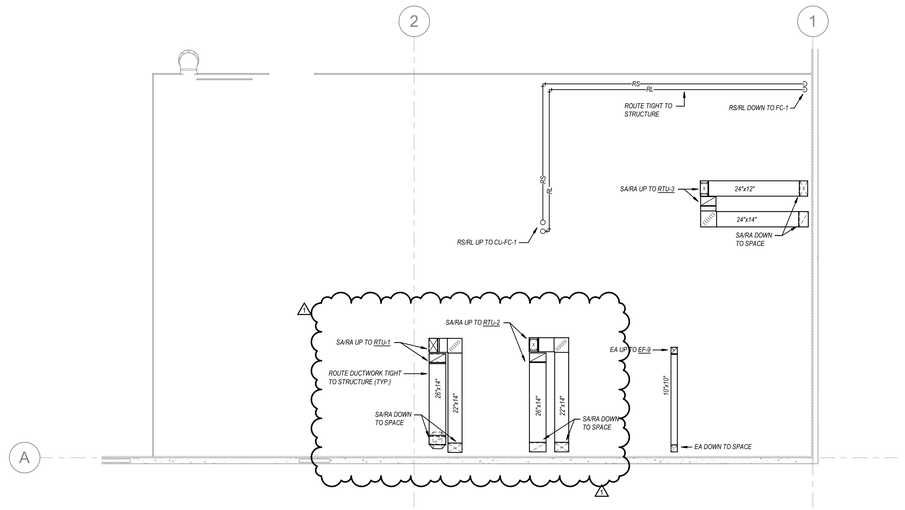
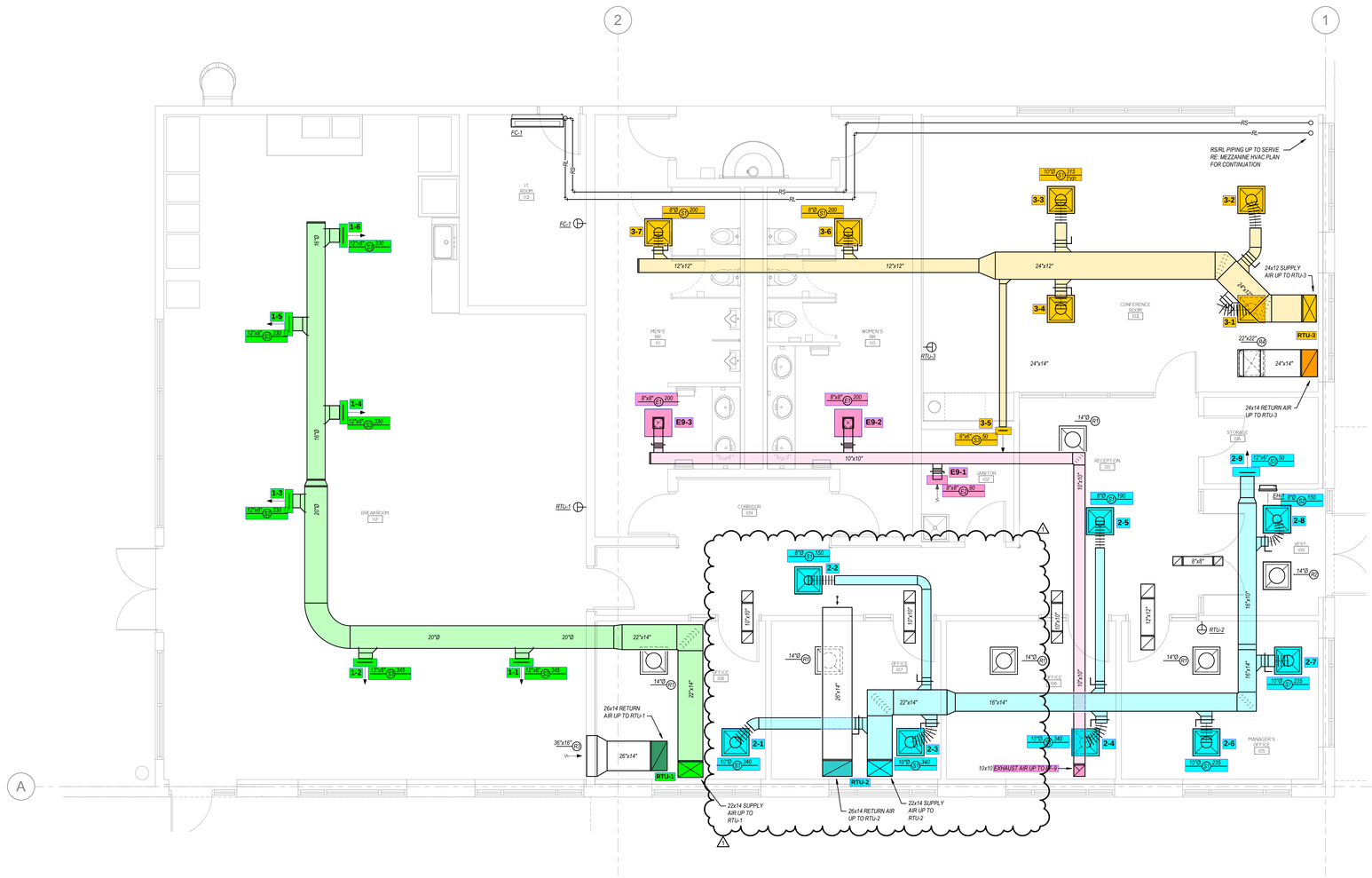


2 HVAC PLAN - OFFICE MEZZANINE

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



1 HVAC PLAN - 1ST FLOOR - OFFICE

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

GENERAL HVAC NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
4. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
5. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
6. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
7. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
8. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

SCANNELL PROPERTIES

MARSHALLTOWN

99TH STREET & LEAVENWORTH
KANSAS CITY, KANSAS

Project No.: 24.271
Date: 09.06.2024
Issued For: PERMIT

REVISIONS

No.	Date	Description
1	09.20.24	Addendum 1

REGISTRATION

KEVIN J. ZIMMERMAN LICENSED 20675 KANSAS PROFESSIONAL ENGINEER 09/06/2024

DAVID L. DEATHERAGE JR. LICENSED 14720 KANSAS PROFESSIONAL ENGINEER 09/06/2024

MillerStauch CONSTRUCTION
Experience | Beyond Building

PROJECT TEAM

ARCHITECT	FINKLE+WILLIAMS ARCHITECTURE
CIVIL	OLSSON
LANDSCAPE	OLSSON
STRUCTURAL	KRUDWIG STRUCTURAL ENGINEERS
PLUMBING	PKMR ENGINEERS
MECHANICAL	PKMR ENGINEERS
ELECTRICAL	PKMR ENGINEERS
FIRE PROTECTION	
CONTRACTOR	MILLERSTAUCH

pkmr ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
13300 W 98TH STREET LENEXA, KS 66215
913.492.2400 WWW.PKMRENG.COM

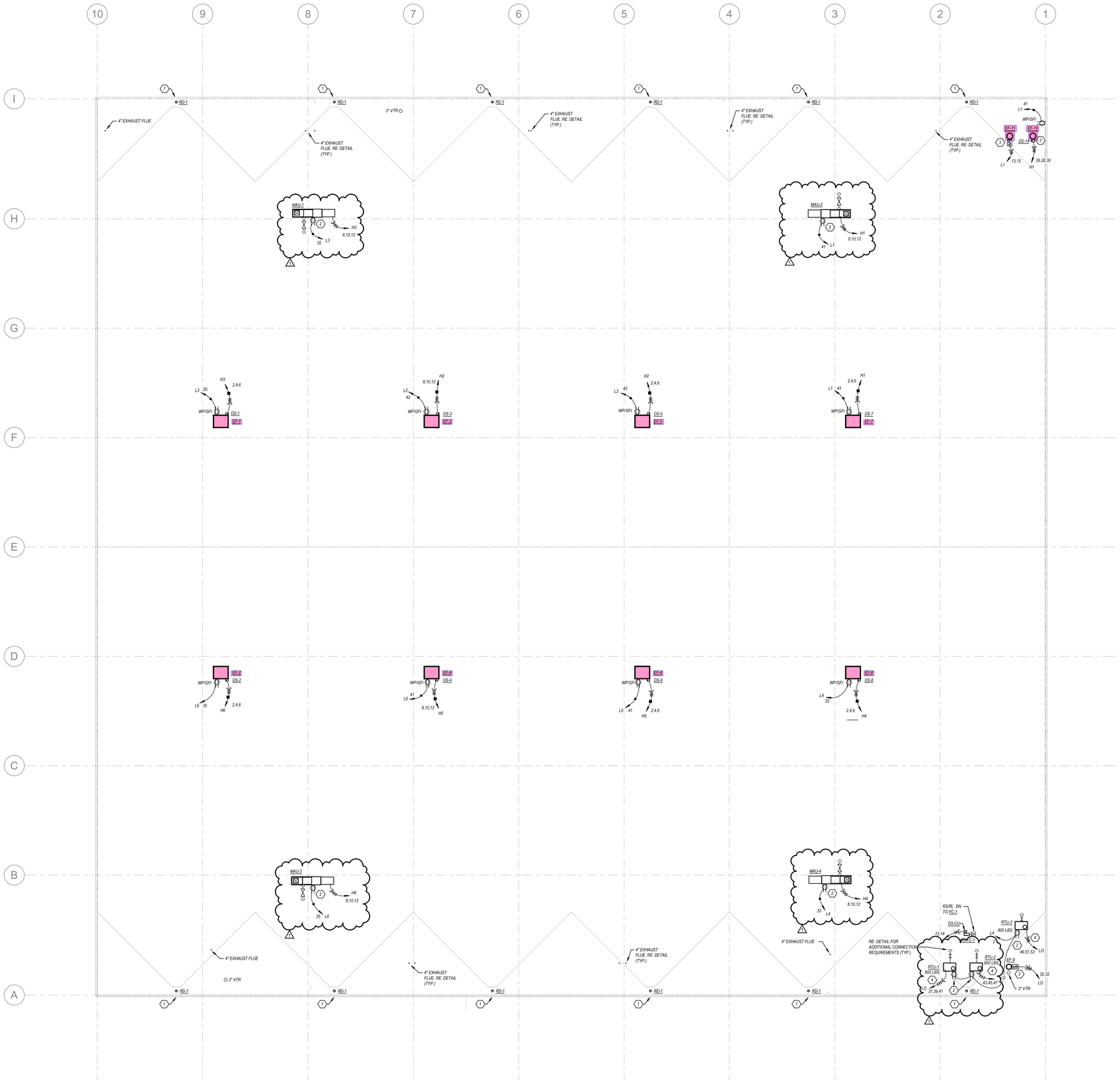
24.271

SHEET TITLE

MECHANICAL - LEVEL 1 ENLARGED HVAC

SHEET NUMBER

MP2.01



MEP ROOF PLAN
SCALE: 1" = 20'-0"

GENERAL ROOF PLAN NOTES

1. *REFER TO GENERAL DEMOLITION NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.*
2. *MAINTAIN CODE-REQUIRED DISTANCES FOR ALL VENTS, EXHAUSTS, ETC. FROM MECHANICAL EQUIPMENT OUTSIDE AIR INTAKES.*
3. *ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED A MINIMUM OF 36" ABOVE THE ROOF ON SUITABLE STEEL SUPPORTS UNLESS OTHERWISE NOTED.*

KEYED NOTES - ROOF

1. *PROVIDE SCUPPER IN PARAPET WALL FOR STORM OVERFLOW TO BE MINIMUM 28"x6". REF: ARCHITECTURAL DRAWINGS FOR DETAILING.*
2. *RECEPTACLE PROVIDED WITH MECHANICAL UNIT. WIRE TO DESIGNATED CIRCUIT. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.*
3. *MOUNT DISCONNECT UNDER FAN SHROUD.*
4. *(3) #6, (1) #10G IN 1" C.*

VOLTAGE DROP

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR UPSIZING ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS AS REQUIRED TO COMPLY WITH VOLTAGE DROP REQUIREMENTS AS OUTLINED IN THE NEC.

UPSIZE WIRE ON 120V CIRCUIT HOMERUNS AS LISTED BELOW UNLESS OTHERWISE SHOWN ON THE PLANS:

1. *LESS THAN 100 FEET IN CONDUCTOR LENGTH: #12 PHASE/NEUTRAL CONDUCTORS & #12 GROUND*
2. *100 TO 150 FEET IN CONDUCTOR LENGTH: #10 PHASE/NEUTRAL CONDUCTORS & #10 GROUND*
3. *GREATER THAN 150 FEET IN CONDUCTOR LENGTH: #8 PHASE/NEUTRAL CONDUCTORS & #8 GROUND*

NORTH

SOUTH

SCANNELL PROPERTIES

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913.492.2400 WWW.PKMRENG.COM

SHEET TITLE

MEP - ROOF PLAN

SHEET NUMBER

MEP2.01