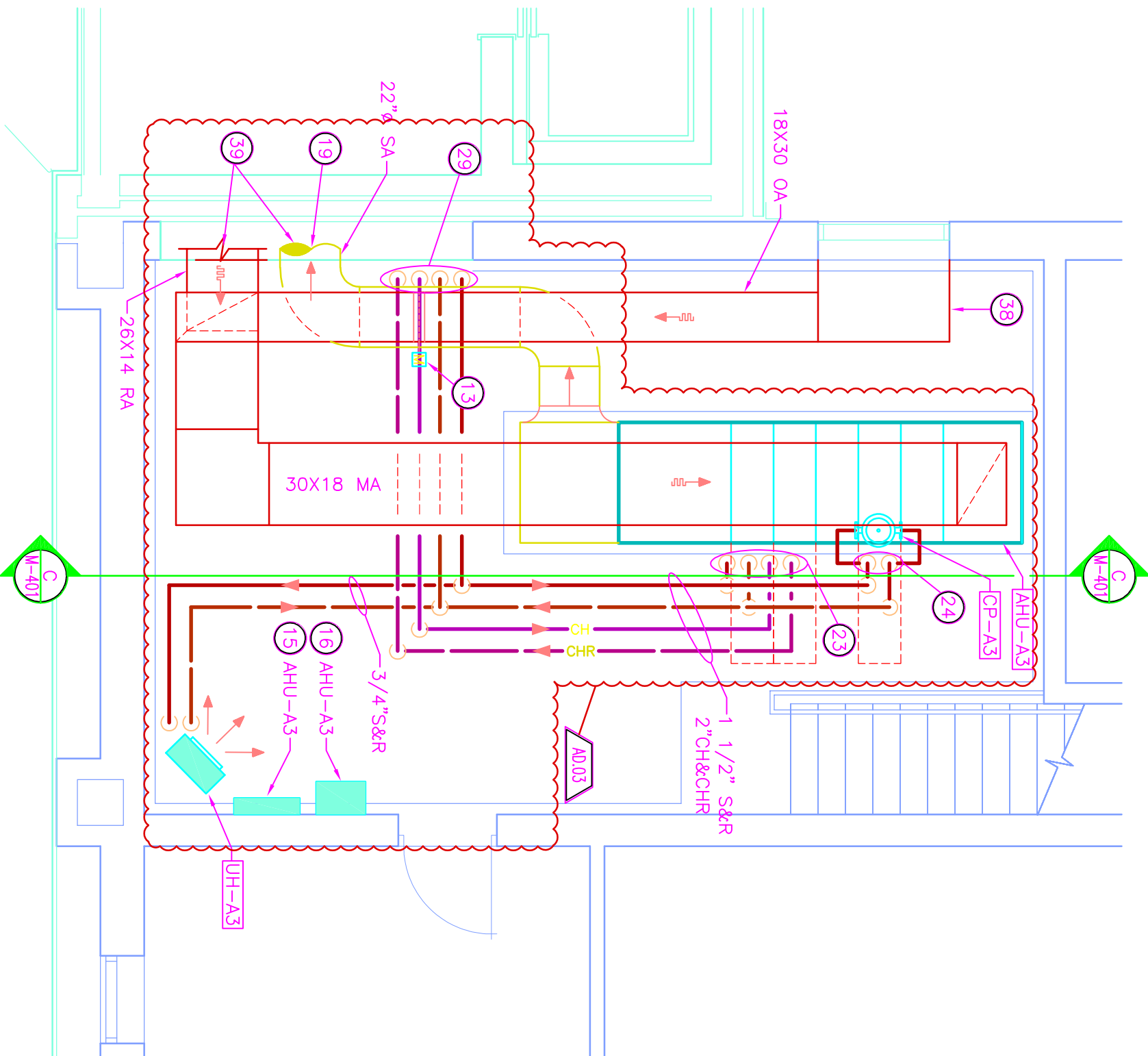
1. SEE SHEET M-601 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEET M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEET M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEET M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAMS.

PLAN NOTES:

- | | |
|----|--|
| 1 | FLEXIBLE DUCT CONNECTION. |
| 2 | FAN SECTION WITH ACCESS DOOR AND INTERNAL VIBRATION ISOLATION MOTOR AND FAN ASSEMBLY. |
| 3 | COOLING COIL SECTION. |
| 4 | HEATING COIL SECTION. |
| 5 | ANGLED FILTER/MIXING SECTION WITH ACCESS DOOR. |
| 6 | DROPPED CONDENSATE DRAIN, TERMINATE OVER NEAREST FLOOR DRAIN. |
| 7 | CONCRETE KEY/STEEPENING PAD BY G.C. |
| 8 | WHEED AIR PLenum (SIZE TO MATCH FILTER/MIXING BOX SECTION OPENING DIMENSIONS). |
| 9 | FLAT FILTER SECTION WITH ACCESS DOOR AND 4" - 6.5" FILTERS. |
| 10 | BLANK SECTION WITH ACCESS DOORS. |
| 11 | SUPPLY AIR DISCHARGE PLenum SECTION WITH ACCESS DOOR GRADE OVER FLOOR OPENINGS. (FIELD CUT DUCT CONNECTIONS) |
| 12 | 8" BASE RAIL, PROVIDE BY THE AIR HANDLING UNIT MANUFACTURER. |
| 13 | MOTORIZED CONTROL, DAMPER. |
| 14 | REPEAT COIL SECTION. |
| 15 | TEMPERATURE CONTROL PANEL. |
| 16 | VARIABLE FREQUENCY DRIVE. |
| 17 | AIR FLOW MEASURING DUCT. |
| 18 | CONNECT SUPPLY AIR DUCT TO AIR HANDLING UNIT WITH A BELLWOUTH FITTING. |
| 19 | PROVIDE DOUBLE WALL INTERNALLY INSULATED DUCT AND FITTINGS WITH PERFORATED INNER LINER (SOUND CONTROL) AND INSULATE DOWNSTREAM OF THE AIR HANDLING UNIT DISCHARGE. |
| 20 | PROVIDE SHUT-OFF VALVES IN RISER PIPES. |
| 21 | EXISTING OUTDOOR AIR INTAKE LOUVER TO REMAIN. |
| 22 | 10'-0" x 8'-0" x 1'-6" DEEP OUTDOOR AIR INTAKE PLenum. CONSTRUCT PLenum WITH 1" DOUBLE WALL INSULATED PANELS. SLOPE BOTTOM 6" TOWARD LOUVER TO |

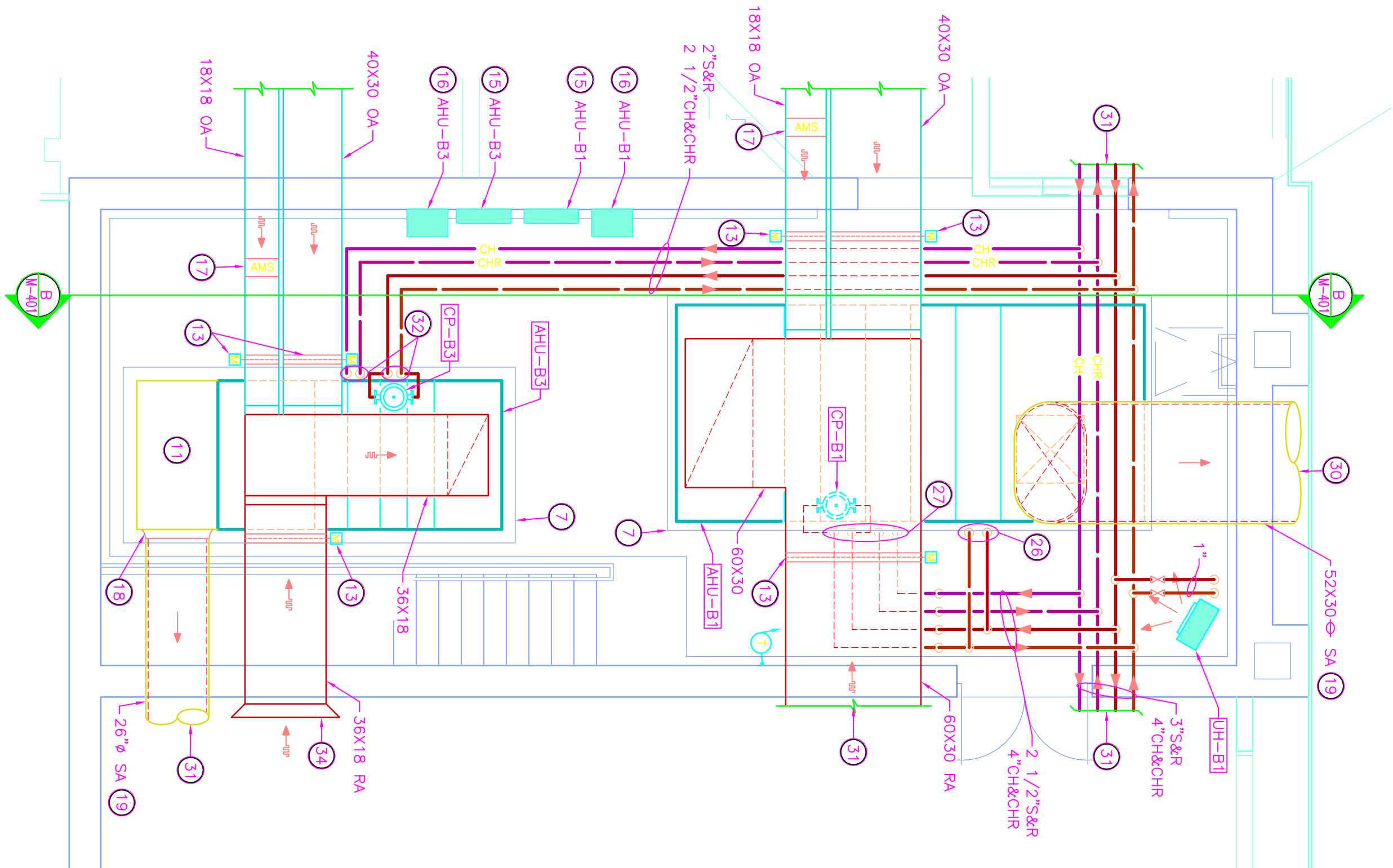
MECHANICAL ROOM 396 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



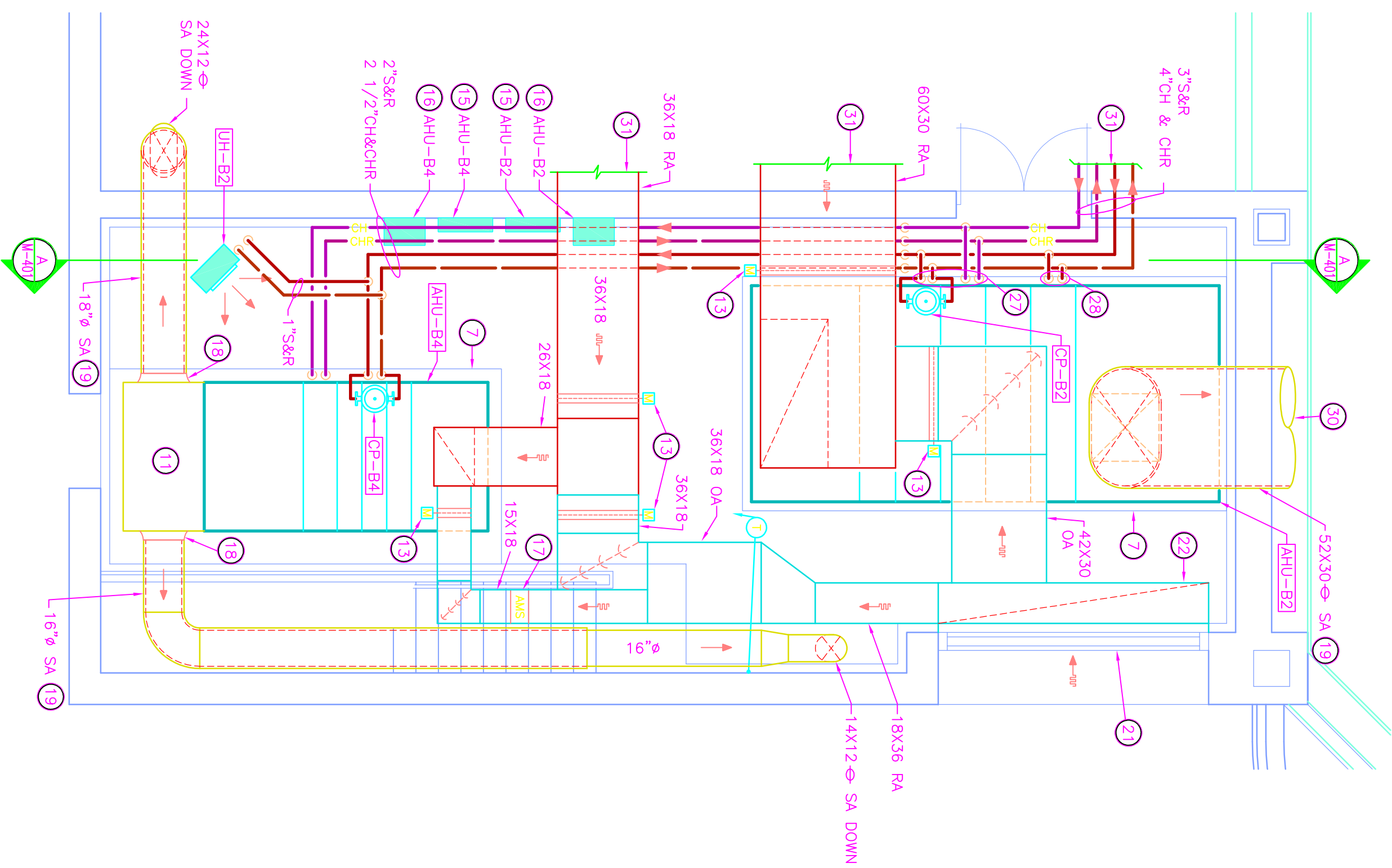
MECHANICAL ROOM 399 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



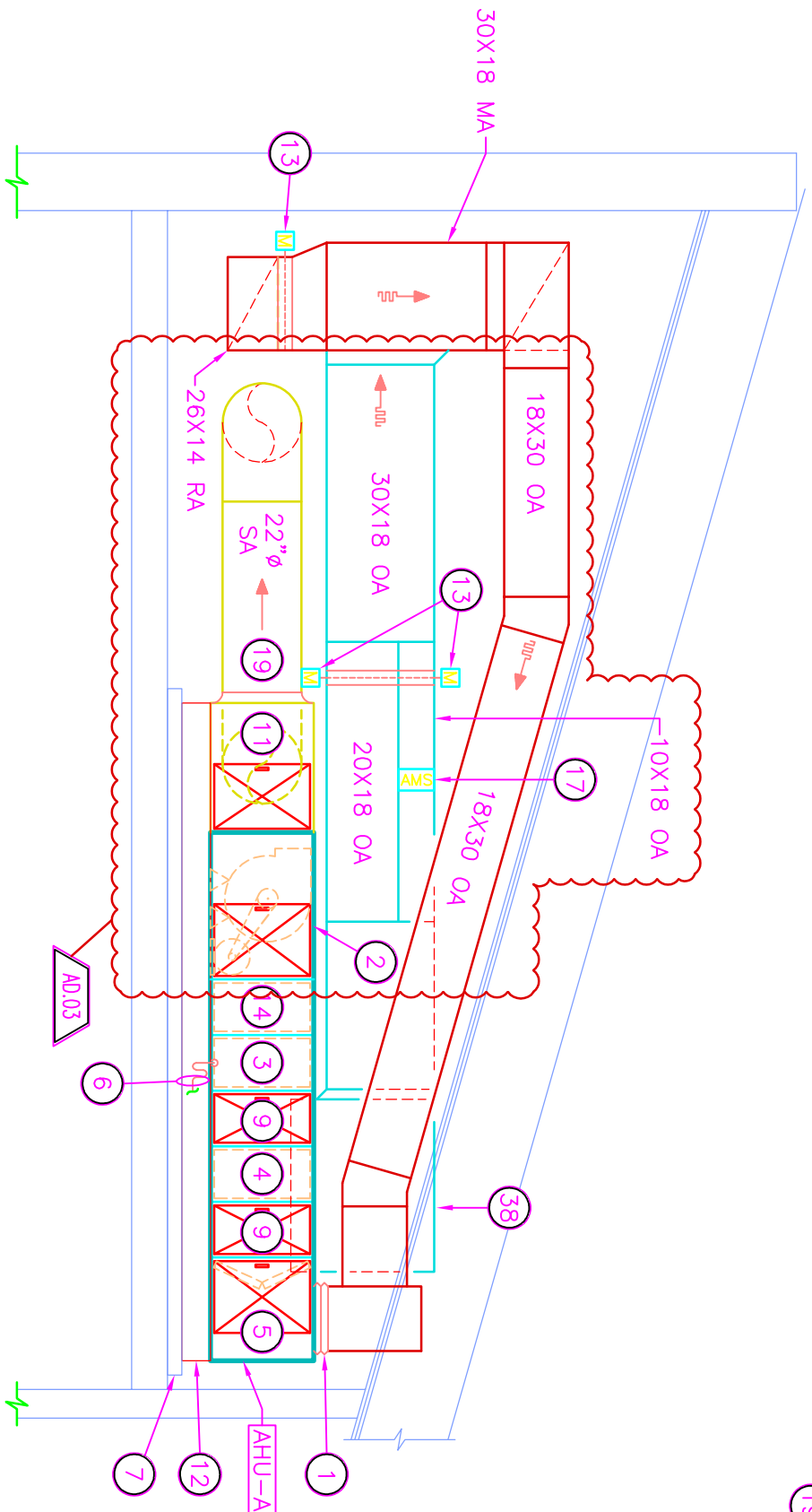
MECHANICAL ROOM 400 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



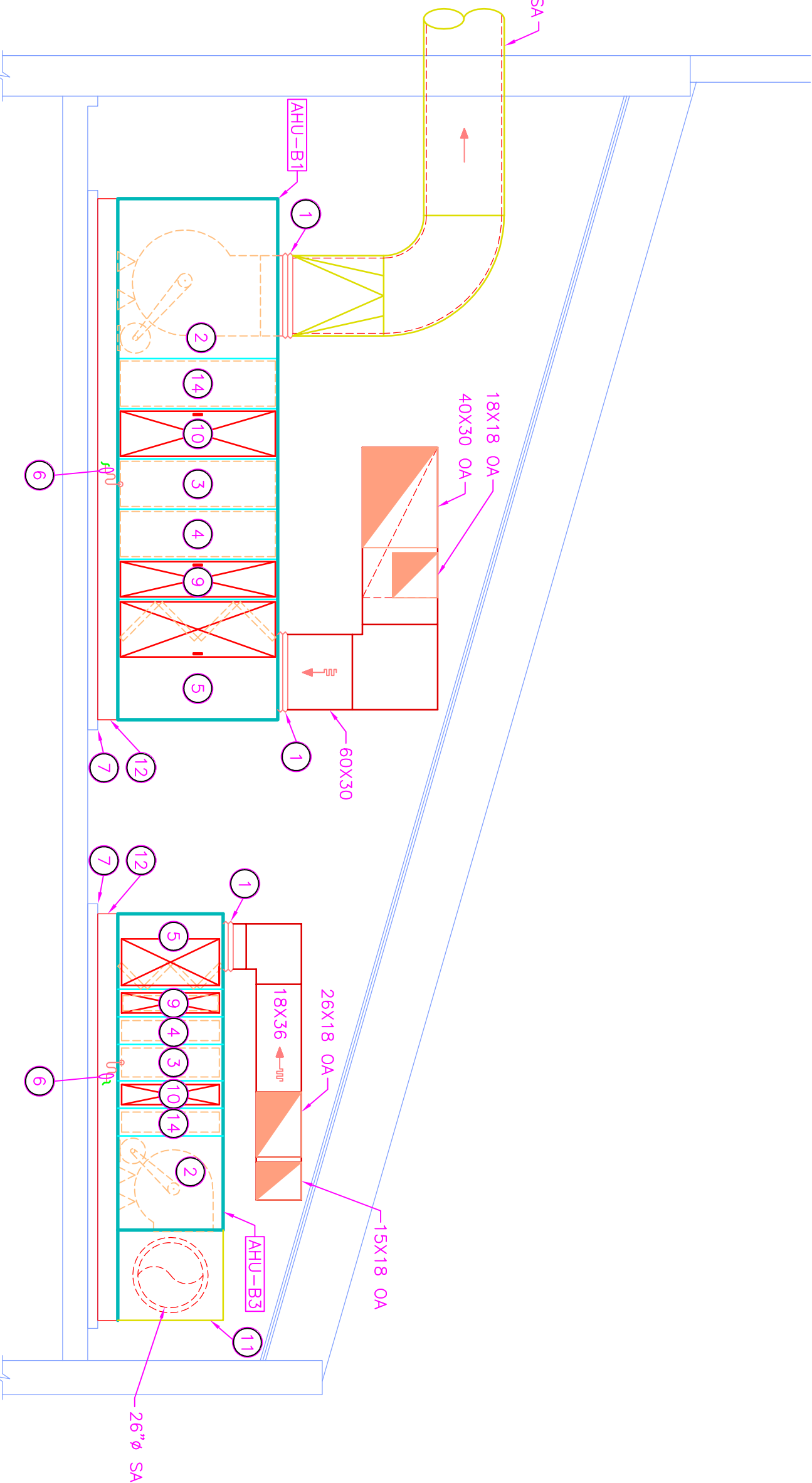
AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"



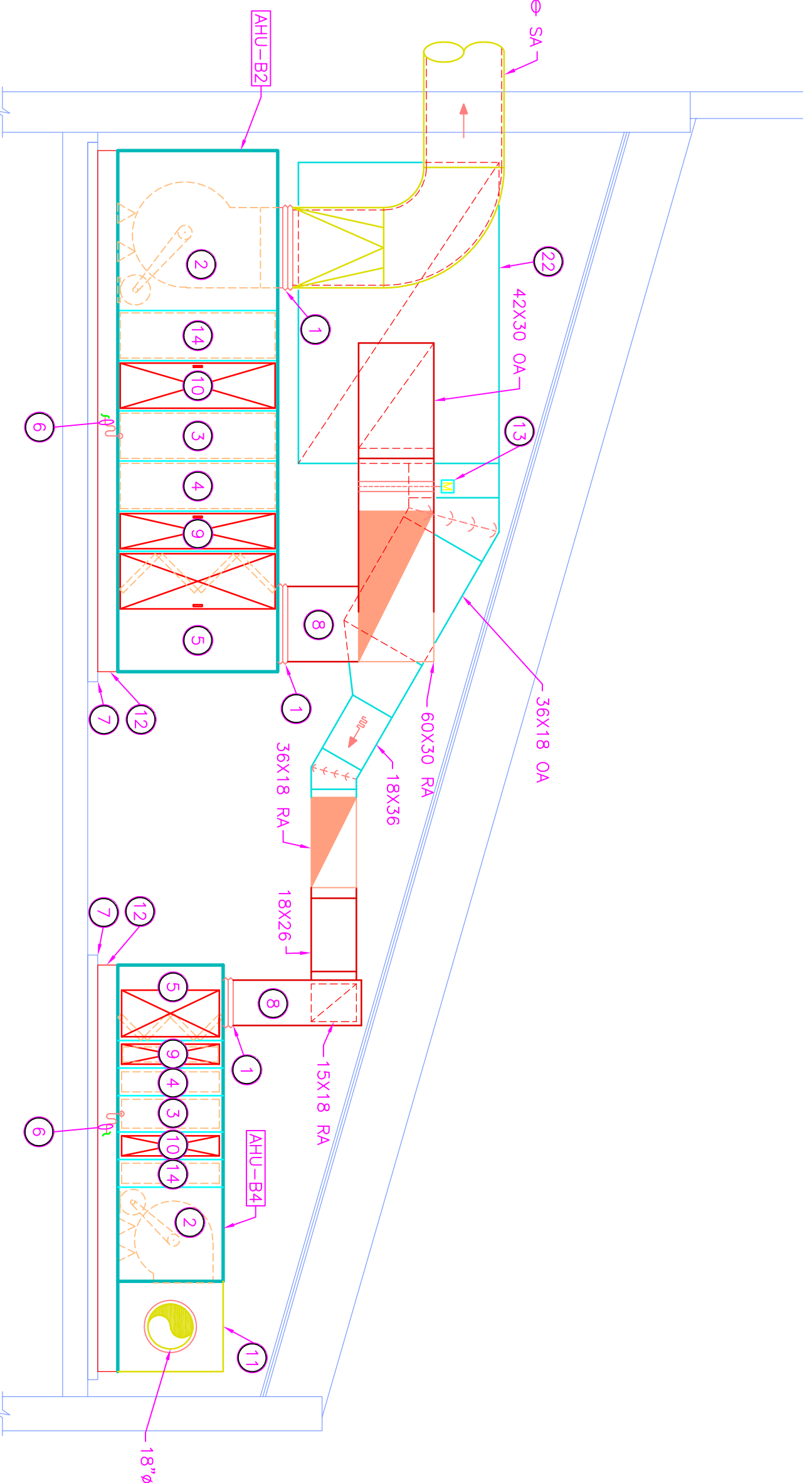
AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"

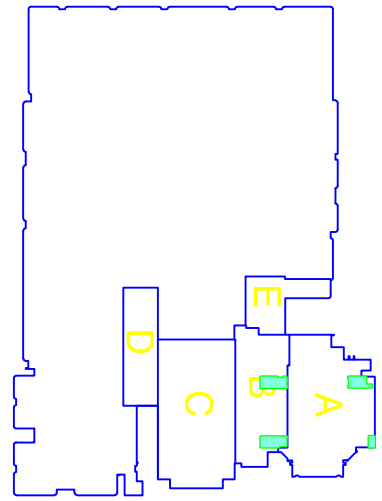


AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"



KEY PLAN



9102 N. Meridian St., Ste. 3000
Indianapolis, IN 46260
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Phone 317.580.5777 Fax 317.580.5778

DATE
03/19/07
COORDINATED BY
RMN
DRAWN BY
WAB
CHECKED BY
CAC

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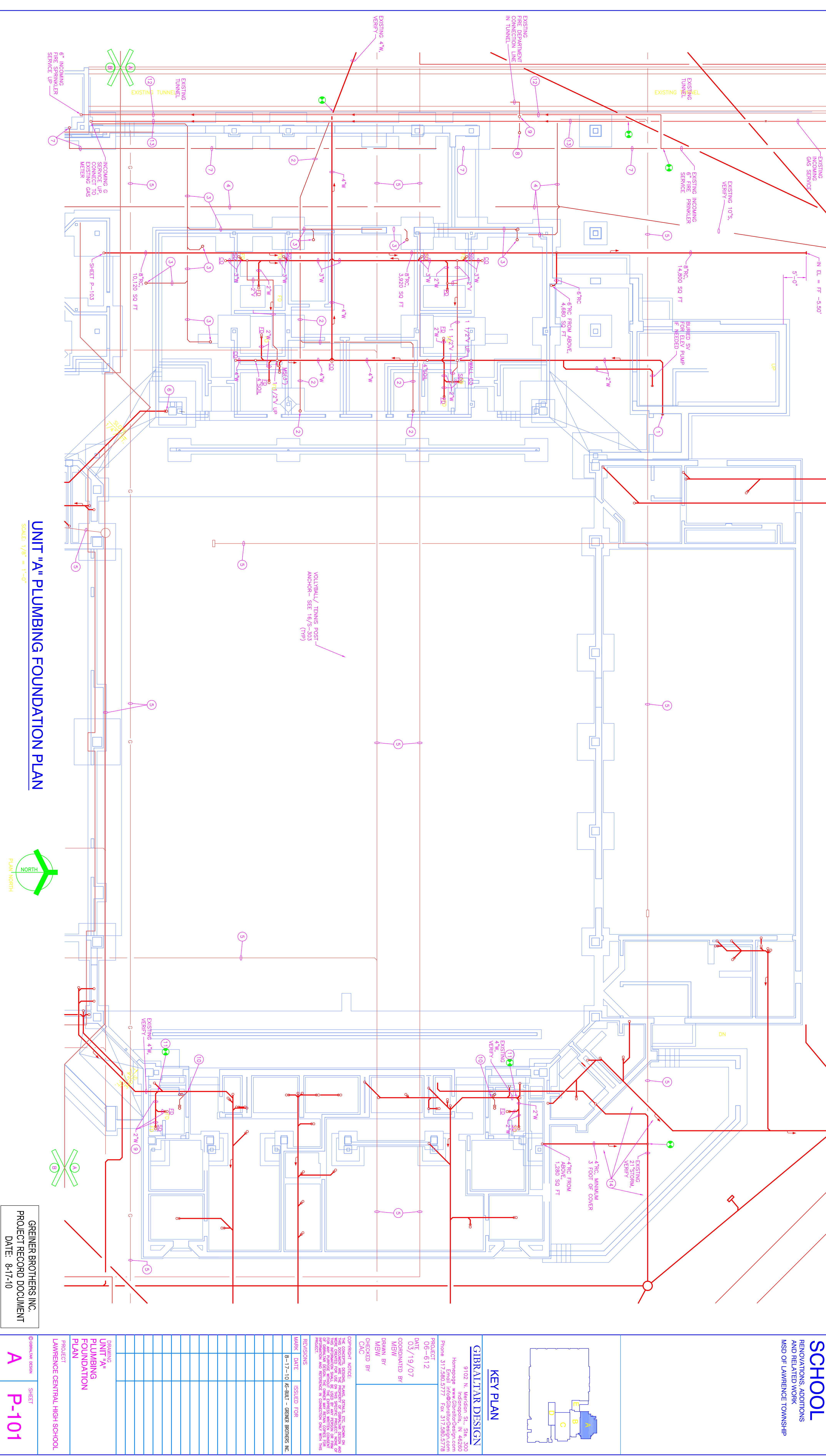
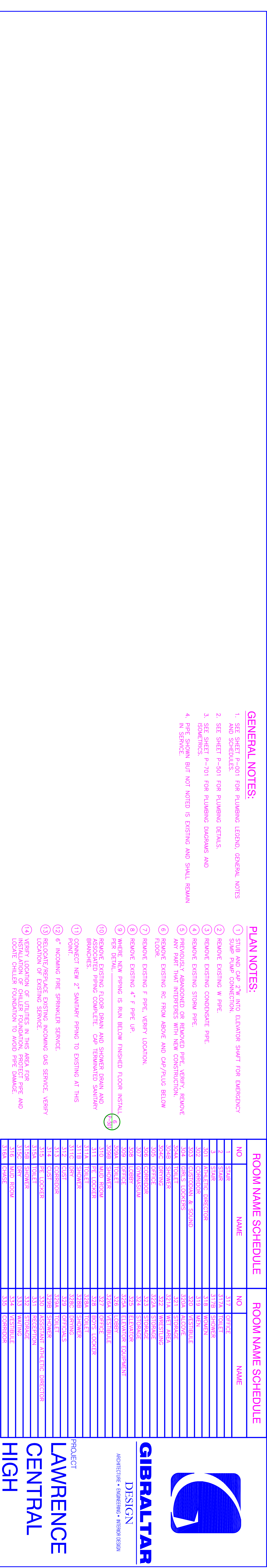
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8-17-10		AS-BUILT - GREINER BROTHERS INC.

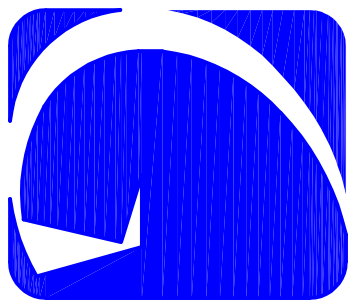
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MECHANICAL ROOMS
322A, 396, 399 & 400
ENLARGED PLANS
AND SECTIONS

CIRCULAR DESIGN SHEET

M-401

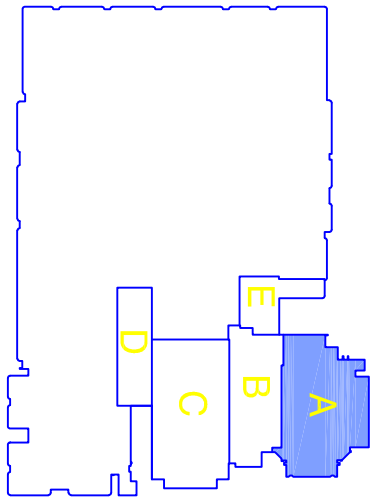




GIBALTAR
DESIGN
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PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**

RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

9102 N. Indiana St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibaltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
06-612
DATE
03/19/07
COORDINATED BY
MBW
DRAWN BY
MBW
CHECKED BY
CAC

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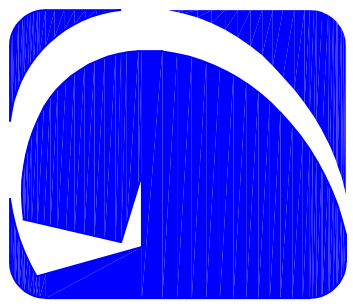
REVISIONS	DATE	ISSUED FOR
MARK	DATE	ISSUED FOR
B-17-10	10-10-10	10-10-10

DRAWING
**UNIT "A" PLUMBING
FIRST FLOOR
PLAN**

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

ROOM NAME SCHEDULE		ROOM NAME SCHEDULE	
NO	NAME	NO	NAME
1	STAIR	317	OFFICE
2	STAIR	318	TOILET
3	STAIR	319	SHOWER
4	ATHLETIC DIRECTOR	320	WOMEN
5	ATHLETIC DIRECTOR	321	WOMEN
6	ATHLETIC DIRECTOR	322	WOMEN
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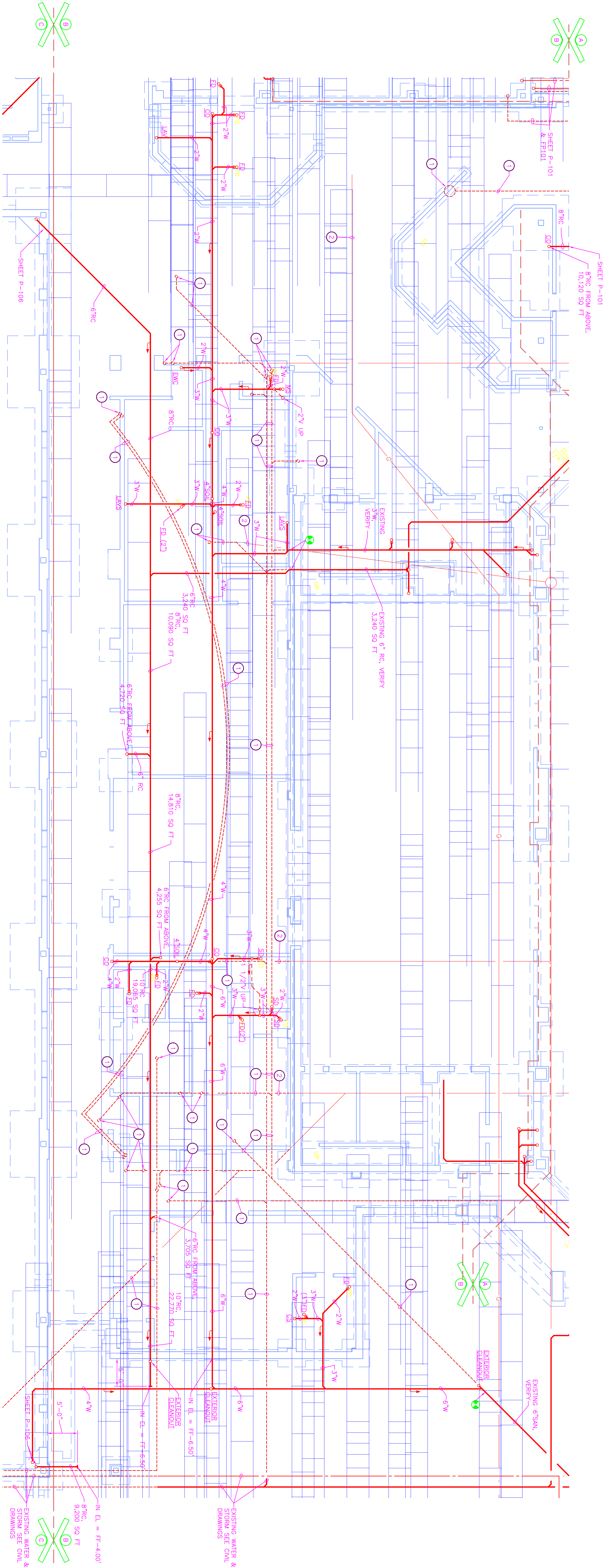


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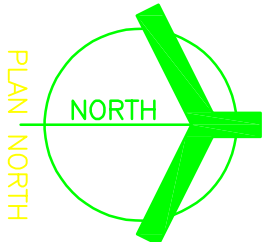
ROOM NAME SCHEDULE	
NO	NAME
1	STAIR
2	STAIR
3	STAIR
330	STORAGE
332	CORRIDOR
333	CORRIDOR
334	CONCRESSION
335	PREPAREDATION
336	LIBRARY
337	LIBRARY
338	LIBRARY
339	LIBRARY
340	LIBRARY
341	LIBRARY
342	LIBRARY
343	STORAGE
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- GENERAL NOTES:**
- SEE SHEET P-101 FOR PLUMBING LEGEND, GENERAL NOTES AND SCHEDULES.
 - SEE SHEET P-501 FOR PLUMBING DETAILS.
 - SEE SHEET P-701 FOR PLUMBING DIAGRAMS AND ISOMETRICS.
 - PIPING SHOWN BUT NOT NOTED ARE EXISTING AND SHOULD REMAIN IN SERVICE.
- PLAN NOTES:**
- REMOVE EXISTING PIPE, RISER, CB, ETC. WHERE SHOWN.
 - PREVIOUSLY ABANDONED OR REMOVED PIPE, VERIFY, REMOVE ANY PORTION THAT INTERFERES WITH NEW CONSTRUCTION.

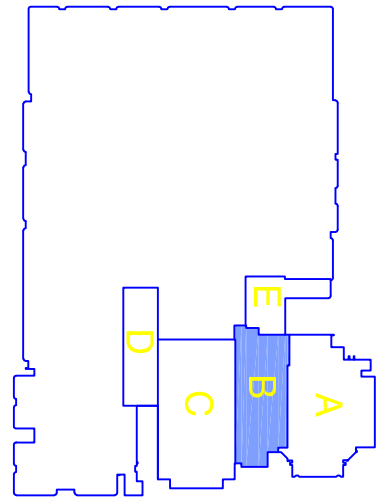


UNIT "B" PLUMBING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10



KEY PLAN

GIBALTAR DESIGN

9102 N. Western St., Ste. 300
Indianapolis, IN 46260
Homepage: www.gibaltardesign.com
Phone: 317.580.5778 Fax: 317.580.5778

PROJECT: 06-612
DATE: 03/19/07
COORDINATED BY: MBW
DRAWN BY: MBW
CHECKED BY: CAC

THE CONTRACTOR'S RESPONSIBILITY IS TO VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REFERENCES TO CONNECTIONS WITH THIS PROJECT.

REVISIONS

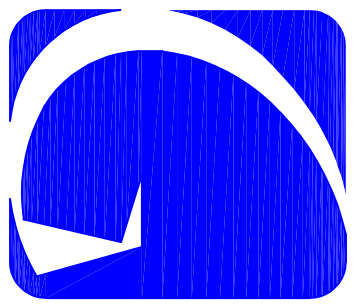
MARK DATE ISSUED FOR

8-17-10 AC-BUT GREINER BROTHERS INC.

**DRAWING:
UNIT "B"
PLUMBING
FOUNDATION
PLAN**

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

© GREINER BROTHERS INC.
B SHEET
P-104



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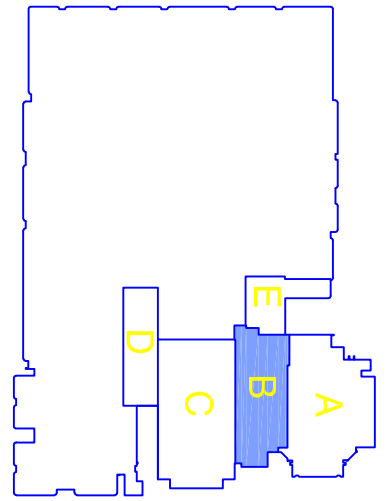
PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP

ROOM NAME SCHEDULE	
NO	NAME
1	STAIR
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100	STAIR

- GENERAL NOTES:**
1. SEE SHEET P-101 FOR PLUMBING LEGEND, GENERAL NOTES AND SCHEDULES.
 2. SEE SHEET P-501 FOR PLUMBING DETAILS.
 3. SEE SHEET P-701 FOR PLUMBING DIAGRAMS AND ISOMETRICS.
 4. PIPING SHOWN BUT NOT NOTED IS EXISTING AND SHALL REMAIN IN SERVICE.

PLAN NOTES:

- 1 ADJUST W, V, AND CW AS REQUIRED AND RAISE ENCL'S AS FIELD VERIFY.
- 2 3/4" CW DROP, 2" W DOWN, 1 1/2" V UP AND 3" THRU ROOF.
- 3 RC FROM RD/OTD ABOVE.
- 4 1/2" TW DROP TO P-10, 1/2" CW AND 1/2" CW DROP TO P-11.
- 5 1/2" TW DROP TO EACH P-10 (TYPICAL OF 5).
- 6 2" V FROM BELOW.
- 7 1 1/2" TW, 1 1/2" CW DROP TO 2" W RISE FROM VALVE. PROVIDE RECESSED WALL CABINET AND PROVIDE INLET BULK VALVES IN CABINET.
- 8 1 1/2" TW, 2 1/2" CW DROP, 4" W DOWN, 4" V UP THRU ROOF.
- 9 EXTEND 1/2" TW AND 1/2" CW FROM CHASE TO SHOWER.
- 10 3/4" CW FROM BELOW. PROVIDE SERVICE VALVE AND HB.
- 11 3/4" CW DROP, 2" W DOWN, 2" V RISER.
- 12 3/4" TW AND 1/2" CW DROP, 1 1/2" V FROM BELOW.
- 13 3/4" TW AND 1/2" CW DROP, 3" W DOWN AND 2" V RISER. EXTEND TO ALL LANS.
- 14 4" W DOWN, 4" V UP AND THRU ROOF.
- 15 CAP EXISTING CW AT 24" A.F.F. AND PROVIDE HB.
- 16 FLUSH VALVE TRANSFORMER LOCATION, BD AS AN ALTERNATE.
- 17 2 1/2" CW DROP VALVE AND HEADER IN CHAS WITH WATER HAMMER ARRESTOR.
- 18 1/2" TW AND 1/2" CW DROP, 2" W DOWN AND 1 1/2" V RISE.
- 19 PLACE SINKAGE ON FIXTURE AND PLACE FIXTURE OUT OF CHASE. PROVIDE RECESSED WALL CABINET AND PROVIDE INLET BULK VALVES IN CABINET. AFTER UTILITIES IN UNIT "B" ARE INSTALLED AND OPERATIONAL, PLACE FIXTURE BACK INTO SERVICE.



KEY PLAN

GIBALTAR DESIGN

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PROJECT: 06-612
DATE: 03/19/07
COORDINATED BY: MBW
DRAWN BY: MBW
CHECKED BY: CAC

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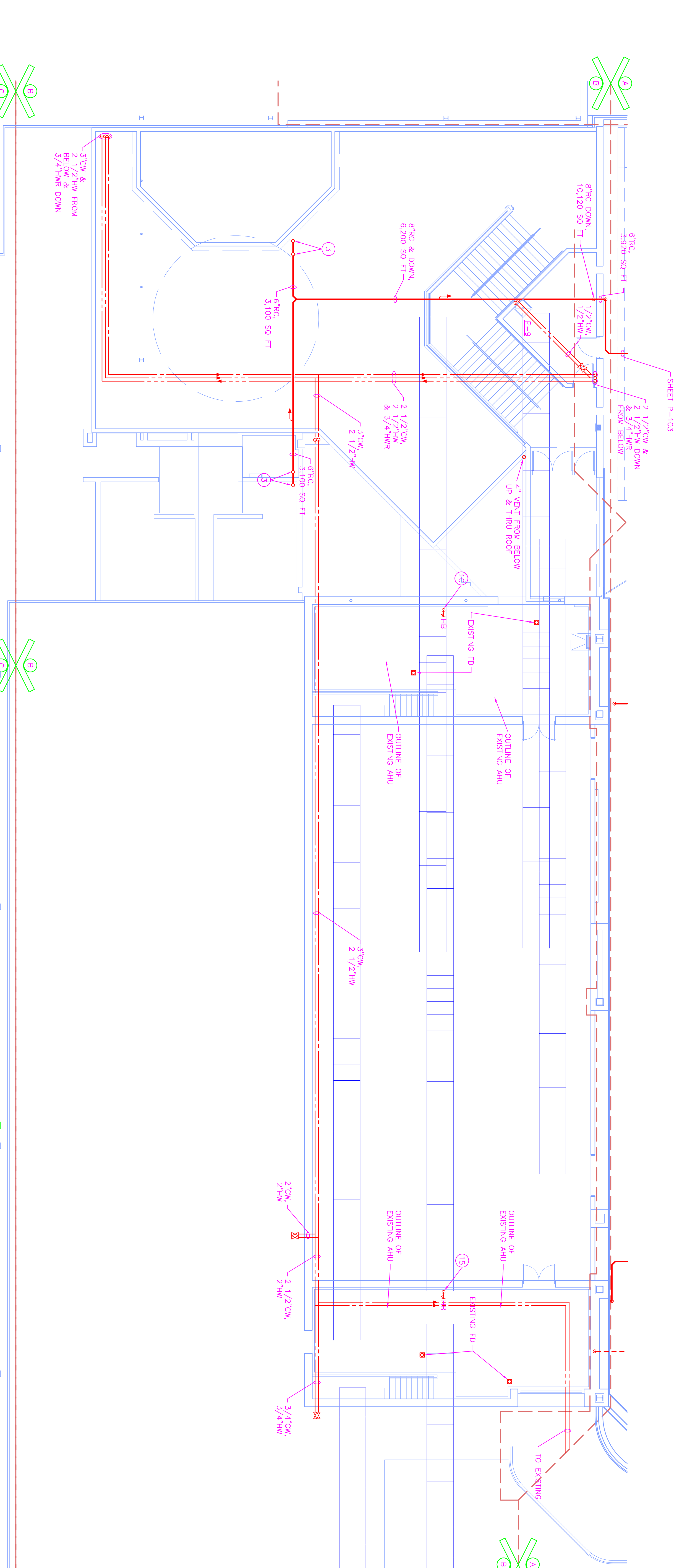
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DRAWING:
**UNIT "B" PLUMBING
FIRST FLOOR AND
SECOND FLOOR
PLAN**

PROJECT:
LAWRENCE CENTRAL HIGH SCHOOL

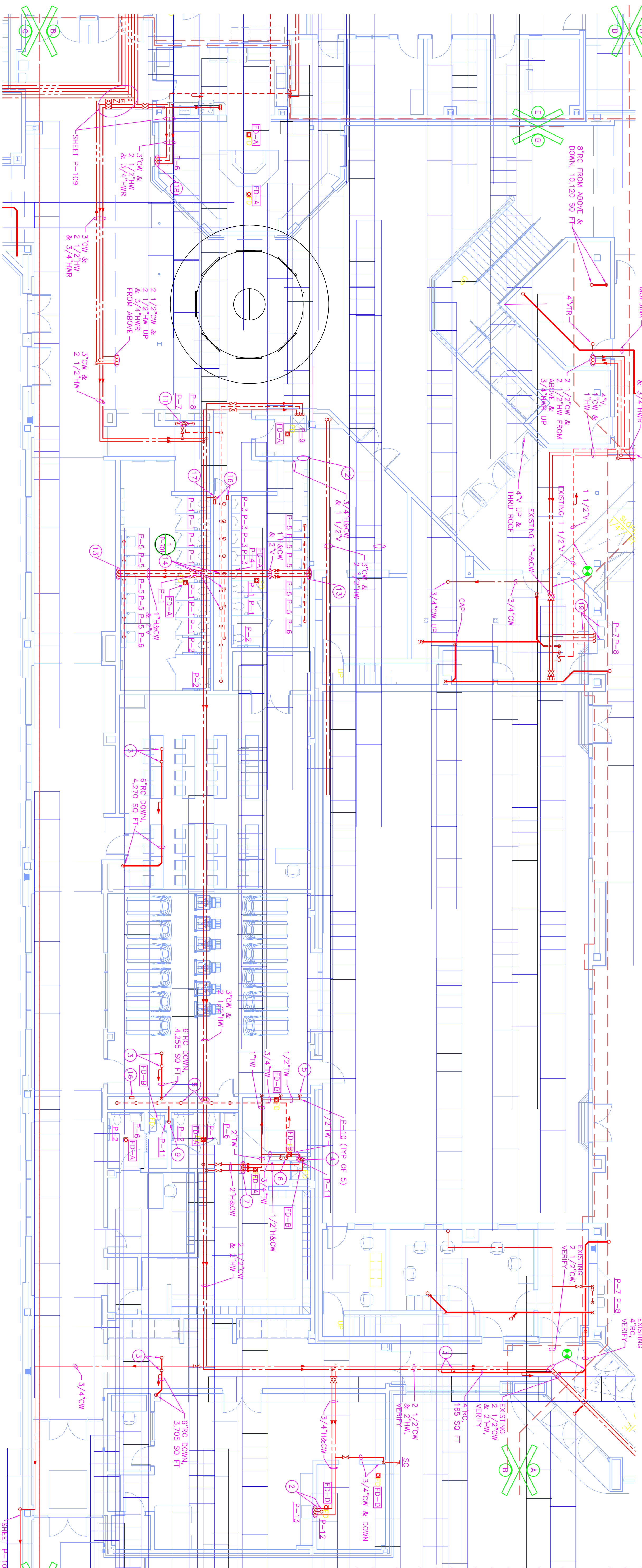
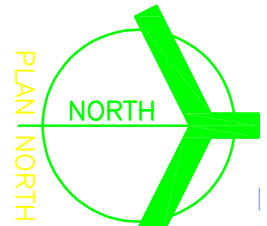
GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

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B
P-105



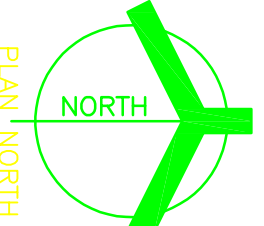
UNIT "B" PLUMBING SECOND FLOOR PLAN

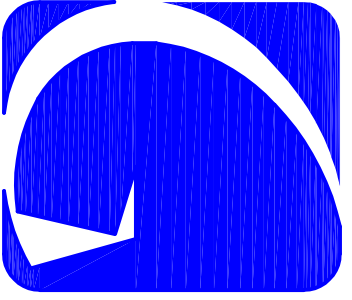
SCALE: 1/8" = 1'-0"



UNIT "B" PLUMBING FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

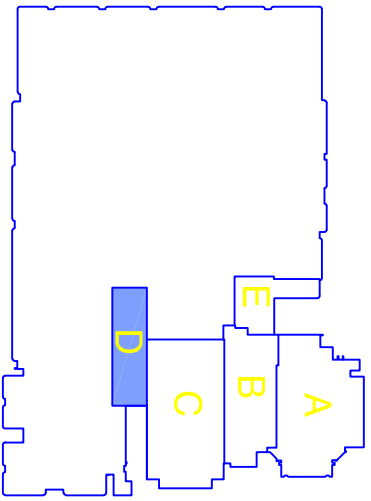




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PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

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PROJECT: 06-612
DATE: 03/19/07
COORDINATED BY: MBW
DRAWN BY: MBW
CHECKED BY: CAC

THE CONTRACTOR'S RESPONSIBILITY IS TO VERIFY THE EXISTING CONDITIONS AND TO PROVIDE THE NECESSARY DETAILS FOR THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

REVISIONS

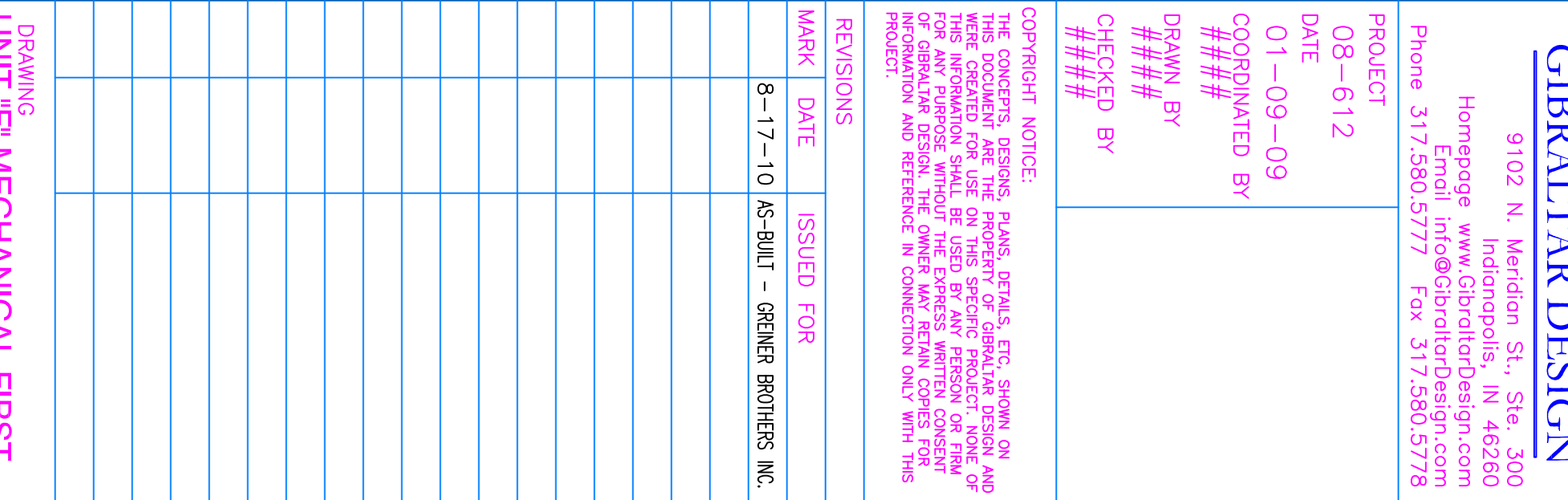
MARK	DATE	ISSUED FOR
8-17-10	KE-BULL	GREINER BROTHERS INC.

DRAWING:
UNIT "D"
PLUMBING
FOUNDATION & FIRST FLOOR
PLANS

PROJECT:
LAWRENCE CENTRAL HIGH SCHOOL

GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

ROOM NAME SCHEDULE	
NO	NAME
365	CORRIDOR
366	CLASSROOM
367	CLASSROOM
368	CLASSROOM
369	CORRIDOR
370	CORRIDOR
371	GYMNASIICS
371A	STORAGE



PROJECT
RENOVATION OF
EXISTING
BOYS AND
GIRLS P.E.
LOCKER
ROOMS AT
LCHS AND
RELATED
WORK



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PROJECT	08-612
DATE	01-09-09
COORDINATED BY	#####
DRAWN BY	#####
CHECKED BY	#####

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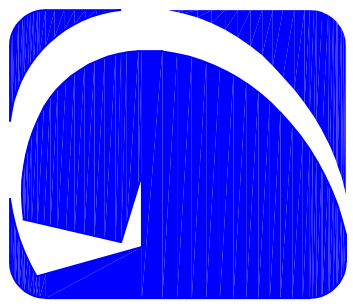
DRAWING
UNIT "F" MECHANICAL FIRST
FLOOR PLAN

**PROJECT
RENOVATION OF EXISTING BOYS' &
GIRLS' PE LOCKER ROOMS &
RELATED AREAS**

GENERAL NOTE:

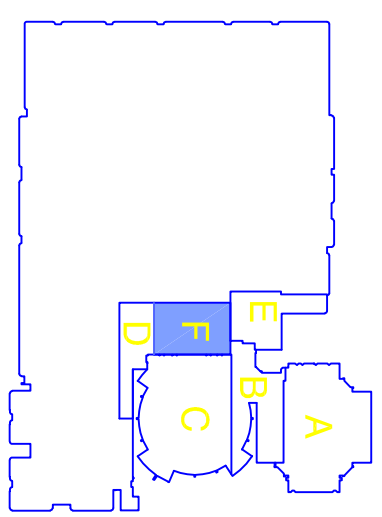
GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

WORK INCATED ON THESE DRAWINGS IS TYPICALLY SPECIFIED IN THE SPECIFICATIONS, FOR PROJECT NUMBER 06-612. REFERENCE THAT DOCUMENT FOR THE MAJORITY OF THE WORK. ADDITIONAL SPECIFICATION SECTIONS HAVE BEEN ADDED FOR WORK THAT IS NOT COVERED THEREIN, ALSO REFER TO THE CONSTRUCTION DOCUMENT DRAWINGS FOR PROJECT NUMBER 06-612 FOR GENERAL NOTES, GENERAL RENOVATION NOTES, SYMBOL, SCHEDULES, AND EQUIPMENT SCHEDULES WHICH APPLY TO THE WORK INCATED ON THIS DRAWING.



PROJECT
RENOVATION OF
EXISTING
BOYS AND
GIRLS P.E.
LOCKER
ROOMS AT
LCHS AND
RELATED
WORK

KEY PLAN



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REVISIONS		
MARK	DATE	ISSUED FOR
8-17-10		AS-BUILT - GREINER BROTHERS INC.

UNIT "F" PLUMBING FOUNDATION PLAN

PROJECT RENOVATION OF EXISTING BOYS' & GIRLS' PE LOCKER ROOMS & RELATED AREAS

P-101

GENERAL NOTE:

WORK ON THESE DRAWINGS IS TYPICALLY SPECIFIED IN THE SPECIFICATIONS FOR PROJECT NUMBER 08-612. REFERENCE THAT DOCUMENT FOR THE MAJORITY OF THE WORK. ADDITIONAL SPECIFICATION SECTIONS HAVE BEEN ADDED FOR WORK THAT IS NOT COVERED THEREIN.

GENERAL PLUMBING NOTES:

1. SEE SHEET P-001 FOR GENERAL PLUMBING NOTES, LEGEND, SCHEDULES AND DETAILS.
2. PIPING SHOWN BUT NOT NOTED IS EXISTING AND SHALL REMAIN IN SERVICE.

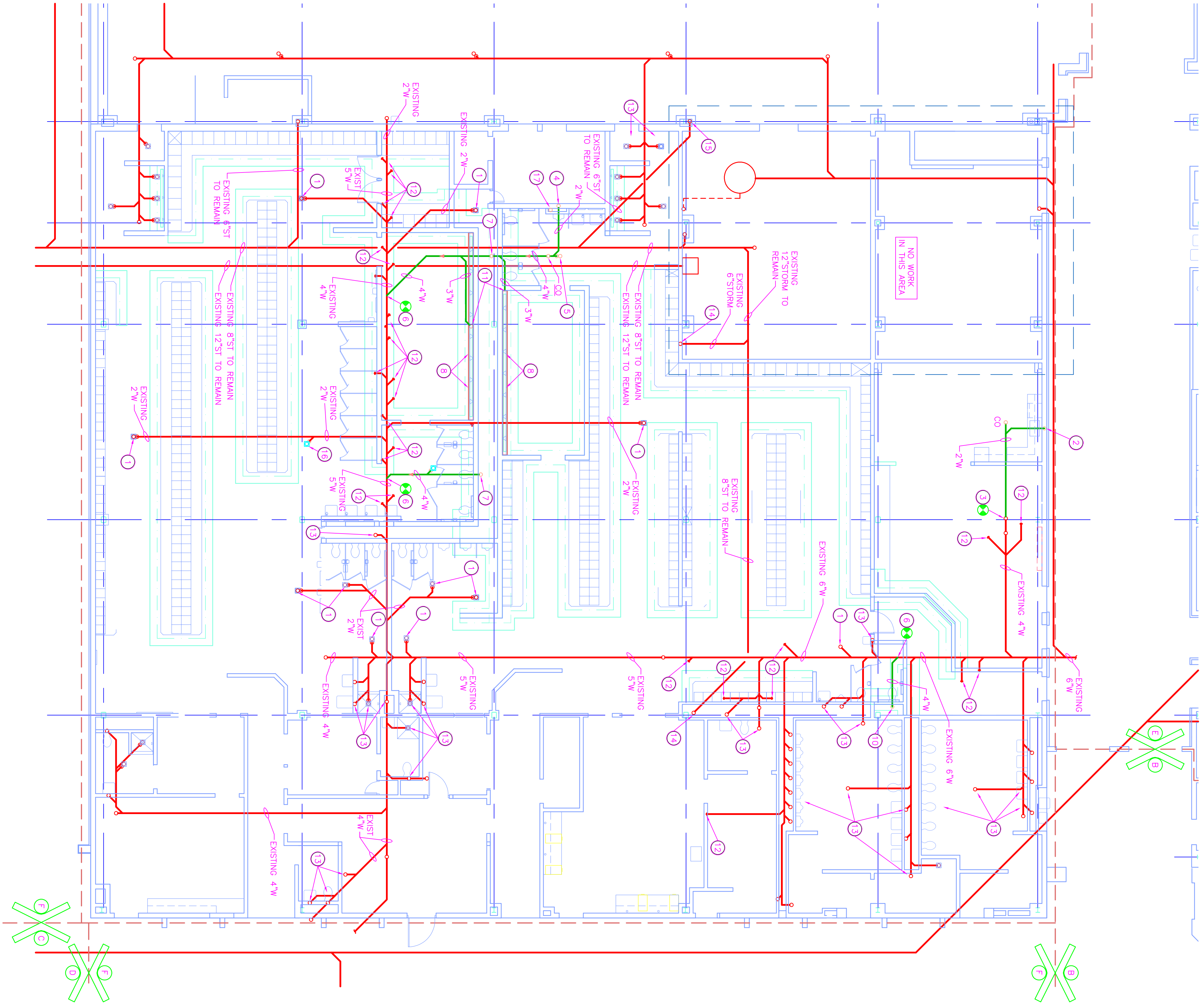
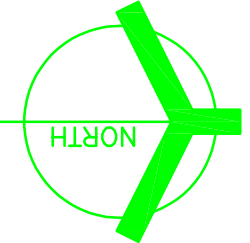
3. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL CUTTING REQUIRED TO MODIFY AND/OR INSTALL PIPING AS SHOWN. PLUMBING CONTRACTOR IS ALSO RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL REPAIR AFTER WORK IS COMPLETED. ALL FLOOR/WALL REPAIR MUST MATCH EXISTING AND BE FINISHED AND READY FOR NEW FLOOR/WALL FINISHES.

PLAN NOTES:

- 1 EXISTING GROUND DRAIN TO REMAIN.
- 2 2"W. UP TO SERVE NEW SINK.
- 3 CONNECT NEW 2"W. TO EXISTING 4"W. AT THIS POINT.
- 4 NEW 2"W. UP TO SERVE URINAL.
- 5 NEW 2"W. UP TO SERVE FLOOR DRAIN.
- 6 CONNECT NEW 4"W. TO EXISTING 4"W. AT THIS POINT.
- 7 NEW 4"W. UP IN CHASE TO SERVE WATER CLOSETS.
- 8 TRENCH TYPE SHOWER DRAIN.
- 9 NEW FLOOR DRAIN.
- 10 NEW 4"W. UP TO SERVE WATER CLOSET.
- 11 3"W. CONNECTION TO TRENCH DRAIN.
- 12 CAPED EXISTING WASTE, SEE PLUMBING DEMOLITION PLAN PG-101 TO REMAIN IN SERVICE.
- 13 EXISTING WASTE LINES SERVING EXISTING FIXTURES TO REMAIN SHALL REMAIN IN SERVICE.
- 14 EXISTING 6" STORM DS. TO REMAIN.
- 15 EXISTING 4" STORM DS. TO REMAIN.
- 16 NEW FLOOR DRAIN, LINE UNDER FLOOR.
- 17 2"W. UP.

UNIT "F" PLUMBING FOUNDATION PLAN

SCALE 1/8" = 1'-0"



GENERAL NOTES:

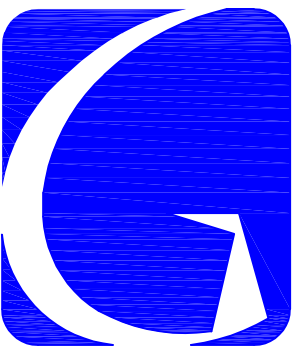
1. SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS MD101 THROUGH MD106 FOR DEMOLITION DRAWINGS.

PLAN NOTES:

- ① 54"X54" RETURN AIR GRILLE, INSTALL IN RETURN AIR DUCT AT 6" ABOVE BOTTOM OF DUCTWORK.
- ② 70"X24" RETURN AIR DUCT FROM 12'-0" ABOVE FLOOR UP TO AIR HANDLING UNIT ABOVE, SEE SHEET M-105 FOR CONTINUATION.
- ③ 2"S&R UP. SEE SHEET M-104 FOR CONTINUATION.
- ④ 70"X24" RETURN AIR DUCT FROM 14'-0" ABOVE FLOOR UP TO AIR HANDLING UNIT ABOVE, SEE SHEET M-105 FOR CONTINUATION.
- ⑤ 4"S&R, 5"CH&CHR, 2"D UP. SEE SHEET M-105 FOR CONTINUATION.
- ⑥ SEE SHEET M-103 FOR CONTINUATION.

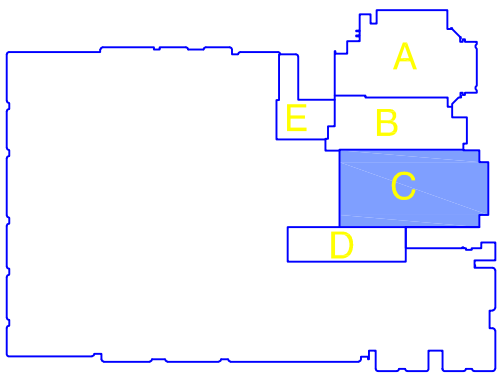
ROOM NAME SCHEDULE

NO	NAME
362	STORAGE
363	MULTI-PURPOSE GYMNASIUM
364	CORRIDOR



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PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN

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PROJECT
06-612
DATE
03/19/07
COORDINATED BY
RWN
DRAWN BY
WAB
CHECKED BY
CAC

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REVISIONS
MARK DATE ISSUED FOR
8-17-10 AS-BUILT - GREINER BROTHERS INC.

DRAWING
UNIT "C" MECHANICAL
FIRST FLOOR PLAN

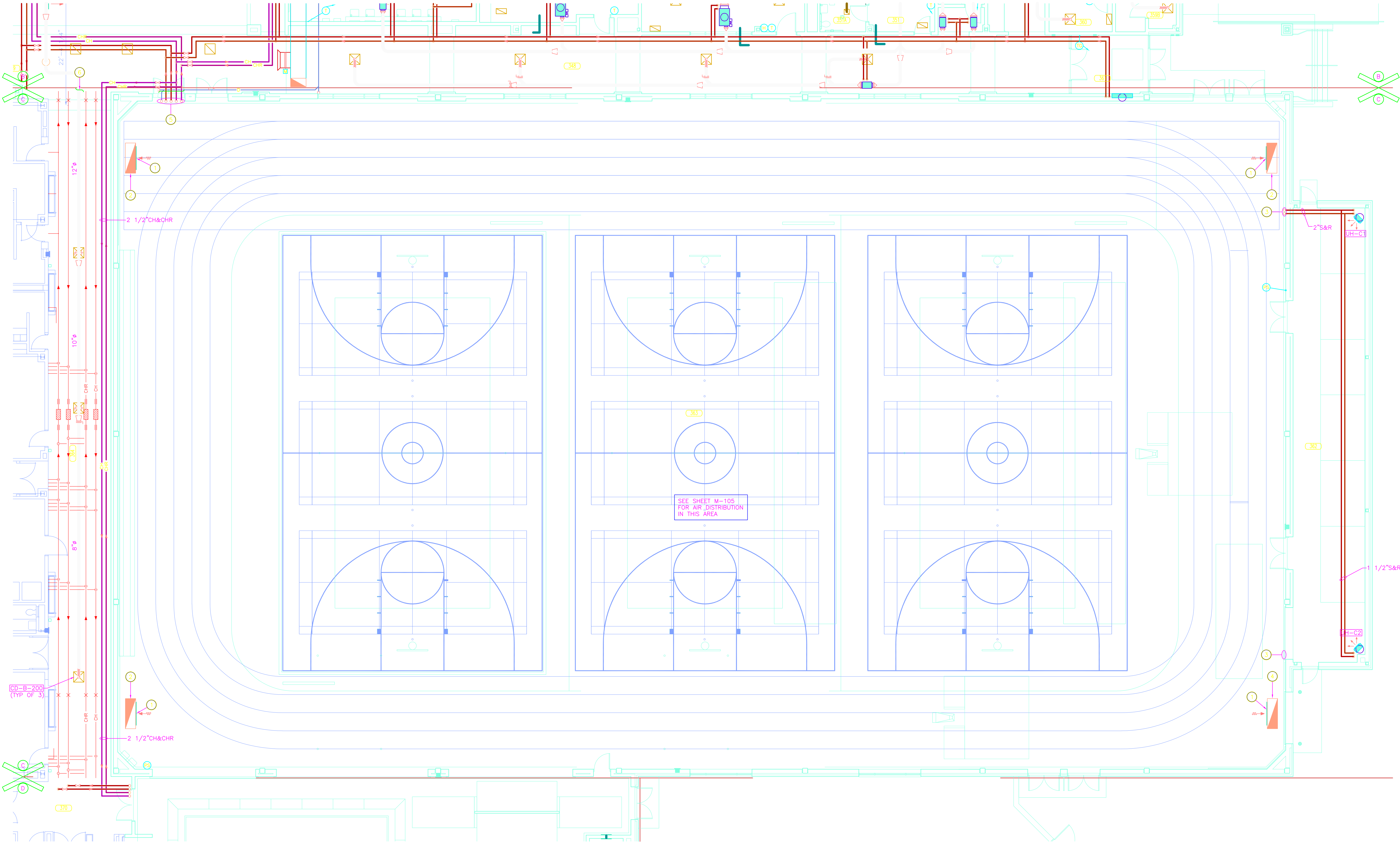
PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GIBALTAR DESIGN SHEET
C M-104

GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

UNIT "C" MECHANICAL FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



Tue, 8/7/2018 10:43:36 pm
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GENERAL NOTES:

1. SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS MD101 THROUGH MD106 FOR DEMOLITION DRAWINGS.

PLAN NOTES:

1. 24"x12" EXHAUST GRILLE, 310 CFM.
2. 6"x6" EXHAUST GRILLE, 60 CFM.
3. 6"x6" EXHAUST GRILLE, 75 CFM.
4. 24"x12" EXHAUST GRILLE, 240 CFM.
5. 6"x6" EXHAUST GRILLE, 110 CFM.
6. 24"x12" EXHAUST GRILLE, 290 CFM.
7. 16"x10" EXHAUST DUCT UP. SEE SHEET M-102 FOR CONTINUATION.
8. 20"x14" EXHAUST DUCT UP. SEE SHEET M-102 FOR CONTINUATION.
9. 24"x12" RETURN AIR GRILL IN CEILING AND OPEN TO RETURN AIR PLENUM.
10. 24"x24" RETURN AIR GRILL IN CEILING AND OPEN TO RETURN AIR PLENUM.
11. SEE SHEET M-401 FOR CONTINUATION.
12. 24"x12" TRANSFER AIR GRILLE. CONNECT TO 16"x8" (LINED) TRANSFER AIR ELBOW AND DUCT. STUB DUCT THRU WALL ABOVE FINISHED CEILING AS INDICATED.
13. 12"x8" (LINED) TRANSFER AIR DUCT UP THRU WALL ABOVE CEILING.
14. 2"S&R, 2 1/2"CH&CHR UP. SEE SHEET M-401 FOR CONTINUATION.

15. 12"x8" SIDEWALL HEAVY DUTY TRANSFER AIR GRILLE. INSTALL GRILLE AT APPROXIMATELY 10'-6" ABOVE FINISHED FLOOR (GRILLE ON STORAGE 323 WALL). CONNECT SHEETMETAL SLEEVE TO GRILLE AND EXTEND THRU WALL TO ABOVE FINISHED CEILING OF WRESTLING 322.
16. 12"x8" SIDEWALL HEAVY DUTY TRANSFER AIR GRILLE. INSTALL GRILLE AT APPROXIMATELY 10'-6" ABOVE FINISHED FLOOR (GRILLE ON STORAGE 324 WALL). CONNECT SHEETMETAL SLEEVE TO GRILLE AND EXTEND THRU WALL TO ABOVE FINISHED CEILING OF WRESTLING 322.
17. 24"x24" EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-A1.
18. 24"x12" EXHAUST GRILLE, 370 CFM.
19. 24"x12" EXHAUST GRILLE, 310 CFM.
20. 12"x6" EXHAUST GRILLE, 175 CFM.
21. 24"x12" EXHAUST GRILLE, 500 CFM.
22. STACK 24"x14" (ABOVE) AND 18"x8" (BELOW) EXHAUST DUCTS.
23. 12"x12" EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN EF-A2.
24. G.A. INTAKE LOUVER BY THE G.C.
25. 2 1/2"S&R, 8"CH&CHR SEE SHEET M-103 FOR CONTINUATION.
26. TEMPERATURE CONTROL PANEL (AHU-A2).
27. VARIABLE FREQUENCY DRIVE (AHU-A2).
28. 1 1/2"S&R TO HEATING COIL AND RE-HEAT COIL.

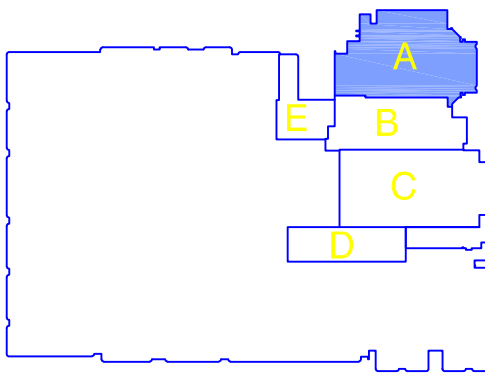
29. NOT USED.
30. NOT USED.
31. NOT USED.
32. EXISTING GYM UNDERFLOOR VENTILATION TRENCH.
33. 1 1/2"S&R AND 2"CH&CHR UP. SEE SHEET M-401 FOR CONTINUATION.
34. SEE SHEET M-103 FOR CONTINUATION.
35. TERMINATE CONDENSATE P-ABOVE MOP SINK.
36. 10"x6" SUPPLY GRILLE, 200 CFM. GRILLE SHALL BE MOUNTED ABOVE CEILING AND DISCHARGE INTO CAVITY BELOW BALCONY.
37. 20"x6" TRANSFER AIR GRILLE. GRILLE SHALL BE MOUNTED ABOVE CEILING AND TRANSFER AIR FROM CAVITY BELOW BALCONY.
38. 24"x20" RA OPENING ON BOTTOM OF DUCT WITH TEMPERATURE CONTROL DAMPER.
39. 12"x12" EXHAUST GRILLE WITH FIRE DAMPER, 650 CFM.
40. 12"x12" TRANSFER AIR GRILLE ON EACH SIDE OF WALL. CONNECT WITH SHEETMETAL SLEEVE AND FIRE DAMPER.
41. ADJUST VOLUME DAMPER, AS NEEDED, TO MAINTAIN A MINIMUM SYSTEM STATIC PRESSURE 0.625" WC.

ROOM NAME SCHEDULE		ROOM NAME SCHEDULE	
NO	NAME	NO	NAME
1	STAIR	317	OFFICE
2	STAIR	317A	TOILET
3	STAIR	317B	SHOWER
301	ATHLETIC DIRECTOR	318	WOMEN
302	CORRIDOR	319	MEN
303	CUSTODIAN & SOUND	320	VESTIBULE
304	GIRLS LOCKERS	320A	ALCOVE
305	BOILER	321	STORAGE
306A	SHOWER	321A	WEL AREA
306B	DRYING	322	WRESTLING
305	OFFICE	322A	STORAGE
306	CORRIDOR	323	STORAGE
307	GYMNASIUM	324	STORAGE
308	CHANGING	325	ELEVATOR
309	OFFICE	325A	ELEVATOR EQUIPMENT
309A	TOILET	326	LOBBY
309B	SHOWER	326A	VESTIBULE
310	MUD ROOM	327	OFFICE
311	EE LOCKER	328	BOYS LOCKER
311A	TOILET	328A	TOILET
311B	SHOWER	328B	SHOWER
311C	DRY	328C	DRYING
312	GUEST	329	OFFICIALS
313	CORRIDOR	329A	TOILET
314	CUSTODIAN	329B	CHANGING
315	EE LOCKER	330	ASSISTANT ATHLETIC DIRECTOR
315A	TOILET	331	RECEPTION
315B	SHOWER	332	STORAGE
315C	DRY	333	WAITING
316	MUD ROOM	334	VESTIBULE
316A	CHASE	335	CORRIDOR



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PROJECT
**LAWRENCE
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MSD OF LAWRENCE TOWNSHIP



KEY PLAN
GIBALTAR DESIGN

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PROJECT
06-612
DATE
03/19/07
COORDINATED BY
RWN
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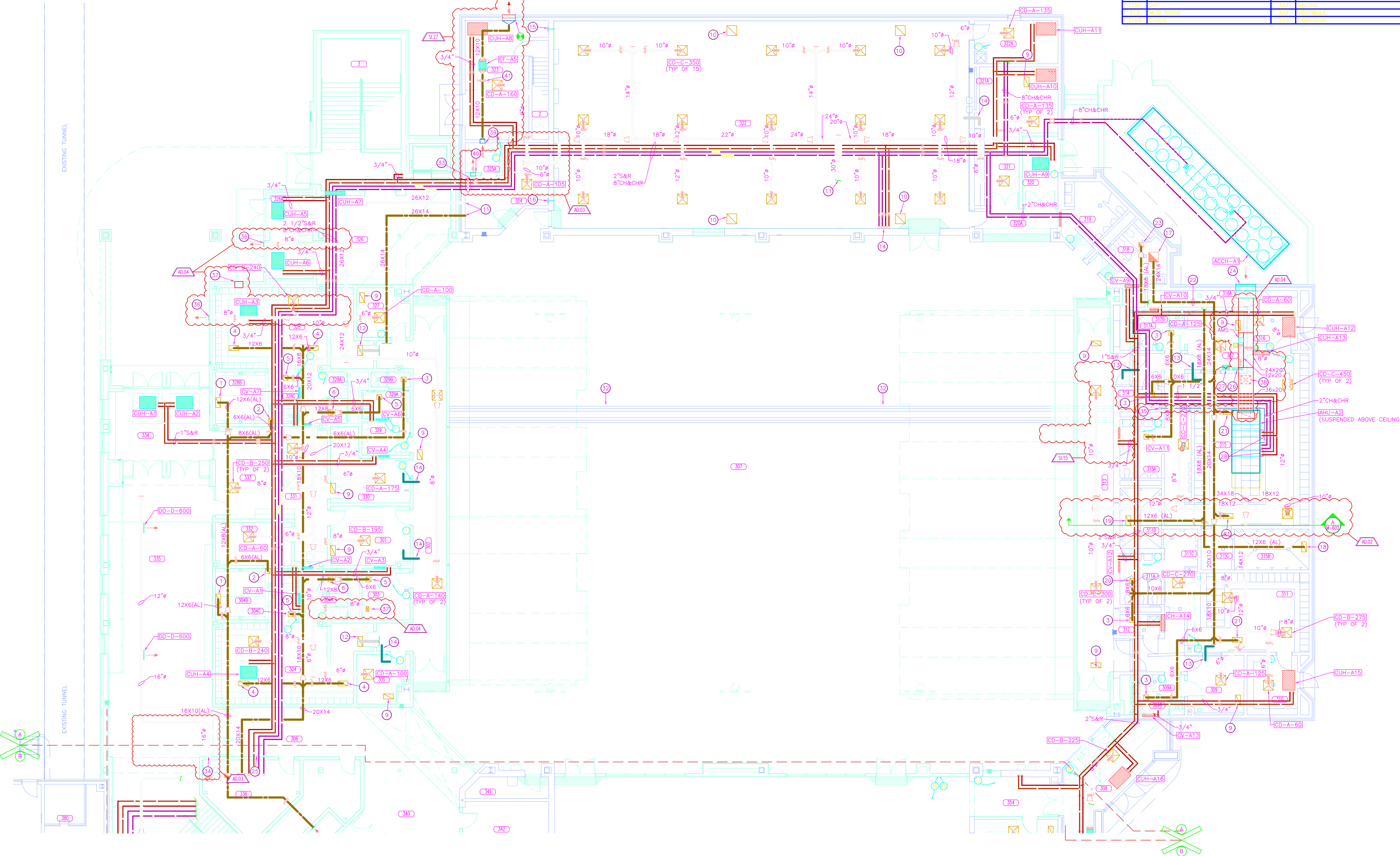
REVISIONS		
MARK	DATE	ISSUED FOR
AD.03	4/06/07	ADDENDUM #3
SL.27	07/15/08	SUPP. INSTR. #27
8-17-10 AS-BUILT - GREINER BROTHERS INC.		

DRAWING
UNIT "A" MECHANICAL
FIRST FLOOR PLAN

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GIBALTAR DESIGN SHEET
A M-101

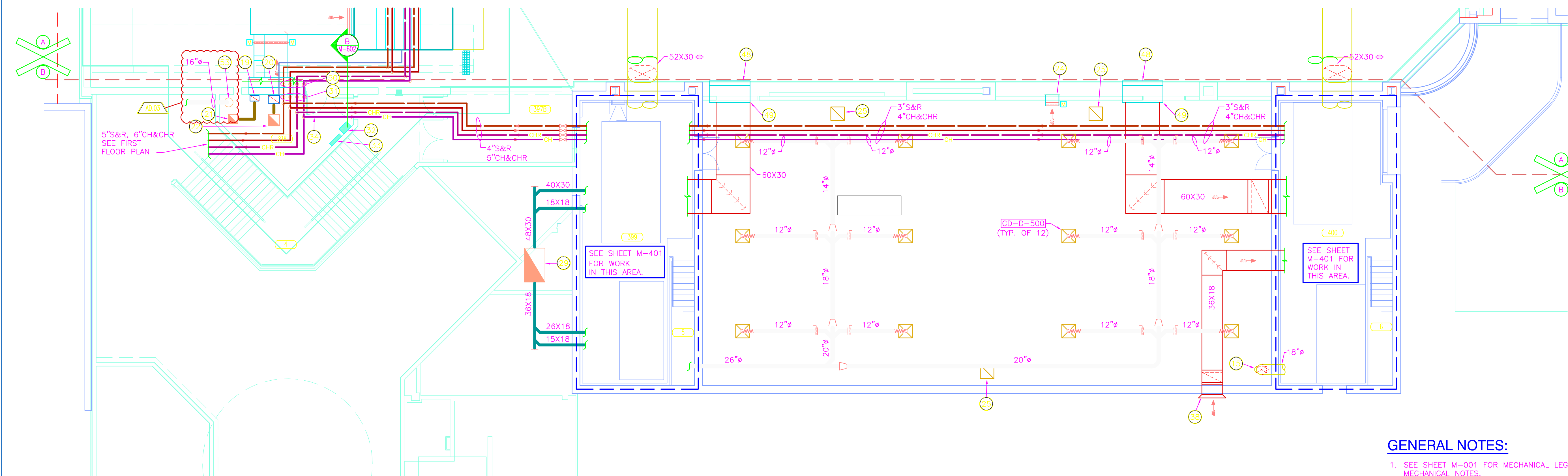
GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10



UNIT "A" MECHANICAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



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UNIT "B" MECHANICAL SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"

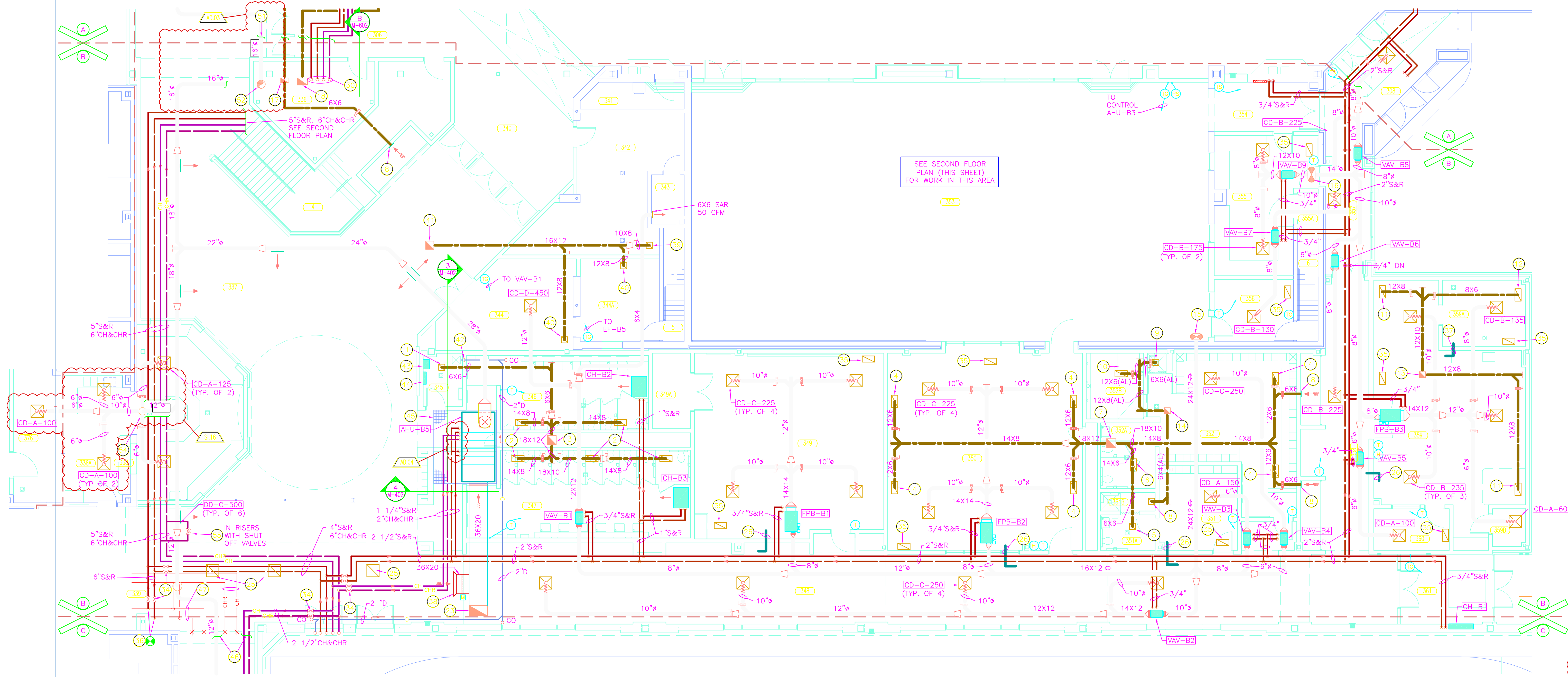


GENERAL NOTES:

1. SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS MD101 THROUGH MD106 FOR DEMOLITION DRAWINGS.

PLAN NOTES:

1. 6"x6" EXHAUST GRILLE, 115 CFM.
2. 24"x12" EXHAUST GRILLE, 435 CFM.
3. 18"x18" EXHAUST DUCT UP THRU ROOF TO EF-B1.
4. 24"x12" EXHAUST GRILLE, 250 CFM.
5. 12"x6" EXHAUST GRILLE, 100 CFM.
6. 24"x12" EXHAUST GRILLE, 190 CFM.
7. 18"x18" EXHAUST DUCT UP THRU ROOF TO EF-B3.
8. 6"x6" EXHAUST GRILLE, 75 CFM.
9. 6"x6" EXHAUST GRILLE, 50 CFM.
10. 24"x12" EXHAUST GRILLE, 300 CFM.
11. 24"x12" EXHAUST GRILLE, 385 CFM.
12. 12"x6" EXHAUST GRILLE, 150 CFM.
13. 12"x12" EXHAUST DUCT UP THRU ROOF TO EF-B4.
14. 12"x12" EXHAUST DUCT UP THRU ROOF TO EF-B2.
15. 24"x12" SUPPLY DUCT UP. SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
16. 14"x12" SUPPLY DUCT UP. SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
17. 16"x10" EXHAUST DUCT UP.
18. 20"x14" EXHAUST DUCT UP.
19. 16"x10" EXHAUST DUCT DOWN.
20. 20"x14" EXHAUST DUCT DOWN.
21. 16"x16" EXHAUST DUCT UP THRU ROOF TO EF-A4.
22. 20"x20" EXHAUST DUCT UP THRU ROOF TO EF-A3.
23. 36"x20" OUTDOOR AIR INTAKE PLENUM UP THRU ROOF TO INTAKE GRAVITY VENTILATOR ON ROOF.
24. 24"x24" RELIEF GRILLE IN WALL AND 24"x24" DUCT TO MOTORIZED RELIEF DAMPER. INSTALL GRILLE AND DUCT AT 16'-0" ABOVE FINISHED FLOOR.
25. 24"x24" EGGRATE RETURN AIR GRILLE IN LAY-IN CEILING AND OPEN TO CEILING PLENUM.
26. 24"x12" TRANSFER AIR DUCT THRU WALL, SEE DETAIL.
27. EXISTING CABINET HEATER, PROVIDE NEW PIPING.
28. EXISTING CONVECTOR, PROVIDE NEW PIPING.
29. 60"x36" DUCT UP TO 60"x36"x48" HIGH OUTDOOR AIR INTAKE PENTHOUSE ON ROOF.
30. 2 1/2"S&R, 8"CH&CHR UP, SEE SECOND FLOOR PLAN THIS SHEET.
31. 2 1/2"S&R, 8"CH&CHR DOWN, SEE FIRST FLOOR PLAN THIS SHEET.
32. VARIABLE FREQUENCY DRIVE, AHU-A5.
33. TEMPERATURE CONTROL PANEL, AHU-A5.
34. PROVIDE SHUT-OFF VALVES IN PIPING MAINS AT THIS LOCATION.
35. 24"x12" EGGRATE RETURN AIR GRILLE IN LAY-IN CEILING AND OPEN TO CEILING PLENUM.
36. CONNECT NEW 6"S&R TO EXISTING 10" MAINS AT THIS LOCATION.
37. 12"x12" TRANSFER AIR DUCT THRU WALL, SEE DETAIL.
38. PROVIDE 6" LONG, 45° FLARED RETURN AIR INLET.
39. 12"x10" EXHAUST GRILLE, 300 CFM.
40. 12"x12" EXHAUST GRILLE, 500 CFM.
41. 16"x16" EXHAUST DUCT UP THRU ROOF TO EF-B5.
42. CONDENSATE DRAIN DOWN, TERMINATE 6" ABOVE MOP SINK BASIN.
43. VARIABLE FREQUENCY DRIVE, AHU-B5.
44. TEMPERATURE CONTROL PANEL, AHU-B5.
45. SERVICE GRATING BY THE MECHANICAL CONTRACTOR.
46. 2 1/2"CH&CHR, SEE SHEET M-106 FOR CONTINUATION.
47. EXISTING PIPING TO REMAIN.
48. 6'-4" X 5'-4" RETURN AIR GRILLE. SEE ARCHITECTURAL PLANS FOR DETAILS.
49. 6'-4" X 5'-4" X 2'-6" DEEP RETURN AIR PLENUM.
50. 2"S&R, 3"CH&CHR UP. SEE SHEET M-102 FOR CONTINUATION.
51. SEE SHEET M-101 FOR CONTINUATION.
52. 16" SUPPLY UP. SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
53. 16" SUPPLY DOWN. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
54. 10" SUPPLY DUCT DOWN TO CONCESSION AREA.
55. TEMPORARY BYPASS VALVE.



UNIT "B" MECHANICAL FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

N.03
N.04
S.02

ROOM NAME SCHEDULE

NO.	NAME
4	STAIR
5	STAIR
6	STAIR
337	CORRIDOR
338	CONCESSION
338A	PREPARATION
339	CORRIDOR
340	LOBBY
341	CUSTODIAN
342	STORAGE
343	STORAGE
344	ELECTRICAL
345	ELECTRICAL
346	GUARD
347	MEN
348	WOMEN
349	CORRIDOR
350	CLASSROOM
351	STORAGE
352	CARDIO
353	OFFICE
354	TOILET
355	SHOWER
356	LOCKER ROOM
357	TOILET
358	SHOWER
359	WEIGHTS
360	ALCOVE
361	COACHES
362	ELECTRICAL
363	OFFICE
364	CORRIDOR
365	CORRIDOR
366	TRAINER
367	WHIRLPOOL
368	STORAGE
369	STORAGE
370	OFFICE
371	VESTIBULE
372	STORAGE
373	ALCOVE
374	STORAGE
375	MECHANICAL
400	MECHANICAL

PROJECT

LAWRENCE
CENTRAL
HIGH
SCHOOL

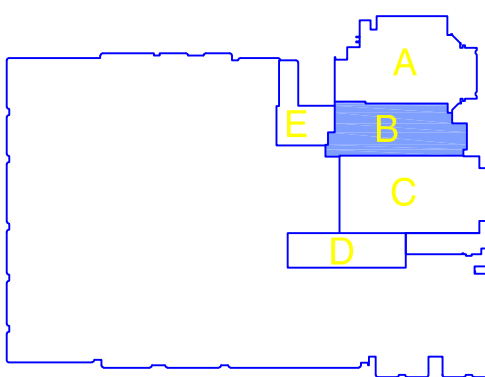
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



GIBRALTAR

DESIGN

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KEY PLAN

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PROJECT

06-612

DATE

03/19/07

COORDINATED BY

RWN

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AD.03	04/06/07	ADDENDUM #3
AD.04	04/12/07	ADDENDUM #4

8-17-10 AS-BUILT - GREINER BROTHERS INC.

DRAWING
UNIT "B" MECHANICAL
FIRST AND SECOND
FLOOR PLANS

PROJECT

LAWRENCE CENTRAL HIGH SCHOOL

GIBRALTAR DESIGN

SHEET

B

M-103

GENERAL NOTES:

1. SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
5. SEE SHEETS MD101 THROUGH MD106 FOR DEMOLITION DRAWINGS.
6. ALL DUCT IN MULTI-PURPOSE GYM (363) SHALL BE 1" DOUBLE WALL INTERALLY INSULATED DUCT AND FITTINGS WITH EXTERIOR PAINT GRIP SURFACE.

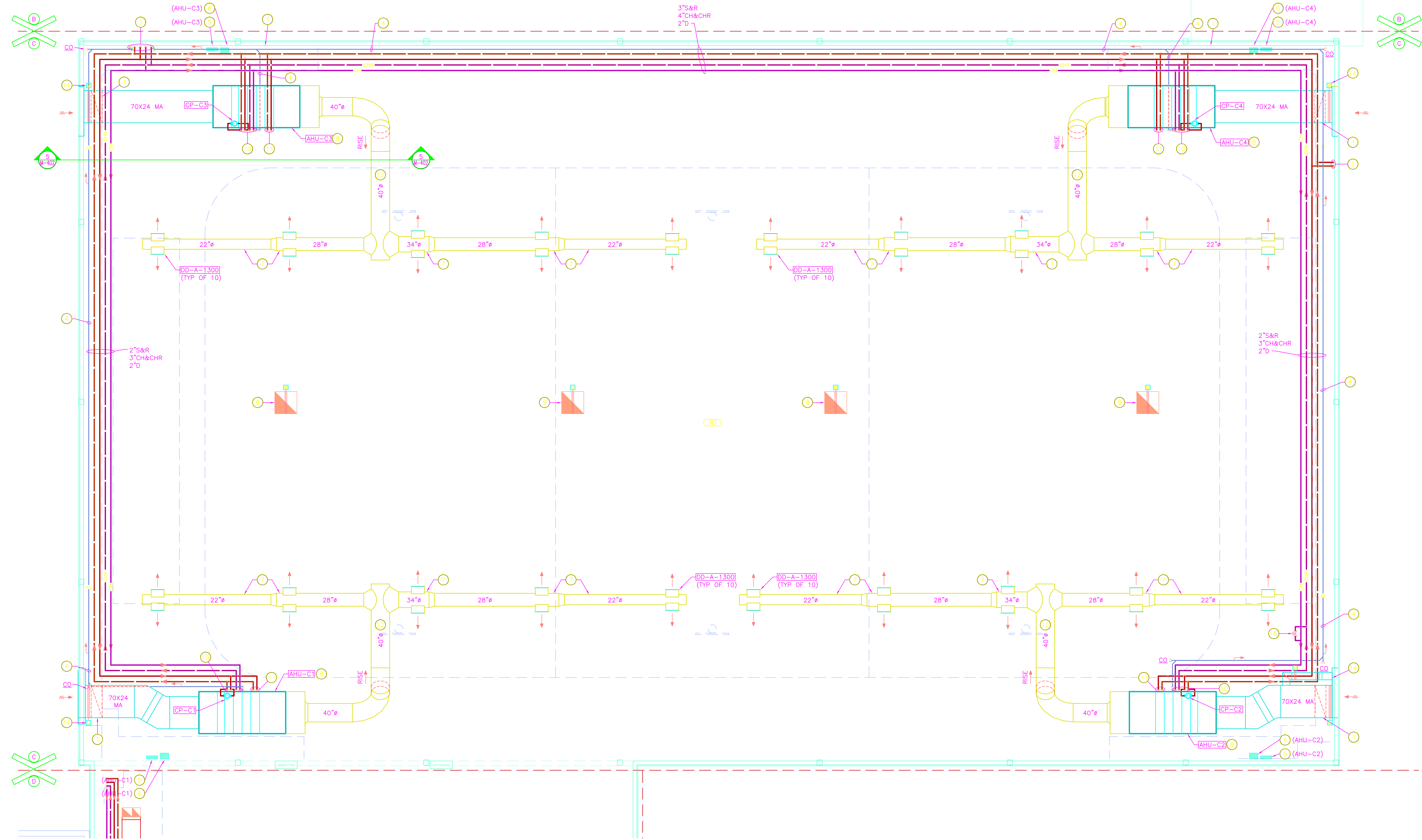
PLAN NOTES:

- 1 70"x24" RETURN AIR DUCT DOWN. SEE SHEET M-104 FOR CONTINUATION.
- 2 2"S&R DOWN. SEE SHEET M-104 FOR CONTINUATION.
- 3 4"S&R, 5"CH&CHR, 2"D DOWN. SEE SHEET M-104 FOR CONTINUATION.
- 4 INSTALL CONDENSATE DRAIN BELOW CATWALK.
- 5 AHU TEMPERATURE CONTROL PANEL (48" ABOVE CATWALK).
- 6 AHU VARIABLE FREQUENCY DRIVE (48" ABOVE CATWALK).
- 7 COORDINATE LOCATION AND SUPPORT OF DUCTWORK THRU TRUSS WEBBING WITH TRUSS MANUFACTURER.
- 8 SUSPEND AIR HANDLING UNIT FROM STRUCTURAL ROOF FRAMING. PROVIDE ALL STRUCTURAL SUPPORTS, SUSPENSION ANGLES, RODS, VIBRATION ISOLATORS, ETC. AS REQUIRED TO SUPPORT UNITS FROM ROOF FRAMING. LOCATE SUSPENSION RODS TO AVOID CONFLICT WITH AHU ACCESS DOORS.
- 9 48"x48" DUCT WITH 48"x48" MOTORIZED RELIEF AIR DAMPER, UP TO GRAVITY RELIEF AIR VENTILATOR ON ROOF. MOTORIZED DAMPER SHALL BE CONTROLLED BY BUILDING PRESSURE SENSOR LOCATED IN FIELDHOUSE BELOW.

- 10 2" S&R, 3"CH&CHR DOWN TO AIR HANDLING UNIT COILS.
- 11 2" S&R DOWN TO AIR HANDLING UNIT COIL.
- 12 DUCT SHALL BE INSTALLED UP BETWEEN STRUCTURAL MEMBERS. FIELD VERIFY CONDITIONS AND STRUCTURAL MEMBERS/WEBBING.
- 13 4'-0" X 4'-0" X 1'-6" DEEP OUTDOOR INTAKE PLENUM. CONSTRUCT PLENUM WITH 1" DOUBLE WALL INSULATED PANELS. SLOPE BOTTOM 6" TOWARD LOUVER TO DRAIN. PROVIDE 18"x24" ACCESS DOOR. CONNECT DUCT TO PLENUM WITH 6"-45° FLARED INLET.
- 14 MOTORIZED CONTROL DAMPER.
- 15 4" CHILLED WATER BYPASS LINE.

ROOM NAME SCHEDULE

NO.	NAME
363	MULTI-PURPOSE GYMNASIUM



UNIT "C" MECHANICAL SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"



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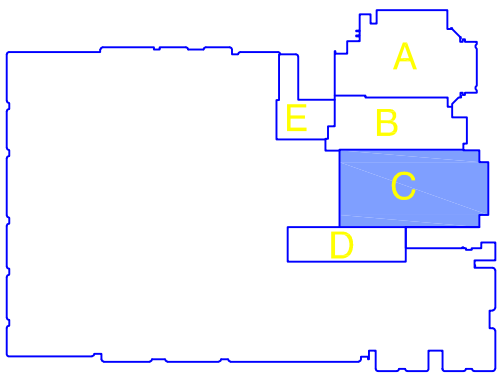
DESIGN

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PROJECT

LAWRENCE
CENTRAL
HIGH
SCHOOL

RENOVATIONS, ADDITIONS
AND RELATED WORK
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KEY PLAN

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PROJECT

06-612

DATE

03/19/07

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UNIT "C" MECHANICAL
SECOND FLOOR PLAN

PROJECT

LAWRENCE CENTRAL HIGH SCHOOL

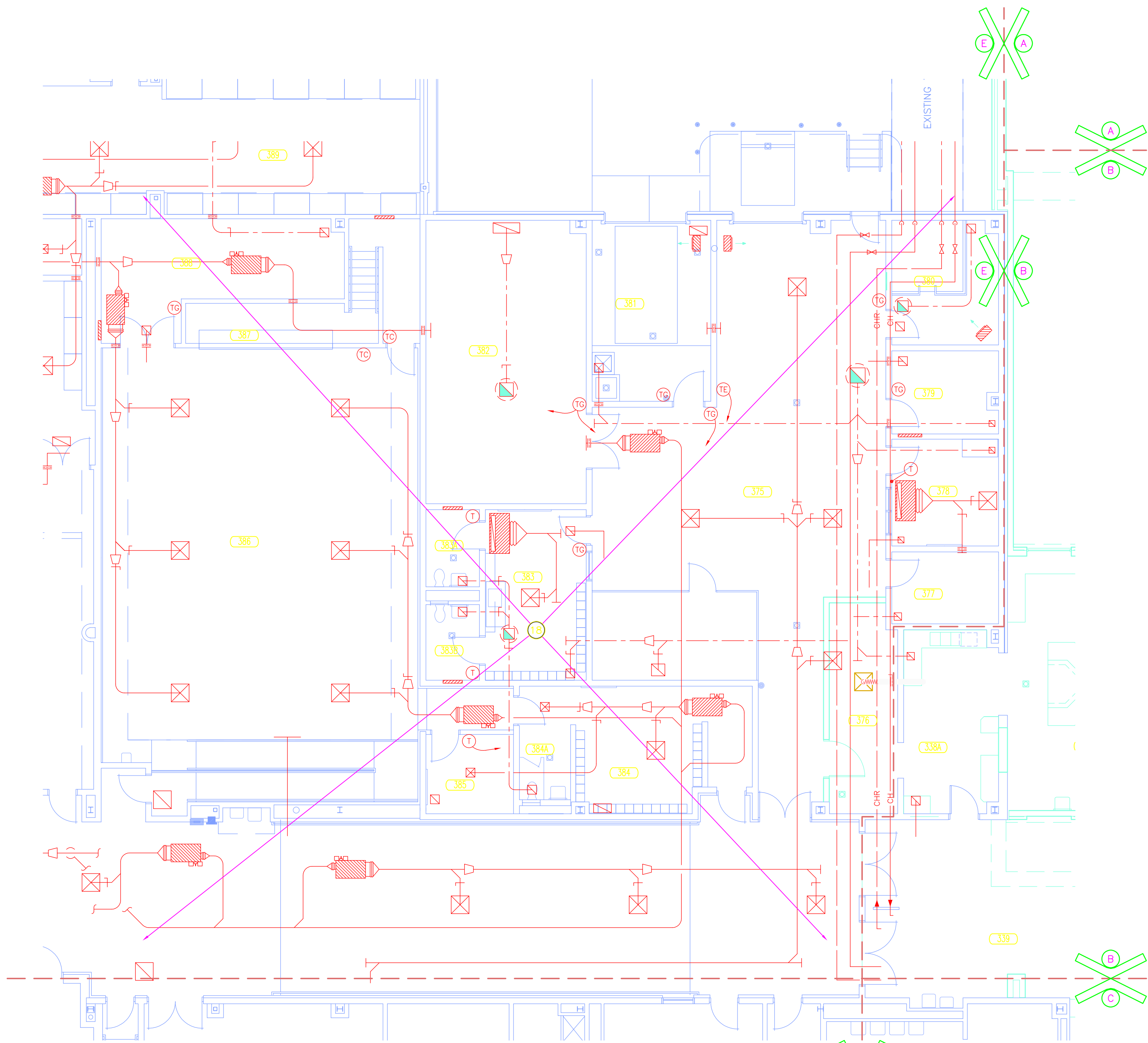
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C

SHEET

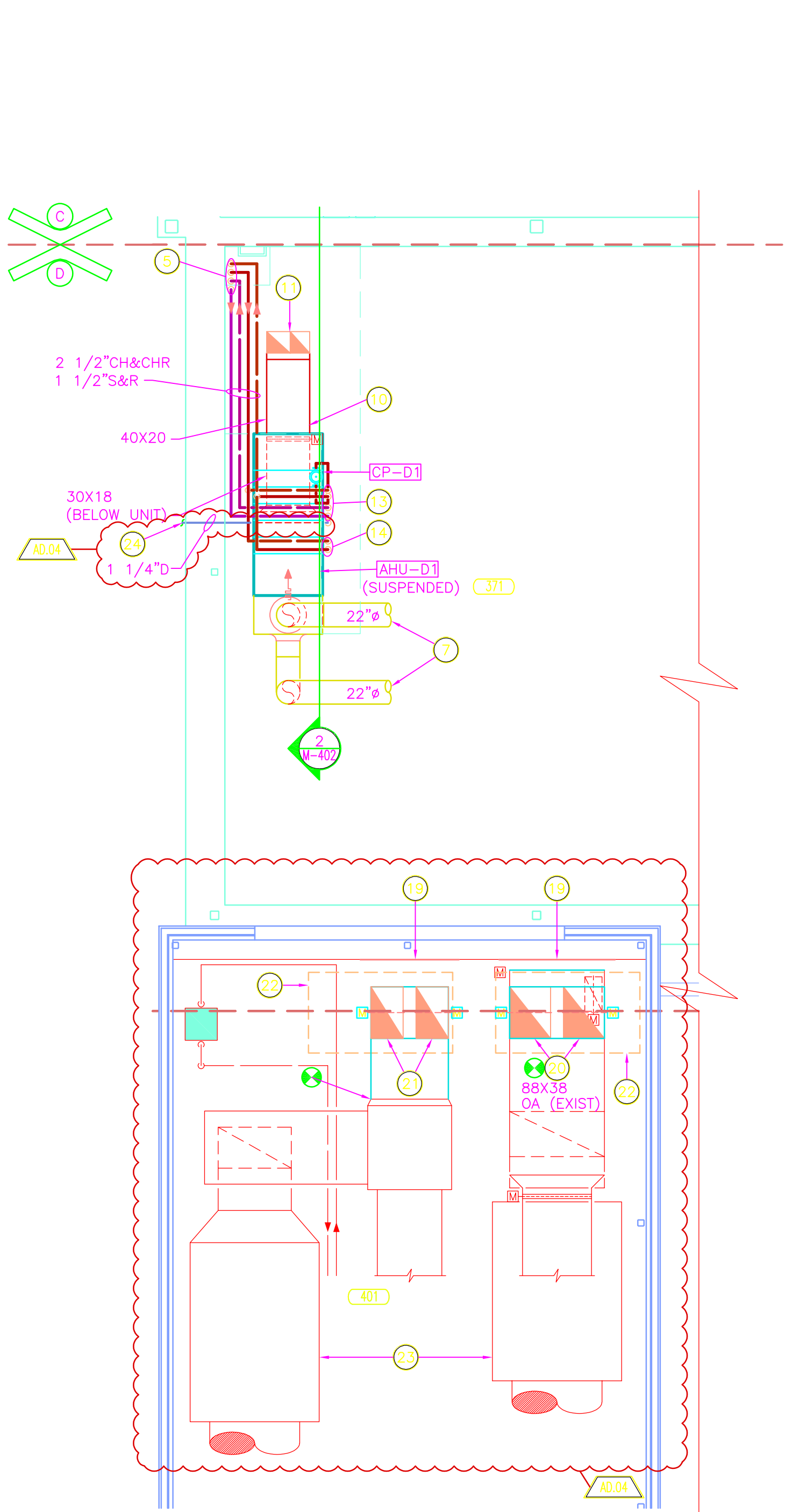
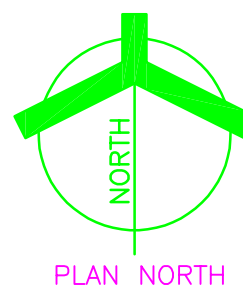
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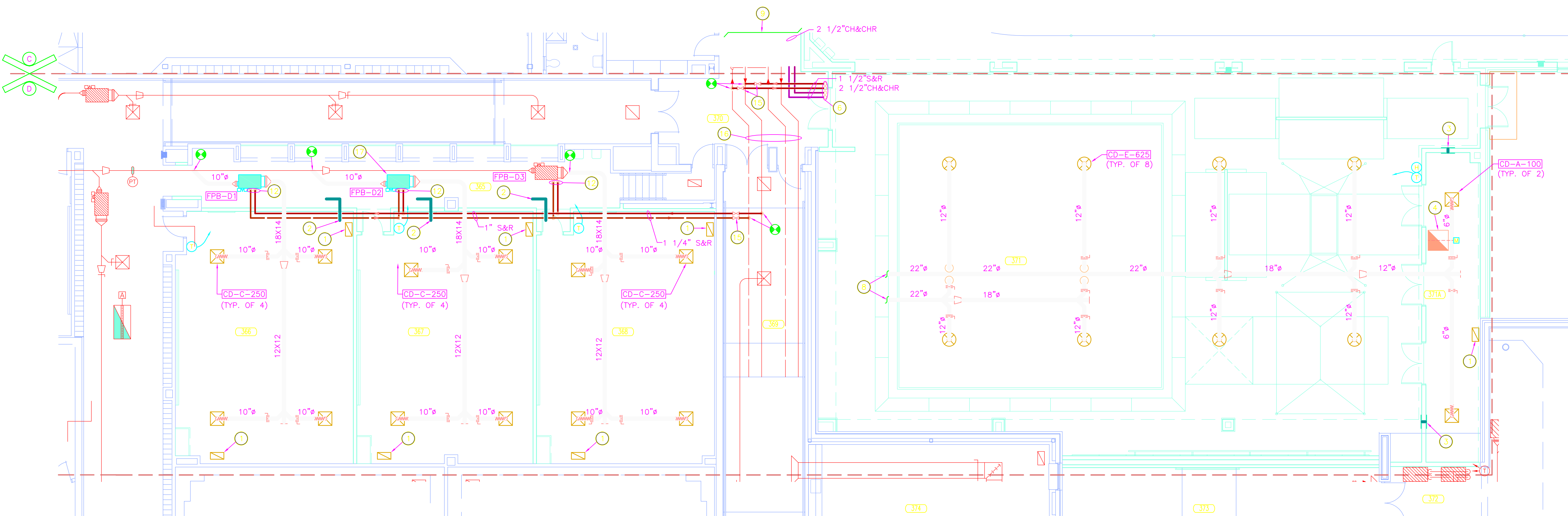
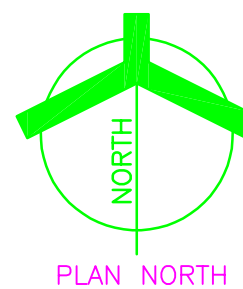
UNIT "E" MECHANICAL FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



UNIT "D" MECHANICAL SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"



UNIT "D" MECHANICAL FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



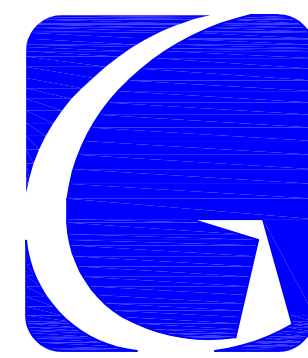
ROOM NAME SCHEDULE	
NO	NAME
365	CORRIDOR
366	CLASSROOM
367	CLASSROOM
368	CLASSROOM
369	CORRIDOR
370	CORRIDOR
371	DYNAMICS
372	STORAGE
373	RECEIVING
374	STORAGE
375	TELECOM
376	OFFICE
377	STORAGE
378	SPRINKLER
379	COMPACTOR
380	ELECTRICAL
381	LOUNGE
382	TOILET
383	TOILET
384	LOUNGE
385	TOILET
386	OFFICE
387	REHEARSAL
388	PLATFORM
389	STORAGE
390	UNIFORM
391	PERCUSSION
392	LARGE INSTRUMENT
393	DISSEMBLY
401	MECHANICAL

GENERAL NOTES:

- SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
- SEE SHEETS M-501 AND M-502 FOR MECHANICAL DETAILS.
- SEE SHEETS M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
- SEE SHEETS M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.
- SEE SHEETS MD101 THROUGH MD106 FOR DEMOLITION DRAWINGS.

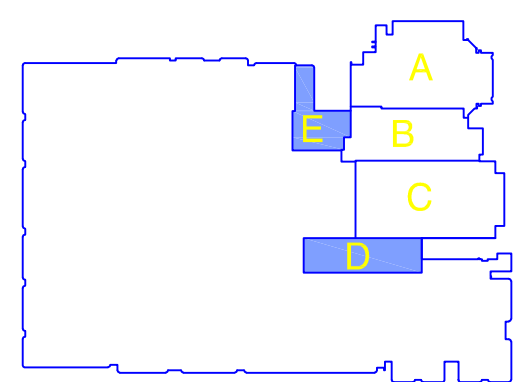
PLAN NOTES:

- 24"x12" RETURN AIR GRILLE IN CEILING AND OPEN TO RETURN AIR PLENUM.
- 24"x16" (LINED) TRANSFER AIR DUCT THRU WALL ABOVE CEILING.
- 24"x16" (LINED) TRANSFER AIR DUCT. INSTALL BOTTOM OF DUCT NO LESS THAN 10'-0" A.F.F. TERMINATE WITH 24"x16" SIDEWALL RETURN AIR GRILLE ON EACH SIDE.
- 36"x36" RELIEF AIR DUCT UP TO RELIEF VENT ON ROOF. INSTALL A MOTORIZED DAMPER IN RELIEF DUCT AS INDICATED. DAMPER SHALL BE CONTROLLED BY A STATIC PRESSURE SENSOR IN GYMNASIUM 370. SEE TYPICAL RELIEF VENT DETAIL.
- 1 1/2"S&R AND 2 1/2"CH&CHR DOWN. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
- 2 1/2"S&R AND 2 1/2"CH&CHR UP. SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
- SEE FIRST FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
- SEE SECOND FLOOR PLAN (THIS SHEET) FOR CONTINUATION.
- SEE SHEET M-104 FOR CONTINUATION.
- AIR MEASURING STATION.
- 40"x20" OUTDOOR INTAKE DUCT UP THRU ROOF TO GRAVITY INTAKE HOOD.
- 3/4"S&R PIPING DROP TO AIR TERMINAL UNIT.
- 1 1/2"S&R, 2 1/2"CH&CHR DOWN TO AIR HANDLING UNIT COIL.
- 1 1/2"S&R DOWN TO AIR HANDLING UNIT COIL.
- INSTALL SHUT-OFF VALVES AT THIS LOCATION.
- EXISTING PIPING MAINS TO REMAIN.
- RELOCATED EXISTING FAN POWERED VAV TERMINAL.
- NO WORK REQUIRED IN THIS AREA.
- COVER HOLE IN EXISTING SHEETMETAL PLENUM WITH 1" DOUBLE WALL INSULATED PANEL.
- CAP END OF EXISTING 88"x38" OA DUCT. CONNECT NEW 88"x48" OA DUCT TO TOP OF EXISTING 88"x38" OA DUCT AND EXTEND UP THRU ROOF TO LOUVERED PENTHOUSE. DIVIDE NEW 88"x48" DUCT TO ACCOMMODATE EXISTING STRUCTURAL (FIELD VERIFY). INSTALL NEW TEMPERATURE CONTROL DAMPERS IN EACH DIVIDED SECTIONS OF DUCT.
- 72"x48" OA DUCT UP THRU ROOF TO LOUVERED PENTHOUSE. DIVIDE NEW 72"x48" DUCT TO ACCOMMODATE EXISTING STRUCTURAL (FIELD VERIFY). INSTALL NEW TEMPERATURE CONTROL DAMPERS IN EACH DIVIDED SECTIONS OF DUCT.
- NEW LOUVERED PENTHOUSE ON ROOF. SEE SHEET MR101 FOR INFORMATION.
- EXISTING AIR HANDLING UNIT.
- 1 1/4" CONDENSATE THRU WALL. TERMINATE WITH 90° ELBOW DOWN AND DISCHARGE ONTO LOW ROOF. SEAL PENETRATIONS WATER AND AIR TIGHT.



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PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

GIBALTAR DESIGN
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PROJECT
06-612
DATE
03/19/07
COORDINATED BY
RWN
DRAWN BY
WAB
CHECKED BY
CAC

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REVISIONS
MARK DATE ISSUED FOR
AD.04 4/12/07 ADDENDUM #4
8-17-10 AS-BUILT - GREINER BROTHERS INC.

DRAWING
UNITS "D" AND "E"
MECHANICAL
FIRST AND SECOND
FLOOR PLANS

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GREINER BROTHERS INC.
PROJECT RECORD DOCUMENT
DATE: 8-17-10

GIBALTAR DESIGN SHEET
D, E M-106

GENERAL NOTES:

1. SEE SHEET M-001 FOR MECHANICAL LEGEND AND GENERAL MECHANICAL NOTES.
2. SEE SHEET M-501 AND M-502 FOR MECHANICAL DETAILS.
3. SEE SHEET M-601 AND M-602 FOR MECHANICAL EQUIPMENT SCHEDULES.
4. SEE SHEET M-801 AND M-802 FOR MECHANICAL TEMPERATURE CONTROL DIAGRAM.

PLAN NOTES:

- 1 FLEXIBLE DUCT CONNECTION.
- 2 FAN SECTION WITH ACCESS DOOR AND INTERNAL VIBRATION ISOLATION MOTOR AND FAN ASSEMBLY.
- 3 COOLING COIL SECTION.
- 4 HEATING COIL SECTION.
- 5 ANGLED FILTER/MIXING SECTION WITH ACCESS DOOR.
- 6 TRAPPED CONDENSATE DRAIN, TERMINATE OVER NEAREST FLOOR DRAIN.
- 7 4" CONCRETE HOUSEKEEPING PAD BY G.C.
- 8 MIXED AIR PLENUM (SIZE TO MATCH FILTER/MIXING BOX SECTION OPENING DIMENSIONS).
- 9 FLAT FILTER SECTION WITH ACCESS DOOR AND 4"-65% FILTERS.
- 10 BLANK SECTION WITH ACCESS DOORS.
- 11 SUPPLY AIR DISCHARGE PLENUM SECTION WITH ACCESS DOOR INTERIOR PLENUM WALL SHALL BE PERFORATED. PROVIDE GRATE OVER FLOOR OPENINGS. (FIELD CUT DUCT CONNECTIONS)
- 12 8" BASE RAIL, PROVIDE BY THE AIR HANDLING UNIT MANUFACTURER.
- 13 MOTORIZED CONTROL DAMPER.
- 14 REHEAT COIL SECTION.
- 15 TEMPERATURE CONTROL PANEL.
- 16 VARIABLE FREQUENCY DRIVE.
- 17 AIR FLOW MEASURING STATION.
- 18 CONNECT SUPPLY AIR DUCT TO AIR HANDLING UNIT WITH A BELLMOUTH FITTING.
- 19 PROVIDE DOUBLE WALL INTERNALLY INSULATED DUCT AND FITTINGS WITH PERFORATED INNER LINER (SOUND CONTROL) FOR A DISTANCE OF 15'-0" DOWNSTREAM OF THE AIR HANDLING UNIT DISCHARGE.
- 20 PROVIDE SHUT-OFF VALVES IN RISER PIPES.
- 21 EXISTING OUTDOOR AIR INTAKE LOUVER TO REMAIN.
- 22 10'-0" X 6'-8" X 1'-6" DEEP OUTDOOR AIR INTAKE PLENUM. CONSTRUCT PLENUM WITH 1" DOUBLE WALL INSULATED PANELS. SLOPE BOTTOM 6" TOWARD LOUVER TO DRAIN. PROVIDE 18"x24" HIGH ACCESS DOOR CONNECT DUCT TO PLENUM WITH 6"-45' FLARED INLET.

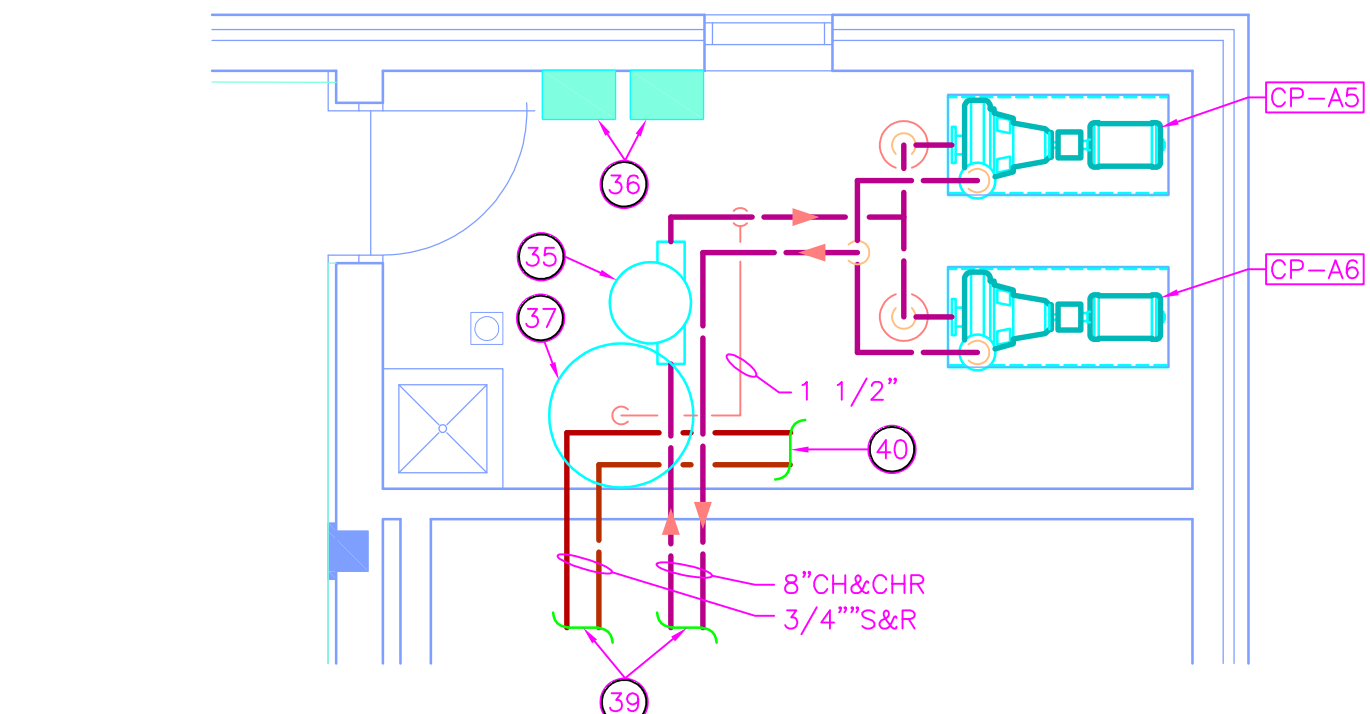
- 23 1 1/2"S&R, 2"CH&CHR DOWN TO AHU-A3.
- 24 1 1/2"S&R DOWN TO AHU-A3.
- 25 2 1/2"S&R, 4"CH&CHR DOWN TO AHU-B1.
- 26 2"S&R DOWN TO AHU-B1.
- 27 2 1/2"S&R, 4"CH&CHR DOWN TO AHU-B2.
- 28 2"S&R DOWN TO AHU-B2.
- 29 1 1/2"S&R, 2"CH&CHR DOWN THRU FLOOR, SEE SHEET M-101 FOR CONTINUATION.
- 30 SEE SHEET M-102 FOR CONTINUATION.
- 31 SEE SHEET M-103 FOR CONTINUATION.
- 32 2"S&R, 2 1/2"CH&CHR DOWN TO AHU-B3.
- 33 54"x30" OUTSIDE AIR DUCT UP THRU ROOF TO INTAKE VENTILATOR.
- 34 PROVIDE 6" LONG, 45' FLARED RETURN AIR INLET FITTING.
- 35 CHILLED WATER SYSTEM AIR SEPARATOR.
- 36 VARIABLE FREQUENCY DRIVE FOR CIRCULATING PUMPS.
- 37 CHILLED WATER SYSTEM EXPANSION TANK.

- 38 4'-0" X 3'-4" X 3'-6" DEEP OUTDOOR AIR INTAKE PLENUM. CONSTRUCT PLENUM WITH 1" DOUBLE WALL INSULATED PANELS. SLOPE BOTTOM 6" TOWARD LOUVER TO DRAIN. PROVIDE 18"x24" HIGH ACCESS DOOR. CONNECT DUCT TO PLENUM WITH 6"-45' FLARED INLET.
- 39 SEE SHEET M-101 FOR CONTINUATION.
- 40 3/4"S&R TO CUH-A11. SEE SHEET M-101 FOR CONTINUATION.

GREINER BROTHERS INC.
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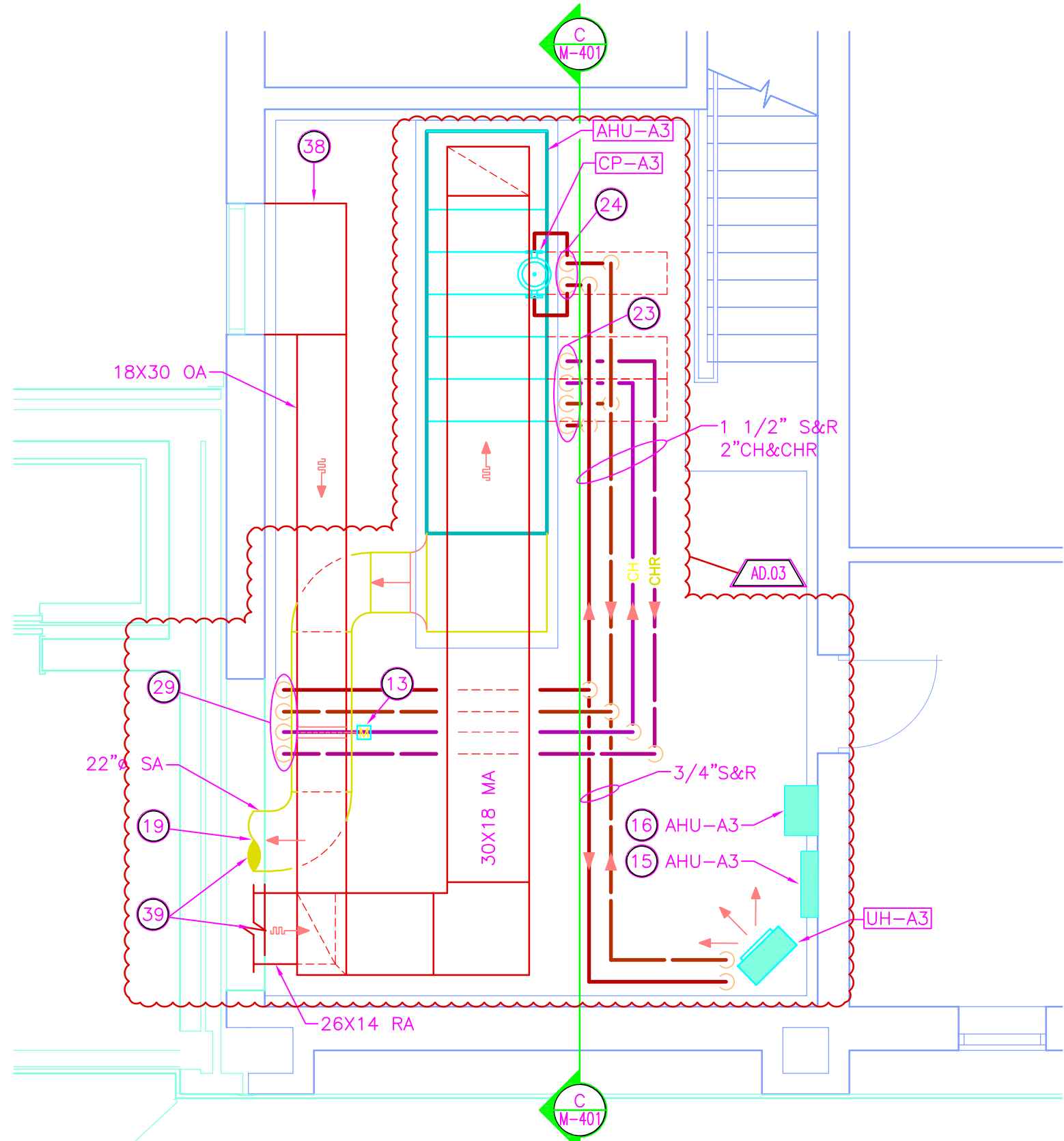
MECHANICAL ROOM 322A ENLARGED PLAN

SCALE: 1/4" = 1'-0"



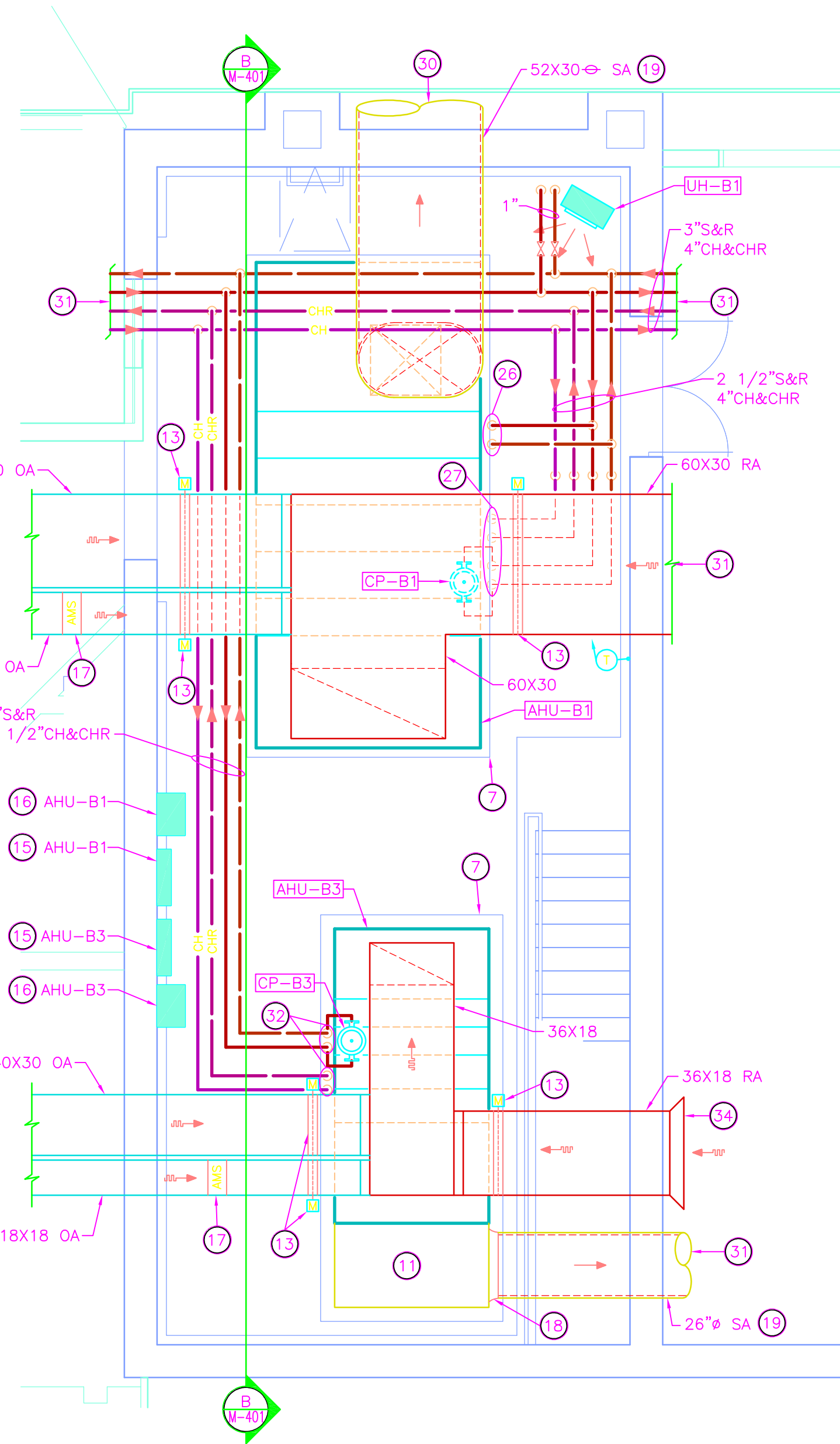
MECHANICAL ROOM 396 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



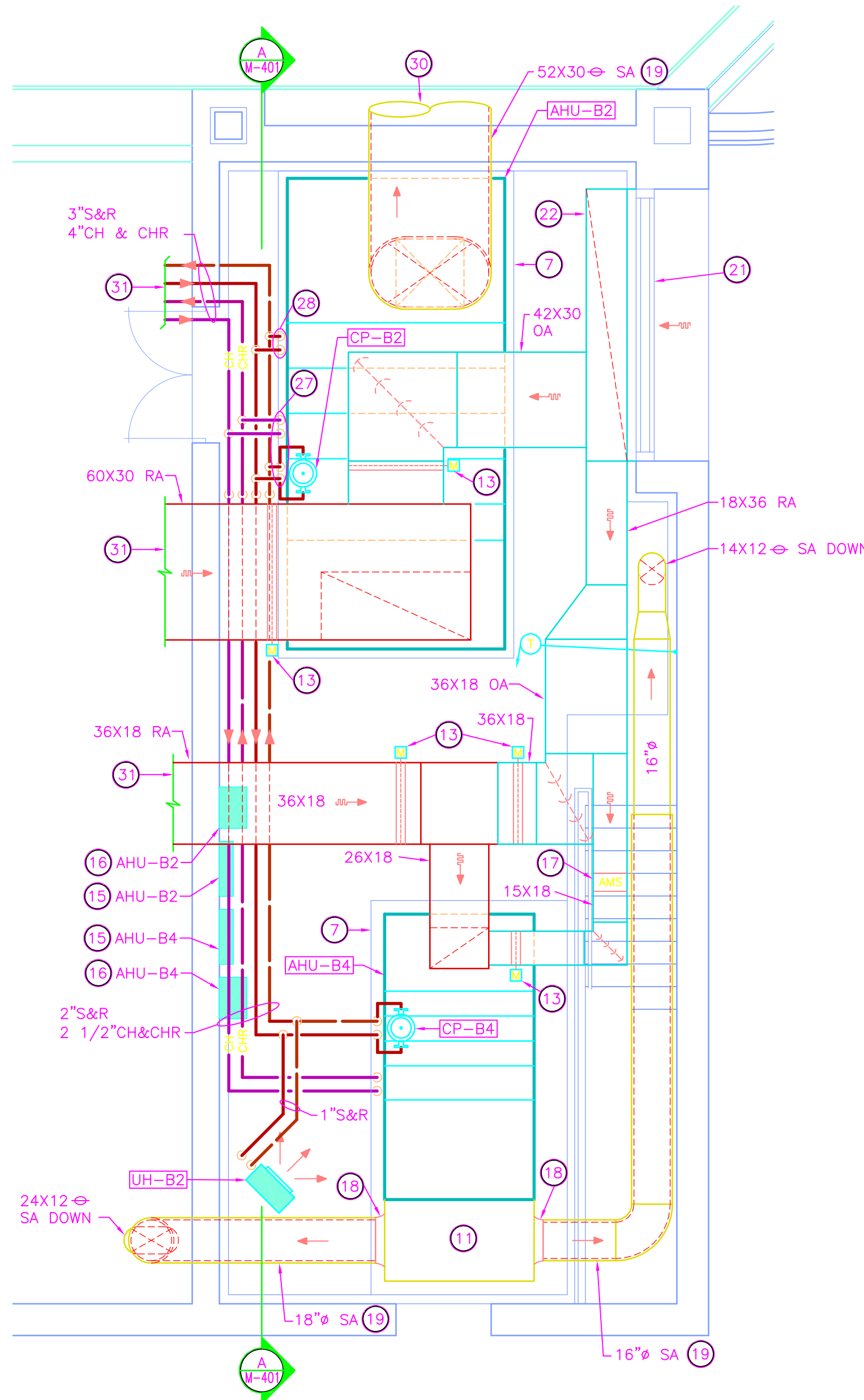
MECHANICAL ROOM 399 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



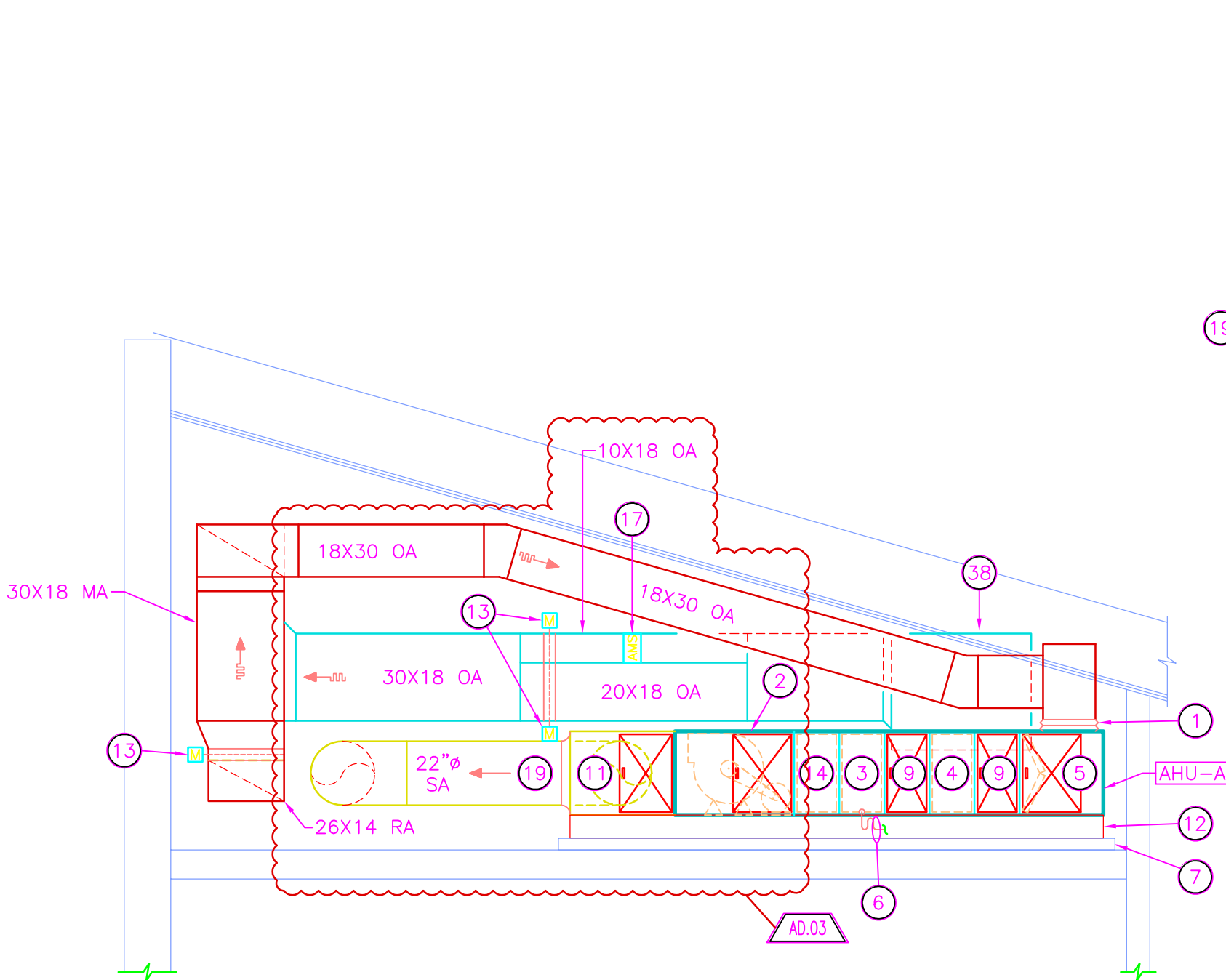
MECHANICAL ROOM 400 ENLARGED PLAN

SCALE: 1/4" = 1'-0"



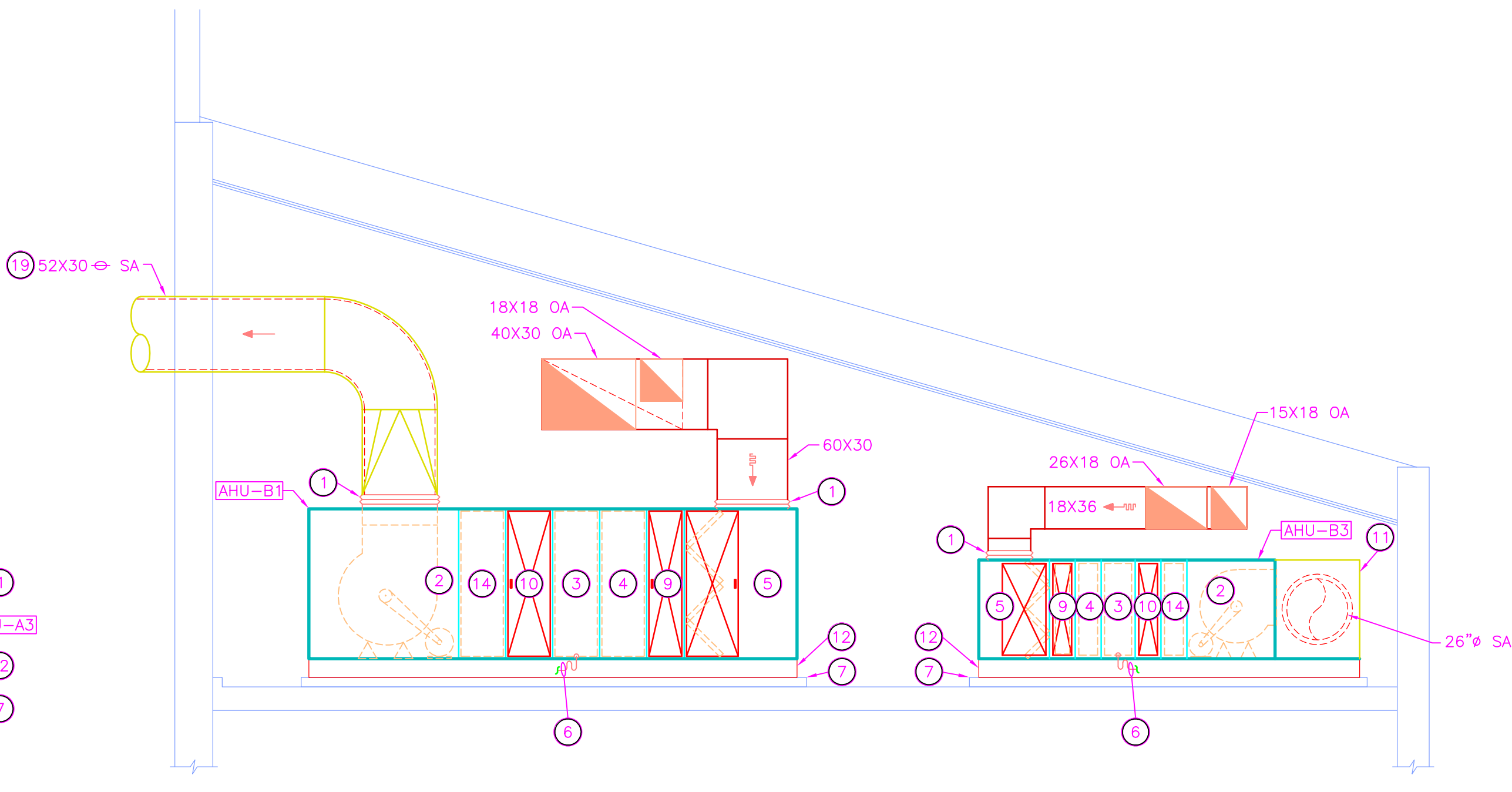
AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"



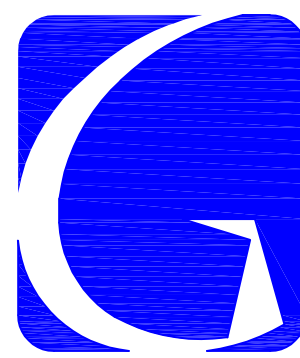
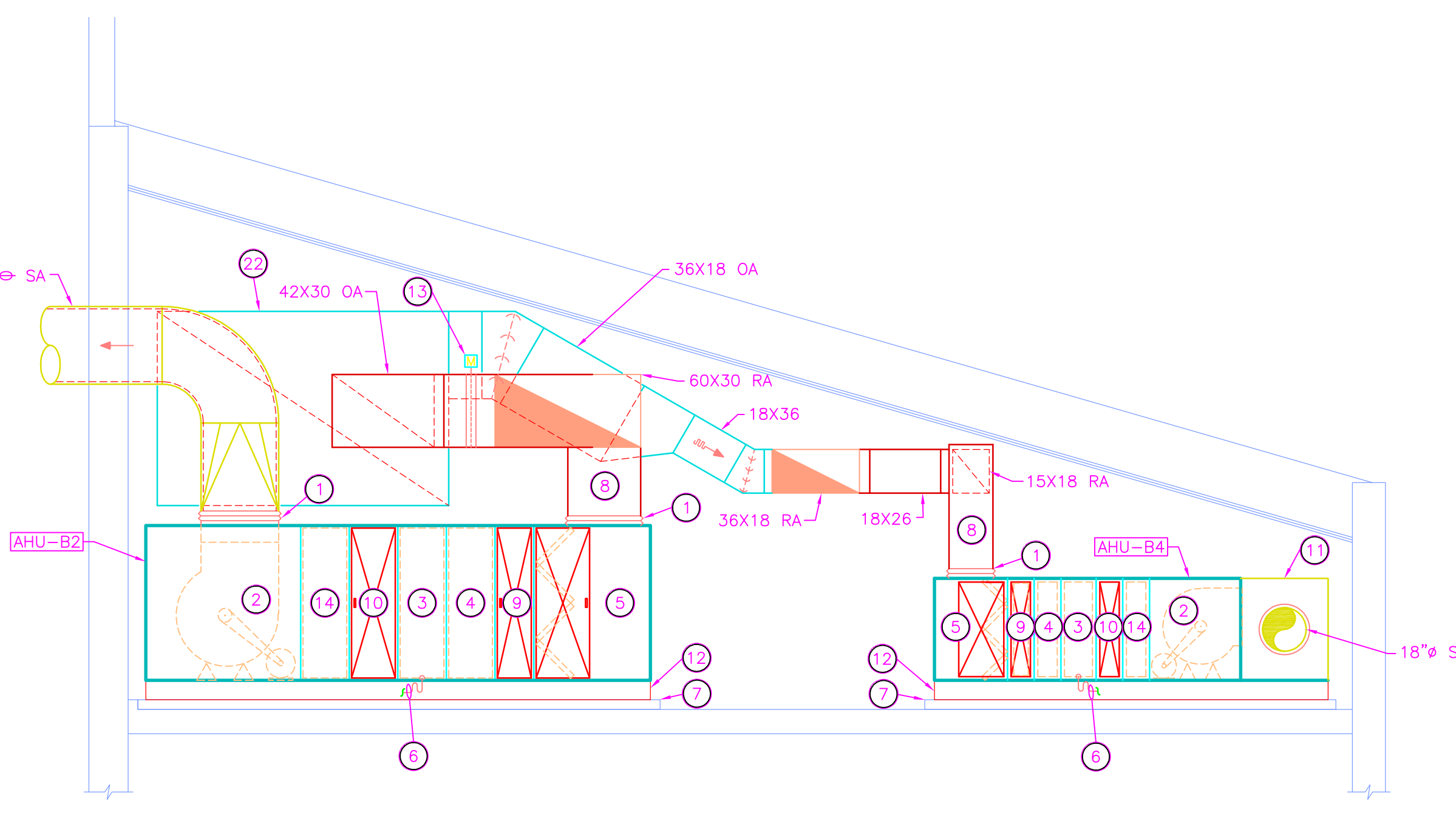
AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"



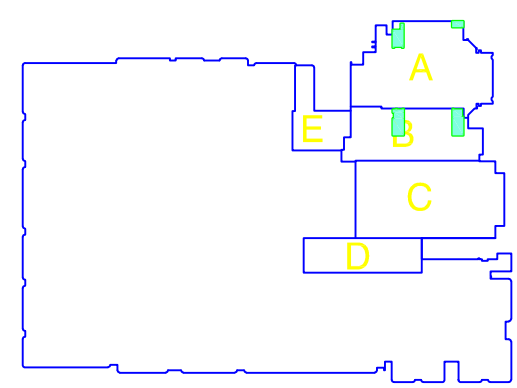
AIR HANDLING UNIT SECTION

SCALE: 1/4" = 1'-0"



GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
**LAWRENCE
CENTRAL
HIGH
SCHOOL**
RENOVATIONS, ADDITIONS
AND RELATED WORK
MSD OF LAWRENCE TOWNSHIP



KEY PLAN

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PROJECT 06-612
DATE 03/19/07
COORDINATED BY RWN
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REVISIONS		
MARK	DATE	ISSUED FOR
AD.03	04/06/07	ADDENDUM #3
8-17-10		AS-BUILT - GREINER BROTHERS INC.

DRAWING
**MECHANICAL ROOMS
322A, 396, 399 & 400
ENLARGED PLANS
AND SECTIONS**

PROJECT
LAWRENCE CENTRAL HIGH SCHOOL

GIBALTAR DESIGN SHEET

M-401





DESIGN

EXISTING BOYS AND GIRLS P.E. LOCKER ROOMS AT LCHS AND RELATED WORK

GIBRALTAR DESIGN

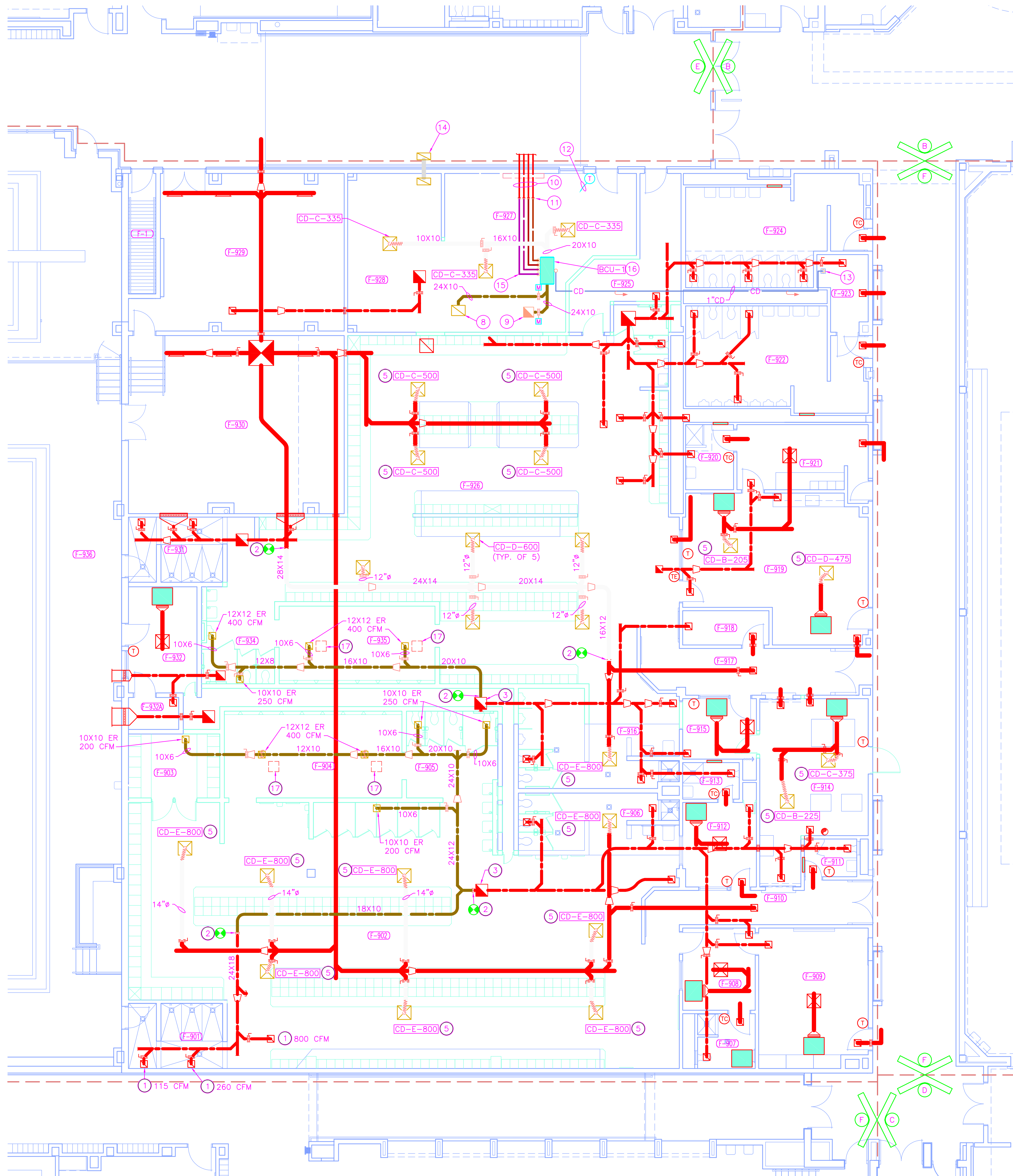
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© GIBRALTAR DESIGN SHEET

- (1) RE-INSTALL EXHAUST REGISTER IN NEW LAY-IN CEILING AND REBALANCE TO AIR QUANTITY INDICATED.
- (2) CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST SYSTEM AT THIS POINT.
- (3) EXISTING EXHAUST FAN TO REMAIN.
- (4) CAP EXISTING EXHAUST DUCT AT THIS POINT.
- (5) PROVIDE AND INSTALL A NEW SUPPLY DIFFUSER AND FLEXIBLE DUCT. DIFFUSER TO BE INSTALLED IN LAY-IN CEILING.
- (6) CONNECT NEW 28"x14" SUPPLY DUCT TO EXISTING SUPPLY DUCT AT THIS POINT.
- (7) EXISTING SUPPLY DUCTWORK TO REMAIN.
- (8) 24"x18" RETURN AIR REGISTER 1000 CFM.
- (9) 18"x18" DUCT UP TO 18"Ø OUTDOOR AIR INTAKE ON ROOF. PROVIDE NEW ROOF OPENING, ROOF CURB, PATCH AND REPAIR ROOF AS REQUIRED.
- (10) EXISTING S&R, &CH&CR PIPING TO REMAIN.
- (11) CONNECT NEW 1"CH&CHR, 1"SR PIPING TO EXISTING AT THIS POINT.
- (12) PROVIDE NEW THERMOSTAT TO CONTROL BLOWER COIL UNIT.
- (13) TERMINATE 1"PV.C CONDENSATE DRAIN LINE OVER FLOOR DRAIN IN JANITORS ROOM.
- (14) 24"x12" TRANSFER AIR GRILLE IN CEILING, EACH SIDE OF WALL AND A 24"x8" DUCT BETWEEN.
- (15) 1"CH&CHR, 1"SR DUCT TO BLOWER COIL UNIT.
- (16) BLOWER COIL UNIT TO BE A TRANE MODEL NO. 8CBH-30 HORIZONTAL DRAIN THRU TYPE 1000 MIN. MINIMUM OUTDOOR AIR 200 CFM, EXT. STATIC PRESSURE 1.5" TOTAL COILING CAPACITY 30.0MBH, 8.0GPM, TOTAL HEATING CAPACITY 40.0 MBH, 5.0 GPM, 3/4 HP FAN MOTOR, 115 VOLTS, 1 PHASE. UNIT TO HAVE 2" THROW AWAY FILTERS, FACTORY INSTALLED DISCONNECT SWITCH, PROVIDE COMPLETE ECONOMIZER CONTROLS.
- (17) ACCESS DOOR BY THE G.C.
- (18) ALL SHOWER DUCTWORK TO BE ALUMINUM CONSTRUCTION.

WORK INDICATED ON THESE DRAWINGS IS TYPICALLY SPECIFIED IN THE SPECIFICATIONS FOR PROJECT NUMBER 06-612. REFERENCE THAT DOCUMENT FOR THE MAJORITY OF THE WORK. ADDITIONAL SPECIFICATION SECTIONS HAVE BEEN ADDED FOR WORK THAT IS NOT COVERED THEREIN. ALSO REFER TO THE CONSTRUCTION DOCUMENT DRAWINGS FOR PROJECT NUMBER 06-612 FOR GENERAL NOTES, GENERAL RENOVATION NOTES, SYMBOL SCHEDULES, AND EQUIPMENT SCHEDULES WHICH APPLY TO THE WORK INDICATED ON THIS DRAWING.



SCALE 1/8" = 1'-0"



GREINER BROTHERS INC.
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