1847.00

**TOWN OF HIGH LEVEL**
**DEVELOPMENT PERMIT**

| | |
|---|---|
| **PERMIT NO.:** | **DP25-018** |
| **PROPOSED USE:** | **Permitted Use – 240 ft2 Storage Shed (Accessory Building or Structure)** |
| **APPLICANT:** | **Kyle & Shirley Johnson** |
| **LANDOWNER:** | **Same** |
| **LOCATION:** | **Lot 29, Block 44, Plan 072 6692** |

**A development involving Application No. DP25-018 has been Approved with Conditions.**

1. **The site shall be developed in accordance with the site drawings and information attached hereto as Schedule A.**

2. **Development must be commenced within one (1) year from the Date of Issue. If at the expiry of this period, the development has not commenced, this Permit shall be null and void.**

3. **The Applicant/Registered Owner shall ensure there is no damage to municipal property resulting from this permit. Costs for repairs of municipal property will be assessed by the Town of High Level and will be charged back to the applicant.**

You are hereby authorized to proceed with the development specified, provided that any stated conditions are complied with, that all other applicable permits are obtained, and that the appropriate appeal period has been exhausted. Should an appeal be made against this decision to the Subdivision and Development Appeal Board, this Development Permit shall not come into effect until the appeal has been determined and the Permit upheld, modified or nullified.

DATE OF DECISION OF DEVELOPMENT PERMIT: **July 11, 2025**

DATE OF ISSUE OF DEVELOPMENT PERMIT: **July 11, 2025**

DATE OF VALIDITY OF DEVELOPMENT PERMIT: **August 2, 2025**

SIGNATURE OF DEVELOPMENT AUTHORITY: _____

Viv Thoss

NOTES:

1. If the development is found to be incorrectly placed, the applicant may be required to move or remove the development at the sole expense of the Applicant/Registered Owner. Any changes to the attached plans will require a new development permit.

2. An appeal can be made by filing a written notice of appeal along with payment to the **Subdivision and Development Appeal Board (10511 103rd Street, High Level, AB, T0H 1Z0)** within 21 days from the date of the receipt of this decision. In the case of an appeal made by a person referred to in section 685(2) of the *Municipal Government Act*, within 21 days after the date on which the notice of the issuance of the permit was given.

3. **This is a Development Permit ONLY.** Issuance of this Permit does not excuse the applicant from satisfying all other applicable municipal, provincial and/or federal requirements.

**OTHER PERMITS ARE REQUIRED**

In the interest of public safety and as required by the Safety Codes Act construction permits must be obtained before commencing any work. Required permits may include building, electrical, gas, plumbing, and private sewage. Additionally, the Town of High Level requires permits for water & sewer connection, new accesses, and driveways.

**PLEASE NOTE**

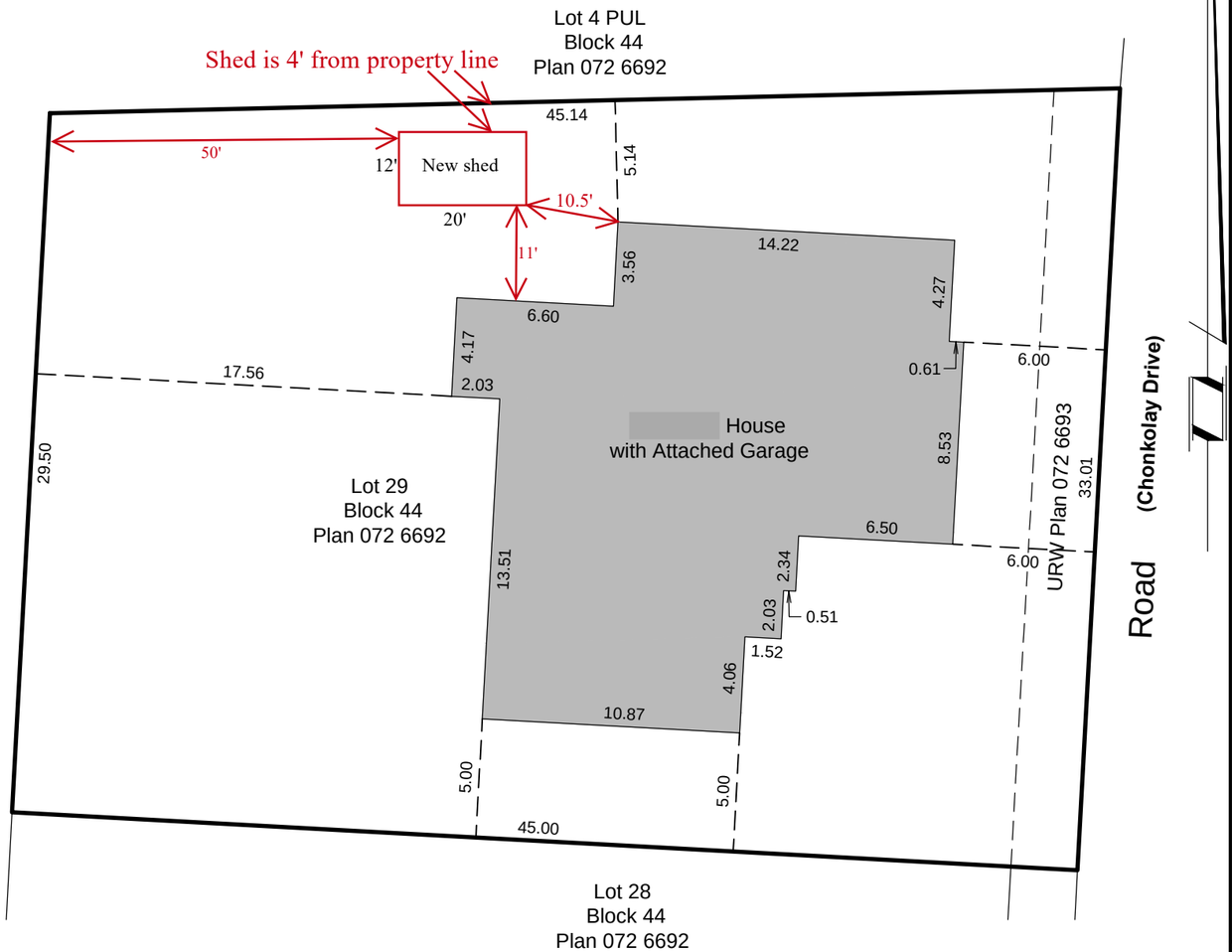
The Applicant and/or Registered Owner are responsible for applying for, and receiving, all necessary permits prior to beginning construction. Ensure that you or your contractors obtain all other required permits related to the development. For more information regarding how to obtain the required permits, contact Superior Safety Codes 1-866-999-4777. If you are unsure which additional municipal permits you may need, please contact development@highlevel.ca.

**SCHEDULE A**

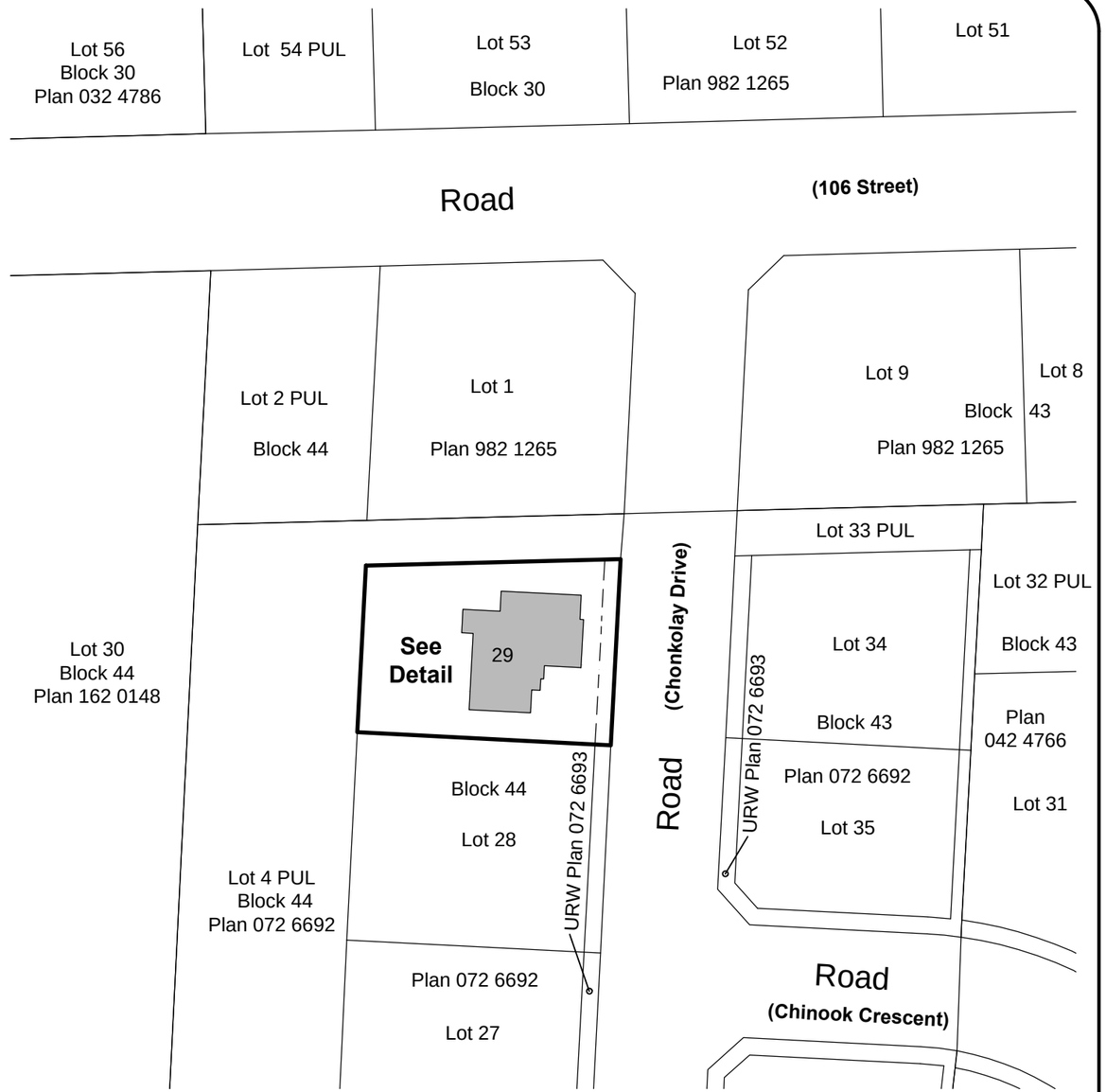
Approved July 11, 2025

(11 pages)

Viv Thoss
Development Authority




**Detail**
**Scale 1:400**




Date: April 27, 2016

Sketch Plan Showing

PLOT PLAN

of

Lot 29, Block 44, Plan 072 6692

within

N.E. 1/4 Sec.31 Twp.109 Rge.19 W.5 M.

Town of High Level

Alberta

0 10 20 40 60 meters

Scale = 1:1000

LEGEND & NOTES

1. All dimensions are in meters and decimals thereof.
2. Land is zoned R-1.

Registered Owners

Kyle Johnson

Shirley Johnson

WSP SURVEYS (AB)
LIMITED PARTNERSHIP
#3, 8909 - 96 Street, Peace River, AB. T8S 1G8
Phone: 780-624-5631 Fax: 780-624-3732

JOB No. 010056196

DWG.NO. 010056196-PP01-R00

Ck'd By: ROM | Dwn: LN

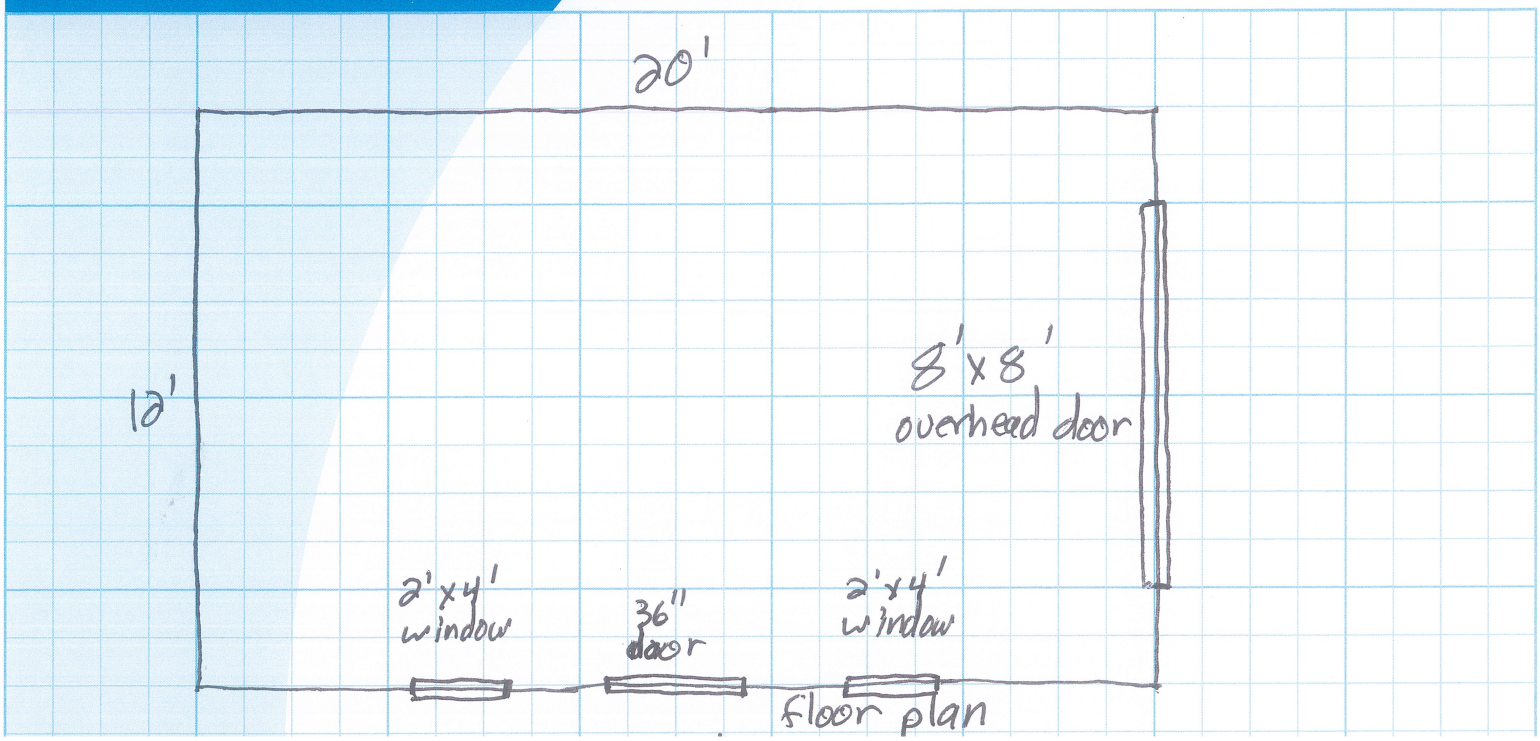
A.L.S.: Ross Metcalfe

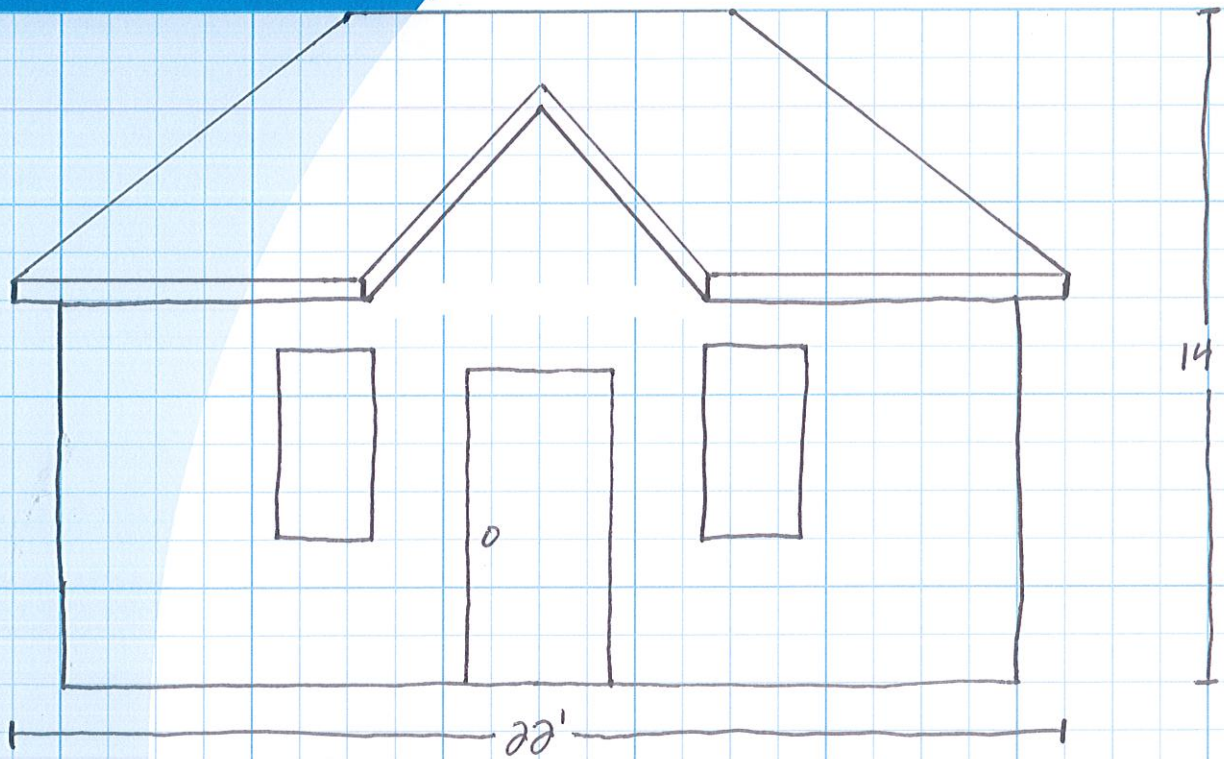
DP25-018 (MPS-25-083)

EECOL ELECTRIC

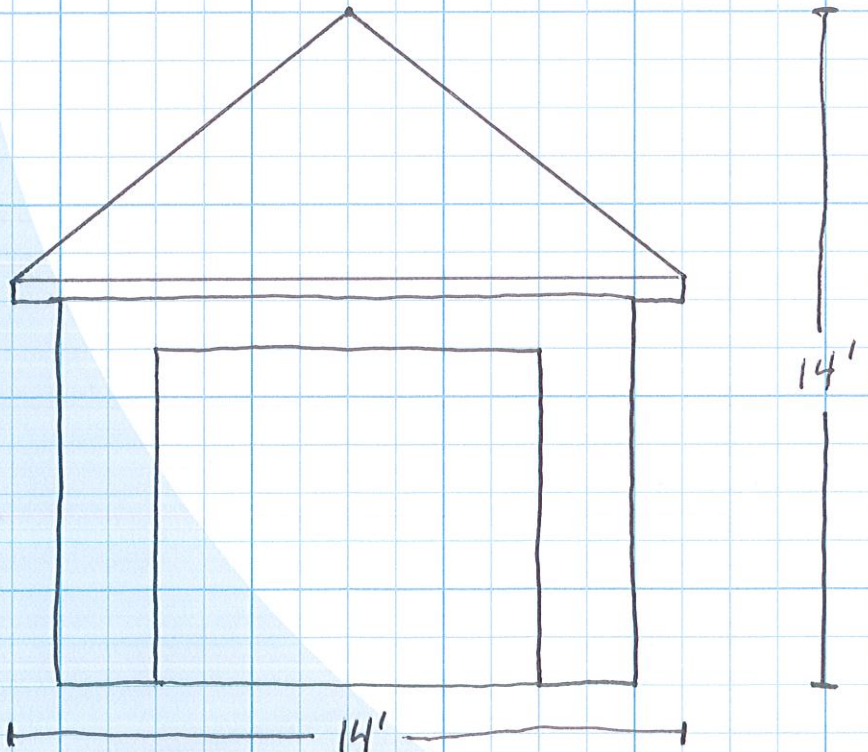
www.eecol.com

CANADA
SOUTH AMERICA
ISO 9001



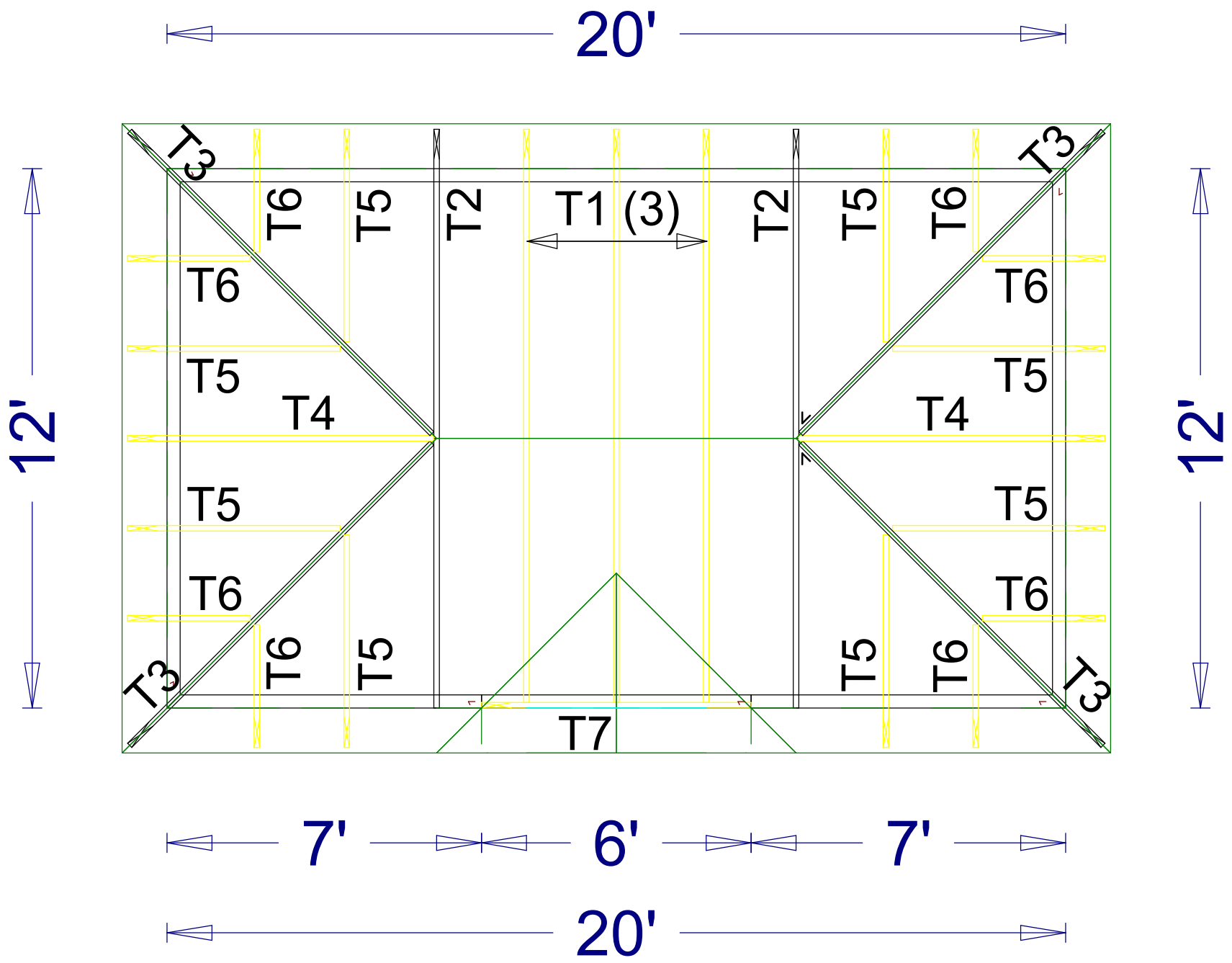



South Elevation




East Elevation

DP25-018 (MPS-25-083)



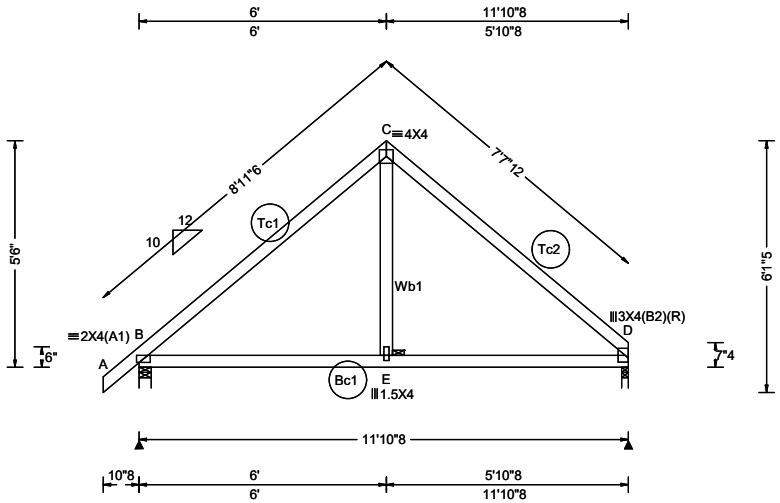

Description: Kyle Johnson 12' x 20' H.
Address:
Designed By: David Krahn
Date Printed: 06-20-2025

JOB NO:
Q25-3597-



PAGE NO:
1 OF 1

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T1 | Ply: 1<br>Qty: 3<br>Wgt: 49.0 lbs | SEQN: 24833 / T1 / COMN<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: Yes
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection | in | loc | L/defl | L/D |
|---|---|---|---|---|
| VERT(LL): | 0.008 | E | 999 | 360 |
| VERT(TL): | 0.010 | E | 999 | 360 |
| HORZ(LL): | 0.004 | D | - | - |
| HORZ(TL): | 0.005 | D | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.48
Max BC CSI: 0.17
Max Web CSI: 0.03

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;
Webs: 2x4 SPF 1650Fb-1.5E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 120 | 0.00 | 11.87 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.12 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

**▲ Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 3"8 | / 1"8 | / Truss |
| D | 8' | / 2" | / 1"8 | / Truss |

Bearings B & D are a rigid surface.

**▲ Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 390 | / 0 | / 124 | / 740 | / 0 | / |
| D | / 336 | / 0 | / 118 | / 653 | / 0 | / |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 52 | 0 | C - D | 0 | -696 |
| B - C | 0 | -697 | | | |

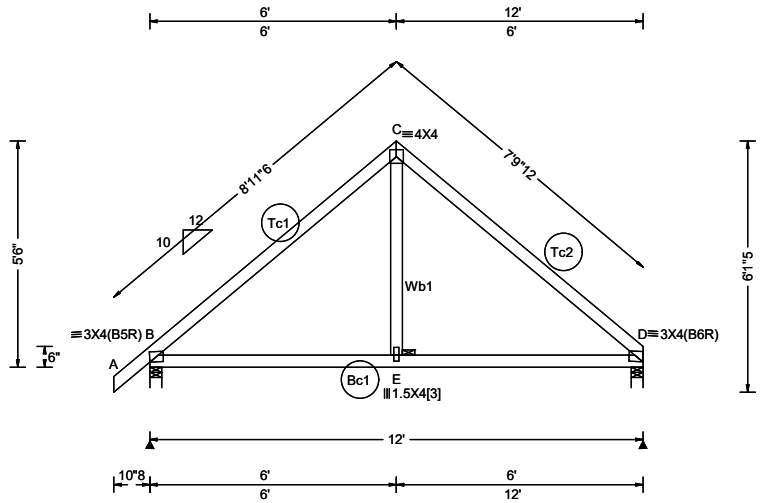
**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - E | 387 | 0 | E - D | 387 | 0 |

**Maximum Web Forces Per Ply (lbs)**

| Webs | Tens. | Comp. |
|---|---|---|
| C - E | 144 | 0 |

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T2 | Ply: 1<br>Qty: 2<br>Wgt: 51.8 lbs | SEQN: 24830 / T4 / COMN<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: No
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection | in | loc | L/defl | L/D |
|---|---|---|---|---|
| VERT(LL): | 0.016 | E | 999 | 360 |
| VERT(TL): | 0.022 | E | 999 | 360 |
| HORZ(LL): | 0.007 | D | - | - |
| HORZ(TL): | 0.010 | D | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.60
Max BC CSI: 0.21
Max Web CSI: 0.07

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;
Webs: 2x4 SPF 1650Fb-1.5E;

**Special Loads**

Resid.Ld[3SL]- 3
(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

| | From | S/ | L/ | W/ | D plf | To | S/ | L/ | W/ | D plf |
|---|---|---|---|---|---|---|---|---|---|---|
| TC: | -0.88 | 57/ | 0/ | 0/ | 6 | 12.00 | 57/ | 0/ | 0/ | 6 |
| BC: | 0.00 | 0/ | 0/ | 0/ | 0/14 | 12.00 | 0/ | 0/ | 0/ | 0/14 |

TC: 142/0/0/19 lb Conc. Load at 5.95
BC: 185/0/0/118 lb Conc. Load at 5.95

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|---|---|---|---|---|---|---|---|
| [ 3] | 1.5X4 | S | 1.75 | | | | |

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 120 | 0.00 | 12.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.9 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

**▲Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 3"8 | / 1"8 | / Truss |
| D | 8' | / 3"8 | / 1"8 | / Truss |

Bearings B & D are a rigid surface.

**▲Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 558 | / 0 | / 194 | / 1081 | / 0 | / |
| D | / 502 | / 0 | / 187 | / 988 | / 0 | / |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 52 | 0 | C - D | 0 | - 1208 |
| B - C | 0 | - 1213 | | | |

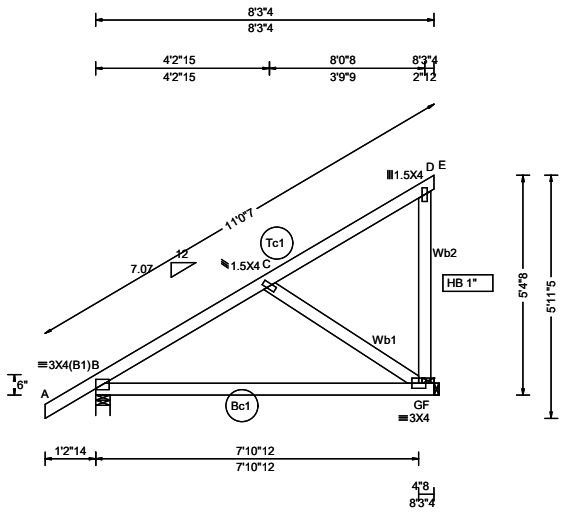
**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - E | 778 | 0 | E - D | 778 | 0 |

**Maximum Web Forces Per Ply (lbs)**

| Webs | Tens. | Comp. |
|---|---|---|
| C - E | 552 | 0 |

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T3 | Ply: 1<br>Qty: 4<br>Wgt: 44.8 lbs | SEQN: 24827 / T11 / HIP_<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**▲ Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 4"3 | / 1"8 | / Truss |
| F | 8' | / 1"8 | / - | / - |

Bearing B is a rigid surface.

**▲ Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 162 | / 0 | / 69 | / 329 | / 0 | / |
| F | / 162 | / 0 | / 77 | / 340 | / 0 | / |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 29 | 0 | C - D | 34 | - 127 |
| B - C | 0 | - 355 | D - E | 0 | 0 |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - G | 290 | 0 | G - F | 0 | 0 |

**Maximum Web Forces Per Ply (lbs)**

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - G | 0 | - 347 | D - G | 0 | - 67 |

**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: No
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection | in | loc | L/defl | L/D |
|---|---|---|---|---|
| VERT(LL): | 0.007 | C | 999 | 360 |
| VERT(TL): | 0.010 | C | 999 | 360 |
| HORZ(LL): | 0.003 | C | - | - |
| HORZ(TL): | 0.004 | C | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.21
Max BC CSI: 0.36
Max Web CSI: 0.07

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;
Webs: 2x4 SPF 1650Fb-1.5E;

**Special Loads**

Resid.Ld[1D ]- 1
(Lumber Dur.Fac.=0.65 / Plate Dur.Fac.=0.65)

| | From | S/ L/ W/ D plf | To | S/ L/ W/ D plf |
|---|---|---|---|---|
| TC: | -1.24 | 0/ 0/ 0/ 0 | -0.00 | 0/ 0/ 0/ 6 |
| TC: | -0.00 | 0/ 0/ 0/ 2 | 8.27 | 0/ 0/ 0/ 2 |
| BC: | 0.00 | 0/ 0/ 0/ 2 | 8.27 | 0/ 0/ 0/ 2 |

TC: 0/0/0/11 lb Conc. Load at 2.66
TC: 0/0/0/25 lb Conc. Load at 5.49
BC: 0/0/0/23 lb Conc. Load at 2.66
BC: 0/0/0/51 lb Conc. Load at 5.49

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 99 | 0.00 | 8.27 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

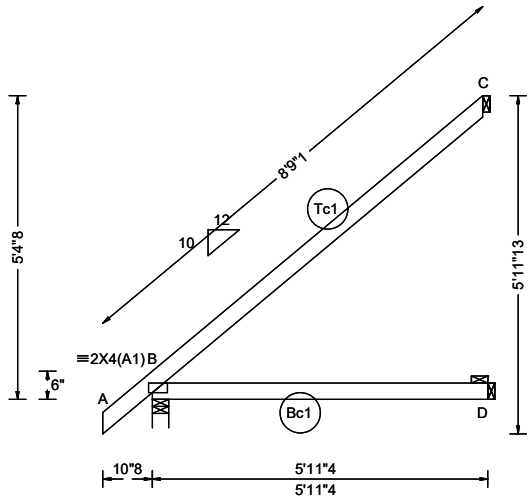
Interaction equation as per Clause 6.5.9 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

Refer to Detail A107 for standard jack connection details and limitations.

R/E vertical may not be exposed to horiz. wind pressure.

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T4 | Ply: 1<br>Qty: 2<br>Wgt: 22.4 lbs | SEQN: 24814 / T3 / JACK<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**▲Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 3"8 | / 1"8 | / Truss |
| C | 13'1" | / 1"8 | / - | / - |
| D | 8' | / 1"8 | / - | / - |

Bearing B is a rigid surface.

**▲Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 220 | / 0 | / 64 | / 411 | / 0 | / |
| C | / 141 | / 0 | / 19 | / 236 | / 0 | / |
| D | / 20 | / 0 | / 39 | / 80 | / 0 | / |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 52 | 0 | B - C | 155 | -200 |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| B - D | 0 | 0 |

**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: Yes
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/D |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(TL): NA | | | |
| HORZ(LL): -0.000 | C | - | - |
| HORZ(TL): -0.000 | C | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.36
Max BC CSI: 0.21
Max Web CSI: 0.00

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 71 | 0.00 | 5.94 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.12 of CSA-O86-19.

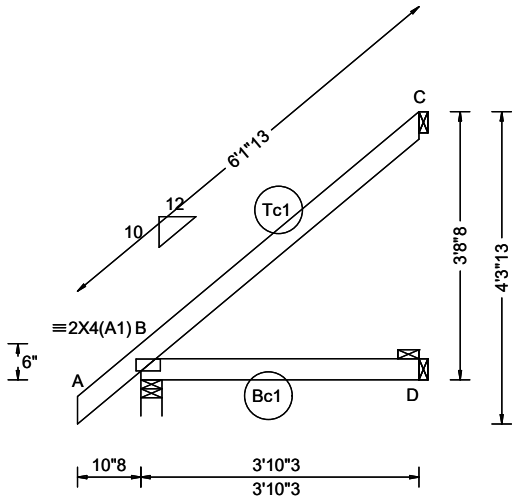
This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

Refer to Detail A107 for standard jack connection details and limitations.

R/E vertical may not be exposed to horiz. wind pressure.

Warning: Component is designed to bear at specific locations.

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T5 | Ply: 1<br>Qty: 8<br>Wgt: 15.4 lbs | SEQN: 24817 / T10 / JACK<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: Yes
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/D |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(TL): NA | | | |
| HORZ(LL): -0.000 | C | - | - |
| HORZ(TL): -0.000 | C | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.14
Max BC CSI: 0.08
Max Web CSI: 0.00

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 46 | 0.00 | 3.85 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.12 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

Refer to Detail A107 for standard jack connection details and limitations.

Warning: Component is designed to bear at specific locations.

**▲Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 3"8 | / 1"8 | / Truss |
| D | 8' | / 1"8 | / - | / - |
| C | 11'5" | / 1"8 | / - | / - |

Bearing B is a rigid surface.

**▲Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 165 | / 0 | / 44 | / 303 | / 0 | / |
| D | / 12 | / 0 | / 25 | / 49 | / 0 | / |
| C | / 91 | / 0 | / 12 | / 153 | / 0 | / |

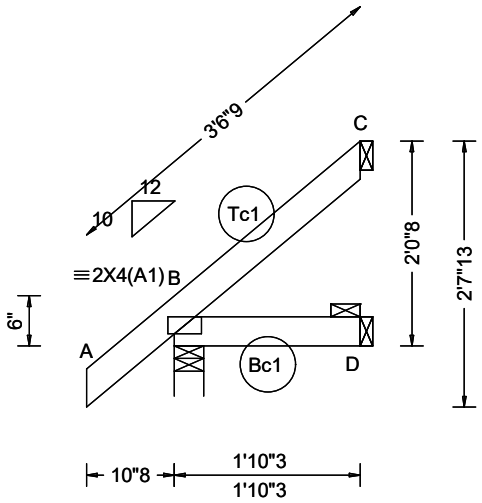
**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 52 | 0 | B - C | 101 | - 135 |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| B - D | 0 | 0 |

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T6 | Ply: 1<br>Qty: 8<br>Wgt: 8.4 lbs | SEQN: 24820 / T12 / JACK<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: Yes
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection in | | loc | L/defl | L/D |
|---|---|---|---|---|
| VERT(LL): | NA | | | |
| VERT(TL): | NA | | | |
| HORZ(LL): | -0.000 | C | - | - |
| HORZ(TL): | -0.000 | C | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.05
Max BC CSI: 0.01
Max Web CSI: 0.00

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 22 | 0.00 | 1.85 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.12 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

Refer to Detail A107 for standard jack connection details and limitations.

Warning: Component is designed to bear at specific locations.

**▲Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| B | 8' | / 3"8 | / 1"8 | / Truss |
| D | 8' | / 1"8 | / - | / - |
| C | 9'9" | / 1"8 | / - | / - |

Bearing B is a rigid surface.

**▲Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| B | / 114 | / 0 | / 24 | / 202 | / 0 | / |
| D | / 0 | / 0 | / 11 | / 16 | / 0 | / |
| C | / 40 | / 0 | / 5 | / 67 | / 0 | / |

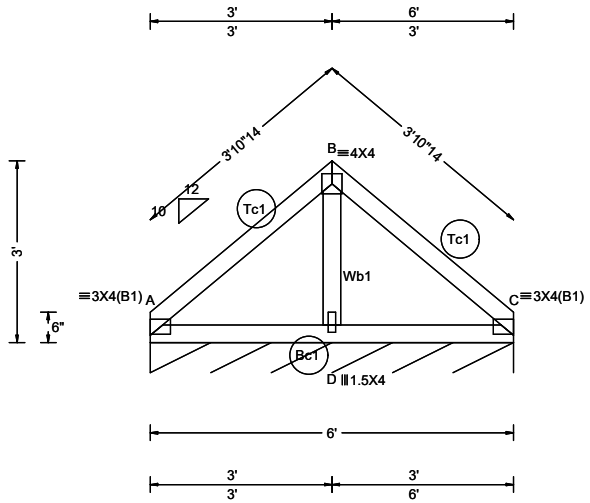
**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 52 | 0 | B - C | 46 | -71 |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| B - D | 0 | 0 |

| | | | |
|---|---|---|---|
| Q25-3597-R DP25-018 (MPS-25-083)<br>Kyle Johnson 12' x 20' H.L.<br>T7 | Ply: 1<br>Qty: 1<br>Wgt: 26.6 lbs | SEQN: 24836 / T2 / SPEC<br>FROM: | DRW:<br>... / ... 06/20/2025 |




**Conforms To:**
Bldg Code: NBCC 2020
Design Criteria: Residential
TPIC Std: TPIC 2019
CSA Std: CSA 086-19

**Ground Snow Load:** 48.03
Rain Load: 2.09
Cb: 0.55
Cs: 1.00
Cw: 1.00
If: 1.00
Slippery Roof: N/A
Wind Exposed: N/A

**Loading Criteria** (psf)
TCLL: 28.50
TCDL: 3.00
BCLL: 0.00
BCDL: 7.00

Des Ld: 38.50
Lumber Duration: 1.00
Plate Duration: 1.00
Spacing: 24.0 "
Load Sharing: Yes
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed
Plate Type:
Wave-Canada

**Wind Criteria**
q: NA
Ref Ht: NA
Calc'd Int. Press: NA

BLDG Cat: NA
Ceiling Attached: NA
TCDL: NA
BCDL: NA
Duration of Load: NA

**Defl/CSI Criteria**

| PP Deflection | in | loc | L/defl | L/D |
|---|---|---|---|---|
| VERT(LL): | 0.006 | C | 999 | 360 |
| VERT(TL): | 0.008 | C | 999 | 360 |
| HORZ(LL): | 0.002 | B | - | - |
| HORZ(TL): | 0.003 | B | - | 1.00 |

Creep Factor: 1.0
Overhang: Non-removable
Max TC CSI: 0.15
Max BC CSI: 0.04
Max Web CSI: 0.05

VIEW Ver: 24.02.01A.0307.16

**Lumber**

Top Chord: 2x4 SPF 1650Fb-1.5E;
Bot Chord: 2x4 SPF 1650Fb-1.5E;
Webs: 2x4 SPF 1650Fb-1.5E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| BC | 72 | 0.00 | 6.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Interaction equation as per Clause 6.5.12 of CSA-O86-19.

This truss design conforms to BCBC 2024, NBC-2023 Alberta Edition and OBC 2024.

**▲Bearing Locations**

| Loc | Ht | / W | / Min Req | / Ctrl |
|---|---|---|---|---|
| A | 8' | / 6' | / - | / Truss |

Bearing A is a rigid surface.

**▲Bearing Reactions (lbs)**

| Loc | / S | / L | / D | / F | / Hz | / U |
|---|---|---|---|---|---|---|
| A | / 342 | / 0 | / 120 | / 110 | / 0 | / |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 329 | 0 | B - C | 329 | 0 |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - D | 0 | - 177 | D - C | 0 | - 177 |

**Maximum Web Forces Per Ply (lbs)**

| Webs | Tens. | Comp. |
|---|---|---|
| B - D | 0 | - 593 |