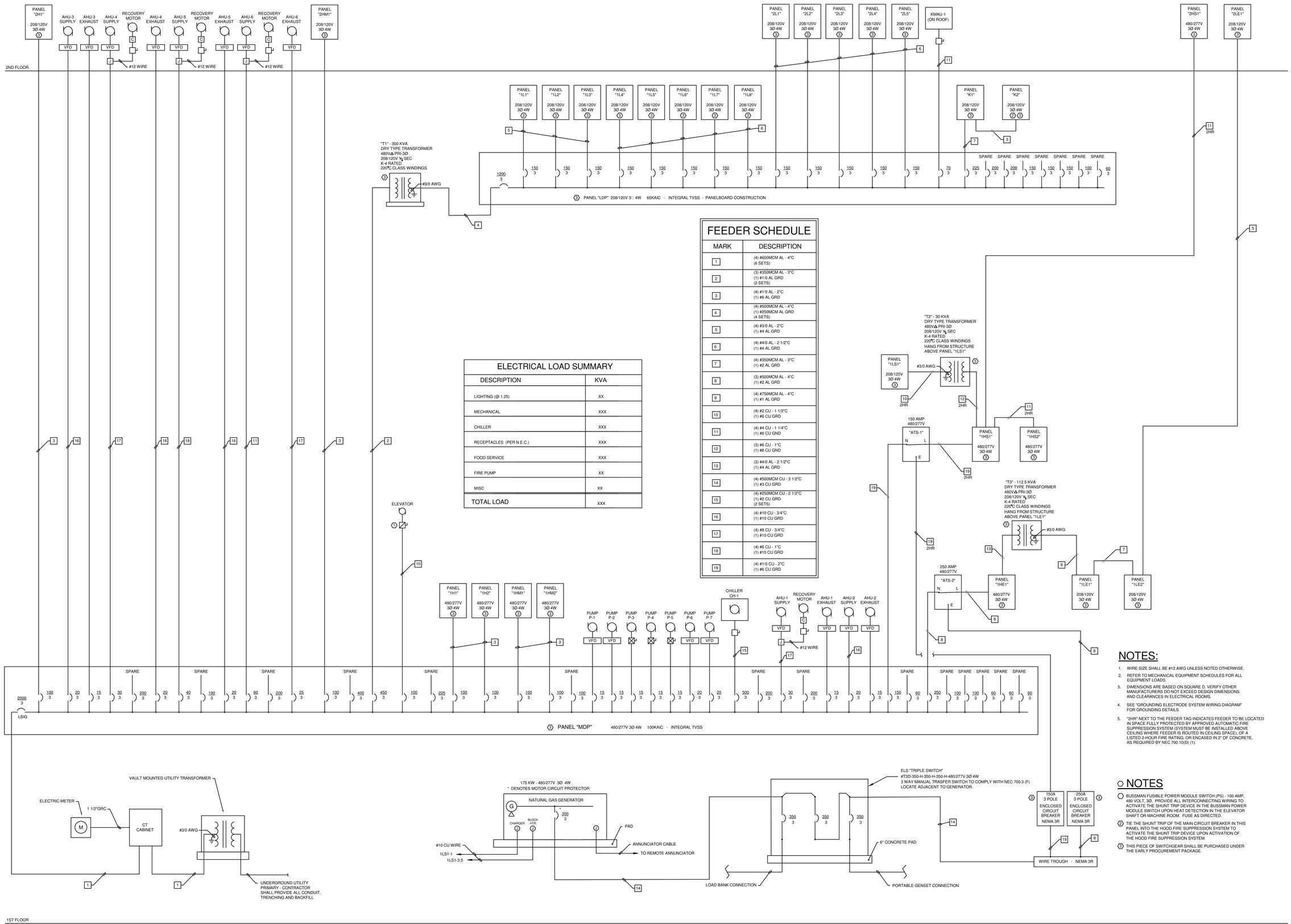

FEEDER SCHEDULE

MARK	DESCRIPTION
1	(4) #600MCM AL - 4"C (6 SETS)
2	(3) #350MCM AL - 3"C (1) #1/0 AL GRD (2 SETS)
3	(4) #1/0 AL - 2"C (1) #6 AL GRD
4	(4) #500MCM AL - 4"C (1) #250MCM AL GRD (4 SETS)
5	(4) #3/0 AL - 2"C (1) #4 AL GRD
6	(4) #4/0 AL - 2 1/2"C (1) #4 AL GRD
7	(4) #350MCM AL - 3"C (1) #2 AL GRD
8	(3) #500MCM AL - 4"C (1) #2 AL GRD
9	(4) #750MCM AL - 4"C (1) #1 AL GRD
10	(4) #2 CU - 1 1/2"C (1) #6 CU GRD
11	(4) #4 CU - 1 1/4"C (1) #8 CU GND
12	(3) #6 CU - 1"C (1) #8 CU GND
13	(3) #4/0 AL - 2 1/2"C (1) #4 AL GRD
14	(4) #500MCM CU - 3 1/2"C (1) #3 CU GRD
15	(4) #250MCM CU - 2 1/2"C (1) #2 CU GRD (2 SETS)
16	(4) #10 CU - 3/4"C (1) #10 CU GRD
17	(4) #8 CU - 3/4"C (1) #10 CU GRD
18	(4) #6 CU - 1"C (1) #10 CU GRD
19	(4) #1/0 CU - 2"C (1) #6 CU GRD

ELECTRICAL LOAD SUMMARY

DESCRIPTION	KVA
LIGHTING (@ 1.25)	XX
MECHANICAL	XXX
CHILLER	XXX
RECEPTACLES (PER N.E.C.)	XXX
FOOD SERVICE	XXX
FIRE PUMP	XX
MISC	XX
TOTAL LOAD	XXX

NOTES:

1. WIRE SIZE SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
2. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR ALL EQUIPMENT LOADS.
3. DIMENSIONS ARE BASED ON SQUARE D. VERIFY OTHER MANUFACTURERS DO NOT EXCEED DESIGN DIMENSIONS AND CLEARANCES IN ELECTRICAL ROOMS.
4. SEE "GROUNDING ELECTRODE SYSTEM WIRING DIAGRAM" FOR GROUNDING DETAILS.
5. "2HR" NEXT TO THE FEEDER TAG INDICATES FEEDER TO BE LOCATED IN SPACE FULLY PROTECTED BY APPROVED AUTOMATIC FIRE SUPPRESSION SYSTEM (SYSTEM MUST BE INSTALLED ABOVE CEILING WHERE FEEDER IS ROUTED IN CEILING SPACE), OF A LISTED 2-HOUR FIRE RATING, OR ENCASED IN 2" OF CONCRETE, AS REQUIRED BY NEC 700.10(D) (1).

NOTES

1. BUSSMAN FUSIBLE POWER MODULE SWITCH (PS) - 100 AMP, 480 VOLT, 3Ø. PROVIDE ALL INTERCONNECTING WIRING TO ACTIVATE THE SHUNT TRIP DEVICE IN THE BUSSMAN POWER MODULE SWITCH UPON HEAT DETECTION IN THE ELEVATOR SHAFT OR MACHINE ROOM. FUSE AS DIRECTED.
2. TIE THE SHUNT TRIP OF THE MAIN CIRCUIT BREAKER IN THIS PANEL INTO THE HOOD FIRE SUPPRESSION SYSTEM TO ACTIVATE THE SHUNT TRIP DEVICE UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM.
3. THIS PIECE OF SWITCHGEAR SHALL BE PURCHASED UNDER THE EARLY PROCUREMENT PACKAGE.

ONE LINE POWER RISER DIAGRAM

N.T.S.

PROJECT NO 2203-1

ARCHITECTURAL VISION GROUP, LTD
ARCHITECTS • PLANNERS
23850 SPERRY DRIVE CLEVELAND, OHIO 44145

PROFESSIONAL SEAL: STATE OF OHIO TIMOTHY J. CZOY 69694 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT: J.M. VERDOSTKO, INC. CONSULTING ENGINEERS 2781 EAST TAMARA DRIVE BROOKLYN, OHIO 44144

MASSILLON CITY SCHOOL
MASSILLON WEST ELEMENTARY
PK-3
250 29TH STREET NW, MASSILLON, OHIO 44646

MARK	DATE	DESCRIPTION
	07/12/23	100% - BID / PERMIT SET
	05/24/23	EARLY PROCUREMENT PACKAGE

ISSUED AS:

PROJECT NO	2203-1
DRAWN BY	KVE
CHECKED BY	TJC
DATE	07/12/23

ONE LINE POWER RISER DIAGRAM

SCALE: 12" = 1'-0"

SHEET NO E-401