

THE MUNICIPAL DISTRICT OF WILLOW CREEK NO. 26

273129 Secondary Hwy 520 West
Box 550, Claresholm, Alberta T0L 0T0
Phone: (403) 625-3351 Fax: (403) 625-3886
Email: development@mdwillowcreek.com

NOTICE OF PROPOSED DEVELOPMENT APPLICATION

Application No. 059-26

TO: Adjacent Landowners

Notice is hereby given that an application is being made for a development permit with regard to the following:

NAME OF APPLICANT: David Wooldridge

LEGAL DESCRIPTION OF SITE: Lot 12; Block 7; Plan 2312067 within SW 21-12-27-4)

LAND USE DESIGNATION: Willow Creek Business Park

TYPE OF DEVELOPMENT:

Manufacturing of Canoes business, consisting of moved in 40ft. x 12ft. shop, (1) 320 sq. ft. shipping container for storage and construction of a 30ft. x 50ft. x 14ft(h) main shop (with staff room and washroom), outdoor storage area and parking. Also, proposed signage on west side of shop.

Pursuant to the Municipal District of Willow Creek Land Use Bylaw No. 2025, notice is hereby given that the Development Authority will consider this application, and the Development Officer Discretionary application must be circulated to adjacent landowners and the appropriate agencies for comments and/or concerns.

The development application and all associated information are available for viewing at the Municipal Office at the address shown above during normal hours of operation, or website www.mdwillowcreek.com. Check the website for any future amendments to this notification and/or application.

Any person affected by the said proposal has the right to provide a written submission prior to the submission date below. Any information submitted will become available to the public and may also be shared with the applicant and appropriate government/other agencies and is subject to the provisions of the *Access to Information Act (ATIA)*. If you have any questions, please contact the Director of Planning and Development or Development Officer.

Submit written comments to:

Cindy Chisholm, Director of Planning and Development

Box 550, Claresholm, AB T0L 0T0

or

Email: development@mdwillowcreek.com Phone: (403) 625-3351 ext. 235

Written submission by: June 20, 2026

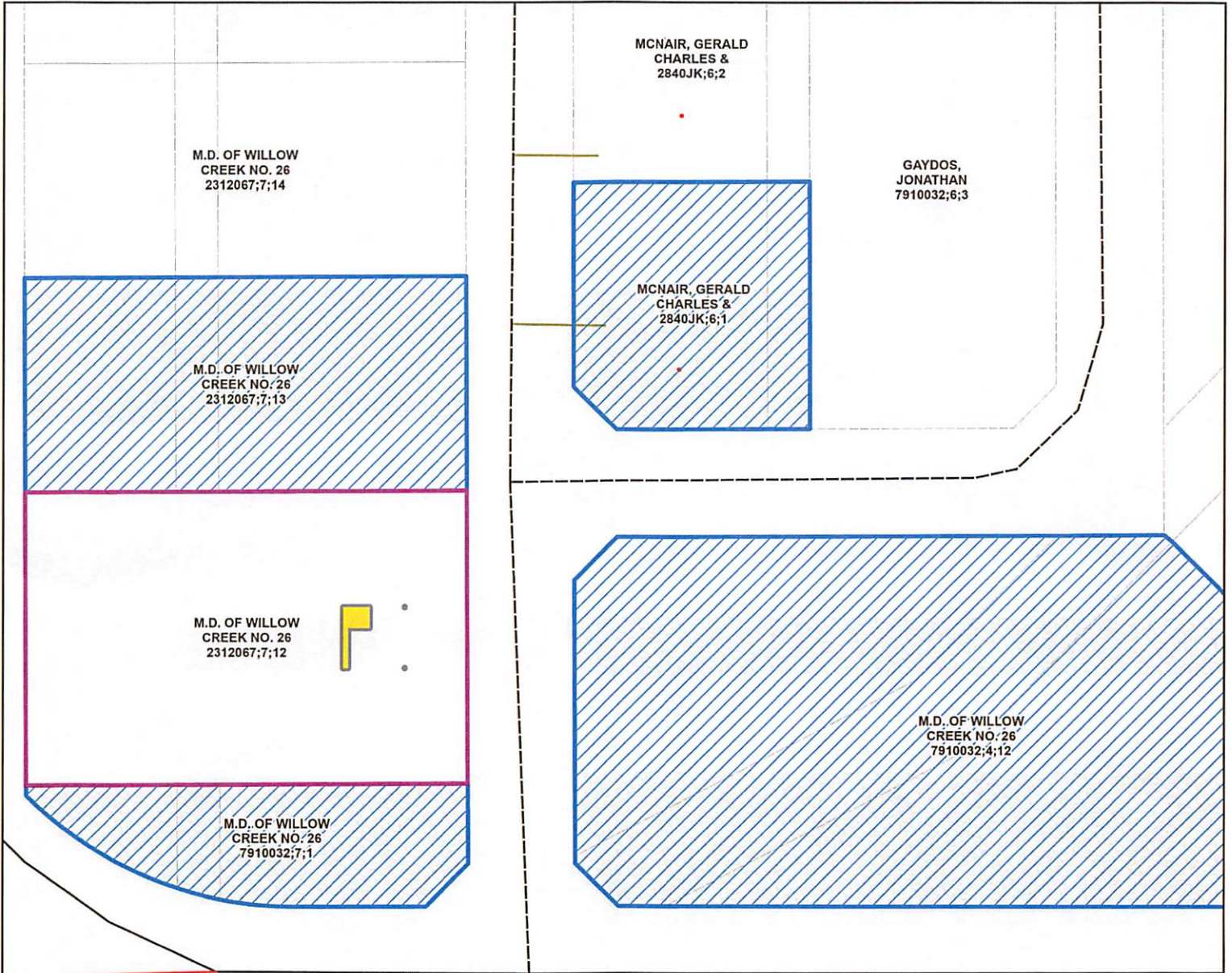
DATE: June 10, 2026

SIGNED: 

Cindy Chisholm
Development Officer
MD of Willow Creek No. 26

DEVELOPMENT APPLICATION MAP

APPLICATION No. 059-26



Application No. 059-26

Applicant: David Wooldridge

Proposed Development description:
Manufacturing

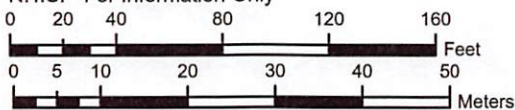
Legal description:
Lot 12; Block 7; Plan 2315067
SW 21-12-27-W4M

Cindy Chisholm
Development Officer

Legend

- Proposed Parcel
- Adjacent Landowners
- P Project Proposal Location

N.T.S. - For Information Only



Service Layer Credits: All Information Contained Within This Map Remains The Property of The M.D. of Willow Creek And Should Be Used For Informatic



Municipal District of Willow Creek No. 26

P.O. Box 550
#273129 Secondary Highway 520
Claresholm, AB
T0L 0T0
Tel: 403-625-3351





4:27;12;20;SE

7844.110 2312067;7;13

2840JK;6;1
7837.000

7910032;6;3
7841.070

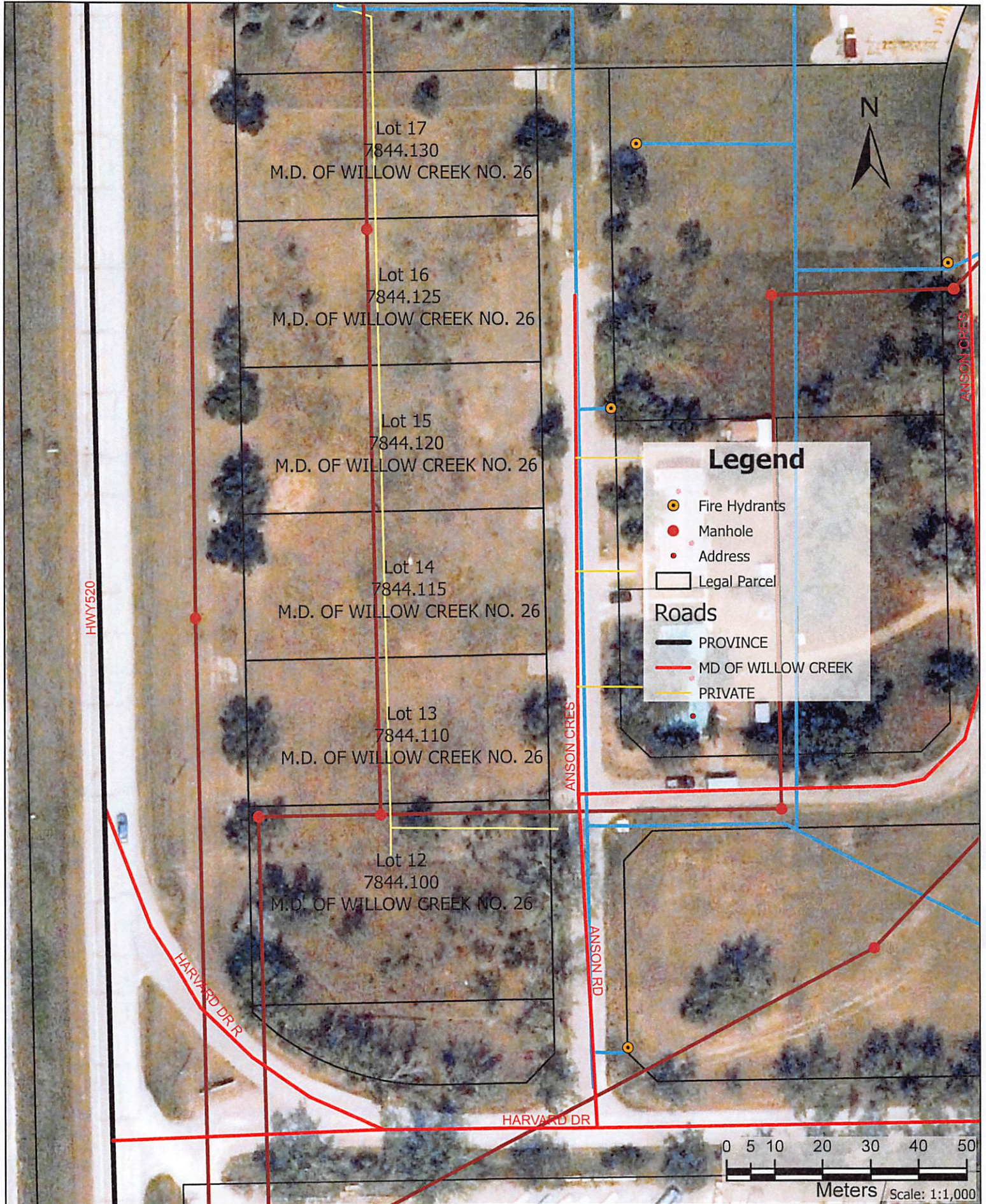
7844.100 2312067;7;12

7841.010 7910032;4;12

7845.001 7910032;7;1

Commercial Lots available on Anson Road

Lots 12-17



Transportation and Economic Corridors Notice of Referral Decision

Municipal Development in Proximity of a Provincial Highway

| | | | |
|------------------------------------|--|------------------------|------------------------------|
| Municipality File Number: | DA 059-26 | Highway(s): | 520 |
| Legal Land Location: | QS-SW SEC-21 TWP-012 RGE-27 MER-4 | Municipality: | M.D. of Willow Creek No. 26 |
| Decision By: | Leah Olsen | Issuing Office: | Southern Region / Lethbridge |
| Issued Date: | June 9, 2026 | AT Reference #: | RPATH0073433 |
| Description of Development: | Development Permit application No. 059-26 - David Wooldridge Proposed manufacturing business to make canoes. Legal Land: Lot 12, Block 7, Plan 2312067 within SW 21-12-27-W4M (MD of Willow Creek) | | |



This will acknowledge receipt of your circulation regarding the above noted proposal. Transportation and Economic Corridors primary concern is protecting the safe and effective operation of provincial highway infrastructure, and planning for the future needs of the highway network in proximity to the proposed development(s).

Transportation and Economic Corridors offers the following comments and observations with respect to the proposed development(s):

In reviewing the application, the proposed development falls within the permit area of a provincial highway as outlined in the Highways Development and Protection Act/Regulation. The proposed development, however, will not cause any concern for ongoing highway operation or future highway expansion. Transportation and Economic Corridors, therefore, issues an exemption from the permit requirements for the development listed above pursuant to Section 25 of the Highways Development and Protection Regulation.

- Pursuant to Section 618.3(1) of the Municipal Government Act (MGA), the department expects that the municipality will comply with any applicable items related to provincial highways in an ALSA plan if applicable
- Pursuant to 618.4(1) of the Municipal Government Act, the department expects that the Municipality will mitigate the impacts of traffic generated by developments approved on the local road connections to the highway system, in accordance with Policy 7 of the Provincial Land Use Policies.

Please contact Transportation and Economic Corridors through the [RPATH Portal](#) if you have any questions, or require additional information



Issued by Leah Olsen, Development and Planning
Technologist, on June 9, 2026 on behalf of the Minister of
Transportation and Economic Corridors



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 #273129 Secondary Highway 520 West
 PO Box 550
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 403-625-3351

FORM A: DEVELOPMENT PERMIT APPLICATION

Pursuant to Land Use Bylaw No. 2025

| OFFICE USE | | | |
|---|-----------------------------|---|--|
| Application No: 059-26 | Roll No: 7844.100 | Use: DO <input type="checkbox"/> Permitted <input checked="" type="checkbox"/> Discretionary <input type="checkbox"/> Similar <input type="checkbox"/> Prohibited | |
| Application Fee: \$ | Date Paid: | Land Use District: | |
| Application Received / Complete: June 3/26 | | <input type="checkbox"/> Rural General <input type="checkbox"/> Open Space/Public Recreation <input type="checkbox"/> Hamlet Residential <input type="checkbox"/> Public Service <input type="checkbox"/> Hamlet Business <input type="checkbox"/> Nanton Urban Fringe <input checked="" type="checkbox"/> Willow Creek Business Park <input type="checkbox"/> Residential Growth Area <input type="checkbox"/> Rural Commercial <input type="checkbox"/> Commercial/Industrial Growth Area <input type="checkbox"/> Rural Industrial <input type="checkbox"/> Use Specific Direct Control <input type="checkbox"/> Natural Resource Extraction <input type="checkbox"/> Industrial Renewable Energy <input type="checkbox"/> Claresholm Airport <input type="checkbox"/> Direct Control <input type="checkbox"/> Rural Recreational <input type="checkbox"/> RV Overlay <input type="checkbox"/> FHPO Overlay | |
| Notification or Advertised Date: | Effective Date: | | |
| Municipal Address Application Submitted: REQUIRED <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not Required | | | |
| AER Abandoned well information provided: <input type="checkbox"/> Yes <input type="checkbox"/> No N/A | | | |
| Site Plans or drawings Submitted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Site Visit Conducted: <input type="checkbox"/> No <input type="checkbox"/> Yes Date: | |

PROPOSED: Manufacturing - Canoes, ~~Blow~~ on Building, Shipping Containers, outdoor storage & construct Bldg.

Applicant's Name: David Wooldridge

Phone: _____ Cell Phone: _____ Mailing

Address: _____ Email: _____

Registered Owner's Name: Lisa Wooldridge

Phone: _____ Cell Phone: _____

Mailing Address: same

Email: _____

Applicant's interest in the proposed development if not the registered owner:

Agent Contractor Tenant Other: Family

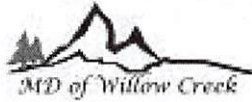
Quarter _____ Section _____ Township _____ Range _____ W _____ M

Lot(s) Lot 12 Block _____ Plan _____

Municipal/Street address: _____

* Subject to Municipal Address Bylaw 1814, if there is currently not a municipal address on the parcel a municipal address application must be submitted.

Area of Parcel: .065 Acres .64 Hectares Land Use District: WCBP



Municipal District of Willow Creek No. 26 Land Use Bylaw 2025 Appendix A: Form A | 1

Municipal District of Willow Creek No. 26
#273129 Secondary Highway 520 West
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FORM A: DEVELOPMENT PERMIT APPLICATION

Pursuant to Land Use Bylaw No. 2025

DEVELOPMENT INFORMATION

(1) Existing Development

Please list the existing buildings, structures and use(s) on the land. (Please indicate if any are to be removed or relocated.)

(2) Proposed Development

Please describe the proposed development including uses, buildings, structures, and any planned renovations and additions that are to be constructed on the lot; including the dimensions of each.

___ Canoe Manufacturing Business. We will put a prefab 40X12 shop, and Sea Can on property immediately and build an additional shop within the first year. There will be outdoor storage inbetween the Sea Can and 40X12 shop. The new shop will be 30X50 on a concrete slab with a steel frame shop constructed on top.

For **residential** development please check the applicable box below:

- Single-detached dwelling (site built) Prefabricated dwelling
 Second dwelling unit Third or more dwelling unit
 Moved-in dwelling (previously occupied) Accessory Building/Structure (e.g. deck/garage/shop) Other
Dwelling Type: _____ Addition: _____ Does dwelling
application include an attached garage? Yes No

For non-residential development please check the applicable box below if the proposed development is for one of the following AND complete the supplementary form:

- Isolated rural commercial industrial Class A or B (Form A1) Renewable Energy (Form A2a)
Rural Commercial / Industrial or Rural Recreation (Form A2) Sign(s) (Form A3)

Building Details:

| Size/Dimensions | Principal Building or Addition | Accessory Building or Addition | | Office Use |
|---|--------------------------------|--------------------------------|-------------------------|------------|
| | Main Shop | Shop | Sea Can | |
| Building or Addition Size | 1500 ft ² | 480 ft ² | and 320 ft ² | |
| Height of Building (grade to peak) | 14 ft | 11ft | 9 ft | |
| Attached Garage Size | na | | N/A | |
| Proposed Setbacks from Property Lines | Principal Building | Accessory Building | | |
| | Main Shop | Shop | Sea Can | |
| Front | 100 ft | 100ft | 100ft | |
| Rear | 12ft | 12ft | 12 ft | |
| Side (these are guesses from measurements taken from map) | 95ft | 76ft | 50 ft | |
| Side (these are guesses from measurements taken from map) | 72ft | 112ft | 141 ft | |

Appendix A: Form A | 2 Municipal District of Willow Creek No. 26 Land Use Bylaw 2025



Municipal District of Willow Creek No. 26
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FORM A: DEVELOPMENT PERMIT APPLICATION

Pursuant to Land Use Bylaw No. 2025

| | |
|--|--|
| Parcel Type: <input type="checkbox"/> Corner Lot | |
| Development Details: Access & Cost | |
| Approach or driveway required to the development? Yes (specify) We will build a driveway with parking spots | |
| Estimated cost of development: \$2000 | |

(3) Exterior Finish, Fencing & Landscaping

- (a) Not applicable to this development
- (b) Applicable – Describe generally the types, colors, and materials, as applicable, of: Exterior finishes of the proposed building(s): 40X12 is prefab wood and metal off white. Sea can off white _____
 Proposed fencing and height: there is existing fencing. _____
 Proposed landscaping: _____

Describe any proposed improvements to the exterior of the dwelling where application is for a previously occupied dwelling (moved-in or manufactured home): _____

I/We hereby certify that the registered owner of the land is aware of, and in agreement with this application.

Further I/We hereby give my/our consent to allow authorized persons the right to enter upon the subject land and/or building(s) for the purpose of an inspection with respect to this application only.

Date: June 3 2026

Applicant's Signature: _____

Registered Owner's (Required, if different from applicant):

Signature: _____

Chief Administrative Officer

1. The Development Authority may deem a development permit application incomplete if any of the application requirements are incomplete or the quality of the information is deemed inadequate to properly evaluate the application.
2. Plans and drawings, in sufficient detail to enable adequate consideration of the application, must be submitted in **duplicate** with this application, together with a plan sufficient to identify the land. It is desirable that the plans and drawings should be on a scale appropriate to the development. However, unless otherwise stipulated, it is not necessary for plans and drawings to be professionally prepared.
3. Although the Development Officer is in a position to advise applicants of the process and requirements of the development application, such advice must not be taken as official consent, and is without prejudice to the decision in connection with the formal application.
4. Any development started before the issuance of a development permit and expiration of the appeal period is at the applicant's own risk.
5. **If a decision is not made within 40 days** from the date the application is deemed complete, or within such longer period as the applicant may approve in writing, **the applicant may deem the application to be refused** and the applicant may exercise his right of appeal as though he had been mailed a refusal at the end of the 40-day period.
6. A development permit does not constitute a building permit or approval from any provincial or federal department. Construction undertaken subsequent to approval of this development permit application may be regulated by the **Alberta Safety Codes**. The applicant/owner/developer assumes all responsibilities pertaining to construction plan submissions, approval and inspections as may be required by the appropriate provincial body. The applicant is responsible for determining and obtaining any other applicable provincial and federal approvals prior to commencement.

Appendix A: Form A | 4 Municipal District of Willow Creek No. 26 Land Use Bylaw 2025



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FORM A: DEVELOPMENT PERMIT APPLICATION

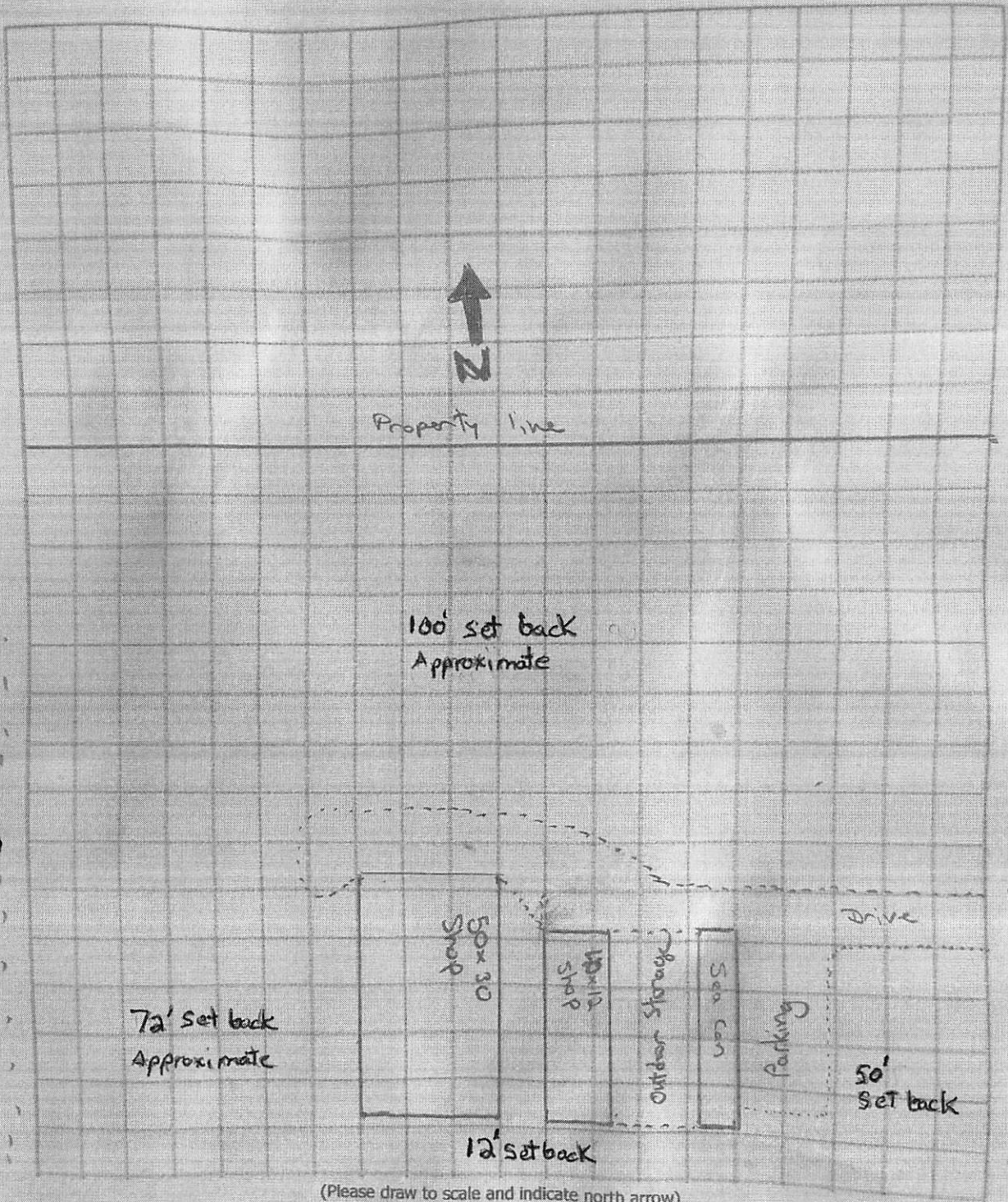
Pursuant to Land Use Bylaw No. 2025

Site Plan

(or attach separate site plan)

520 Hwy

Anson Cres



(Please draw to scale and indicate north arrow)



Municipal District of Willow Creek No. 26 Land Use Bylaw 2025 Appendix A: Form A | 5

Municipal District of Willow Creek No. 26
 #273129 Secondary Highway 520 West
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**FORM D: COMMERCIAL/INDUSTRIAL/NATURAL
 RESOURCE RURAL RECREATION APPLICATION**

Supplement to Development Permit Application
 Pursuant to Land Use Bylaw No. 2025

| OFFICE USE | |
|---|---|
| Permit Application No: (to match Form A) | Roll No: |
| Traffic Impact Assessment: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not Required | Storm water management plan submitted: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not Required |
| ASP Submitted: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not Required | Lot Grading plan submitted: <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not Required |

This supplementary Form D must be completed in addition to Form A, and Form F if you are applying for a development permit for a sign.

APPLICANT INFORMATION

(1) Applicant's Name: David Wooldridge Phone: [REDACTED]
Mailing Address: [REDACTED]
Email: [REDACTED]

(2) Proposed Use

This application is to: (Check all that apply)

- Construct a new building or structure (if greater than 500 sq. ft. see abandoned well information section) The building or structure is for:
 - Commercial Use (e.g. retail, sales, service office, food establishment, etc.)
 - Industrial Use (e.g. manufacturing, processing, warehousing, storage, etc.)
- Natural resource extraction use and associated development
- Addition to an existing building (if greater than 500 sq. ft. see abandoned well information section)
- Construct an accessory building/shipping container (if greater than 500 sq. ft. see abandoned well information section)
- Mixed-use (comprehensive) development in a building or on a parcel of land
- Outdoor storage
- Change in or intensification of use
- Other _____

(3) Describe the proposed use, any changes from existing use, and any work to be done: We will build canoes.
We intend to move a prefab shop and sea can onto the property to build canoes in. In the next year we would like to build a 30X50 shop as well

(4) Outdoor Storage – Is outdoor storage or a display area required or proposed? Yes (If yes, indicate locations of same on a scaled PLOT PLAN.)



**FORM D: COMMERCIAL/INDUSTRIAL/NATURAL RESOURCE
RURAL RECREATION APPLICATION**

Supplement to Development Permit Application
Pursuant to Land Use Bylaw No. 2025

(5) Parking and Loading Information

(a) Details of Vehicle Parking and Access – Describe the **number** 3 and **size** (dimensions) 9X18 each of all existing and proposed off-street parking spaces, and **driveways/approaches** 50feet long 10 feet wide on site (or N/A if not applicable).

(Indicate locations of same on a scaled PLOT PLAN.)

(b) Loading Areas – Is a dedicated loading space/area proposed? No

If yes, please specify: _____

(Indicate locations of same and building loading doors on a scaled PLOT PLAN.)

(c) Drive-through Uses – For a commercial use, does the proposed development include a drive-through component which requires a dedicated vehicle-stacking lane? No Yes

If yes, please specify: _____

(Indicate locations of same on a scaled PLOT PLAN.)

(6) Servicing Details

Please indicate if the proposed development will require water and sewer for the following (check all that may apply):

Washroom/kitchen type facilities for staff

The new shop will have a washroom and staff kitchen. We will have a porta potty until then

DECLARATION OF APPLICANT/OWNER

The information given on this form is full and complete and is, to the best of my knowledge, a true statement of the facts in relation to the application for a commercial/industrial development. I also consent to an authorized person designated by the municipality to enter upon the subject land and buildings for the purpose of an inspection during the processing of this application.

IMPORTANT: This information may also be shared with appropriate government/other agencies and may also be kept on file by those agencies. The application and related file contents will become available to the public and are subject to the provisions of the Access to Information Act and Protection of Privacy Act.

Date: June 3/2026 Applicant's Signature: _____
Registered Owner's Signature _____
(if different from applicant)

NOTE: This Form D is supplementary and is in conjunction with a completed Form A: Development Permit Application. Refer to Bylaw No. 2025 for specific regulations and standards of development.

RECEIVED
JUN 01 2026

Please provide the following:

Proposed 40ft. x 12ft. building / signage

- Construction/Assembly plans

See document from manufacturer on June 1

- Foundation/footing drawings

These will be pre fabricated concrete footings that the building will be placed on set to manufactures specs

- Photo of proposed building

See Photo sent on June 1

- Floor plan showing the entrance/exit doors, windows, area for canoe manufacturing, washroom, staff room, etc.

This building is only a shop. It has doors at the front an emergency exit window in the back. There new space we will apply to build in the fall/ winter will have bathroom, staff room ext. While we build this we will get a Porta Potty on site.

- Provide details of proposed signage (number of signs, dimensions, materials, and how will they be installed)

At the moment we will likely have a sign that says Ridge Canoes on the side of the building. It will be 2 feet tall by 6 feet wide on the 40 foot side of the shop. I will attach a mock up of the sign. It will be an exterior grade plastic recommend by the printer. We will hold off on other signage until the main shop project.

- Show the proposed locations for the proposed signage on the building.

Just on the West side of the shop

Shipping container

- Is the shipping container new or used ? Please provide a photo. Used but in great shape and painted. See Picture sent on June 1

- If it is a used shipping container, you may be required to paint to the satisfaction of the development authority.

See pic sent on June 1

- Is the shipping container modified in any way (additional doors installed, ventilation, etc.)

No modifications

Site plan

- Outdoor storage area

The outdoor storage space will be between the 2 buildings.

- Show the proposed setback distances from the building, shipping container, and outdoor storage area to the adjacent property lines.

As it is between the sea can and the shop it will have the same set backs which exceed the MD requirements

Parking

- Just an observation. You mentioned there would be 1-3 employees. I notice you mentioned you would need parking for 2 vehicles. May I suggest a revision to your additional information on page 3, to change to 3 parking spaces

Consider it amended! 3 Parking spaces instead of 2.

Storage of resin, etc.

- What are the dangers of working with and storing of resin ? What measures will be in place to ensure no odours, irritants, and fires, etc. will happen.

The resin is kept in the manufacturer's drums for safety. Only the amount being used immediately is portioned out for used. The Drums of resin are kept inside the sea can with is sealed to keep them safe.

There is a spill kit kept in with the resin as a safety back up. The sea can itself has a lip so no resin could get out. We also keep appropriate fire extinguishers in the buildings.

Unlike fiberglass work that uses choppers guns that aerosolize the resin and create heavy fumes we lay up with rollers which makes the process slower and much less odours.

We do use all PPE for staff working with the products. Including masks, suits and gloves when needed.

Ridge Pinnacle Product Sales Ltd. Application for Canoe building

Please accept this letter as an application for Ridge Pinnacle Product Sales Ltd. known as Ridge Canoes to build canoes in the Willow Creek municipal District.

The following information are answered questions provided by the municipal district. Please let us know if there's any other information you require.

Details on moved in building (dimensions, materials, etc.)

-40x12 foot prefab shop. 2x4 and 2x6 construction with metal roof. Insulated.

Details on manufacturing of canoes (ie: types of canoe, materials, production methods)

-Composite canoes built out of resin, fibreglass, aluminum, and wood.

Estimated number of canoes built each month

-8 canoes a month a mix of tandem and voyageur canoes.

Days/hours of operation

-8-4 Monday to Friday. Some weekends and sometimes working later during the day.

Number of employees

-1-3

Expected volume of clients visiting the site daily/weekly

-Most of our canoes are delivered so there are very few clients that come to our shop

Expected volume of delivery trucks loading/unloading daily/weekly

-we receive shipments every few months and a lot of the times we picked up the material ourselves

Proposed access, private driveway

-we will put in a driveway off of Anson Road.

Type of equipment, machinery used for manufacturing of canoes

-our canoes are hand laid, and then we use some hand tools to finish the canoes off

Details of services to be provided

-building canoes

Outdoor storage/display plan for materials, finished products.

-We may look at this for the future, but at the moment we manufacture canoes, and then deliver them to clients. We will have some canoes stored outside as we get them ready to deliver.

Type of fencing, screening, security

-the property is already partly fenced. We would complete that on the north side where it is open. We will likely have some chainlink fencing between the shop and sea can to secure the canoes.

Water volume required for the manufacturing requirements

-there's no water consumption in the creation of the canoes. It would just be before washing hands and drinking and washroom.

Recycling and Waste Management Plan for resin waste, solvents, adhesives, sawdust, parts, scrap materials, chemicals, etc

-all of our materials are hardened by the time we are getting rid of them so they just go as solid waste to the dump. Any sanding or cutting has dust collection. We will take this to the dump ourselves and might look at commercial pick up in the future

Solid Waste Management Plan (ie: garbage container, holding area, location, screening, etc.)

-unless there is garbage pick up available on site, we would continue to take it to the dump ourselves and it's just stored in garbage cans because there isn't a lot of it. This would be stored between the shop and sea can. We will likely put up some screening for garbage storage

Quality control: mitigation plans for noise, dust, spills, hazardous materials storage and environmental impacts

-All of our resin is kept inside of a sea can with a lip so that there aren't any spills. There is very little noise because most of what we do is hand layup.

Signage, provide detailed information (ie: number of signs, materials, dimensions, wording, logo, and proposed location(s))

-we will have Ridge canoes put on the side of the shop. Additionally we would like to put up a sign that says Ridge Canoes facing west onto Hwy 520

Proposed accessory building(s) with dimensions (LxWxH)

-We have a regular 40 foot sea can that would go close to our shop

Proposed use(s) for the building(s) and accessory building(s)

-storage of canoe parts and equipment

Building grade & drainage plan and landscape plan

-Both the shop and the sea can will sit on prefab cement footings. The location seems too have a swale through it to drain water. We would landscape around the drive and buildings.

Proposed utilities (ie: municipal services, power, natural gas, etc.)

-We will be getting Power, Water And Sewer hooked up and gas later

Proposed parking/loading area (number of spaces)

-We need parking for 2 vehicles that we will make when we have the driveway made

Dark Sky Plan: Exterior lighting

-we would like to have LED lights on the front and back of the shop for security

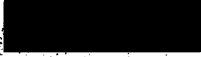
Vegetation and Weed Management Plan

-We will mow and weedwack and maintain our property

Please feel free to ask for further clarity on any of the above questions. Thank you and have a great day!

Ridge Canoes

Dave Wooldridge





UTILITY SHED PLANS

A L B E R T A - C A N A D A

GENERAL NOTES:

- MAXIMUM BRACING CODE OF CANADA 2020 AND PROVINCIAL CODE OF ALBERTA AND ALL SUPPLEMENTS AND REVISIONS/ADDENDUMS.
- ALL MATERIALS AND LABORS SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
- WINDEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCHEDULE DIMENSIONS.
- THE FOUNDATION PLAN IS A SEPARATE SET OF PLANS FOR APPROVAL BY LOCAL MUNICIPALITIES.
- EXTERIOR FINISHINGS CAN VARY BETWEEN LIMITS SHOWN @ 7'-0" +/- BUT MEMBER SPACING SHALL NOT EXCEED LIMITS AS INDICATED.
- ALL THE FOLLOWING LAMBER SHALL BE PRESERVE TREATED IN ACCORDANCE WITH ANPA USE CATEGORY U4B (GROUND CONTACT, HEAVY DUTY) SHEDS. TREATED SOUTHERN YELLOW PINE MAY BE USED AS AN APPROVED MATERIAL. (SEE PAGE 11 OF DIMENSIONS FOR APPROVAL LETTERS).
- ALL THE FOLLOWING LAMBER SHALL BE PRESERVE TREATED IN ACCORDANCE WITH ANPA USE CATEGORY U4B (EXTERIOR MOISTURE, UNGRADED OR POOR WATER RUNOFF), FLOORING, FLOORING FLOOR BEARING, AND EXTERIOR BRICK VENEER STRUCTURAL PANELS. SHEDS TREATED SOUTHERN YELLOW PINE MAY BE USED AS AN APPROVED MATERIAL.
- IF PROTECTIVE SUB-FLOORING "B" MAY BE USED IN AREA OF PRESERVE TREATED FLOORING.
- P.E. FLOORING FINISHING NOT REQUIRED WHERE THE BOTTOM OF THE FLOORING IS OVER 18" ABOVE GROUND.
- ALL FASTENERS AND CONNECTIONS IN CONTACT WITH PRESERVE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED (Z185) OR STAINLESS STEEL.
- FOR ROOFS WITH APPLIED SHINGLES AND A SLOPE BETWEEN 2 TO 12 AND 4/12 TO 12 SHALL HAVE A DOUBLE UNDERLAYMENT APPLICATION AS REQUIRED IN ACCORDANCE TO NRC2020.
- APPLIED SHINGLES SHALL CONFORM TO NRC2020.
- FASTENERS FOR APPLIED SHINGLES SHALL CONFORM TO NRC2020.
- RE-DOING SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY AND PLACEMENT OF LAMN STORAGE UNIT TO MAINTAIN THE HISTORY OF THE BUILDING AND ITS COMPONENT PARTS.
- NO FIELD JOINTS TO ANY STRUCTURAL COMPONENT OR DETAIL FROM THESE DIMENSIONS SHALL BE MADE.
- THE OWNER AND THE CONTRACTOR SHALL HOLD KNOWLEDGE THE ENGINEER FROM AND ADMIT ALL LIABILITY CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING LEGAL FEES ARISING OUT OF OR RESULTING FROM ERROR OR OMISSION IN THE PERFORMANCE OF THE WORK OF THE CONTRACTOR.
- SECTIONS AND DETAILS ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY AT ALL SIMILAR LOCATIONS, UNLESS OTHER SECTIONS AND DETAILS ARE SPECIFICALLY REFERENCED.
- REFER TO SUPPLIER FASTENING SCHEDULE FOR FASTENING BASE ON CONNECTION AND LOCATION OF MEMBERS AS PER 2020 BUILDING CODE TABLE 3.24.8.1 UNLESS NOTED OTHERWISE.
- BUILDINGS HAVE BEEN DESIGNED FOR LP SHARPSIDE PRECISION PANEL SCHED, LP SHARPSIDE PRECISION LAP SCHED SHALL NOT BE USED.
- FASTENERS IN LP SHARPSIDE PRECISION PANEL SCHED MUST NOT BE INSTALLED IN PANEL USING DRINKS IN THE FIELD OF THE PANEL SCHED OR UNDER THE PANEL USING DRINKS OCCUR AT CUT EDGES OF THE PANEL SCHED.
- REFER TO THE CC-45 EVALUATION REPORT E28-1301 FOR ADDITIONAL DATA AND SPECIFICATIONS OF LP SHARPSIDE PRECISION PANEL SCHED. APPROVAL PROJECT APPROVAL: 1803 & 1804.
- MAX OPENING WIDTHS MUST COMPLY WITH SECTION 3.24.8.1 AS PER CANADIAN NATIONAL BUILDING CODE. BUILDING HAVE DESIGNED TO HAVE ONLY OPENINGS WITH MAX WIDTHS EQUAL TO THOSE IN THE GENERAL SHEAR WALL CHART.
- THE DESIGN OF THESE BUILDINGS MEETS CANC-NRC (CANADIAN NATIONAL RESEARCH COUNCIL) AND THE PROVINCIAL BUILDING CODE.
- UNLESS NOTED OTHERWISE, ATTACH ALL MANUFACTURED PRODUCTS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- THE SPECIFIED STRENGTHS & MODULUS OF ELASTICITY VALUES OF SOUTHERN YELLOW PINE-STRUCTURAL ARE SUBSTANTIALLY HIGHER, SO THEY ARE SUITABLE TO USE AS A STRUCTURAL FLOOR JOISTS AND TRUSS FOR THE ABOVE MENTIONED PROJECTS. THE LISTING OCCURRENCES USED FOR SIP ARE EQUIVALENT TO VALUES FOR CANADIAN LUMBER SIP AS PER NBC 2.2.1.2.

NOTES:

THIS BUILDING DOES NOT HAVE BEARING WATER OR DRAINAGE SERVICES. THIS BUILDING IS DESIGNED AS A UTILITY SHED TO STORE LAMN EQUIPMENT SUCH AS WHEEL BARROWS GARDENING SUPPLIES, FLOWERS POTS, OR GARDENING HOSES WITH WHEELS SHALL BE USED.

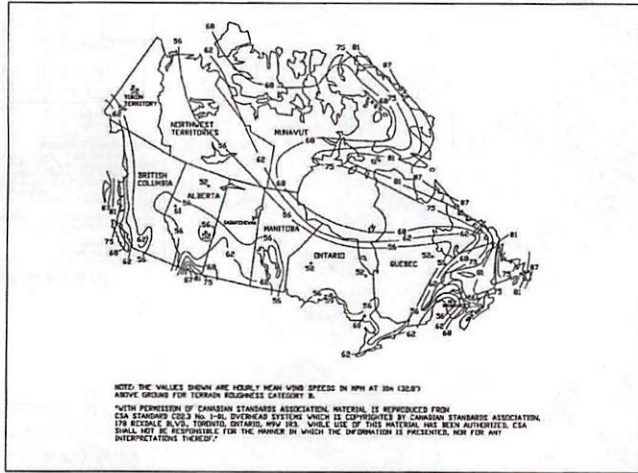
SITE INSTALLED ITEMS:

NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTIONAL APPROVAL.

- THE COMPLETE FOUNDATION SUPPORT AND RE-DRAIN SYSTEM.
- PUMPS, STAIRS, AND GENERAL ACCESS TO THE BUILDING IF NECESSARY.
- CUTTERS AND REPAIRS ON ALL BRACKETS WITH EXIST OF LESS THAN 4 INCHES HORIZONTAL PROJECTION EXCEPT FOR CABLE END BARS.



WIND CHART



DESIGN CRITERIA:

- WIND VELOCITY: 1/50 MPA, Column D1 & App C 75 mph = 134.4 pd
- BUILDING CATEGORY: I
- WIND EXPOSURE: C
- INT. PRESSURE COEFFICIENT: ±0.18
- ENCLOSURE CLASSIFICATION: ENCLOSED
- BASED ON HEIGHT: 15 FEET
- OVERHANG: NO
- FLOOR DESIGN LIVE LOAD: 20 PSF
FLOOR DESIGN DEAD LOAD: 4 PSF
- ROOF DESIGN LIVE LOAD: 20 PSF
ROOF DESIGN DEAD LOAD: 7 PSF
- WALL DESIGN DEAD LOAD: 3 PSF
- SNOW LOAD: S=0.1 (RES+D) Sx(L)max
IF S>4.4, (87 psf) SPECIAL ORDER
TRUSSES/ RAFTERS AT 12" FOR SNOW BETWEEN 67 & 85 PSF
- CONSTRUCTION TYPE: II B
- BUILDING OCCUPANCY: U
- FIRE RATING EXT. WALLS: 0
- ALLOWABLE NUMBER OF FLOORS: 1
- THE CONTRACTOR / MANUFACTURER MUST COMPLY WITH THE FOLLOWING CODES AND ALL OF THEIR AMENDMENTS / SUPPLEMENTS.
- FOR CHANGE USE FLOOR FINISH AT 50 PSF & 1.000F OVER 20 SQ. FT.

CANADA CODE SUMMARY:

LATEST BUILDING CODE 2020 - NRC2020

SHEET LIST

| SHEET NUMBER | SHEET TITLE |
|--------------|---|
| C-1 | COVER SHEET |
| C-2 | FASTENING SCHEDULE / WIND LOADING / SHEARWALL CHART |
| A-1 | FRAMING PLANS & DETAILS |
| A-2 | FRAMING PLANS & DETAILS |
| A-3 | SECTIONS |
| A-4 | PLANS & DETAILS |
| A-5 | TYPICAL DETAILS |
| A-6 | TYPICAL DETAILS |
| A-7 | OPTIONAL PORCH DETAILS |
| A-8 | TRUSS DETAILS |

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

COVER SHEET & GENERAL NOTES

DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER



ENGINEERING SERVICES PROVIDED FOR:
PREMIER PORTABLE BUILDINGS
317 EAST STATE LINE ROAD
SOUTH FULTON, TN 38257
WWW.PREMIERBUILDINGS.US

| REVISION | DESCRIPTION | DATE | BY |
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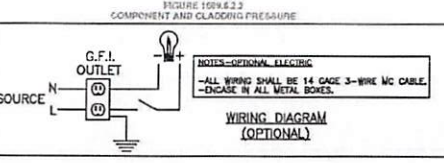
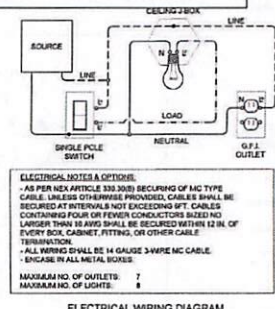
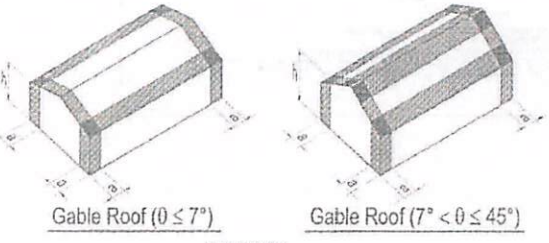
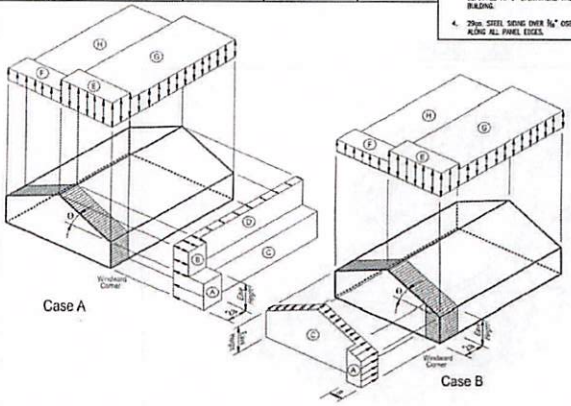
DATE: 2.13.25
PROJECT NO.: 18285
DRAWING BY: JH
CHK BY: DWG
DWG NO.: C-1

1 of 10

| FASTENING SCHEDULE (2304.9.1 MRC) | | |
|--|---|--|
| CONNECTION | FASTENING | LOCATION |
| 1. JOIST TO SILL OR ORDER | 3 - 8d COMMON (25x0.131) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | TOE-NAIL |
| 2. BRIDGING TO JOIST | 2 - 8d COMMON (25x0.131) 2 - 3x0.131 NAILS 2 - 3" 14 GAGE STAPLES | TOE-NAIL EACH END |
| 3. SOLE PLATE TO JOIST OR BRACING | 16d (35x0.135) @ 16" o/c 3x0.131 NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 12" o/c | TYPICAL FACE NAIL |
| 4. SOLE PLATE TO JOIST OR BRACING @ BRACED WALL PANEL | 3 - 16d (35x0.135) @ 16" o/c 4 - 3x0.131 NAILS @ 16" o/c 4 - 3" 14 GAGE STAPLES @ 16" o/c | BRACED WALL PANELS |
| 5. TOP PLATE TO STUD | 2 - 16d (35x0.162) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | END NAIL |
| 6. STUD TO SOLE PLATE | 4 - 8d COMMON (25x0.131) 4 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | TOE-NAIL |
| 7. STUD TO SOLE PLATE | 2 - 16d COMMON (35x0.162) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | END NAIL |
| 8. DOUBLE STUDS | 16d (35x0.135) @ 24" o/c 3x0.131 NAILS @ 8" o/c 3" 14 GAGE STAPLES @ 8" o/c | FACE NAIL |
| 9. DOUBLE TOP PLATES | 16d (35x0.135) @ 16" o/c 3x0.131 NAILS @ 12" o/c 3" 14 GAGE STAPLES @ 12" o/c | TYPICAL FACE NAIL |
| 10. BLOCKING BETWEEN JOISTS OR TRUSSES TO TOP PLATE | 8 - 16d COMMON (35x0.162) 12 - 3x0.131 NAILS 12 - 3" 14 GAGE STAPLES | LAP SPLICE |
| 11. BLOCKING BETWEEN JOISTS OR TRUSSES TO TOP PLATE | 3 - 8d COMMON (25x0.131) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | TOE-NAIL |
| 12. TOP PLATES, LAPS AND INTERSECTIONS | 2 - 16d (35x0.162) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | FACE NAIL |
| 13. CONTINUOUS HEADER (2) PIECES | 8 - 16d COMMON (35x0.162) | 16" o/c ALONG EDGE |
| 14. CONTINUOUS HEADER TO STUD | 4 - 8d COMMON (25x0.131) | TOE-NAIL |
| 15. BUILT-UP CORNER STUDS | 16d (35x0.135) @ 24" o/c 3x0.131 NAILS @ 16" o/c 3" 14 GAGE STAPLES @ 16" o/c | 0 24" o/c 0 16" o/c 0 16" o/c |
| 16. DOUBLE TOP PLATES | 20d (4x0.192) @ 32" o/c 3x0.131 NAILS @ 24" o/c 3" 14 GAGE STAPLES @ 24" o/c | FACE NAIL @ TOP & BOTTOM STAGGERED ON OPP. SIDES |
| 17. JOIST TO BRID JOIST | 2 - 20d COMMON (4x0.192) 3 - 3x0.131 NAILS 3 - 3" 14 GAGE STAPLES | FACE NAIL @ ENDS AND AT EACH SPLICE |
| 18. WOOD STRUCTURAL PANELS AND PARTICLE BOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) | 3/8" AND LESS 6d/1 2 3/8" x 0.113" NAIL 15" 16 GAGE 8d OR 3/8" TO 3/4" 2 3/8" x 0.113" NAIL 2" 15 GAGE 8d 3/8" TO 1" 10d OR 8d | |
| 19. SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAMENT TO FRAMING) | 3/8" AND LESS 6d 3/8" TO 1" 8d 1 1/8" TO 1 1/2" 10d OR 8d | |
| 20. 20ga. STEEL SKING (TO FRAMING) | 3/8" OR LESS 6d 3/8" | NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES |
| 21. FIBERBOARD SHEATHING | 3/8" NO. 11 GAGE ROOFING NAIL 6d COMMON NAIL (2x0.113) NO. 16 GAGE STAPLE 3/8" NO. 11 GAGE ROOFING NAIL 6d COMMON NAIL (25x0.131) NO. 16 GAGE STAPLE | |

| SHEARWALL CHART | | | | |
|-----------------|---------------------------|-------------------------|-------------------------|-------------------------|
| BUILDING WIDTH | OPENING WIDTHS IN ENDWALL | MAX. LENGTH OF BUILDING | | |
| | | 1 1/2" T1-11 | 3/4" LP SMARTSIDE PANEL | ALUMINUM OVER 3/16" OSB |
| 8'-0" | 3'-0" MAX | 40'-0" | 20'-0" | 40'-0" |
| 10'-0" | 3'-0" MAX | 60'-0" | 30'-0" | 60'-0" |
| 11'-2" | 3'-0" MAX | 60'-0" | 16'-0" | 60'-0" |
| 14'-0" | 3'-0" MAX | 60'-0" | 30'-0" | 60'-0" |
| | 6'-0" | 60'-0" | 24'-0" | 60'-0" |
| | 10'-0" | 60'-0" | 12'-0" | 60'-0" |
| 16'-0" | 3'-0" MAX | 60'-0" | 40'-0" | 60'-0" |
| | 6'-0" MAX | 60'-0" | 20'-0" | 60'-0" |
| | 12'-0" | 60'-0" | 30'-0" | 60'-0" |

- COMMON OR BOX NAIL ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
- NAILS SPACED @ 6" o/c AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 4" AT SUPPORTS WHERE STUDS ARE 4E" ON-CENTRE. FOR NAILS ON BRACED STRUCTURAL PANELS AND PERFECTLY SQUARE BRACING AND SHEAR WALLS, REFER TO SECTION 2304.9.1 FOR NAIL SPACING. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CORN.
- COMMON OR DEFORMED SHANK (8d - 2x0.113, 8d-2x0.113, 10d 2x0.147).
- COMMON (2d - 2x0.117, 2d-2x0.117, 10d 2x0.147).
- DEFORMED SHANK (14d-2x0.135, 16d 2x0.135, 16d 2x0.147).
- CORROSION-RESISTANT STAPLES (25x0.135) OR COATING (ECCO) (25x0.135) 3" x 1/2" NAIL.
- FASTENERS SPACED 2" o/c AT EXTERIOR EDGES AND 4" o/c AT INTERMEDIATE SUPPORTS WHEN USED AS STRUCTURAL SHEATHING.
- CORROSION-RESISTANT ROOFING NAILS w/ 3/32" SHANK HEAD AND 1 1/2" LENGTH FOR 3" SHEATHING AND 1 1/2" LENGTH FOR 7/8" SHEATHING.
- CORROSION-RESISTANT STAPLES WITH MINIMUM 3/4" CROWN OR 1" CROWN AND 1 1/2" LENGTH FOR 3" SHEATHING AND 1 1/2" LENGTH FOR 7/8" SHEATHING. PANEL SPACING @ 16" o/c 1/2" o/c IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE NOTED.
- FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (25x0.117) ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 3/4".
- FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" o/c AT EDGES, 8" o/c AT INTERMEDIATE SUPPORTS.
- FASTENERS SPACED 4" o/c AT EDGES, 8" o/c AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 2" o/c AT EDGES, 6" o/c AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
- FASTENERS SPACED 4" o/c AT EDGES, 8" o/c AT INTERMEDIATE SUPPORTS.
- 7/8" T1-11 SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.
- 3/4" LP SMARTSIDE SHALL BE FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.
- LATHING ON THE TOTAL OPENING DIMENSION SHALL BE BASED ON THE SHEAR WALL HEIGHT TO WITHIN 1/8" OF 2.51 AND SHALL NOT EXCEED 1/3 OF TOTAL LENGTH OF BUILDING. NAILS IN SHEAR WALLS SHALL BE COMMON OR DEFORMED AT 6" INTERVALS WHEN TOTAL OPENING WIDTHS IN SHEAR WALL ARE LESS THAN 1/3 OF TOTAL LENGTH OF BUILDING.
- 20ga. STEEL SKING OVER 3/8" OSB FASTENED USING 8d COMMON OR DEFORMED NAILS @ 6" o/c IN FIELD AND 3" o/c ALONG ALL PANEL EDGES.



AREA FOR APPROVAL STAMPS

PROJECT: UTILITY SHED

FASTENING SCHEDULE / WIND LOADING

DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER

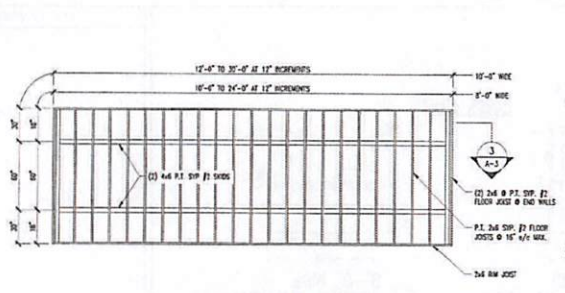
ALTERNATE DESIGN SOLUTIONS
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SOUTH FULTON, IN 48257
WWW.ALTERNATEDESIGNSOLUTIONS.COM

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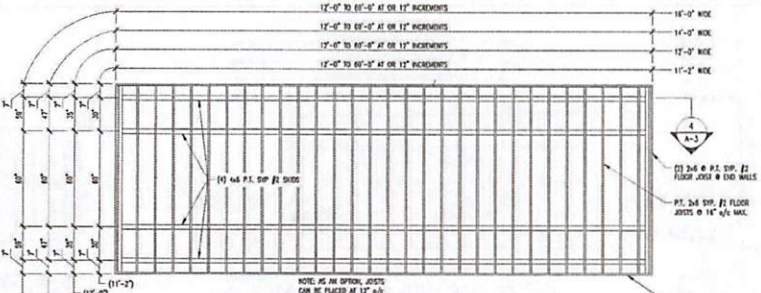
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PROJECT NO.: 18285
DRAWING BY: JH
CHK BY: DVG
DWG NO.: C-2

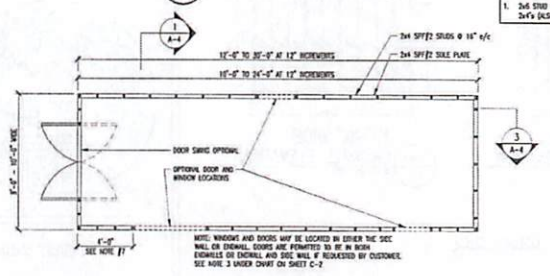
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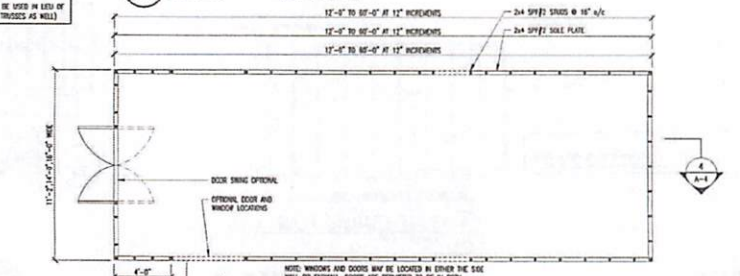
1 8'-0" & 10'-0" WIDE FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" (DO NOT SCALE DRAWING)



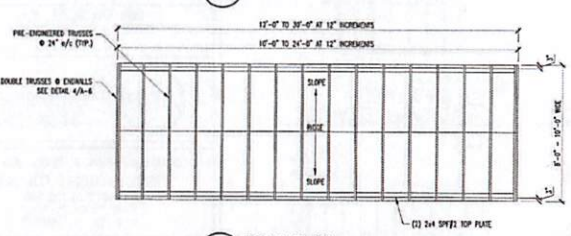
2 11'-2", 12'-0", 14'-0" & 16'-0" WIDE FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0" (DO NOT SCALE DRAWING)



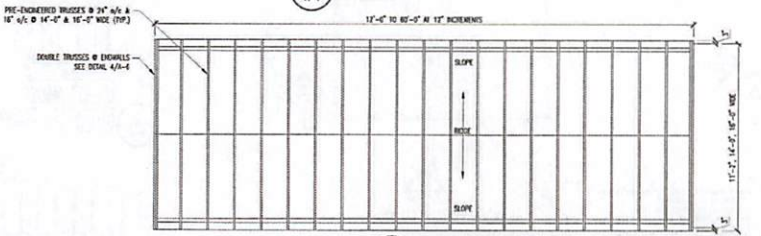
3 FLOOR DECK PLAN
SCALE: 1/4"=1'-0"



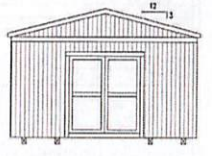
4 FLOOR DECK PLAN
SCALE: 1/4"=1'-0"



5 ROOF PLAN
SCALE: 1/4"=1'-0"

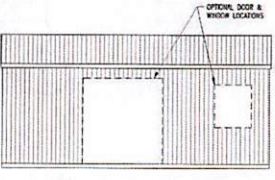


6 ROOF PLAN
SCALE: 1/4"=1'-0"

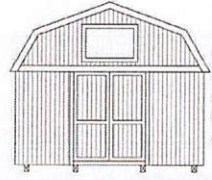


7 GABLE ENDWALL ELEVATION
SCALE: 1/4"=1'-0"

- NOTE:
1. DOUBLE WALL STUDS SHALL BE PROVIDED AS PER FASTENING SCHEDULE PROVIDED.
 2. SEE 1/A-3 FOR CORNER STUD DETAIL.
 3. FOR ALL FASTENING NOT SHOWN, SEE FASTENING SCHEDULE ON SHEET C-2.
 4. AS AN OPTION, STUDS CAN BE PLACED @ 16" o/c.
 5. ALL BRACING w/ TRUSSES AND STUDS 7'-0" o/c.
 6. CORN ONLY USE SINGLE TOP PLATE.
 7. STUDS SHALL FALL IN LINE w/ TRUSSES.
 8. STUDS @ 16" o/c FOR FISH 4" FOR ALL CORNERS.

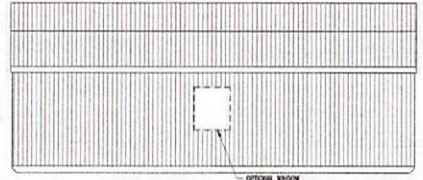


8 SIDEWALL ELEVATION
SCALE: 1/4"=1'-0"



9 GAMBREL ENDWALL ELEVATION
SCALE: 1/4"=1'-0"

- NOTE:
1. DOUBLE WALL STUDS SHALL BE PROVIDED AS PER FASTENING SCHEDULE PROVIDED.
 2. SEE 1/A-3 FOR CORNER STUD DETAIL.
 3. FOR ALL FASTENING NOT SHOWN, SEE FASTENING SCHEDULE ON SHEET C-2.
 4. AS AN OPTION, STUDS CAN BE PLACED @ 16" o/c.



10 SIDEWALL ELEVATION
SCALE: 1/4"=1'-0"

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

CABLE & GAMBREL SHEDS FLOOR DECK FRAMING PLANS & DETAILS

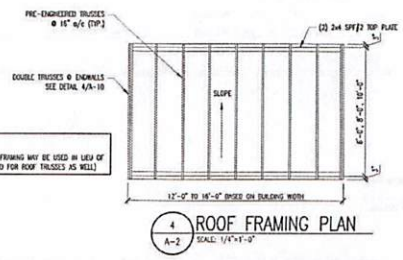
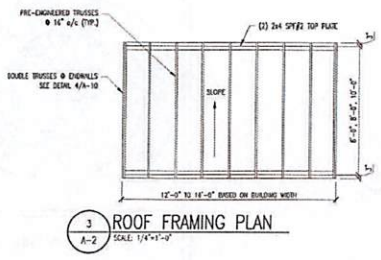
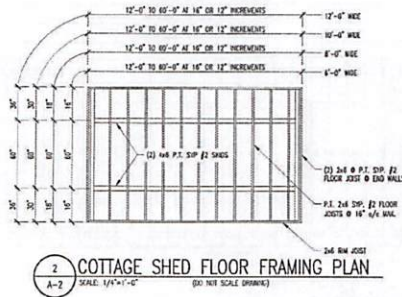
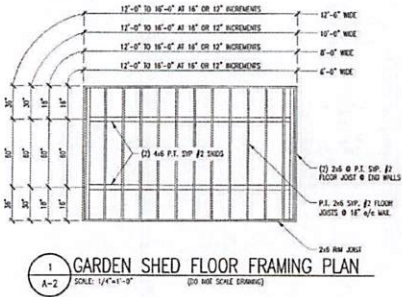
DON VAN GERVE, P.E. SPECIALTY STRUCTURAL ENGINEER



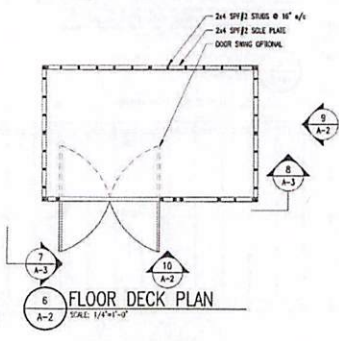
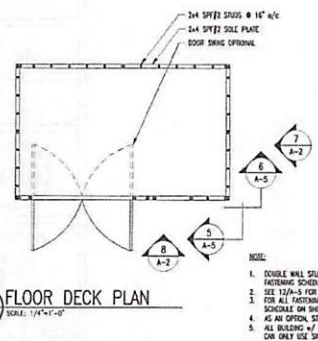
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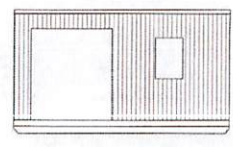
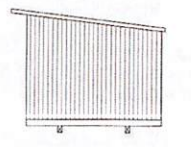
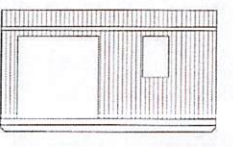
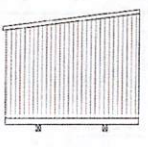
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PROJECT NO.: 18285
DRAWING BY: JH
CHK BY: DVC
DWG NO.: A-1



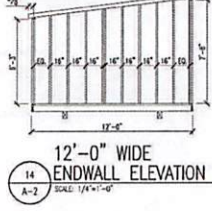
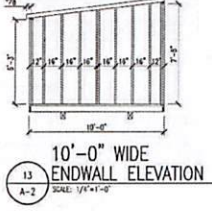
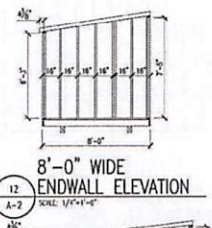
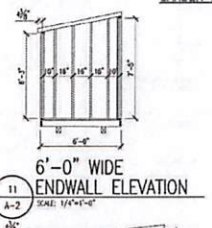
NOTE:
1. 2x4 STUD FRAMING MAY BE USED IN LIEU OF 2x4'S (ALSO FOR ROOF TRUSSES AS WELL)



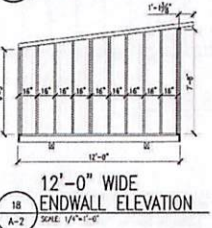
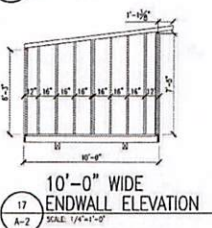
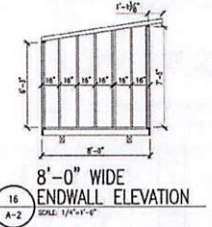
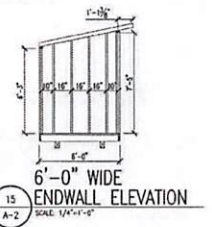
NOTE:
1. DOUBLE WALL STRUSS SHALL BE FASTENED AS PER FASTENING SCHEDULE PROVIDED.
2. SEE 12/A-3 FOR CORNER SOLE DETAIL.
3. FOR ALL FASTENING NOT SHOWN, SEE FASTENING SCHEDULE ON SHEET 12-A-2.
4. AS AN OPTION, STRUSS CAN BE PLACED @ 18" o/c.
5. ALL BUILDING W/ TRUSSES AND STRUSS 2'-0" o/c OR ONLY ONE SINGLE TOP PLATE.
6. STRUSS SHALL FALL IN LINE W/ TRUSSES.



GARDEN SHED



COTTAGE SHED



AREA FOR APPROVAL STAMPS

PROJECT: UTILITY SHED

GARDEN & COTTAGE SHEDS
FLOOR DECK FRAMING PLANS & DETAILS

DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER

ADS ALTERNATE DESIGN SOLUTIONS
PROFESSIONAL ENGINEER
PHONE: 255.335.4554
WWW.ALTERNATEDESIGN SOLUTIONS.COM

ENGINEERING SERVICES PROVIDED FOR:
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SOUTH FLORIDA, FL 38257
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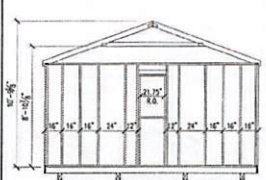
| REVISION | DESCRIPTION | DATE | BY |
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DATE: 2-13-25
PROJECT NO.: 18295
DRAWING BY: JH
CHK BY: DVG
DWG NO.: A-2

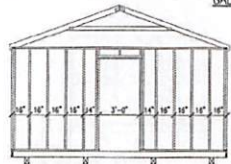
| REVISION | DESCRIPTION | DATE | BY |
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DATE: 2-13-25
PROJECT NO.: 18295
DRAWING BY: JH
CHK BY: DVG
DWG NO.: A-2

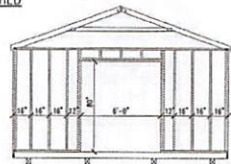
4 of 10



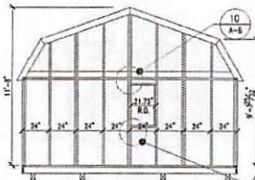
1
A-4
16'-0" WIDE w/ WINDOW
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



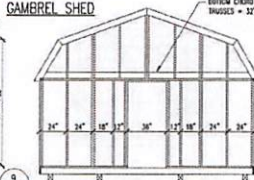
2
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



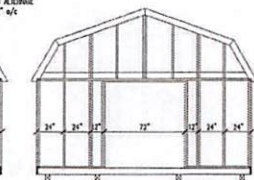
3
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



4
A-4
16'-0" WIDE w/ WINDOW
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



5
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"

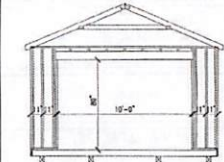


6
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"

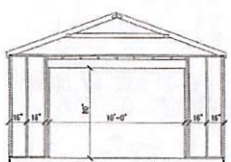
CABLE SHED

GAMBREL SHED

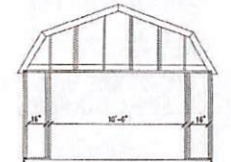
BUTTON CHAIR ALONGSIDE
BUNGLES = 2" o/c



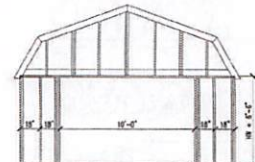
7
A-4
14'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



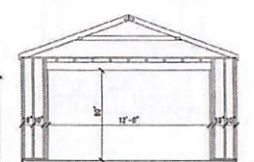
8
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



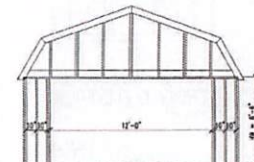
9
A-4
14'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



10
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



11
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"



12
A-4
16'-0" WIDE w/ DOOR
ENDWALL ELEVATION
SCALE: 1/4"=1'-0"

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

SECTION CUTS
CRAFTSMAN & TOOL SHED

DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER

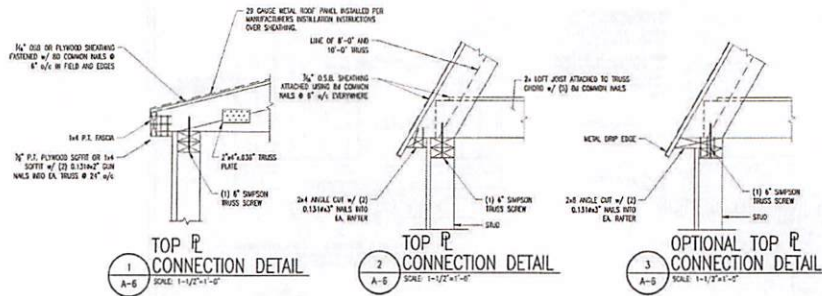


ENGINEERING SERVICES PROVIDED FOR:
PREMIER PORTABLE BUILDINGS
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SOUTH FULTON, TN 38257
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DATE: 2.13.25
PROJECT NO.: 16205
DRAWING BY: JH
CHK BY: DVG
DWS NO.:

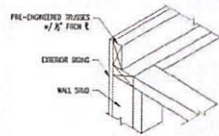
A-4



1 TOP CONNECTION DETAIL
SCALE: 1-1/2"=1'-0"

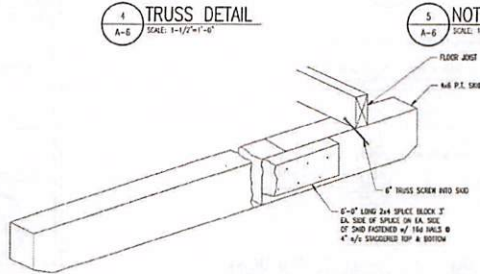
2 TOP CONNECTION DETAIL
SCALE: 1-1/2"=1'-0"

3 OPTIONAL TOP CONNECTION DETAIL
SCALE: 1-1/2"=1'-0"

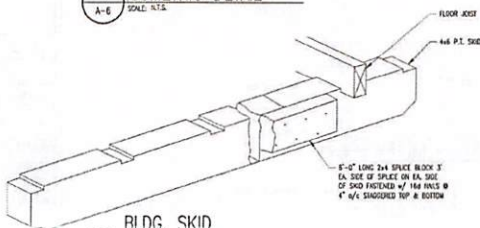


4 TRUSS DETAIL
SCALE: 1-1/2"=1'-0"

5 NOT USED
SCALE: 1-1/2"=1'-0"

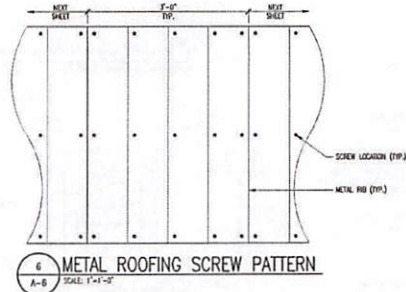


7 OPTIONAL BLDG. SKID ISOMETRIC DETAIL
SCALE: N.T.S.

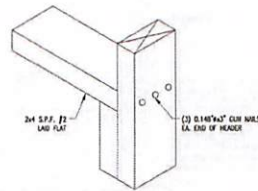


8 BLDG. SKID ISOMETRIC DETAIL
SCALE: N.T.S.

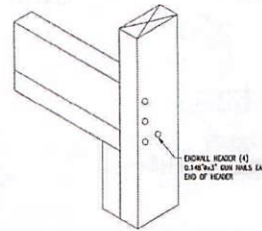
NOTES:
1. SEE NOTES ON SHEETS A-1 & A-2 FOR ANY INFORMATION NOT SHOWN HERE.
2. SEE FINISHING SCHEDULE FOR ALL FINISHING NOT NOTED ON THIS SHEET.



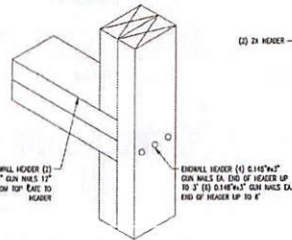
6 METAL ROOFING SCREW PATTERN
SCALE: 1"=1'-0"



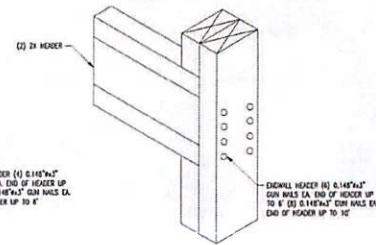
9 WINDOW SILL DETAIL
SCALE: N.T.S.



10 WINDOW HEADER WITHOUT STRAP DETAIL
SCALE: N.T.S.



11 ENDWALL HEADER DETAIL
SCALE: N.T.S.



12 HEADER DETAIL
SCALE: N.T.S.

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

TYPICAL DETAILS

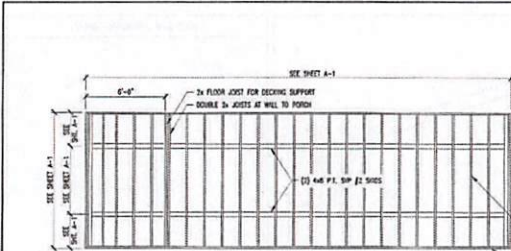
DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER



ENGINEERING SERVICES PROVIDED FOR:
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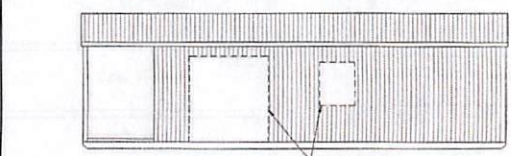
DATE: 2.13.25
PROJECT NO.: 18285
DRAWING BY: JH
CHK. BY: DVG
DWG NO.: A-6



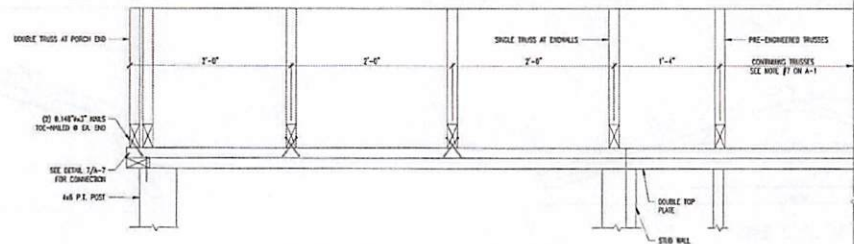
1 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"
(DO NOT SCALE DRAWING)



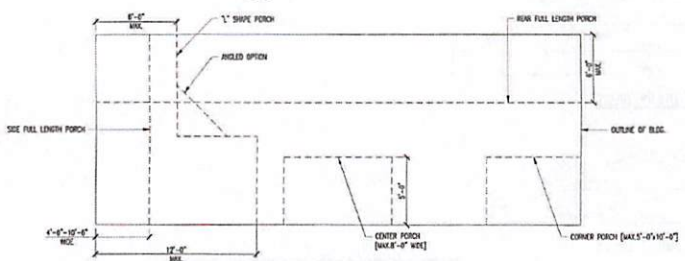
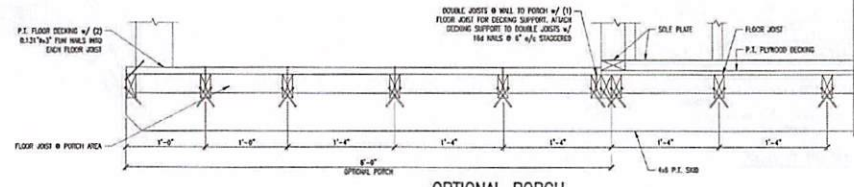
2 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"
(DO NOT SCALE DRAWING)



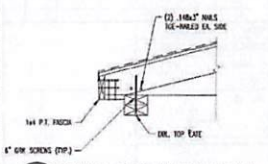
3 SIDEWALL ELEVATION
SCALE: 1/4"=1'-0"



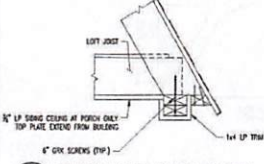
4 OPTIONAL PORCH SECTION DETAIL
SCALE: 1-1/2"=1'-0"



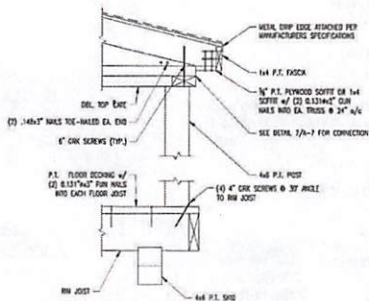
8 BUILDING PORCH OPTIONS
SCALE: 1/4"=1'-0"
(DO NOT SCALE DRAWING)



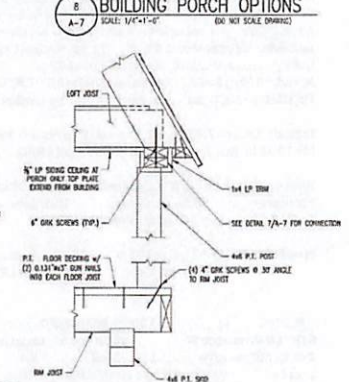
5 PORCH TOP PLATE DETAIL
SCALE: 1-1/2"=1'-0"



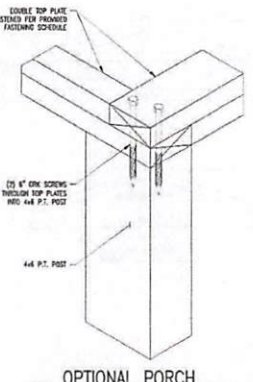
5a PORCH TOP PLATE DETAIL
SCALE: 1-1/2"=1'-0"



6 POST TO RIM JOIST DETAIL
SCALE: 1-1/2"=1'-0"



6a POST TO RIM JOIST DETAIL
SCALE: 1-1/2"=1'-0"



7 OPTIONAL PORCH POST TO TOP PLATE DETAIL
SCALE: 1:1.5

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

OPTIONAL PORCH PLANS, SECTIONS & DETAILS

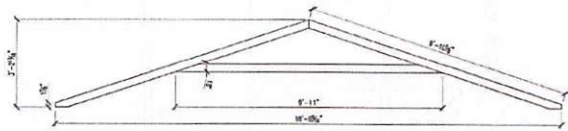
DON VAN GERVE, P.E.
SPECIALTY STRUCTURAL ENGINEER

ADS ALTERNATE DESIGN SOLUTIONS
PHONE: 215.305.8184
WWW.ALTERNATEDESIGNSOLUTIONS.COM

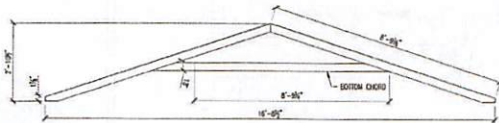
ENGINEERING SERVICES PROVIDED FOR:
PREMIER PORTABLE BUILDINGS
317 EAST STATE LINE ROAD
SOUTH FULTON, IN 38257
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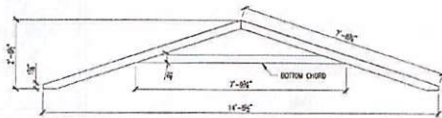
DATE: 2.13.25
PROJECT NO.: 18285
DRAWING BY: JH
CHK BY: DVC
DWG NO.: A-7



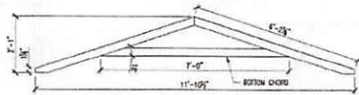
18' UTILITY TRUSS



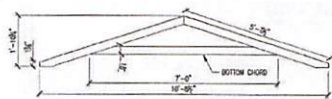
16' UTILITY TRUSS



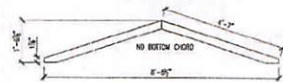
14' UTILITY TRUSS



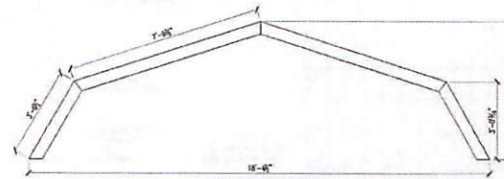
12' UTILITY TRUSS



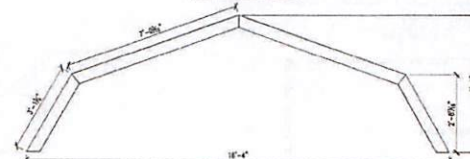
10' UTILITY TRUSS



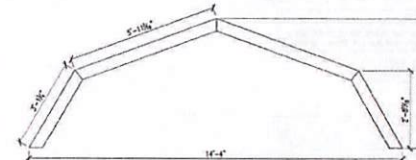
8' UTILITY TRUSS



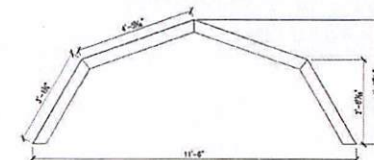
18' LOFTED TRUSS



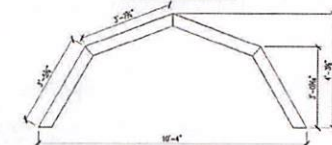
16' LOFTED TRUSS



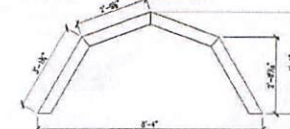
14' LOFTED TRUSS



12' LOFTED TRUSS



10' LOFTED TRUSS



8' LOFTED TRUSS

TRUSS DESIGN: LRFD V=180mph
 Design based : the NATIONAL BUILDING CODE OF CANADA 2020.
 Provincial Building Code, current. With reference to
 ASCE 7-22; 83 psf uplift x 0.85(Kd) x 0.85(Kh expC) = 60 psf uplift.
 add internal pressure 18% = 71 psf design (LRFD)
 Utility: Lmax=5.25 ft. 2x4@24"; w=142 plf
 M=wL^2/8x12=5871 in-lbs; s=3.06in^3; fb=1919psi
 Fb(LRFD)=3000 psi - this value is met by lumber.

Lofted: Lmax=7.01 ft; 16' truss@16" o/c; w= 95 plf;
 M=7002 in-lbs; fb= 2288 psi < 3000 psi LRFD

Wall Calculations: 5/8" LP nailed 6" edges, 10" interior, 2x4x7ft@16"o/c;
 Pressure= 58.1 psfExternal= 10.5 psfInternal Total p= 68.6
 I=18.74 in^4 per 16" o/c; S=6.03 in^3. psf

M=68.6(1.33)(7^2)/8 x(12) = 6657.1 in-lbs;
 fb= 1104 psi < 3000 psi LRFD OK

FLOOR 100 PSF REQ'D
 5/8" LP Prostruct Fl 16 in spans; capacity = 150 psf min
 2x6 @ 16"; w plf= 133.33 plf S= 7.56 in^3
 Lmax= 6 ft; use simple span; Mb= 7200 in-lbs
 fb= 952.07 psi Fb of lumber >= 1000 psi OK

AREA FOR APPROVAL STAMPS



PROJECT: UTILITY SHED

TRUSS DETAILS

DON VAN GERVE, P.E.
 SPECIALTY STRUCTURAL ENGINEER



ENGINEERING SERVICES PROVIDED FOR:
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DATE: 2.13.25
 PROJECT NO.: 18285
 DRAWING BY: JH
 CHK BY: DVG

DWG NO.: A-8