



Grove City Building Division
4035 Broadway
Grove City, OH 43123
614-277-3075 (Phone)
614-277-3090 (Fax)
GroveCityOhio.gov

BOARD OF ZONING APPEALS APPLICATION

TO: Board of Zoning Appeals
4035 Broadway, Grove City, Ohio 43123
Phone: 614-277-3075 - Planning & Zoning Coordinator

Checks Made Payable To:

CITY OF GROVE CITY

Filing Fee \$100.00



Date: July 25 2024

Application information must be completed or it will be returned and not placed on an agenda until it is complete and re-submitted. One original set of plans and 13 copies (14 total sets) shall be included when submitting this application. Each set shall include this application form and any additional attachments.

The City of Grove City Building Inspector has refused to issue a:

☒ Building Permit

☐ Certificate of Occupancy

☐ Sign Permit

at the following address 6751 SR 104 Lockbourne OH 43137 Grove City, OH 43123 Parcel # 010-006276-00

as it is in violation of : Building Code No. _____ Zoning Code No. _____ Other: _____

I appeal to the Board of Zoning Appeals for a variance that will allow me to do the following:

Build A 60x40 pole BARN to store my 5th wheel
CAMPER, Tractor, Zero TURN, Mowers, Utility Trailers,
Snow plow (2400 SQ FT)
POLE BARN WILL HAVE A 16 X 24 PORCH (384 SQ FT)
VARIANCE WOULD BE WE NEED ADDITIONAL 1884 SQ FT ON TOP OF

Names, Address and Parcel numbers of all adjoining property owners (attach a separate sheet if needed):

900 SQ FT
ALLOWED

TOM BLOOMER
6851 STATE ROUTE 104
LOCKBOURNE, OH 43137
(see attached)

ERIC EIGINER
6737 STATE ROUTE 104
LOCKBOURNE, OH 43137

Are you the applicant or representative? ☒ Applicant ☐ Representative ☐ Property Owner

If you are the representative, who you are representing: Leslie Leffler 614 778-8845

Please note* As the representative for this application, all correspondence will be directed to you. If additional space is needed, an addendum may be attached.

Name of Applicant JOHN LEFFLER Company _____

Address 6751 SR 104 Lockbourne Ohio City/State/Zip 43137

Phone 614 875-8296 Fax _____ Email rexleffe@gmail.com

Signature of Applicant John Leffler

614 871-1370 (wk)



Grove City Building Division
4035 Broadway
Grove City, OH 43123
614-277-3075 (Phone)
614-277-3090 (Fax)
GroveCityOhio.gov

BOARD OF ZONING APPEALS STATEMENT OF HARDSHIP

Under Section 1133.02 of the Grove City Codified Ordinances, the Board of Zoning Appeals has the power to grant variances from the Zoning Code or Sign Code. No variance shall be granted unless the Board finds that **all** of the following facts and conditions exist:

- (1) The variance granted will not be contrary to public interest or adversely affect the health or safety of persons residing or working in the vicinity of the proposed development or be injurious to private property or public improvements in the vicinity.
- (2) Granting the variance requested will not confer on the applicant any special privilege that is denied by the Zoning Code or Sign Code to other lands or structures in the same zoning district.
- (3) A literal enforcement of the Zoning Code and Sign Code will result in unnecessary hardship by depriving the applicant of rights commonly enjoyed by other properties in the same zoning district under the terms of the Zoning Code or Sign Code.
- (4) Special conditions and circumstances exist which are peculiar to the land or structure involved, and which are not applicable to other lands or structures in the same zoning district.
- (5) The special conditions and circumstances do not result from the action of the applicant.
- (6) The variance so granted does not violate the spirit of the Zoning Code. In granting a variance, the Board may impose such requirements and/or conditions it deems necessary and are not inconsistent with substantial justice and avoiding unreasonable hardship to property owners.

I have read Section 1133.02 and believe that my application for relief satisfies each of the six criteria set forth above in the following ways (attach a separate sheet if needed):

1. 40 X 60 POLE BARN 2400 SQ FT *see attached
16 X 24 PATIO 384 SQ FT
(REQUIRE ADDITIONAL 1884 SQ FT*) (ON TOP OF 900 SQ FT ALLOWED)
2. OUR HOME IS RED BRICK FRONT W/ CHARCOAL VINYL SIDING / WHITE TRIM.
POLE BARN WILL NOT BE BRICK OR VINYL SIDING. IT WILL BE METAL
BUT THE COLORS WILL MATCH THE HOUSE. SIDING WILL BE CHARCOAL
COLOR, WHITE TRIM & DOORS, LIGHT GRAY ROOF. GUTTERS ARE ALSO WHITE
3. THE LITTLE UGLY WHITE SHED WITH RED DOOR IS COMING DOWN.
IT'S ROTTEN AND HAS HOLES IN ROOF.
4. DRIVEWAY WILL BE ASPHALT FROM POLE BARN TO EXISTING DRIVEWAY
ENTIRE DRIVEWAY WILL BE RE-DONE NEXT YEAR. EXISTING GRAVEL
CIRCULING SMALLER OUTBUILDING WILL ALSO BE PAVED. THERE WILL BE NO MORE
GRAVEL EVENTUALLY 😊

Signature of Applicant

Date: July 15, 2024



Franklin

by

6751 state rout 104 lockbourne oh



Show search results for 6751 st...

County - Franklin

Parcel County

Viewer Auditor's

040-006348

Office

040-007335

040-006836

040-007336

ERIC EGINOR 4.73 ACRES
6737 JACKSON PIKE

JOHN & LESLIE LEFFLER 4.72 ACRES
6751 JACKSON PIKE

040-006276

THOMAS BLOOMER 4.9 ACRES
6851 JACKSON PIKE

040-006739

KATHY MASLOSKI 4.98 ACRES
6951 JACKSON PIKE

040-006736

160-000338

160-002588

04/07/2010 10:00 AM

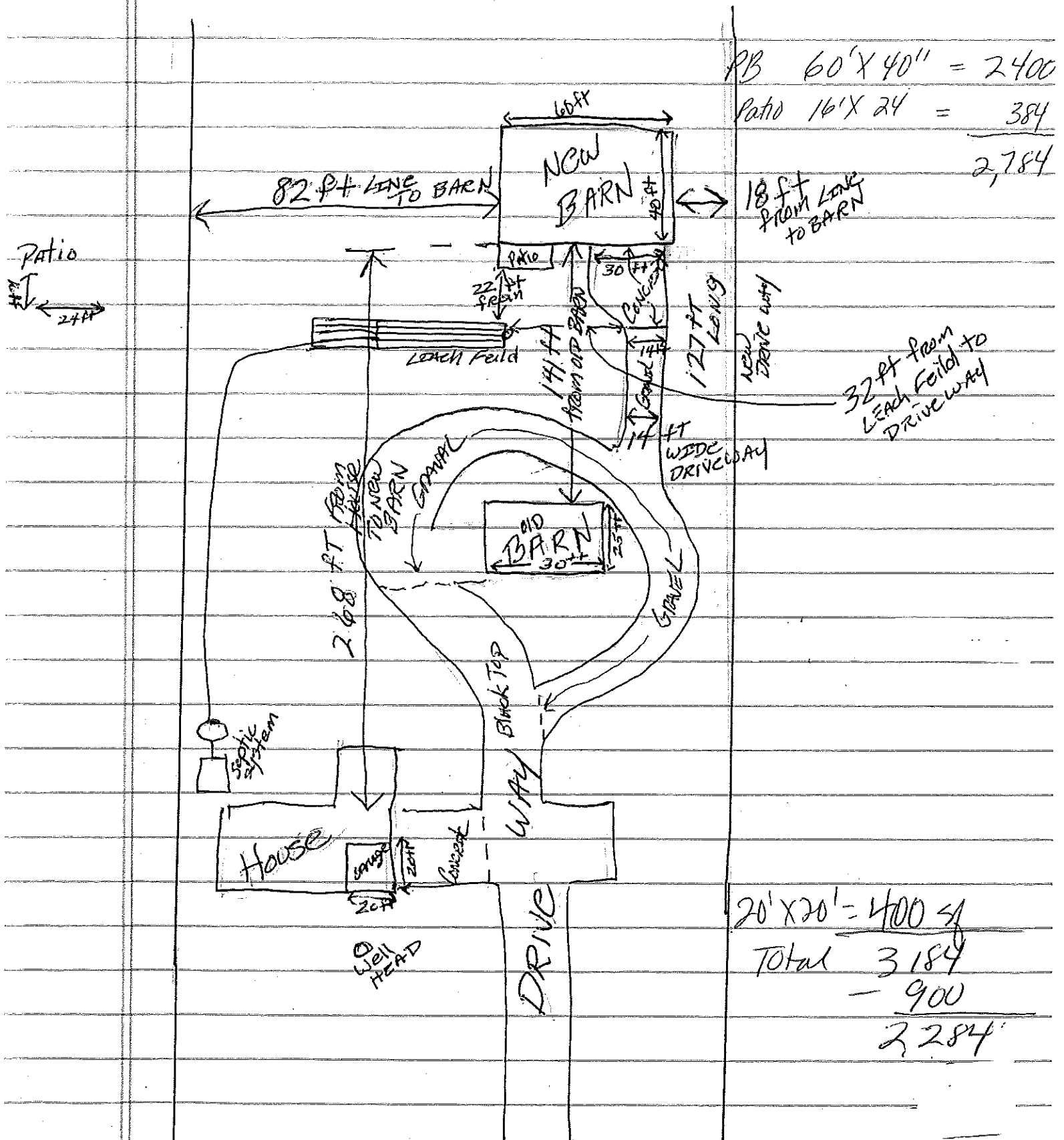
200ft



6751 JACKSON PIKE

PARCEL ID 040-006276-00

✓





The City of Grove City, Ohio
Building Division
4035 Broadway
Grove City, OH 43123
614-277-3075
GroveCityOhio.gov

NOTICE OF CORRECTIONS REQUIRED

July 15, 2024

Reference: Corrections Required for Permit Application #PR20240001565

6751 JACKSON PIKE

Dear John and Leslie Leffler:

Your plans submitted have been reviewed and due to non-compliance with the Ohio Building Code and/or other codes applicable to this project, the Building Division is unable to issue a plan approval without the additional information or corrections indicated below.

Electrical Review (Reviewed By: Justin Taylor)

No plan or scope of work provided.

Plumbing Review (Reviewed By: Justin Taylor)

No plan or scope of work provided.

Fire Alarm Review (Reviewed By: Justin Taylor)

Please provide information for fire alarm, do not think this permit is needed for a residential structure.

Zoning Review (Reviewed By: Justin Taylor)

1. Building exceeds 900sqft max allowed for all garage space in residential zoning districts.

1135.10 RESIDENTIAL DISTRICT REQUIREMENTS.

In all single-family residentially zoned districts, unless specified in an approved zoning text or approved development text, the maximum size of a detached garage shall be 700 square feet outside dimensions. The maximum size of an attached garage shall be 900 square feet outside dimensions. The overall maximum amount of garage space shall be 900 square feet.

2. Building does not have same exterior finish as main building(house).

1135.10 RESIDENTIAL DISTRICT REQUIREMENTS.

In SF-1, SF-2, SF-3, R-1, R-1b and R-2, and D-1 and D-2 Districts, driveways and parking spaces shall be paved with asphalt or Portland cement concrete. All attached garages shall be constructed of the same material and have the same exterior finish as the building to which they are attached. Detached garages shall be of frame or masonry construction and they shall have the same exterior finish and be of the same color as the main building located in and on the same lot unless otherwise approved by the Planning Commission.

3. The wall and roof height exceed the max allowed for a residential garage.

1137.08 PRIVATE GARAGES IN RESIDENTIAL DISTRICTS; PERMIT AND FEE FOR PORTABLE ACCESSORY BUILDINGS.

Variance Details for 6751 S.R. 104/Jackson Pike (Parcel # 040-006276) Zoned R-1b by LS

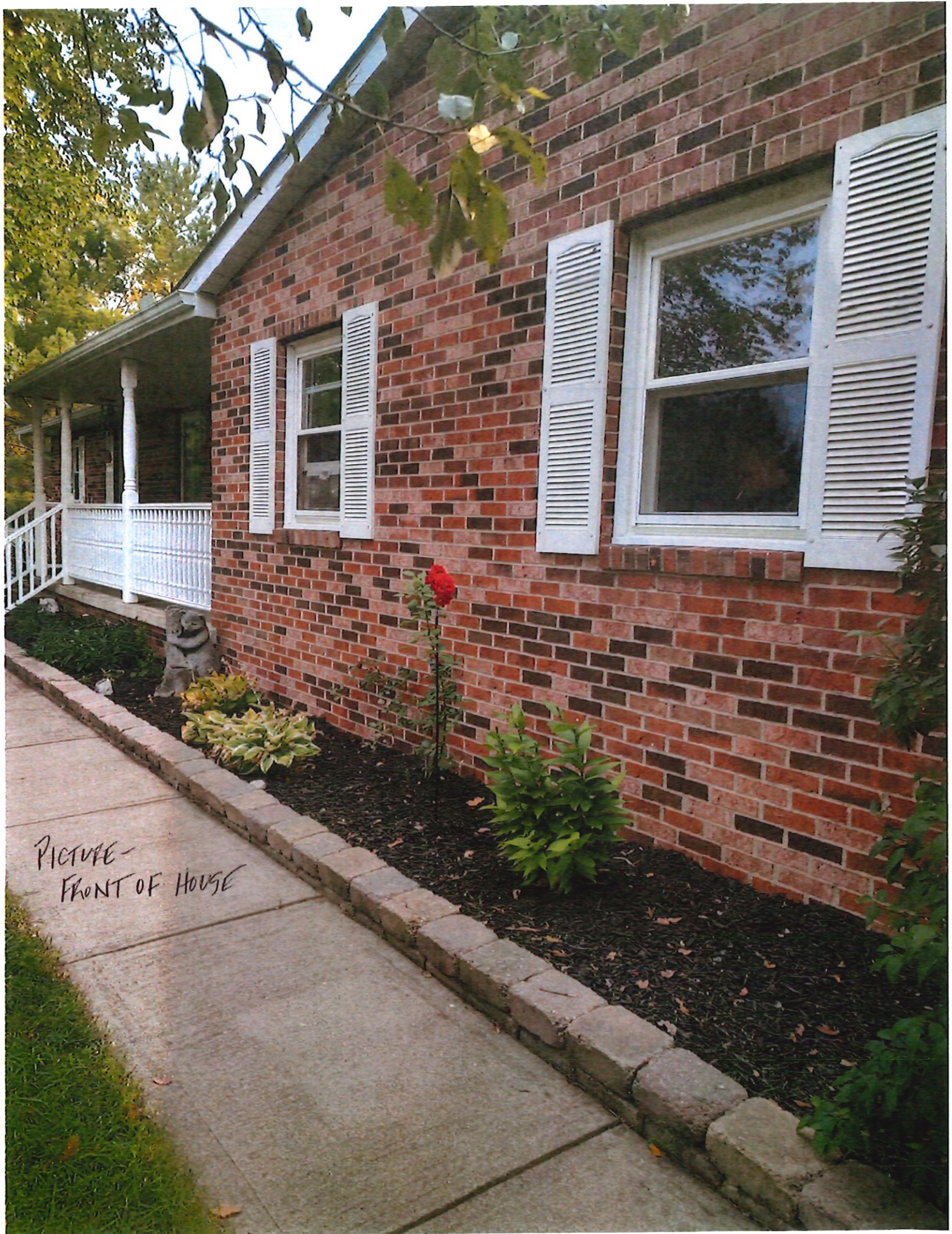
20' X 20' attached garage	400sf
Proposed pole barn 40' X 60' with 16' X 24' covered patio	<u>2784sf</u>
Total garage space proposed	3184sf
Less maximum allowed	<u>- 900sf</u>
Exceeds allowable amount	2284 sf

Variances needed:

- 1) Section 1135.10 (a): To exceed the maximum garage space of 900sf by 2,284 for a total garage space of 3,184sf.
- 2) Section 1135.10: To construct a metal pole barn not matching the same materials on the main building/the residence.
- 3) Section 1137.08: To exceed a maximum wall height of 8', by 8'-5" for a total wall height of 16'-5" on an accessory structure.
- 4) Section 1137.08: To exceed a maximum overall height of 13' by 11' for a total overall height of 24' on an accessory structure.
- 5) Section 1137.11: To allow a section of gravel to remain between the house and the new barn for a period of 1 year.

PICTURE-FRONT OF HOUSE





PICTURE-
FRONT OF HOUSE

PICTURE OF BACK OF HOUSE



PICTURE-SIDE OF HOUSE



PICTURE - EXISTING SMALL BARN



PICTURE-BOTTOM SHED THAT WILL BE TORN DOWN



PICTURE OF BACK ACREAGE



PICTURE - TOM'S TREELINE



PICTURES - STAKE'S FOR POLE BARN AND ERIC'S TREELINE



PICTURE- POLE BARN GOING IN FRONT OF TREELINE



PICTURE - ERIC'S TREE LINE - STAKES FOR
POLEBARN SITE



PICTURE - STAKES SHOW POLEBARN SITE & ERIC'S TREELINE



PICTURE WHERE DRIVEWAY
WILL EXTEND TO
EXISTING DRIVEWAY



040-006276-00
LESLIE

Map Routing: 040-0036E -056-32
6751 JACKSON PI



2023 Esri

Parcel ID: 040-006276-00
LEFFLER LESLIE

Map Routing: 040-0036E -056-32
6751 JACKSON PI





AUDITOR OFFICE

SEARCH

ONLINE TOOLS

REFERENCE

CONTACT MICHAEL

Parcel ID: 040-006276-00
LEFFLER LESLIE

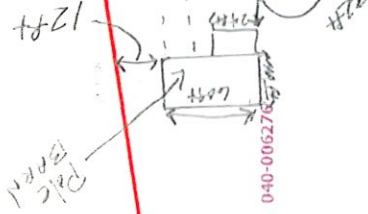
- Summary
- Land Profile
- Residential
- Commercial
- Improvements
- Permits
- Sketch
- Photo
- StreetSmart
- Aerial Photos
- Transfers
- BOR Status
- CAUV Status
- Tax & Payments
- Tax Distribution
- Tax Calculators
- Value History
- Rental Contact
- Incentive Details
- Quick Links



High St & Mound St, Columbu



040-006276-00



040-006276-00

6751



040-006276-00

Leffler, Alexandria

From: Leffler, Leslie
Sent: Monday, June 24, 2024 12:03 PM
To: Leffler, Alexandria
Subject: FW: [EXTERNAL EMAIL] MQS drawings
Attachments: Leffler, John Engineered Drawings.pdf; mii7473.PDF; I62807564.40-4'OC-OH.PDF; I63359864.40-HGDT-OH.PDF; MitekI62807553-OH-CV.PDF

Could you please do me a favor and print this email and all the attachments?

Leslie Leffler
Senior AR Accounting Specialist

TOSOH AMERICA, INC.
The Chemistry of Innovation

3600 Gantz Road, Grove City, Ohio 43123-1895
Direct: +1 (614) 277 4282 Fax: +1 (614) 539 8722
www.tosohamerica.com

From: b.chupp@mqstructures.com <b.chupp@mqstructures.com>
Sent: Monday, June 24, 2024 12:01 PM
To: Leffler, Leslie <Leslie.Leffler@tosoh.com>
Subject: [EXTERNAL EMAIL] MQS drawings

Hi Leslie,

Here are the engineered drawings and truss drawings for your building. The last 4 attachments make up one truss drawing. Let me know if you have any questions.

Thanks,
Brad Chupp
2843 Lifer Lane SW
Lancaster, OH 43130
Cell Phone: (614) 381-2012
Toll Free Number: (855) MQS-3334
b.chupp@mqstructures.com
www.mqsstructures.com



STRUCTURES, LLC

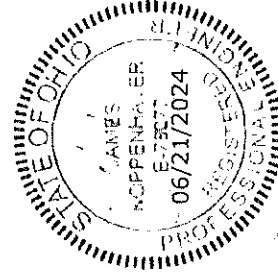
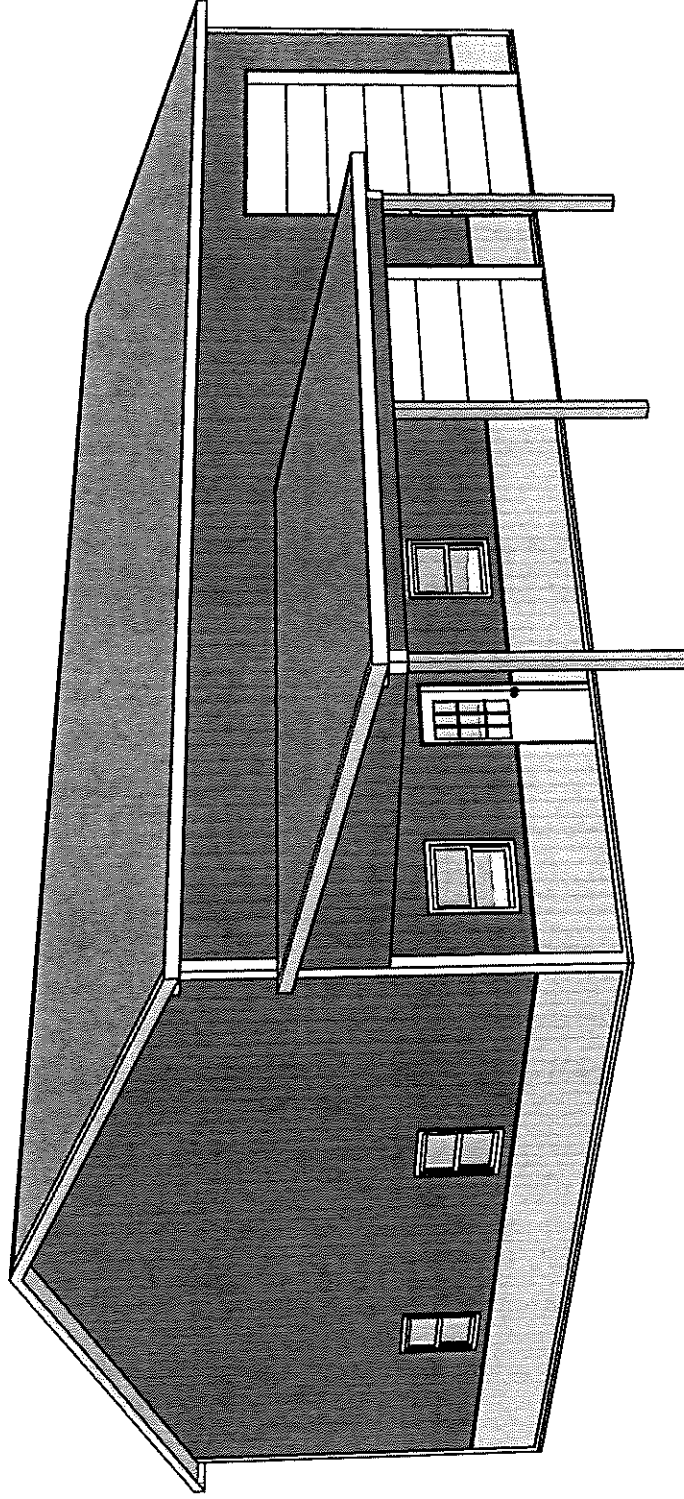
Specializing in post frame buildings

The highest compliment I can receive...
...is a referral from you

Leffler, John

40x60x16 Post Frame Building with 16x24 Open Lean-to

Building Colors: Buckeye Steel
Siding: Charcoal
Trim: Pure White
Roof: Light Gray
Wainscoting: Light Gray
Doors: White
Misc. Details:
Single Bubble Ins. on Roof
House Wrap on Sides
Liner Panel on Ceiling
Gutter (White) w Downspouts



EXPIRATION DATE:
12/31/2025

Cover Sheet

May 29, 2024

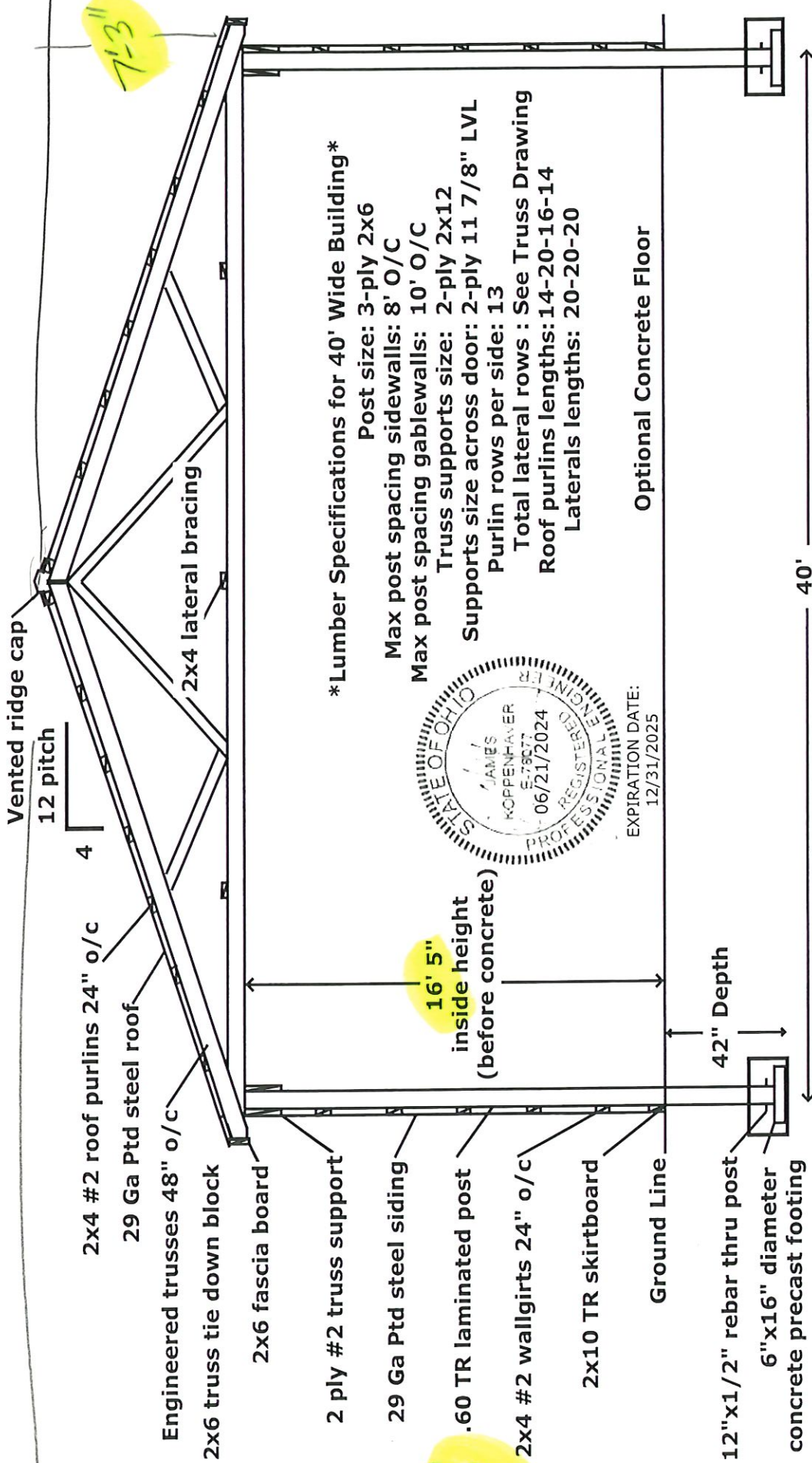
No Scale



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



Typical Wall Section

Typical Framing View

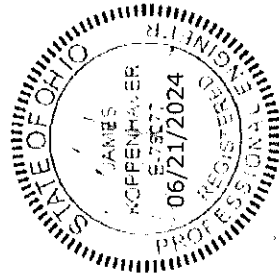
No Scale



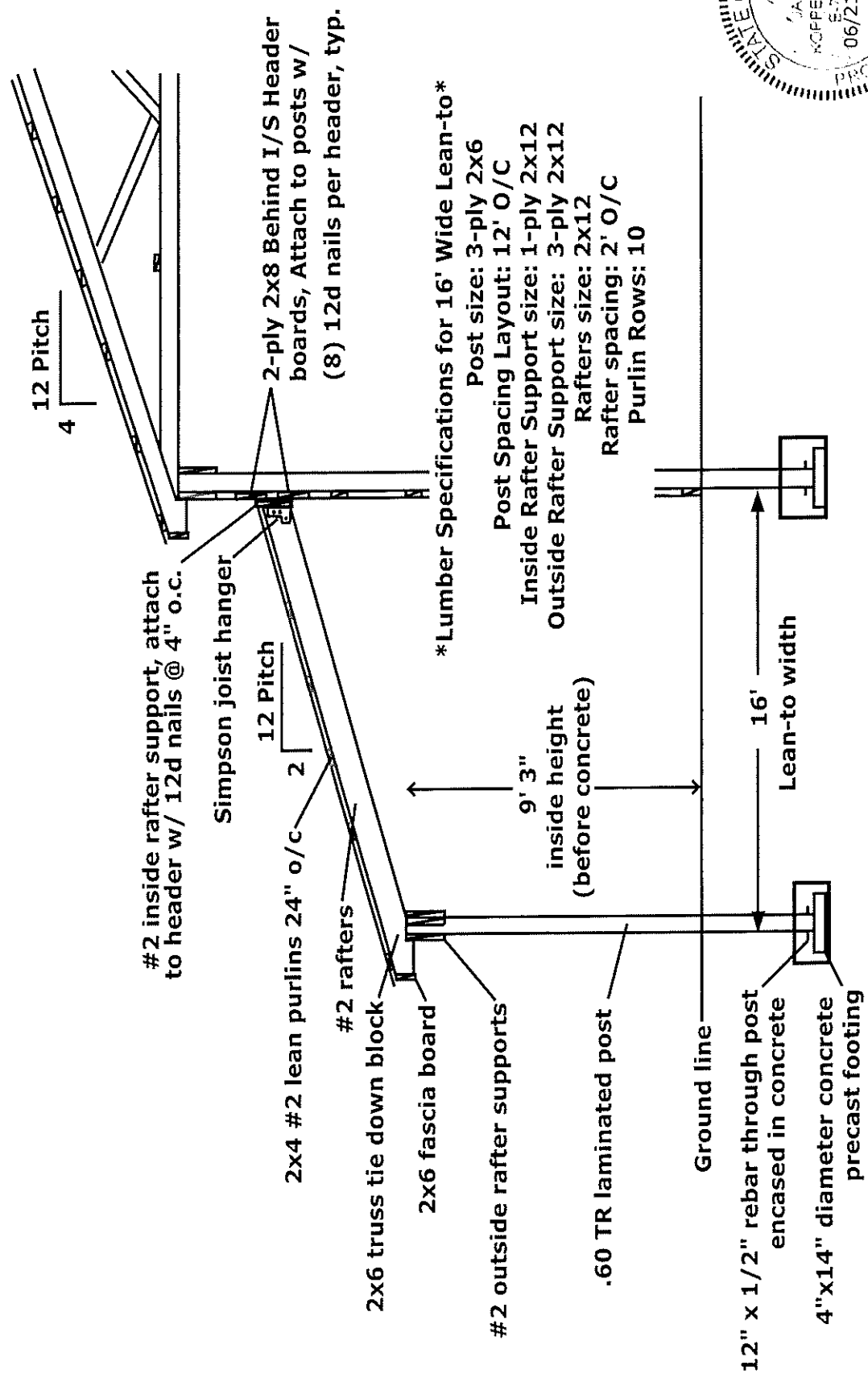
Job Name: Leffler, John

Site Address: 6751 State Route 104
 Lockbourne, OH

MQS Structures, LLC
 2843 Lifer Lane SW
 Lancaster, OH 43130



EXPIRATION DATE:
12/31/2025



Typical Lean-to Section

Lean-to Framing View

No Scale

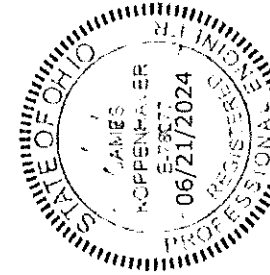
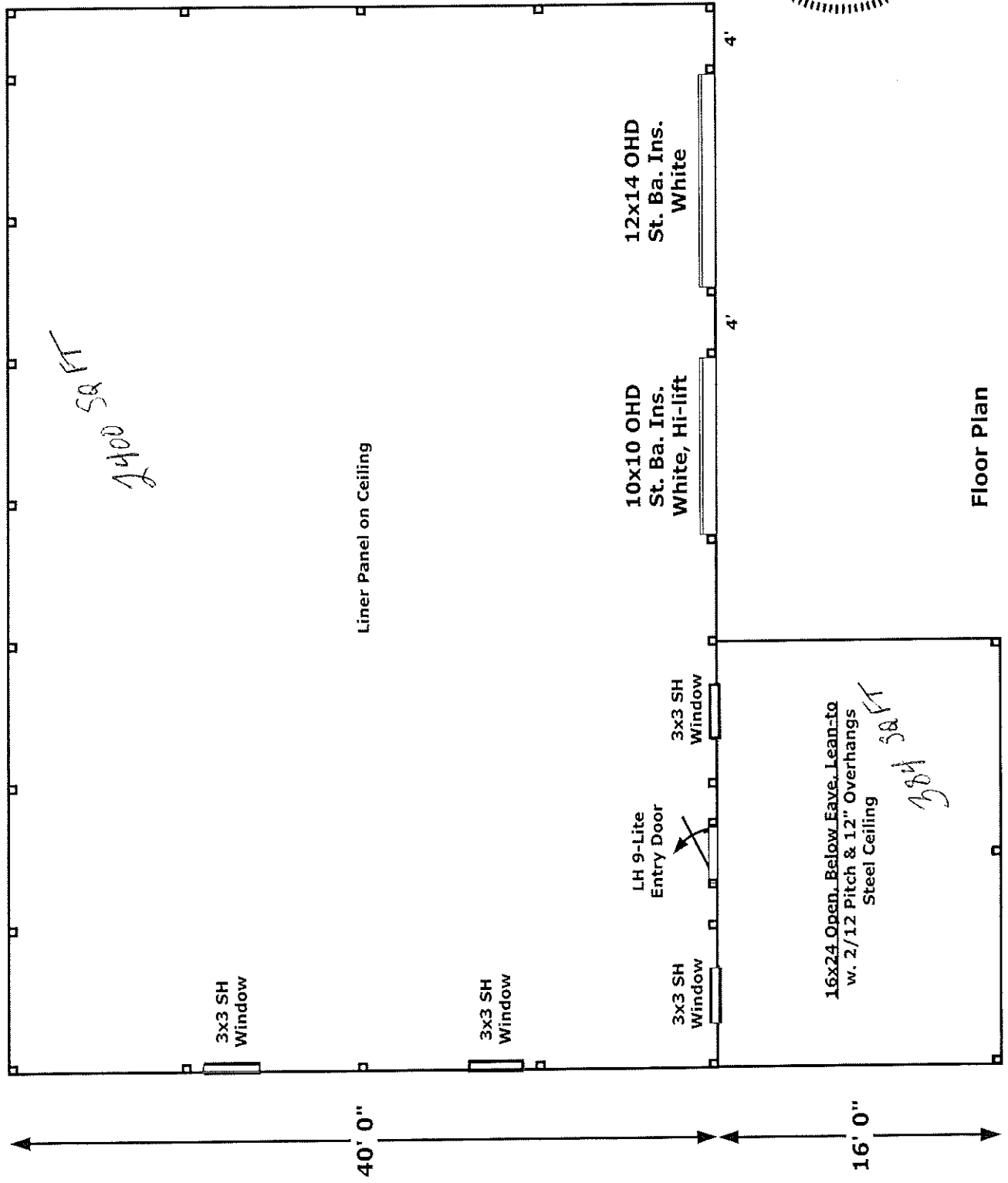


Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130

60' 0"



EXPIRATION DATE:
12/31/2025

Floor Plan
1/8" = 1' Scale



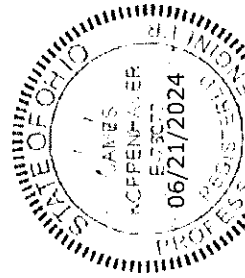
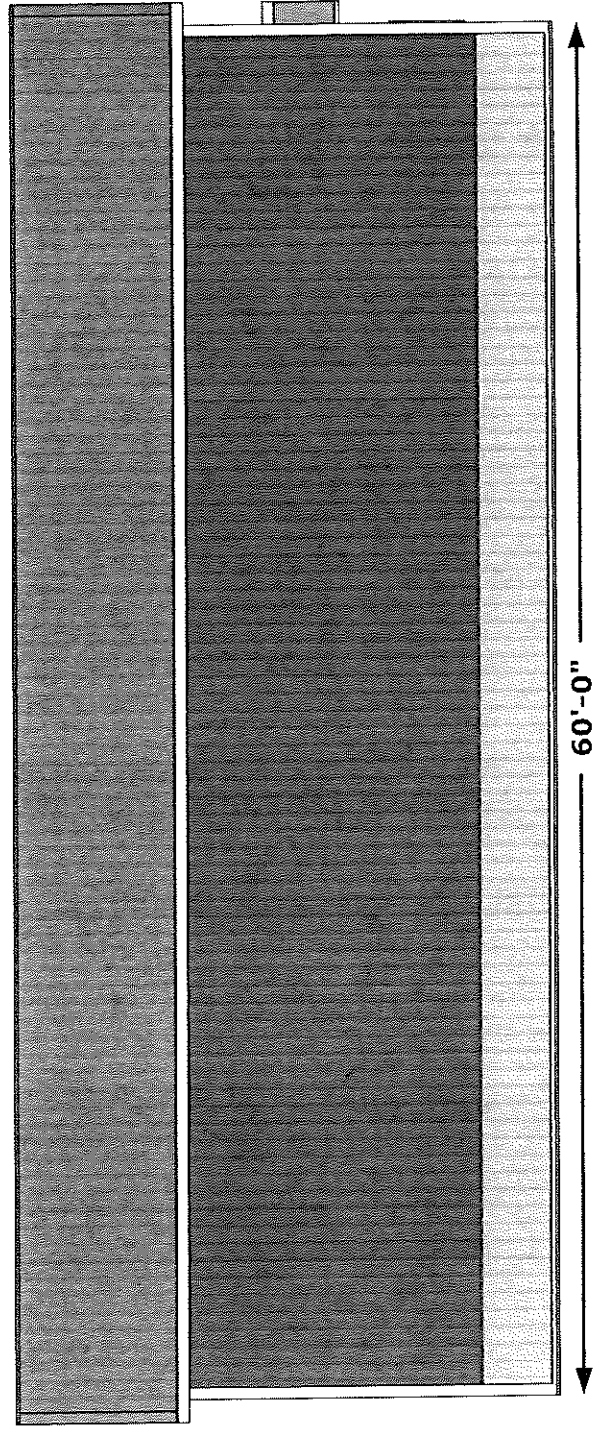
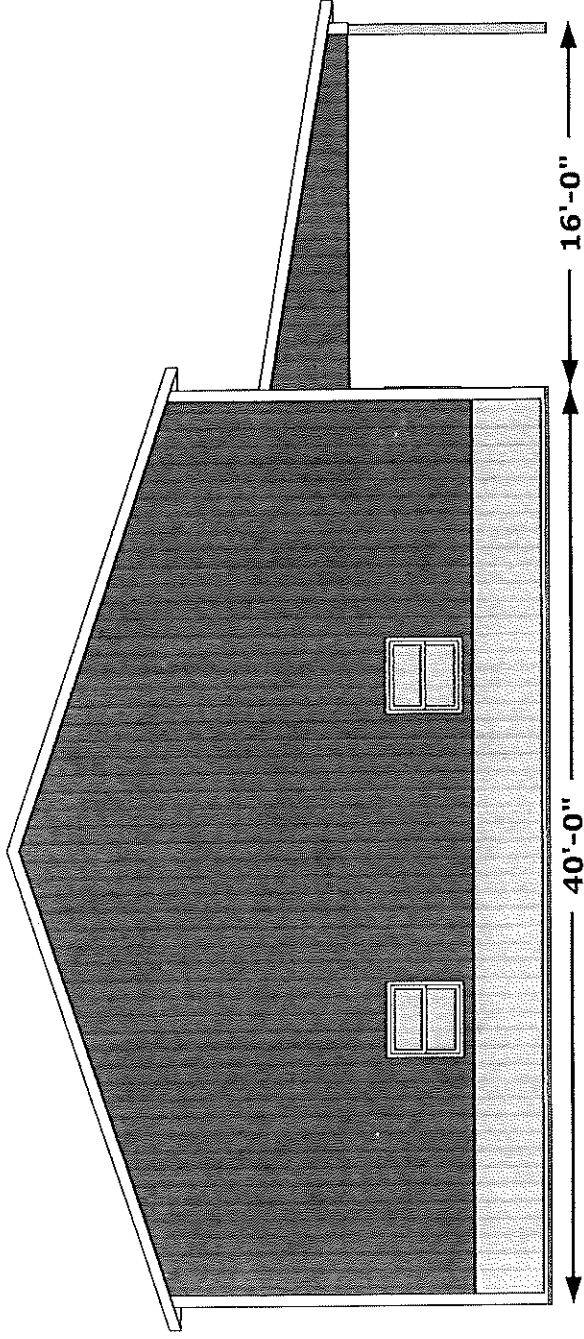
Job Name:
Leffler, John

Site Address:
6751 State Route 104
Lockbourne, OH

1/8" = 1' Scale

Elevation Views

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



EXPIRATION DATE:
12/31/2025



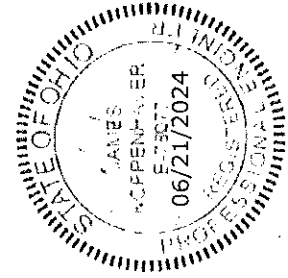
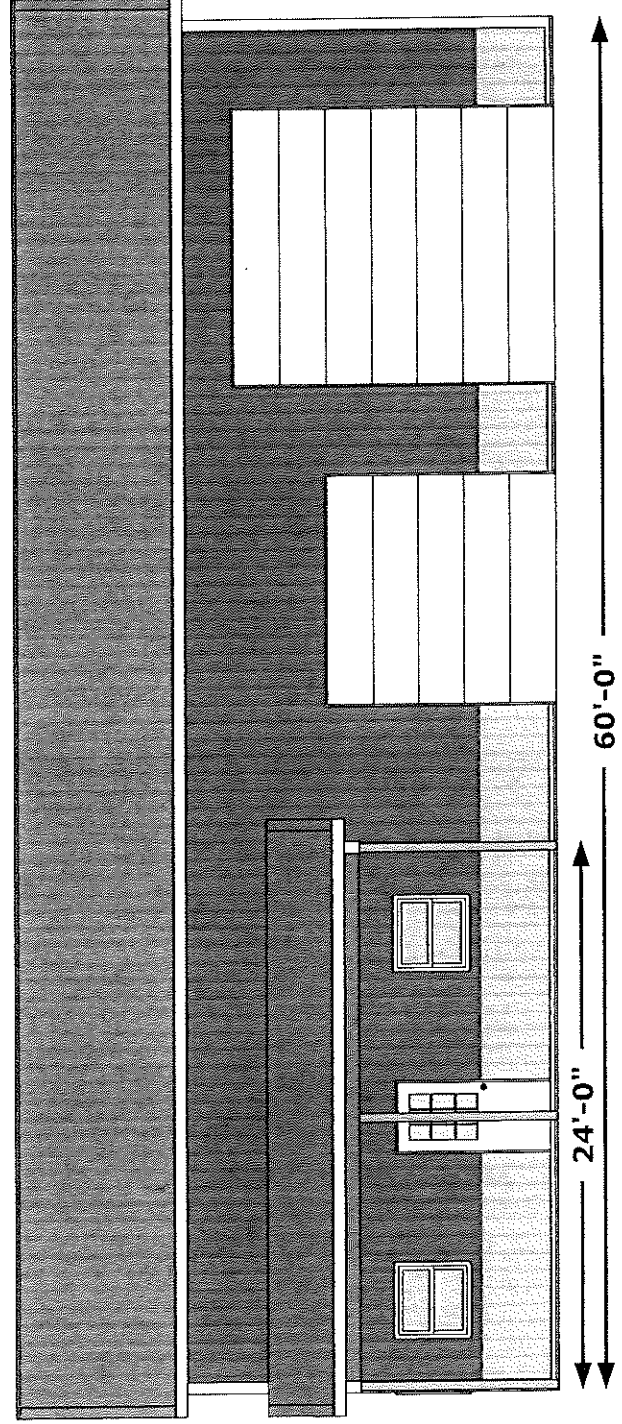
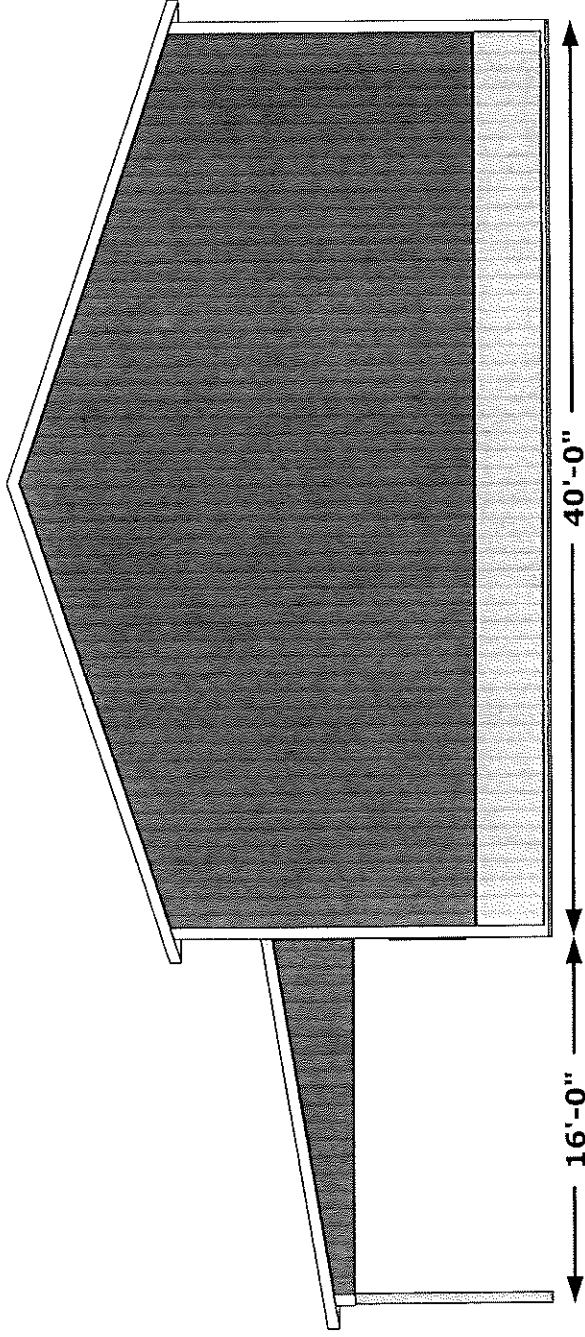
Job Name:
Leffler, John

Site Address:
6751 State Route 104
Lockbourne, OH

1/8" = 1' Scale

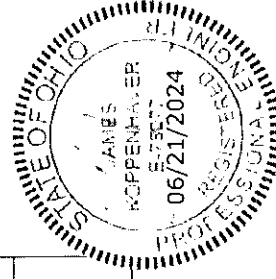
Elevation Views

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



EXPIRATION DATE:
12/31/2025

NAILING SCHEDULE	
2X8 0.14 CA-B TREATED	(8) 12D DOUBLE HOT-DIPPED GALVANIZED NAIL
PURLINS AND GIRTS 2X4 #1/#2 SPF	(6) 12D SMOOTH NAILS PER POST (6) 12D SMOOTH NAILS AT SPLICE
(2) 2X12 HEADERS TO POST (POST TREATMENT: ONLY BOTTOM 6'-0")	(6) 5/16" X 4" GRK SCREWS PER HEADER PER SIDE (12 SCREWS TOTAL) *NOTCH POST FOR TRUSS @ ALL TRUSS TO POST CONNECTIONS.
(2) 1.75"X11.875" LVL HEADERS TO POST (10' & 12' OHD) (POST TREATMENT: ONLY BOTTOM 6'-0")	(10) 5/16" X 4" GRK SCREWS PER HEADER (20 SCREWS TOTAL)
(3) 2X12 HEADERS TO POST (LEAN-TO OUTSIDE) (POST TREATMENT: ONLY BOTTOM 6'-0")	(4) 5/16" X 4" GRK SCREWS PER HEADER (12 SCREWS TOTAL)
TIE DOWN BLOCK OR TIMBER TO TRUSS HEEL	(6) 12D SMOOTH NAILS MIN.
TRUSS CARRIER TO TIE DOWN BLOCK	(4) 12D SMOOTH NAILS (TYP.) PER HEADER PER SIDE
*ADD BEARING BLOCKS WHERE REQUIRED FOR ADEQUATE FASTENER SPACING *ALL CONNECTION PER IRC TABLE R602.3(1) *ALL CONNECTIONS INTO TREATED LUMBER MUST BE GALVANIZED-COATED OR STAINLESS-STEEL 304 / 316	



EXPIRATION DATE:
12/31/2025



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130

STRUCTURAL DESIGN LOAD:

1. THIS STRUCTURE IS AN ENGINEERED DESIGN IN ACCORDANCE WITH 2019 RESIDENTIAL CODE OF OHIO.
2. THIS STRUCTURE IS DESIGNED USING THE ALLOWABLE STRESS DESIGN METHOD AND APPLICABLE LOAD COMBINATIONS
3. GROUND SNOW LOAD = 25 PSF
4. WIND LOAD = 115 MPH @ 3 SEC.
5. EARTHQUAKE LOAD:

SEISMIC CATEGORY A

THE WIND DESIGN PRODUCES GREATER EFFECTS ON THIS PROJECT, THEREFORE WIND DESIGN GOVERNS

6. FLOOD LOADS:
THE PROJECT IS NOT WITHIN A FLOOD HAZARD AREA

7. ROOF LOADS:

TOTAL ROOF LOAD: 30 PSF

8. TRUSS LOADS:

TOP CHORD LIVE 20 PSF
TOP CHORD DEAD 5 PSF
BOTTOM CHORD LIVE 0 PSF
BOTTOM CHORD DEAD 5 PSF

WOOD TRUSSES:

1. TRUSSES ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION AND THE TRUSS PLATE INSTITUTE'S "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES"
2. TRUSS WEB CONFIGURATIONS, PLATE SIZES, CHORD SIZES, AND LATERAL BRACING SHALL BE DESIGNED BY A OH LICENSED PROFESSIONAL ENGINEER.
3. TRUSSES SHALL BE DESIGNED FOR THE LOADING, SPACING, AND GEOMETRY SHOWN ON THE PLAN.
4. INSTALL BRACING IN ACCORDANCE WITH THE MANUFACTURER'S DESIGN.
5. REQUIREMENTS FOR LATERAL FORCE RESISTING AND THE DESIGN OF WOOD SHEAR WALLS TO RESIST WIND AND SEISMIC LOADS ARE IN ACCORDANCE WITH 2019 RESIDENTIAL CODE OF OHIO.
6. THE TRUSSES SHALL RESIST HORIZONTAL FORCES FROM SHEAR WALLS.

LUMBER:

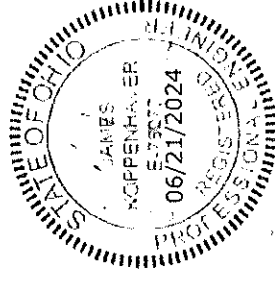
1. ALL LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN SOCIETY OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION".
2. ALL LUMBER SHALL BE #2 OR BETTER FOR LOAD SUPPORTING IDENTIFIED BY THE GRADE MARKS AND COMPLYING WITH DOC PS 20.
3. SIZING, THICKNESS, BEARING, SPANS, GRADE, CONNECTIONS, AND PROTECTION ARE IN ACCORDANCE WITH 2019 RESIDENTIAL CODE OF OHIO.

FOOTINGS:

1. BOTTOM OF BUILDING FOOTINGS SHALL BE MINIMUM 3'-6" BELOW FINISHED GRADE.
2. ASSUMED ALLOWABLE NET SOIL BEARING OF 2,000 PSF.
3. SUBGRADE SHALL BE COMPACTED USING INDUSTRY ACCEPTABLE COMPACTING TECHNIQUES, TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM - D698 AND AT +2 PERCENT OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM - D1557.
4. SUBGRADE SHALL BE COMPOSED OF NATURAL SOIL AND GRADED ROCK FREE OF WOOD, GRASS, ROOTS, BROKEN CONCRETE, LARGE STONES, TRASH, OR DEBRIS OF ANY KIND.
5. SUBBASE FOR CONCRETE SLAB SHALL BE 4" OF CRUSHED STONE BACKFILL IN ACCORDANCE WITH ASTM D 2940.

GENERAL NOTES:

1. CONCENTRATED LOADS SHALL NOT BE ATTACHED TO THE ROOF TRUSSES WITHOUT PRIOR REVIEW AND WRITTEN APPROVAL OF THE BUILDING DESIGN PROFESSIONAL.
2. CONTRACTOR MUST VERIFY COMPLIANCE WITH ALL LOCAL BUILDING CODES IN THE MUNICIPALITY WHERE THE BUILDING IS TO BE CONSTRUCTED AND FOLLOW ALL MANUFACTURER AND CODE REGULATIONS FOR INSTALLATION AND FASTENING OF ALL MATERIALS.
3. CONTRACTOR TO LOCATE AND PROTECT ANY UTILITIES IN CONFLICT WITH THIS PLAN.
4. CONTRACTOR SHALL INSTALL TRUSSES AND PERMANENT TRUSS BRACING IN ACCORDANCE WITH BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) AND IN ACCORDANCE WITH THE TRUSS DESIGN DRAWINGS. TRUSS DESIGN DRAWINGS SHALL BE PROVIDED BY THE TRUSS MANUFACTURER.
5. THIS PROJECT WILL NOT INCLUDE ELECTRICAL OR MECHANICAL WORK OR INTERIOR FINISHES.
6. AREA OF FLOOR USED FOR PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY.



EXPIRATION DATE:
12/31/2025



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130

PURLIN TO TRUSS CONNECTION
(6) 12D NAILS. (6) FOR SPLICED
PURLINS

TRUSS TO TIE-DOWN BLOCK
CONNECTION (8) 12d NAILS

HEADER TO TIE-DOWN BLOCK
CONNECTION (4) 12d NAILS
(TYP.) PER HEADER PER SIDE

-NOTCH POST FOR TRUSS @ ALL TRUSS TO
POST CONNECTIONS.

-TRUSS TO POST CONNECTION
(8) 12d NAILS (SIDE NAILED)

WOOD HEADERS. SEE NAILING
SCHEDULE FOR CONNECTION
REQUIREMENTS

PRESSURE TREATED WOOD POST
SEE WALL SECTION FOR SIZE

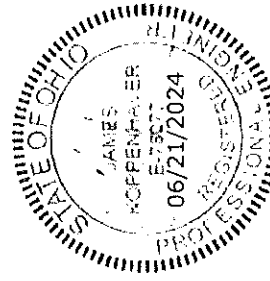
2X4 WOOD GIRTS TO POST
CONNECTION

(6) 12d NAILS (SAME FOR
SPLICED CONNECTION)

WALL BRACING
REQUIREMENTS:
2# GA. STRUCTURAL
STEEL PANELS INSTALLED
TO EXTERIOR WALL
PURLINS WITH SCREWS.

FRAMING SECTION (EVE WALL)

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



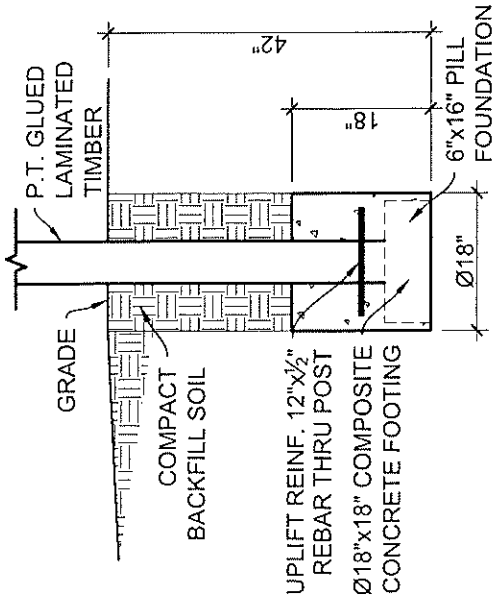
EXPIRATION DATE:
12/31/2025



Job Name: Leffler, John

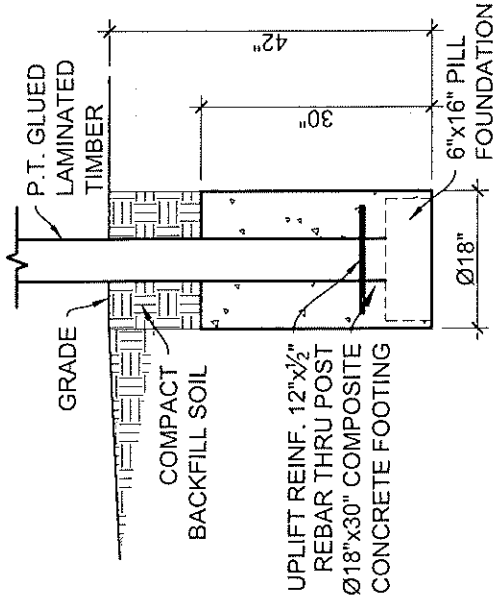
Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



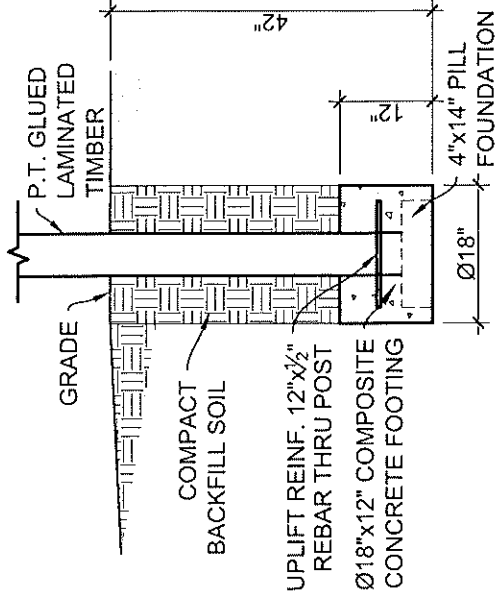
FOUNDATION DETAIL, TYP.

SCALE: 1/2" = 1'-0"



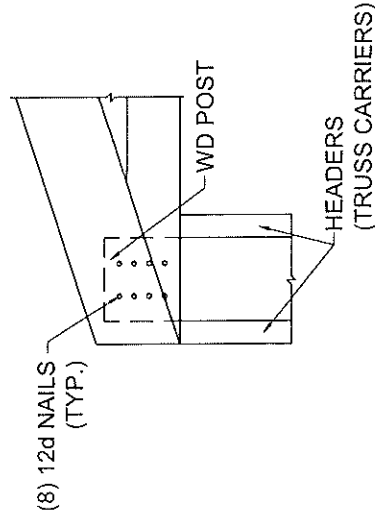
**FOUNDATION DETAIL,
LEAN-TO INSIDE**

SCALE: 1/2" = 1'-0"



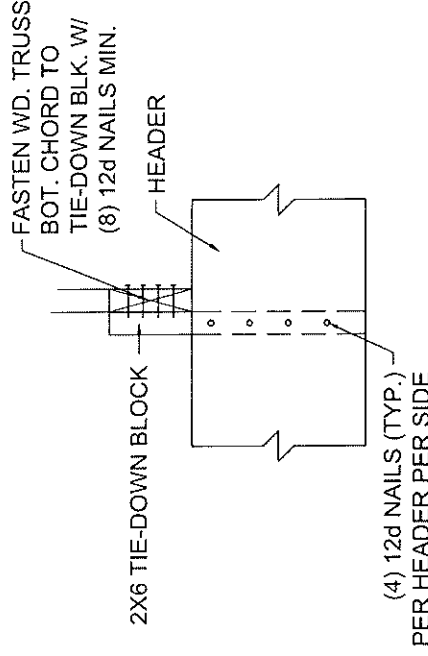
**FOUNDATION DETAIL,
LEAN-TO OUTSIDE**

SCALE: 1/2" = 1'-0"



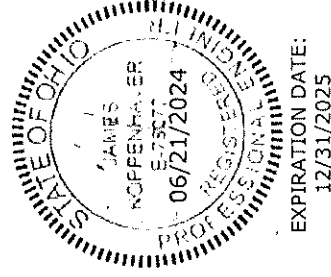
TYP. TRUSS TO POST

SCALE: 1" = 1'-0"



TYP. HEADER TO TIE-DOWN BLOCK

SCALE: 1" = 1'-0"



EXPIRATION DATE:
12/31/2025



Job Name: Leffler, John

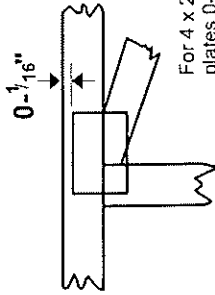
Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16\" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.



* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

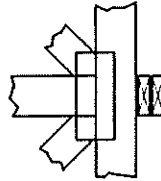
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

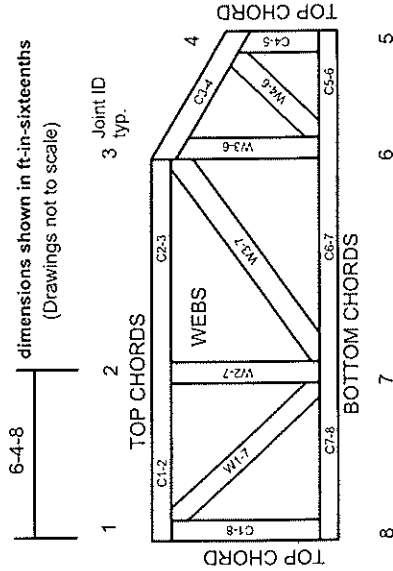
BEARING



Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

© 2023 MiTek® All Rights Reserved

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor 1 bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

Job	Truss	Truss Type	Qty	Ply	Stock Trusses	162807564
STOCKS	40-4'OC	DBL. FINK	1	1	Job Reference (optional)	

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

8.630 s Aug 30 2023 MiTek Industries, Inc. Tue Jan 2 11:12:19 2024 Page 1

ID:sv7R8NE3dHuH0gslsK7NQkzgbCY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWwCD6i7J4zJC?F

-0-10-8 7-3-8 13-7-4 20-0-0 26-4-12 32-8-8 40-0-0 49-10-8
0-10-8 7-3-8 6-3-12 6-4-12 6-4-12 6-3-12 7-3-8 0-10-8

Scale = 1.676

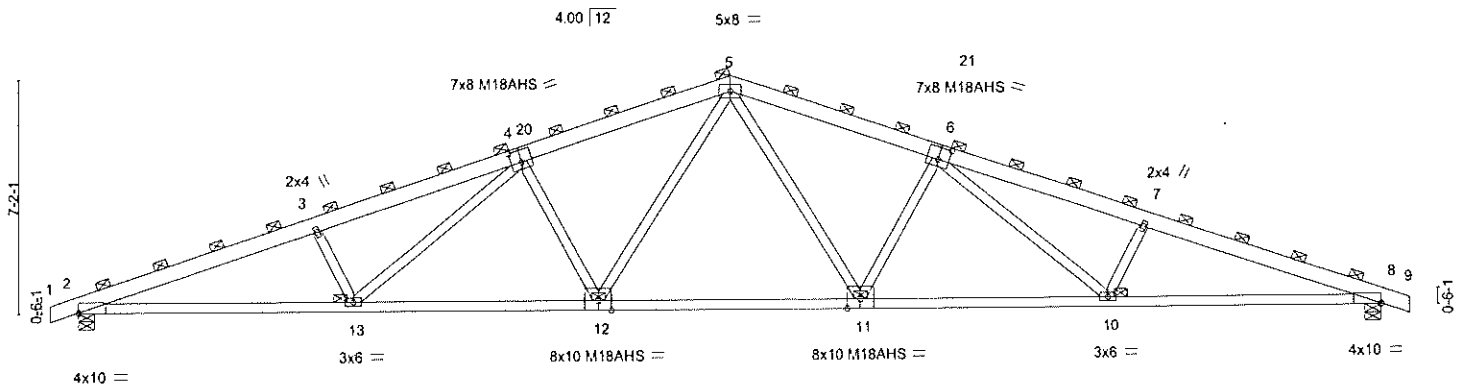


Plate Offsets (X,Y)=-	[2:0-0-0,0-0-4], [4:0-4-0,0-4-8], [6:0-4-0,0-4-8], [8:0-0-0,0-0-4], [11:0-4-15,Edge], [12:0-4-15,Edge]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.49	Vert(LL)	-0.46 11-12	>999	240	MT20	197/144
(Ground Snow=30.0)	Lumber DOL 1.15	BC 0.74	Vert(CT)	-0.74 11-12	>650	180	M18AHS	142/136
TCDL 5.0	Rep Stress Incr NO	WB 0.60	Horz(CT)	0.24 8	n/a	n/a		
BCLL 0.0	Code IBC2018/TPI2014	Matrix-MS	Wind(LL)	0.26 12	>999	360		
BCDL 5.0							Weight: 174 lb	FT = 0%

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 2100F 1.8E *Except*
11-12: 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF No.2

BRACING-

TOP CHORD 2-0-0 oc purlins (3-3-6 max.).
BOT CHORD 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-6-0, 8=0-6-0
Max Horz 2=131(LC 9)
Max Uplift 2=-197(LC 5), 8=-197(LC 6)
Max Grav 2=2488(LC 1), 8=2488(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-6075/386, 3-4=-5801/398, 4-5=-4539/332, 5-6=-4539/332, 6-7=-5801/398,
7-8=-6075/386
BOT CHORD 2-13=-357/5663, 12-13=-214/4706, 11-12=-38/3553, 10-11=-114/4706, 8-10=-257/5663
WEBS 3-13=-560/221, 4-13=-73/960, 4-12=-1250/274, 5-12=-97/1465, 5-11=-98/1465,
6-11=-1250/274, 6-10=-73/960, 7-10=-560/222

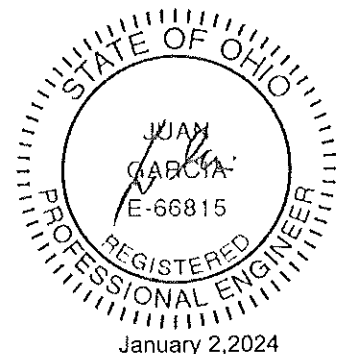
NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=15ft; Cat. I; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33 (Actual dead loads used per ANSI/TPI-1)
- 2) TCDL: ASCE 7-16; Pg=30.0 psf; Ps=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=0.8; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.86; Ct=1.10; Unobstructed slippery surface
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 18.5 psf on overhangs non-concurrent with other live loads.
- 6) n/a
- 7) 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.
- 8) All plates are MT20 plates unless otherwise indicated.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=197, 8=197.
- 10) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) n/a
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MH-7473 rev. 1/2-2023 BEFORE USE. Design valid for use only with MITTEK® 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 ANSI/TPI1 Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpiinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)



MiTek

16023 Springley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	4'oc Stocks	163359864
STOCKS	40-HGDT	GABLE	30	1		

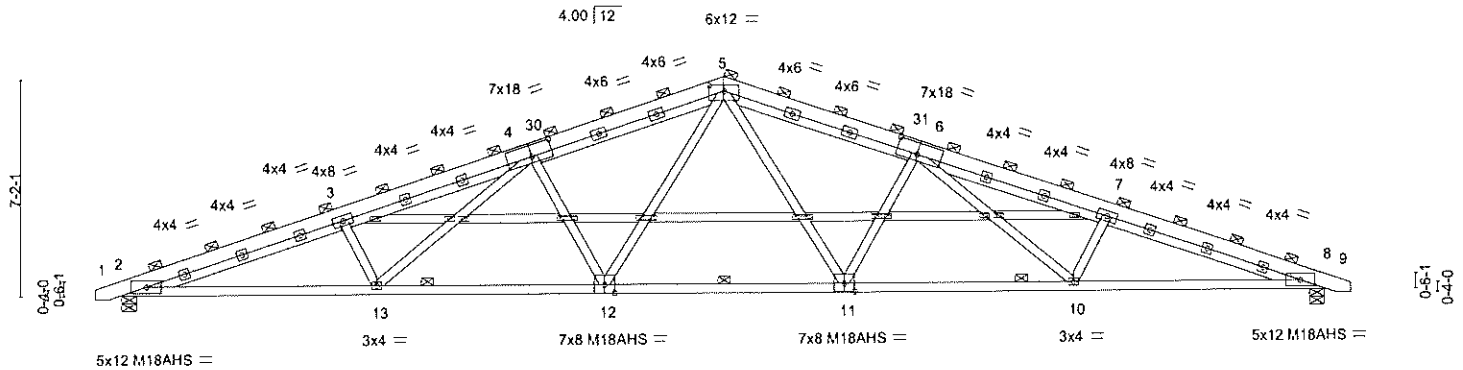
Hosteder's Metal and Truss, Walhonding, OH - 43843,

8.630 s Aug 30 2023 MiTek Industries, Inc. Wed Jan 31 13:46:00 2024 Page 1

ID:sv?R8NE3dHuH0gslsK?N0kzgbCY-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC7f

-0-10-8	7-3-8	13-7-4	20-0-0	26-4-12	32-8-8	40-0-0	40-10-8
0-10-8	7-3-8	6-3-12	6-4-12	6-4-12	6-3-12	7-3-8	0-10-8

Scale = 1:73.1



		8-4-14		16-0-0		24-0-0		31-7-2		40-0-0	
		8-4-14		7-7-2		8-0-0		7-7-2		8-4-14	
Plate Offsets (X,Y)-- [4:0-8-4,0-4-8], [5:0-6-0,0-2-4], [6:0-8-4,0-4-8], [11:0-4-0,0-3-4], [12:0-4-0,0-3-4]											
LOADING (psf)		SPACING-		4-0-0		CSI.		DEFL.		in (loc) l/def L/d	
TCLL 20.0		Plate Grip DOL		1.15		TC 0.37		Vert(LL) -0.36 12-13		>999 240	
(Ground Snow=30.0)		Lumber DOL		1.15		BC 0.75		Vert(CT) -0.59 11-12		>804 180	
TCDL 5.0		Rep Stress Incr		NO		WB 0.60		Horz(CT) 0.22 8		n/a	
BCLL 0.0		Code IBC2018/TPI2014				Matrix-MS		Wind(LL) 0.21 12-13		>999 360	
BCDL 5.0										Weight: 280 lb FT = 0%	

LUMBER-	BRACING-
TOP CHORD 2x6 SP 2400F 2.0E	TOP CHORD 2-0-0 oc purlins (3-11-0 max.).
BOT CHORD 2x4 SP 2400F 2.0E 'Except'	BOT CHORD 10-0-0 oc bracing.
11-12: 2x4 SPF 1650F 1.5E	
WEBS 2x4 SPF No.2	
OTHERS 2x4 SPF No.2	

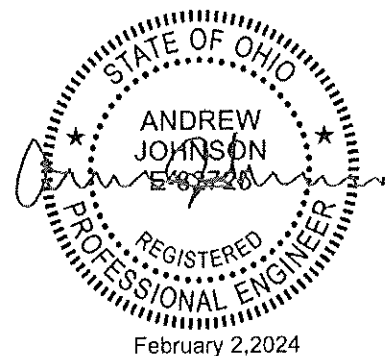
REACTIONS. (size) 2=0-6-0, 8=0-6-0
 Max Horz 2=126(LC 9)
 Max Uplift 2=-196(LC 5), 8=-197(LC 6)
 Max Grav 2=2460(LC 1), 8=2460(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5918/372, 3-4=-5681/385, 4-5=-4542/322, 5-6=-4544/323, 6-7=-5681/387,
 7-8=-5918/375
 BOT CHORD 2-13=-347/5542, 12-13=-232/4784, 11-12=-44/3554, 10-11=-136/4785, 8-10=-251/5541
 WEBS 3-13=-439/200, 4-13=-53/773, 4-12=-1263/273, 5-12=-85/1435, 5-11=-85/1433,
 6-11=-1256/274, 6-10=-54/771, 7-10=-438/201

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCCL=5.0psf; BCDL=5.0psf; h=15ft; Cat. I; Exp C; Enclosed; MWFRS (envelope); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33 (Actual dead loads used per ANSI/TPI-1)
- 2) TCCL: ASCE 7-16; Pg=30.0 psf; Ps=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=0.8; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.86; Ct=1.10; Unobstructed slippery surface
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 18.5 psf on overhangs non-concurrent with other live loads.
- 6) 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.
- 7) 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.
- 8) All plates are MT20 plates unless otherwise indicated.
- 9) All plates are 2x4 MT20 unless otherwise indicated.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2 and 197 lb uplift at joint 8.
- 11) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

Continued on page 2



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 1/2/2023 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 ANSI/TPII Quality Criteria, and DSB-22 available from Truss Plate Institute (www.tpi-inst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsc-components.com)

MiTek

16023 Swingley Ridge Rd.
 Chesterfield, MO 63017
 314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	4'oc Stocks
STOCKS	40-HGDT	GABLE	30	1	163359864
Job Reference (optional)					

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

8.630 s Aug 30 2023 MiTek Industries, Inc. Wed Jan 31 13:46:00 2024 Page 2
ID:sv?R8NE3dHuH0gslsK?NQkzgbCY-RIC?Psb70Hq3NSgPqnL8w3ulTXbGKWRCDoi7J4zJC?I

NOTES-

- 13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-5=-100, 5-9=-100
- 2) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-5=-80, 5-9=-80
- 3) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-30=-80, 5-30=-121, 5-9=-34
- 4) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-5=-34, 5-31=-121, 9-31=-80
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=55, 2-5=31, 5-8=18, 8-9=7
Horz: 1-2=-75, 2-5=-51, 5-8=38, 8-9=27
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=7, 2-5=18, 5-8=31, 8-9=55
Horz: 1-2=-27, 2-5=-38, 5-8=51, 8-9=75
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=20, 2-5=10, 5-8=-3, 8-9=7
Horz: 1-2=-40, 2-5=-30, 5-8=17, 8-9=27
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=7, 2-5=-3, 5-8=10, 8-9=20
Horz: 1-2=-27, 2-5=-17, 5-8=30, 8-9=40
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=20, 2-5=31, 5-8=12, 8-9=2
Horz: 1-2=-40, 2-5=-51, 5-8=32, 8-9=22
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=2, 2-5=12, 5-8=31, 8-9=20
Horz: 1-2=-22, 2-5=-32, 5-8=51, 8-9=40
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=20, 2-5=10, 5-8=-9, 8-9=2
Horz: 1-2=-40, 2-5=-30, 5-8=11, 8-9=22
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=2, 2-5=-9, 5-8=10, 8-9=20
Horz: 1-2=-22, 2-5=-11, 5-8=30, 8-9=40
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=-100, 2-5=-20, 5-8=-20, 8-9=-100
- 14) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-30=-100, 5-30=-154, 5-9=-39
- 15) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 22-26=-20, 1-5=-39, 5-31=-154, 9-31=-100
- 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 22-26=-20, 1-5=-20, 5-9=-20
- 17) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=-50, 2-5=-58, 5-8=-67, 8-9=-59
Horz: 1-2=-30, 2-5=-22, 5-8=13, 8-9=21
- 18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=-59, 2-5=-67, 5-8=-58, 8-9=-50
Horz: 1-2=-21, 2-5=-13, 5-8=22, 8-9=30
- 19) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=-50, 2-5=-58, 5-8=-72, 8-9=-64
Horz: 1-2=-30, 2-5=-22, 5-8=8, 8-9=16
- 20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 22-26=-20, 1-2=-64, 2-5=-72, 5-8=-58, 8-9=-50
Horz: 1-2=-16, 2-5=-8, 5-8=22, 8-9=30

Continued on page 3

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 1/2/2023 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 **ANSI/TPI 1 Quality Criteria, and DSB-22** available from Truss Plate Institute (www.tpiinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	4'oc Stocks
STOCKS	40-HGDT	GABLE	30	1	163359864
Job Reference (optional)					

Hosteffer's Metal and Truss, Walhonding, OH - 43843,

8.630 s Aug 30 2023 MiTek Industries, Inc. Wed Jan 31 13:46:00 2024 Page 3
ID:sv?R8NE3dHuH0gslsK7NQkzgbCY-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWvCDoi7J4zJC?i

LOAD CASE(S) Standard

21) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 22-26=-20, 1-2=-20, 2-5=-25, 5-9=-20

Horz: 2-5=5

22) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 22-26=-20, 1-5=-20, 5-8=-25, 8-9=-20

Horz: 5-8=-5

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIJ-7473 rev. 11/2/2023 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 **ANSI/TPI1 Quality Criteria**, and **DSB-22** available from Truss Plate Institute (www.tpiinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

MiTek[®]
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com



MiTek, Inc.

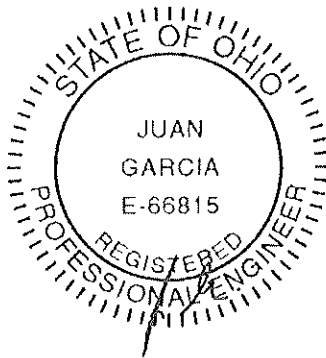
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Re: stocks
Stock Trusses

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Hostetler's Metal & Truss.

Pages or sheets covered by this seal: 162807553 thru 162807565

My license renewal date for the state of Ohio is December 31, 2025.



January 2, 2024

Garcia, Juan

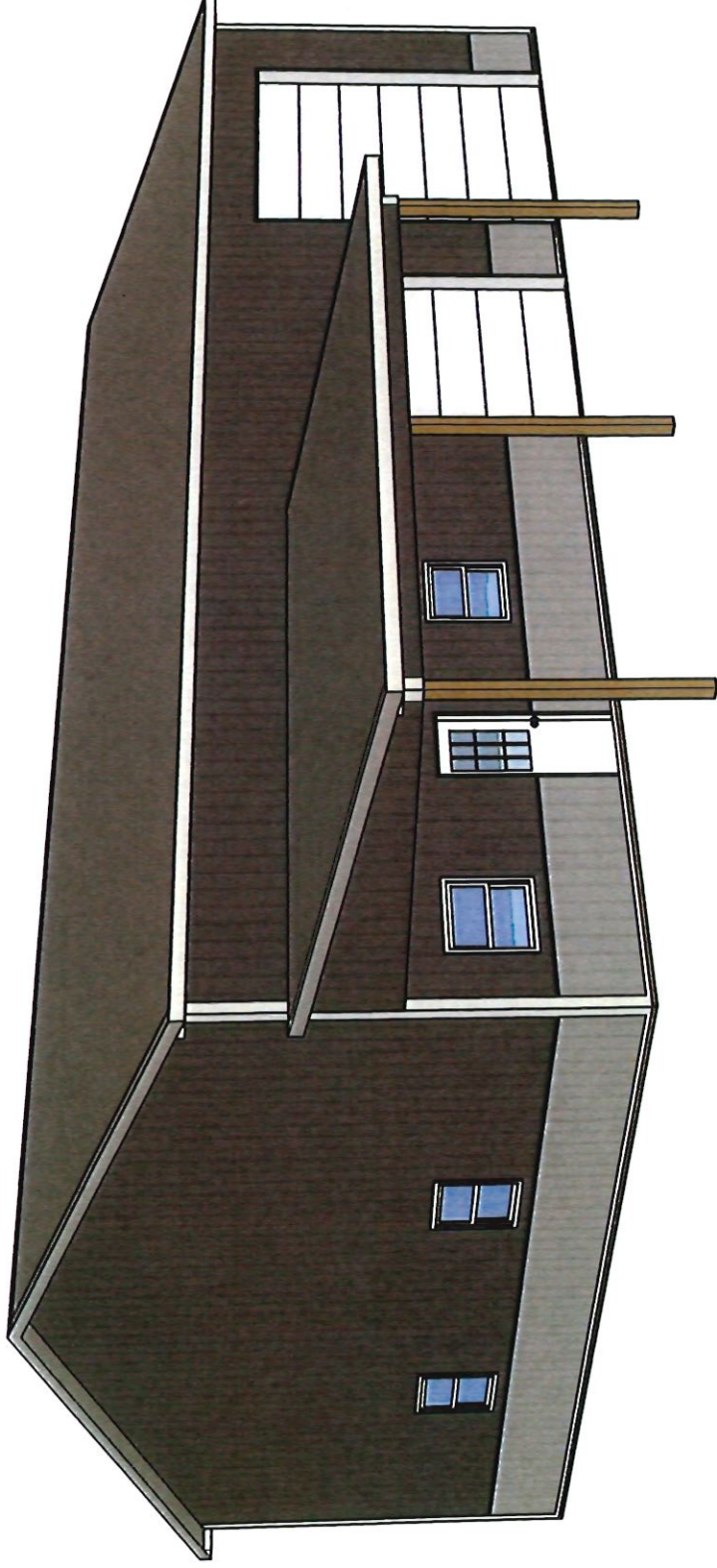
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Leffler, John

40x60x16 Post Frame Building
with 16x24 Open Lean-to

Building Colors: Buckeye Steel
Siding: Charcoal
Trim: Pure White
Roof: Light Gray
Wainscoting: Light Gray
Doors: White
Misc. Details:

Single Bubble Ins. on Roof
House Wrap on Sides
Liner Panel on Ceiling
Gutter (White) w Downspouts



Cover Sheet

May 29, 2024

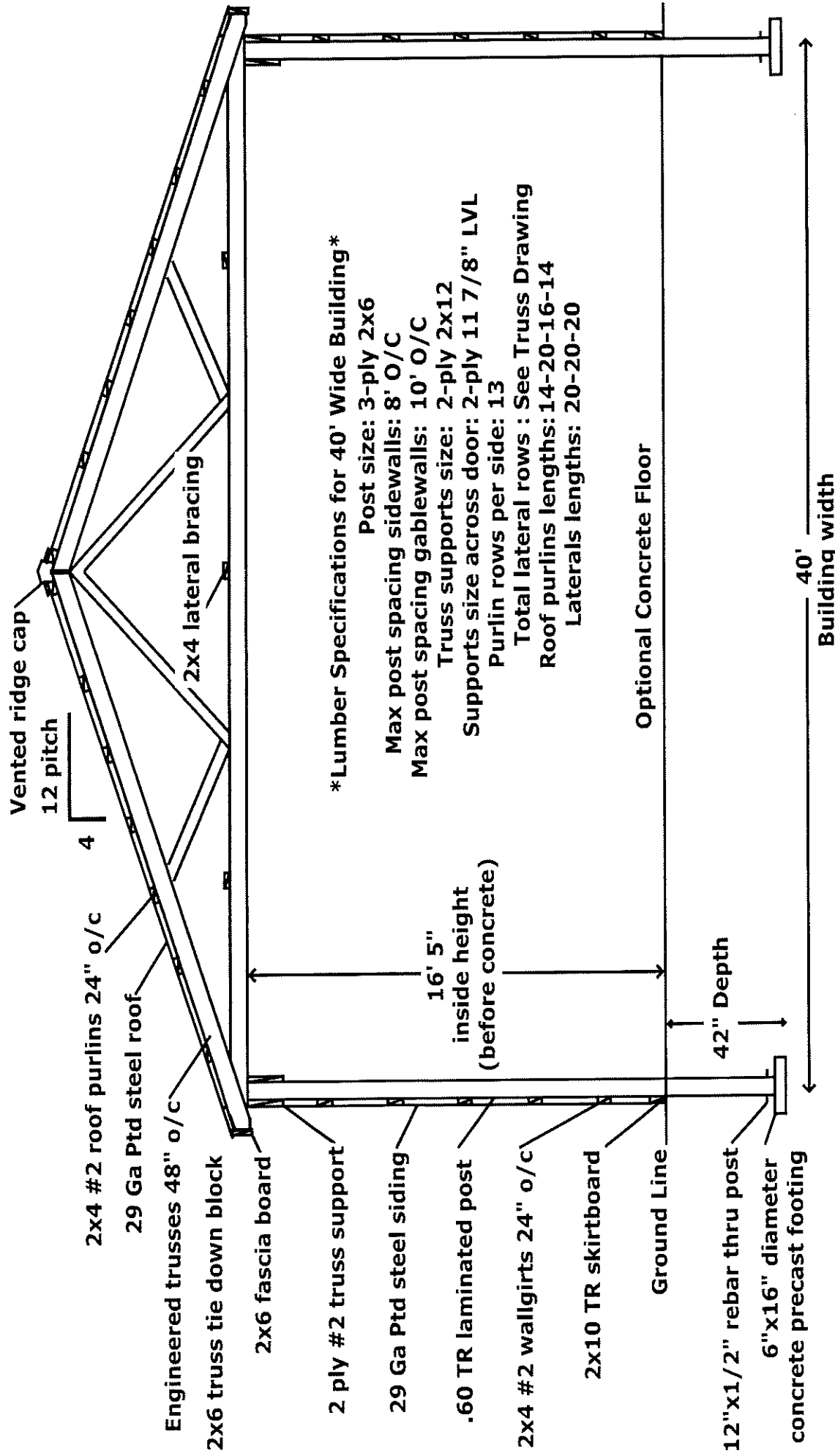
No Scale



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



Lumber Specifications for 40' Wide Building

Post size: 3-ply 2x6
Max post spacing sidewalls: 8' O/C
Max post spacing gablewalls: 10' O/C
Truss supports size: 2-ply 2x12
Supports size across door: 2-ply 11 7/8" LVL
Purlin rows per side: 13
Total lateral rows : See Truss Drawing
Roof purlins lengths: 14-20-16-14
Laterals lengths: 20-20-20

Typical Wall Section

Typical Framing View

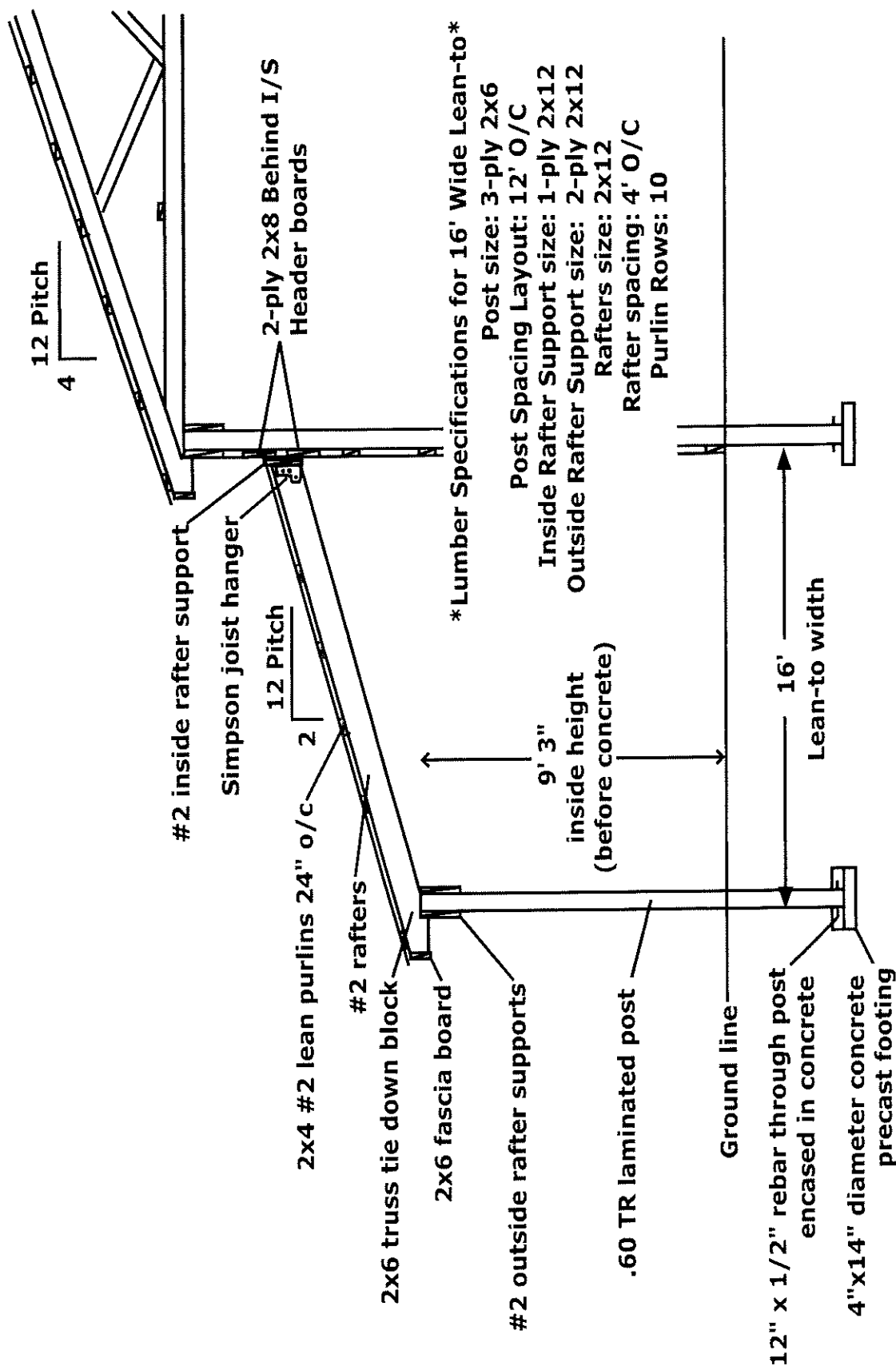
No Scale



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



Typical Lean-to Section

Lean-to Framing View

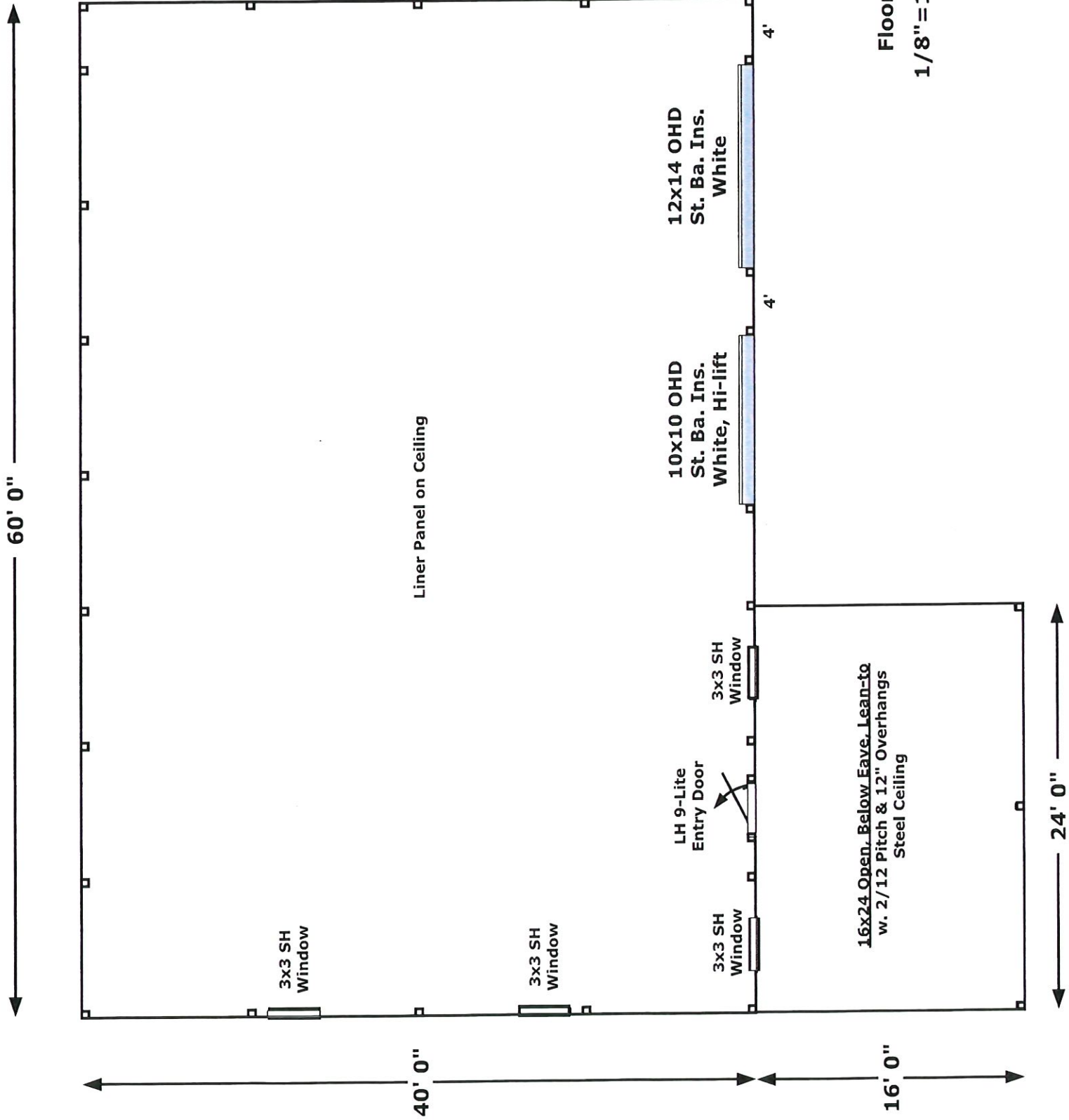
No Scale



Job Name: Leffler, John

Site Address: 6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130

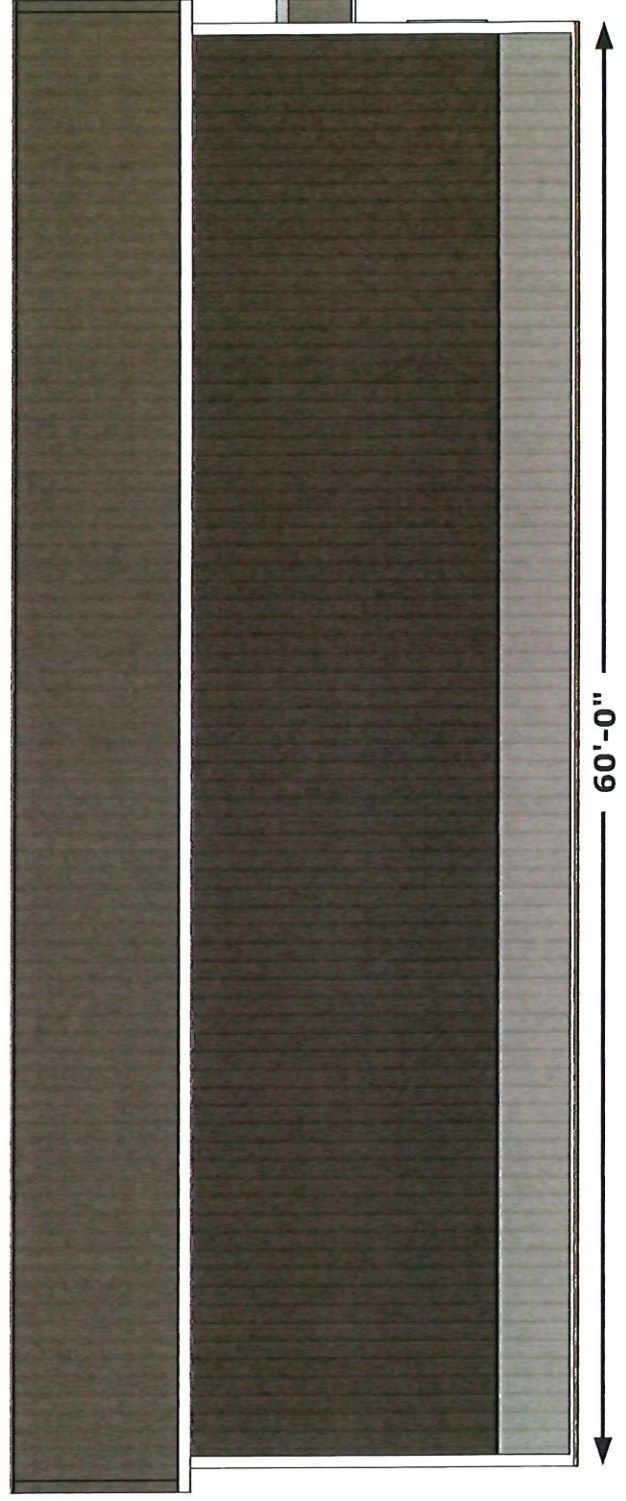
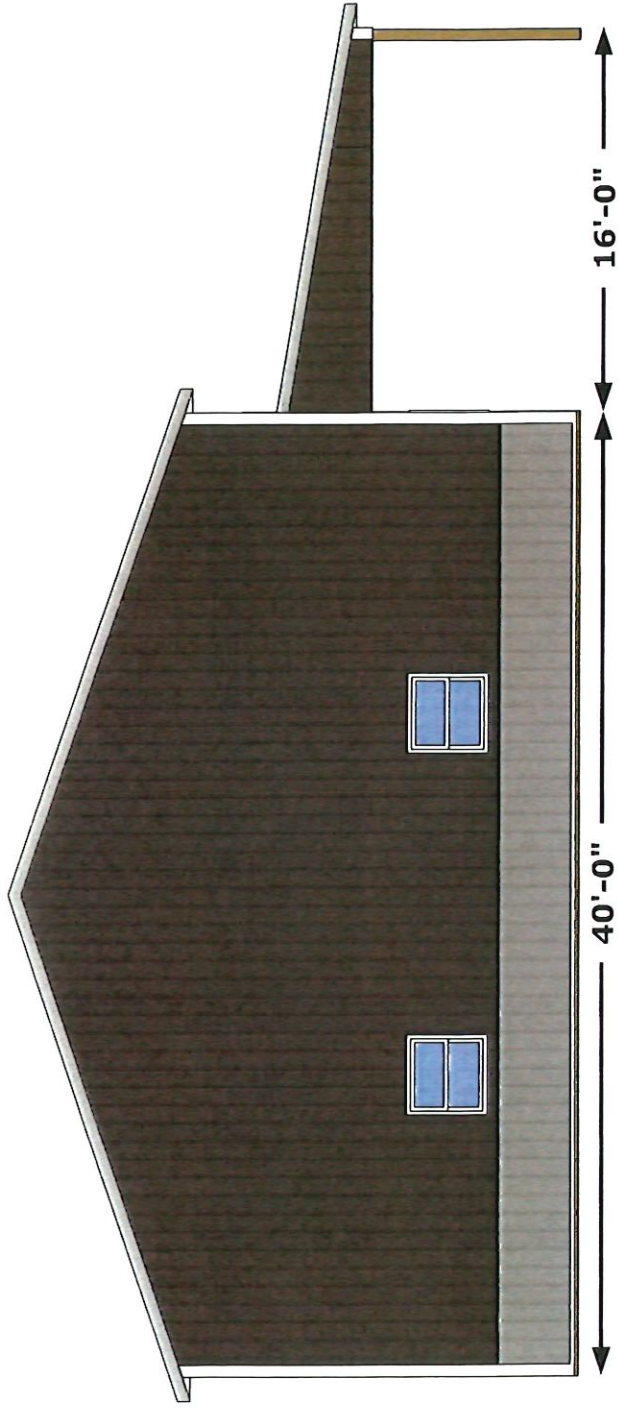




Job Name:
Leffler, John

Site Address:
6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



1/8"=1' Scale

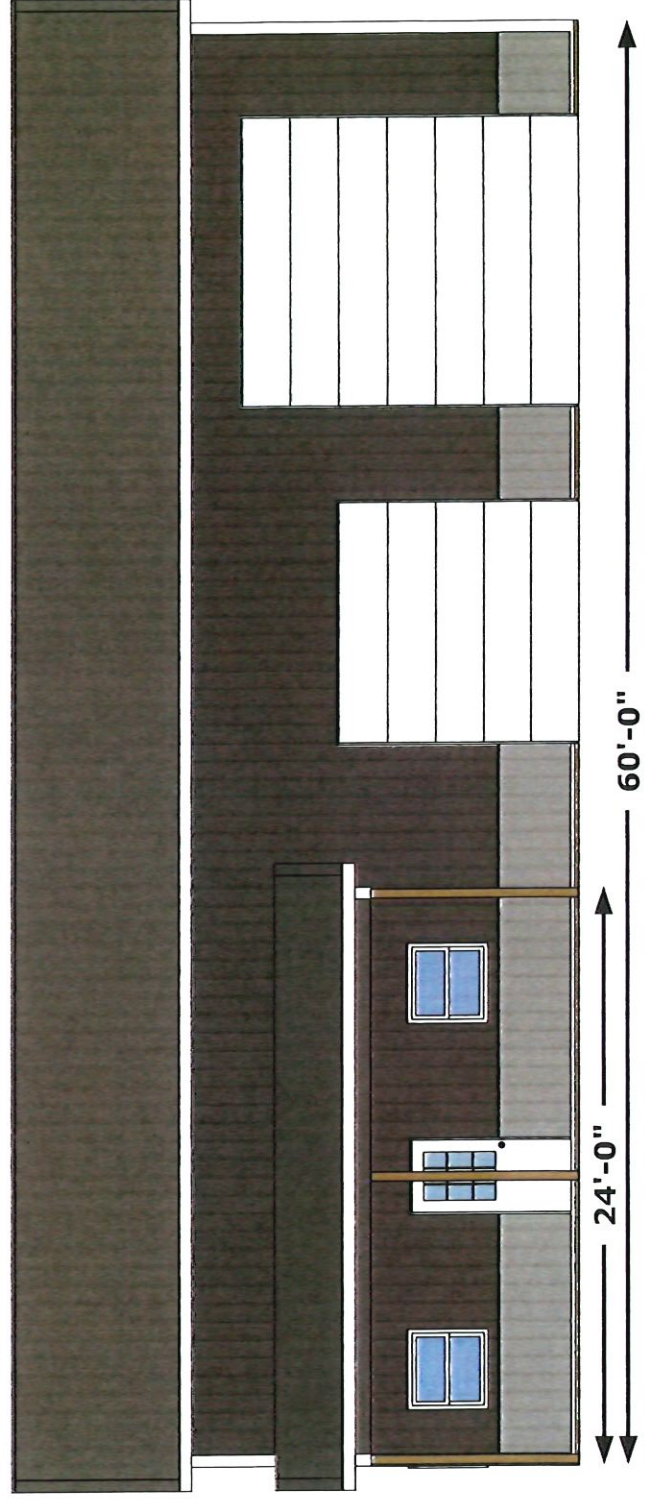
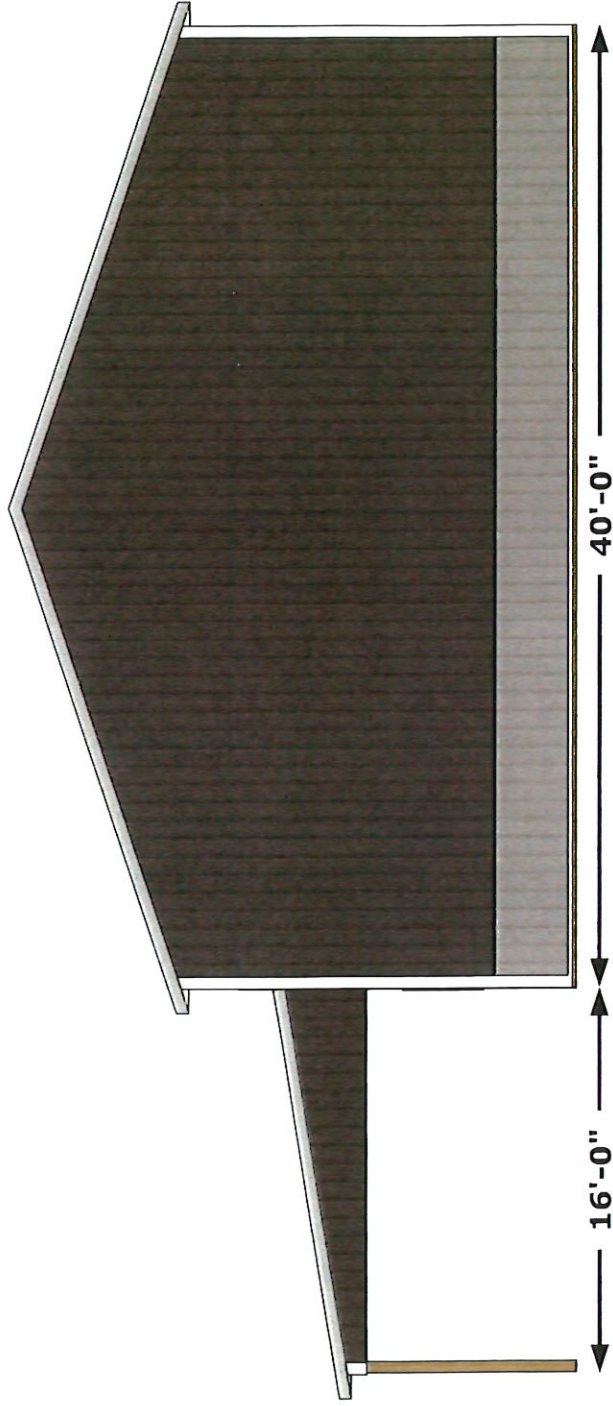
Elevation Views



Job Name:
Leffler, John

Site Address:
6751 State Route 104
Lockbourne, OH

MQS Structures, LLC
2843 Lifer Lane SW
Lancaster, OH 43130



1/8" = 1' Scale

Elevation Views