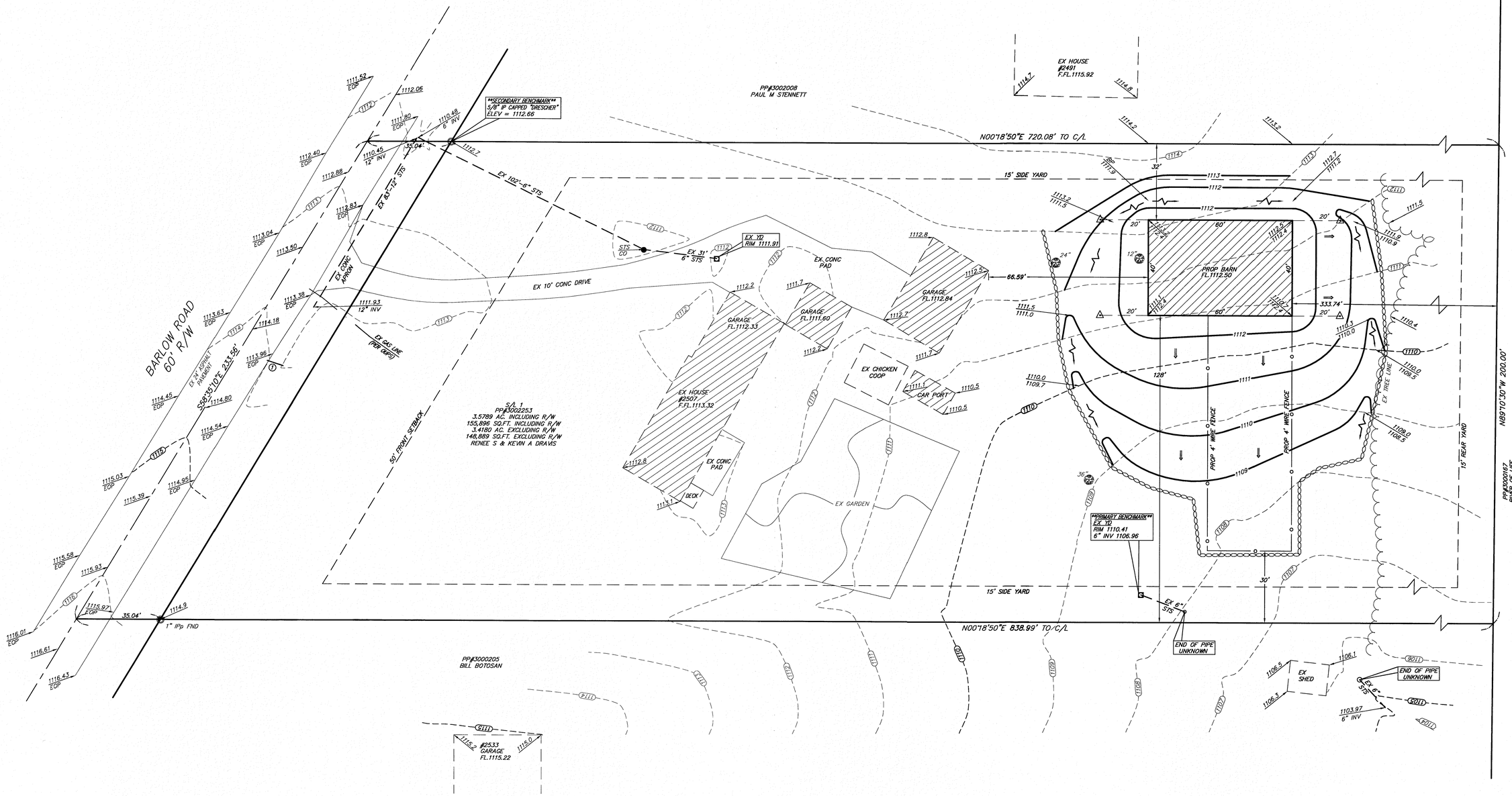


STATE OF OHIO
STAN R. LOCH
8249
REGISTERED
PROFESSIONAL SURVEYOR

STATE OF OHIO
STAN LOCH
E # 63332
REGISTERED
PROFESSIONAL ENGINEER

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

1-23-2025
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
= SWALE
EXISTING GRADE
PROPOSED GRADE

FEMA ZONE X
MAP 39153C0135E
EFF. 7/20/2009

Ⓣ = EX SAS LAT (PER OUPS FLAGGING)

DATE OF SURVEY
OCTOBER 4th, 2024

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

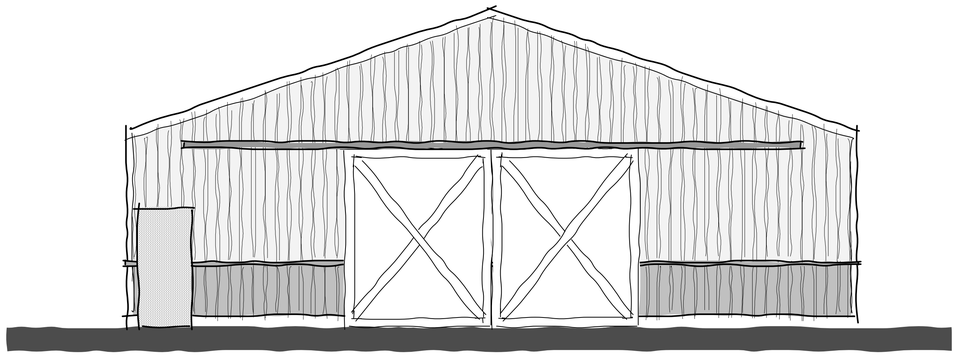
NO.	DATE	DESCRIPTION	BY
1	1/22/25	REV PER OWNER	LNE

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

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 discrepency or conflict between code requirements, drawings details, specifications, engineering data, manufactures's recommendations, or owner provided information becomes know to the contractor , he or she shall promptly report to the conflict or discreprepency 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 meaing, the designer shall be notified at once for clarification.

symbol legend

point load above, continues load

point load above, transfered load to there bearing

section
X
A-X
sheet
cross section

sloped ceiling direction

stair direction

elevation heights
3/0
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 girder
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 sizeof or add any beam, post or header that is directly effected or required to carrythe 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	mldg.	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	ptd.	painted	vnr.	veneer
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
dtl.	detail			reinf.	reinforced	win.	window
dn.	down			r.g.	return grille		
dwg (s)	drawings			rfg.	roofing		
ea.	each						
elec.	electrical						

consultants

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

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,
geotechincal 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

STATE OF OHIO
BRIAN T. HENGLE
68683
REGISTERED
PROFESSIONAL ENGINEER

JOB NUMBER
25046

DRAWN BY:
JMB

DATE	ISSUE
6/5/25	permits

REV	DATE	DESCRIP.

SHEET TITLE
cover sheet

SHEET
A-1

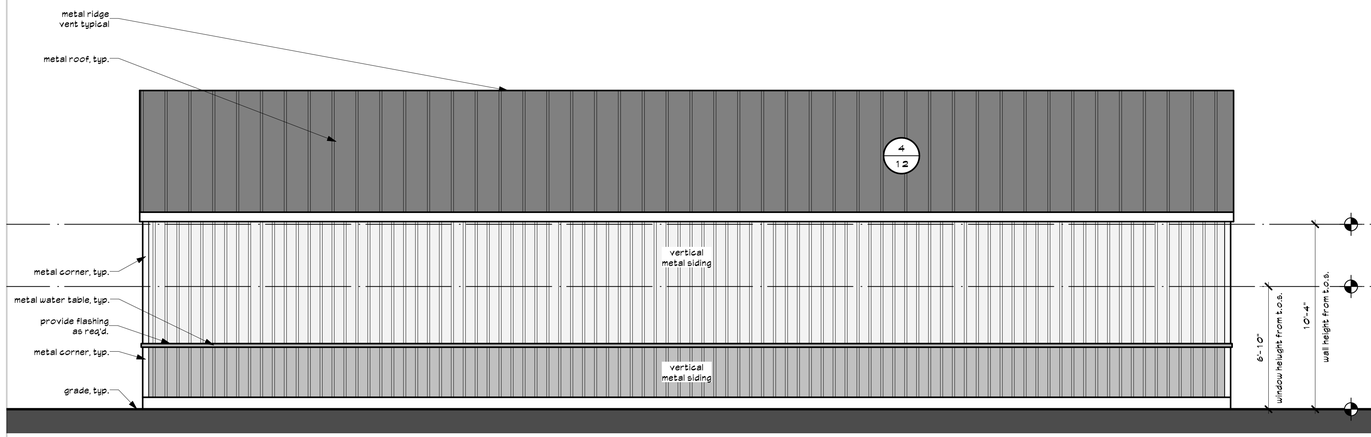
note

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

2) provide safety glass for window glazing < 18" a.f.f. or adjust window size typ.

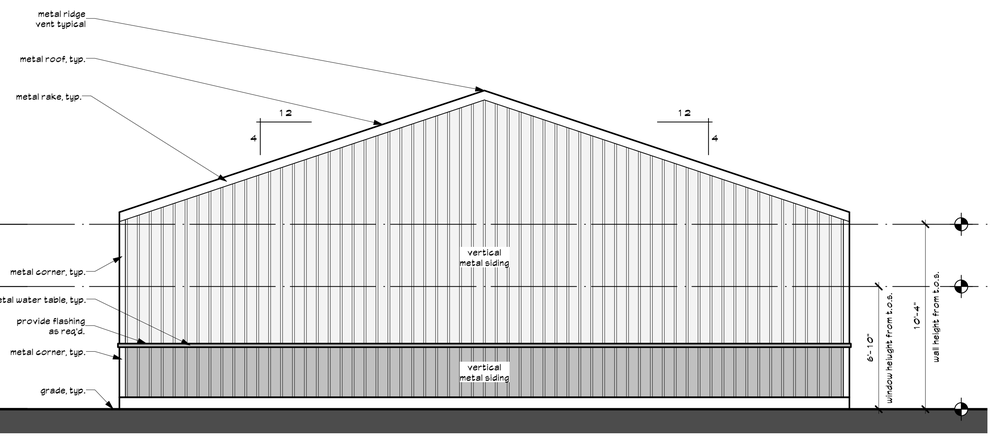
3) field verify all window locations & rough openings as required with window manufacturers specifications.

4) treated wood notice: 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.



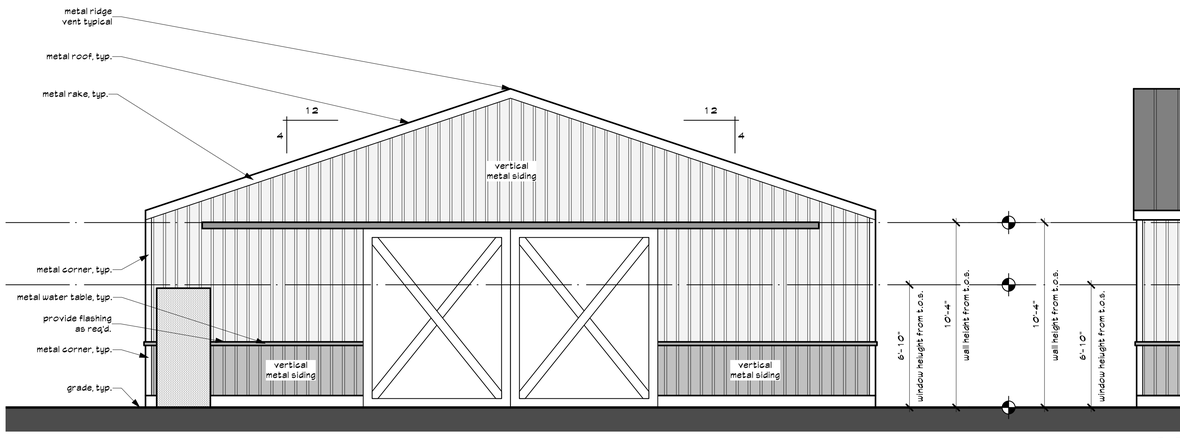
left side elevation

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



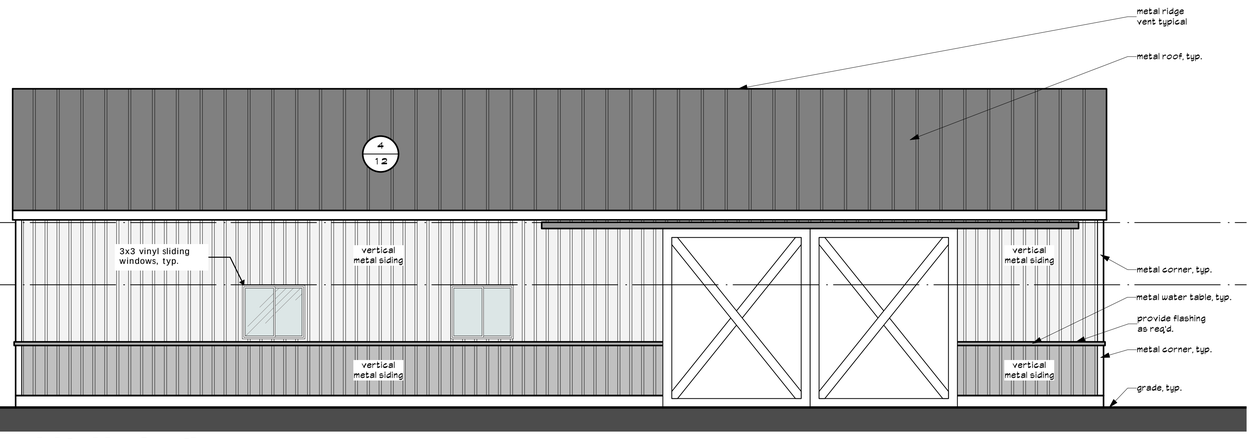
rear elevation

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



front elevation

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



right side elevation

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

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SHEET TITLE
elevations

SHEET
A-2

lvl notes

* lvl's denote laminated veneer lumber seltions with section depths indicated on plan.
* all lvl's are 1 3/4" wide typical.

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 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, orpatio slab or similar.

post & footing schedule

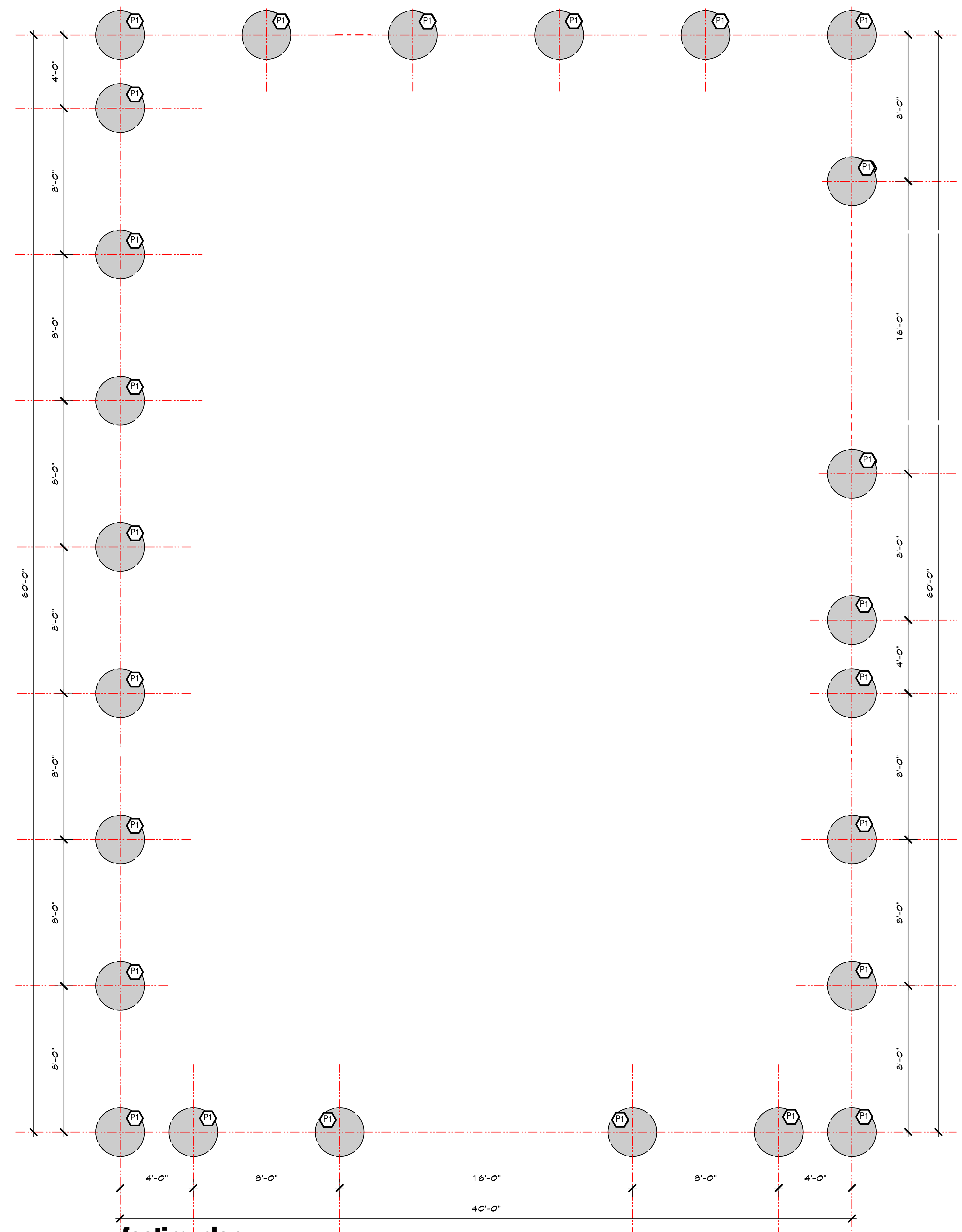
P1 — 6x6 treated wood post on 30" dia. x 12" deep footing pad. bottom of footing pad = 6'-0" below finished grade. encase post in concrete full height (60") provide #4 x 24" long rebar in each direction through post

P2 — 6x6 treated wood post 24" embed plus 18" dia. x12" 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 strteamline 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.



footing plan

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

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REV	DATE	DESCRIP.

SHEET TITLE
foundation floor plan

SHEET
A-3
of
6

lvl notes

** lvl's denote laminated veneer lumber sections with section depths indicated on plan.

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

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 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, cepatio slab or similar.

post & footing schedule

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. x12" deep footing pad.

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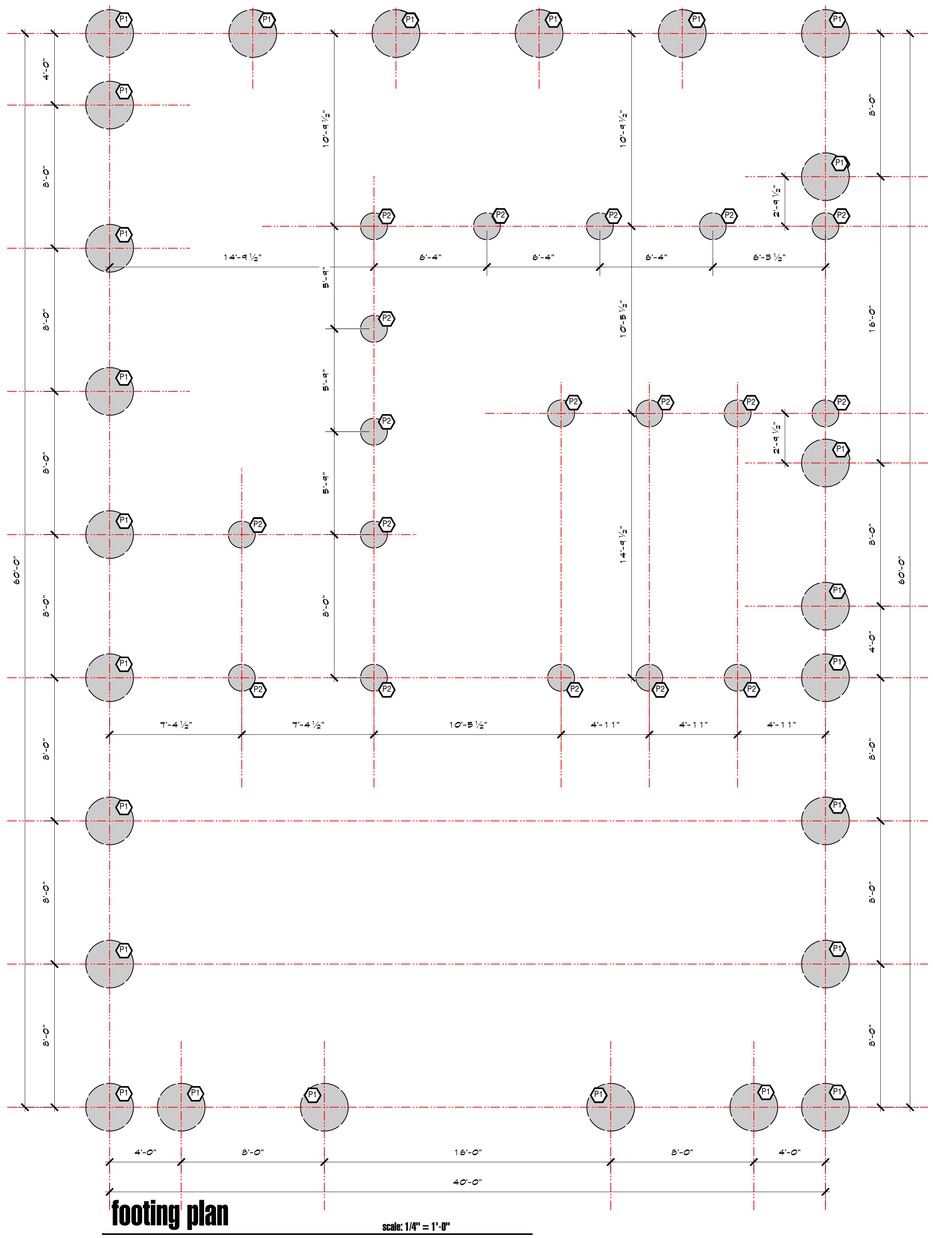

footing plan

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

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SHEET TITLE
foundation floor plan

SHEET
A-3

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 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, orpatio slab or similar.

header schedule

typical header u.n.o.

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

* (3) 2"x10" with 1/2" plywood spacer for 2"x6" walls.

lvl notes

* lvl's dencte laminated veneer lumber sellions with section depths indicated on plan.

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

truss schedule

Lumber Spruce-Pine-Fir (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.

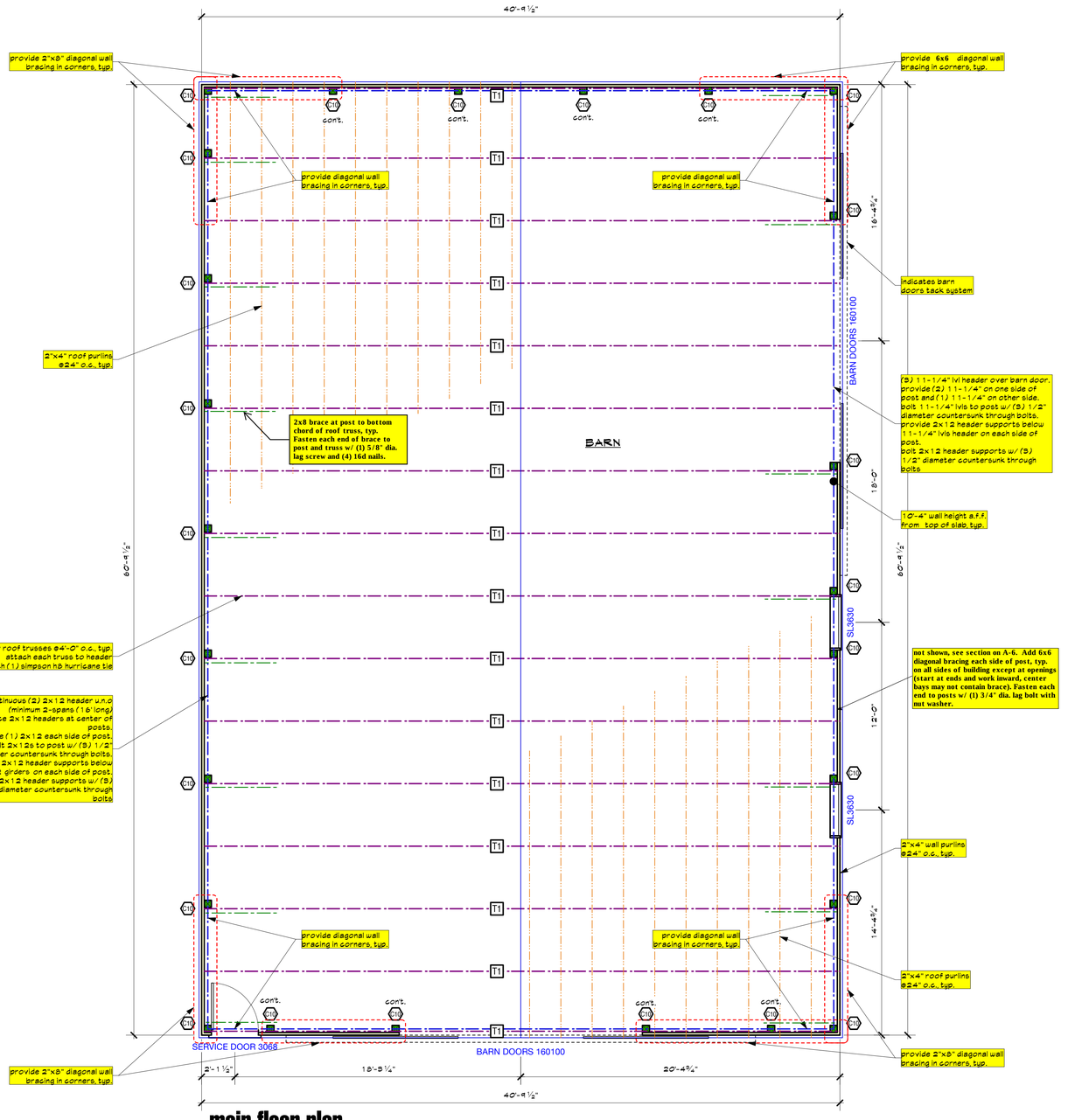
all enclosed attics and rafter spaces shall have cross ventilation with the net free ventilating area not less than 1/300 of the area to be ventilated. all openings shall be protected against the entrance of snow and rain.

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.f.f. 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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REV	DATE	DESCRIP.

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 typ.

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.

interior floor plan

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

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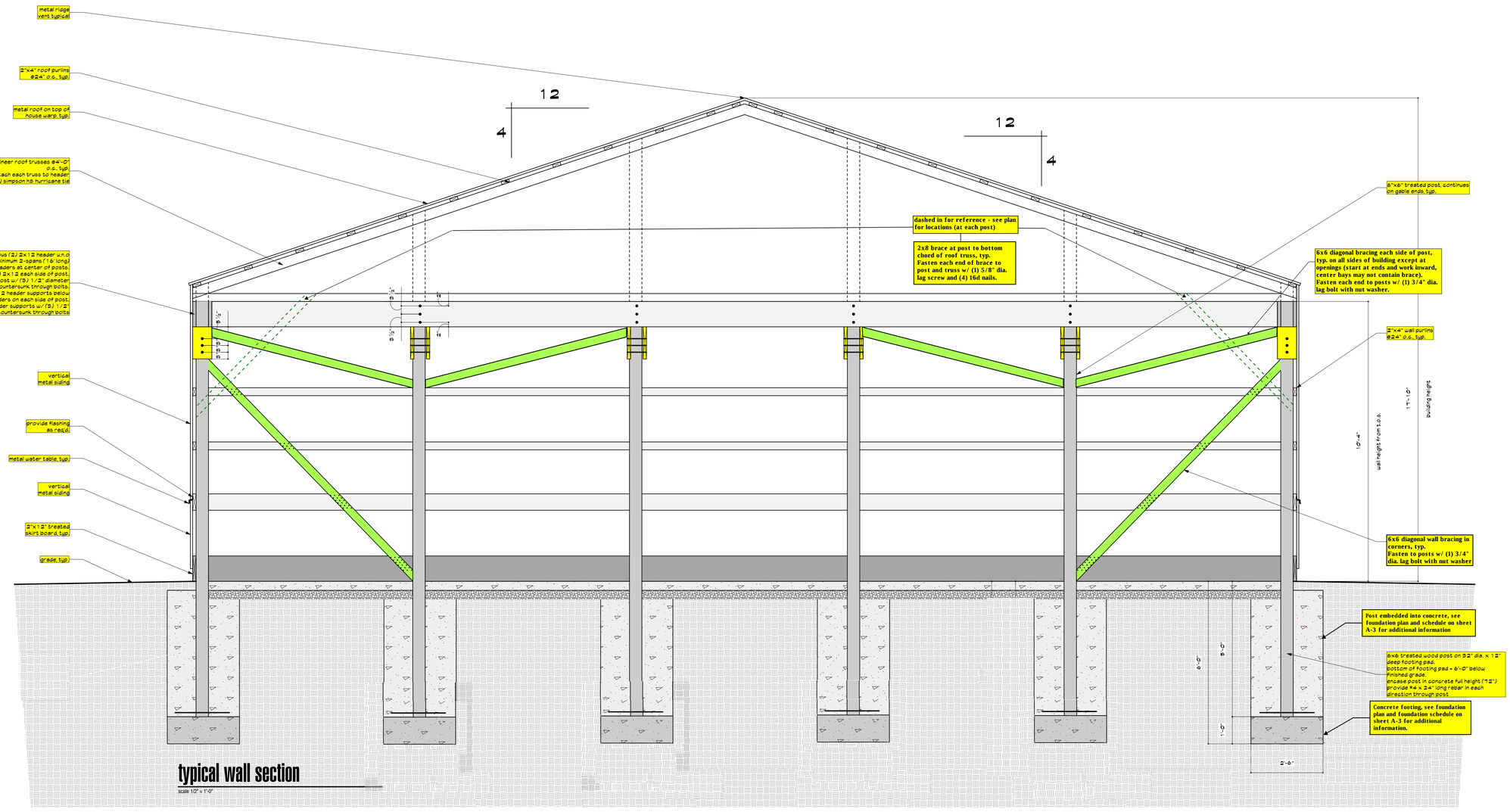
SHEET TITLE
interior floor plan

SHEET
A-5

of
6



typical wall section

scale 1/2" = 1'-0"

PREPARED BY:

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DATE	ISSUE
6/5/25	permits

REV	DATE	DESCRIP.

SHEET TITLE
typical section details

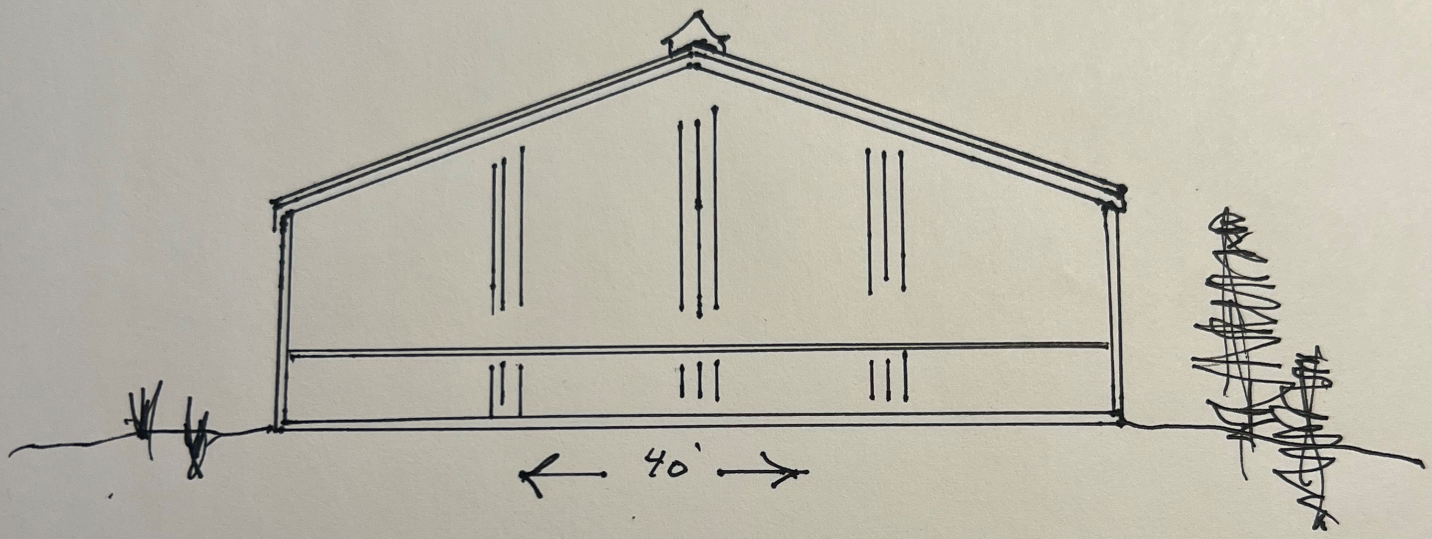
SHEET
A-6

of 6

BACK

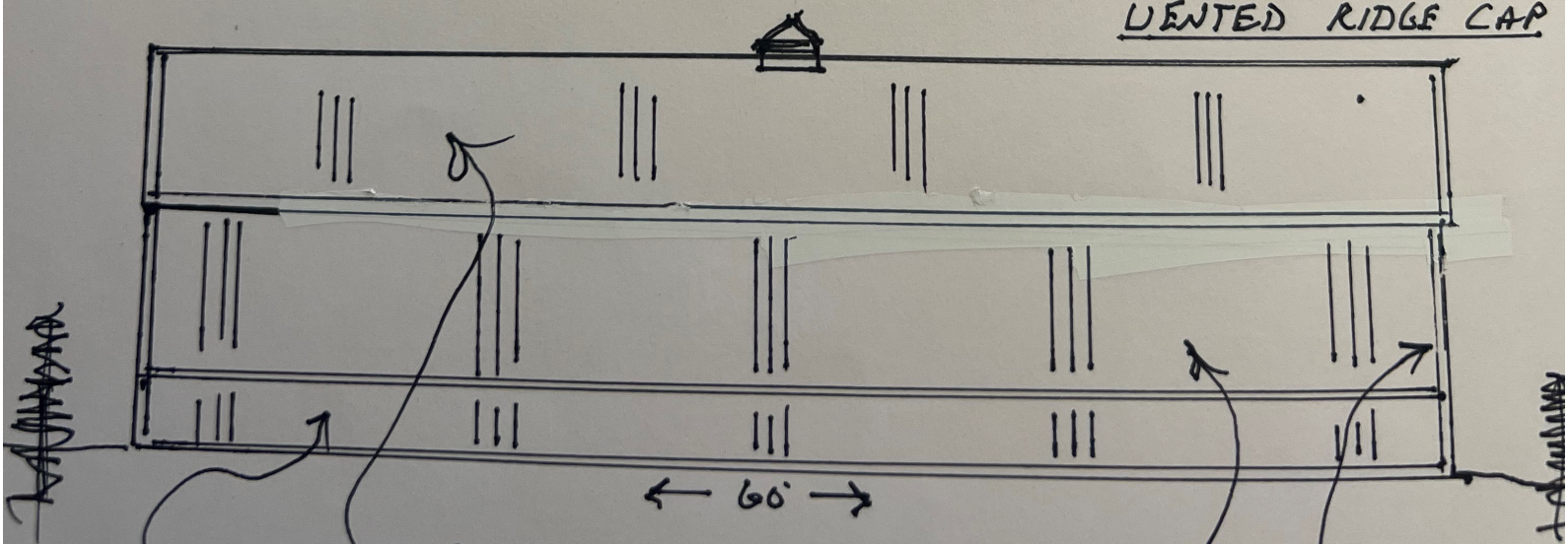
PIGS
3
SHEEP
3
GOATS
2
14'
10'
16'
20'
30'
10'
20'
DOOR
16'
TRACTOR DRIVE + WALKWAY
COWS
3
HAY
+
STRAW
+
BEDDING
FEED
+
BEDDING
TRACTORS
10'
MOWERS
+
TRACTOR
ATTACHMENTS
15'
15'
16'
DOOR
FRONT

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



VAPOR BARRIER UNDER ROOF STEEL

VENTED RIDGE CAP

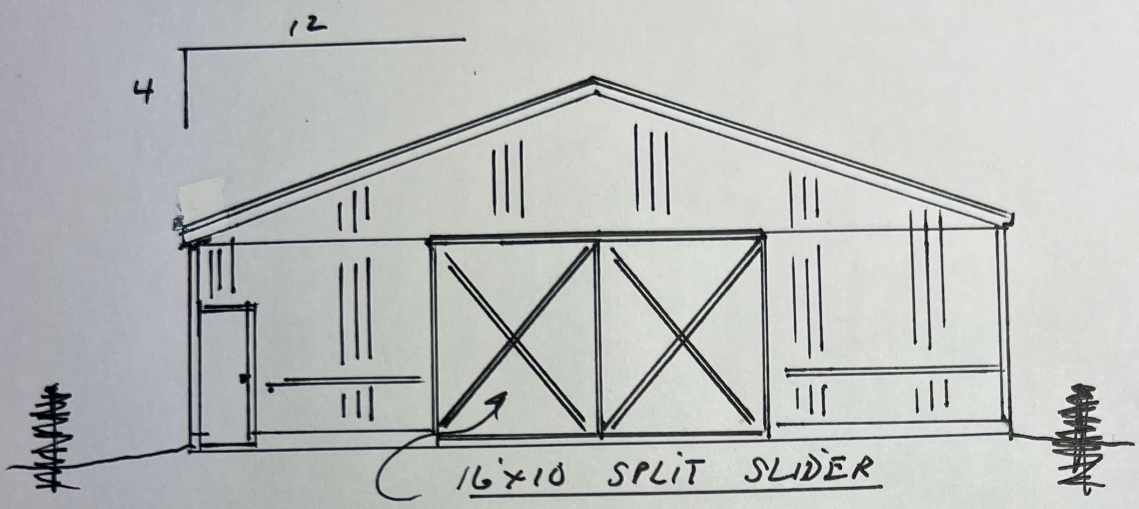


28 GA ENAMELED STEEL

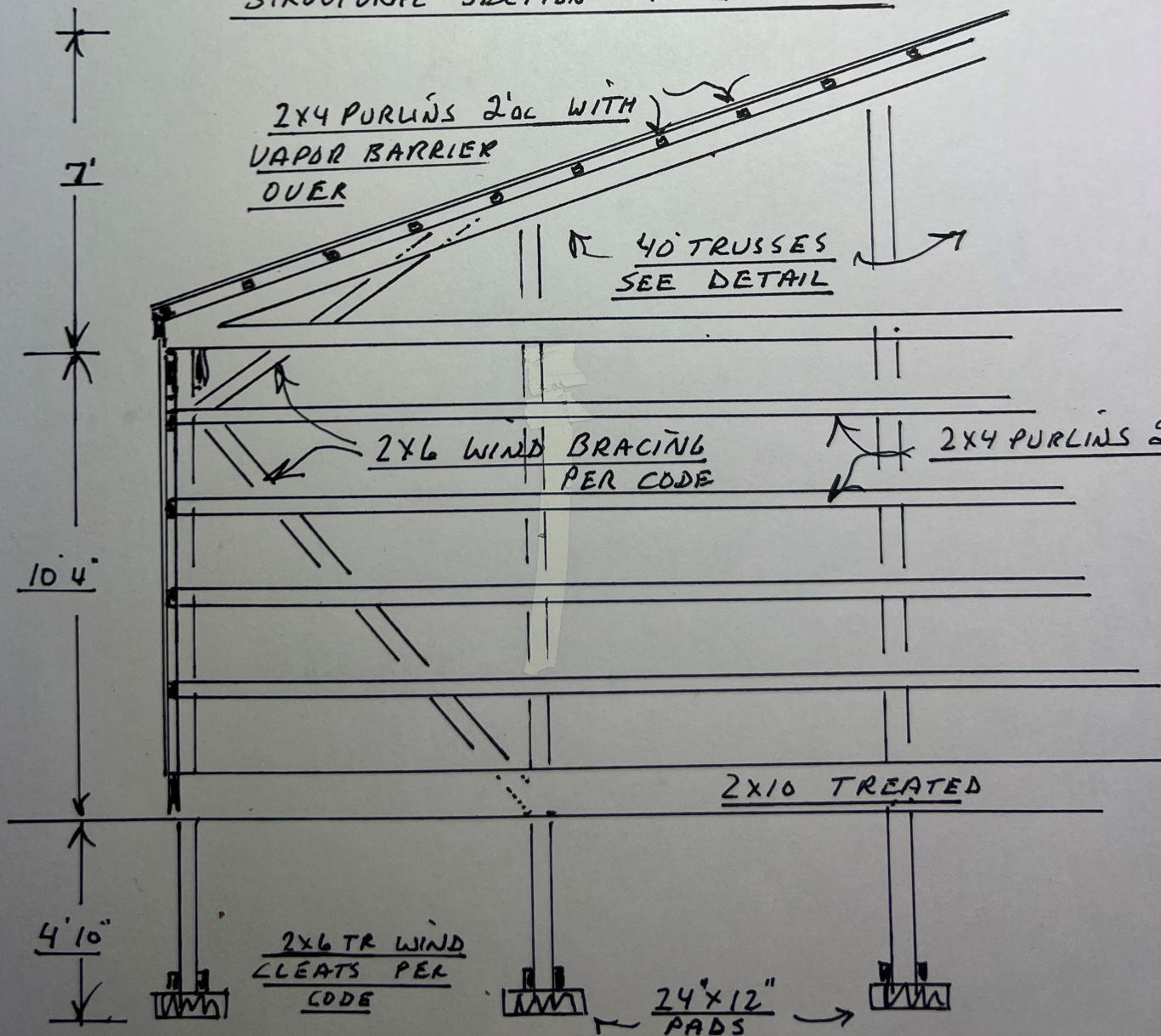
ON WAINSCOT ON ROOF ONSIDES ON TRIM

PROPOSED BARN KEVIN DAVIS

GABLE ELEVATION 1"=10 SCALE



STRUCTURAL SECTION 1"=4' SCALE



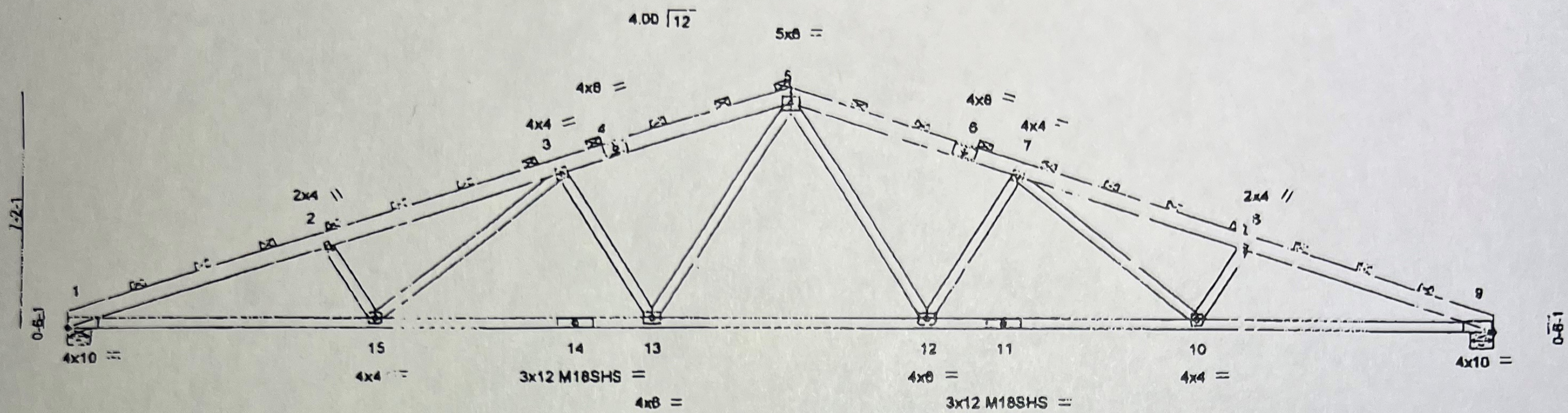
Job	Truss	Truss Type	Qty	Ply	Holmes - Swallen	
52691	T01	DBL. FINK	16	1	Job Reference (optional)	I3261748

Hostetler'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:JrJ6AlNou0j4s5lcHZDulny3oG4-sOEF4MPtyRkç ^/Fl1QttNJBF3huov0jaPfNnW0_zdgY1

7-2-8	13-7-4	20-0-0	26-4-12	32-9-8	40-0-0
7-2-8	6-4-12	6-4-12	6-4-12	6-4-12	7-2-8

Scale = 1:66.7



8-5-14	16-1-15	23-10-1	31-6-2	40-0-0
8-5-14	7-8-2	7-8-2	7-8-2	8-5-14

Plate Offsets (X,Y)-- [1:0-0-8,Edge], [9:0-0-8,Edge]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	23.1	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.46	12-13	>999	360	MT20	197/144
(Ground Snow=30.0)		Lumber DOL	1.15	BC	0.81	Vert(TL)	-0.69	12-13	>681	240	M18SHS	197/144
TCDL	5.0	Rep Stress Incr	NO	WB	0.74	Horz(TL)	0.28	9	n/a	n/a		
BCLL	0.0	Code IBC2012/TPI2007		Matrix-S							Weight: 194 lb	FT = 10%
BCDL	2.0											

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 4-9-9 oc bracing.

REACTIONS. (lb/size) 1=2368/0-8-0, 9=2368/0-8-0
Max Horz 1=-239(LC 11)
Max Uplift 1=-1132(LC 6), 9=-1132(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=-2551/5445, 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-

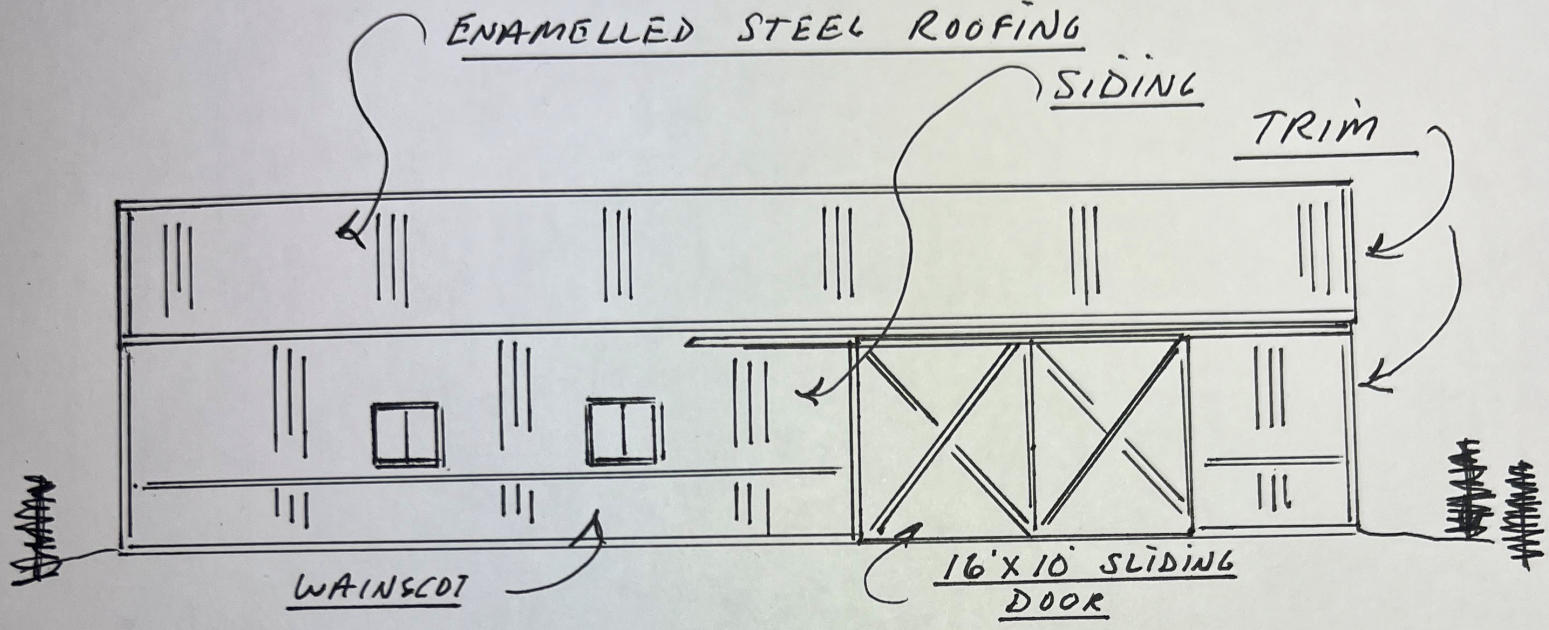
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=1.2psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-10; Pg= 30.0 psf (ground snow); Pf=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 (jt=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.

STATE OF OHIO
XUEGANG LIU
E-62539
REGISTERED
PROFESSIONAL ENGINEER

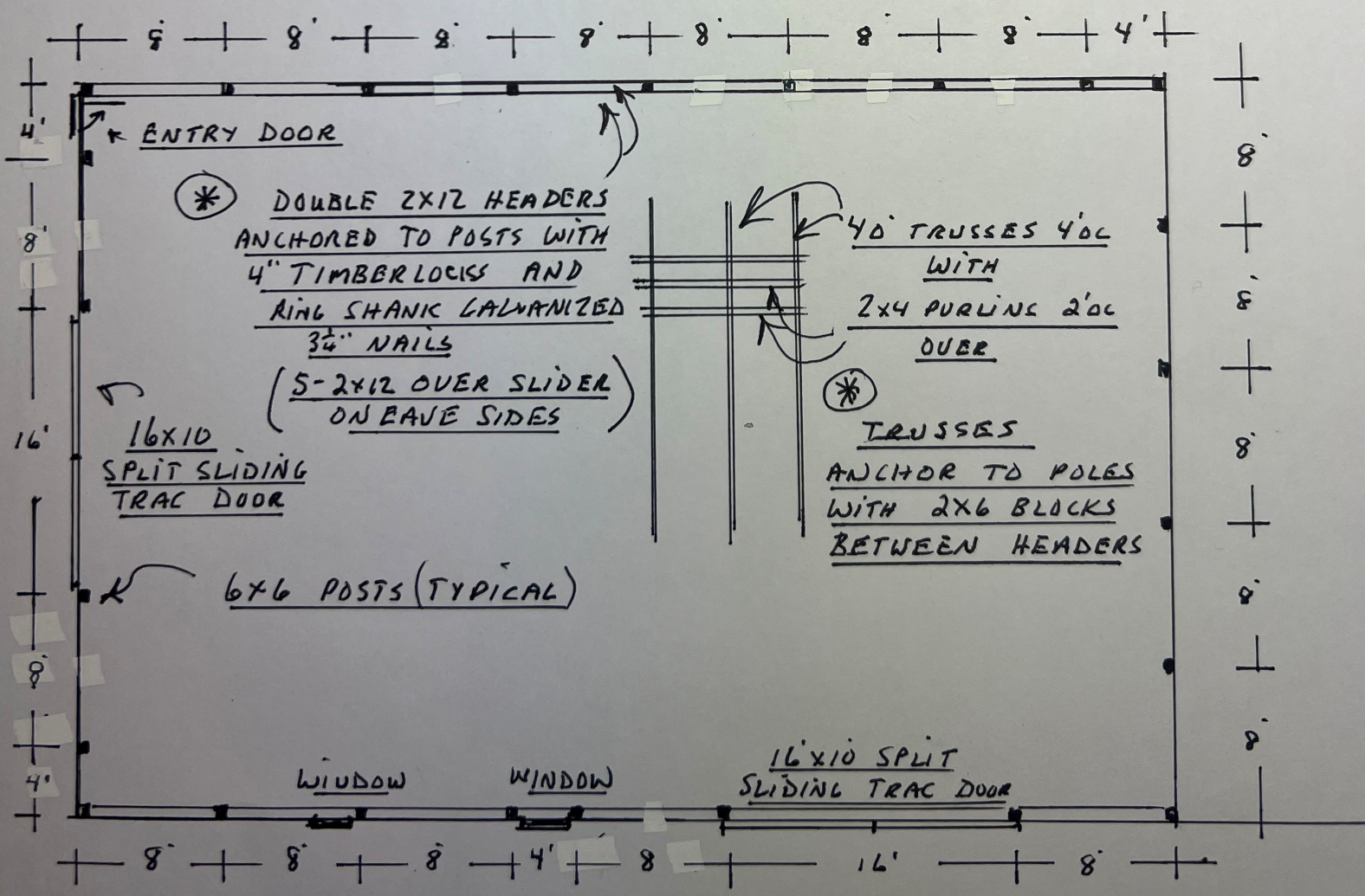
March 6,2018

KEVIN DRAVIS PROPOSED BARN

EAVE ELEVATION 1" = 10' SCALE



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



BACK

LIVESTOCK

COWS + PIGS ETC
ALSO DEPENDS ON WHAT
I AM PERMITTED
HORSES POSSIBLE IN THE
FUTURE

30'

14'

10'

16'

DOOR
16'

TRACTOR DRIVE + WALKWAY

HAY
+
STRAW
+
BEDDING

FEED
+
BEDDING

10'

16'

20'

TRACTORS

10'

MOWERS
+
TRACTOR
ATTACHMENTS

20'

15'

15'

16'

DOOR
FRONT


Tyvek
HomeWrap