

ADDENDUM NO. 1

NEW BUILDING FOR CELINA ELECTRICAL DEPARTMENT

CITY OF CELINA, OHIO

Project No. 220803.02

Index of Contents

Addendum No. 1, 6 Items, 3 Pages

Attachments

Revised Drawing E-1
Revised Drawing H-1

June 16, 2022

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Engineer under the Laws of the State of Ohio.

ACCESS ENGINEERING SOLUTIONS



TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 1 to Drawings and Specifications for the New Building for Celina Electrical Department project, City of Celina, Ohio; as prepared by Access Engineering Solutions, Celina, Ohio.

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum and acknowledge the receipt of said addendum on the bid forms.

ITEM NO. 1 – Construction Drawings – Sheet E-1

- a) The attached revised Sheet E-1 drawing will replace the original drawing included in the bid documents. The revision to the drawing includes the addition of light switches.

ITEM NO. 2 – Construction Drawings – Sheet E-2

- a) GFI breakers can be used on the overhead door opener outlets in lieu of GFI receptacles.

ITEM NO. 3 – Construction Drawings – Sheet E-3

- a) The 400 amp 3 phase transfer switch is to be an automatic type switch manufactured by Kohler.

ITEM NO. 4 – Construction Drawings – Sheet A-3

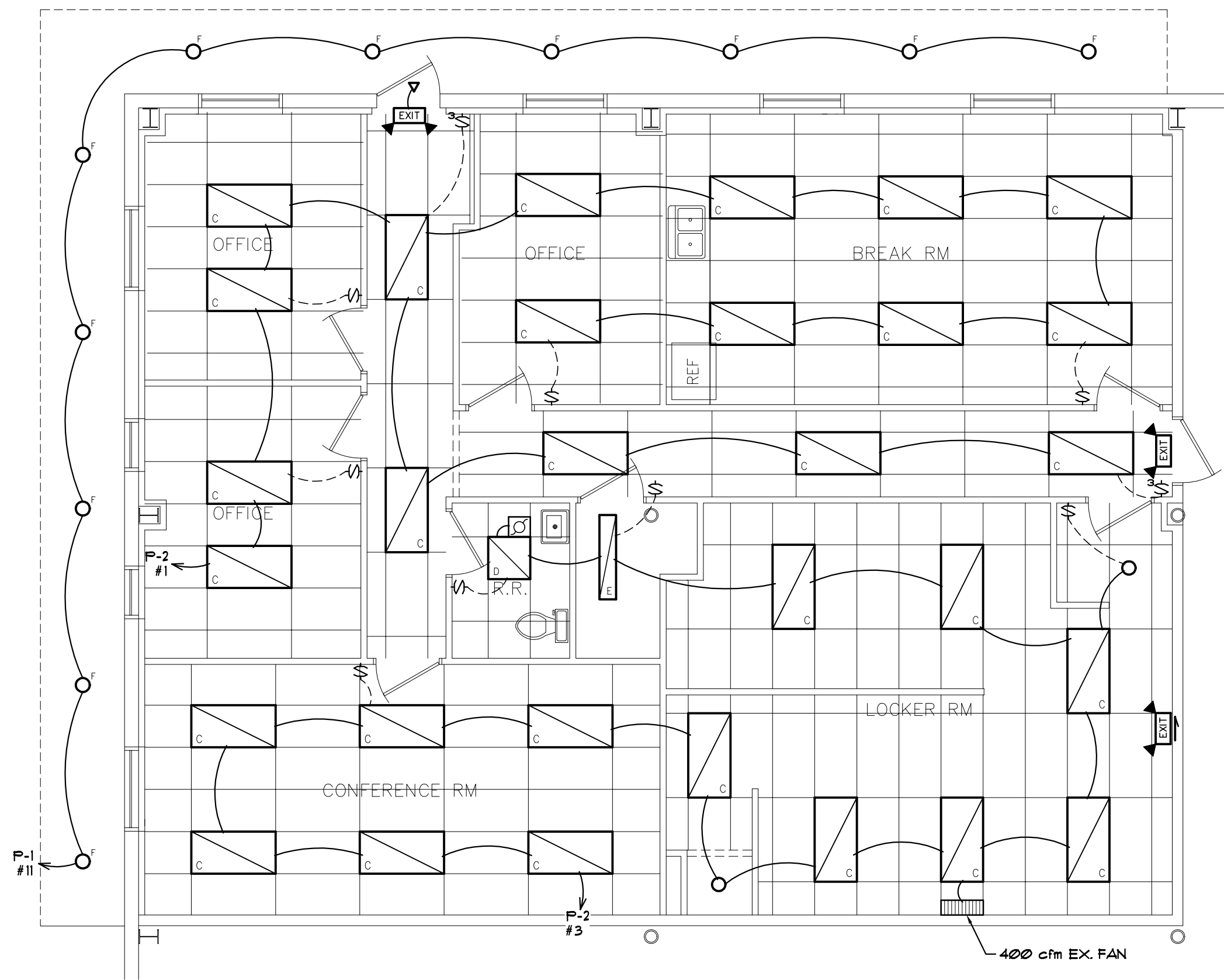
- a) Door Schedule: The overhead doors are to be equipped with high-lift tracks and a commercial grade heavy duty jack-shaft operator. Delete the references to standard lift track and overhead door openers. The overhead door electrical outlets are to be located to accommodate the jack-shaft operator.
- b) Room Finish Schedule: Where vinyl flooring is listed, this is to be vinyl composition tile (VCT), Armstrong Standard Excelon Imperial Texture flooring, or an owner approved equal. Color to be chosen by the owner from manufacturer's standard colors.

ITEM NO. 5 - Specification Section 00200 – Information Available to Bidders

- a) Item C. g. – An all vinyl type window is permitted. Pella and Midway are also an approved window manufacturer.
- b) Item D. - Clarification that the contractor supplied sprinkling system design and layout is to include any and all required monitoring/call-out/alarm systems as per applicable building code requirements. Necessary riser pipe, backflow prevention devices, and a Siamese FDC consisting of two (2) 2.5" hose connections per local fire department approval are also to be included. In addition, a KnoxBox 3200 (black, no tamper switch required) is to be supplied and surface mounted on the exterior of the building at an owner approved location.
- c) Add the following "Item E. The approved list of pre-engineered metal building manufacturers is as follows: Butler, Nucor, Kirby, American Buildings or an owner approved equal".

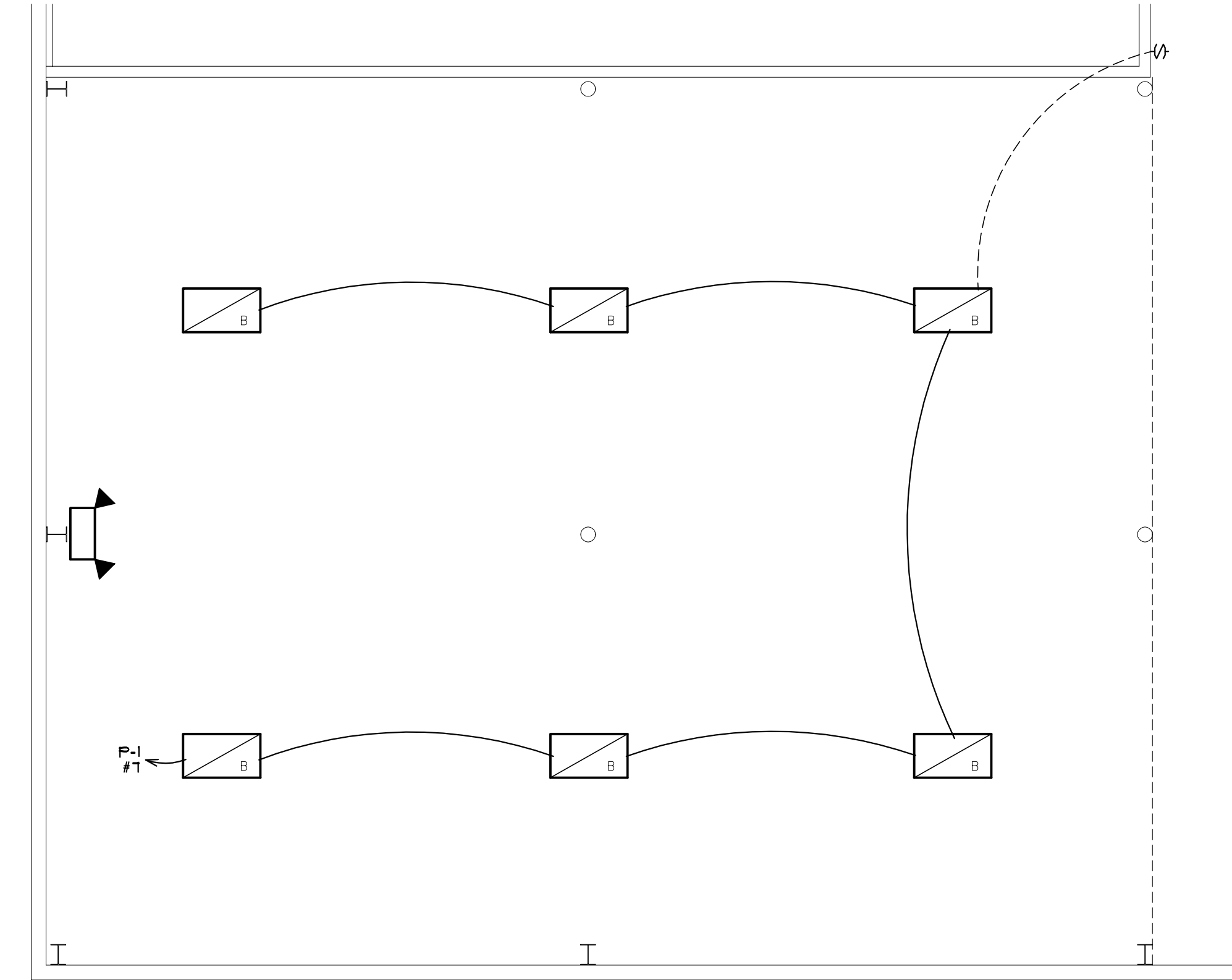
ITEM NO. 6 – Construction Drawings – Sheet H-1

- a) The attached revised Sheet H-1 drawing will replace the original drawing included in the bid documents. The revision to the drawing includes the addition of manual exhaust fan controls.

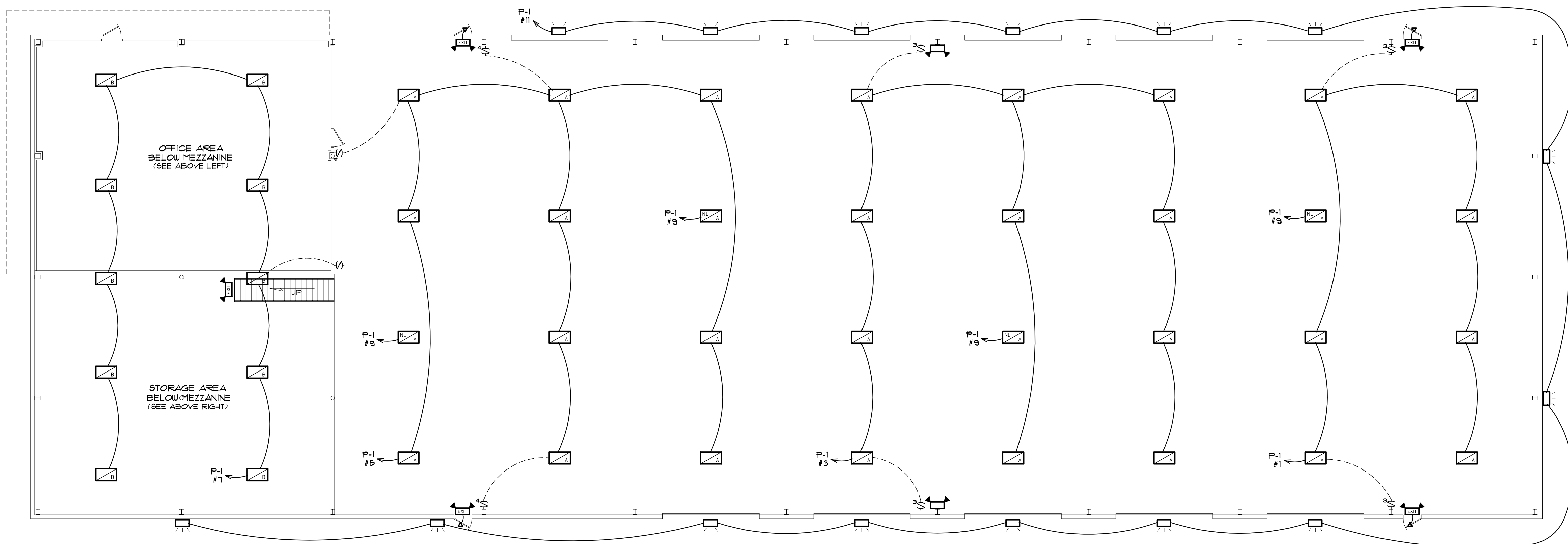


OFFICE PLAN
SCALE: 3/16" = 1'-0"

FIXTURE LEGEND	
	ECONOLIGHT C-PHB-C-L2F-21L-50K-UH-UH LED HIGH BAY FIXTURE
	ECONOLIGHT C-PHB-C-L2F-21L-50K-UH-UH LED HIGH BAY FIXTURE (NIGHT LIGHT)
	ECONOLIGHT C-PHB-C-L2F-12L-50K-UH-UH LED LOW BAY FIXTURE
	ECONOLIGHT C-TR-C-PP24-50L-50K-UH LED LAY-IN TROFFER FIXTURE
	ECONOLIGHT C-TR-C-PP22-49L-50K-UH LED LAY-IN TROFFER FIXTURE
	LED 4 FT STRIP, 50 WATT, 45K LUMENS LITHONIA M-VOLT SERIES
	HALO ETIC CAN w/ LITHONIA TRIM (ON PHOTOCELL)
	ECONOLIGHT C-UP-B-TR-9L-50K-UL-B2 LED WALL PACK
	OH DOOR MOTOR CEILING RECEPTACLE
	GROUND FAULT RECEPTACLE # 18" AFF.
	LIGHT SWITCH # 48" AFF.
	3-WAY LIGHT SWITCH # 48" AFF.
	ECONOLIGHT E-XCLRW EXIT / EMERGENCY LIGHT, 120V, 90 MIN. BATTERY
	ECONOLIGHT E-XMLI EMERGENCY LIGHT FIXTURE WITH 90 MIN. BATTERY
	RR EXHAUST FAN (15 cfm)



STORAGE AREA BELOW MEZZANINE
SCALE: 3/16" = 1'-0"

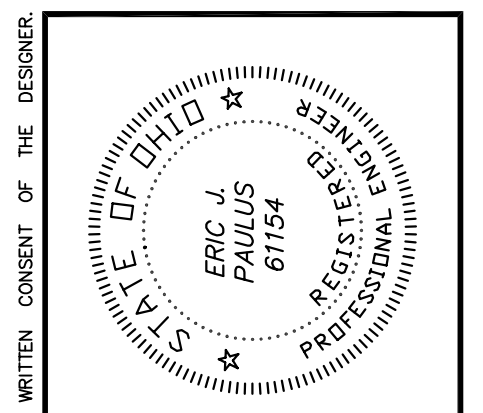


LIGHTING PLAN
SCALE: 3/32" = 1'-0"

ELECTRICAL NOTES:

- ALL ELECTRICAL WORK WILL COMPLY WITH THE REQUIREMENTS OF CHAPTER 21 O.B.C. AND THE NATIONAL ELECTRIC CODE (NEC) NFPA 70, O.B.C. APPROVED EDITION, AND IS SUBJECT TO THE APPROVAL OF THE ELECTRICAL INSPECTOR ASSIGNED BY THE MERCER COUNTY BUILDING DEPARTMENT.
- EMERGENCY MEANS OF EGRESS LIGHTING SHALL BE PROVIDED FROM AN INDEPENDENT POWER SOURCE OR OTHER APPROVED AUXILIARY SOURCE OF POWER TO ASSURE CONTINUED ILLUMINATION IN CASE OF EMERGENCY OR PRIMARY POWER LOSS FOR A DURATION OF NOT LESS THAN 1 1/2 HOURS. REFER TO SECTION 1006.3 O.B.C.
- THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT (BATTERY PACK) EXIT SIGNS WILL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA WHERE EACH SIGN IS LOCATED AND WILL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES. (ACCORDING TO THE LATEST EDITION OF O.B.C. AND 1000.12 (F) NEC.)
- OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS, SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING PER NEC 300-21.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL ELECTRICAL POWER UTILITY COMPANY FOR DETERMINING THE PROPER GROUND FAULT PROTECTION SWITCH REQUIRED.
- ALL MATERIAL AND EQUIPMENT INCLUDING SWITCHES, RECEPTACLES, FIXTURES, ETC. SHALL BE UL LISTED.
- GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE IN COMPLIANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. RESISTANCE TO GROUND OF ELECTRODE SHALL BE 25 OHMS OR LESS. DRIVE ADDITIONAL RODS AS NECESSARY TO ACHIEVE THIS MEASUREMENT.
- ALL WIRING EXCEPT CONTROL WIRING SHALL BE COPPER OR TYPE THHN, THWN, OR XHHW, MINIMUM WIRE SIZE OF 12 AWG. ALL WIRING TO BE IN CONDUIT (EXCEPT OFFICE AREA CAN USE MC CABLE).
- ALL CONDUIT SHALL BE A MINIMUM SIZE OF 1/2". ALL UNDERGROUND CONDUIT TO BE PVC SCH 40. ALL CONDUIT IN BUILDING TO BE EMT OR RIGID, MC CABLE IS PERMITTED FOR MOTOR AND UNIT HEATER CONNECTIONS. SHOP AREA, STORAGE AREA AND MEZZANINE TO HAVE EXPOSED CONDUIT.

△ LIGHT SWITCHES ADDED



PREFERRED DESIGN LTD.
23 N. CENTER STREET
VERSAILLES, OH 45380
PHONE (937) 626-4444

ENGINEERING & DESIGN

PROJECT NO.	21-21
DRAWING NO.	ELEC-LIDUG
REVISIONS	6-9-22
DRAWING BY	EPF

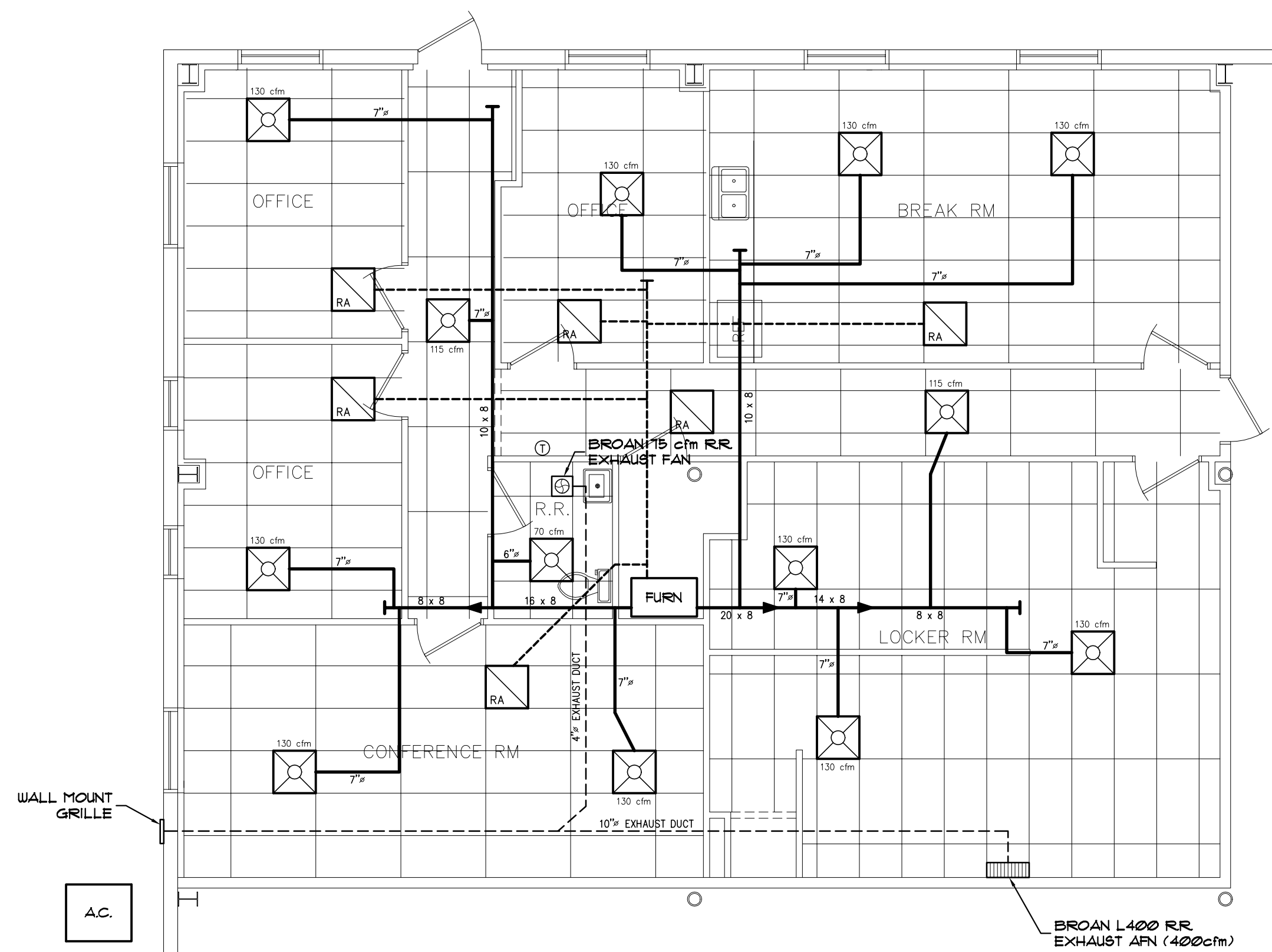
**NEW BUILDING FOR
CITY OF CELINA ELECTRICAL DEPT**

104 NORTH STREET
MERCER COUNTY
CELINA, OHIO 45822

DATE: 1-27-21

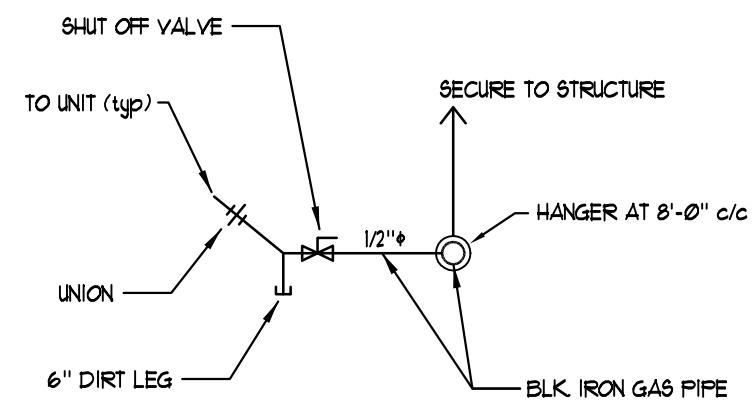
E-1

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE THE ORIGINAL AND UNPUBLISHED WORK OF THE DESIGNER AND THE SAME MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER.



OFFICE PLAN
SCALE: 3/16" = 1'-0"

- TITUS TMS 2' x 2' SUPPLY AIR LAY-IN DIFFUSER
- TITUS PAR 2' x 2' RETURN AIR LAY-IN DIFFUSER
- PROGRAMMABLE THERMOSTAT

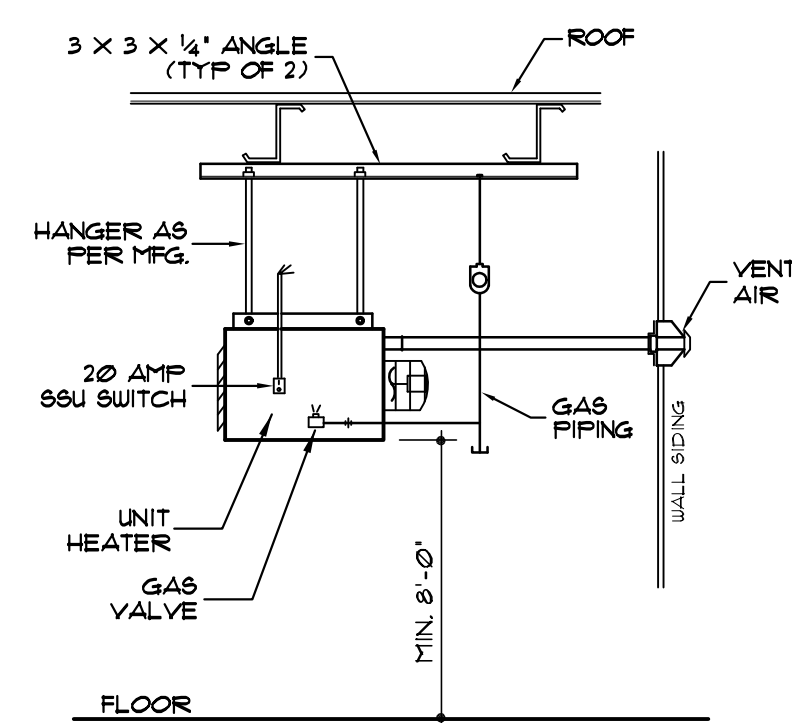


TYP. GAS CONNECTION DETAIL

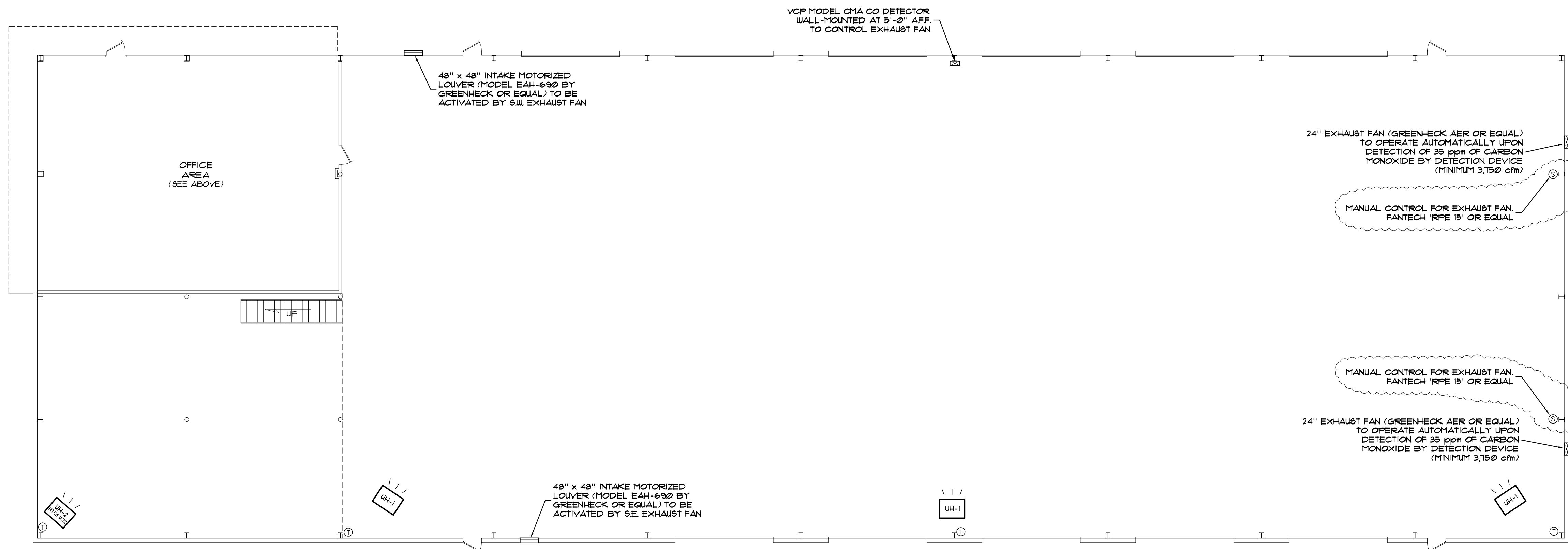
NOTE: PROVIDE SHUT-OFF VALVE ON EXTERIOR OF BUILDING WHERE GAS LINE ENTERS INTO THE BUILDING. VERIFY WITH GAS COMPANY.

H.V.A.C. SCHEDULE													
SYM.	CFM	OUTSIDE AIR (cfm)	VOLTS	PH	FLA	EFFIC. SEER	AFUE	EFFIC. COP	HT-MBH	CLG-MBH	MANUF.	MODEL	REMARKS
FURN	1600	218	120	1	7	95%	NA	NA	100	95	NA	RA-9506	NAT GAS FURNACE w/ CONCENTRIC VENT
A.C.	N/A	218	208/230	1	28	NA	13.0	NA	NA	48	NA	RA-1348	4 TON AIR COND.
UH-1	3700	0	120	1	8	83%	NA	NA	250	207	NA	PDP 250	LNG UNIT HEATER
UH-2	1150	0	120	1	4	83%	NA	NA	75	62	NA	HD 75	LNG UNIT HEATER

NOTES: PROVIDE DUCT TO EXTERIOR FOR OUTSIDE AIR UNITS OVER 2000 cfm TO HAVE SMOKE DETECTOR IN R/A DUCT



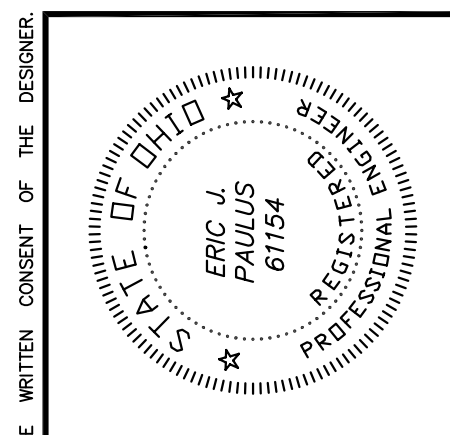
HEATER VENT DETAIL
SCALE: N.T.S.



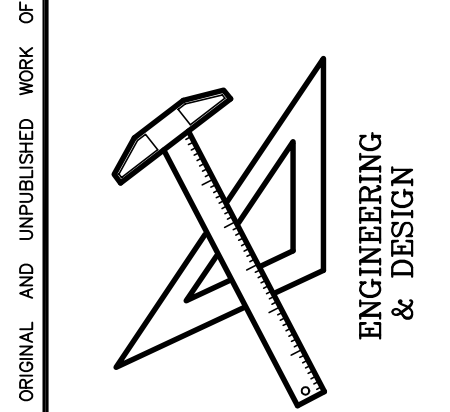
HVAC PLAN
SCALE: 3/32" = 1'-0"

HVAC GENERAL NOTES:

- HVAC CONTRACTOR TO SUPPLY, INSTALL, BALANCE AND TEST A COMPLETE WORKING SYSTEM FOR HEATING AND COOLING AS SHOWN ON THESE DRAWINGS AND IN ACCORDANCE WITH STATE AND LOCAL CODES AND STANDARD PRACTICES. DRAWINGS ARE A SCHEMATIC ONLY AND CONTRACTOR IS RESPONSIBLE FOR DEVIATIONS FOR A COMPLETE WORKING SYSTEM.
- INSTALL ALL EQUIPMENT IN WORKMANSHIP LIKE MANNER PROPERLY ATTACHED TO BUILDING STRUCTURE WHERE REQUIRED.
- ALL DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LATEST EDITION OF THE SMACNA STANDARDS FOR LOW PRESSURE DUCT CONSTRUCTION. GALVANIZED SHEET METAL DUCTS (MINIMUM 18 GAUGE) AND PIPES ARE TO BE USED FOR ALL DUCTS EXCEPT FIBERBOARD DUCT MAY BE PROVIDED WHEN IN ACCORDANCE WITH LOCAL CODES.
- ALL SUPPLY AND RETURN DUCTWORK TO BE WRAPPED WITH 1-1/2" THICK PCF FIBERGLASS DUCTURAP® WITH ALL SERVICE JACKET. (NONAF DUCTURAP WITH COMMERCIAL FSK FACING) OR EQUAL.
- REMOVE ALL DEBRIS CREATED DURING EXECUTION OF THIS CONTRACT AND CLEAN ALL AIR DEVICES AT COMPLETION OF WORK.
- PROVIDE ONE YEAR WARRANTY ON ALL LABOR AND MATERIAL.
- FIRE DAMPERS (WHEN REQUIRED) SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTION SHEET TO PRESERVE UL CLASSIFICATION AND RATING. (CMC, ARTICLE M-311)
- ROUND DUCT 14" Ø AND LESS MAY BE FLEXIBLE DUCT OF CLASSIFICATION UL-181, CLASS 1 FOR S.A. AND R/A ONLY ACCORDING TO CMCA ARTICLE M-303.
- ALL EXHAUST AIR AND FRESH AIR INTAKES TO BE METAL SLOPED TO THE OUTSIDE AND INSULATED WITH 1-1/2" INSULATION WITH VAPOR BARRIER.
- HEATING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS UNDERWRITER APPROVAL, THE MANUFACTURER'S RECOMMENDATIONS, GOOD ENGINEERING PRACTICE AND IN ACCORDANCE WITH THE LATEST EDITION OF THE CMCA.
- HVAC CONTRACTOR SHALL VERIFY DUCT SIZING AND CONTACT DESIGNER WITH ANY DISCREPANCIES THAT MAY EXIST.
- ALL HVAC UNITS 2,000 CFM OR OVER REQUIRE DUCT-MOUNTED SMOKE DETECTORS.
- CMC 403.3 MECHANICAL VENTILATION - REQUIRED OUTDOOR AIRFLOW CALCULATION:
 - OFFICE AREA: 136.0 sf x 10 PERSON/1,000 sf = 20 PERSONS (5 cfm/PERSON x 20 PERSONS) = 100 cfm
 - 100 cfm + 10 cfm = 110 cfm
 - 218 cfm
- CMC 403.2 NATURAL VENTILATION RATE - REQUIRED OUTDOOR OPENABLE AREA:
 - SHOP/STORAGE/MEZZANINE: (72,000 sf x 4%) = 880 cfm (REQ'D)
 - PROVIDED: 11' x 14' x 16" OH DOORS = 2,464 sf
 - 4' x 3' x 7' DOORS = 84 sf
 - 2,548 sf OK



PREFERRED DESIGN LTD.
23 N. CENTER STREET
VERSAILLES, OH 45380
PHONE (937) 626-4444



PROJECT NO.	21-21
DRAWING NO.	HVAC-DWG
REVISIONS	6-9-22
DRAWING BY	EP

NEW BUILDING FOR CITY OF CELINA ELECTRICAL DEPT
104 NORTH STREET
HERCER COUNTY
CELINA, OHIO 45822

DATE: 7-27-21
H-1