

I CERTIFY THAT THIS PLAN WAS PREPARED BY ME AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

1-23-2015
STAN R. LOCH P.E. #63332 DATE

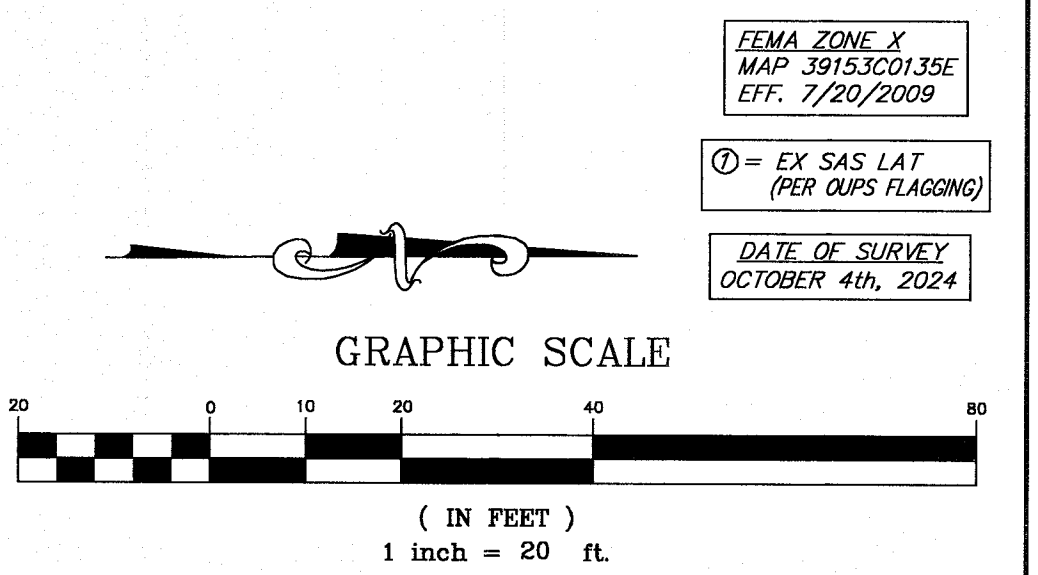
REFERENCES:
TURKEY POINT ESTATES PLAT SURVEY #8368

PRIMARY BENCHMARK
RIM OF YARD DRAIN
ON PP#3002253
ELEV = 1110.41

SECONDARY BENCHMARK
5/8" IP CAPPED 'DRESCHER'
AT INTERSECTION OF P/L AND R/W
BETWEEN PP#3002008/PP#3002253
ELEV = 1112.66

LEGEND

- = IRON PIN FND
- = IRON PIPE FND
- = CLEANOUT
- = YARD DRAIN
- ⊗ = TREE
- = SILT FENCE/FILTER SOCK
- = FLOW DIRECTION
- A- = SWALE
- = EXISTING GRADE
- - - = PROPOSED GRADE



NO.	DATE	DESCRIPTION	BY
1	1/22/25	REV PER OWNER	LNE

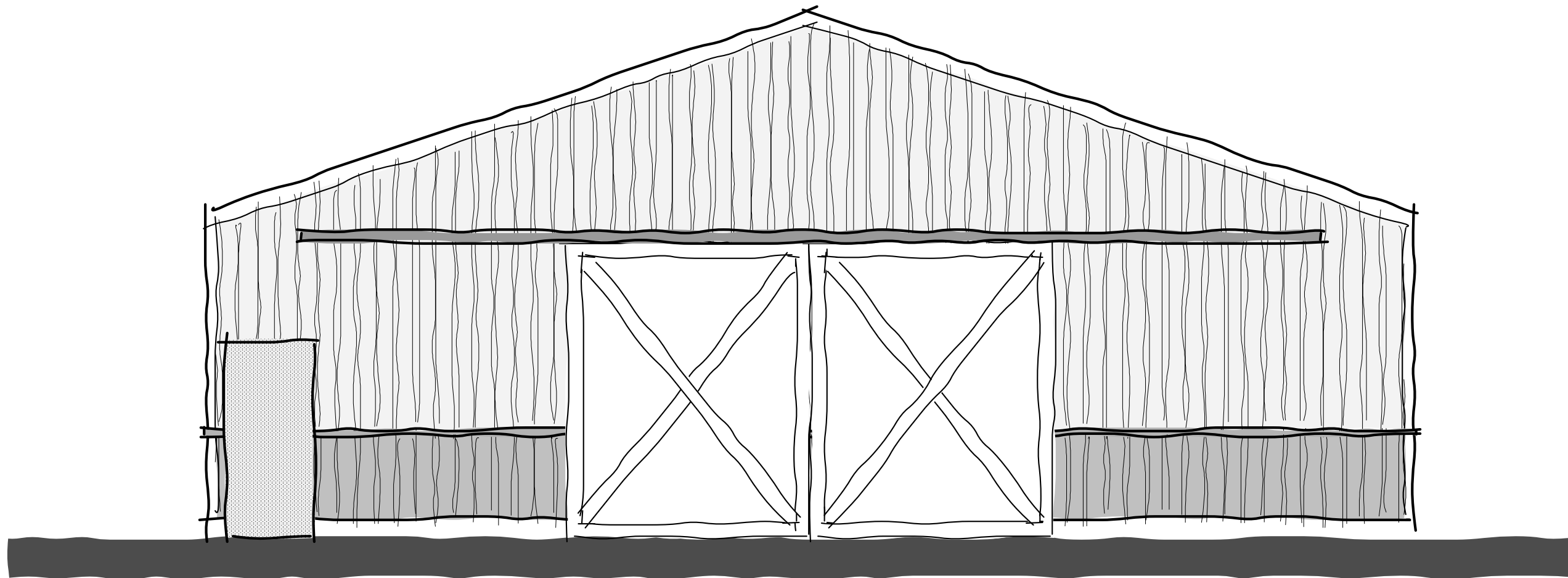
SITE PLAN
FOR
KEVIN & RENEE DRAVIS
2507 BARLOW ROAD
SUBLOT 1 IN THE TURKEY POINT ESTATES SUBDIVISION
SURVEY #8368
CITY OF HUDSON, SUMMIT COUNTY, OHIO

5425 WARNER ROAD - SUITE 12
VALLEY VIEW, OHIO 44125
440-602-9071 FAX 216-369-0259

AZTECH
ENGINEERING and SURVEYING
Civil Engineering - Land Surveying

HORIZ. SCALE:	1" = 20'	VERT. SCALE:	
DRAWN BY:	LNE	DATE:	1-13-2025
CHECKED BY:	SRL	DRAWING NO.:	20244022
JOB NO.:	20244022	SHEET:	1 OF 1

Dravis Residence



drawing index

- A-1 cover sheet
- A-2 elevations
- A-3 foundation floor plan
- A-4 main floor plan
- A-5 interior plan
- A-6 section/details

code summary & design criteria

2024 Ohio Plumbing Code
2024 Ohio Mechanical Code
2023 National Electric Code (NEC) – NFPA 70-17
2021 International Fuel Gas Code
Accessibility – Chapter 11 OBC with current amendments & ICC/ANSI A117.1-2009
2018 International Energy Conservation Code
ASHRAE 90.1-2010
2016 National Fire Alarm Code (NFPA 13-16)
2016 International Fire Code
2019 OBC – Residential Code of Ohio (RCO)

Design Snow Load:
section 301 design criteria
figure 301.2(5) ground snow loads
roof snow load = 20 psf

Design Wind Load:
table 301.2(2) component and cladding loads for a building
with a mean roof height of 33 feet located in exposure b
115 mph (3 second gust)

building infomation

Square Foot (Finished/Living)	
Basement	0
Main Floor	2480
Upper Floor	0
	0
Concrete	
Basement	0
Garage	2480
Entry Covered Porch	0
Rear Covered Porch	0

general notes

the use of these documents is restricted to the ordinal sirte for which they where prepared, reuse or reproduction of the documents (in whole or in part), for any other purpose is prohibited. Streamline Designs , and Jonah Bok retains all rights of ownership for these documents.

do not scale drawings, written dimensions govern.

if a discrepancy or conflict between code requirements, drawings details, specifications, engineering data, manufacturers's recommendations, or owner provided information becomes know to the contractor , he or she shall promptly report to the conflict or discrepancy in writing to the architect or owner's representative for clarification and corrected action, in addition, any work installed in conflict with requirements identified herein, without proper notification shall be corrected by the contractor at this or her expense, and at no cost to the architect, engineer,occupant, or building owner.

all exterior dimensions are from face of masonry to face of masonry, or face of sheathing unless otherwise noted. verify all dimensions prior to beginning work.

all interior dimensions are from the face of rough framing to face of rough framing unless otherwise noted. verify all dimensions prior to beginning work.

sub-contractor shall determine erection procedure and sequencing and provide whatever bracing that may be required to complete the work.

verify all rough openings with manufacturer prior to framing.

each sub-contractor shall obtain and pay for required permits and schedule at inspections and coordinate all trades.

the contractor and sub-contractors shall be solely responsible for complying with all federal, state and local safety requirements together with exercising precautions at all times for the protection of all persons including employees and property. it is the sole responsibility of the contractor and subcontractors to initiate, maintain and supervise all safety requirements, precautions and programs in connection with the work.

draftstopping shall be provided in all attic areas exceeding 3,000 sq. ft. in area

firestopping shall be installed in all concealed spaces of stud walls and partitions including furred or studded off spaces of masonry or concrete walls, and at the ceiling and floor or roof levels. firestopping shall be installed at the interconnections between vertical and horizontal spaced such as occurring at soffits over cabinets, drop ceilings, cove ceiling and etc.

symbols and abbreviations used on these drawings are considered to be construction standards. if the contractor has questions regarding abbreviations or symbols as to their exact meaning, the designer shall be notified at once for clarification.

symbol legend

point load above, continues load

point load above, transferred load to there bearing

section

sheet

cross section

sloped ceiling direction

stair direction

elevation heights

inches

feet

door size (3'-0")

existing floor joist/ceiling joist/rafter direction

floor joist direction

ceiling joist direction

rafter direction

roor truss direction

roof truss glrder

flush multiple joist or beam

dropped header or beam

steel beam

footer

closet rod and shelf

kitchen cabinet and cased openings

cantilever floors

other floor building lines

roof line

elevation lines

hidden line & post footing

regular object line

center line

plumbing fixtures above

main floor walls

main floor bearing walls

upper floor walls

upper floor bearing walls

half wall

face brick

walls above

basement floor walls

c.m.u. foundation wall

contrasting foundation wall

poured foundation wall

streamline designs does not provide any construction supervision. builder and / or owner is responsible to verify that all structure matches the plans as drawn and designed.

streamline designs is not responsible for structural or non structural issues related to soil conditions. any design, plan flip, site study, mechanical or truss related changes and/or issues brought to streamline designs after the printing of final construction sets will be considered changes to the drawings and billed.

streamline designs is not a truss designer. engineered roof trusses are the responsibility of the builder and/or owner, lumber company and truss manufacturer. truss designed roof plans are to be reviewed by the truss manufacturer prior to printing final construction sets, during this review process it will be the responsibility of the truss manufacturer to verify that all plate heights, heel heights and roof pitches will create a buildable truss package. the truss manufacturer is also responsible to verify, and if necessary, adjust the size of or add any beam, post or header that is directly effected or required to carry the roof loads. in this event, the truss manufacturer, builder and/or owner shall contact schill architecture, llc to update the plan set.

it is the responsibility of the builder and/or owner to field verify all as built dimensions of foundation and framing prior to ordering trusses. streamline designs assumes no responsibility for trusses ordered solely from this set of construction documents.

streamline designs assumes no responsibility for any construction schedule changes or delays due to any engineered roof truss issues.

all trusses are to be designed by the truss manufacturer with detailed drawings describing truss layouts and load calculations used to design the trusses.

abbreviation legend

a.f.f.	above finish floor	elev.	elevation	max.	maximum	sched.	schedule
a.c.t.	acoustical ceiling tile	eq.	equal	mech.	mechanical	sht. no.	sheet number
alum.	aluminum	ex.	existing	mtl.	metal	sect.	section
approx.	approximate	exp. jt.	expansion joint	min.	minimum	stl. fr.	steel frame
bd.	board	fin.	finish	mdg.	moulding	struct.	structural
b.o.	bottom of	flr.	floor	mtd.	mounted	s.g.	supply grille
blk'g	blocking	g.b.	glass block	mfgr.	manufacturer	susp. clg.	suspended ceiling
bm.	beam	gl.	glass	n.i.c.	not in contract	sim.	similar
c.t.	ceramic tile	gyp. bd	gypsum board	n.t.s.	not to scale	t.	tread
clg.	ceiling	h.m.	hollow metal	o.c.	on center	t.o.	top of
cl.	center line	h.p.	high point	o.d.	outside dimension	typ.	typical
c.j.	control joint	ht.	height	opn'g.	opening	u.n.o.	unless noted otherwise
clr.	clear dimension	hr.	hour	plas.	plaster	v.i.f.	verify in field
cmu	concrete masonry unit	i.d.	inside dimension	plam.	plastic laminate	vin.	vinyl
col.	column	insul.	insulation	pdt.	painted	vnr.	vener
conc.	concrete	jst. brg.	joist bearing	plumb.	plumbing	v.b.	vapor barrier
contr.	contractor	l.p.	low point	r.	riser	w.w.f.	welded wire fabric
cpt.	carpet	m.o.	masonry opening	r.d.	roof drain	w/	with
d.s.	down spout	mas.	masonry	r.o.	rough opening	wd.	wood
dbl.	double	matl.	material	ref.	refer to	w.p.	work point
ddl.	detail			reinf.	reinforced	win.	window
dn.	down			r.g.	return grille		
dwg (s)	drawings			rfg.	roofing		
ea.	each						
elec.	electrical						

consultants

baseline structural criteria & design information

Framing Lumber (Minimum): E = 1,600,000 psi Fb = 1400 psi Fv = 105 psi	MicroLam (LVL): E = 1,900,000 psi Fb = 2600 psi Fv = 285 psi	Parallam (PSL): E = 2,000,000 psi Fb = 2900 psi Fv = 290 psi	Steel: ASTM A-36 E = 29,000,000 psi Fb = 22 ksi Fv = 14.5 ksi	Wind Speed (design) 87 mph ASD / 102 mph ULT Exposure B Risk Category I	Concrete: Interior = 3000 psi Exterior = 4000 psi (air)	Soil Bearing Capacity (min.): 1500 psf assumed, geotechnical engineer to verify soil bearing capacity	Live Loads: Roof = 20 psf	Dead Loads: Roof = 10 psf	Allowable Deflection: Beams & Headers = L/180	Truss Data (Min.): Top Chord: LL= 20 psf DL= 5 psf Bottom Chord: DL= 5 psf	Seismic Category B	Engineered Products LVL's , PSL's, TJI's by Truss Joist Weyerhaeuser all engineered floor systems shall be designed by the manufacturer. it is the builder and/or owners responsibility to supply any/or all of this information if requested by the building department to issue building permits.
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Dravis Residence

2507 Barlow Road, Hudson, Ohio

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JOB NUMBER

25046

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SHEET TITLE

cover sheet

SHEET

A-1

of

6

Dravis Residence

2507 Barlow Road, Hudson, Ohio

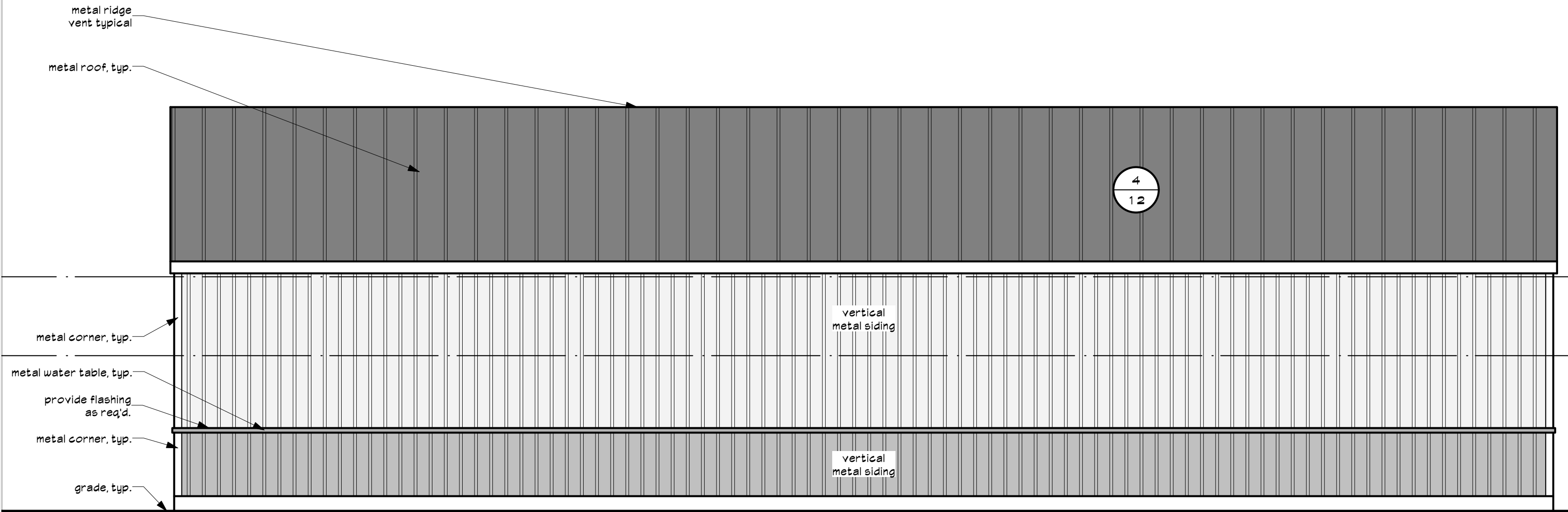
note

1) building contractor to verify all materials, finishes and sizes prior to construction.

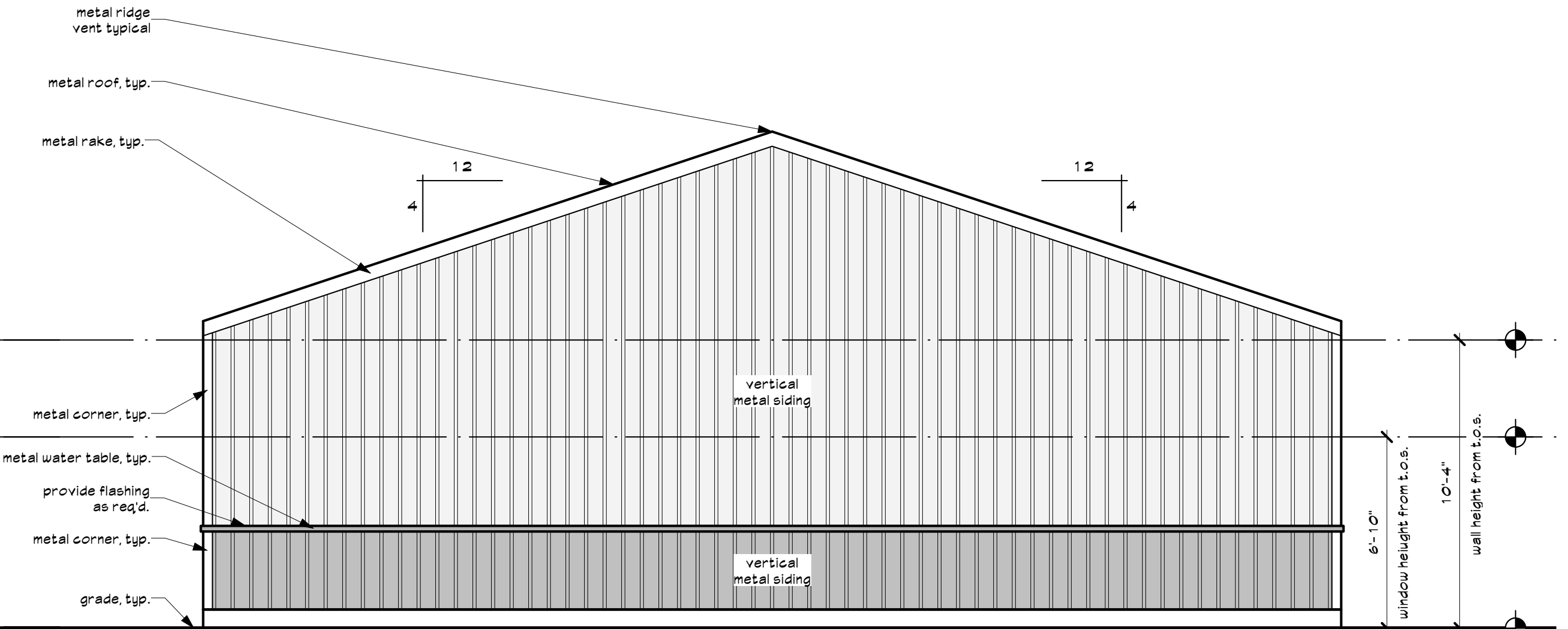
2) provide safety glass for window glazing < 18" x 11" or adjust window size 10"

3) field verify all window locations & rough openings as required with window manufacturers specifications.

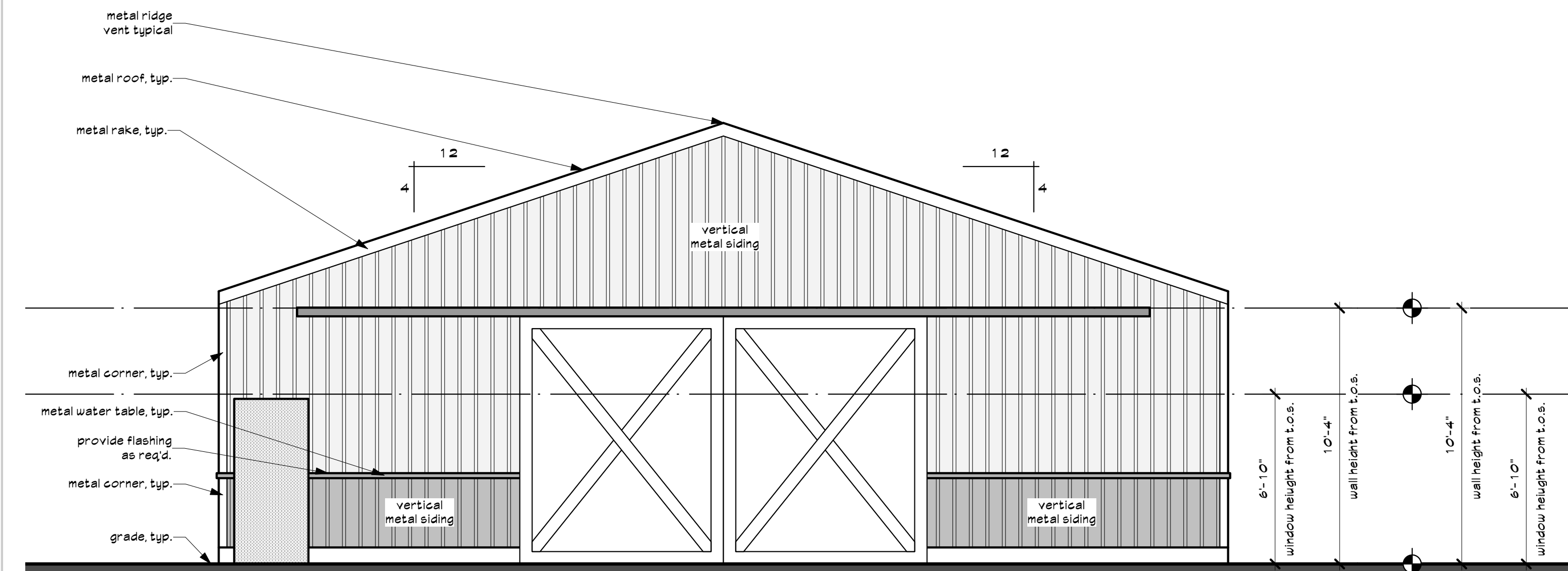
4) treated wood notes: all anchors, connectors, fasteners etc. must be of suitable material to resist reaction or corrosion with the treated lumber. consult with manufacturer or material supplier for proper fasteners required.



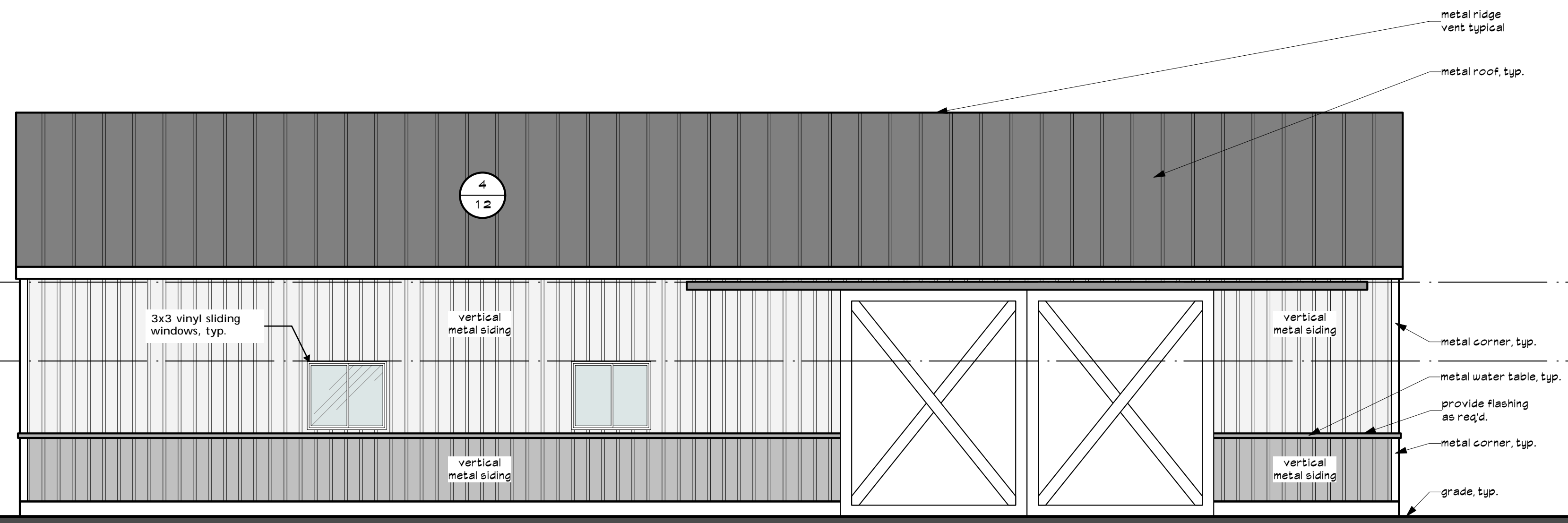
left side elevation scale: 1/4" = 1'-0"



rear elevation scale: 1/4" = 1'-0"



front elevation scale: 1/4" = 1'-0"



right side elevation scale: 1/4" = 1'-0"



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elevations

SHEET

A-2

* all lv's are 1 3/4" wide typical.

1) all anchors, connectors, fasteners etc. must be of suitable material to resist reaction or corrosion with the treated lumber. consult with manufacturer or material supplier for proper fasteners required.

2) provide preservative treated wood with quality mark at:

- a.) framing members with in 8" of grade on concrete or masonry.
- b.) exterior wood siding/sheathing/wall framing with in 6" of grade or 2" of concrete steps, porch slab, or patio slab or similar.

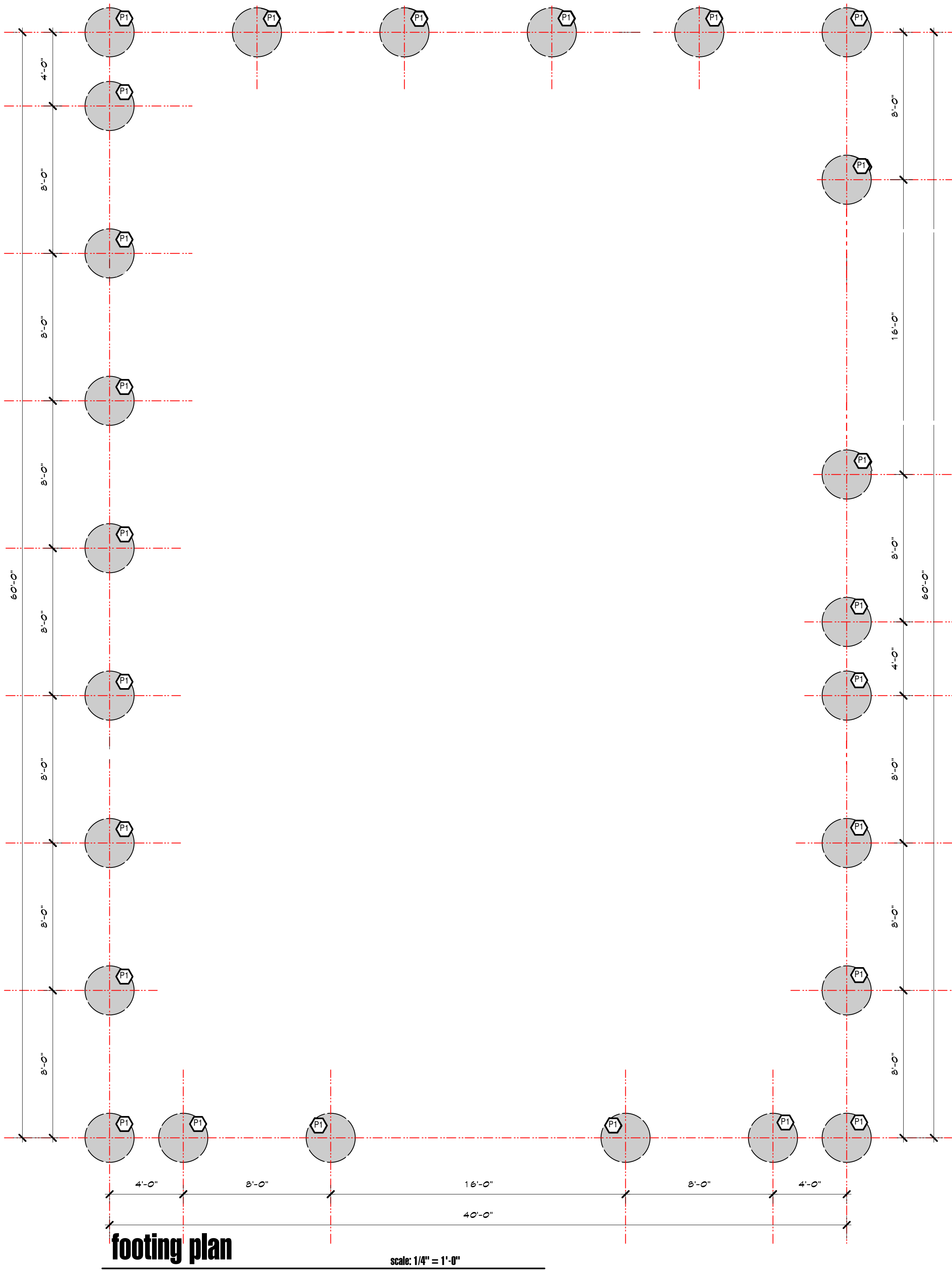
P1 6x6 treated wood post on 30" dia. x 12" deep footing pad.
bottom of footing pad = 6"-0" below finished grade.
encase post in concrete full height (60")
provide #4 x 24" long rebar in each direction through post.

P2 6x6 treated wood post 24" embed plus 18" dia. x 12" deep footing pad.

It is the responsibility of the builder to inform the owner or if the owner is acting as his or her own contractor to know that all houses have a potential to have radon levels which may exceed the recommended levels established by the United States Environmental Protection Agency.

the builder and/or owner shall decide what action, if any, should be taken concerning radon. it is not the responsibility of streamline designs to determine if a radon abatement system is required.

for any elements of construction not specifically noted on these plans, comply with the latest edition of the residential code of ohio, unless local building and zoning departments adhere to a specific edition.



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2507 Barlow Road, Hudson, Ohio



25046

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JME

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foundation floor
plan

of
6

* all lv's are 1 3/4" wide typical.

1) all anchors, connectors, fasteners etc. must be of suitable material to resist reaction or corrosion with the treated lumber. consult with manufacturer or material supplier for proper fasteners required.

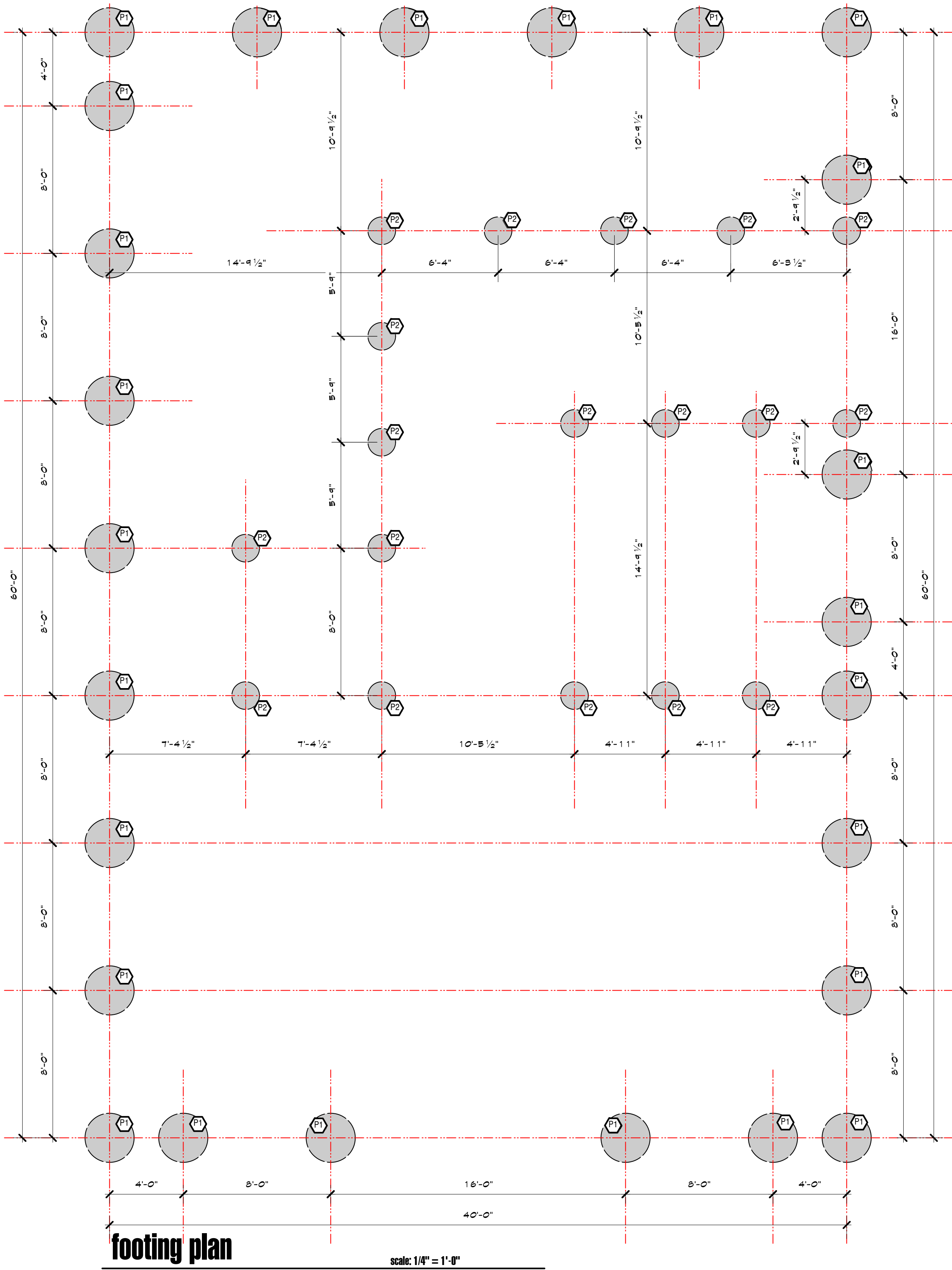
2) provide preservative treated wood with quality mark at:

- a.) framing members with in 8" of grade on concrete or masonry.
- b.) exterior wood siding/sheathing/wall framing with in 6" of grade or 2" of concrete steps, porch slab, or patio slab or similar.

for any elements of construction not specifically noted on these plans, comply with the latest edition of the residential code of ohio, unless local building and zoning departments adhere to a specific edition.

P1 6x6 treated wood post on 30" dia. x 12" deep footing pad. bottom of footing pad = 6'-0" below finished grade.
encase post in concrete full height (60")
provide #4 x 24" long rebar in each direction through post.

P2 6x6 treated wood post 24" embed plus 18" dia. x 12" deep footing pad.



2507 Barlow Road, Hudson, Ohio



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SHEET TITLE

foundation floor
plan

SHEET

A-3

_____ of _____
6

treated wood note

- 1) all anchors, connectors, fasteners etc. must be of suitable material to resist reaction or corrosion with the treated lumber. consult with manufacturer or material supplier for proper fasteners required.
- 2) provide preservative treated wood with quality mark at:
 - a.) framing members with in 6" of grade on concrete or masonry.
 - b.) exterior wood siding/shathing/wall framing with in 6" of grade or 2" of concrete slope, porch slab, coped slab or similar.

header schedule

typical header u.n.o.

- * (2) 2"x10" with 1/2" plywood spacer for 2"x4" walls.

- * (2) 2"x10" with 1/2" plywood spacer for 2"x6" walls.

lvl notes

- * lvs denote laminated veneer lumber sections with section depths indicated on plan.

- * all lvs are 1 3/4" wide typical.

truss schedule

Lumber Splice-Pine-Fit (SPF) #2 or equal., unless noted otherwise. Refer to roof truss shop drawings for layout and spacing of joist.

- T1 pre-engineered roof truss system refer to mfg. shop drawings

column schedule

- C10 6x6

g.c. and / or owners shall notify the architect of any field changes made to the plans or building during construction.

field changes made to the building without the consultation and/or approval of the architect will be the sole responsibility of g.c. and building owners.

g.c. shall notify the architect of any questions or clarifications of the design drawings. any changes or alteration made to the drawings without the consent or clarification of the framing notes

all windows shall be flashed and sealed over nailing flanges with window flashing tape.

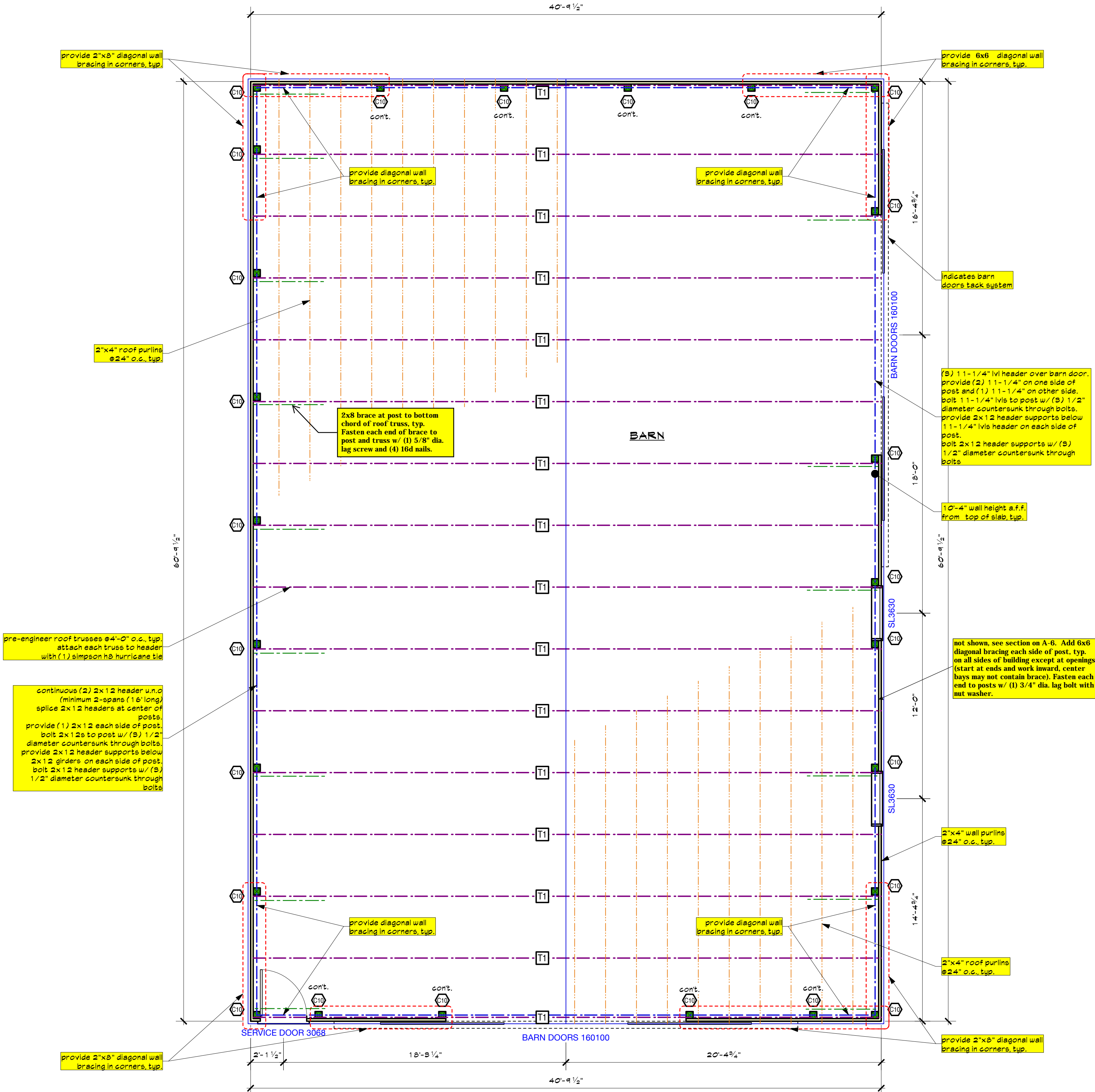
all enclosed attics and rafter spaces shall have cross ventilation with the net free ventilating area not less than 1/300 of the area to be ventilated. all openings shall be protected against the entrance of snow and rain.

all lumber in contact with masonry and/or concrete shall be protected from decay in accordance with o.r.c. 317.1.2 provide 2" / 4" clear spacing between masonry fireplaces and all wood framing.

all cutting, notching, and boring shall be in conformance with o.r.c. r-602.6 & r-602.6.1 all joists, beams and girders shall bear a minimum of 1-1/2" on wood or metal, and 3" on masonry.

it is the responsibility of the builder and/or owner to verify that all lumber used for this project meets or exceeds the minimum requirements of strength and moisture content set forth by the state and local building codes.

all lumber shall be stamped with the grademark of an approved testing agency.



main floor plan

scale: 1/4" = 1'-0"

main floor walls are 10'-4" from to of slab, unless noted otherwise
exterior and interior doors are 6'-10", unless noted otherwise
windows are 6'-10", unless noted otherwise

2480 sq/ft

general plan notes

- 1) exterior walls are dimensioned at 1 1/2" to the outside
- 2) building contractor must verify all site conditions prior to commencement of construction.
- 3) all wall angles are 45 degrees unless otherwise noted.
- 4) field verify all window locations & rough openings as required with window manufacturers specifications.
- 5) provide safety glass for window glazing < 18" a.t.t. or adjust window size typ.
- 6) structural and framing members indicated are sized based on species of lumber that satisfy the span.

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SHEET TITLE

main floor plan

SHEET

A-4

of

6

general plan notes

- 1) exterior walls are dimensioned at 1 1/2" to the outside
2) building contractor must verify all site conditions prior to commencement of construction.
3) all wall angles are 45 degrees unless otherwise noted.
4) field verify all window locations & rough openings as required with window manufacturers specifications.
5) provide safety glass for window glazing < 18" a.f.f. or adjust window size type.
6) structural and framing members indicated are sized based on species of lumber that satisfy the span.
7) builder to verify that all roof truss bracing and bear on load bearing walls which align as shown and terminate at foundation and be supported by thickened slab grade beam or footing as indicated.

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SHEET TITLE

interior floor
plan

SHEET

A-5

of

6



interior floor plan

scale: 1/4" = 1'-0"

22507 Barlow Road, Hudson, Ohio



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6/5/25

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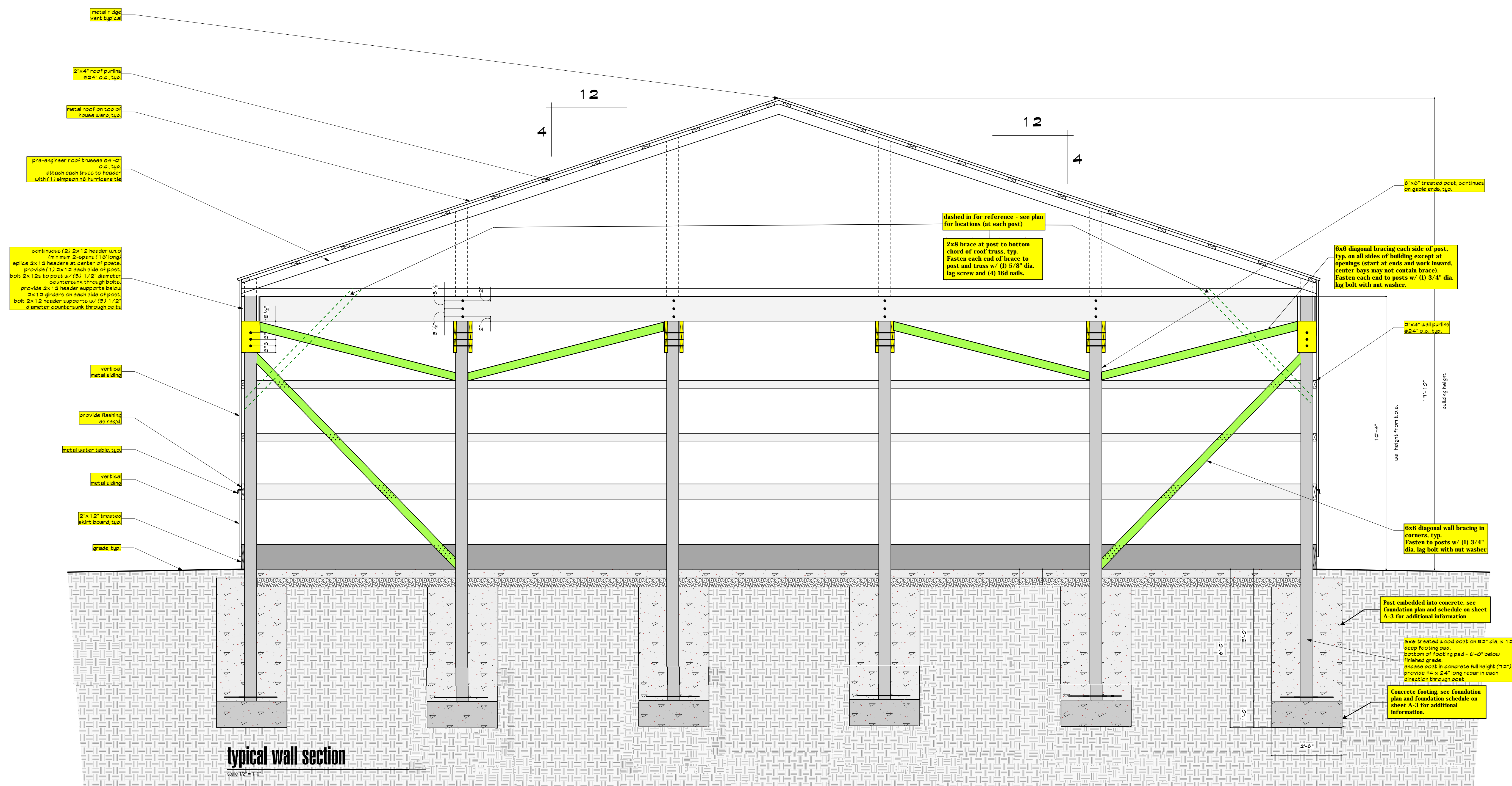
SHEET TITLE

typical section details

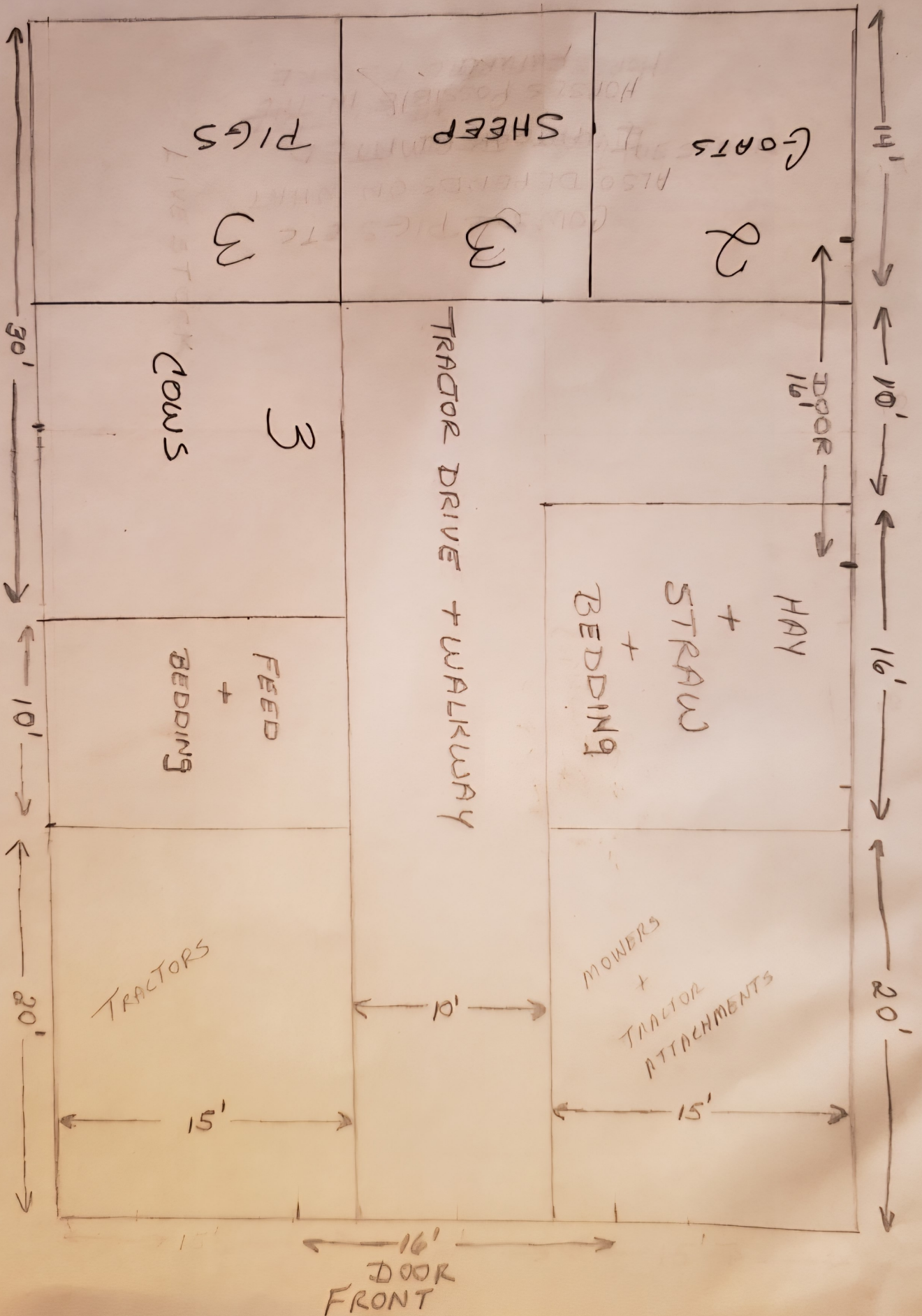
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A-6

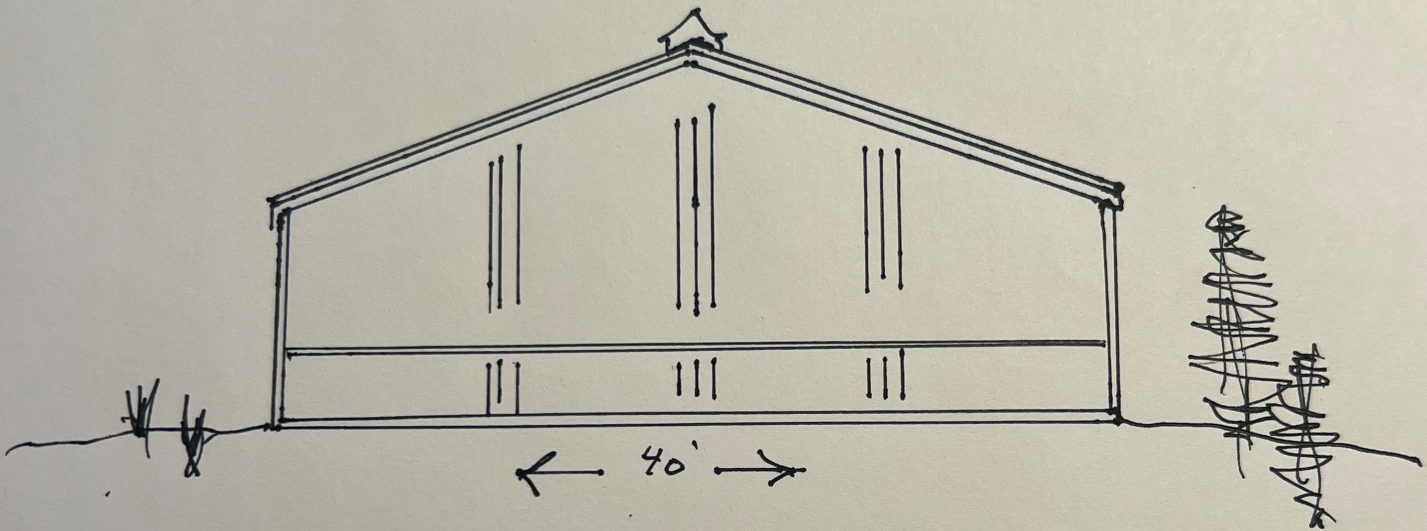
_____ of _____
6



BACK

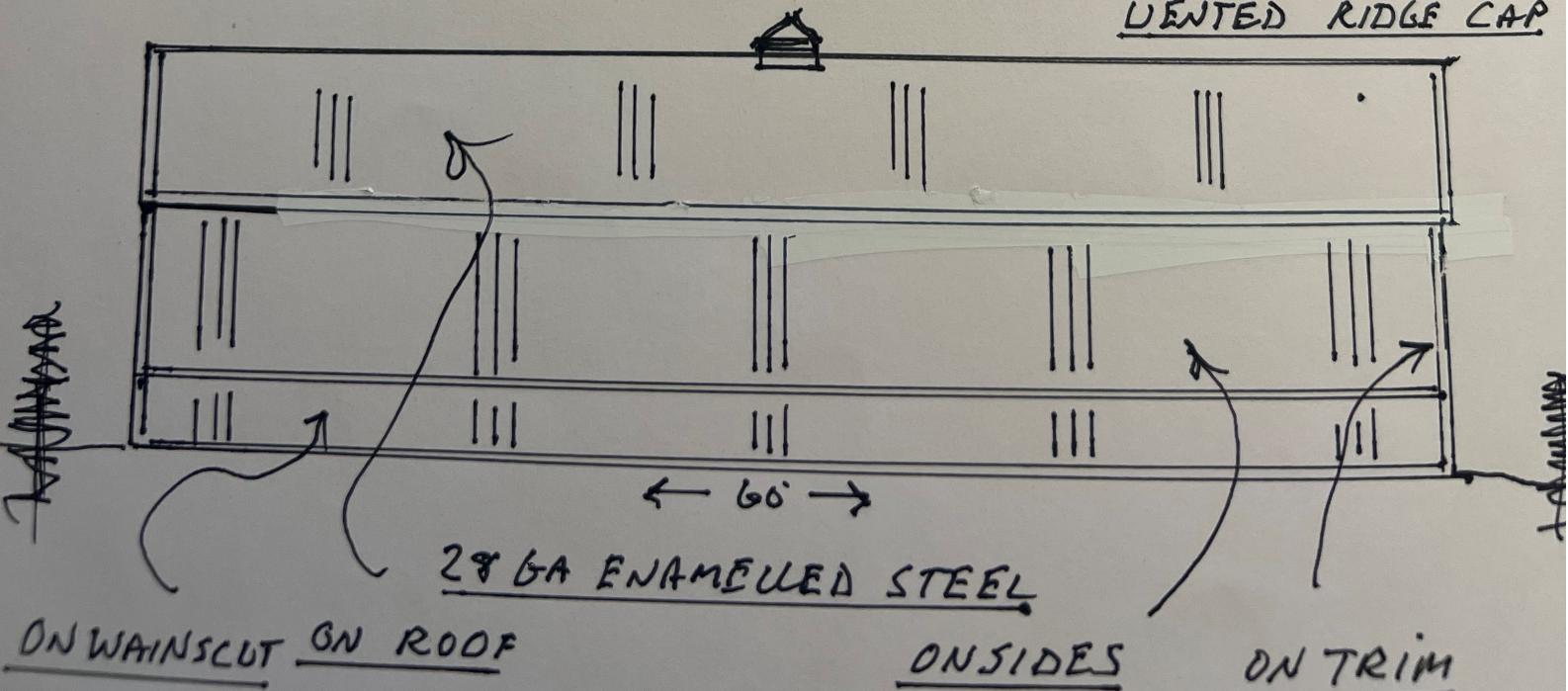


KEVIN DRAVIS PROPOSED BARN
EAVE AND GABLE BACK ELEVATIONS
1" = 10' SCALE



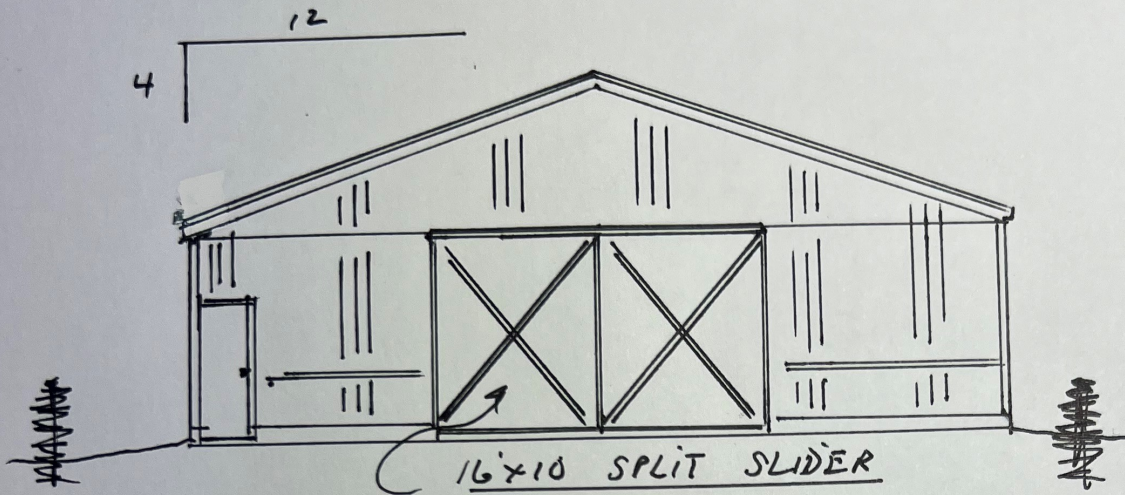
VAPOR BARRIER UNDER
ROOF STEEL

VENTED RIDGE CAP

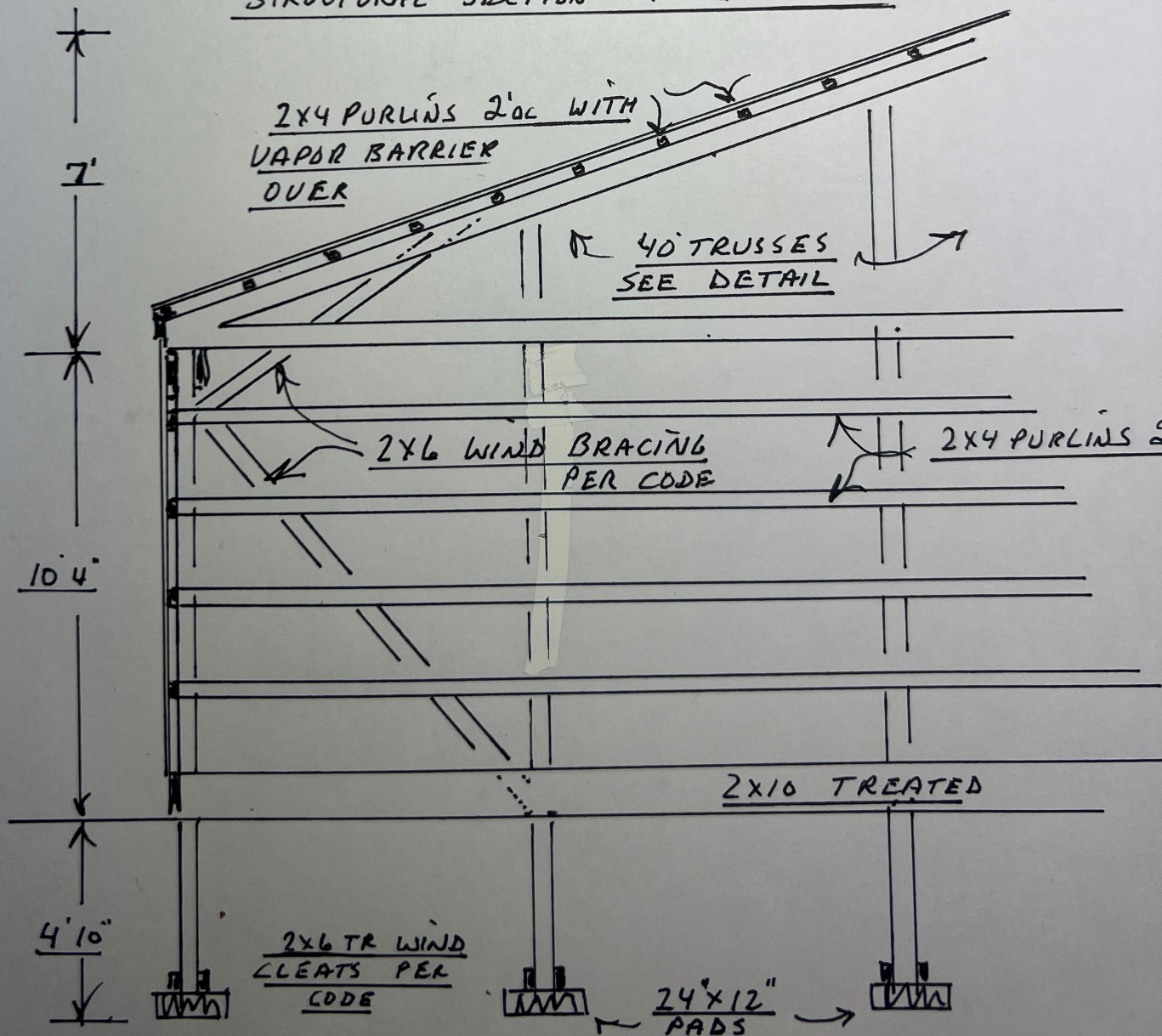


PROPOSED BARN REVIN DRAVLS

EABLE ELEVATION 1"=10' SCALE



STRUCTURAL SECTION 1"=4' SCALE



Job	Truss	Truss Type	Qty	Ply	Holmes - Swallen	13261 748
52691	T01	OBL. FINK	16	1		

Hostetter's Metal and Truss, Walhonding, OH - 43843.

8.210 s Feb 12 2018 MITek Industries, Inc. Tue Mar 6 10:05:32 2018 Page 1
ID: Jt8AJNou04s5kch2Dulny3oG4-sOEf4MPHyRkG AF11QtNJBf3huov0JaPmNwO_zdgY1

Job Reference (optional)

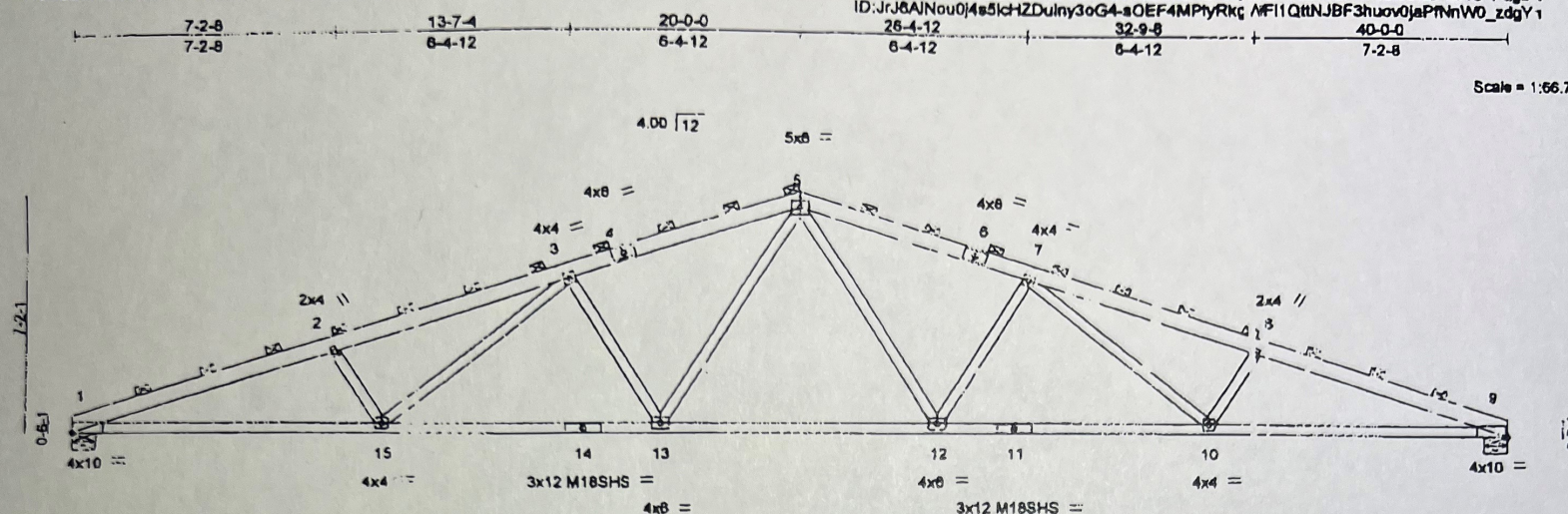


Plate Offsets (X,Y) -	8-5-14	16-1-15	23-10-1	31-8-2	40-0-0
	8-5-14	7-8-2	7-8-2	7-8-2	8-5-14

LOADING (psf)	SPACING	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 23.1 (Ground Snow=30.0)	4-0-0	TC 0.53	Vert(LL)	-0.46 12-13	>999	380	MT20	197/144
TCDL 5.0	Plate Grip DOL 1.15	BC 0.81	Vert(TL)	-0.69 12-13	>681	240	M18SHS	197/144
BCLL 0.0	Lumber DOL 1.15	WB 0.74	Horz(TL)	0.28 9	n/a	n/a		
BCDL 2.0	Rep Stress l-cr NO	Matrix-S						
	Code IBC2012/TP12007						Weight: 194 lb	FT = 10%

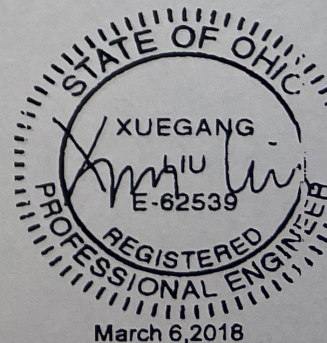
LUMBER-
TOP CHORD 2x6 SP DSS
BOT CHORD 2x4 SPF 2100F 1.8E "Except"
 11-14: 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (3-1-7 max.)
 (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 4-9-3 oc bracing.

REACTIONS. (lb/size) 1=2368/0-8-0, 9=2363/0-8-0
 Max Horz 1=239(LC 11)
 Max Uplift 1=1132(LC 6), 9=132(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5892/2749, 2-3=-5557/2695, 3-5=-4371/2114, 5-7=-4371/2114, 7-8=-5557/2697,
 8-9=-5892/2750
BOT CHORD 1-15=-2651/5445, 13-15=-2048/4550, 12-13=-1354/3482, 10-12=-1872/4550,
 9-10=-2477/5445
WEBS 2-15=-568/453, 3-15=-525/832, 3-13=-1295/734, 5-13=-700/1377, 5-12=-700/1377,
 7-12=-1295/734, 7-10=-527/832, 8-10=-568/454

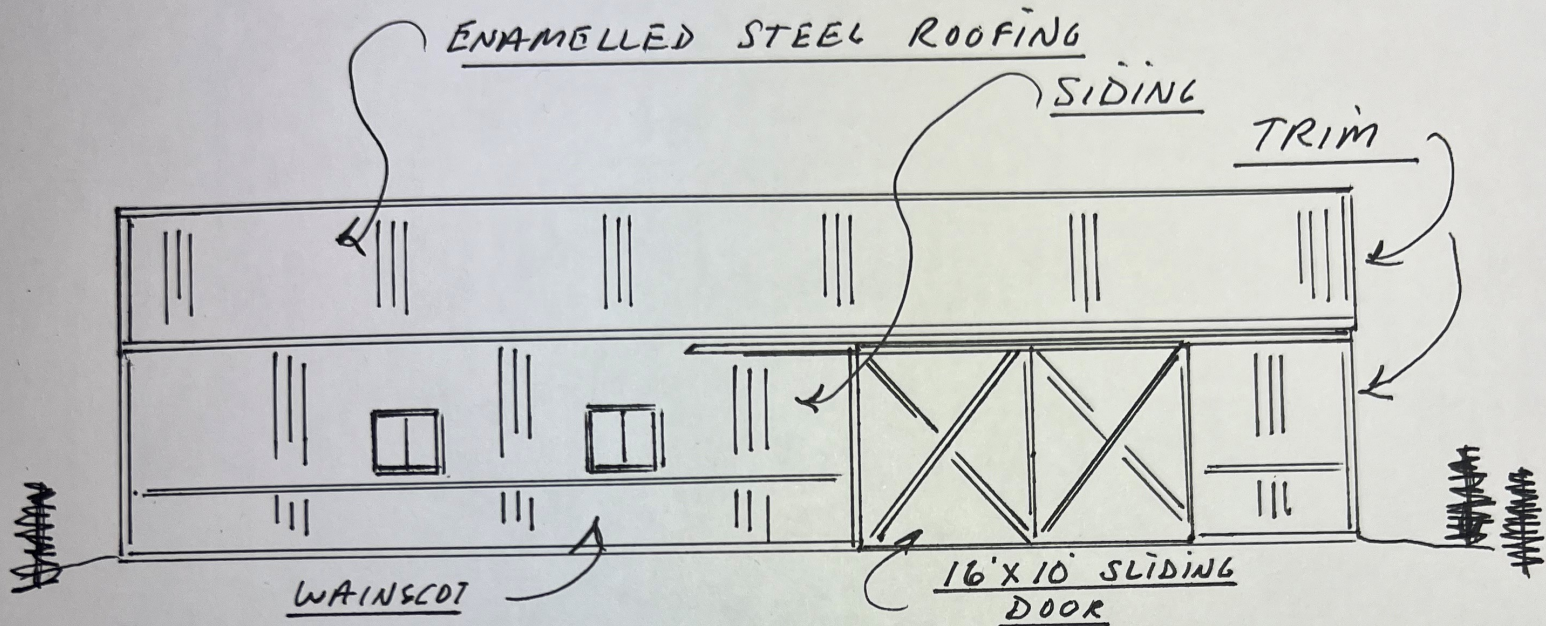
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=81mph; TCDL=3.0psf; BCDL=1.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) TCLL: ASCE 7-10; Pg= 30.0 psf (ground snow); Pl=23.1 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) The bottom chord dead load shown is sufficient only to cover the truss weight itself and does not allow for any additional load to be added to the bottom chord.
 - 5) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=1132, 9=1132.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



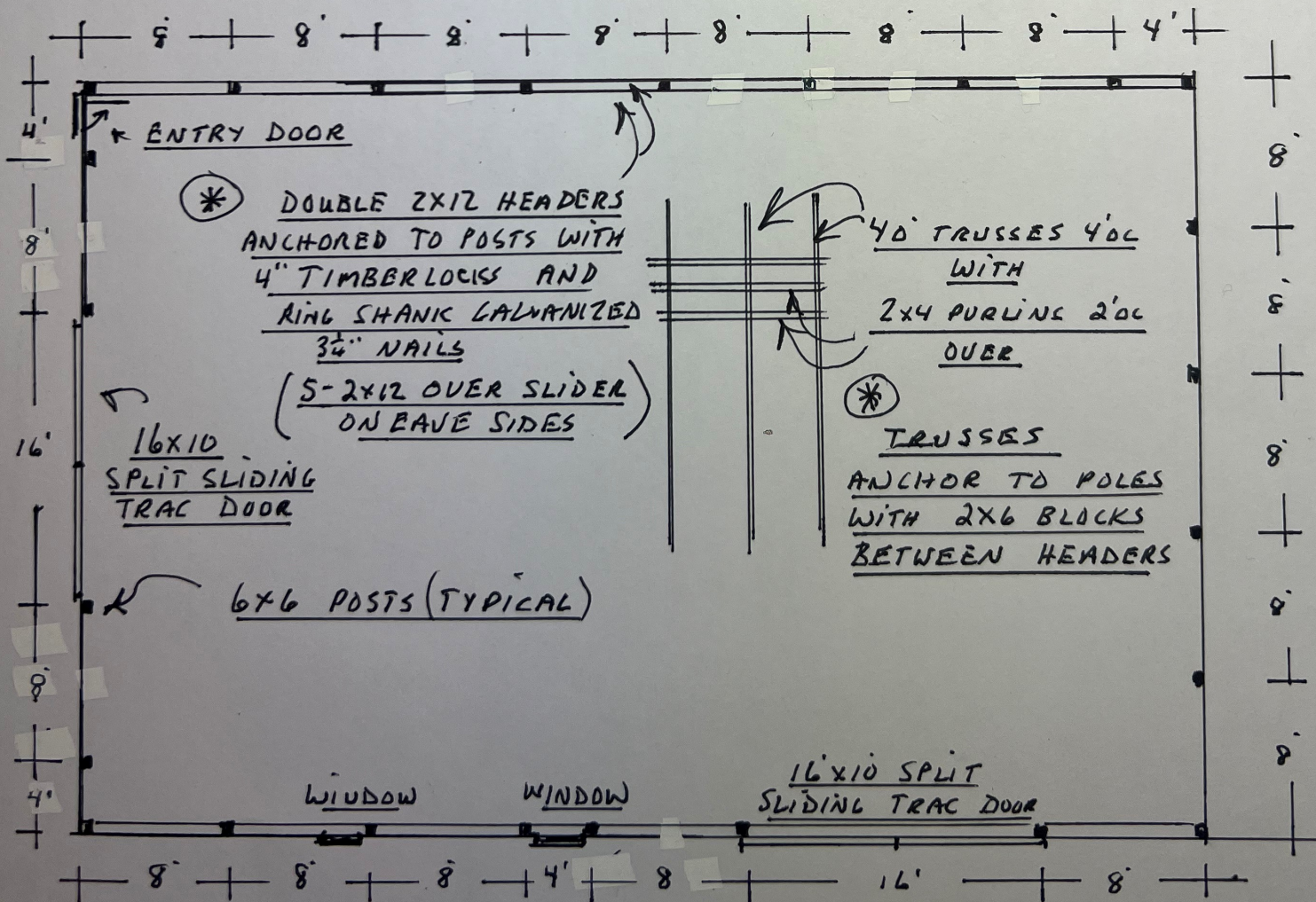
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE ML-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSIT/TPM Quality Criteria, D88-89 and BCS Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MITek
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 Chesterfield, MO 63017

KEVIN DRAVIS PROPOSED BARN
EAVE ELEVATION 1" = 10' SCALE



POST-HEADER-DOOR-WINDOW LAYOUT 1" = 10'



BACK





