

Purchasing Division Finance Department

Room 120 411 West First Street Duluth, Minnesota 55802



Addendum 4 Solicitation 22-99418 City Hall MEP Renewal Project

This addendum serves to notify all bidders of the following changes to the solicitation documents:

Please see the attached mechanical changes and estimated construction schedule.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation. Posted: June 6, 2022

ADDENDUM



Date: June 6, 2022

Project: City of Duluth City Hall MEP Renewal

KFI Project Number: 21-0486.00

Addendum Number: 4

THIS ADDENDUM IS A CONTRACT DOCUMENT AND MAY APPLY TO ANY OR ALL CONTRACTS AND SUBCONTRACTS UNLESS OTHERWISE SPECIFIED HEREIN OR SHOWN ON THE ATTACHED DRAWINGS (IF ANY). ALL WORK REQUIRED BY THIS ADDENDUM SHALL BE IN COMPLETE ACCORD WITH THE CONTRACT DOCUMENTS AND SUBSEQUENT ADDENDA THERETO. THE ITEMS LISTED IN THIS ADDENDUM ARE NOT IN ANY ORDER IN REGARD TO THE DRAWINGS OR THE SPECIFICATIONS. ALL CONTRACTORS ARE CAUTIONED TO EXAMINE EACH AND EVERY ITEM OF THIS ADDENDUM.

THE FOLLOWING CHANGES OR CLARIFICATIONS TO THE PLANS & SPECIFICATIONS SHALL BE INCLUDED AS PART OF THE CONTRACT DOCUMENT

RESPONSES TO REQUESTS:

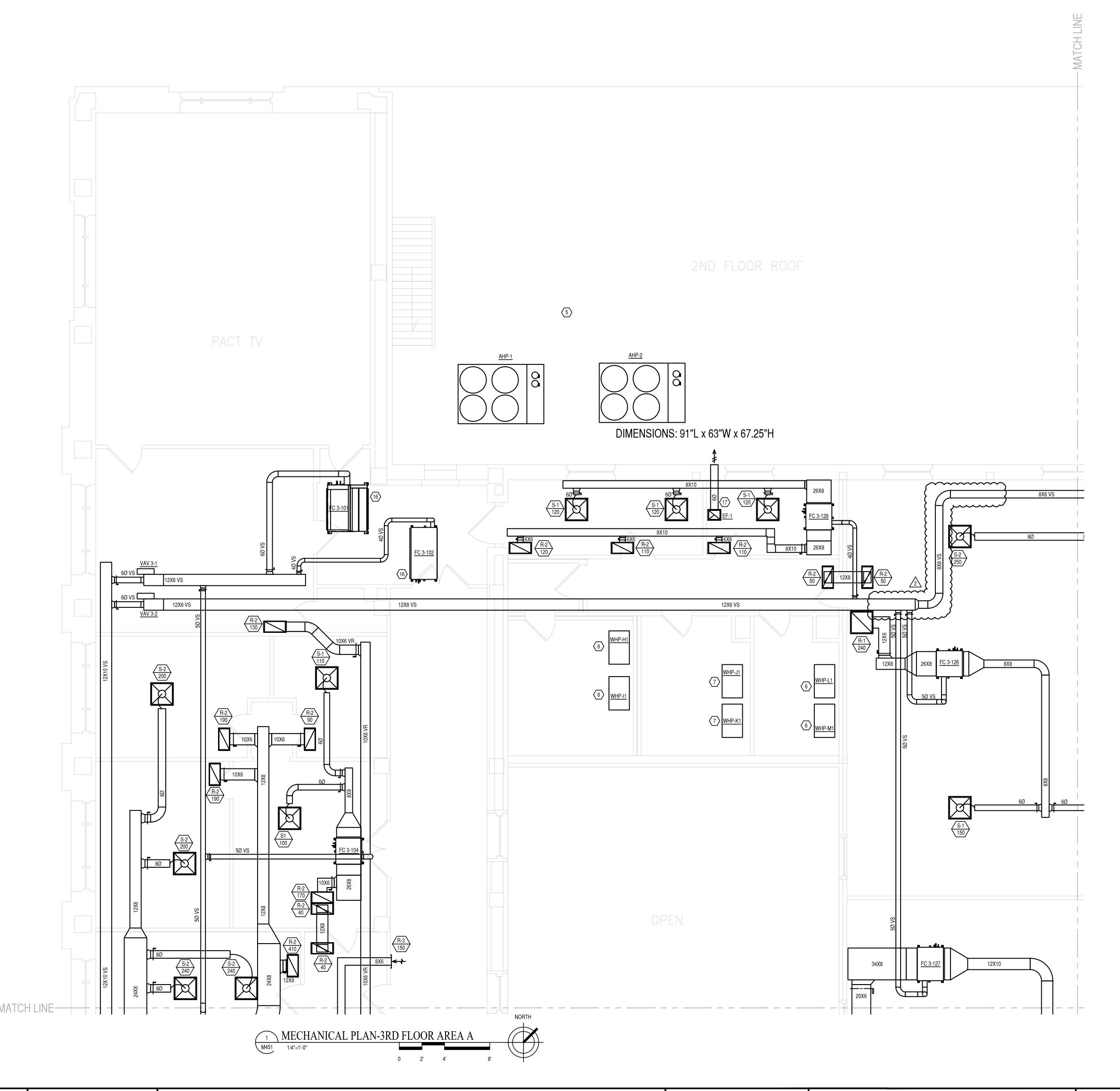
1. Estimated construction schedule.

PLAN SHEET CHANGES:

- 1. Sheet M451 HVAC Plan 3rd Floor Area A Modified ventilation ductwork main transitions at branch ductwork.
- 2. Sheet M461 HVAC Plan 4th Floor Area A Modified ventilation ductwork main transitions at branch ductwork.
- 3. Sheet M463 HVAC Plan 4th Floor Area C Modified ventilation ductwork main transitions at branch ductwork.

END OF ADDENDUM

Page 1 of 1 Find a way.



GENERAL NOTES:

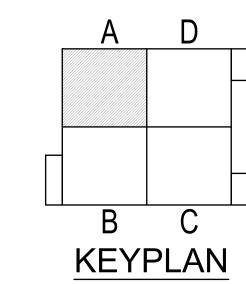
- CONTRACTOR SHALL COORDINATE CONSTRUCTION PHASING PRIOR TO START OF NEW WORK.
- 2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENT
- CONTRACTOR SHALL VERIFY SIZE, LOCATION, AND ROUTING OF ALL DUCTWORK, PIPING, AND CONTROL COMPONENTS ON SITE.
- KEY NOTES:
- (NOT ALL NOTES MAY APPLY TO ALL SHEETS)
- VENTILATION RETURN UP EXISTING SHAFT, COORDINATE FIRE RATING WITH ARCHITECTURAL SHEETS. SIZE FOR REFERENCE ONLY.
- OUTDOOR AIR UP EXISTING SHAFT, COORDINATE FIRE RATING WITH ARCHITECTURAL SHEETS. SIZE FOR REFERENCE ONLY.
- EXHAUST AIR UP EXISTING SHAFT, COORDINATE FIRE RATING WITH ARCHITECTURAL SHEETS. SIZE FOR REFERENCE ONLY.
- VENTILATION AIR UP EXISTING SHAFT, COORDINATE FIRE RATING WITH ARCHITECTURAL SHEETS. SIZE FOR REFERENCE ONLY.
- NEW AIR SOURCE HEAT PUMP ON ROOF FOR DOAS SYSTEM.
- 6 NEW WATER SOURCE HEAT PUMP TO SERVE FLOOR 2.
- NEW WATER SOURCE HEAT PUMP TO SERVE FLOOR 3.
- 8 NEW WATER SOURCE HEAT PUMP TO SERVE FLOOR 4.

 9 REUSE EXISTING 32X18 RETURN GRILLE NEAR FLOOR AND EXISTING DUCTWORK IN WALL. CONNECT NEW 12X8 VR DUCT TO NEW RV MAIN
- DUCT, BALANCE TO 440 CFM. VERIFY ROUTING AND LOCATION ON SITE.

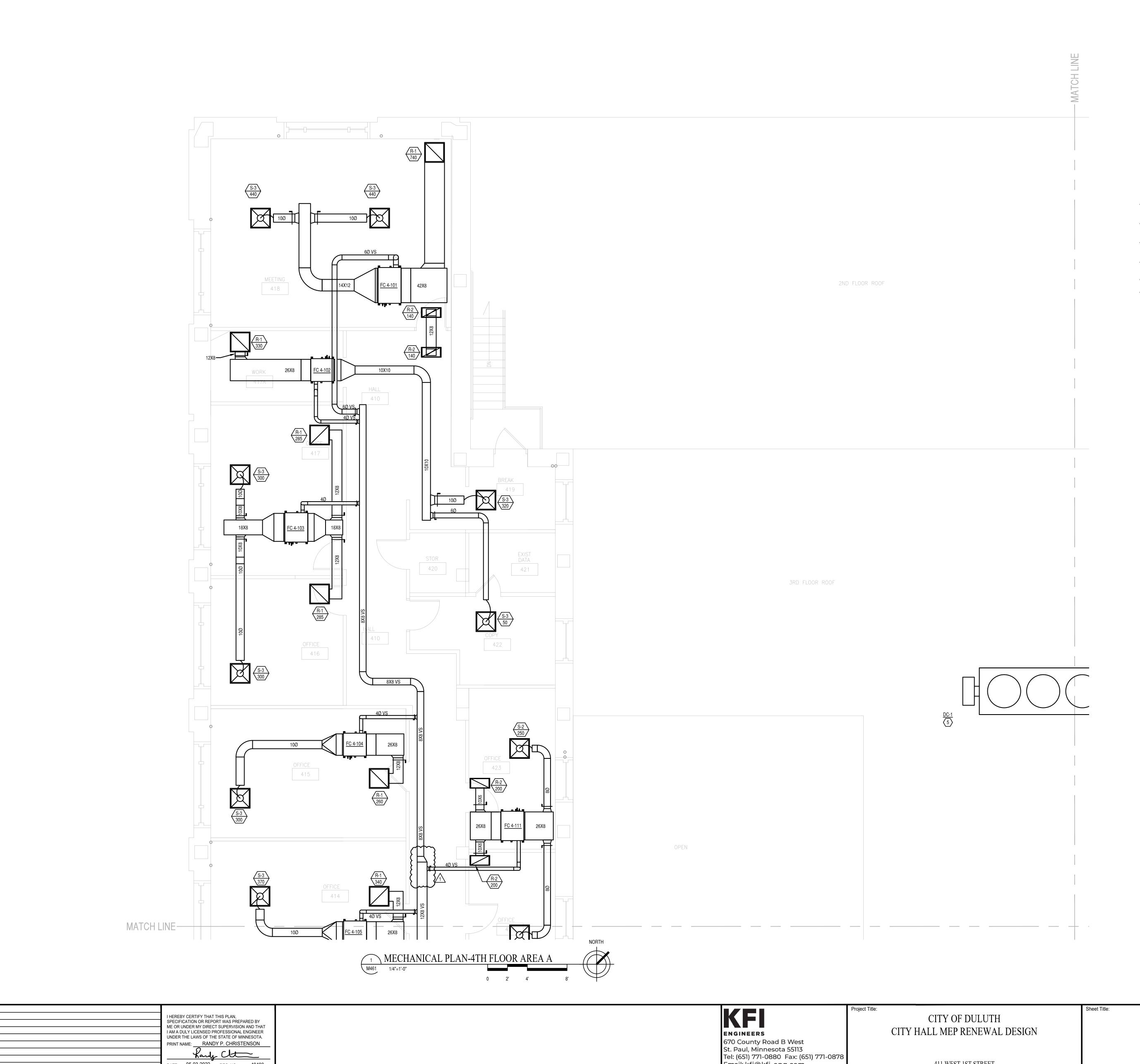
 10 BLANK OFF BACK SIDE OF EXISTING SUPPLY OR RETURN GRILLE.
- REUSE EXISTING 32X18 SUPPLY GRILLE NEAR CEILING AND EXISTING DUCTWORK IN WALL, LEAVE TOP 4" OF GRILLE OPEN AND BLANK-OFF BOTTOM 14". EXTENT NEW DUCTWORK TO MAKE CONNECTION TO SUPPLY DUCTWORK, BALANCE TO 600 CFM. VERIFY ROUTING AND
- REUSE EXISTING 24X18 RETURN GRILLE NEAR FLOOR AND EXISTING DUCTWORK IN WALL, BALANCE TO 760 CFM. VERIFY ROUTING AND LOCATION ON SITE.

LOCATION ON SITE.

- REUSE EXISTING 24X18 RETURN GRILLE NEAR FLOOR AND EXISTING DUCTWORK IN WALL. CONNECT NEW 18X8 VR DUCT TO NEW VR MAIN DUCT, BALANCE TO 660 CFM. VERIFY ROUTING AND LOCATION ON SITE.
- REUSE EXISTING 48X18 SUPPLY GRILLE NEAR CEILING AND EXISTING DUCTWORK IN WALL., LEAVE TOP 8" OF GRILLE OPEN AND BLANK-OFF BOTTOM 10". EXTENT NEW DUCTWORK TO MAKE CONNECTION TO SUPPLY DUCTWORK. VERIFY ROUTING AND LOCATION ON SITE.
- REUSE EXISTING 24X18 RETURN GRILLE NEAR FLOOR AND EXISTING DUCTWORK IN WALL, BALANCE TO 1490 CFM. VERIFY ROUTING AND LOCATION ON SITE.
- REUSE EXISTING DUCTWORK, CLEAN AND BRING TO LIKE NEW CONDITION.
- NEW CEILING MOUNTED EXHAUST FAN EF-1. ROUTE 6" Ø DUCT THRU WALL AND TERMINATE IN VENT CAP.
- (18) DUCTWORK ROUTED IN INTERSTITIAL SPACE.



HE OR UNIDED BY DIDECT OF DEPTH OF THE	CITY OF DULUTH HALL MEP RENEWAL DESIGN 3RD FLOOR AREA A 411 WEST 1ST STREET DULUTH, MN 55802	Date: 05-03-2022 Drawn By: CRE Checked By: MDP Project No: 21-0486 Sheet Number DWG Scale: AS NOTED Sheet Size: 30x42	4 umber: M451
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1 6-6-22 JCM ADDENDUM #4
No: Date: By:

Revision:

DATE: 05-03-2022 REG. NO.: 40493

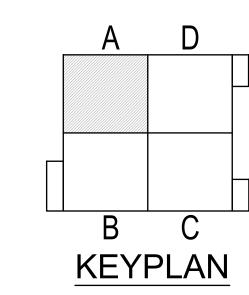
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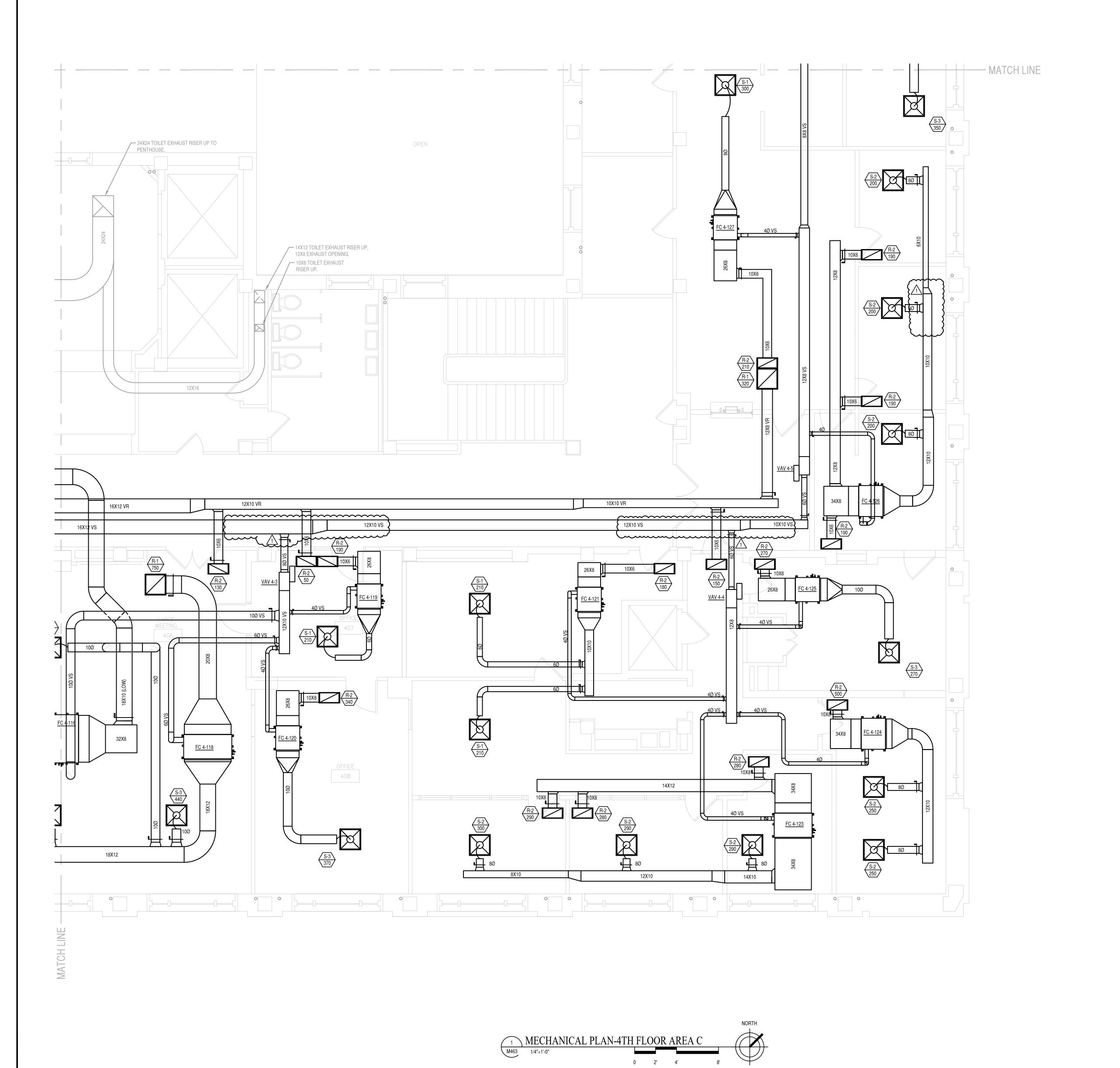
KEY NOTES:

(NOT ALL NOTES MAY APPLY TO ALL SHEETS)

- VENTILATION RETURN DOWN EXISTING SHAFT, COORDINATE ROUTING AND LOCATION WITH ARCHITECTURAL SHEETS.
- OUTDOOR AIR UP EXISTING SHAFT, COORDINATE ROUTING AND LOCATION WITH ARCHITECTURAL SHEETS.
- (3) EXHAUST AIR UP EXISTING SHAFT, COORDINATE ROUTING AND LOCATION WITH ARCHITECTURAL SHEETS
- VENTILATION SUPPLY AIR UP EXISTING SHAFT, COORDINATE ROUTING AND LOCATION WITH ARCHITECTURAL SHEETS.
- 5 NEW DRY FLUID COOLER.
- 6 ROUTE 14X10 VR DUCT DOWN FROM MAIN AND CONNECT TO NEW RETURN GRILLE.



	Project Title:	Sheet Title:			Revision Number:
IK E I	CITY OF DULUTH	TIMA CODI ANI	Date:	05-03-2022	
		HVAC PLAN	Drawn By:	CENT	1
ENGINEERS	CITY HALL MEP RENEWAL DESIGN	4TH FLOOR	Checked By:	MDP	+
670 County Road B West			Project No:	21-0486	Sheet Number:
St. Paul, Minnesota 55113		AREA A	•		Check Hambor.
Tel: (651) 771-0880 Fax: (651) 771-0878			DWG Scale:	AS NOTED	N///C1
Email: kfi@kfi-eng.com	411 WEST 1ST STREET		Sheet Size:	30x42	M461
	DULUTH, MN 55802				1



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RANDY P. CHRISTENSON

RANDY D. CHRISTENSON

DATE: 05-03-2022 REG. NO.: 40493

1 6-6-22 JCM ADDENDUM #4
No: Date: By:

Revision:

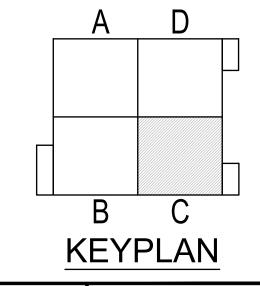
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KFI
ENGINEERS
670 County Road B West
St. Paul, Minnesota 55113
Tel: (651) 771-0880 Fax: (651) 771-087
Email: kfi@kfi-eng.com

		Revision Nu
Date:	05-03-2022	
Drawn By:	CENA	
Checked By:	MDP	
Project No:	21-0486	Sheet Numb
DWG Scale:	AS NOTED	
Chart Ciza:	20v42	

411 WEST 1ST STREET Sheet Size: 30x42 DULUTH, MN 55802

DULUTH CITY HALL CONSTRUCTION SCHEDULE												
(PROPOSED)												
Start Date September, 2022	8/1/22	8/8/22	8/15/22	8/22/22	8/29/22	9/5/22	9/12/22	9/19/22	9/26/22	10/3/22	10/10/22	10/17/22
Demo of Gound Floor Mechanical Room												
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DULUTH CITY HALL CONSTRUCTION SCHEDULE												
(PROPOSED)												
Start Date September, 2022	10/24/22	10/31/22	11/7/22	11/1/1/22	11/21/22	11/28/22	12/5/22	12/12/22	12/19/22	12/26/22	1/2/23	1/9/23
Start Date September, 2022	10/24/22	10/31/22	11///22	11/14/22	11/21/22	11/20/22	12/3/22	12/12/22	12/13/22	12/20/22	1/2/23	1/3/23
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Start Date September, 2022	1/16/23	1/23/23	1/30/23	2/6/23	2/13/23	2/20/23	2/27/23	3/6/23	3/13/23	3/20/23	3/27/23	4/3/23
Start Date September, 2022	1/10/23	1/23/23	1/30/23	2/0/23	2/13/23	2/20/23	2/2//23	3/0/23	3/13/23	3/20/23	3/2//23	4/3/23
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Start Date September, 2022	4/10/23	4/17/23	4/24/23	5/1/23	5/8/23	5/15/23	5/22/23	5/29/23	6/5/23	6/12/23	6/19/23	6/26/23
Start Bate September, 2022	1/ 10/ 23	1, 17, 23	1/21/23	3/1/23	3/0/23	3/13/23	3, 22, 23	3/23/23	0/3/23	0/12/23	0/15/25	0,20,23
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DULUTH CITY HALL CONSTRUCTION SCHEDULE												
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Start Date September, 2022	7/3/23	7/10/23	7/17/23	7/24/23	7/31/23	8/7/23	8/14/23	8/21/23	8/28/23	9/4/23	9/11/23	9/18/23
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DULUTH CITY HALL CONSTRUCTION SCHEDULE												
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Start Date September, 2022	9/25/23	10/2/23	10/9/23	10/16/23	10/23/23	10/30/23	11/6/23	11/13/23	11/20/23	11/27/23	12/4/23	12/11/23
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(PROPOSED)												
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DULUTH CITY HALL CONSTRUCTION SCHEDULE												
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Start Date September, 2022	3/11/24	3/18/24	3/25/24	4/1/24	4/8/24	4/15/24	4/22/24	4/29/24	5/6/24	5/13/24	5/20/24	5/27/24
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3rd Floor south and 2nd Floor south ceiling										
Installation of DOAS units, Water-cooled heat pumps for										
Ground and 1st Floors, Air-cooled heat pumps and Dry-										
Cooler										
2nd Floor south and 1st Floor south ceiling										
1st Floor south and Ground Floor south ceiling										
Ground Floor south										
4th Floor east and 3rd Floor east ceiling										
3rd Floor east and 2nd Floor east ceiling										
2nd Floor east and 1st Floor east ceiling										
1st Floor east and Ground Floor east ceiling										
Ground Floor east										
2nd Floor north and 1st Floor north ceiling										
1st Floor north and Ground Floor north ceiling										
2nd Floor north and 1st Floor north ceiling										
Zira i loci ilocati ana 15t i loci ilocati cening										