LOUVER SCHEDULE

TAG	EQUIPMENT SERVED	SIZE W" X H" X D"	MIN. FREE AREA (FT^2)	FACE VELOCITY (FPM)	TYPE	CONSTRUCTION	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER
L-1	OUTSIDE AIR INTAKE - COLD STORAGE 101	84" x 48" x 6"	17.72	497	STATIONARY	EXTRUDED ALUMINUM	RUSKIN ELF6350DMP

EXHAUST FAN SCHEDULE

TAG	AREA SERVED	SYSTEM	CFM	ESP	RPM	BRAKE H.P.	MOTOR H.P.	VOLTAGE @ 60HZ.	DRIVE	FAN TYPE	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER	CONTROLS
EF-1	101 COLD STORAGE	EXHAUST	8800	0.70	674	2.08	5	208/230/3	DIRECT	ROOF MOUNTED	GREENHECK MODEL: CUE-300-C-VGD	INTERLOCKED WITH VCP-1

NOTE: 1. FACTORY MOUNTED DISCONNECT SHALL BE PROVIDED AT ALL EXHAUST FANS.
2. PROVIDE LOW LEAKAGE MOTORIZED DAMPERS ON EXHAUST FANS LOCATED ON ROOF AND AS IDENTIFIED ON THE CONTRACT DOCUMENTS.
3. DAMPERS SHALL PROVE OPEN PRIOR TO ENGAGING EXHAUST FAN.

GRILLE, REGISTER & DIFFUSER SCHEDULE

TAG	DESCRIPTION	NECK	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER
E-1	48" x 18" ALUMINUM LOUVERED GRILLE WITH SQUARE NECK	SEE DRAWING	TITUS MODEL 350RL

MOTORIZED DAMPER ACTUATOR SCHEDULE

TAG	SYSTEM SERVED	AIRFLOW (CFM)	SIZE (H" x W")	VOLTAGE	TORQUE (IN-LB)	OPERATION	RUNTIME (S)	PROTECTION	BASIS OF DESIGN MANUFACTURER & MODEL NUMBER
MD-1	INTAKE	8,800	60" x 36"	24V	90	ON / OFF	95	NEMA 2	BELIMO NMB24-3
MD-2	EXHAUST	8,800	54" x 20"	24V	45	ON / OFF	95	NEMA 2	BELIMO LMB24-10R-HM

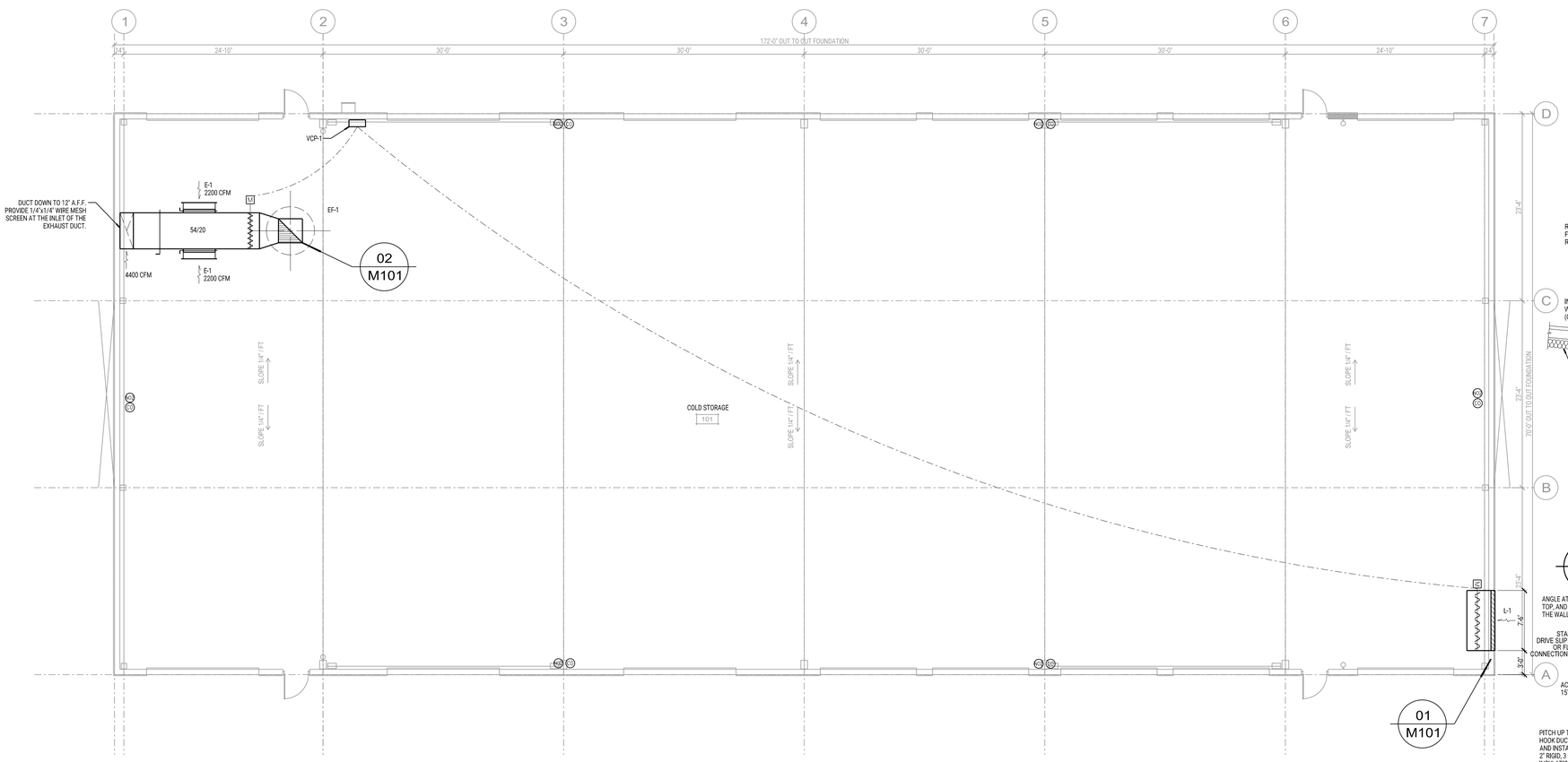
GENERAL NOTES

1. PROVIDE OWNER WITH OPERATION AND MAINTENANCE MANUALS. TESTING AND BALANCING REPORTS UPON JOB COMPLETION. THE AGENCY RESPONSIBLE FOR BALANCING OF THE VENTILATION SYSTEM SHALL DOCUMENT IN WRITING THE AMOUNT OF OUTDOOR AIR BEING PROVIDED AND DISTRIBUTED AND SHALL RETAIN A COPY OF THE DOCUMENT ON SITE, AND SHALL BE MADE AVAILABLE TO THE STATE DEPT. OF SAFETY UPON REQUEST.
2. CONTRACTOR TO COORDINATE WITH ALL TRADES.
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING MOUNTING HEIGHTS OF CO & NO2 SENSORS WITH MANUFACTURER'S REQUIREMENTS AND ALL APPLICABLE CODES.
4. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL WALL PENETRATIONS WITH THE GENERAL CONTRACTOR.
5. GAS SENSING EQUIPMENT, CONDUIT AND BOXES SHALL BE INSTALLED PER DIVISION 26.
6. ALL MECHANICAL CONTROL DEVICES SHALL BE CAPABLE OF OPERATING WITHIN THE UNCONDITIONED SPACE.

HVAC SYMBOL LEGEND

	SUPPLY AIR INDICATOR
	RETURN/EXHAUST AIR INDICATOR
S	SPEED CONTROLLER
SD	DUCT SMOKE DETECTOR
T	THERMOSTAT
DP	DIFFERENTIAL PRESSURE SENSOR
M	MOTOR OPERATED DAMPER
	VOLUME DAMPER
	FIRE DAMPER
RD	RADIATION DAMPER

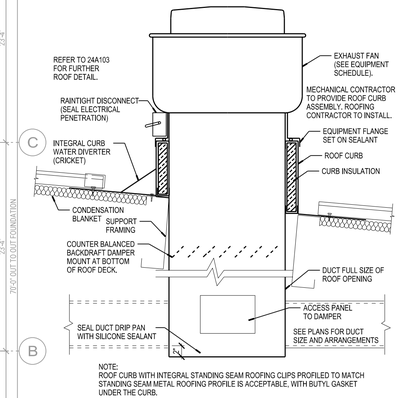
NOTE: ALL SYMBOLS MAY NOT BE USED IN THIS SET.



FIRST FLOOR MECHANICAL PLAN

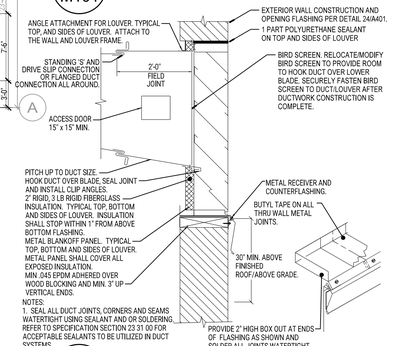
NORTH

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



02 M101 TYPICAL ROOF EXHAUST FAN DETAIL

SCALE: NONE



01 M101 LOUVER INSTALLATION DETAIL

SCALE: NO SCALE

ANGUS-YOUNG ARCHITECTS/ENGINEERS
A/E PROJ. NO.: 76960
Address: 555 South River Street Janesville, WI 53548 Ph: (608) 756-2326

State of Wisconsin
Department of Natural Resources
Division of Facilities Development and Management

Project Address: 437 GRIFFITH AVE. WISCONSIN RAPIDS, 54494

EQUIPMENT STORAGE BUILDING
WISCONSIN RAPIDS SERVICE CENTER
DEPARTMENT OF NATURAL RESOURCES
WISCONSIN RAPIDS, WISCONSIN

Sheet Title: FIRST FLOOR MECHANICAL PLAN

Revisions:

No.	Date:	Description:
BD	11/17/2025	BID DOCUMENTS

Scale	AS INDICATED
Graphic Scale	AS INDICATED
DFD Number	23E2SREBID
Set Type	BD
Date Issued	11/17/2025
Sheet Number	M101

SCALE: 1/8"=1'-0"
PLOTTED BY: BobW
ORIGINAL SIZE = 24" x 36"
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