NEW 30'x40'x10' POLE BARN

SITE LOCATION:
NANCY HINZ
175 ANTIOCH ROAD
McDONOUGH, GA 30252

BUILDING CODES & ZONING ORDINANCES

1. EXECUTE ALL WORK IN ACCORDANCE WITH LOCAL AND FEDERAL CODES, MANUFACTURERS' RECOMMENDATIONS, TRADE AND REFERENCE STANDARDS.

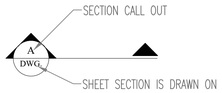
2. THIS PLAN IS TO COMPLY WITH THE FOLLOWING GOVERNING AUTHORITIES:
   A. INTERNATIONAL BUILDING CODE IBC 2018 WITH GEORGIA AMENDMENTS (2020) (2022)
   B. STATE BUILDING CODES IBC 2018 WITH AMENDMENTS

SCOPE OF WORK

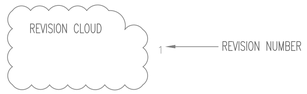
NEW 30'x40'x10' POLE BARN DRAWING SET
DESIGN MEETS THE CURRENTLY ADOPTED 2021 IBC

TOTAL SQUARE FOOT: 1,200 SF
ULTIMATE WIND DESIGN = 115 MPH
WIND EXPOSURE: C
SNOW LOAD = 10lbs/PSF
LIVE LOAD = 20lbs/PSF
ASSUMED SOIL BEARING 1500 PSF
ROOF DEFLECTION = L/240
FROST DEPTH = 5"

STRUCTURAL GRAPHICS SYMBOLS

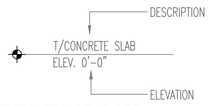


SECTION CROSS-REFERENCES SYMBOL

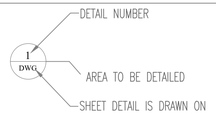


REVISION INDICIATOR SYMBOL

EXTERIOR ELEVATION CROSS-REFERENCE SYMBOL

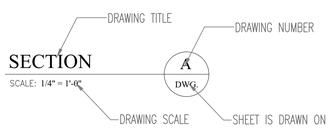


ELEVATION TARGET SYMBOL

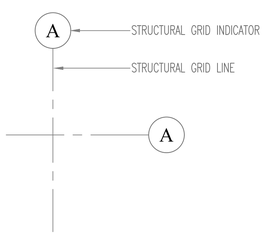


DETAIL CROSS-REFERENCE SYMBOL

TYPICAL SECTION SYMBOL



DRAWINGS TITLE SYMBOL



STRUCTURAL GRID REFERENCE SYMBOL

ABBREVIATIONS

TYPE	DESCRIPTION	TYPE	DESCRIPTION
A.B.	ANCHOR BOLT	L	LENGTH
ALT.	ALTERNATE	L.L.H.	LONG LEG HORIZONTAL
ARCH.	ARCHITECTURAL	L.L.V.	LONG LEG VERTICAL
AVG.	AVERAGE	L.P.	LOW POINT
BCDL	BOTTOM CHORD DEAD LOAD	MAX.	MAXIMUM
BCLL	BOTTOM CHORD LIVE LOAD	MECH.	MECHANICAL
BFF.	BELOW FINISH FLOOR	MEZZ.	MEZZANINE
BLDG.	BUILDING	MFR.	MANUFACTURER
BM.	BEAM	MIN.	MINIMUM
B.O.	BOTTOM OF	MISC.	MISCELLANEOUS
BOT.	BOTTOM	MWFRS	MAIN WIND FORCE RESISTING SYSTEM
BRG.	BEARING	M.O.	MASONRY OPENING
C.J.	CONTROL JOINT	N.S.	NEAR SIDE
CLR.	CLEAR	O.C.	ON CENTER
C.M.U.	CONCRETE MASONRY UNIT	O.D.	OUTSIDE DIAMETER
CONC.	CONCRETE	O.H.	OVER HEAD
CONST. JT.	CONSTRUCTION JOINT	O/O	OUT TO OUT
CONT.	CONTINUOUS	P.S.F.	POUNDS PER SQUARE FOOT
D	DEPTH	P.S.I.	POUNDS PER SQUARE INCH
DET.	DETAIL	R.	RADIUS
DIA.	DIAMETER	REINF.	REINFORCEMENT
ELEV.	ELEVATION	SIM.	SIMILAR
EQ.	EQUAL	T&B	TOP AND BOTTOM
E.W.	EACH WAY	TCDL	TOP CHORD DEAD LOAD
EXIST.	EXISTING	TCLL	TOP CHORD LIVE LOAD
FIN.	FINISH	T.O.	TOP OF
FLR.	FLOOR	T.O.S.	TOP OF STEEL
FND.	FOUNDATION	TYP.	TYPICAL
F.S.	FAR SIDE	U.N.O.	UNLESS NOTED OTHERWISE
FTG.	FOOTING	VERT.	VERTICAL
GA.	GAUGE	V.I.F.	VERIFY IN FIELD
HORIZ.	HORIZONTAL	W.W.F.	WELDED WIRE FABRIC
H.P.	HIGH POINT	W	WIDTH
INSUL.	INSULATION	W/	WITH
I.L.O.	IN LIEU OF		

STRUCTURAL DRAWING LIST:

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GEORGIA REGISTERED No. 044764 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

No. 23-099

REVISION	DESCRIPTION	DATE:
1	ADDED WIND PRESS	05-31-2023

START DATE: 03/24/2023 — DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023 — REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023 — APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

TITLE SHEET

S0.1

DESIGN NOTES:

1. BUILDING DESIGN IS BASED ON THE FOLLOWING:
   A. DESIGN DATA:
      ROOF LIVE LOAD = 20 PSF
      ROOF DEAD LOAD
      TOP CHORD/ RAFTER DEAD LOAD = 5 PSF
      BOTTOM CHORD/ CEILING JOIST DL = 10 PSF

   B. SNOW DESIGN DATA:
      GROUND SNOW LOAD, Pg = 30 PSF
      FLAT ROOF SNOW LOAD, Pf = 22 PSF
      SNOW EXPOSURE FACTOR, Ce = 1.0
      SNOW LOAD IMPORTANCE FACTOR, Is = 1.0
      THERMAL FACTOR, Ct = 1.1

   C. WIND DESIGN DATA:
      BASIC WIND SPEED = 90 MPH
      WIND IMPORTANCE FACTOR, Iw = 1.0
      BUILDING CATEGORY = II
      WIND EXPOSURE = B
      WIND PRESSURE:
         MWFRS = 17 PSF
         COMPONENT & CLADDING = 25 PSF

   D. EARTHQUAKE DESIGN DATA:
      IMPORTANCE FACTOR = 1.0
      SEISMIC USE GROUP = I
      MAPPED SPECTRAL RESPONSE COEFFICIENTS:
         Ss = 0.110
         S1 = 0.053
         SDS = 0.118
         SD1 = 0.084
      SITE CLASS = D
      SEISMIC DESIGN CATEGORY = B
      BASIC SEISMIC-FORCE-RESISTING SYSTEM:
      WOOD BEARING WALLS, WOOD SHEAR WALLS, CMU WALLS
      RESPONSE MODIFICATION FACTOR, R = 3
      DESIGN BASE SHEAR = 3KIP MAX FOR UNITS 2-3/4-5 , 1 KIP
   1/6 ANALYSIS PROCEDURE:
   SIMPLIFIED ANALYTICAL PROCEDURE

   E. DEFLECTION CRITERIA (UNLESS STATED THERWISE):

GENERAL NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND TO CROSS-CHECK DETAILS AND DIMENSIONS ON THE STRUCTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. FLOOR AND WALL OPENINGS, SLEEVES AND OTHER ARCHITECTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS MUST BE COORDINATED BEFORE THE CONTRACTOR PROCEEDS WITH CONSTRUCTION.

2. ALL ENGINEERING DESIGN, CONSTRUCTION AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE LATEST EDITION (HEREIN REFERRED TO AS "THE CODE").

3. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION, AND COMPLIANCE WITH LOCAL REGULATIONS REGARDING SAFETY IS, AND SHALL BE, THE CONTRACTOR'S RESPONSIBILITY.

4. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

5. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.

EXCAVATION AND INSTALLATION

1. WHEN EXCAVATING FOR NEW FOUNDATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER SHORING CONFORMING TO ALL FEDERAL, STATE AND LOCAL CODES AND LAWS AS REQUIRED.

2. DURING ANY EXCAVATION OR CONSTRUCTION, FIELD PERSONNEL SHALL TAKE PRECAUTION NOT TO DISTURB OR CUT EXISTING CONDUIT OR UTILITIES. LOCATION OF UTILITY LINES SHOWN ARE APPROXIMATE ONLY.

3. COMPACTED FILL SHALL BE PLACED IN 6 INCH LOOSE LAYERS FOR USING HAND OPERATED TAMPERS, AND 8 INCH LOOSE LAYERS FOR USING VIBRATORY ROLLERS. ADJUST MOISTURE CONTENT OF FILL MATERIAL TO THE ASTM D-698 OPTIMUM ± 2%. COMPACT FILL SHALL BE 97% OF MAXIMUM DENSITY, DETERMINED BY USING STANDARD. PROCTOR ASTM D-698. THE EXCAVATION CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND SERVICE UTILITIES PRIOR TO BEGINNING CONSTRUCTION WORK.

4. NON-EXPANSIVE COMPACTED GRANULAR FILL SHALL BE DEPOSITED IN DEPTHS OF 8" BELOW ALL CONCRETE MATS, SLABS, AND PITS, AND 18" BEHIND ALL CONCRETE WALLS, UNLESS NOTED OTHERWISE.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING BUILDING FOUNDATIONS AND EQUIPMENT FROM VERTICAL AND LATERAL MOVEMENT DURING AND AFTER EXCAVATION AND INSTALLATION OF FOUNDATIONS. THE MEANS AND DESIGN OF PROTECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

6. INSTALLATION SHALL BE PER THE LATEST APPLICABLE LOCAL CODES AND LAWS.

7. FOR FOUNDATIONS WHERE THE SUB-BASE MEETS REQUIREMENTS, BUT GROUND WATER IS PRESENT AND CANNOT BE CONTROLLED BY DRAINING OR SUMP PUMPS, A MUD MAT MAY BE USED. THE MUD MAT SHALL CONSIST OF 2000 PSI CONCRETE AND SHALL BE A MINIMUM OF 2" THICK.

8. ASSUMED ALLOWABLE SOIL BEARING PRESSURE ON FOOTINGS IS 1,500 LBS PER SQ FT (PSF).

9. GENERAL CONTRACTOR SHALL INSTALL FOUNDATION ON VIRGIN SOIL. IT IS RECOMMENDED THAT THE GENERAL CONTRACT IS HAVE A LICENSED GEOTECHNICAL ENGINEER CONDUCT A SOIL TEST AND SUBMIT A WRITTEN REPORT PRIOR TO STARTING THE FOUNDATION.

FOUNDATION NOTES:

1. ALL FOOTINGS SHALL BE ESTABLISHED ON PROPERLY UNDISTURBED SOIL OR PROPERLY COMPACTED ENGINEERED FILL IN ACCORDANCE WITH CHAPTER 18 OF THE CODE.

2. ALL FOUNDATION BEARING AND FILL MATERIALS SHALL BE INSPECTED AND APPROVED BY THE BUILDING INSPECTOR PRIOR TO PLACING CONCRETE.

3. EXCAVATION, GRADING AND FILL/BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 1803 OF THE CODE. ALL FILL AND BACKFILL MATERIALS SHALL BE NON COHESIVE SOILS COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D 1557 METHOD. THE UPPER 6" OF SUB GRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED.

4. ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 1,500PSF WAS USE FOR THE DESIGN OF THE FOUNDATION WITH SOIL IMPROVEMENTS IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION AND REPORT.

5. ALL ORGANIC TOP SOILS SHALL BE STRIPPED FROM THE AREA UPON WHICH THE PROPOSED STRUCTURE IS TO BE LOCATED.

6. ALL EXCAVATION FOR STRUCTURES SHALL BE KEPT DEWATERED UNTIL BACKFILL IS IN PLACE. EXCAVATION FOR STRUCTURES SHALL INCLUDE ALL NECESSARY SHEETING AND SHORING.

7. WHERE THE FOUNDATION IS OVER EXCAVATED, REMOVE ALL DISTURBED FOUNDATION SOIL AND REPLACE WITH GRANULAR MATERIAL PROPERLY COMPACTED AS DIRECTED.

ANCHOR RODS AND BOLTS

1. ALL ANCHOR BOLTS SHALL BE ASTM F1554 GRADE "A" WITH ASTM A-563 GRADE "A" HEAVY HEX NUTS AND ASTM F-436 HARDENED FLAT STEEL WASHERS. ANCHOR PLATES SHALL BE ASTM A36 STEEL, UNLESS NOTED OTHERWISE.

2. ALL ANCHOR BOLTS MUST BE SET WITH A TEMPLATE. INSTALLATION OF ANCHOR BOLTS AND EMBEDDED ITEMS SHALL BE IN STRICT ACCORDANCE WITH A.I.S.C. CODE OF STANDARD PRACTICE.

3. SLEEVES MAY BE USED AT CONTRACTOR'S OPTION. IF USED, CONTRACTOR MUST PROTECT CONCRETE FROM CRACKING DUE TO WATER FREEZING IN THE SLEEVE OPENINGS.

4. ANCHOR RODS SHALL BE "HILTI HIT HY 150" INJECTION ADHESIVE SYSTEM WITH "HAS" STANDARD BOLTS OR ASTM F1554, GR. 36 THREADED RODS. SIZE, EMBEDMENT AND PROJECTION AS INDICATED ON DESIGN DRAWINGS.

5. ANCHOR RODS/BOLTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

6. FOR DRILLED IN DOWELS, USE BASF-THE CHEMICAL COMPANY'S "CONCRESIVE 1090 LIQUID".

CONCRETE NOTES:

1. ALL READY MIX CONCRETE SHALL CONFORM TO ASTM C 94.

2. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF "THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", PUBLISHED BY C.R.S.I.

3. ALL REINFORCING BARS, DOWELS, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING OF CONCRETE.

4. ALL HORIZONTAL BARS IN CONCRETE, WALLS AND GRADE BEAMS SHALL BE CONTINUOUS AND BENT AT ALL CORNERS AND INTERSECTIONS. PRE-BENT "CORNER" BARS SUBSTITUTED FOR CONTINUOUS BENT BARS SHALL BE OF SAME SPACING AS HORIZONTAL BARS AND SHALL BE OF SUFFICIENT LENGTH TO PROVIDE REQUIRED LAP SPLICE LENGTHS.

5. DETAILING, BENDING AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE.

6. ALL CONCRETE FORM WORK SHALL BE ADEQUATELY TIED TOGETHER AND BRACED TO FORM TRUE LINES, SQUARE CORNERS AND PLUMB WALLS.

7. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CODE.

8. MIX DESIGN SHALL BE BASED ON PERFORMANCE TEST AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND GENERAL CONTRACTOR.

9. USE AIR-ENTRAINED CONCRETE FOR ALL AREAS EXPOSED TO WEATHER.

10. ALL CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTHS AT 28 DAYS (U.N.O.):
    CONCRETE FOUNDATION AND WALLS = 4000 PSI
    CONCRETE SLABS = 4000 PSI

11. NO CONCRETE SHALL BE POURED SUBJECT TO FREEZING CONDITIONS OR ON FROZEN GROUND.

12. LOCATE ALL SLEEVES, OPENINGS, EMBEDDED ITEMS, ETC., WHICH ARE INDICATED ON ALL DESIGN DRAWINGS. CHECK WITH OTHER TRADES TO VERIFY THAT ALL SLEEVES, OPENINGS AND EMBEDDED ITEMS ARE IN PLACE AND LOCATED CORRECTLY PRIOR TO PLACING OF CONCRETE.

13. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS OR ACCESSORIES REQUIRED TO BE CAST IN CONCRETE AND FOR LOCATIONS OF FLOOR FINISHES AND SLAB DEPRESSIONS.

14. FOOTINGS SHALL BE LOCATED ON THE CENTER LINE OF WALLS, PIERS, OR COLUMNS, UNLESS NOTED OTHERWISE.

15. PROCEDURES FOR PLACEMENT OF CONCRETE SHALL BE IN STRICT CONFORMANCE WITH ACI 304, "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE."

16. BEAMS AND SLABS SHALL BE POURED MONOLITHICALLY, SO THAT NO HORIZONTAL CONSTRUCTION JOINTS ARE PROVIDED.

17. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE EMBEDDED THEREIN. SLEEVES SHALL BE WRAPPED WITH EXPANSION JOINT FILLER MATERIAL TO ALLOW CONCRETE TO CURE WITHOUT RESTRAINT. PIPES OR CONDUITS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES, ACCESSORIES, ETC.

18. CONCRETE SLABS ON GRADE SHALL BE POURED ON COMPACTED SUBGRADE OR UNDISTURBED SOIL. SLAB SURFACES SHALL BE SMOOTH AND LEVEL OR SHALL HAVE SMOOTH EVEN SLOPE. CONCRETE FINISH SHALL BE SMOOTH FOR INTERIOR FLOOR SLABS AND BROOMED FOR EXTERIOR WALKS.

19. THE SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE ALL DUST, CHIPS OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE.

20. SLAB CONTROL JOINTS SHALL BE INSTALLED WITH JOINT FORMERS WHEN THE SLAB IS POURED, OR SAWCUT AS SOON AS THE CONCRETE WILL ALLOW WITHOUT DAMAGE.

21. ALL REINFORCING STEEL TO BE GRADE FY=60KSI.

WOOD:

1. ALL WOOD CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND ERECTED IN ACCORDANCE WITH N.D.S. AND THE LATEST EDITION OF THE AITC TIMBER CONSTRUCTION MANUAL.

2. ALL LUMBER SHALL BE MINIMUM NO. 1/ NO.2 SPF UNLESS INDICATED OTHERWISE.

3. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR GROUND SHALL BE SOUTHERN PINE, PRESSURE TREATED FOR DECAY AS FOLLOWS:

   0.60 FOR IN-GROUND USE
   0.40 FOR ABOVE GROUND AND IN CONTACT W/GROUND
   0.40 FOR WOOD IN CONTACT WITH CONCRETE
   RETENTION SHALL BE PER MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR USE.

4. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED WITH A MINIMUM G185 COATING.

5. ALL PLYWOOD DESIGNATED ON THE STRUCTURAL DRAWINGS SHALL BE DOUGLAS FIR, CONFORMING TO THE LATEST NATIONAL BUREAU OF STANDARDS "U.S. PRODUCT STANDARDS PS 1". PLYWOOD SHALL BE GRADE STAMPED CDX WITH EXTERIOR GLUE AND PANEL INDEX 24/16, UNLESS NOTED OTHERWISE.

6. STRUCTURAL PLYWOOD SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-83. STRUCTURAL USE PANELS SHALL CONFORM TO NER-108 (APA PRP-108). A.P.A. GRADE STAMP SHALL BE PROVIDED ON ALL SHEATHING. ROOF AND FLOOR SHEATHING AND SHEAR WALL PANELS SHALL BE IN PLACE AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO COVERING. INSTALL WITH FACE GRAIN ACROSS SUPPORTS EXCEPT WHERE NOTED ON PLANS OR DETAILS. PROVIDE GAPS AT ALL EDGES AS SPECIFIED BY A.P.A.

7. PLYWOOD SHALL BE A.P.A. PERFORMANCE STAMPED, AS SPECIFIED ABOVE, GRADE STAMPED C-D, EXPOSURE.

8. ALL GLUE LAMINATED MEMBERS AS SHOWN ON PLANS SHALL BE IN ACCORDANCE WITH A.N.S.I. A190.1, A.I.T.C. OR A.P.A. INSPECTION CERTIFICATES SHALL BE FURNISHED WITH EACH BEAM. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW. GLUE LAMINATED MEMBERS SHALL BE OF INDUSTRIAL APPEARANCE WITH EXTERIOR GLUE.

9. NO WOOD MEMBER SHALL BE CUT, NOTCHED OR BORED, EXCEPT AS DETAILED OR PERMITTED BY THIS CODE.

10. ALL TOPS OF COLUMNS AND WALLS SHALL BE ADEQUATELY BRACED UNTIL THE ROOF SHEATHING IS COMPLETELY NAILED IN PLACE.

11. MAXIMUM STUD HEIGHT AND SPACING PER TABLE 2308.9.1 OF THE CODE. MAXIMUM CEILING JOIST SPANS SHALL BE PER OBC SPAN TABLES. PROVIDE BLOCKING AT 8'-0" O.C.

12. BUILDING DEPARTMENT INSPECTION OF THE ROOF AND FLOOR SYSTEMS IS REQUIRED PRIOR TO PLACING ANY MATERIAL ON OR SUSPENDING ANY LOADS FROM THE ROOF OR FLOOR SYSTEMS.

13. FRAMING HARDWARE SHALL BE SIMPSON "STRONG TIE" OR EQUAL. SUBSTITUTIONS SHALL BEAR I.C.B.O. APPROVAL. ALL FLUSH WOOD TO WOOD CONNECTORS SHALL BE MADE WITH "SIMPSON" METAL HANGERS AS FOLLOWS, UNLESS NOTED OTHERWISE:

    2 x 4, 6 AND 8 MEMBERS = "U" SERIES
    2 x 10, 12, 14, AND 16 MEMBERS = "HU" SERIES
    4 x 4 AND LARGER = "HUTF" SERIES
    POST TO BEAM MEMBERS = "PC" SERIES

14. FASTENING - UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE QUANTITY AND SIZE OF FASTENERS CONNECTING WOOD FRAME MEMBERS TOGETHER AND SHEATHING MATERIALS TO WOOD FRAME MEMBERS SHALL NOT BE LESS THAN THAT SPECIFIED IN TABLE 2304.9.1 OF THE CODE AND PER MANUFACTURERS SPECIFICATIONS.

    A. ALL NAILS EXPOSED TO THE WEATHER SHALL BE GALVANIZED.

    B. TOE NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES TO THE PIECE SURFACE AND BE STARTED AT 1/3 THE LENGTH OF THE NAIL FROM THE EDGE OF THE PIECE.

15. WOOD SCREWS SHALL BE IN CONFORMANCE WITH A.N.S.I. B18.6.1.

16. BOLTS AND LAG SCREWS SHALL CONFORM TO A.N.S.I. B18.2.1. ALL BOLTS THROUGH WOOD SHALL HAVE STANDARD CUT WASHERS EXCEPT WHERE METAL SIDE PLATES ARE SPECIFIED. BOLT HOLES SHALL BE BORED 1/32" TO 1/16" LARGER THAN THE BOLT DIAMETER, UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE RETIGHTENED PRIOR TO APPLICATION OF PLASTER, PLYWOOD, ETC

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GEORGIA REGISTERED No. 048764 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

No. 23-099

REVISION:

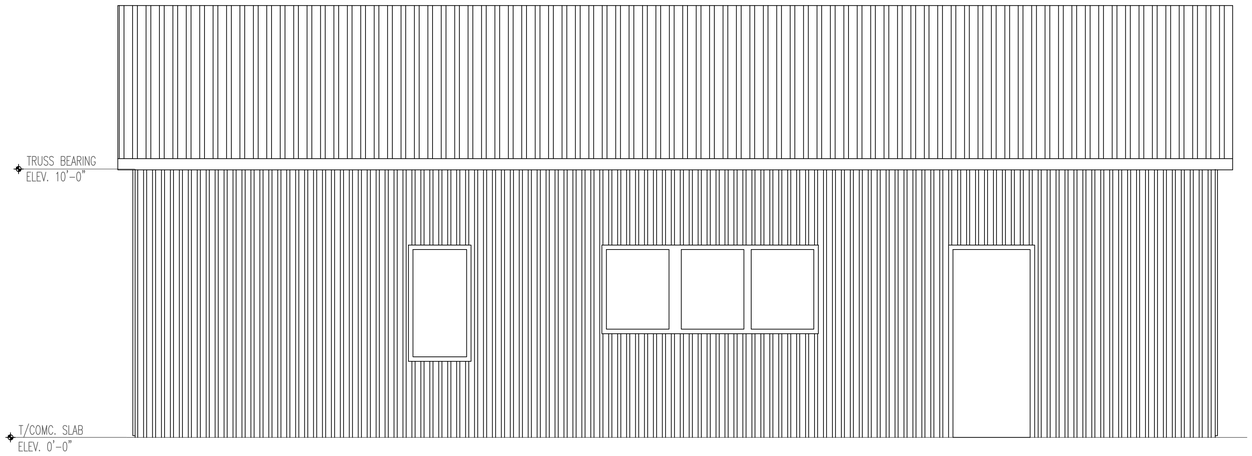
REVISIONS	DATE:	DESCRIPTION
1.	05-31-2023	ADDED REAR PORCH

START DATE: 03/24/2023 — DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023 — REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023 — APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

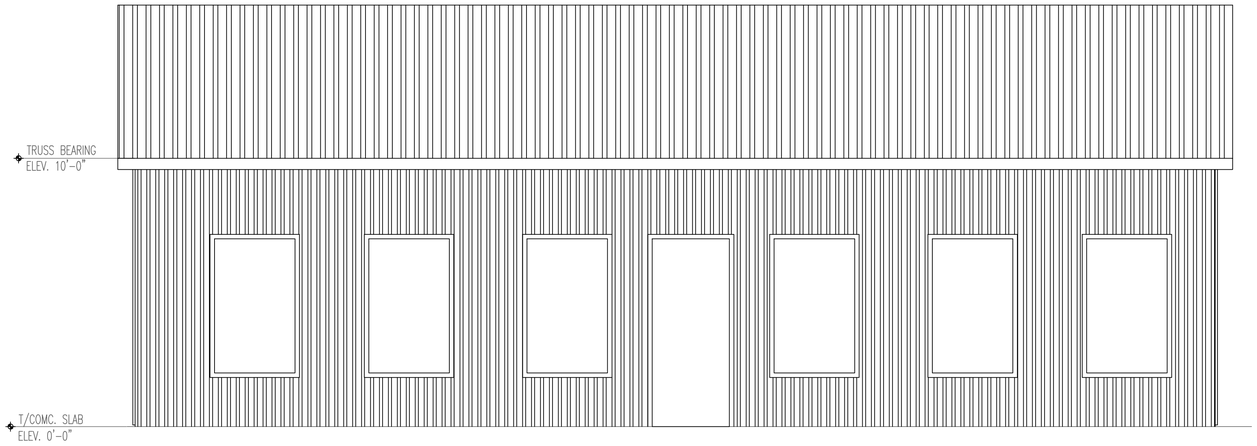
STRUCTURAL NOTES

S0.2



REAR ELEVATION

SCALE: 3/8" = 1'-0"



FRONT ELEVATION

SCALE: 3/8" = 1'-0"

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GEORGIA REGISTERED No. 045781 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

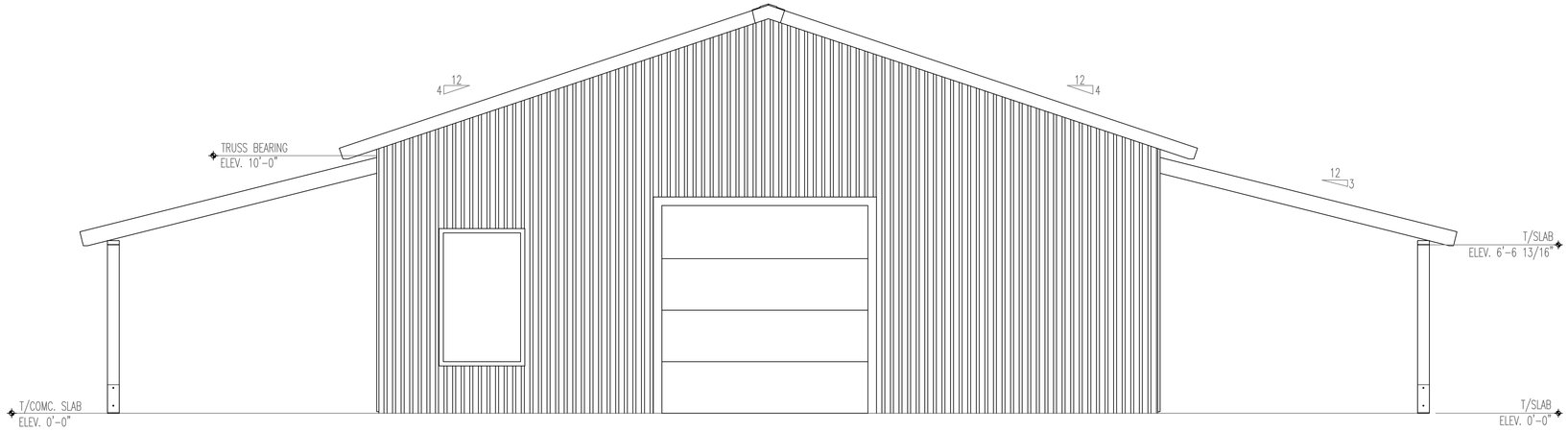
REVISION	DATE	DESCRIPTION
1	05-31-2023	ADDED ROOF VENTS

START DATE: 03/24/2023	DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023	REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023	APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

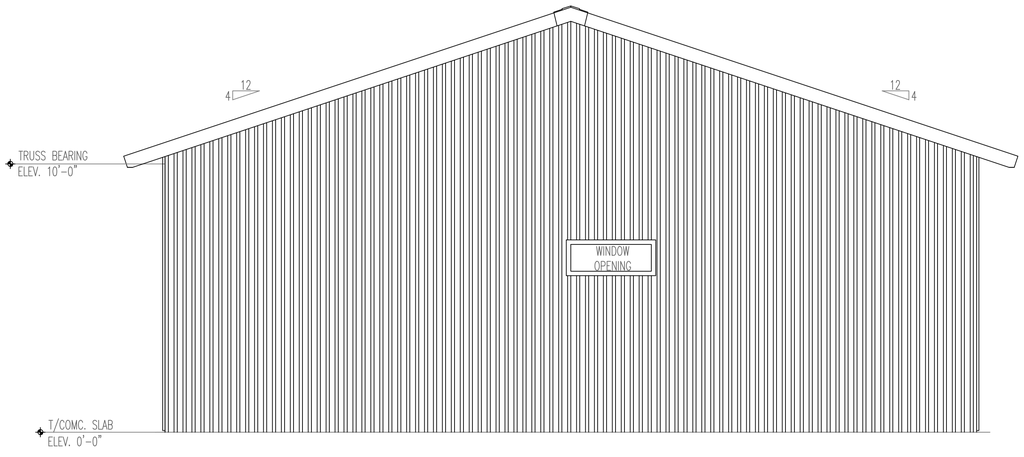
ELEVATIONS

A1.0



RIGHT SIDE ELEVATION

SCALE: 3/8" = 1'-0"



RIGHT SIDE ELEVATION

SCALE: 3/8" = 1'-0"

CRAMER ENGINEERING, LLC
STRUCTURAL ENGINEERING
PO BOX 5419,
FAIRLAWN, OH 44334
Phone (440) 655-1348
email: james@cramerengineering.com
www.cramerengineering.com

GEORGIA REGISTERED No. 045787 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

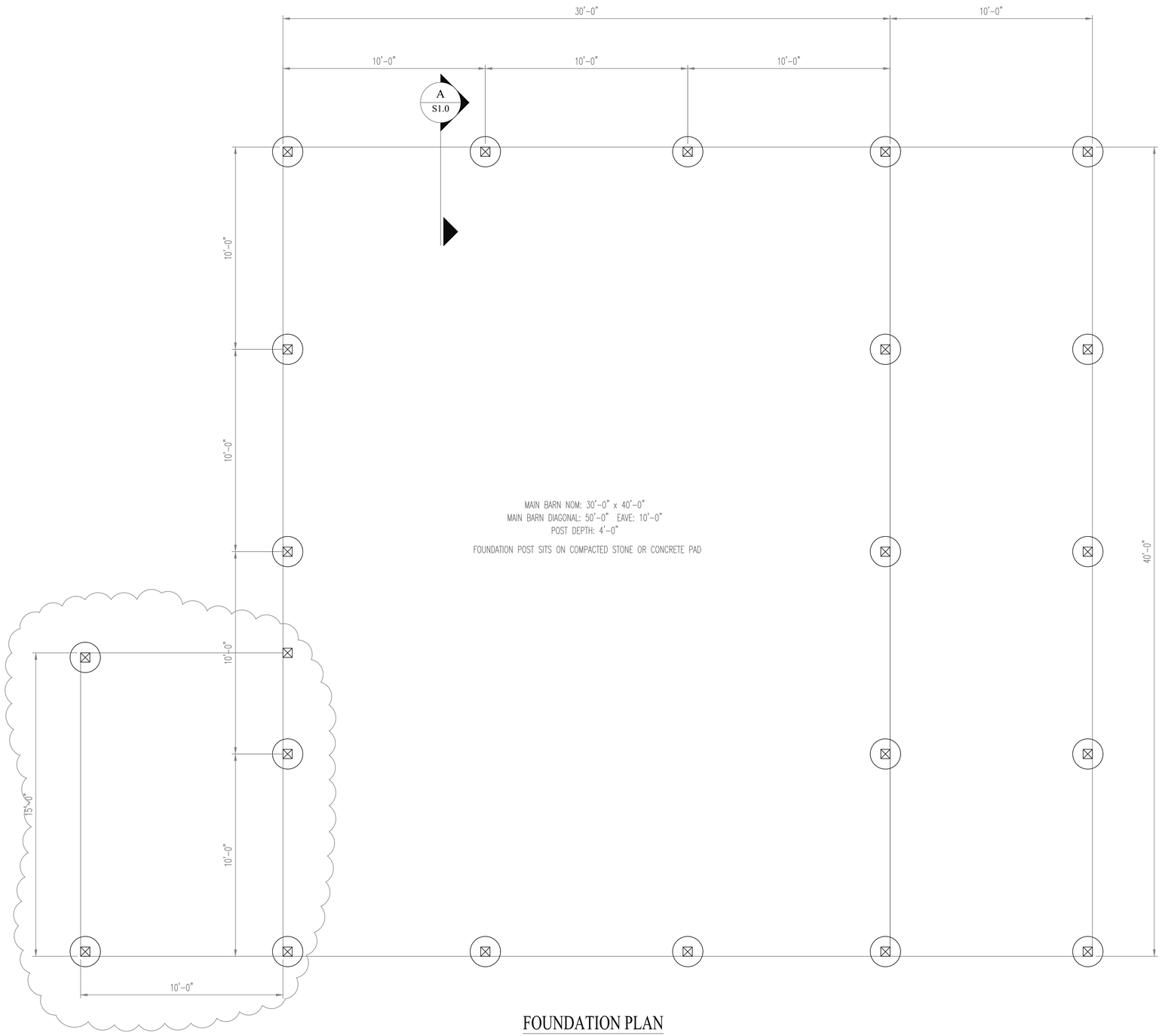
REVISIONS	DATE:	DESCRIPTION
1	06-21-2023	ADDED REAR WINDOW

START DATE: 03/24/2023 — DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023 — REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023 — APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

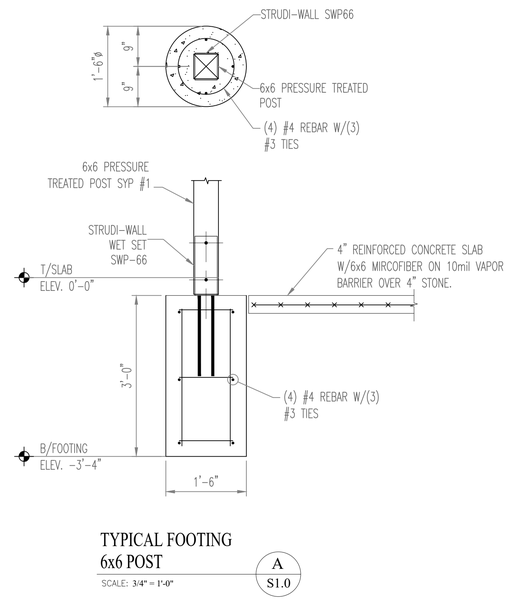
ELEVATIONS

A1.1



FOUNDATION PLAN

SCALE: ⅛" = 1'-0"



TYPICAL FOOTING 6x6 POST

SCALE: 3/4" = 1'-0"

A
S1.0

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GEORGIA REGISTERED No. 045751 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

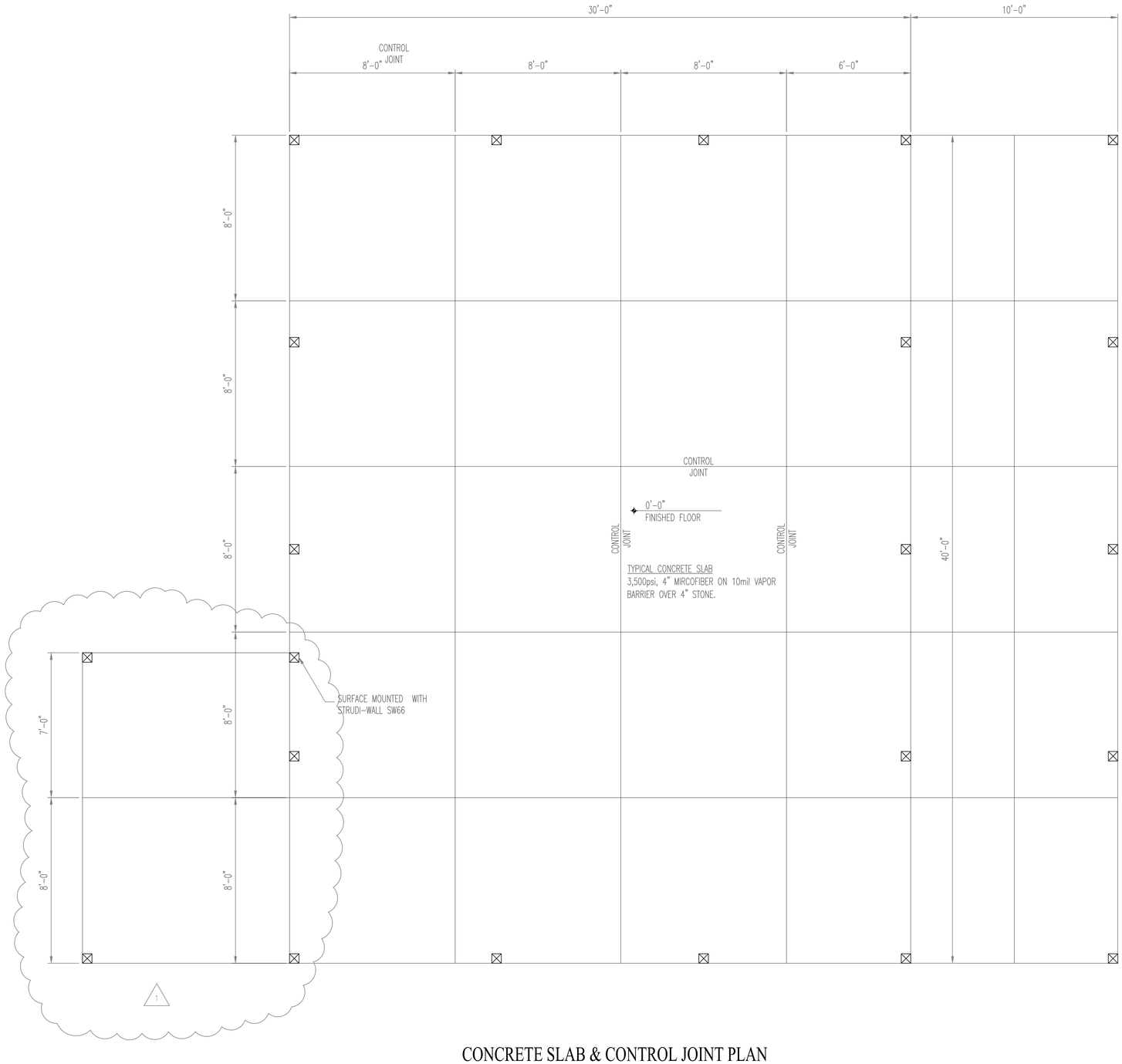
REVISIONS	DATE	DESCRIPTION
1	06-21-2023	ADDED REAR PORCH

START DATE: 03/24/2023	DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023	REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023	APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

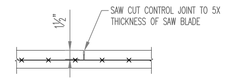
FOUNDATION PLAN

S1.0



CONCRETE SLAB & CONTROL JOINT PLAN

SCALE: ⅛" = 1'-0"



TYPICAL CONTROL JOINT SECTION — A / S1.1

SCALE: 3/4" = 1'-0"

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GEORGIA REGISTERED No. 045751 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

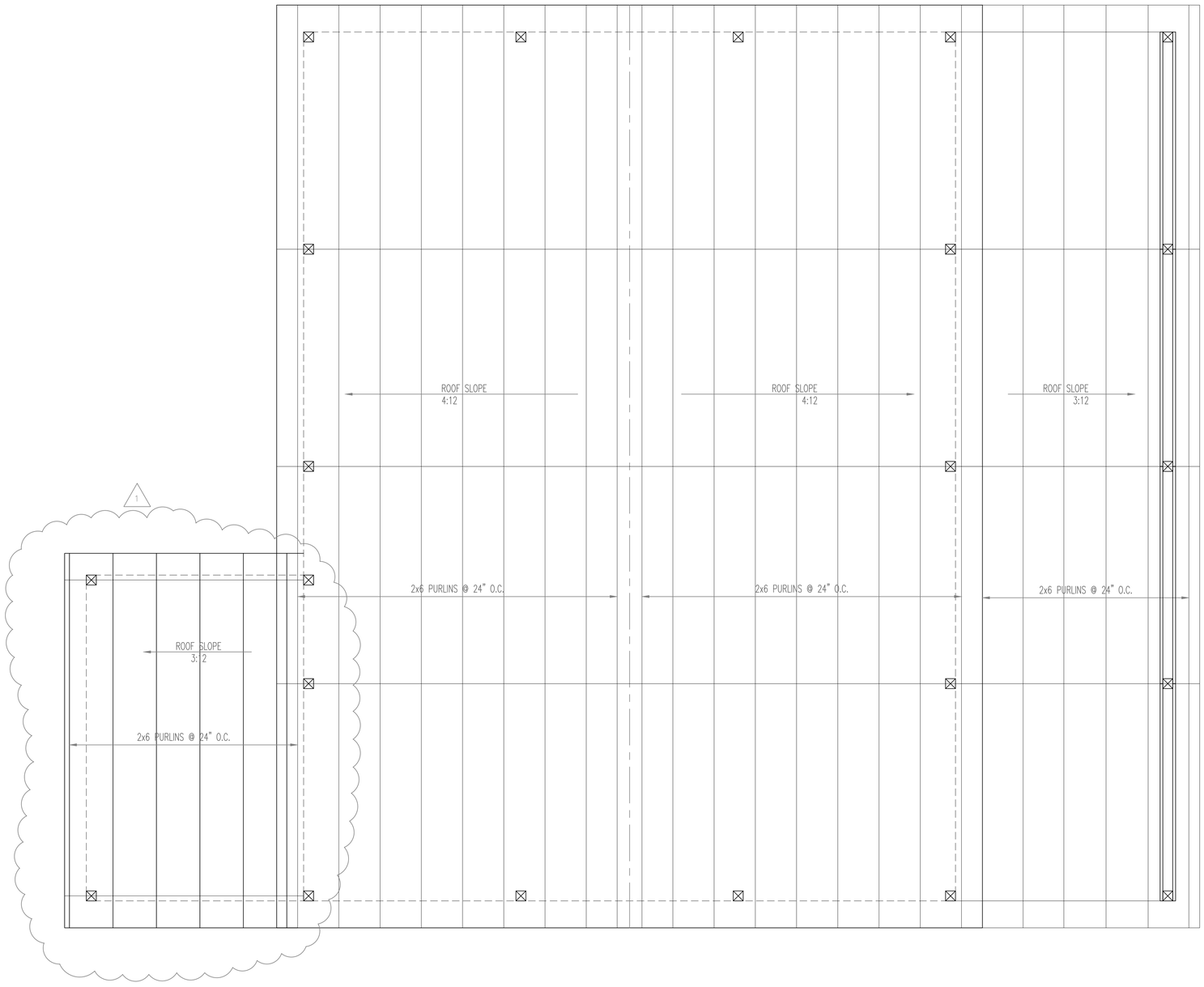
REVISIONS	DATE:	DESCRIPTION
1	05-17-2023	ADDED RAB WIDTH

START DATE: 03/24/2023 — DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023 — REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023 — APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

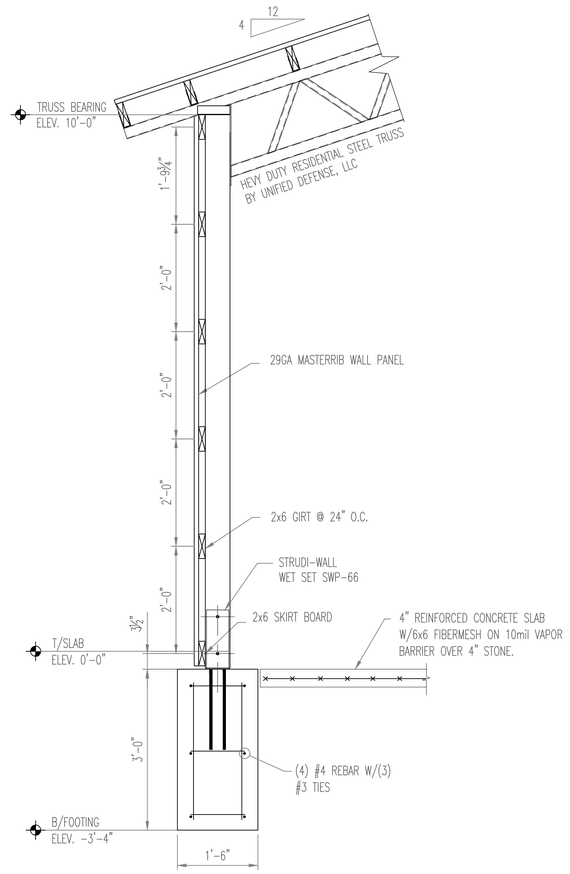
CONCRETE SLAB & CONTROL JOINT PLAN

S1.1



ROOF FRAMING PLAN

SCALE: ⅜" = 1'-0"



TYPICAL WALL SECTION

SCALE: ¾" = 1'-0"

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GEORGIA REGISTERED No. 045781 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

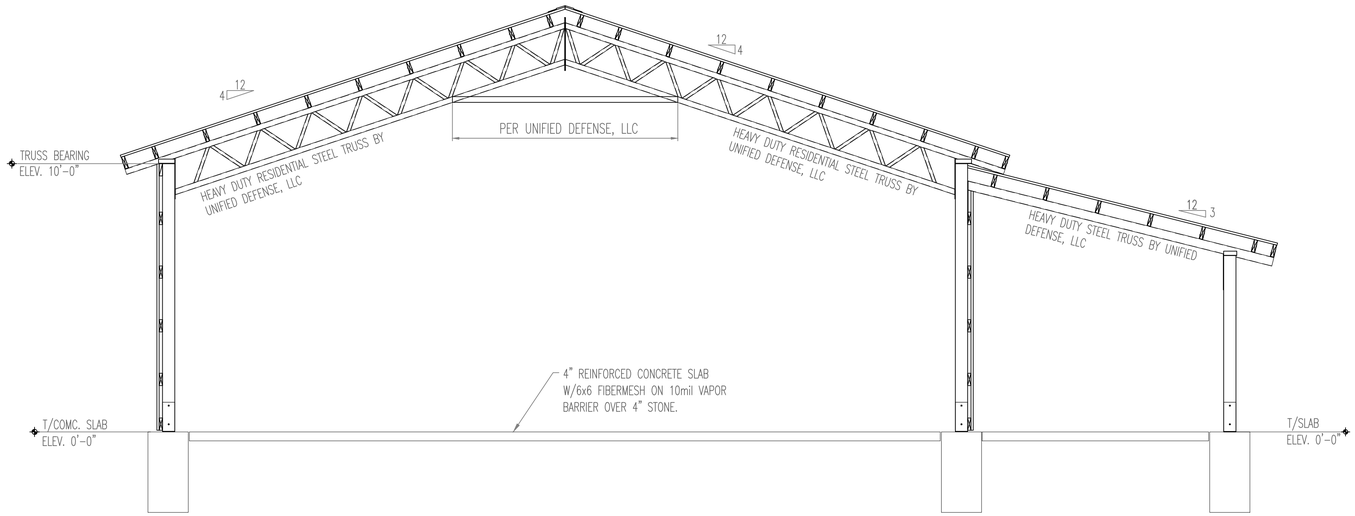
REVISION			
REVISIONS	DATE	DESCRIPTION	
1	05-31-2023	ADDED REAR DOORS	

START DATE: 03/24/2023	DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023	REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023	APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

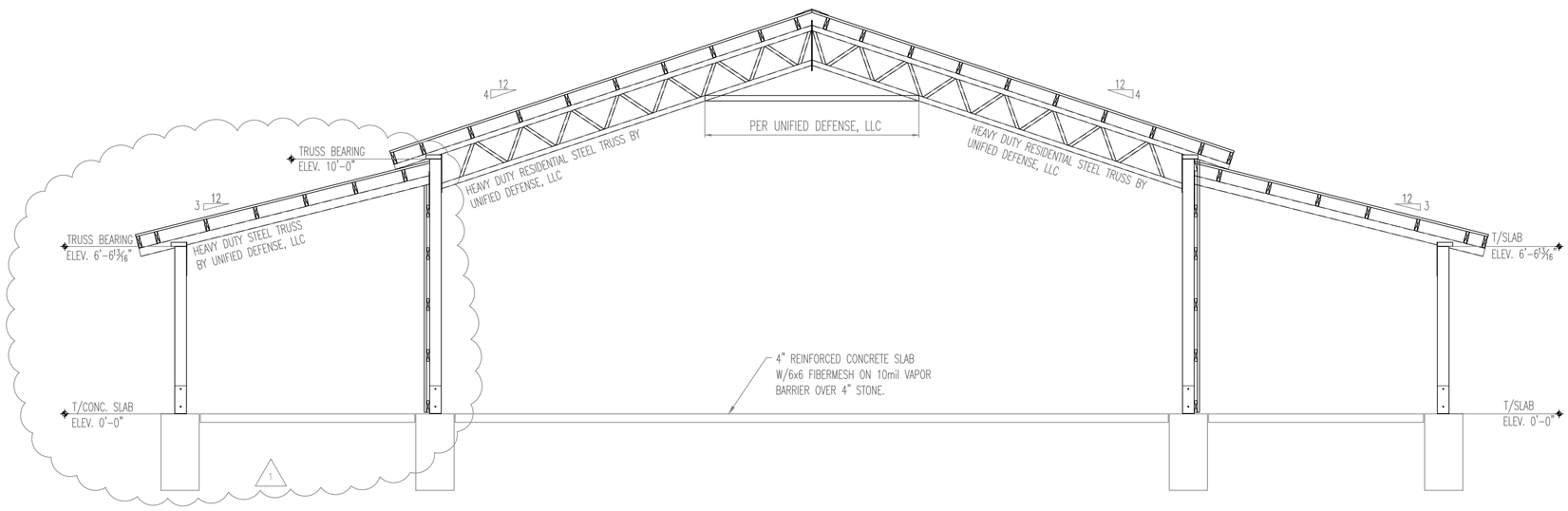
ROOF FRAMING PLAN &
TYPICAL WALL SECTION

S2.0



TYPICAL BUILDING & PORCH SECTION

SCALE: ⅜" = 1'-0"



TYPICAL BUILDING SECTION

SCALE: ⅜" = 1'-0"

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GEORGIA REGISTERED No. 045784 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

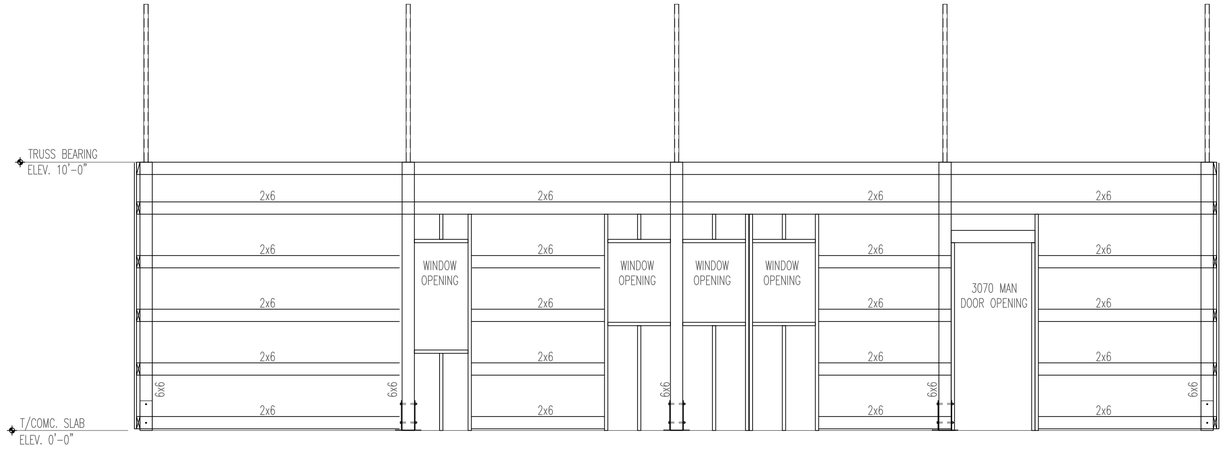
REVISIONS	DATE	DESCRIPTION
1	06-21-2023	ADDED KICK PORCH

START DATE: 03/24/2023 — DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023 — REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023 — APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

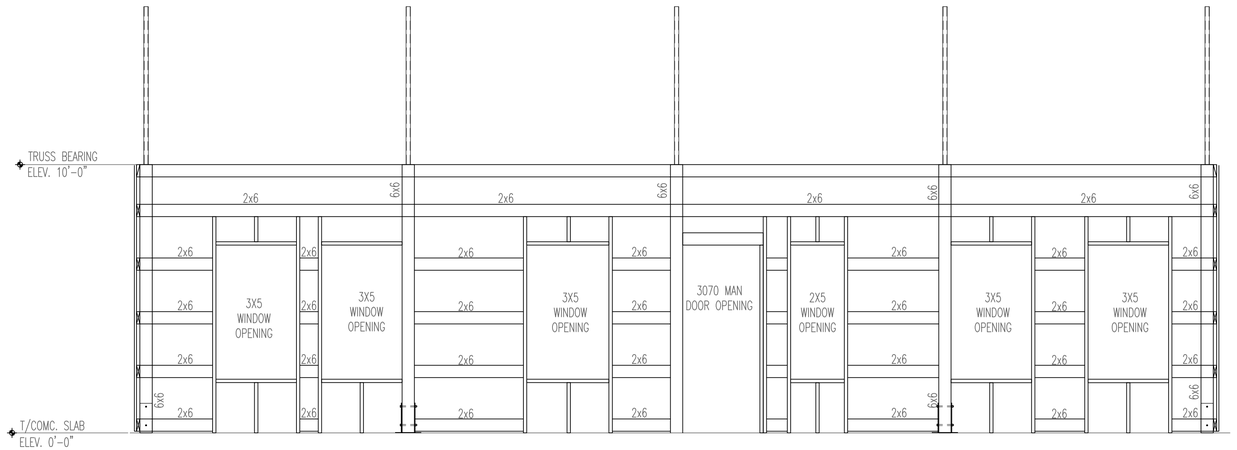
TYPICAL BUILDING SECTION

S2.1



REAR FRAMING ELEVATION

SCALE: 3/8" = 1'-0"



FRONT FRAMING ELEVATION

SCALE: 3/8" = 1'-0"

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GEORGIA REGISTERED No. 045736 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

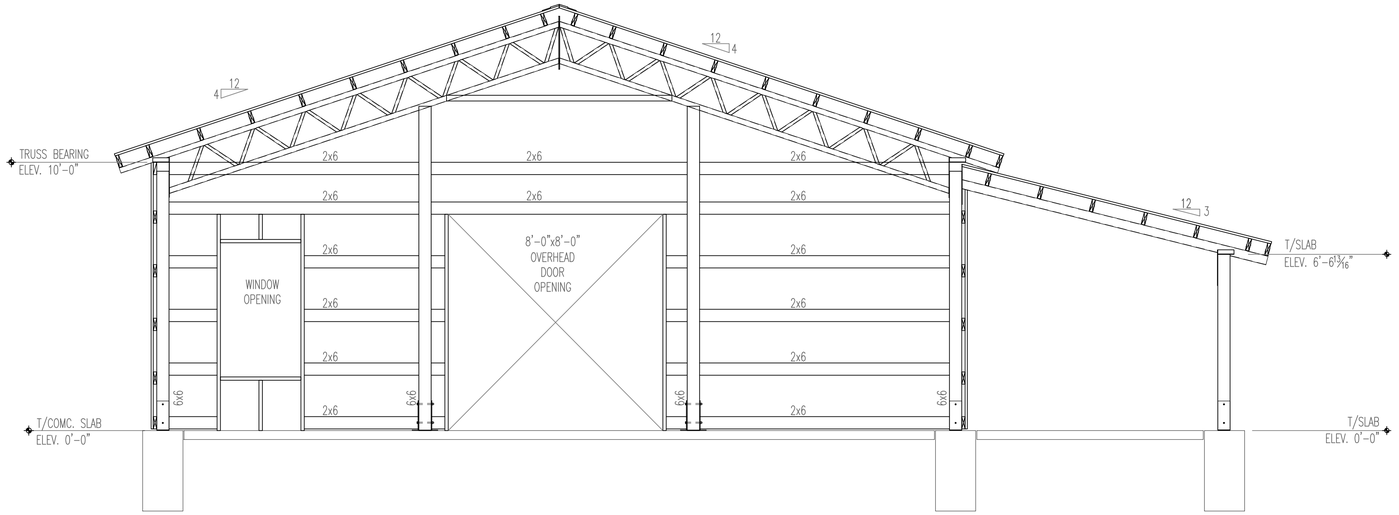
REVISIONS	DATE:	DESCRIPTION
1	06-21-2023	ADDED REAR PORCH

START DATE: 03/24/2023	DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023	REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023	APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

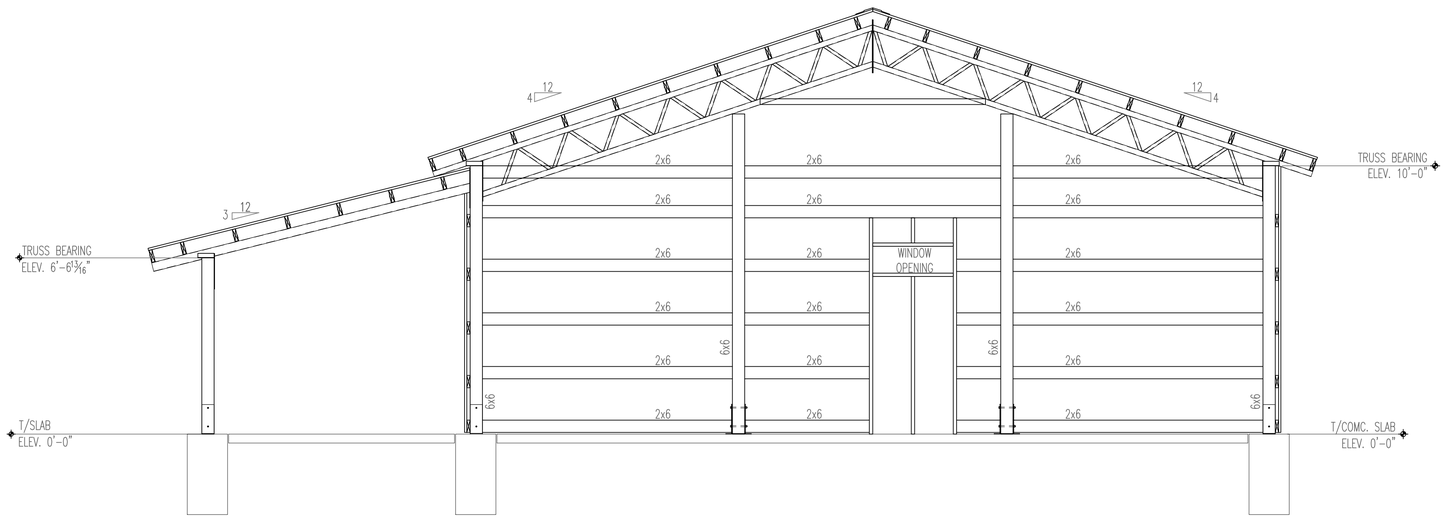
FRAMING ELEVATION

S2.2



LEFT SIDE FRAMING ELEVATION

SCALE: 3/8" = 1'-0"



RIGHT SIDE FRAMING ELEVATION

SCALE: 3/8" = 1'-0"

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GEORGIA REGISTERED No. 045751 PROFESSIONAL ENGINEER JAMES JOSEPH CRAMER

DATE: 04-14-2023

NEW 30'x40'x10' POLE BARN
NANCY HINZ
175 ANTOCH ROAD
McDONOUGH, GA 30252

No. 23-099

REVISION

REVISION	DATE:	DESCRIPTION
1	06-21-2023	ADDED WIND PRESS

START DATE: 03/24/2023	DRAWN BY: P. CONNER
REVIEW DATE: 04/04/2023	REVIEW BY: K. RICHARDSON
APPROVAL DATE: 04/14/2023	APPROVED BY: J. CRAMER

VERIFY ALL DIMENSIONS IN FIELD

FRAMING ELEVATION

S2.3