

D.T.F. ENGINEERING PLLC
DAVE FARBER P.E. LICENSE # 074112

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MEYERS DESIGN AND DRAFTING

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 265 BATES-WILSON ROAD SO. PLYMOUTH, NY. 13844
 (607) 334-7429 FAX 334-2018

PROJECT

ERIC UMBARGER
PROPOSED HOUSE-BARN RESIDENCE
 738 LOCKWOOD ROAD
 TOWN OF LAPEER
 CORTLAND COUNTY

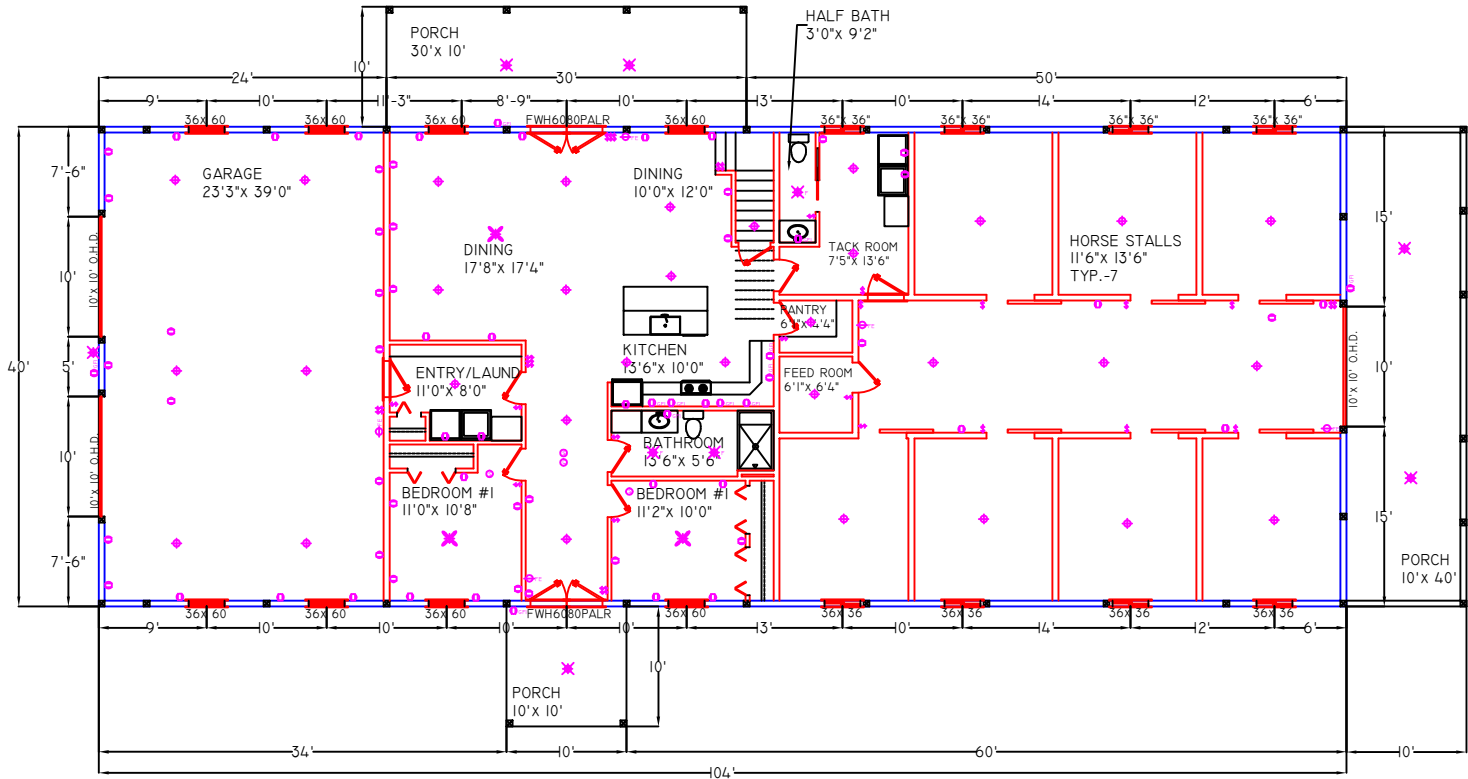
SHT. NAME

ELEVATIONS

SHT. NO.

1

DRAWN BY: PETE MEYERS
 DATE: JUNE 2023
 PROJ.: MATT PERRY
 SCALE: 1" = 10'-0"



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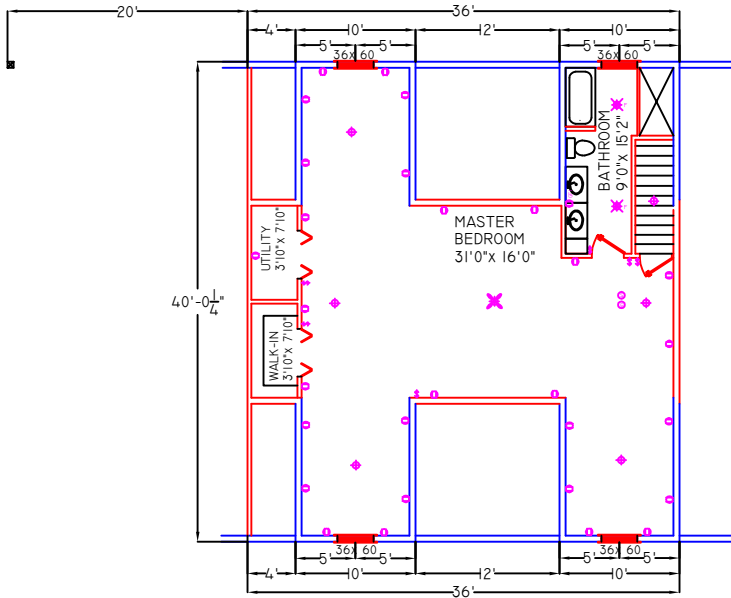
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SHT. NAME: **FIRST FLOOR PLAN**
 SHT. NO.: **2**



ELECTRIC LAYOUT

LEGEND

- ⊞ - SWITCH
- ⊖ - OUTLET-ARC FAULT CIRCUIT INT. PROTECTOR
- ⊖ - GFI - GR. FAULT OUTLET
- ⊙ - INTERIOR LAMP
- ⊗ - EXTERIOR LIGHT
- ⊗ - F- LIGHT/FAN UNIT (50CF5)
- ⊖ - FE- FIRE EXTINGUISHER
- ⊙ - SMOKE DETECTOR
- ⊙ - CARBON MONOXIDE DETECTOR
- ⊗ - LIGHT AND FAN

NOTES:

1.) ALL SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS MUST BE HARD WIRED AND INTER CONNECTED SO IF ONE GOES OFF THEY ALL GO OFF.

INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICIENCY LAMPS



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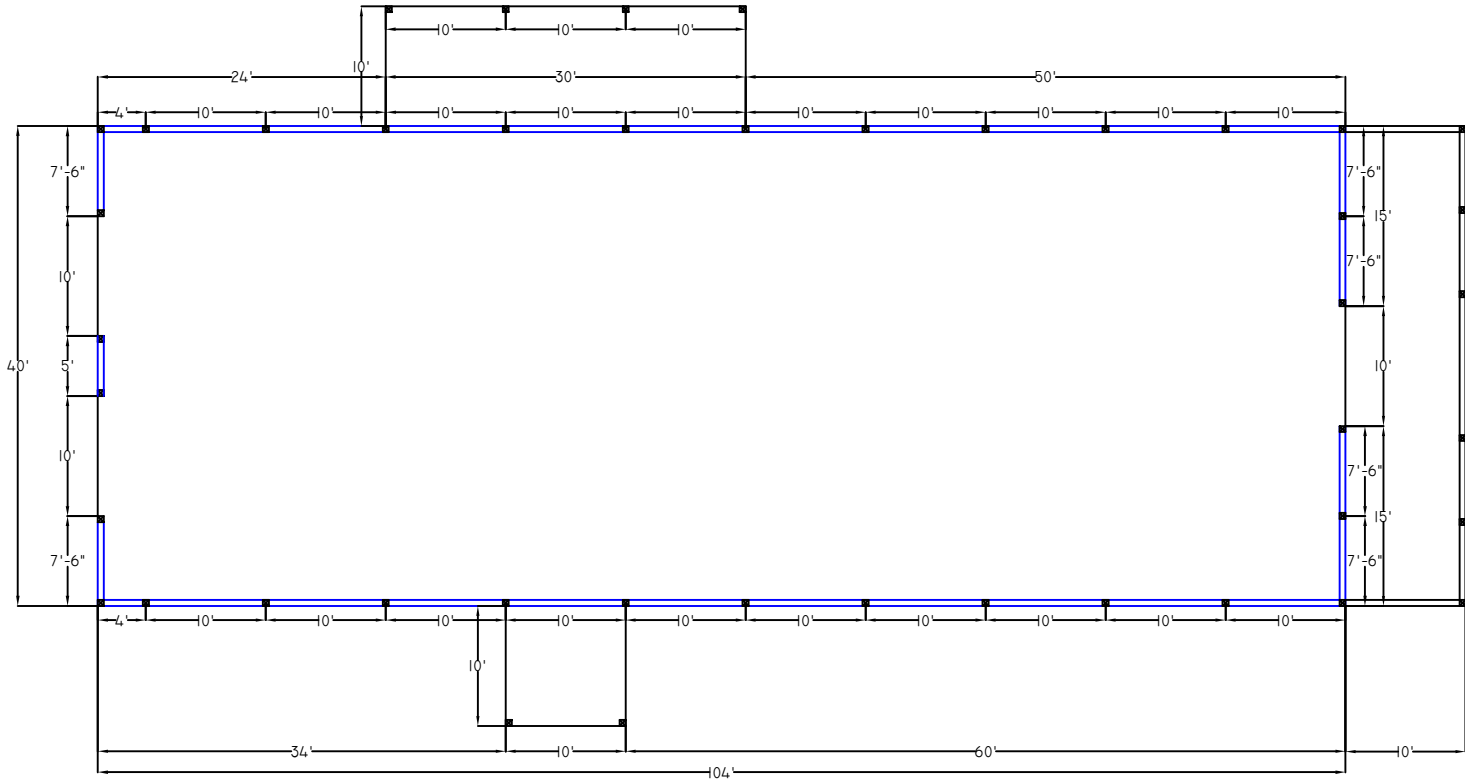
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SHT. NAME: SECOND FLOOR PLAN

SHT. NO. 3



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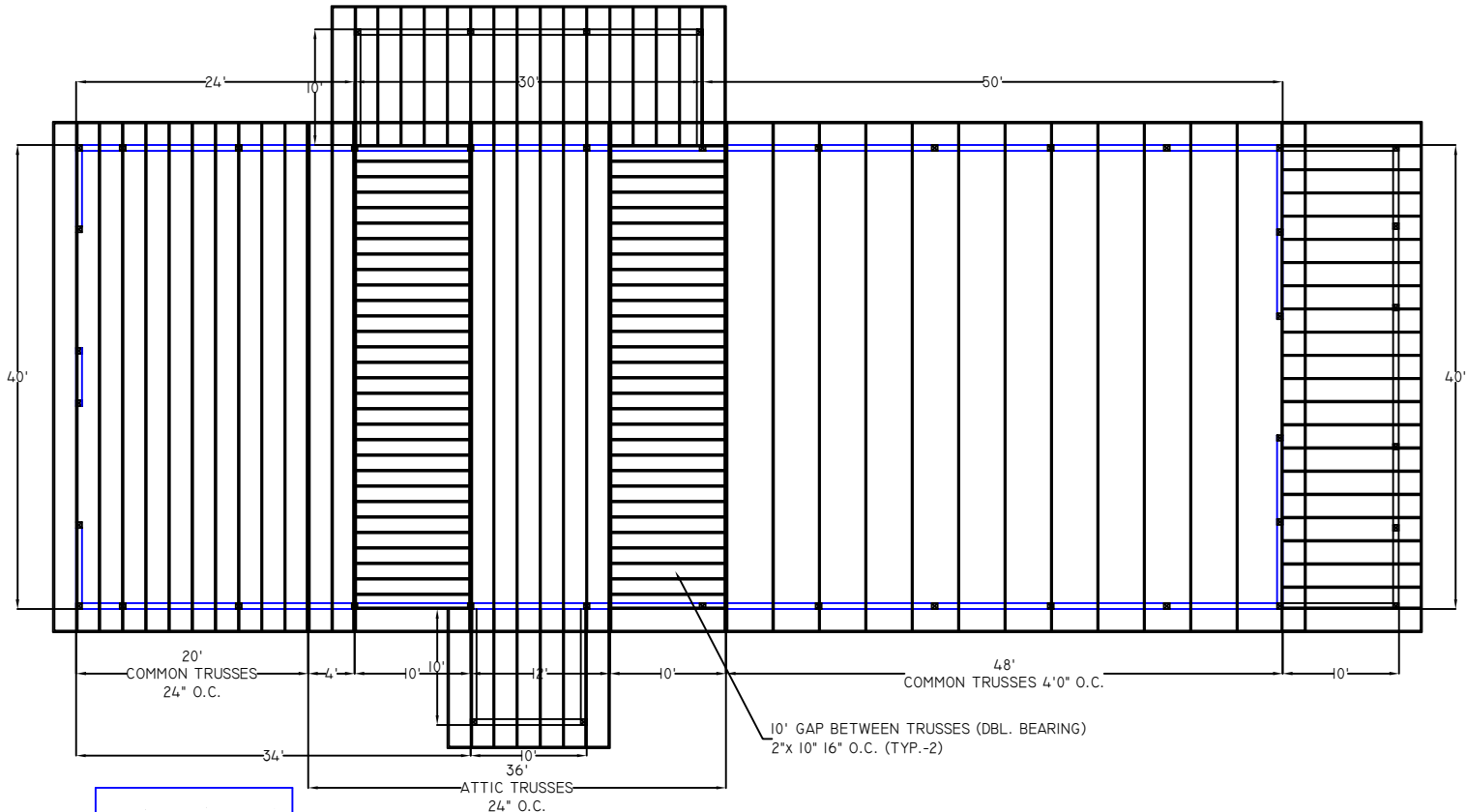
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SHT. NAME: POST LAYOUT PLAN

SHT. NO. 4



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SHT. NAME: ROOF TRUSS PLAN
 SHT. NO.: 5

SPECIFICATIONS

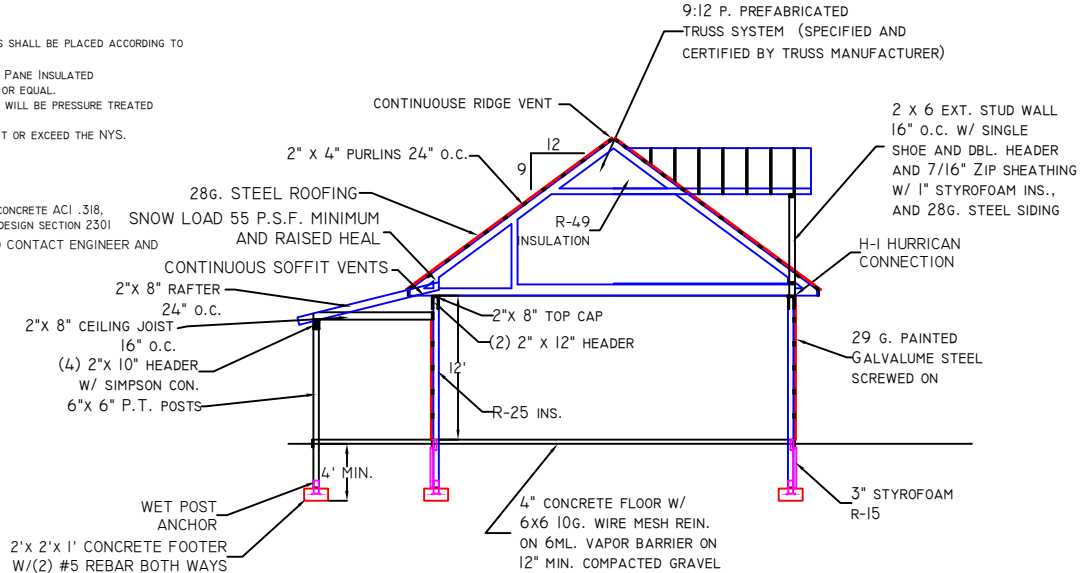
1. PLUMBING SHALL BE IN ACCORDANCE TO THE 2020 INTERNATIONAL PLUMBING CODE
2. HEATING SPECIFICATIONS PER MECHANICAL CODE 2020 OF THE INTERNATIONAL CODE
3. BEARING PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2020 INTERNATIONAL BUILDING CODE AND SHALL ADEQUATELY CARRY AND TRANSMIT ALL DESIGN LOADS.
4. ALL CONSTRUCTION SHALL MEET OR EXCEED THE 2020 INTERNATIONAL BUILDING CODE AND ALL STANDARDS REFERENCED BY THE CODE, INCLUDING ELECTRICAL WIRING WITH THE NATIONAL ELECTRIC CODE, UNDERWRITERS LABORATORIES NYSEG (2010)
5. ALL BEARING WALLS, STRUCTURAL CONNECTIONS, ETC., SHALL BE SECURELY MADE WITH CONNECTOR OR BEARING PLATES, ANGLES, BOLTS, BRACING OR OTHER METHODS, CONFORMING WITH NYS. U.F.P. & BC.
6. FIRE EXTINGUISHERS, SMOKE DETECTORS, CARBON MONOXIDE AND ALARMS SHALL BE PLACED ACCORDING TO 2020 INTERNATIONAL CODES
7. ALL EXTERIOR WINDOWS AND DOORS WILL BE HIGH PERFORMANCE DOUBLE PANE INSULATED THEROPANE OR EQUAL. CAULKING SHALL BE LIFETIME SILICONE CAULK OR EQUAL.
8. ALL LUMBER IN DIRECT CONTACT WITH FOOTING OR GROUND WILL BE PRESSURE TREATED LUMBER.
9. NEW YORK STATE ENERGY REQUIREMENTS THAT THIS BUILDING WILL MEET OR EXCEED THE NYS. ENERGY CODE, EFFECTIVE AS OF 2020
10. HEATING , VENTILATION AND AIR CONDITIONING SHALL BE IN CONFORMANCE WITH ASHRAE

- 11.) LOADS AND DESIGN IN ACCORDANCE W/ STRENGTH DESIGN LOAD, REINF. CONCRETE ACI .318, STEEL AISC 8 TH. EDITION, MASONRY ACI 530/ASCE 5/TMS 402, WOOD DESIGN SECTION 2301
- 12.) ANY DISCREPANCIES, MISTAKES OR CHANGES CONTRACTOR TO CONTACT ENGINEER AND OWNER PRIOR TO CONSTRUCTION.
- 13.) ALL FOUNDATION WALLS TO BE WATERPROOFED/ DAMPROOFED IN ACCORDANCE 2020 INTERNATIONAL CODE
- 14.) ALL HEATING, COOLING, PLUMBING AND KITCHEN TO BE DESIGN BY QUILIFIED PROFESSIONAL IN ACCORDANCE 2020 INTERNATIONAL CODE

ALL HEADERS TO BE (2) 2"x 10" FROM TOP PLATE TO A BOTTOM PLATE W/ INS. IN MIDDLE. FOR HEADER SPAN OF 5'-6" TO 8' WILL BE (3) 2"x 10" W/ (2) 1/2" PLYWOOD FLITCH BEAM



FOUNDATION AND CONCRETE NOTES:
 1. ALL SLAB CONCRETE SHALL BE 28-DAY CONCRETE COMPRESSIVE STRENGTHS: 4,000 P.S.I. WITH A MAXIMUM WATER-CEMENT RATIO OF 0.42 AND A MAXIMUM AGGREGATE SIZE OF 1" THAT COMPLIES WITH ASTM C-33 GRADATION FOR COURSE AND FINE AGGREGATE. PROVIDE AIR ENTRAINMENT SUCH THAT TOTAL AIR CONTENT IS 6% (+/- 1.5%)
 2. USE 90 DEG. BENT BARS FOR HORIZONTAL CORNER REINFORCEMENT. OVERLAP 2'-6" MIN.
 3. CONCRETE SHALL NOT BE PLACED ON FROZEN, UNCOMPACTED OR SATURATED FILL. ALL CONCRETE POURS SHALL BE PROTECTED FROM FREEZING TEMPURATURES AND FLASH DRYING. REINFORCEMENT STEEL SHALL BE 2 1/2" MIN. FROM CONCRETE FACE.
 4. ALL CONCRETE FOUNDATIONS AND SLABS SHALL BE PLACED ON COMPENTENT SOILS WITH MINIMUM BEARING CAPACITY OF 2,000 LBS/ SQ.FT.



CROSS SECTION

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



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SHT. NAME: COSS SECTION AND SPECIFICATIONS

SHT. NO. 6